

KOMMUTATIONSZAHLEN UND VERSICHERUNGSBARWERTE FÜR LEIBRENTEN 2002/2004

Tabellen zur jährlich und monatlich vorschüssigen
Zahlungsweise





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Gruppe VI A, Telefon: 06 11 / 75 - 48 66, Fax: 06 11 / 72 - 40 00 oder
E-Mail: Natuerliche-Bevoelkerungsbewegung@destatis.de

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Statistisches Bundesamt
65189 Wiesbaden

- Telefon: 06 11 / 75 - 24 05
- Telefax: 06 11 / 75 - 33 30
- E-Mail: info@destatis.de

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Erläuterungen zu den Kommutationszahlen und Versicherungsbarwerten für Leibrenten 2002/2004

1 Einführung

Periodische Zahlungen (z.B. monatlich oder jährlich), die bis zum Lebensende des Empfängers erfolgen, werden als Leibrenten bezeichnet. Davon zu unterscheiden sind Zeitrenten, die eine periodische Zahlung über einen bestimmten Zeitraum garantieren und nicht an die Lebenserwartung des Empfängers gebunden sind. Als Kalkulationsgrundlage von Leibrenten dienen Versicherungsbarwerte, die auf Grundlage der Sterblichkeitsverhältnisse einer Bevölkerung erstellt werden. Gebräuchlich sind in diesem Zusammenhang auch die Begriffe „Kapitalisierungsfaktoren“ oder „Leibrentenbarwertfaktoren“.

Ausgangspunkt für die Berechnung von Versicherungsbarwerten für Leibrenten ist die Absterbeordnung einer Sterbetafel, die der Spalte „Überlebende im Alter x“ l_x entspricht. Sie wird benötigt, um zunächst für einen Zinsfuß i so genannte Kommutationszahlen zu ermitteln (hier: D_x und N_x), die dann für die Bestimmung der Versicherungsbarwerte eingesetzt werden. Ein gebräuchlicher Versicherungsbarwert ist der Barwert \ddot{a}_x , der dem Wert einer sofort beginnenden und lebenslänglich, jährlich vorschüssig zahlbaren Leibrente vom Wert „1“ für eine x-jährige Person entspricht.

Zu beachten ist, dass die hier veröffentlichten Versicherungsbarwerte auf den gegenwärtigen Sterblichkeitsverhältnissen der Sterbetafel 2002/2004 basieren und eine mögliche Veränderung der Lebenserwartung in den kommenden Jahren dabei nicht berücksichtigt wird.

Es gilt:

x vollendetes Alter (zur Unterscheidung wird in den Tabellen das Alter des *Mannes* mit x bezeichnet, das der *Frau* mit y . Die Formeln gelten gleichermaßen für Männer und Frauen)
Hinweis: in der Leibrentenberechnung ist das *versicherungsmathematische Alter* zu verwenden, d.h. das auf ganze Jahre auf- bzw. abgerundete Alter zum Berechnungsstichtag

l_x Überlebende im Alter x (Absterbeordnung)

i Zinsfuß

ω höchstes in der Sterbetafel von den Überlebenden erreichbares Alter ($l_\omega > 0, l_{\omega+1} = 0$)
(in 2002/2004: Männer 110 Jahre und Frauen 111 Jahre)

$$v^x = \frac{1}{(1+i)^x} \quad \text{Abzinsungsfaktor}$$

$$D_x = v^x \cdot l_x \quad \text{Diskontierte Zahl der Lebenden des Alters } x$$

$$N_x = D_x + D_{x+1} + \dots + D_\omega = \sum_{a=x}^{\omega} D_a \quad \text{Erste Summe der diskontierten Zahlen der Lebenden}$$

$${}^{(m)}k = \frac{m-1}{2m} + \frac{m^2-1}{6m^2} \cdot i \cdot \left(1 - \frac{i}{2}\right) \quad \text{Reduktionsfaktor für vorschüssige unterjährig Zahlungsweise (monatlich } m=12)$$

2 Formeln für gebräuchliche Versicherungsbarwerte

2.1 Sofort beginnende lebenslängliche Leibrente

$$\ddot{a}_x = \frac{N_x}{D_x}$$

Vorschüssige Zahlung:

Barwert der sofort beginnenden und lebenslänglich, jährlich vorschüssig zahlbaren Leibrente „1“ für eine x-jährige Person

$$a_x = \frac{N_{x+1}}{D_x} = \ddot{a}_x - 1$$

Nachschüssige Zahlung:

Barwert der sofort beginnenden und lebenslänglich, jährlich nachschüssig zahlbaren Leibrente „1“ für eine x-jährige Person

$${}^{(m)}\ddot{a}_x = \ddot{a}_x - {}^{(m)}k$$

Zahlung in unterjährigen vorschüssigen Raten:

Barwert der sofort beginnenden und lebenslänglich in unterjährigen Raten von je „1/m“ vorschüssig zahlbaren Leibrente „1“ für eine x-jährige Person

$${}^{(m)}a_x = {}^{(m)}\ddot{a}_x - \frac{1}{m}$$

Zahlung in unterjährigen nachschüssigen Raten (näherungsweise):

Barwert der sofort beginnenden und lebenslänglich in unterjährigen Raten von je „1/m“ nachschüssig zahlbaren Leibrente „1“ für eine x-jährige Person

2.2 Aufgeschobene Leibrente

$${}_n|\ddot{a}_x = \frac{N_{x+n}}{D_x} = \frac{D_{x+n}}{D_x} \cdot \ddot{a}_{x+n}$$

Vorschüssige bzw. nachschüssige Zahlung:

Barwert der nach n Jahren beginnenden und lebenslänglich, jährlich vorschüssig bzw. nachschüssig zahlbaren Leibrente „1“ für eine x-jährige Person

2.3 Temporäre Leibrente

$$\ddot{a}_{x:\overline{n}|} = \frac{N_x - N_{x+n}}{D_x} = \ddot{a}_x - \frac{D_{x+n}}{D_x} \cdot \ddot{a}_{x+n}$$

Vorschüssige Zahlung:

Barwert der sofort beginnenden und n Jahre dauernden jährlich vorschüssig zahlbaren Leibrente „1“ für eine x-jährige Person

$$\ddot{a}_{x:\overline{n}|} = \ddot{a}_x - {}_n|\ddot{a}_x$$

$$a_{x:\overline{n}|} = \frac{N_{x+1} - N_{x+n+1}}{D_x} = a_x - \frac{D_{x+n}}{D_x} \cdot a_{x+n}$$

Nachschüssige Zahlung:

Barwert der sofort beginnenden und n Jahre dauernden jährlich nachschüssig zahlbaren Leibrente „1“ für eine x-jährige Person

Für eine nicht jährlich vorschüssige Zahlungsweise ist bei der aufgeschobenen und temporären Leibrente statt \ddot{a}_x : ${}^{(m)}\ddot{a}_x$ bzw. a_x : ${}^{(m)}a_x$ usw. einzusetzen.

2.4 Aufgeschobene temporäre Leibrente

$${}_{m|n}\ddot{a}_x = \frac{N_{x+m} - N_{x+m+n}}{D_x}$$

Vorschüssige Zahlung:

Barwert der nach m Jahren beginnenden und n Jahre dauernden jährlich vorschüssig zahlbaren Leibrente „1“ für eine x-jährige Person

$${}_{m|n}a_x = \frac{N_{x+m+1} - N_{x+m+n+1}}{D_x}$$

Nachschüssige Zahlung:

Barwert der nach m Jahren beginnenden und n Jahre dauernden jährlich nachschüssig zahlbaren Leibrente „1“ für eine x-jährige Person

3 Rechenbeispiele

Im Folgenden wird die Berechnung von Leibrenten anhand von Beispielen veranschaulicht. Zur Unterscheidung wird das Alter des Mannes mit x bezeichnet, das der Frau mit y. Für die Berechnungen ist das *versicherungsmathematische Alter* anzusetzen. Beträgt das Alter zum Berechnungstichtag x bzw. y Jahre und weniger als 6 Monate, dann wird das Alter auf das ganze Jahr abgerundet, ansonsten aufgerundet.

3.1 Jährlich vorschüssig zahlbare Leibrente

Ein Haus soll für 200.000 Euro verkauft werden. Die 70-jährige Eigentümerin möchte den Gegenwert als lebenslänglich, jährlich vorschüssig zahlbare Leibrente erhalten. Gefragt ist nach dem Betrag der Leibrente bei einer Verzinsung des Kaufpreises von 5%.

Der Barwert \ddot{a}_y einer sofort beginnenden und lebenslänglich, jährlich vorschüssig zahlbaren Leibrente vom Betrag 1 beträgt für 70-jährige Frauen bei einem Zinsfuß von 5% 10,853.

Es gilt:

$$\text{Rentenbetrag} = \frac{\text{Kaufpreis}}{\ddot{a}_y}$$

Demnach beläuft sich die jährlich vorschüssig zahlbare Leibrente auf 18.428,08 Euro:

$$\text{Rentenbetrag} = \frac{200.000}{10,853} = 18.428,08$$

3.2 Monatlich vorschüssig zahlbare Leibrente

Die 70-jährige Eigentümerin überlegt, in ein privates Seniorenheim zu ziehen, in dem sie jedoch monatlich für Unterkunft und Pflege aufzukommen hat. Aus diesem Grund möchte sie den Rentenbetrag nicht jährlich, sondern monatlich vorschüssig erhalten.

Der Barwert der sofort beginnenden und lebenslänglich, in unterjährigen (hier: monatlichen) Raten von je $1/m$ (hier: $1/12$) vorschüssig zahlbaren Leibrente vom Betrag 1 errechnet sich nach der Formel:

$${}^{(m)}\ddot{a}_y = \ddot{a}_y - {}^{(m)}k \quad \text{mit} \quad {}^{(m)}k = \frac{m-1}{2m} + \frac{m^2-1}{6m^2} \cdot i \cdot \left(1 - \frac{i}{2}\right) \quad (\text{bei } i=5\% \text{ und } m=12: {}^{(m)}k=0,4664)$$

Mit dem Barwert von 10,853 einer sofort beginnenden und lebenslänglich, jährlich vorschüssig zahlbaren Leibrente vom Betrag 1 für 70-jährige Frauen bei einem Zinsfuß von 5% ergibt sich:

$$\ddot{a}_{70}^{(12)} = 10,853 - 0,4664 = 10,387$$

Wird wieder der Kaufpreis von 200.000 Euro zugrunde gelegt, dann beläuft sich die monatlich vorschüssig zahlbare Leibrente auf 1604,57 Euro:

$$\text{Rentenbetrag} = \frac{\text{Kaufpreis}}{{}^{(m)}\ddot{a}_y \cdot m} = \frac{200.000}{10,387 \cdot 12} = 1604,57$$

3.3 Aufgeschobene Leibrente

Da die 70-jährige Eigentümerin bis zum Alter von 75 Jahren noch genügend Einkünfte bezieht, möchte sie gerne wissen, wie hoch die jährlich vorschüssig zahlbare Leibrente ausfallen würde, wenn diese erst nach 5 Jahren beginnt.

Die Formel für den Barwert der nach n Jahren beginnenden und lebenslänglich, jährlich vorschüssig zahlbaren Leibrente vom Betrag 1 für eine y -jährige Frau lautet:

$${}_n|\ddot{a}_y = \frac{D_{y+n}}{D_y} \cdot \ddot{a}_{y+n} \quad \text{bzw.} \quad {}_n|\ddot{a}_y = \frac{N_{y+n}}{D_y}$$

Damit ergibt sich für eine 70-jährige Frau bei einer Verzinsung von 5% und einer nach $n=5$ Jahren beginnenden Zahlung ein Barwert von 6,445:

$${}_5\ddot{a}_{70} = \frac{2018,899}{2826,290} \cdot 9,022 = 6,445$$

Folglich beträgt bei einem Kaufpreis von 200.000 Euro die um 5 Jahre aufgeschobene, jährlich vorschüssig zahlbare Leibrente 31.031,81 Euro:

$$\text{Rentenbetrag} = \frac{200.000}{6,445} = 31.031,81$$

3.4 Temporäre Leibrente

Bevor sich die 70-jährige Eigentümerin für einen Leibrentenvertrag entscheidet, möchte sie noch erfahren, welche Leibrente sie bei einer auf 20 Jahren begrenzten Laufzeit erhalten würde.

Der Barwert der sofort beginnenden und n Jahre dauernden, jährlich vorschüssig zahlbaren Leibrente vom Betrag 1 für eine y-jährige Frau wird wie folgt berechnet:

$$\ddot{a}_{y:\overline{n}|} = \frac{N_y - N_{y+n}}{D_y} \quad \text{bzw.} \quad \ddot{a}_{y:\overline{n}|} = \ddot{a}_y - \frac{D_{y+n}}{D_y} \cdot \ddot{a}_{y+n}$$

Somit beträgt der Barwert für eine 70-jährige Frau bei einer Verzinsung von 5% und einer Laufzeit von 20 Jahren bei einer sofort beginnenden Zahlung:

$$\ddot{a}_{70:20} = \frac{30.674,151 - 1251,577}{2826,290} = 10,410$$

Bei einem Kaufpreis von 200.000 Euro ergibt sich für die 70-jährige Eigentümerin eine jährlich vorschüssig zahlbare Leibrente von 19.212,30 Euro bis zum Alter von 90 Jahren:

$$\text{Rentenbetrag} = \frac{200.000}{10,410} = 19.212,30$$

3.5 Kaufpreis einer Leibrente

Die 70-jährige Eigentümerin würde gerne eine höhere Leibrente beziehen und überlegt, welchen Betrag sie dafür heute aufbringen muss. Um den Kaufpreis einer Leibrente zu berechnen, ist lediglich eine Umformung der Rentenbetragsformel notwendig:

$$\text{Kaufpreis} = \text{Rentenbetrag} \cdot \ddot{a}_y$$

Die 70-jährige Eigentümerin möchte eine jährlich vorschüssig zahlbare Leibrente von 24.000 Euro erhalten. Bei einem Kaufpreis von 200.000 Euro wären es derzeit jedoch nur 18.428,08 Euro (siehe 3.1). Mit dem Barwert von 10,853 einer sofort beginnenden und lebenslänglich, jährlich vorschüssig zahlbaren Leibrente vom Betrag 1 für 70-jährige Frauen (Verzinsung 5%) müsste sie also 260.472 Euro aufbringen.

$$\text{Kaufpreis} = 24.000 \cdot 10,853 = 260.472$$

Um eine monatlich vorschüssig zahlbare Leibrente von 2000 Euro zu erhalten, wären hingegen 249.288 Euro notwendig:

$$\text{Kaufpreis} = \text{Rentenbetrag} \cdot {}^{(m)}\ddot{a}_y \cdot m$$

$$\text{Kaufpreis} = 2000 \cdot 10,387 \cdot 12 = 249.288$$

3.6 Leibrente auf das Leben zweier Personen

Neben der Leibrente für eine einzelne Person kann eine Leibrente auch auf das Leben zweier Personen abgeschlossen werden. Diese Art der Leibrente wird als Verbindungsrente oder als Leibrente auf verbundene Leben bezeichnet. In dieser Veröffentlichung wird der häufigste Fall, die Verbindungsrente für einen Mann und eine Frau bis zum Tod der letztversterbenden Person, betrachtet (*Verbindungsrente auf das längere Leben*).

Für die Berechnung der Verbindungsrenten wird ergänzend folgende Symbolik verwendet:

x Alter des Mannes

y Alter der Frau

l_{xy} Überlebende (kombinierte Absterbeordnung für Männer und Frauen)

$D_{xy} = v^x \cdot l_{xy}$ Diskontierte Zahl der Lebenden

$N_{xy} = D_{xy} + D_{xy+1} + \dots + D_{\omega} = \sum_{a=xy}^{\omega} D_a$ Erste Summe der diskontierten Zahlen der Lebenden

\ddot{a}_{xy} Barwert der sofort beginnenden und lebenslänglich, jährlich vorschüssig zahlbaren Verbindungsrente „1“ auf das *kürzere Leben*

F_x Höhe des Übergangs der Leibrente an den Mann

F_y Höhe des Übergangs der Leibrente an die Frau

$F_{xy} = (F_x + F_y) - 1$

Zur Bestimmung des Altersunterschiedes der beiden Personen ist immer zuerst das versicherungsmathematische Alter zu berechnen und dann erst die Differenz zu bilden.

Beispiel:

Ein Mann und eine Frau möchten zusammen eine monatlich vorschüssig zahlbare Leibrente von 2000 Euro erhalten. Für den Todesfall eines Partners wird die folgende Regelung getroffen. Verstirbt der Mann zuerst, dann sollen 70% der Leibrente an die Frau weitergezahlt werden. Verstirbt die Frau zuerst, dann soll der Mann die volle Höhe der Leibrente weiter erhalten. Zum Berechnungszeitpunkt hat der Mann das versicherungsmathematische Alter von 55 Jahren und die Frau von 50 Jahren erreicht.

Die Höhe des Übergangs der Leibrente ist deswegen wie folgt festzusetzen:

$F_x = 1,000$ (also 100%)

$F_y = 0,700$ (also 70%)

$F_{xy} = (1,000 + 0,700) - 1 = 0,700$

Der Kaufpreis der monatlich vorschüssig zahlbaren Verbindungsrente auf das längere Leben errechnet sich nach folgender Formel:

$$\text{Kaufpreis} = \text{Rentenbetrag} \cdot m \cdot (F_x \cdot {}^{(12)}\ddot{a}_x + F_y \cdot {}^{(12)}\ddot{a}_y - F_{xy} \cdot {}^{(12)}\ddot{a}_{xy})$$

Hierbei wird der Faktor für die Leibrente des Mannes (Barwert multipliziert mit der Höhe des Übergangs) plus dem Faktor für die Leibrente der Frau abzüglich des Faktors für die *Verbindungsrente auf das kürzere Leben* mit dem Rentenbetrag und den Raten (hier: monatlich) multipliziert.

Bei einem Zinsfuß 5% ergibt sich ein Kaufpreis von 375.182,40 Euro:

$$375.182,40 = 2000 \cdot 12 \cdot (1.000 \cdot 13,366 + 0,700 \cdot 15,828 - 0,700 \cdot 12,590)$$

Sollte jedoch eine jährlich vorschüssige Leibrentenzahlung von 24.000 Euro erfolgen, dann würde sich der Kaufpreis auf 386.407,20 Euro erhöhen:

$$386.407,20 = 24.000 \cdot (1.000 \cdot 13,833 + 0,700 \cdot 16,295 - 0,700 \cdot 13,056)$$

Der Mann hat durch seine frühzeitig verstorbene Großmutter ein Haus im Wert von 200.000 Euro geerbt, welches für die monatlich vorschüssige Leibrente eingesetzt werden soll. Wird die obige Formel nach dem Rentenbetrag umgeformt (siehe auch 3.1), dann ergibt sich für die beiden eine monatlich vorschüssig zahlbare Leibrente von 1066,15 Euro (jährlich vorschüssig würde die Leibrente 12.422,13 Euro betragen).

Anmerkung: Ein häufiger Anwendungsfall ist die Verbindungsrente, die bis zum Tod der letztversterbenden Person in voller Höhe weitergezahlt wird. Die Höhe des Übergangs der Leibrente nimmt somit für F_x , F_y und F_{xy} den Wert 1 an, so dass die Berechnung sich vereinfacht:

$$\text{Kaufpreis} = \text{Rentenbetrag} \cdot m \cdot ({}^{(12)}\ddot{a}_x + {}^{(12)}\ddot{a}_y - {}^{(12)}\ddot{a}_{xy}) \text{ bei monatlich vorschüssiger Zahlungsweise}$$

$$\text{Kaufpreis} = \text{Rentenbetrag} \cdot (\ddot{a}_x + \ddot{a}_y - \ddot{a}_{xy}) \text{ bei jährlich vorschüssiger Zahlungsweise}$$

Beträgt der Übergang der Leibrente $F_{xy} = 0$ (beispielsweise wenn die Partner im jeweiligen Todesfall 50% der Leibrente weiter erhalten würden oder der eine Partner 75% und der andere 25%), dann vereinfacht sich die Berechnung ebenfalls. In diesem Fall wäre die Berechnung dieselbe, als wenn beide Partner in Höhe des Übergangs eine eigene Leibrente erhalten würden.

Weitere Beispiele und rechtliche Hintergründe zu den Verbindungsrenten können der entsprechenden Fachliteratur entnommen werden (siehe Literaturhinweise).

4 Schlussbemerkung

Der Zusammenhang zwischen dem Alter bzw. der durchschnittlichen Lebenserwartung, dem Zinsfuß und dem Versicherungsbarwert lässt sich einfach zusammenfassen. Je höher das Alter (die fernere durchschnittliche Lebenserwartung sinkt also) und je höher der Zinsfuß ist, desto niedriger fällt der Versicherungsbarwert aus und desto höher ist die Leibrente, die sich aus dem eingesetzten Kapital ergibt. Weil Frauen eine höhere durchschnittliche Lebenserwartung als Männer haben, erhalten Frauen im gleichen Alter wie Männer eine niedrigere Leibrente.

Leibrenten sind ein Risikogeschäft - sowohl für den Empfänger als auch für den Anbieter. Für die Festlegung der verschiedenen Modalitäten einer Leibrente (z.B. Wertsicherungsklauseln oder Einbezug eines Wohnrechts) sollte ein Fachmann herangezogen werden.

5 Anhang

Reduktionsfaktor für vorschüssige monatliche Zahlungsweise

Zinsfuß i (in %)	$^{(m)}k$	Zinsfuß i (in %)	$^{(m)}k$
1,00	0,45998	6,50	0,46874
1,25	0,46039	6,75	0,46913
1,50	0,46080	7,00	0,46951
1,75	0,46120	7,25	0,46990
2,00	0,46161	7,50	0,47028
2,25	0,46202	7,75	0,47066
2,50	0,46242	8,00	0,47104
2,75	0,46282	8,25	0,47142
3,00	0,46322	8,50	0,47180
3,25	0,46362	8,75	0,47218
3,50	0,46402	9,00	0,47256
3,75	0,46442	9,25	0,47293
4,00	0,46482	9,50	0,47331
4,25	0,46522	9,75	0,47368
4,50	0,46561	10,00	0,47406
4,75	0,46601	10,25	0,47443
5,00	0,46640	10,50	0,47480
5,25	0,46679	10,75	0,47517
5,50	0,46719	11,00	0,47554
5,75	0,46758	11,25	0,47591
6,00	0,46797	11,50	0,47627
6,25	0,46835	11,75	0,47664
		12,00	0,47700

6 Literaturhinweise

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Statistisches Bundesamt 2006



Sterbetafel 2002/2004

Sterbetafel 2002/2004

Deutschland

Männlich

Vollendetes Alter	Sterbewahrscheinlichkeit vom Alter x bis x+1	Überlebens-	Überlebende im Alter x	Gestorbene im Alter x bis unter x+1	Von den Überlebenden im Alter x		Durchschnittliche Lebenserwartung im Alter x in Jahren
					bis zum Alter x+1 durchlebte	insgesamt noch zu durchlebende	
x	q _x	p _x	l _x	d _x	L _x	e _x l _x	e _x
0	0,00456230	0,99543770	100 000	456	99 617	7 589 431	75,89
1	0,00040399	0,99959601	99 544	40	99 524	7 489 814	75,24
2	0,00020133	0,99979867	99 504	20	99 494	7 390 290	74,27
3	0,00018242	0,99981758	99 484	18	99 474	7 290 797	73,29
4	0,00013410	0,99986590	99 465	13	99 459	7 191 323	72,30
5	0,00013694	0,99986306	99 452	14	99 445	7 091 864	71,31
6	0,00011655	0,99988345	99 438	12	99 433	6 992 419	70,32
7	0,00012348	0,99987652	99 427	12	99 421	6 892 986	69,33
8	0,00011890	0,99988110	99 415	12	99 409	6 793 565	68,34
9	0,00009358	0,99990642	99 403	9	99 398	6 694 157	67,34
10	0,00009397	0,99990603	99 393	9	99 389	6 594 759	66,35
11	0,00014447	0,99985553	99 384	14	99 377	6 495 370	65,36
12	0,00013059	0,99986941	99 370	13	99 363	6 395 993	64,37
13	0,00012966	0,99987034	99 357	13	99 350	6 296 630	63,37
14	0,00018449	0,99981551	99 344	18	99 335	6 197 279	62,38
15	0,00023589	0,99976411	99 326	23	99 314	6 097 945	61,39
16	0,00038302	0,99961698	99 302	38	99 283	5 998 631	60,41
17	0,00050686	0,99949314	99 264	50	99 239	5 899 348	59,43
18	0,00075850	0,99924150	99 214	75	99 176	5 800 109	58,46
19	0,00080541	0,99919459	99 139	80	99 099	5 700 933	57,50
20	0,00076026	0,99923974	99 059	75	99 021	5 601 834	56,55
21	0,00078409	0,99921591	98 983	78	98 945	5 502 813	55,59
22	0,00075396	0,99924604	98 906	75	98 868	5 403 869	54,64
23	0,00074121	0,99925879	98 831	73	98 795	5 305 000	53,68
24	0,00072558	0,99927442	98 758	72	98 722	5 206 206	52,72
25	0,00073146	0,99926854	98 686	72	98 650	5 107 483	51,75
26	0,00071517	0,99928483	98 614	71	98 579	5 008 833	50,79
27	0,00071515	0,99928485	98 544	70	98 508	4 910 254	49,83
28	0,00073504	0,99926496	98 473	72	98 437	4 811 746	48,86
29	0,00070334	0,99929666	98 401	69	98 366	4 713 309	47,90
30	0,00073056	0,99926944	98 331	72	98 296	4 614 943	46,93
31	0,00078968	0,99921032	98 260	78	98 221	4 516 648	45,97
32	0,00081925	0,99918075	98 182	80	98 142	4 418 427	45,00
33	0,00087721	0,99912279	98 102	86	98 059	4 320 285	44,04
34	0,00095509	0,99904491	98 016	94	97 969	4 222 226	43,08
35	0,00104649	0,99895351	97 922	102	97 871	4 124 258	42,12
36	0,00112884	0,99887116	97 819	110	97 764	4 026 387	41,16
37	0,00120814	0,99879186	97 709	118	97 650	3 928 623	40,21
38	0,00137796	0,99862204	97 591	134	97 524	3 830 973	39,26
39	0,00154128	0,99845872	97 457	150	97 381	3 733 449	38,31
40	0,00172219	0,99827781	97 306	168	97 223	3 636 067	37,37
41	0,00189968	0,99810032	97 139	185	97 046	3 538 845	36,43
42	0,00220554	0,99779446	96 954	214	96 847	3 441 798	35,50
43	0,00247553	0,99752447	96 740	239	96 621	3 344 951	34,58
44	0,00268284	0,99731716	96 501	259	96 371	3 248 330	33,66
45	0,00307706	0,99692294	96 242	296	96 094	3 151 959	32,75
46	0,00339426	0,99660574	95 946	326	95 783	3 055 865	31,85
47	0,00374801	0,99625199	95 620	358	95 441	2 960 082	30,96
48	0,00408247	0,99591753	95 262	389	95 067	2 864 641	30,07
49	0,00448834	0,99551166	94 873	426	94 660	2 769 574	29,19

Sterbetafel 2002/2004

Deutschland

Männlich

Vollendetes Alter	Sterbewahrscheinlichkeit vom Alter x bis x+1	Überlebens-	Überlebende im Alter x	Gestorbene im Alter x bis unter x+1	Von den Überlebenden im Alter x		Durchschnittliche Lebenserwartung im Alter x in Jahren
					bis zum Alter x+1 durchlebte	insgesamt noch zu durchlebende	
x	q _x	p _x	l _x	d _x	L _x	e _x l _x	e _x
50	0,00495533	0,99504467	94 447	468	94 213	2 674 914	28,32
51	0,00518080	0,99481920	93 979	487	93 736	2 580 701	27,46
52	0,00586486	0,99413514	93 492	548	93 218	2 486 965	26,60
53	0,00628560	0,99371440	92 944	584	92 652	2 393 747	25,75
54	0,00679005	0,99320995	92 360	627	92 046	2 301 095	24,91
55	0,00748540	0,99251460	91 733	687	91 389	2 209 049	24,08
56	0,00783134	0,99216866	91 046	713	90 689	2 117 660	23,26
57	0,00865280	0,99134720	90 333	782	89 942	2 026 971	22,44
58	0,00953004	0,99046996	89 551	853	89 125	1 937 029	21,63
59	0,01051117	0,98948883	88 698	932	88 232	1 847 904	20,83
60	0,01125835	0,98874165	87 765	988	87 271	1 759 673	20,05
61	0,01201121	0,98798879	86 777	1 042	86 256	1 672 401	19,27
62	0,01346978	0,98653022	85 735	1 155	85 158	1 586 145	18,50
63	0,01445092	0,98554908	84 580	1 222	83 969	1 500 987	17,75
64	0,01578176	0,98421824	83 358	1 316	82 700	1 417 018	17,00
65	0,01751311	0,98248689	82 042	1 437	81 324	1 334 318	16,26
66	0,01913461	0,98086539	80 606	1 542	79 834	1 252 994	15,54
67	0,02142009	0,97857991	79 063	1 694	78 217	1 173 159	14,84
68	0,02363984	0,97636016	77 370	1 829	76 455	1 094 943	14,15
69	0,02575185	0,97424815	75 541	1 945	74 568	1 018 488	13,48
70	0,02851814	0,97148186	73 595	2 099	72 546	943 920	12,83
71	0,03149067	0,96850933	71 497	2 251	70 371	871 374	12,19
72	0,03520509	0,96479491	69 245	2 438	68 026	801 003	11,57
73	0,03878444	0,96121556	66 807	2 591	65 512	732 977	10,97
74	0,04245583	0,95754417	64 216	2 726	62 853	667 465	10,39
75	0,04623541	0,95376459	61 490	2 843	60 068	604 612	9,83
76	0,04988595	0,95011405	58 647	2 926	57 184	544 543	9,29
77	0,05473617	0,94526383	55 721	3 050	54 196	487 359	8,75
78	0,06070293	0,93929707	52 671	3 197	51 073	433 163	8,22
79	0,06659321	0,93340679	49 474	3 295	47 827	382 090	7,72
80	0,07431867	0,92568133	46 179	3 432	44 463	334 264	7,24
81	0,08210466	0,91789534	42 747	3 510	40 992	289 800	6,78
82	0,09386364	0,90613636	39 238	3 683	37 396	248 808	6,34
83	0,10189520	0,89810480	35 555	3 623	33 743	211 412	5,95
84	0,11026491	0,88973509	31 932	3 521	30 171	177 668	5,56
85	0,11620563	0,88379437	28 411	3 301	26 760	147 497	5,19
86	0,13246530	0,86753470	25 109	3 326	23 446	120 737	4,81
87	0,15017327	0,84982673	21 783	3 271	20 148	97 291	4,47
88	0,16550115	0,83449885	18 512	3 064	16 980	77 143	4,17
89	0,17979672	0,82020328	15 448	2 778	14 059	60 163	3,89
90	0,19401245	0,80598755	12 671	2 458	11 442	46 104	3,64
91	0,21270167	0,78729833	10 212	2 172	9 126	34 662	3,39
92	0,22991524	0,77008476	8 040	1 849	7 116	25 536	3,18
93	0,24766199	0,75233801	6 192	1 533	5 425	18 420	2,97
94	0,26588728	0,73411272	4 658	1 239	4 039	12 995	2,79
95	0,28453604	0,71546396	3 420	973	2 933	8 956	2,62
96	0,30355303	0,69644697	2 447	743	2 075	6 023	2,46
97	0,32288316	0,67711684	1 704	550	1 429	3 948	2,32
98	0,34247170	0,65752830	1 154	395	956	2 519	2,18
99	0,36226456	0,63773544	759	275	621	1 563	2,06
100	0,38220849	0,61779151	484	185	391	941	1,95

Hinweis: Eine neue "Allgemeine Sterbetafel" wird jeweils nach Vorliegen der Ergebnisse einer Volkszählung berechnet. Zuletzt wurde die "Allgemeine Sterbetafel 1986/88" im Statistischen Jahrbuch 1991 und in Fachserie 1, Reihe 1. S.2 veröffentlicht.

Sterbetafel 2002/2004

Deutschland

Weiblich

Vollendetes Alter	Sterbe- wahrscheinlichkeit vom Alter x bis x+1	Überlebens- wahrscheinlichkeit	Überlebende im Alter x	Gestorbene im Alter x bis unter x+1	Von den Überlebenden im Alter x		Durchschnittliche Lebenserwartung im Alter x in Jahren
					bis zum Alter x+1 durchlebte Jahre	insgesamt noch zu durchlebende	
x	q _x	p _x	l _x	d _x	L _x	e _x l _x	e _x
0	0,00379694	0,99620306	100 000	380	99 682	8 154 694	81,55
1	0,00035814	0,99964186	99 620	36	99 602	8 055 012	80,86
2	0,00019771	0,99980229	99 585	20	99 575	7 955 410	79,89
3	0,00017165	0,99982835	99 565	17	99 556	7 855 835	78,90
4	0,00012916	0,99987084	99 548	13	99 541	7 756 279	77,92
5	0,00013072	0,99986928	99 535	13	99 528	7 656 737	76,93
6	0,00009215	0,99990785	99 522	9	99 517	7 557 209	75,94
7	0,00008709	0,99991291	99 513	9	99 508	7 457 691	74,94
8	0,00009599	0,99990401	99 504	10	99 499	7 358 183	73,95
9	0,00006462	0,99993538	99 495	6	99 491	7 258 683	72,96
10	0,00008409	0,99991591	99 488	8	99 484	7 159 192	71,96
11	0,00009378	0,99990622	99 480	9	99 475	7 059 708	70,97
12	0,00008493	0,99991507	99 470	8	99 466	6 960 233	69,97
13	0,00009689	0,99990311	99 462	10	99 457	6 860 767	68,98
14	0,00011652	0,99988348	99 452	12	99 447	6 761 310	67,99
15	0,00017867	0,99982133	99 441	18	99 432	6 661 863	66,99
16	0,00021177	0,99978823	99 423	21	99 412	6 562 431	66,01
17	0,00022002	0,99977998	99 402	22	99 391	6 463 019	65,02
18	0,00028759	0,99971241	99 380	29	99 366	6 363 628	64,03
19	0,00027721	0,99972279	99 352	28	99 338	6 264 262	63,05
20	0,00031586	0,99968414	99 324	31	99 308	6 164 924	62,07
21	0,00024467	0,99975533	99 293	24	99 280	6 065 616	61,09
22	0,00027074	0,99972926	99 268	27	99 255	5 966 335	60,10
23	0,00026091	0,99973909	99 241	26	99 228	5 867 080	59,12
24	0,00027168	0,99972832	99 216	27	99 202	5 767 852	58,13
25	0,00024607	0,99975393	99 189	24	99 176	5 668 650	57,15
26	0,00027996	0,99972004	99 164	28	99 150	5 569 473	56,16
27	0,00029143	0,99970857	99 136	29	99 122	5 470 323	55,18
28	0,00029682	0,99970318	99 108	29	99 093	5 371 201	54,20
29	0,00029271	0,99970729	99 078	29	99 064	5 272 108	53,21
30	0,00032742	0,99967258	99 049	32	99 033	5 173 045	52,23
31	0,00035721	0,99964279	99 017	35	98 999	5 074 012	51,24
32	0,00035558	0,99964442	98 981	35	98 964	4 975 013	50,26
33	0,00039958	0,99960042	98 946	40	98 926	4 876 049	49,28
34	0,00046882	0,99953118	98 907	46	98 883	4 777 123	48,30
35	0,00051196	0,99948804	98 860	51	98 835	4 678 239	47,32
36	0,00056546	0,99943454	98 810	56	98 782	4 579 404	46,35
37	0,00061322	0,99938678	98 754	61	98 723	4 480 623	45,37
38	0,00069951	0,99930049	98 693	69	98 659	4 381 899	44,40
39	0,00080026	0,99919974	98 624	79	98 585	4 283 241	43,43
40	0,00086998	0,99913002	98 545	86	98 502	4 184 656	42,46
41	0,00098849	0,99901151	98 459	97	98 411	4 086 154	41,50
42	0,00112467	0,99887533	98 362	111	98 307	3 987 743	40,54
43	0,00129802	0,99870198	98 252	128	98 188	3 889 436	39,59
44	0,00139201	0,99860799	98 124	137	98 056	3 791 248	38,64
45	0,00158601	0,99841399	97 987	155	97 910	3 693 193	37,69
46	0,00179598	0,99820402	97 832	176	97 744	3 595 283	36,75
47	0,00194465	0,99805535	97 656	190	97 561	3 497 539	35,81
48	0,00211993	0,99788007	97 466	207	97 363	3 399 977	34,88
49	0,00240672	0,99759328	97 260	234	97 143	3 302 614	33,96

Sterbetafel 2002/2004

Deutschland

Weiblich

Vollendetes Alter	Sterbewahrscheinlichkeit vom Alter x bis x+1	Überlebens-	Überlebende im Alter x	Gestorbene im Alter x bis unter x+1	Von den Überlebenden im Alter x		Durchschnittliche Lebenserwartung im Alter x in Jahren
					bis zum Alter x+1 durchlebte	insgesamt noch zu durchlebende	
x	q _x	p _x	l _x	d _x	L _x	e _x l _x	e _x
50	0,00252663	0,99747337	97 026	245	96 903	3 205 472	33,04
51	0,00277724	0,99722276	96 781	269	96 646	3 108 569	32,12
52	0,00302321	0,99697679	96 512	292	96 366	3 011 922	31,21
53	0,00315754	0,99684246	96 220	304	96 068	2 915 557	30,30
54	0,00347824	0,99652176	95 916	334	95 749	2 819 488	29,40
55	0,00378686	0,99621314	95 583	362	95 402	2 723 739	28,50
56	0,00401472	0,99598528	95 221	382	95 029	2 628 338	27,60
57	0,00446309	0,99553691	94 838	423	94 627	2 533 308	26,71
58	0,00481563	0,99518437	94 415	455	94 188	2 438 681	25,83
59	0,00508378	0,99491622	93 960	478	93 722	2 344 494	24,95
60	0,00550425	0,99449575	93 483	515	93 225	2 250 772	24,08
61	0,00562735	0,99437265	92 968	523	92 707	2 157 547	23,21
62	0,00629290	0,99370710	92 445	582	92 154	2 064 840	22,34
63	0,00680184	0,99319816	91 863	625	91 551	1 972 686	21,47
64	0,00731282	0,99268718	91 238	667	90 905	1 881 135	20,62
65	0,00816737	0,99183263	90 571	740	90 201	1 790 231	19,77
66	0,00905658	0,99094342	89 831	814	89 425	1 700 029	18,92
67	0,01016499	0,98983501	89 018	905	88 565	1 610 605	18,09
68	0,01143757	0,98856243	88 113	1 008	87 609	1 522 039	17,27
69	0,01275818	0,98724182	87 105	1 111	86 550	1 434 430	16,47
70	0,01421353	0,98578647	85 994	1 222	85 383	1 347 881	15,67
71	0,01621227	0,98378773	84 772	1 374	84 084	1 262 498	14,89
72	0,01802911	0,98197089	83 397	1 504	82 645	1 178 413	14,13
73	0,02037236	0,97962764	81 894	1 668	81 060	1 095 768	13,38
74	0,02276171	0,97723829	80 225	1 826	79 312	1 014 708	12,65
75	0,02592753	0,97407247	78 399	2 033	77 383	935 396	11,93
76	0,02894834	0,97105166	76 367	2 211	75 261	858 013	11,24
77	0,03253251	0,96746749	74 156	2 412	72 950	782 752	10,56
78	0,03706211	0,96293789	71 743	2 659	70 414	709 802	9,89
79	0,04206615	0,95793385	69 084	2 906	67 631	639 388	9,26
80	0,04871436	0,95128564	66 178	3 224	64 566	571 757	8,64
81	0,05574389	0,94425611	62 954	3 509	61 200	507 190	8,06
82	0,06462412	0,93537588	59 445	3 842	57 524	445 991	7,50
83	0,07165792	0,92834208	55 604	3 984	53 611	388 466	6,99
84	0,08036154	0,91963846	51 619	4 148	49 545	334 855	6,49
85	0,08682463	0,91317537	47 471	4 122	45 410	285 310	6,01
86	0,10081441	0,89918559	43 349	4 370	41 164	239 900	5,53
87	0,11787768	0,88212232	38 979	4 595	36 682	198 736	5,10
88	0,13152703	0,86847297	34 384	4 522	32 123	162 054	4,71
89	0,14822480	0,85177520	29 862	4 426	27 649	129 931	4,35
90	0,16346191	0,83653809	25 436	4 158	23 357	102 282	4,02
91	0,18739999	0,81260001	21 278	3 987	19 284	78 925	3,71
92	0,20538996	0,79461004	17 290	3 551	15 515	59 641	3,45
93	0,22399084	0,77600916	13 739	3 077	12 200	44 127	3,21
94	0,24314056	0,75685944	10 662	2 592	9 366	31 926	2,99
95	0,26277646	0,73722354	8 069	2 120	7 009	22 561	2,80
96	0,28283557	0,71716443	5 949	1 683	5 108	15 551	2,61
97	0,30325499	0,69674501	4 266	1 294	3 619	10 444	2,45
98	0,32397218	0,67602782	2 973	963	2 491	6 824	2,30
99	0,34492526	0,65507474	2 010	693	1 663	4 333	2,16
100	0,36605334	0,63394666	1 316	482	1 075	2 670	2,03

Hinweis: Eine neue "Allgemeine Sterbetafel" wird jeweils nach Vorliegen der Ergebnisse einer Volkszählung berechnet. Zuletzt wurde die "Allgemeine Sterbetafel 1986/88" im Statistischen Jahrbuch 1991 und in Fachserie 1, Reihe 1. S.2 veröffentlicht.



**Kommutationszahlen und Versicherungsbarwerte
einer lebenslänglich, jährlich und monatlich
vorschüssig zahlbaren Rente**



Notation

x	Alter des Mannes
y	Alter der Frau
l_x bzw. l_y	Lebende gemäß Sterbetafel
D_x bzw. D_y	Diskontierte Zahl der Lebenden
N_x bzw. N_y	Erste Summe der diskontierten Zahlen der Lebenden
\ddot{a}_x bzw. \ddot{a}_y	Barwert der sofort beginnenden und lebenslänglich, <i>jährlich</i> vorschüssig zahlbaren Leibrente „1“ für einen x -jährigen Mann bzw. eine y -jährige Frau
${}^{(12)}\ddot{a}_x$ bzw. ${}^{(12)}\ddot{a}_y$	Barwert der sofort beginnenden und lebenslänglich, <i>monatlich</i> vorschüssig zahlbaren Leibrente „1“ für einen x -jährigen Mann bzw. eine y -jährige Frau

Kommunikationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Rente nach der Sterbetafel 2002/2004

Zinsfuß 1,00%

x	l _x	D _x	N _x	ä _x	⁽¹²⁾ ä _x	y	l _y	D _y	N _y	ä _y	⁽¹²⁾ ä _y
0	100.000	100.000,000	5.320.134,652	53,201	52,741	0	100.000	100.000,000	5.591.051,116	55,911	55,451
1	99.544	98.558,188	5.220.134,652	52,965	52,505	1	99.620	98.633,967	5.491.051,116	55,671	55,211
2	99.504	97.542,942	5.121.576,464	52,506	52,046	2	99.585	97.622,418	5.392.417,149	55,237	54,778
3	99.484	96.557,726	5.024.033,522	52,031	51,571	3	99.565	96.636,749	5.294.794,731	54,791	54,331
4	99.465	95.584,269	4.927.475,796	51,551	51,091	4	99.548	95.663,526	5.198.157,982	54,338	53,878
5	99.452	94.625,199	4.831.891,527	51,063	50,603	5	99.535	94.704,129	5.102.494,456	53,878	53,418
6	99.438	93.675,486	4.737.266,328	50,571	50,111	6	99.522	93.754,207	5.007.790,327	53,414	52,954
7	99.427	92.737,196	4.643.590,842	50,073	49,613	7	99.513	92.817,394	4.914.036,119	52,943	52,483
8	99.415	91.807,669	4.550.853,645	49,569	49,109	8	99.504	91.890,407	4.821.218,725	52,467	52,007
9	99.403	90.887,874	4.459.045,977	49,061	48,601	9	99.495	90.971,868	4.729.328,318	51,987	51,527
10	99.393	89.979,572	4.368.158,103	48,546	48,086	10	99.488	90.065,336	4.638.356,450	51,500	51,040
11	99.384	89.080,314	4.278.178,531	48,026	47,566	11	99.480	89.166,101	4.548.291,114	51,009	50,549
12	99.370	88.185,589	4.189.098,217	47,503	47,043	12	99.470	88.274,989	4.459.125,013	50,514	50,054
13	99.357	87.301,062	4.100.912,628	46,974	46,514	13	99.462	87.393,557	4.370.850,024	50,013	49,553
14	99.344	86.425,488	4.013.611,566	46,440	45,980	14	99.452	86.519,890	4.283.456,467	49,508	49,048
15	99.326	85.554,003	3.927.186,078	45,903	45,443	15	99.441	85.653,276	4.196.936,577	48,999	48,539
16	99.302	84.686,952	3.841.632,075	45,363	44,903	16	99.423	84.790,071	4.111.283,301	48,488	48,028
17	99.264	83.816,352	3.756.945,123	44,824	44,364	17	99.402	83.932,787	4.026.493,230	47,973	47,513
18	99.214	82.944,425	3.673.128,770	44,284	43,824	18	99.380	83.083,485	3.942.560,443	47,453	46,993
19	99.139	82.060,903	3.590.184,345	43,750	43,290	19	99.352	82.237,219	3.859.476,958	46,931	46,471
20	99.059	81.182,980	3.508.123,442	43,213	42,753	20	99.324	81.400,418	3.777.239,739	46,403	45,943
21	98.983	80.318,079	3.426.940,462	42,667	42,207	21	99.293	80.569,017	3.695.839,320	45,872	45,412
22	98.906	79.460,498	3.346.622,383	42,117	41,657	22	99.268	79.751,786	3.615.270,303	45,332	44,872
23	98.831	78.614,443	3.267.161,885	41,559	41,099	23	99.241	78.940,787	3.535.518,517	44,787	44,327
24	98.758	77.778,389	3.188.547,442	40,995	40,535	24	99.216	78.138,802	3.456.577,730	44,236	43,776
25	98.686	76.952,430	3.110.769,053	40,425	39,965	25	99.189	77.344,132	3.378.438,928	43,681	43,221
26	98.614	76.134,795	3.033.816,623	39,848	39,388	26	99.164	76.559,506	3.301.094,795	43,118	42,658
27	98.544	75.327,075	2.957.681,828	39,265	38,805	27	99.136	75.780,269	3.224.535,290	42,551	42,091
28	98.473	74.527,926	2.882.354,753	38,675	38,215	28	99.108	75.008,104	3.148.755,020	41,979	41,519
29	98.401	73.735,787	2.807.826,828	38,080	37,620	29	99.078	74.243,405	3.073.746,917	41,401	40,941
30	98.331	72.954,382	2.734.091,041	37,477	37,017	30	99.049	73.486,806	2.999.503,511	40,817	40,357
31	98.260	72.179,291	2.661.136,659	36,868	36,408	31	99.017	72.735,391	2.926.016,706	40,228	39,768
32	98.182	71.408,211	2.588.957,368	36,256	35,796	32	98.981	71.989,514	2.853.281,315	39,635	39,175
33	98.102	70.643,276	2.517.549,158	35,637	35,178	33	98.946	71.251,402	2.781.291,801	39,035	38,575
34	98.016	69.882,483	2.446.905,881	35,015	34,555	34	98.907	70.517,754	2.710.040,398	38,431	37,971
35	97.922	69.124,494	2.377.023,399	34,388	33,928	35	98.860	69.786,826	2.639.522,644	37,823	37,363
36	97.819	68.368,471	2.307.898,905	33,757	33,297	36	98.810	69.060,493	2.569.735,818	37,210	36,750
37	97.709	67.615,142	2.239.530,434	33,122	32,662	37	98.754	68.338,062	2.500.675,324	36,593	36,133
38	97.591	66.864,805	2.171.915,292	32,482	32,022	38	98.693	67.619,956	2.432.337,263	35,971	35,511
39	97.457	66.111,553	2.105.050,487	31,841	31,381	39	98.624	66.903,619	2.364.717,307	35,345	34,885
40	97.306	65.356,096	2.038.938,934	31,197	30,737	40	98.545	66.188,197	2.297.813,688	34,716	34,256
41	97.139	64.597,564	1.973.582,839	30,552	30,092	41	98.459	65.475,855	2.231.625,491	34,083	33,623
42	96.954	63.836,485	1.908.985,274	29,904	29,444	42	98.362	64.763,498	2.166.149,636	33,447	32,987
43	96.740	63.065,040	1.845.148,789	29,258	28,798	43	98.252	64.050,159	2.101.386,137	32,808	32,348
44	96.501	62.286,060	1.782.083,749	28,611	28,151	44	98.124	63.333,684	2.037.335,978	32,168	31,708
45	96.242	61.503,917	1.719.797,689	27,962	27,502	45	97.987	62.619,330	1.974.002,294	31,524	31,064
46	95.946	60.707,590	1.658.293,772	27,316	26,856	46	97.832	61.901,005	1.911.382,965	30,878	30,418
47	95.620	59.902,507	1.597.586,182	26,670	26,210	47	97.656	61.178,051	1.849.481,960	30,231	29,771
48	95.262	59.087,121	1.537.683,675	26,024	25,564	48	97.466	60.454,536	1.788.303,909	29,581	29,121
49	94.873	58.263,267	1.478.596,554	25,378	24,918	49	97.260	59.729,086	1.727.849,373	28,928	28,468

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Rente
nach der Sterbetafel 2002/2004**

Zinsfuß 1,00%

x	l _x	D _x	N _x	ä _x	⁽¹²⁾ ä _x	y	l _y	D _y	N _y	ä _y	⁽¹²⁾ ä _y
50	94.447	57.427,487	1.420.333,287	24,733	24,273	50	97.026	58.995,381	1.668.120,287	28,275	27,815
51	93.979	56.577,143	1.362.905,800	24,089	23,629	51	96.781	58.263,684	1.609.124,907	27,618	27,158
52	93.492	55.726,761	1.306.328,657	23,442	22,982	52	96.512	57.526,606	1.550.861,222	26,959	26,499
53	92.944	54.851,417	1.250.601,897	22,800	22,340	53	96.220	56.784,843	1.493.334,616	26,298	25,838
54	92.360	53.966,973	1.195.750,480	22,157	21,697	54	95.916	56.045,091	1.436.549,774	25,632	25,172
55	91.733	53.069,836	1.141.783,506	21,515	21,055	55	95.583	55.297,181	1.380.504,683	24,965	24,505
56	91.046	52.151,076	1.088.713,670	20,876	20,416	56	95.221	54.542,355	1.325.207,502	24,297	23,837
57	90.333	51.230,360	1.036.562,594	20,233	19,773	57	94.838	53.785,527	1.270.665,147	23,625	23,165
58	89.551	50.284,232	985.332,233	19,595	19,135	58	94.415	53.015,325	1.216.879,619	22,953	22,493
59	88.698	49.311,902	935.048,002	18,962	18,502	59	93.960	52.237,646	1.163.864,295	22,280	21,820
60	87.765	48.310,471	885.736,100	18,334	17,874	60	93.483	51.457,506	1.111.626,649	21,603	21,143
61	86.777	47.293,639	837.425,629	17,707	17,247	61	92.968	50.667,595	1.060.169,143	20,924	20,464
62	85.735	46.262,955	790.131,990	17,079	16,619	62	92.445	49.883,634	1.009.501,548	20,237	19,777
63	84.580	45.187,924	743.869,034	16,462	16,002	63	91.863	49.078,932	959.617,914	19,553	19,093
64	83.358	44.093,977	698.681,110	15,845	15,385	64	91.238	48.262,481	910.538,981	18,866	18,406
65	82.042	42.968,412	654.587,133	15,234	14,774	65	90.571	47.435,194	862.276,501	18,178	17,718
66	80.606	41.797,922	611.618,721	14,633	14,173	66	89.831	46.581,954	814.841,306	17,493	17,033
67	79.063	40.592,214	569.820,798	14,038	13,578	67	89.018	45.703,050	768.259,353	16,810	16,350
68	77.370	39.329,431	529.228,585	13,456	12,996	68	88.113	44.790,573	722.556,303	16,132	15,672
69	75.541	38.019,494	489.899,154	12,885	12,425	69	87.105	43.839,879	677.765,730	15,460	15,000
70	73.595	36.673,685	451.879,660	12,322	11,862	70	85.994	42.852,041	633.925,852	14,793	14,333
71	71.497	35.275,069	415.205,975	11,771	11,311	71	84.772	41.824,715	591.073,810	14,132	13,672
72	69.245	33.825,974	379.930,905	11,232	10,772	72	83.397	40.739,249	549.249,095	13,482	13,022
73	66.807	32.312,007	346.104,931	10,711	10,251	73	81.894	39.608,670	508.509,846	12,838	12,378
74	64.216	30.751,291	313.792,924	10,204	9,744	74	80.225	38.417,572	468.901,176	12,205	11,745
75	61.490	29.154,178	283.041,633	9,708	9,248	75	78.399	37.171,408	430.483,604	11,581	11,121
76	58.647	27.530,913	253.887,455	9,222	8,762	76	76.367	35.849,154	393.312,196	10,971	10,511
77	55.721	25.898,522	226.356,542	8,740	8,280	77	74.156	34.466,713	357.463,042	10,371	9,911
78	52.671	24.238,551	200.458,020	8,270	7,810	78	71.743	33.015,272	322.996,329	9,783	9,323
79	49.474	22.541,782	176.219,469	7,817	7,357	79	69.084	31.476,887	289.981,057	9,213	8,753
80	46.179	20.832,329	153.677,686	7,377	6,917	80	66.178	29.854,233	258.504,170	8,659	8,199
81	42.747	19.093,167	132.845,357	6,958	6,498	81	62.954	28.118,716	228.649,937	8,132	7,672
82	39.238	17.352,009	113.752,191	6,556	6,096	82	59.445	26.288,386	200.531,221	7,628	7,168
83	35.555	15.567,610	96.400,182	6,192	5,732	83	55.604	24.346,061	174.242,835	7,157	6,697
84	31.932	13.842,916	80.832,572	5,839	5,379	84	51.619	22.377,696	149.896,774	6,698	6,239
85	28.411	12.194,582	66.989,656	5,493	5,033	85	47.471	20.375,634	127.519,077	6,258	5,798
86	25.109	10.670,795	54.795,074	5,135	4,675	86	43.349	18.422,304	107.143,444	5,816	5,356
87	21.783	9.165,629	44.124,279	4,814	4,354	87	38.979	16.401,060	88.721,140	5,409	4,949
88	18.512	7.712,076	34.958,650	4,533	4,073	88	34.384	14.324,496	72.320,080	5,049	4,589
89	15.448	6.371,998	27.246,574	4,276	3,816	89	29.862	12.317,265	57.995,584	4,708	4,248
90	12.671	5.174,588	20.874,576	4,034	3,574	90	25.436	10.387,664	45.678,320	4,397	3,937
91	10.212	4.129,360	15.699,988	3,802	3,342	91	21.278	8.603,640	35.290,656	4,102	3,642
92	8.040	3.218,850	11.570,628	3,595	3,135	92	17.290	6.922,097	26.687,015	3,855	3,395
93	6.192	2.454,245	8.351,779	3,403	2,943	93	13.739	5.445,909	19.764,918	3,629	3,169
94	4.658	1.828,140	5.897,534	3,226	2,766	94	10.662	4.184,233	14.319,010	3,422	2,962
95	3.420	1.328,773	4.069,394	3,063	2,603	95	8.069	3.135,521	10.134,777	3,232	2,772
96	2.447	941,277	2.740,621	2,912	2,452	96	5.949	2.288,693	6.999,256	3,058	2,598
97	1.704	649,059	1.799,344	2,772	2,312	97	4.266	1.625,118	4.710,563	2,899	2,439
98	1.154	435,137	1.150,286	2,644	2,184	98	2.973	1.121,082	3.085,445	2,752	2,292
99	759	283,282	715,148	2,525	2,065	99	2.010	750,379	1.964,363	2,618	2,158
100	484	178,870	431,866	2,414	1,954	100	1316	486,687	1.213,984	2,494	2,034

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Rente
nach der Sterbetafel 2002/2004**

Zinsfuß 1,25%

x	l _x	D _x	N _x	ä _x	⁽¹²⁾ ä _x	y	l _y	D _y	N _y	ä _y	⁽¹²⁾ ä _y
0	100.000	100.000,000	4.903.585,957	49,036	48,575	0	100.000	100.000,000	5.130.062,897	51,301	50,840
1	99.544	98.314,834	4.803.585,957	48,859	48,399	1	99.620	98.390,426	5.030.062,897	51,123	50,663
2	99.504	97.061,843	4.705.271,123	48,477	48,017	2	99.585	97.140,927	4.931.672,471	50,768	50,308
3	99.484	95.844,248	4.608.209,279	48,080	47,620	3	99.565	95.922,687	4.834.531,545	50,400	49,940
4	99.465	94.643,718	4.512.365,031	47,677	47,217	4	99.548	94.722,195	4.738.608,857	50,026	49,566
5	99.452	93.462,741	4.417.721,314	47,267	46,807	5	99.535	93.540,702	4.643.886,663	49,646	49,185
6	99.438	92.296,240	4.324.258,572	46,852	46,392	6	99.522	92.373,802	4.550.345,960	49,260	48,800
7	99.427	91.146,155	4.231.962,333	46,431	45,970	7	99.513	91.224,978	4.457.972,159	48,868	48,408
8	99.415	90.009,779	4.140.816,177	46,004	45,544	8	99.504	90.090,897	4.366.747,181	48,470	48,010
9	99.403	88.887,977	4.050.806,399	45,572	45,112	9	99.495	88.970,122	4.276.656,284	48,068	47,608
10	99.393	87.782,379	3.961.918,422	45,133	44,673	10	99.488	87.866,048	4.187.686,162	47,660	47,200
11	99.384	86.690,499	3.874.136,044	44,689	44,229	11	99.480	86.773,984	4.099.820,114	47,247	46,787
12	99.370	85.607,876	3.787.445,545	44,242	43,781	12	99.470	85.694,663	4.013.046,130	46,830	46,369
13	99.357	84.539,947	3.701.837,669	43,788	43,328	13	99.462	84.629,516	3.927.351,467	46,406	45,946
14	99.344	83.485,418	3.617.297,722	43,328	42,868	14	99.452	83.576,609	3.842.721,950	45,978	45,518
15	99.326	82.439,522	3.533.812,304	42,866	42,405	15	99.441	82.535,180	3.759.145,341	45,546	45,086
16	99.302	81.402,543	3.451.372,782	42,399	41,938	16	99.423	81.501,663	3.676.610,161	45,111	44,650
17	99.264	80.366,780	3.369.970,239	41,932	41,472	17	99.402	80.478,423	3.595.108,498	44,672	44,211
18	99.214	79.334,366	3.289.603,459	41,465	41,005	18	99.380	79.467,374	3.514.630,075	44,227	43,767
19	99.139	78.295,497	3.210.269,093	41,002	40,542	19	99.352	78.463,723	3.435.162,701	43,780	43,320
20	99.059	77.266,605	3.131.973,596	40,535	40,074	20	99.324	77.473,553	3.356.698,978	43,327	42,867
21	98.983	76.254,678	3.054.706,991	40,059	39,599	21	99.293	76.492,921	3.279.225,425	42,870	42,409
22	98.906	75.254,210	2.978.452,313	39,579	39,118	22	99.268	75.530,080	3.202.732,504	42,403	41,943
23	98.831	74.269,108	2.903.198,102	39,090	38,630	23	99.241	74.577,413	3.127.202,424	41,932	41,472
24	98.758	73.297,836	2.828.928,995	38,595	38,135	24	99.216	73.637,486	3.052.625,011	41,455	40,994
25	98.686	72.340,397	2.755.631,159	38,093	37,632	25	99.189	72.708,623	2.978.987,525	40,972	40,511
26	98.614	71.395,045	2.683.290,762	37,584	37,123	26	99.164	71.793,315	2.906.278,902	40,481	40,021
27	98.544	70.463,195	2.611.895,717	37,068	36,607	27	99.136	70.887,127	2.834.485,587	39,986	39,526
28	98.473	69.543,510	2.541.432,522	36,544	36,084	28	99.108	69.991,574	2.763.598,459	39,485	39,024
29	98.401	68.634,462	2.471.889,012	36,015	35,555	29	99.078	69.106,962	2.693.606,886	38,977	38,517
30	98.331	67.739,445	2.403.254,550	35,478	35,018	30	99.049	68.233,811	2.624.499,924	38,463	38,003
31	98.260	66.854,279	2.335.515,104	34,934	34,474	31	99.017	67.369,353	2.556.266,113	37,944	37,484
32	98.182	65.976,776	2.268.660,825	34,386	33,925	32	98.981	66.513,865	2.488.896,760	37,419	36,959
33	98.102	65.108,864	2.202.684,049	33,831	33,370	33	98.946	65.669,347	2.422.382,896	36,888	36,427
34	98.016	64.248,642	2.137.575,186	33,270	32,810	34	98.907	64.832,699	2.356.713,548	36,351	35,890
35	97.922	63.394,843	2.073.326,544	32,705	32,245	35	98.860	64.002,275	2.291.880,850	35,809	35,349
36	97.819	62.546,667	2.009.931,701	32,135	31,675	36	98.810	63.179,762	2.227.878,575	35,263	34,802
37	97.709	61.704,753	1.947.385,034	31,560	31,099	37	98.754	62.364,480	2.164.698,813	34,710	34,250
38	97.591	60.869,338	1.885.680,281	30,979	30,519	38	98.693	61.556,778	2.102.334,333	34,153	33,692
39	97.457	60.035,024	1.824.810,943	30,396	29,935	39	98.624	60.754,289	2.040.777,555	33,591	33,130
40	97.306	59.202,463	1.764.775,919	29,809	29,349	40	98.545	59.956,217	1.980.023,266	33,024	32,564
41	97.139	58.370,869	1.705.573,456	29,220	28,759	41	98.459	59.164,500	1.920.067,049	32,453	31,993
42	96.954	57.540,724	1.647.202,587	28,627	28,166	42	98.362	58.376,313	1.860.902,549	31,878	31,417
43	96.740	56.705,003	1.589.661,863	28,034	27,574	43	98.252	57.590,774	1.802.526,236	31,299	30,838
44	96.501	55.866,299	1.532.956,860	27,440	26,979	44	98.124	56.805,946	1.744.935,462	30,717	30,257
45	96.242	55.028,562	1.477.090,560	26,842	26,382	45	97.987	56.026,540	1.688.129,517	30,131	29,671
46	95.946	54.181,961	1.422.061,999	26,246	25,786	46	97.832	55.247,092	1.632.102,977	29,542	29,081
47	95.620	53.331,410	1.367.880,038	25,649	25,188	47	97.656	54.467,032	1.576.855,885	28,951	28,490
48	95.262	52.475,579	1.314.548,627	25,051	24,590	48	97.466	53.689,988	1.522.388,853	28,355	27,895
49	94.873	51.616,147	1.262.073,048	24,451	23,991	49	97.260	52.914,734	1.468.698,865	27,756	27,296

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Rente
nach der Sterbetafel 2002/2004**

Zinsfuß 1,25%

x	l _x	D _x	N _x	ä _x	⁽¹²⁾ ä _x	y	l _y	D _y	N _y	ä _y	⁽¹²⁾ ä _y
50	94.447	50.750,100	1.210.456,901	23,851	23,391	50	97.026	52.135,687	1.415.784,131	27,156	26,695
51	93.979	49.875,177	1.159.706,801	23,252	22,792	51	96.781	51.361,935	1.363.648,444	26,550	26,089
52	93.492	49.004,231	1.109.831,624	22,648	22,187	52	96.512	50.586,954	1.312.286,509	25,941	25,481
53	92.944	48.115,386	1.060.827,393	22,048	21,587	53	96.220	49.811,377	1.261.699,555	25,330	24,869
54	92.360	47.222,668	1.012.712,007	21,445	20,985	54	95.916	49.041,082	1.211.888,178	24,712	24,251
55	91.733	46.322,987	965.489,338	20,843	20,382	55	95.583	48.267,166	1.162.847,096	24,092	23,631
56	91.046	45.408,633	919.166,352	20,242	19,782	56	95.221	47.490,750	1.114.579,930	23,469	23,009
57	90.333	44.496,812	873.757,719	19,636	19,176	57	94.838	46.716,136	1.067.089,180	22,842	22,382
58	89.551	43.567,200	829.260,907	19,034	18,574	58	94.415	45.933,470	1.020.373,044	22,214	21,754
59	88.698	42.619,262	785.693,707	18,435	17,975	59	93.960	45.147,922	974.439,574	21,583	21,123
60	87.765	41.650,650	743.074,445	17,841	17,380	60	93.483	44.363,852	929.291,651	20,947	20,487
61	86.777	40.673,317	701.423,795	17,245	16,785	61	92.968	43.574,975	884.927,799	20,308	19,848
62	85.735	39.688,672	660.750,478	16,648	16,188	62	92.445	42.794,828	841.352,824	19,660	19,200
63	84.580	38.670,691	621.061,806	16,060	15,600	63	91.863	42.000,518	798.557,997	19,013	18,553
64	83.358	37.641,347	582.391,115	15,472	15,012	64	91.238	41.199,839	756.557,479	18,363	17,903
65	82.042	36.589,926	544.749,769	14,888	14,428	65	90.571	40.393,632	715.357,639	17,710	17,249
66	80.606	35.505,306	508.159,843	14,312	13,852	66	89.831	39.569,108	674.964,007	17,058	16,597
67	79.063	34.395,976	472.654,536	13,742	13,281	67	89.018	38.726,664	635.394,899	16,407	15,947
68	77.370	33.243,666	438.258,560	13,183	12,723	68	88.113	37.859,761	596.668,235	15,760	15,300
69	75.541	32.057,078	405.014,894	12,634	12,174	69	87.105	36.964,679	558.808,474	15,117	14,657
70	73.595	30.845,974	372.957,817	12,091	11,631	70	85.994	36.042,545	521.843,795	14,479	14,018
71	71.497	29.596,350	342.111,843	11,559	11,099	71	84.772	35.091,608	485.801,251	13,844	13,383
72	69.245	28.310,460	312.515,493	11,039	10,578	72	83.397	34.096,487	450.709,643	13,219	12,758
73	66.807	26.976,580	284.205,033	10,535	10,075	73	81.894	33.068,403	416.613,156	12,599	12,138
74	64.216	25.610,181	257.228,453	10,044	9,584	74	80.225	31.994,786	383.544,753	11,988	11,527
75	61.490	24.220,128	231.618,271	9,563	9,103	75	78.399	30.880,524	351.549,967	11,384	10,924
76	58.647	22.815,112	207.398,143	9,090	8,630	76	76.367	29.708,512	320.669,443	10,794	10,333
77	55.721	21.409,342	184.583,031	8,622	8,161	77	74.156	28.492,345	290.960,931	10,212	9,752
78	52.671	19.987,631	163.173,690	8,164	7,703	78	71.743	27.225,104	262.468,586	9,641	9,180
79	49.474	18.542,541	143.186,059	7,722	7,262	79	69.084	25.892,429	235.243,483	9,085	8,625
80	46.179	17.094,058	124.643,517	7,292	6,831	80	66.178	24.497,021	209.351,054	8,546	8,086
81	42.747	15.628,297	107.549,459	6,882	6,421	81	62.954	23.015,965	184.854,033	8,032	7,571
82	39.238	14.168,040	91.921,162	6,488	6,028	82	59.445	21.464,657	161.838,068	7,540	7,079
83	35.555	12.679,681	77.753,122	6,132	5,672	83	55.604	19.829,652	140.373,411	7,079	6,619
84	31.932	11.247,093	65.073,441	5,786	5,325	84	51.619	18.181,432	120.543,760	6,630	6,170
85	28.411	9.883,391	53.826,348	5,446	4,986	85	47.471	16.513,920	102.362,327	6,199	5,738
86	25.109	8.627,047	43.942,956	5,094	4,633	86	43.349	14.893,931	85.848,407	5,764	5,304
87	21.783	7.391,865	35.315,909	4,778	4,317	87	38.979	13.227,070	70.954,476	5,364	4,904
88	18.512	6.204,251	27.924,044	4,501	4,040	88	34.384	11.523,846	57.727,406	5,009	4,549
89	15.448	5.113,521	21.719,793	4,248	3,787	89	29.862	9.884,591	46.203,560	4,674	4,214
90	12.671	4.142,348	16.606,272	4,009	3,549	90	25.436	8.315,506	36.318,969	4,368	3,907
91	10.212	3.297,462	12.463,924	3,780	3,319	91	21.278	6.870,358	28.003,463	4,076	3,616
92	8.040	2.564,036	9.166,462	3,575	3,115	92	17.290	5.513,929	21.133,106	3,833	3,372
93	6.192	1.950,148	6.602,425	3,386	2,925	93	13.739	4.327,331	15.619,177	3,609	3,149
94	4.658	1.449,057	4.652,277	3,211	2,750	94	10.662	3.316,591	11.291,846	3,405	2,944
95	3.420	1.050,639	3.203,220	3,049	2,588	95	8.069	2.479,203	7.975,254	3,217	2,756
96	2.447	742,414	2.152,581	2,899	2,439	96	5.949	1.805,163	5.496,051	3,045	2,584
97	1.704	510,669	1.410,167	2,761	2,301	97	4.266	1.278,616	3.690,888	2,887	2,426
98	1.154	341,513	899,499	2,634	2,173	98	2.973	879,871	2.412,272	2,742	2,281
99	759	221,782	557,985	2,516	2,056	99	2.010	587,474	1.532,402	2,608	2,148
100	484	139,692	336,203	2,407	1,946	100	1316	380,088	944,928	2,486	2,026

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Rente
nach der Sterbetafel 2002/2004**

Zinsfuß 1,50%

x	l _x	D _x	N _x	ä _x	⁽¹²⁾ ä _x	y	l _y	D _y	N _y	ä _y	⁽¹²⁾ ä _y
0	100.000	100.000,000	4.534.894,050	45,349	44,888	0	100.000	100.000,000	4.724.597,734	47,246	46,785
1	99.544	98.072,680	4.434.894,050	45,220	44,760	1	99.620	98.148,085	4.624.597,734	47,119	46,658
2	99.504	96.584,295	4.336.821,371	44,902	44,441	2	99.585	96.662,989	4.526.449,649	46,827	46,366
3	99.484	95.137,783	4.240.237,076	44,569	44,109	3	99.565	95.215,643	4.429.786,659	46,524	46,063
4	99.465	93.714,707	4.145.099,293	44,231	43,770	4	99.548	93.792,413	4.334.571,016	46,215	45,754
5	99.452	92.317,378	4.051.384,587	43,885	43,425	5	99.535	92.394,384	4.240.778,603	45,899	45,438
6	99.438	90.940,627	3.959.067,208	43,535	43,074	6	99.522	91.017,050	4.148.384,219	45,578	45,117
7	99.427	89.586,234	3.868.126,581	43,178	42,717	7	99.513	89.663,708	4.057.367,169	45,251	44,790
8	99.415	88.251,401	3.778.540,347	42,816	42,355	8	99.504	88.330,935	3.967.703,461	44,919	44,458
9	99.403	86.936,855	3.690.288,945	42,448	41,987	9	99.495	87.017,198	3.879.372,526	44,582	44,121
10	99.393	85.644,059	3.603.352,090	42,074	41,613	10	99.488	85.725,690	3.792.355,328	44,238	43,777
11	99.384	84.370,454	3.517.708,031	41,694	41,233	11	99.480	84.451,705	3.706.629,638	43,891	43,430
12	99.370	83.111,591	3.433.337,577	41,310	40,849	12	99.470	83.195,848	3.622.177,933	43,538	43,077
13	99.357	81.872,648	3.350.225,986	40,920	40,459	13	99.462	81.959,391	3.538.982,085	43,180	42,719
14	99.344	80.652,249	3.268.353,338	40,524	40,063	14	99.452	80.740,345	3.452.022,694	42,817	42,356
15	99.326	79.445,684	3.187.701,089	40,124	39,663	15	99.441	79.537,869	3.376.282,349	42,449	41,988
16	99.302	78.253,146	3.108.255,405	39,721	39,260	16	99.423	78.348,431	3.296.744,480	42,078	41,617
17	99.264	77.067,167	3.030.002,259	39,316	38,856	17	99.402	77.174,226	3.218.396,049	41,703	41,242
18	99.214	75.889,758	2.952.935,092	38,911	38,450	18	99.380	76.016,991	3.141.221,823	41,323	40,862
19	99.139	74.711,523	2.877.045,334	38,509	38,048	19	99.352	74.872,048	3.065.204,832	40,939	40,478
20	99.059	73.548,128	2.802.333,811	38,102	37,641	20	99.324	73.745,117	2.990.332,784	40,550	40,089
21	98.983	72.406,120	2.728.785,684	37,687	37,226	21	99.293	72.632,339	2.916.587,667	40,155	39,695
22	98.906	71.280,145	2.656.379,564	37,267	36,806	22	99.268	71.541,446	2.843.955,328	39,753	39,292
23	98.831	70.173,796	2.585.099,419	36,839	36,378	23	99.241	70.465,100	2.772.413,882	39,344	38,884
24	98.758	69.085,499	2.514.925,623	36,403	35,942	24	99.216	69.405,631	2.701.948,782	38,930	38,469
25	98.686	68.015,145	2.445.840,124	35,960	35,499	25	99.189	68.361,355	2.632.543,151	38,509	38,048
26	98.614	66.960,980	2.377.824,978	35,511	35,050	26	99.164	67.334,516	2.564.181,796	38,081	37,620
27	98.544	65.924,228	2.310.863,998	35,053	34,593	27	99.136	66.320,852	2.496.847,281	37,648	37,187
28	98.473	64.903,530	2.244.939,770	34,589	34,128	28	99.108	65.321,698	2.430.526,429	37,209	36,748
29	98.401	63.897,363	2.180.036,241	34,118	33,657	29	99.078	64.337,251	2.365.204,730	36,763	36,302
30	98.331	62.908,789	2.116.138,878	33,638	33,177	30	99.049	63.367,900	2.300.867,480	36,310	35,849
31	98.260	61.933,823	2.053.230,089	33,152	32,691	31	99.017	62.410,988	2.237.499,580	35,851	35,390
32	98.182	60.970,360	1.991.296,266	32,660	32,199	32	98.981	61.466,693	2.175.088,592	35,386	34,926
33	98.102	60.020,108	1.930.325,906	32,161	31,701	33	98.946	60.536,786	2.113.621,898	34,915	34,454
34	98.016	59.081,239	1.870.305,797	31,657	31,196	34	98.907	59.618,322	2.053.085,113	34,437	33,976
35	97.922	58.152,524	1.811.224,558	31,146	30,685	35	98.860	58.709,726	1.993.466,791	33,955	33,494
36	97.819	57.233,170	1.753.072,034	30,630	30,170	36	98.810	57.812,482	1.934.757,065	33,466	33,005
37	97.709	56.323,707	1.695.838,864	30,109	29,648	37	98.754	56.925,902	1.876.944,584	32,972	32,511
38	97.591	55.424,296	1.639.515,157	29,581	29,120	38	98.693	56.050,241	1.820.018,682	32,471	32,010
39	97.457	54.529,974	1.584.090,861	29,050	28,589	39	98.624	55.183,284	1.763.968,441	31,966	31,505
40	97.306	53.641,308	1.529.560,888	28,515	28,054	40	98.545	54.324,259	1.708.785,157	31,455	30,994
41	97.139	52.757,564	1.475.919,580	27,976	27,515	41	98.459	53.474,874	1.654.460,898	30,939	30,478
42	96.954	51.879,154	1.423.162,016	27,432	26,971	42	98.362	52.632,527	1.600.986,024	30,418	29,957
43	96.740	50.999,736	1.371.282,861	26,888	26,427	43	98.252	51.796,387	1.548.353,496	29,893	29,432
44	96.501	50.121,660	1.320.283,125	26,342	25,881	44	98.124	50.964,684	1.496.557,109	29,365	28,904
45	96.242	49.248,465	1.270.161,465	25,791	25,330	45	97.987	50.141,617	1.445.592,425	28,830	28,369
46	95.946	48.371,354	1.220.913,000	25,240	24,780	46	97.832	49.322,258	1.395.450,808	28,293	27,832
47	95.620	47.494,747	1.172.541,646	24,688	24,227	47	97.656	48.506,085	1.346.128,551	27,752	27,291
48	95.262	46.617,475	1.125.046,899	24,134	23,673	48	97.466	47.696,313	1.297.622,466	27,206	26,745
49	94.873	45.741,044	1.078.429,424	23,577	23,116	49	97.260	46.891,822	1.249.926,153	26,656	26,195

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Rente
nach der Sterbetafel 2002/2004**

Zinsfuß 1,50%

x	l _x	D _x	N _x	ä _x	⁽¹²⁾ ä _x	y	l _y	D _y	N _y	ä _y	⁽¹²⁾ ä _y
50	94.447	44.862,801	1.032.688,380	23,019	22,558	50	97.026	46.087,652	1.203.034,331	26,103	25,642
51	93.979	43.980,779	987.825,579	22,460	22,000	51	96.781	45.291,828	1.156.946,679	25,544	25,083
52	93.492	43.106,329	943.844,799	21,896	21,435	52	96.512	44.498,563	1.111.654,850	24,982	24,521
53	92.944	42.220,213	900.738,470	21,334	20,873	53	96.220	43.708,409	1.067.156,287	24,415	23,955
54	92.360	41.334,812	858.518,257	20,770	20,309	54	95.916	42.926,500	1.023.447,878	23,842	23,381
55	91.733	40.447,435	817.183,445	20,204	19,743	55	95.583	42.145,016	980.521,378	23,265	22,805
56	91.046	39.551,398	776.736,010	19,639	19,178	56	95.221	41.364,945	938.376,361	22,685	22,225
57	90.333	38.661,732	737.184,612	19,068	18,607	57	94.838	40.590,026	897.011,416	22,099	21,639
58	89.551	37.760,788	698.522,880	18,499	18,038	58	94.415	39.811,694	856.421,391	21,512	21,051
59	88.698	36.848,203	660.762,092	17,932	17,471	59	93.960	39.034,458	816.609,697	20,920	20,459
60	87.765	35.922,054	623.913,889	17,369	16,908	60	93.483	38.262,084	777.575,239	20,322	19,862
61	86.777	34.992,740	587.991,835	16,803	16,342	61	92.968	37.489,143	739.313,154	19,721	19,260
62	85.735	34.061,512	552.999,094	16,235	15,775	62	92.445	36.727,269	701.824,011	19,109	18,648
63	84.580	33.106,119	518.937,582	15,675	15,214	63	91.863	35.956,797	665.096,742	18,497	18,036
64	83.358	32.145,523	485.831,462	15,114	14,653	64	91.238	35.184,458	629.139,945	17,881	17,420
65	82.042	31.170,650	453.685,940	14,555	14,094	65	90.571	34.410,995	593.955,487	17,261	16,800
66	80.606	30.172,172	422.515,290	14,003	13,543	66	89.831	33.625,564	559.544,492	16,640	16,180
67	79.063	29.157,477	392.343,118	13,456	12,995	67	89.018	32.828,602	525.918,928	16,020	15,559
68	77.370	28.111,253	363.185,640	12,920	12,459	68	88.113	32.014,680	493.090,326	15,402	14,941
69	75.541	27.041,091	335.074,387	12,391	11,931	69	87.105	31.180,798	461.075,646	14,787	14,326
70	73.595	25.955,402	308.033,296	11,868	11,407	70	85.994	30.328,066	429.894,849	14,175	13,714
71	71.497	24.842,564	282.077,894	11,355	10,894	71	84.772	29.455,170	399.566,782	13,565	13,104
72	69.245	23.704,685	257.235,330	10,852	10,391	72	83.397	28.549,394	370.111,612	12,964	12,503
73	66.807	22.532,176	233.530,646	10,364	9,904	73	81.894	27.620,368	341.562,219	12,366	11,906
74	64.216	21.338,205	210.998,470	9,888	9,427	74	80.225	26.657,809	313.941,851	11,777	11,316
75	61.490	20.130,319	189.660,264	9,422	8,961	75	78.399	25.666,041	287.284,042	11,193	10,732
76	58.647	18.915,848	169.529,945	8,962	8,502	76	76.367	24.631,117	261.618,001	10,621	10,161
77	55.721	17.706,614	150.614,097	8,506	8,045	77	74.156	23.564,618	236.986,884	10,057	9,596
78	52.671	16.490,071	132.907,483	8,060	7,599	78	71.743	22.461,085	213.422,267	9,502	9,041
79	49.474	15.260,172	116.417,413	7,629	7,168	79	69.084	21.308,995	190.961,181	8,962	8,501
80	46.179	14.033,447	101.157,240	7,208	6,747	80	66.178	20.110,943	169.652,186	8,436	7,975
81	42.747	12.798,522	87.123,794	6,807	6,347	81	62.954	18.848,524	149.541,243	7,934	7,473
82	39.238	11.574,092	74.325,272	6,422	5,961	82	59.445	17.534,812	130.692,719	7,453	6,993
83	35.555	10.332,715	62.751,180	6,073	5,612	83	55.604	16.159,251	113.157,907	7,003	6,542
84	31.932	9.142,720	52.418,464	5,733	5,273	84	51.619	14.779,618	96.998,656	6,563	6,102
85	28.411	8.014,383	43.275,744	5,400	4,939	85	47.471	13.391,040	82.219,038	6,140	5,679
86	25.109	6.978,391	35.261,361	5,053	4,592	86	43.349	12.047,653	68.827,998	5,713	5,252
87	21.783	5.964,528	28.282,970	4,742	4,281	87	38.979	10.672,981	56.780,345	5,320	4,859
88	18.512	4.993,907	22.318,442	4,469	4,008	88	34.384	9.275,739	46.107,364	4,971	4,510
89	15.448	4.105,822	17.324,534	4,220	3,759	89	29.862	7.936,678	36.831,625	4,641	4,180
90	12.671	3.317,841	13.218,712	3,984	3,523	90	25.436	6.660,360	28.894,946	4,338	3,878
91	10.212	2.634,620	9.900,871	3,758	3,297	91	21.278	5.489,306	22.234,586	4,051	3,590
92	8.040	2.043,578	7.266,251	3,556	3,095	92	17.290	4.394,689	16.745,280	3,810	3,350
93	6.192	1.550,471	5.222,673	3,368	2,908	93	13.739	3.440,457	12.350,591	3,590	3,129
94	4.658	1.149,240	3.672,202	3,195	2,735	94	10.662	2.630,371	8.910,133	3,387	2,927
95	3.420	831,203	2.522,963	3,035	2,575	95	8.069	1.961,400	6.279,762	3,202	2,741
96	2.447	585,908	1.691,759	2,887	2,427	96	5.949	1.424,621	4.318,362	3,031	2,570
97	1.704	402,023	1.105,852	2,751	2,290	97	4.266	1.006,589	2.893,741	2,875	2,414
98	1.154	268,194	703,828	2,624	2,164	98	2.973	690,971	1.887,153	2,731	2,270
99	759	173,739	435,635	2,507	2,047	99	2.010	460,212	1.196,181	2,599	2,138
100	484	109,162	261,896	2,399	1,938	100	1316	297,018	735,969	2,478	2,017

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Rente
nach der Sterbetafel 2002/2004**

Zinsfuß 1,75%

x	l _x	D _x	N _x	ä _x	⁽¹²⁾ ä _x	y	l _y	D _y	N _y	ä _y	⁽¹²⁾ ä _y
0	100.000	100.000,000	4.207.586,658	42,076	41,615	0	100.000	100.000,000	4.366.813,854	43,668	43,207
1	99.544	97.831,715	4.107.586,658	41,986	41,525	1	99.620	97.906,935	4.266.813,854	43,580	43,119
2	99.504	96.110,262	4.009.754,943	41,720	41,259	2	99.585	96.188,570	4.168.906,919	43,341	42,880
3	99.484	94.438,243	3.913.644,681	41,441	40,980	3	99.565	94.515,531	4.072.718,349	43,090	42,629
4	99.465	92.797,066	3.819.206,438	41,157	40,695	4	99.548	92.874,012	3.978.202,818	42,834	42,373
5	99.452	91.188,818	3.726.409,372	40,865	40,404	5	99.535	91.264,882	3.885.328,805	42,572	42,111
6	99.438	89.608,187	3.635.220,554	40,568	40,107	6	99.522	89.683,490	3.794.063,924	42,305	41,844
7	99.427	88.056,750	3.545.612,367	40,265	39,804	7	99.513	88.132,901	3.704.380,433	42,032	41,571
8	99.415	86.531,574	3.457.555,617	39,957	39,496	8	99.504	86.609,558	3.616.247,533	41,753	41,292
9	99.403	85.033,204	3.371.024,043	39,644	39,182	9	99.495	85.111,788	3.529.637,975	41,471	41,009
10	99.393	83.562,896	3.285.990,838	39,324	38,862	10	99.488	83.642,544	3.444.526,187	41,182	40,720
11	99.384	82.117,980	3.202.427,942	38,998	38,537	11	99.480	82.197,061	3.360.883,643	40,888	40,427
12	99.370	80.693,971	3.120.309,963	38,668	38,207	12	99.470	80.775,777	3.278.686,582	40,590	40,129
13	99.357	79.295,758	3.039.615,991	38,333	37,871	13	99.462	79.379,771	3.197.910,805	40,286	39,825
14	99.344	77.921,844	2.960.320,233	37,991	37,530	14	99.452	78.006,958	3.118.531,034	39,978	39,516
15	99.326	76.567,536	2.882.398,390	37,645	37,184	15	99.441	76.656,382	3.040.524,076	39,664	39,203
16	99.302	75.232,899	2.805.830,853	37,295	36,834	16	99.423	75.324,506	2.963.867,694	39,348	38,887
17	99.264	73.910,648	2.730.597,954	36,945	36,483	17	99.402	74.013,322	2.888.543,188	39,027	38,566
18	99.214	72.602,639	2.656.687,307	36,592	36,131	18	99.380	72.724,361	2.814.529,866	38,701	38,240
19	99.139	71.299,823	2.584.084,667	36,243	35,781	19	99.352	71.453,018	2.741.805,506	38,372	37,911
20	99.059	70.017,098	2.512.784,844	35,888	35,427	20	99.324	70.204,630	2.670.352,487	38,037	37,575
21	98.983	68.760,557	2.442.767,746	35,526	35,065	21	99.293	68.975,386	2.600.147,858	37,697	37,236
22	98.906	67.524,956	2.374.007,189	35,157	34,696	22	99.268	67.772,491	2.531.172,472	37,348	36,887
23	98.831	66.313,558	2.306.482,233	34,781	34,320	23	99.241	66.588,838	2.463.399,980	36,994	36,533
24	98.758	65.124,723	2.240.168,676	34,398	33,937	24	99.216	65.426,501	2.396.811,143	36,634	36,172
25	98.686	63.958,201	2.175.043,953	34,007	33,546	25	99.189	64.283,760	2.331.384,642	36,267	35,806
26	98.614	62.812,204	2.111.085,752	33,609	33,148	26	99.164	63.162,596	2.267.100,882	35,893	35,432
27	98.544	61.687,747	2.048.273,548	33,204	32,743	27	99.136	62.058,883	2.203.938,286	35,514	35,052
28	98.473	60.583,422	1.986.585,801	32,791	32,330	28	99.108	60.973,756	2.141.879,403	35,128	34,667
29	98.401	59.497,681	1.926.002,379	32,371	31,910	29	99.078	59.907,280	2.080.905,647	34,735	34,274
30	98.331	58.433,252	1.866.504,698	31,943	31,481	30	99.049	58.859,700	2.020.998,367	34,336	33,875
31	98.260	57.386,303	1.808.071,446	31,507	31,046	31	99.017	57.828,431	1.962.138,666	33,930	33,469
32	98.182	56.354,777	1.750.685,143	31,065	30,604	32	98.981	56.813,537	1.904.310,235	33,519	33,057
33	98.102	55.340,156	1.694.330,366	30,617	30,155	33	98.946	55.816,546	1.847.496,698	33,099	32,638
34	98.016	54.340,650	1.638.990,210	30,161	29,700	34	98.907	54.834,637	1.791.680,151	32,674	32,213
35	97.922	53.355,036	1.584.649,560	29,700	29,239	35	98.860	53.866,270	1.736.845,514	32,244	31,782
36	97.819	52.382,507	1.531.294,524	29,233	28,772	36	98.810	52.912,720	1.682.979,244	31,807	31,345
37	97.709	51.423,465	1.478.912,017	28,759	28,298	37	98.754	51.973,268	1.630.066,524	31,364	30,902
38	97.591	50.477,973	1.427.488,553	28,279	27,818	38	98.693	51.048,056	1.578.093,256	30,914	30,453
39	97.457	49.541,441	1.377.010,580	27,795	27,334	39	98.624	50.134,985	1.527.045,200	30,459	29,997
40	97.306	48.614,333	1.327.469,139	27,306	26,845	40	98.545	49.233,281	1.476.910,215	29,998	29,537
41	97.139	47.695,931	1.278.854,805	26,813	26,351	41	98.459	48.344,422	1.427.676,934	29,531	29,070
42	96.954	46.786,560	1.231.158,874	26,314	25,853	42	98.362	47.465,980	1.379.332,512	29,059	28,598
43	96.740	45.880,462	1.184.372,314	25,814	25,353	43	98.252	46.597,146	1.331.866,532	28,583	28,121
44	96.501	44.979,738	1.138.491,853	25,311	24,850	44	98.124	45.736,277	1.285.269,386	28,102	27,641
45	96.242	44.087,532	1.093.512,115	24,803	24,342	45	97.987	44.887,088	1.239.533,109	27,614	27,153
46	95.946	43.195,943	1.049.424,582	24,295	23,833	46	97.832	44.045,107	1.194.646,022	27,123	26,662
47	95.620	42.308,919	1.006.228,639	23,783	23,322	47	97.656	43.209,831	1.150.600,915	26,628	26,167
48	95.262	41.425,400	963.919,720	23,269	22,808	48	97.466	42.384,081	1.107.391,084	26,128	25,666
49	94.873	40.546,715	922.494,320	22,751	22,290	49	97.260	41.566,811	1.065.007,003	25,622	25,160

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Rente
nach der Sterbetafel 2002/2004**

Zinsfuß 1,75%

x	l _x	D _x	N _x	ä _x	⁽¹²⁾ ä _x	y	l _y	D _y	N _y	ä _y	⁽¹²⁾ ä _y
50	94.447	39.670,494	881.947,605	22,232	21,771	50	97.026	40.753,583	1.023.440,192	25,113	24,652
51	93.979	38.795,001	842.277,112	21,711	21,250	51	96.781	39.951,464	982.686,608	24,597	24,136
52	93.492	37.930,233	803.482,111	21,183	20,722	52	96.512	39.155,291	942.735,145	24,077	23,616
53	92.944	37.059,240	765.551,879	20,658	20,196	53	96.220	38.365,520	903.579,854	23,552	23,091
54	92.360	36.192,925	728.492,638	20,128	19,667	54	95.916	37.586,613	865.214,334	23,019	22,558
55	91.733	35.328,917	692.299,714	19,596	19,135	55	95.583	36.811,674	827.627,720	22,483	22,022
56	91.046	34.461,391	656.970,797	19,064	18,603	56	95.221	36.041,546	790.816,047	21,942	21,481
57	90.333	33.603,452	622.509,406	18,525	18,064	57	94.838	35.279,459	754.774,500	21,394	20,933
58	89.551	32.739,743	588.905,953	17,987	17,526	58	94.415	34.517,940	719.495,041	20,844	20,383
59	88.698	31.870,006	556.166,211	17,451	16,990	59	93.960	33.760,898	684.977,102	20,289	19,828
60	87.765	30.992,644	524.296,205	16,917	16,456	60	93.483	33.011,563	651.216,203	19,727	19,266
61	86.777	30.116,676	493.303,561	16,380	15,919	61	92.968	32.265,218	618.204,640	19,160	18,699
62	85.735	29.243,183	463.186,884	15,839	15,378	62	92.445	31.531,843	585.939,423	18,582	18,121
63	84.580	28.353,104	433.943,702	15,305	14,844	63	91.863	30.794,512	554.407,580	18,003	17,542
64	83.358	27.462,777	405.590,598	14,769	14,308	64	91.238	30.059,020	523.613,068	17,419	16,958
65	82.042	26.564,487	378.127,821	14,234	13,773	65	90.571	29.325,999	493.554,048	16,830	16,369
66	80.606	25.650,379	351.563,333	13,706	13,245	66	89.831	28.586,224	464.228,049	16,240	15,778
67	79.063	24.726,849	325.912,954	13,181	12,719	67	89.018	27.840,128	435.641,825	15,648	15,187
68	77.370	23.781,030	301.186,105	12,665	12,204	68	88.113	27.083,178	407.801,697	15,057	14,596
69	75.541	22.819,509	277.405,075	12,156	11,695	69	87.105	26.312,935	380.718,520	14,469	14,008
70	73.595	21.849,498	254.585,566	11,652	11,191	70	85.994	25.530,447	354.405,585	13,882	13,420
71	71.497	20.861,318	232.736,068	11,156	10,695	71	84.772	24.734,712	328.875,137	13,296	12,835
72	69.245	19.856,886	211.874,750	10,670	10,209	72	83.397	23.915,190	304.140,425	12,717	12,256
73	66.807	18.828,326	192.017,865	10,198	9,737	73	81.894	23.080,119	280.225,235	12,141	11,680
74	64.216	17.786,811	173.189,538	9,737	9,276	74	80.225	22.221,054	257.145,116	11,572	11,111
75	61.490	16.738,729	155.402,727	9,284	8,823	75	78.399	21.341,783	234.924,062	11,008	10,547
76	58.647	15.690,228	138.663,998	8,838	8,376	76	76.367	20.430,903	213.582,279	10,454	9,993
77	55.721	14.651,112	122.973,770	8,393	7,932	77	74.156	19.498,243	193.151,376	9,906	9,445
78	52.671	13.610,974	108.322,658	7,958	7,497	78	71.743	18.539,475	173.653,133	9,367	8,905
79	49.474	12.564,863	94.711,683	7,538	7,077	79	69.084	17.545,320	155.113,658	8,841	8,380
80	46.179	11.526,416	82.146,820	7,127	6,666	80	66.178	16.518,188	137.568,338	8,328	7,867
81	42.747	10.486,279	70.620,404	6,735	6,273	81	62.954	15.443,258	121.050,151	7,838	7,377
82	39.238	9.459,760	60.134,125	6,357	5,896	82	59.445	14.331,588	105.606,893	7,369	6,908
83	35.555	8.424,406	50.674,365	6,015	5,554	83	55.604	13.174,861	91.275,305	6,928	6,467
84	31.932	7.435,872	42.249,959	5,682	5,221	84	51.619	12.020,421	78.100,444	6,497	6,036
85	28.411	6.502,168	34.814,088	5,354	4,893	85	47.471	10.864,316	66.080,023	6,082	5,621
86	25.109	5.647,744	28.311,920	5,013	4,552	86	43.349	9.750,394	55.215,708	5,663	5,202
87	21.783	4.815,345	22.664,176	4,707	4,245	87	38.979	8.616,623	45.465,314	5,276	4,815
88	18.512	4.021,827	17.848,831	4,438	3,977	88	34.384	7.470,187	36.848,692	4,933	4,472
89	15.448	3.298,487	13.827,004	4,192	3,731	89	29.862	6.376,074	29.378,505	4,608	4,146
90	12.671	2.658,899	10.528,517	3,960	3,499	90	25.436	5.337,574	23.002,431	4,310	3,848
91	10.212	2.106,181	7.869,618	3,736	3,275	91	21.278	4.388,289	17.664,857	4,025	3,564
92	8.040	1.629,674	5.763,437	3,537	3,075	92	17.290	3.504,593	13.276,568	3,788	3,327
93	6.192	1.233,402	4.133,764	3,352	2,890	93	13.739	2.736,889	9.771,974	3,570	3,109
94	4.658	911,976	2.900,361	3,180	2,719	94	10.662	2.087,323	7.035,085	3,370	2,909
95	3.420	657,978	1.988,386	3,022	2,561	95	8.069	1.552,639	4.947,762	3,187	2,725
96	2.447	462,663	1.330,407	2,876	2,414	96	5.949	1.124,955	3.395,123	3,018	2,557
97	1.704	316,679	867,744	2,740	2,279	97	4.266	792,902	2.270,167	2,863	2,402
98	1.154	210,740	551,065	2,615	2,154	98	2.973	542,949	1.477,265	2,721	2,260
99	759	136,185	340,325	2,499	2,038	99	2.010	360,736	934,316	2,590	2,129
100	484	85,356	204,140	2,392	1,930	100	1316	232,245	573,580	2,470	2,009

Kommunikationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Rente nach der Sterbetafel 2002/2004

Zinsfuß 2,00%

x	l _x	D _x	N _x	ä _x	⁽¹²⁾ ä _x						
						Männer			Frauen		
0	100.000	100.000,000	3.916.156,063	39,162	38,700	0	100.000	100.000,000	4.050.085,587	40,501	40,039
1	99.544	97.591,931	3.816.156,063	39,103	38,642	1	99.620	97.666,967	3.950.085,587	40,444	39,983
2	99.504	95.639,711	3.718.564,132	38,881	38,419	2	99.585	95.717,636	3.852.418,620	40,248	39,786
3	99.484	93.745,545	3.622.924,422	38,646	38,185	3	99.565	93.822,266	3.756.700,984	40,041	39,579
4	99.465	91.890,630	3.529.178,877	38,406	37,945	4	99.548	91.966,825	3.662.878,719	39,828	39,367
5	99.452	90.076,772	3.437.288,247	38,160	37,698	5	99.535	90.151,909	3.570.911,894	39,610	39,148
6	99.438	88.298,468	3.347.211,474	37,908	37,446	6	99.522	88.372,671	3.480.759,985	39,387	38,926
7	99.427	86.557,036	3.258.913,007	37,650	37,189	7	99.513	86.631,890	3.392.387,314	39,159	38,697
8	99.415	84.849,361	3.172.355,971	37,388	36,926	8	99.504	84.925,828	3.305.755,425	38,925	38,464
9	99.403	83.175,757	3.087.506,610	37,120	36,659	9	99.495	83.252,624	3.220.829,596	38,687	38,226
10	99.393	81.537,228	3.004.330,853	36,846	36,385	10	99.488	81.614,945	3.137.576,973	38,444	37,982
11	99.384	79.930,948	2.922.793,625	36,566	36,105	11	99.480	80.007,924	3.055.962,028	38,196	37,734
12	99.370	78.352,353	2.842.862,677	36,283	35,821	12	99.470	78.431,785	2.975.954,104	37,943	37,482
13	99.357	76.806,001	2.764.510,324	35,993	35,532	13	99.462	76.887,376	2.897.522,319	37,685	37,224
14	99.344	75.290,237	2.687.704,323	35,698	35,236	14	99.452	75.372,477	2.820.634,943	37,423	36,961
15	99.326	73.800,340	2.612.414,085	35,398	34,937	15	99.441	73.885,975	2.745.262,466	37,155	36,694
16	99.302	72.336,208	2.538.613,745	35,095	34,633	16	99.423	72.424,288	2.671.376,492	36,885	36,423
17	99.264	70.890,688	2.466.277,537	34,790	34,328	17	99.402	70.989,167	2.598.952,204	36,611	36,149
18	99.214	69.465,448	2.395.386,849	34,483	34,022	18	99.380	69.581,910	2.527.963,037	36,331	35,869
19	99.139	68.051,723	2.325.921,402	34,179	33,717	19	99.352	68.197,940	2.458.381,127	36,048	35,586
20	99.059	66.663,641	2.257.869,679	33,870	33,408	20	99.324	66.842,191	2.390.183,188	35,759	35,297
21	98.983	65.306,823	2.191.206,037	33,552	33,091	21	99.293	65.510,861	2.323.340,997	35,465	35,003
22	98.906	63.976,095	2.125.899,214	33,230	32,768	22	99.268	64.210,620	2.257.830,136	35,163	34,701
23	98.831	62.674,372	2.061.923,120	32,899	32,437	23	99.241	62.934,545	2.193.619,515	34,856	34,394
24	98.758	61.399,918	1.999.248,748	32,561	32,099	24	99.216	61.684,436	2.130.684,971	34,542	34,080
25	98.686	60.152,321	1.937.848,830	32,216	31,754	25	99.189	60.458,508	2.069.000,534	34,222	33,760
26	98.614	58.929,728	1.877.696,509	31,863	31,402	26	99.164	59.258,462	2.008.542,027	33,895	33,433
27	98.544	57.732,924	1.818.766,781	31,503	31,042	27	99.136	58.080,266	1.949.283,565	33,562	33,100
28	98.473	56.560,428	1.761.033,857	31,135	30,674	28	99.108	56.924,843	1.891.203,299	33,223	32,761
29	98.401	55.410,642	1.704.473,428	30,761	30,299	29	99.078	55.792,104	1.834.278,456	32,877	32,415
30	98.331	54.285,950	1.649.062,787	30,377	29,916	30	99.049	54.682,131	1.778.486,351	32,524	32,062
31	98.260	53.182,638	1.594.776,837	29,987	29,525	31	99.017	53.592,380	1.723.804,220	32,165	31,703
32	98.182	52.098,667	1.541.594,199	29,590	29,128	32	98.981	52.522,780	1.670.211,841	31,800	31,338
33	98.102	51.035,280	1.489.495,532	29,186	28,724	33	98.946	51.474,612	1.617.689,061	31,427	30,965
34	98.016	49.990,697	1.438.460,252	28,775	28,313	34	98.907	50.445,141	1.566.214,448	31,048	30,586
35	97.922	48.963,678	1.388.469,555	28,357	27,896	35	98.860	49.432,835	1.515.769,307	30,663	30,202
36	97.819	47.953,371	1.339.505,877	27,934	27,472	36	98.810	48.438,752	1.466.336,472	30,272	29,810
37	97.709	46.960,038	1.291.552,506	27,503	27,042	37	98.754	47.462,120	1.417.897,720	29,874	29,413
38	97.591	45.983,631	1.244.592,468	27,066	26,604	38	98.693	46.502,956	1.370.435,600	29,470	29,008
39	97.457	45.019,870	1.198.608,837	26,624	26,162	39	98.624	45.559,242	1.323.932,644	29,060	28,598
40	97.306	44.069,100	1.153.588,967	26,177	25,715	40	98.545	44.630,179	1.278.373,402	28,644	28,182
41	97.139	43.130,593	1.109.519,867	25,725	25,263	41	98.459	43.717,011	1.233.743,223	28,221	27,760
42	96.954	42.204,567	1.066.389,275	25,267	24,806	42	98.362	42.817,449	1.190.026,212	27,793	27,331
43	96.740	41.285,768	1.024.184,708	24,807	24,346	43	98.252	41.930,679	1.147.208,763	27,360	26,898
44	96.501	40.376,043	982.898,940	24,344	23,882	44	98.124	41.055,150	1.105.278,084	26,922	26,460
45	96.242	39.478,157	942.522,898	23,875	23,413	45	97.987	40.194,118	1.064.222,934	26,477	26,015
46	95.946	38.584,981	903.044,741	23,404	22,942	46	97.832	39.343,500	1.024.028,816	26,028	25,566
47	95.620	37.700,013	864.459,760	22,930	22,468	47	97.656	38.502,784	984.685,316	25,574	25,113
48	95.262	36.822,267	826.759,748	22,453	21,991	48	97.466	37.674,421	946.182,532	25,115	24,653
49	94.873	35.952,884	789.937,480	21,971	21,510	49	97.260	36.857,406	908.508,111	24,649	24,188

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Rente
nach der Sterbetafel 2002/2004**

Zinsfuß 2,00%

x	l _x	D _x	N _x	ä _x	⁽¹²⁾ ä _x	y	l _y	D _y	N _y	ä _y	⁽¹²⁾ ä _y
50	94.447	35.089,721	753.984,597	21,487	21,026	50	97.026	36.047,745	871.650,705	24,180	23,719
51	93.979	34.231,215	718.894,876	21,001	20,540	51	96.781	35.251,634	835.602,959	23,704	23,242
52	93.492	33.386,147	684.663,661	20,507	20,046	52	96.512	34.464,442	800.351,326	23,223	22,761
53	92.944	32.539,551	651.277,514	20,015	19,553	53	96.220	33.686,519	765.886,883	22,736	22,274
54	92.360	31.701,001	618.737,962	19,518	19,056	54	95.916	32.921,718	732.200,365	22,241	21,779
55	91.733	30.868,382	587.036,962	19,017	18,556	55	95.583	32.163,930	699.278,647	21,741	21,279
56	91.046	30.036,587	556.168,580	18,516	18,055	56	95.221	31.413,852	667.114,717	21,236	20,775
57	90.333	29.217,020	526.131,993	18,008	17,546	57	94.838	30.674,250	635.700,865	20,724	20,263
58	89.551	28.396,286	496.914,972	17,499	17,038	58	94.415	29.938,576	605.026,615	20,209	19,747
59	88.698	27.574,184	468.518,687	16,991	16,530	59	93.960	29.210,199	575.088,039	19,688	19,226
60	87.765	26.749,360	440.944,503	16,484	16,023	60	93.483	28.491,863	545.877,840	19,159	18,697
61	86.777	25.929,614	414.195,143	15,974	15,512	61	92.968	27.779,448	517.385,976	18,625	18,163
62	85.735	25.115,851	388.265,528	15,459	14,997	62	92.445	27.081,494	489.606,528	18,079	17,617
63	84.580	24.291,712	363.149,677	14,950	14,488	63	91.863	26.383,404	462.525,035	17,531	17,069
64	83.358	23.471,249	338.857,966	14,437	13,976	64	91.238	25.690,146	436.141,630	16,977	16,515
65	82.042	22.647,874	315.386,717	13,926	13,464	65	90.571	25.002,234	410.451,485	16,417	15,955
66	80.606	21.814,940	292.738,843	13,419	12,958	66	89.831	24.311,795	385.449,251	15,854	15,393
67	79.063	20.977,961	270.923,902	12,915	12,453	67	89.018	23.619,229	361.137,455	15,290	14,828
68	77.370	20.126,089	249.945,942	12,419	11,957	68	88.113	22.920,725	337.518,226	14,725	14,264
69	75.541	19.265,012	229.819,852	11,929	11,468	69	87.105	22.214,282	314.597,501	14,162	13,700
70	73.595	18.400,884	210.554,841	11,443	10,981	70	85.994	21.500,851	292.383,219	13,599	13,137
71	71.497	17.525,613	192.153,956	10,964	10,503	71	84.772	20.779,655	270.882,368	13,036	12,574
72	69.245	16.640,902	174.628,343	10,494	10,032	72	83.397	20.041,931	250.102,713	12,479	12,017
73	66.807	15.740,252	157.987,441	10,037	9,576	73	81.894	19.294,699	230.060,781	11,924	11,462
74	64.216	14.833,113	142.247,189	9,590	9,128	74	80.225	18.531,000	210.766,083	11,374	10,912
75	61.490	13.924,864	127.414,076	9,150	8,689	75	78.399	17.754,121	192.235,082	10,828	10,366
76	58.647	13.020,629	113.489,213	8,716	8,254	76	76.367	16.954,706	174.480,962	10,291	9,829
77	55.721	12.128,513	100.468,584	8,284	7,822	77	74.156	16.141,074	157.526,256	9,759	9,298
78	52.671	11.239,847	88.340,071	7,860	7,398	78	71.743	15.309,769	141.385,182	9,235	8,773
79	49.474	10.350,545	77.100,224	7,449	6,987	79	69.084	14.453,291	126.075,413	8,723	8,261
80	46.179	9.471,832	66.749,679	7,047	6,586	80	66.178	13.573,820	111.622,122	8,223	7,762
81	42.747	8.595,979	57.277,847	6,663	6,202	81	62.954	12.659,392	98.048,302	7,745	7,283
82	39.238	7.735,499	48.681,868	6,293	5,832	82	59.445	11.719,322	85.388,910	7,286	6,825
83	35.555	6.871,977	40.946,370	5,958	5,497	83	55.604	10.747,030	73.669,588	6,855	6,393
84	31.932	6.050,741	34.074,392	5,631	5,170	84	51.619	9.781,295	62.922,558	6,433	5,971
85	28.411	5.277,997	28.023,652	5,310	4,848	85	47.471	8.818,877	53.141,263	6,026	5,564
86	25.109	4.573,200	22.745,655	4,974	4,512	86	43.349	7.895,276	44.322,386	5,614	5,152
87	21.783	3.889,617	18.172,455	4,672	4,210	87	38.979	6.960,116	36.427,110	5,234	4,772
88	18.512	3.240,687	14.282,838	4,407	3,946	88	34.384	6.019,288	29.466,994	4,895	4,434
89	15.448	2.651,323	11.042,152	4,165	3,703	89	29.862	5.125,087	23.447,706	4,575	4,113
90	12.671	2.131,984	8.390,829	3,936	3,474	90	25.436	4.279,826	18.322,619	4,281	3,820
91	10.212	1.684,659	6.258,845	3,715	3,254	91	21.278	3.510,036	14.042,793	4,001	3,539
92	8.040	1.300,323	4.574,185	3,518	3,056	92	17.290	2.796,329	10.532,757	3,767	3,305
93	6.192	981,725	3.273,862	3,335	2,873	93	13.739	2.178,423	7.736,428	3,551	3,090
94	4.658	724,107	2.292,138	3,165	2,704	94	10.662	1.657,329	5.558,005	3,354	2,892
95	3.420	521,153	1.568,031	3,009	2,547	95	8.069	1.229,770	3.900,675	3,172	2,710
96	2.447	365,555	1.046,878	2,864	2,402	96	5.949	888,839	2.670,905	3,005	2,543
97	1.704	249,598	681,323	2,730	2,268	97	4.266	624,945	1.782,067	2,852	2,390
98	1.154	165,693	431,726	2,606	2,144	98	2.973	426,889	1.157,122	2,711	2,249
99	759	106,812	266,033	2,491	2,029	99	2.010	282,930	730,233	2,581	2,119
100	484	66,782	159,221	2,384	1,923	100	1316	181,706	447,303	2,462	2,000

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Rente
nach der Sterbetafel 2002/2004**

Zinsfuß 2,25%

x	l _x	D _x	N _x	ä _x	⁽¹²⁾ ä _x	y	l _y	D _y	N _y	ä _y	⁽¹²⁾ ä _y
0	100.000	100.000,000	3.655.905,434	36,559	36,097	0	100.000	100.000,000	3.768.802,382	37,688	37,226
1	99.544	97.353,320	3.555.905,434	36,526	36,064	1	99.620	97.428,172	3.668.802,382	37,656	37,194
2	99.504	95.172,607	3.458.552,114	36,340	35,878	2	99.585	95.250,151	3.571.374,210	37,495	37,033
3	99.484	93.059,604	3.363.379,508	36,142	35,680	3	99.565	93.135,764	3.476.124,059	37,323	36,861
4	99.465	90.995,235	3.270.319,903	35,939	35,477	4	99.548	91.070,687	3.382.988,295	37,147	36,685
5	99.452	88.980,961	3.179.324,668	35,730	35,268	5	99.535	89.055,183	3.291.917,608	36,965	36,503
6	99.438	87.011,028	3.090.343,707	35,517	35,055	6	99.522	87.084,148	3.202.862,424	36,779	36,317
7	99.427	85.086,442	3.003.332,680	35,297	34,835	7	99.513	85.160,024	3.115.778,276	36,587	36,125
8	99.415	83.203,849	2.918.246,238	35,073	34,611	8	99.504	83.278,833	3.030.618,252	36,391	35,929
9	99.403	81.363,282	2.835.042,390	34,844	34,382	9	99.495	81.438,473	2.947.339,419	36,191	35,729
10	99.393	79.565,445	2.753.679,108	34,609	34,147	10	99.488	79.641,282	2.865.900,946	35,985	35,523
11	99.384	77.807,304	2.674.113,663	34,368	33,906	11	99.480	77.882,235	2.786.259,663	35,775	35,313
12	99.370	76.084,170	2.596.306,359	34,124	33,662	12	99.470	76.161,302	2.708.377,428	35,561	35,099
13	99.357	74.400,228	2.520.222,189	33,874	33,412	13	99.462	74.479,055	2.632.216,127	35,342	34,880
14	99.344	72.753,625	2.445.821,961	33,618	33,156	14	99.452	72.833,094	2.557.737,072	35,118	34,656
15	99.326	71.139,563	2.373.068,335	33,358	32,896	15	99.441	71.222,110	2.484.903,978	34,890	34,427
16	99.302	69.557,733	2.301.928,773	33,094	32,632	16	99.423	69.642,430	2.413.681,868	34,658	34,196
17	99.264	68.001,067	2.232.371,040	32,828	32,366	17	99.402	68.095,532	2.344.039,439	34,423	33,961
18	99.214	66.471,003	2.164.369,973	32,561	32,099	18	99.380	66.582,444	2.275.943,907	34,182	33,720
19	99.139	64.959,007	2.097.898,970	32,296	31,834	19	99.352	65.098,578	2.209.361,463	33,939	33,477
20	99.059	63.478,424	2.032.939,964	32,026	31,564	20	99.324	63.648,442	2.144.262,885	33,689	33,227
21	98.983	62.034,390	1.969.461,540	31,748	31,286	21	99.293	62.228,204	2.080.614,443	33,435	32,973
22	98.906	60.621,759	1.907.427,151	31,464	31,002	22	99.268	60.843,989	2.018.386,239	33,173	32,711
23	98.831	59.243,084	1.846.805,391	31,173	30,711	23	99.241	59.489,013	1.957.542,250	32,906	32,444
24	98.758	57.896,501	1.787.562,308	30,875	30,413	24	99.216	58.164,784	1.898.053,237	32,632	32,170
25	98.686	56.581,410	1.729.665,807	30,570	30,107	25	99.189	56.869,420	1.839.888,453	32,353	31,891
26	98.614	55.295,866	1.673.084,397	30,257	29,795	26	99.164	55.604,329	1.783.019,033	32,066	31,604
27	98.544	54.040,411	1.617.788,530	29,937	29,475	27	99.136	54.365,538	1.727.414,704	31,774	31,312
28	98.473	52.813,461	1.563.748,119	29,609	29,147	28	99.108	53.153,735	1.673.049,166	31,476	31,014
29	98.401	51.613,341	1.510.934,658	29,274	28,812	29	99.078	51.968,663	1.619.895,432	31,171	30,709
30	98.331	50.442,092	1.459.321,317	28,931	28,469	30	99.049	50.810,221	1.567.926,769	30,858	30,396
31	98.260	49.296,080	1.408.879,224	28,580	28,118	31	99.017	49.675,878	1.517.116,548	30,540	30,078
32	98.182	48.173,253	1.359.583,145	28,223	27,761	32	98.981	48.565,411	1.467.440,671	30,216	29,754
33	98.102	47.074,609	1.311.409,891	27,858	27,396	33	98.946	47.479,846	1.418.875,260	29,884	29,422
34	98.016	45.998,351	1.264.335,283	27,487	27,025	34	98.907	46.416,503	1.371.395,414	29,545	29,083
35	97.922	44.943,197	1.218.336,931	27,108	26,646	35	98.860	45.373,831	1.324.978,911	29,201	28,739
36	97.819	43.908,229	1.173.393,734	26,724	26,262	36	98.810	44.352,666	1.279.605,080	28,851	28,389
37	97.709	42.893,559	1.129.485,505	26,332	25,870	37	98.754	43.352,163	1.235.252,414	28,493	28,031
38	97.591	41.899,009	1.086.591,947	25,934	25,472	38	98.693	42.372,204	1.191.900,251	28,129	27,667
39	97.457	40.920,561	1.044.692,937	25,530	25,068	39	98.624	41.410,821	1.149.528,047	27,759	27,297
40	97.306	39.958,427	1.003.772,376	25,120	24,658	40	98.545	40.467,170	1.108.117,227	27,383	26,921
41	97.139	39.011,845	963.813,949	24,706	24,244	41	98.459	39.542,263	1.067.650,057	27,000	26,538
42	96.954	38.080,914	924.802,104	24,285	23,823	42	98.362	38.633,913	1.028.107,794	26,612	26,150
43	96.740	37.160,807	886.721,191	23,862	23,400	43	98.252	37.741,284	989.473,880	26,217	25,755
44	96.501	36.253,119	849.560,384	23,434	22,972	44	98.124	36.862,880	951.732,597	25,818	25,356
45	96.242	35.360,252	813.307,265	23,001	22,539	45	97.987	36.001,532	914.869,717	25,412	24,950
46	95.946	34.475,742	777.947,014	22,565	22,103	46	97.832	35.153,480	878.868,185	25,001	24,539
47	95.620	33.602,662	743.471,272	22,125	21,663	47	97.656	34.318,186	843.714,705	24,585	24,123
48	95.262	32.740,068	709.868,610	21,682	21,220	48	97.466	33.497,750	809.396,519	24,163	23,701
49	94.873	31.888,907	677.128,542	21,234	20,772	49	97.260	32.691,185	775.898,769	23,734	23,272

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Rente
nach der Sterbetafel 2002/2004**

Zinsfuß 2,25%

x	l _x	D _x	N _x	ä _x	⁽¹²⁾ ä _x	y	l _y	D _y	N _y	ä _y	⁽¹²⁾ ä _y
50	94.447	31.047,216	645.239,636	20,783	20,321	50	97.026	31.894,872	743.207,584	23,302	22,840
51	93.979	30.213,562	614.192,420	20,328	19,866	51	96.781	31.114,216	711.312,712	22,861	22,399
52	93.492	29.395,630	583.978,858	19,866	19,404	52	96.512	30.345,040	680.198,496	22,415	21,953
53	92.944	28.580,175	554.583,228	19,404	18,942	53	96.220	29.587,581	649.853,456	21,964	21,502
54	92.360	27.775,581	526.003,053	18,938	18,476	54	95.916	28.845,141	620.265,875	21,503	21,041
55	91.733	26.979,934	498.227,473	18,467	18,005	55	95.583	28.112,284	591.420,735	21,038	20,576
56	91.046	26.188,732	471.247,538	17,994	17,532	56	95.221	27.389,562	563.308,451	20,567	20,105
57	90.333	25.411,872	445.058,806	17,514	17,052	57	94.838	26.679,316	535.918,889	20,087	19,625
58	89.551	24.637,641	419.646,934	17,033	16,571	58	94.415	25.975,788	509.239,573	19,604	19,142
59	88.698	23.865,862	395.009,293	16,551	16,089	59	93.960	25.281,857	483.263,785	19,115	18,653
60	87.765	23.095,358	371.143,431	16,070	15,608	60	93.483	24.599,833	457.981,928	18,617	18,155
61	86.777	22.332,853	348.048,073	15,585	15,123	61	92.968	23.926,092	433.382,095	18,113	17,651
62	85.735	21.579,079	325.715,219	15,094	14,632	62	92.445	23.267,923	409.456,003	17,597	17,135
63	84.580	20.819,965	304.136,140	14,608	14,146	63	91.863	22.612,715	386.188,079	17,078	16,616
64	83.358	20.067,577	283.316,175	14,118	13,656	64	91.238	21.964,701	363.575,365	16,553	16,091
65	82.042	19.316,259	263.248,599	13,628	13,166	65	90.571	21.324,281	341.610,664	16,020	15,558
66	80.606	18.560,363	243.932,340	13,143	12,681	66	89.831	20.684,711	320.286,383	15,484	15,022
67	79.063	17.804,614	225.371,977	12,658	12,196	67	89.018	20.046,336	299.601,671	14,945	14,483
68	77.370	17.039,841	207.567,363	12,181	11,719	68	88.113	19.405,932	279.555,335	14,406	13,944
69	75.541	16.270,926	190.527,522	11,710	11,248	69	87.105	18.761,834	260.149,403	13,866	13,404
70	73.595	15.503,100	174.256,595	11,240	10,778	70	85.994	18.114,882	241.387,570	13,325	12,863
71	71.497	14.729,565	158.753,495	10,778	10,316	71	84.772	17.464,455	223.272,688	12,784	12,322
72	69.245	13.951,806	144.023,930	10,323	9,861	72	83.397	16.803,244	205.808,232	12,248	11,786
73	66.807	13.164,431	130.072,124	9,881	9,419	73	81.894	16.137,209	189.004,988	11,712	11,250
74	64.216	12.375,410	116.907,693	9,447	8,985	74	80.225	15.460,593	172.867,779	11,181	10,719
75	61.490	11.589,243	104.532,283	9,020	8,558	75	78.399	14.776,218	157.407,186	10,653	10,191
76	58.647	10.810,181	92.943,040	8,598	8,136	76	76.367	14.076,389	142.630,968	10,133	9,671
77	55.721	10.044,895	82.132,859	8,177	7,715	77	74.156	13.368,118	128.554,579	9,617	9,154
78	52.671	9.286,137	72.087,965	7,763	7,301	78	71.743	12.648,625	115.186,462	9,107	8,645
79	49.474	8.530,505	62.801,827	7,362	6,900	79	69.084	11.911,825	102.537,836	8,608	8,146
80	46.179	7.787,219	54.271,322	6,969	6,507	80	66.178	11.159,648	90.626,012	8,121	7,659
81	42.747	7.049,862	46.484,103	6,594	6,132	81	62.954	10.382,409	79.466,364	7,654	7,192
82	39.238	6.328,641	39.434,241	6,231	5,769	82	59.445	9.587,924	69.083,955	7,205	6,743
83	35.555	5.608,422	33.105,601	5,903	5,441	83	55.604	8.770,966	59.496,031	6,783	6,321
84	31.932	4.926,113	27.497,179	5,582	5,120	84	51.619	7.963,283	50.725,064	6,370	5,908
85	28.411	4.286,490	22.571,066	5,266	4,804	85	47.471	7.162,192	42.761,781	5,970	5,508
86	25.109	3.705,013	18.284,576	4,935	4,473	86	43.349	6.396,418	35.599,589	5,566	5,104
87	21.783	3.143,498	14.579,563	4,638	4,176	87	38.979	5.625,004	29.203,170	5,192	4,730
88	18.512	2.612,644	11.436,065	4,377	3,915	88	34.384	4.852,755	23.578,166	4,859	4,397
89	15.448	2.132,273	8.823,420	4,138	3,676	89	29.862	4.121,747	18.725,411	4,543	4,081
90	12.671	1.710,413	6.691,148	3,912	3,450	90	25.436	3.433,547	14.603,664	4,253	3,791
91	10.212	1.348,236	4.980,735	3,694	3,232	91	21.278	2.809,089	11.170,116	3,976	3,514
92	8.040	1.038,107	3.632,499	3,499	3,037	92	17.290	2.232,436	8.361,028	3,745	3,283
93	6.192	781,839	2.594,393	3,318	2,856	93	13.739	1.734,881	6.128,592	3,533	3,071
94	4.658	575,264	1.812,554	3,151	2,689	94	10.662	1.316,659	4.393,711	3,337	2,875
95	3.420	413,015	1.237,290	2,996	2,534	95	8.069	974,597	3.077,053	3,157	2,695
96	2.447	288,995	824,275	2,852	2,390	96	5.949	702,686	2.102,455	2,992	2,530
97	1.704	196,841	535,280	2,719	2,257	97	4.266	492,852	1.399,770	2,840	2,378
98	1.154	130,351	338,439	2,596	2,134	98	2.973	335,836	906,918	2,700	2,238
99	759	83,824	208,087	2,482	2,020	99	2.010	222,038	571,082	2,572	2,110
100	484	52,281	124,264	2,377	1,915	100	1316	142,251	349,044	2,454	1,992

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Rente
nach der Sterbetafel 2002/2004**

Zinsfuß 2,50%

x	l _x	D _x	N _x	ä _x	⁽¹²⁾ ä _x	y	l _y	D _y	N _y	ä _y	⁽¹²⁾ ä _y
0	100.000	100.000,000	3.422.820,893	34,228	33,766	0	100.000	100.000,000	3.518.202,661	35,182	34,720
1	99.544	97.115,873	3.322.820,893	34,215	33,753	1	99.620	97.190,543	3.418.202,661	35,170	34,708
2	99.504	94.708,916	3.225.705,020	34,059	33,597	2	99.585	94.786,083	3.321.012,118	35,037	34,574
3	99.484	92.380,340	3.130.996,104	33,892	33,430	3	99.565	92.455,944	3.226.226,035	34,895	34,432
4	99.465	90.110,719	3.038.615,764	33,721	33,258	4	99.548	90.185,438	3.133.770,092	34,748	34,286
5	99.452	87.901,108	2.948.505,045	33,543	33,081	5	99.535	87.974,429	3.043.584,654	34,596	34,134
6	99.438	85.745,435	2.860.603,937	33,362	32,899	6	99.522	85.817,492	2.955.610,224	34,441	33,978
7	99.427	83.644,333	2.774.858,503	33,174	32,712	7	99.513	83.716,667	2.869.792,733	34,280	33,817
8	99.415	81.594,151	2.691.214,170	32,983	32,521	8	99.504	81.667,684	2.786.076,065	34,115	33,652
9	99.403	79.594,584	2.609.620,020	32,786	32,324	9	99.495	79.668,141	2.704.408,381	33,946	33,484
10	99.393	77.645,986	2.530.025,436	32,584	32,122	10	99.488	77.719,994	2.624.740,239	33,772	33,309
11	99.384	75.745,063	2.452.379,450	32,377	31,914	11	99.480	75.818,008	2.547.020,246	33,594	33,131
12	99.370	73.886,947	2.376.634,386	32,166	31,703	12	99.470	73.961,851	2.471.202,238	33,412	32,949
13	99.357	72.075,412	2.302.747,440	31,949	31,487	13	99.462	72.151,776	2.397.240,386	33,225	32,763
14	99.344	70.308,358	2.230.672,027	31,727	31,265	14	99.452	70.385,156	2.325.088,611	33,034	32,571
15	99.326	68.580,865	2.160.363,669	31,501	31,039	15	99.441	68.660,443	2.254.703,455	32,838	32,376
16	99.302	66.892,378	2.091.782,804	31,271	30,808	16	99.423	66.973,830	2.186.043,011	32,640	32,178
17	99.264	65.235,861	2.024.890,425	31,040	30,577	17	99.402	65.326,484	2.119.069,181	32,438	31,976
18	99.214	63.612,484	1.959.654,564	30,806	30,344	18	99.380	63.719,133	2.053.742,697	32,231	31,769
19	99.139	62.013,886	1.896.042,080	30,574	30,112	19	99.352	62.147,130	1.990.023,564	32,021	31,559
20	99.059	60.452,624	1.834.028,194	30,338	29,876	20	99.324	60.614,539	1.927.876,434	31,806	31,343
21	98.983	58.933,331	1.773.575,570	30,095	29,632	21	99.293	59.117,457	1.867.261,896	31,586	31,123
22	98.906	57.450,851	1.714.642,239	29,845	29,383	22	99.268	57.661,456	1.808.144,439	31,358	30,896
23	98.831	56.007,351	1.657.191,388	29,589	29,126	23	99.241	56.239,849	1.750.482,983	31,125	30,663
24	98.758	54.600,818	1.601.184,037	29,325	28,863	24	99.216	54.853,829	1.694.243,134	30,887	30,424
25	98.686	53.230,439	1.546.583,219	29,054	28,592	25	99.189	53.501,392	1.639.389,305	30,642	30,180
26	98.614	51.894,150	1.493.352,779	28,777	28,314	26	99.164	52.183,636	1.585.887,913	30,391	29,928
27	98.544	50.592,231	1.441.458,630	28,492	28,029	27	99.136	50.896,612	1.533.704,277	30,134	29,671
28	98.473	49.322,976	1.390.866,399	28,199	27,737	28	99.108	49.640,760	1.482.807,665	29,871	29,408
29	98.401	48.084,606	1.341.543,424	27,900	27,437	29	99.078	48.415,634	1.433.166,905	29,601	29,139
30	98.331	46.878,816	1.293.458,818	27,592	27,129	30	99.049	47.220,939	1.384.751,271	29,325	28,863
31	98.260	45.702,017	1.246.580,002	27,276	26,814	31	99.017	46.054,125	1.337.530,331	29,043	28,580
32	98.182	44.552,124	1.200.877,984	26,954	26,492	32	98.981	44.914,804	1.291.476,206	28,754	28,291
33	98.102	43.429,878	1.156.325,860	26,625	26,163	33	98.946	43.803,740	1.246.561,402	28,458	27,995
34	98.016	42.333,445	1.112.895,982	26,289	25,826	34	98.907	42.718,280	1.202.757,662	28,156	27,693
35	97.922	41.261,476	1.070.562,537	25,946	25,483	35	98.860	41.656,832	1.160.039,382	27,848	27,385
36	97.819	40.212,972	1.029.301,061	25,596	25,134	36	98.810	40.620,006	1.118.382,549	27,533	27,070
37	97.709	39.187,881	989.088,090	25,240	24,777	37	98.754	39.606,865	1.077.762,544	27,212	26,749
38	97.591	38.185,889	949.900,209	24,876	24,413	38	98.693	38.617,149	1.038.155,679	26,883	26,421
39	97.457	37.203,190	911.714,320	24,506	24,044	39	98.624	37.648,913	999.538,530	26,549	26,087
40	97.306	36.239,854	874.511,130	24,131	23,669	40	98.545	36.701,252	961.889,618	26,209	25,746
41	97.139	35.295,065	838.271,276	23,750	23,288	41	98.459	35.774,949	925.188,365	25,861	25,399
42	96.954	34.368,796	802.976,211	23,364	22,901	42	98.362	34.867,889	889.413,416	25,508	25,046
43	96.740	33.456,579	768.607,415	22,973	22,511	43	98.252	33.979,194	854.545,527	25,149	24,687
44	96.501	32.559,763	735.150,836	22,579	22,116	44	98.124	33.107,403	820.566,333	24,785	24,323
45	96.242	31.680,400	702.591,073	22,177	21,715	45	97.987	32.254,944	787.458,930	24,414	23,951
46	95.946	30.812,602	670.910,673	21,774	21,311	46	97.832	31.418,329	755.203,986	24,037	23,575
47	95.620	29.959,040	640.098,071	21,366	20,903	47	97.656	30.596,978	723.785,657	23,655	23,193
48	95.262	29.118,784	610.139,031	20,953	20,491	48	97.466	29.792,661	693.188,679	23,267	22,805
49	94.873	28.292,592	581.020,247	20,536	20,074	49	97.260	29.004,393	663.396,018	22,872	22,410

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Rente
nach der Sterbetafel 2002/2004**

Zinsfuß 2,50%

x	l _x	D _x	N _x	ä _x	⁽¹²⁾ ä _x	y	l _y	D _y	N _y	ä _y	⁽¹²⁾ ä _y
50	94.447	27.478,640	552.727,655	20,115	19,652	50	97.026	28.228,866	634.391,625	22,473	22,011
51	93.979	26.675,584	525.249,015	19,690	19,228	51	96.781	27.470,772	606.162,760	22,066	21,603
52	93.492	25.890,130	498.573,431	19,257	18,795	52	96.512	26.726,321	578.691,987	21,653	21,190
53	92.944	25.110,525	472.683,301	18,824	18,362	53	96.220	25.995,631	551.965,666	21,233	20,771
54	92.360	24.344,088	447.572,775	18,385	17,923	54	95.916	25.281,511	525.970,034	20,805	20,342
55	91.733	23.589,064	423.228,687	17,942	17,479	55	95.583	24.579,099	500.688,523	20,370	19,908
56	91.046	22.841,454	399.639,623	17,496	17,034	56	95.221	23.888,801	476.109,424	19,930	19,468
57	90.333	22.109,829	376.798,169	17,042	16,580	57	94.838	23.212,580	452.220,623	19,482	19,019
58	89.551	21.383,919	354.688,340	16,587	16,124	58	94.415	22.545,346	429.008,043	19,029	18,566
59	88.698	20.663,541	333.304,421	16,130	15,668	59	93.960	21.889,538	406.462,697	18,569	18,106
60	87.765	19.947,652	312.640,880	15,673	15,211	60	93.483	21.247,079	384.573,159	18,100	17,638
61	86.777	19.242,024	292.693,228	15,211	14,749	61	92.968	20.614,761	363.326,080	17,625	17,162
62	85.735	18.547,223	273.451,204	14,744	14,281	62	92.445	19.998,785	342.711,319	17,137	16,674
63	84.580	17.851,118	254.903,981	14,279	13,817	63	91.863	19.388,229	322.712,534	16,645	16,182
64	83.358	17.164,052	237.052,863	13,811	13,349	64	91.238	18.786,686	303.324,306	16,146	15,683
65	82.042	16.481,144	219.888,812	13,342	12,879	65	90.571	18.194,441	284.537,620	15,639	15,176
66	80.606	15.797,569	203.407,668	12,876	12,413	66	89.831	17.605,698	266.343,178	15,128	14,666
67	79.063	15.117,355	187.610,099	12,410	11,948	67	89.018	17.020,732	248.737,480	14,614	14,151
68	77.370	14.432,721	172.492,745	11,952	11,489	68	88.113	16.436,797	231.716,748	14,097	13,635
69	75.541	13.747,838	158.060,023	11,497	11,035	69	87.105	15.852,488	215.279,951	13,580	13,118
70	73.595	13.067,128	144.312,185	11,044	10,581	70	85.994	15.268,526	199.427,463	13,061	12,599
71	71.497	12.384,856	131.245,057	10,597	10,135	71	84.772	14.684,396	184.158,937	12,541	12,079
72	69.245	11.702,292	118.860,201	10,157	9,695	72	83.397	14.093,979	169.474,541	12,025	11,562
73	66.807	11.014,938	107.157,909	9,728	9,266	73	81.894	13.502,319	155.380,562	11,508	11,045
74	64.216	10.329,492	96.142,971	9,308	8,845	74	80.225	12.904,629	141.878,243	10,994	10,532
75	61.490	9.649,703	85.813,479	8,893	8,430	75	78.399	12.303,315	128.973,614	10,483	10,020
76	58.647	8.979,068	76.163,777	8,482	8,020	76	76.367	11.692,020	116.670,299	9,979	9,516
77	55.721	8.323,062	67.184,709	8,072	7,610	77	74.156	11.076,639	104.978,279	9,477	9,015
78	52.671	7.675,600	58.861,647	7,669	7,206	78	71.743	10.454,916	93.901,639	8,982	8,519
79	49.474	7.033,823	51.186,047	7,277	6,815	79	69.084	9.821,887	83.446,724	8,496	8,034
80	46.179	6.405,286	44.152,224	6,893	6,431	80	66.178	9.179,237	73.624,837	8,021	7,558
81	42.747	5.784,637	37.746,939	6,525	6,063	81	62.954	8.519,099	64.445,600	7,565	7,102
82	39.238	5.180,187	31.962,301	6,170	5,708	82	59.445	7.848,011	55.926,500	7,126	6,664
83	35.555	4.579,469	26.782,114	5,848	5,386	83	55.604	7.161,795	48.078,489	6,713	6,251
84	31.932	4.012,530	22.202,645	5,533	5,071	84	51.619	6.486,435	40.916,694	6,308	5,846
85	28.411	3.483,013	18.190,115	5,223	4,760	85	47.471	5.819,683	34.430,259	5,916	5,454
86	25.109	3.003,188	14.707,102	4,897	4,435	86	43.349	5.184,772	28.610,576	5,518	5,056
87	21.783	2.541,824	11.703,914	4,605	4,142	87	38.979	4.548,363	23.425,804	5,150	4,688
88	18.512	2.107,424	9.162,090	4,348	3,885	88	34.384	3.914,354	18.877,441	4,823	4,360
89	15.448	1.715,750	7.054,665	4,112	3,649	89	29.862	3.316,596	14.963,087	4,512	4,049
90	12.671	1.372,940	5.338,916	3,889	3,426	90	25.436	2.756,092	11.646,491	4,226	3,763
91	10.212	1.079,583	3.965,976	3,674	3,211	91	21.278	2.249,342	8.890,400	3,952	3,490
92	8.040	829,223	2.886,393	3,481	3,018	92	17.290	1.783,235	6.641,057	3,724	3,262
93	6.192	622,997	2.057,170	3,302	2,840	93	13.739	1.382,416	4.857,823	3,514	3,052
94	4.658	457,273	1.434,173	3,136	2,674	94	10.662	1.046,602	3.475,407	3,321	2,858
95	3.420	327,502	976,900	2,983	2,520	95	8.069	772,810	2.428,805	3,143	2,680
96	2.447	228,601	649,398	2,841	2,378	96	5.949	555,838	1.655,995	2,979	2,517
97	1.704	155,325	420,797	2,709	2,247	97	4.266	388,905	1.100,157	2,829	2,366
98	1.154	102,608	265,471	2,587	2,125	98	2.973	264,358	711,252	2,690	2,228
99	759	65,822	162,863	2,474	2,012	99	2.010	174,355	446,893	2,563	2,101
100	484	40,953	97,041	2,370	1,907	100	1316	111,430	272,539	2,446	1,983

Kommütationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Rente nach der Sterbetafel 2002/2004

Zinsfuß 2,75%

x	l _x	D _x	N _x	ä _x	⁽¹²⁾ ä _x	y	l _y	D _y	N _y	ä _y	⁽¹²⁾ ä _y
0	100.000	100.000,000	3.213.464,843	32,135	31,672	0	100.000	100.000,000	3.294.236,223	32,942	32,480
1	99.544	96.879,581	3.113.464,843	32,137	31,675	1	99.620	96.954,069	3.194.236,223	32,946	32,483
2	99.504	94.248,606	3.016.585,262	32,007	31,544	2	99.585	94.325,398	3.097.282,153	32,836	32,373
3	99.484	91.707,670	2.922.336,656	31,866	31,403	3	99.565	91.782,723	3.002.956,755	32,718	32,255
4	99.465	89.236,925	2.830.628,986	31,720	31,258	4	99.548	89.310,919	2.911.174,032	32,596	32,133
5	99.452	86.836,942	2.741.392,061	31,569	31,107	5	99.535	86.909,376	2.821.863,113	32,469	32,006
6	99.438	84.501,266	2.654.555,119	31,414	30,952	6	99.522	84.572,278	2.734.953,737	32,339	31,876
7	99.427	82.230,090	2.570.053,853	31,254	30,792	7	99.513	82.301,202	2.650.381,459	32,203	31,741
8	99.415	80.019,403	2.487.823,763	31,090	30,627	8	99.504	80.091,517	2.568.080,258	32,064	31,602
9	99.403	77.868,504	2.407.804,361	30,921	30,459	9	99.495	77.940,466	2.487.988,741	31,922	31,459
10	99.393	75.777,340	2.329.935,856	30,747	30,284	10	99.488	75.849,567	2.410.048,274	31,774	31,311
11	99.384	73.742,306	2.254.158,516	30,568	30,105	11	99.480	73.813,322	2.334.198,707	31,623	31,160
12	99.370	71.758,299	2.180.416,210	30,386	29,923	12	99.470	71.831,046	2.260.385,385	31,468	31,005
13	99.357	69.828,641	2.108.657,910	30,198	29,735	13	99.462	69.902,624	2.188.554,339	31,309	30,846
14	99.344	67.950,936	2.038.829,270	30,004	29,542	14	99.452	68.025,159	2.118.651,715	31,145	30,682
15	99.326	66.120,097	1.970.878,334	29,808	29,345	15	99.441	66.196,820	2.050.626,556	30,978	30,515
16	99.302	64.335,280	1.904.758,236	29,607	29,144	16	99.423	64.413,618	1.984.429,737	30,808	30,345
17	99.264	62.589,429	1.840.422,956	29,405	28,942	17	99.402	62.676,376	1.920.016,119	30,634	30,171
18	99.214	60.883,412	1.777.833,527	29,201	28,738	18	99.380	60.985,485	1.857.339,742	30,455	29,993
19	99.139	59.208,984	1.716.950,115	28,998	28,535	19	99.352	59.336,201	1.796.354,257	30,274	29,811
20	99.059	57.577,905	1.657.741,131	28,791	28,328	20	99.324	57.732,119	1.737.018,056	30,088	29,625
21	98.983	55.994,287	1.600.163,227	28,577	28,114	21	99.293	56.169,230	1.679.285,937	29,897	29,434
22	98.906	54.452,927	1.544.168,939	28,358	27,895	22	99.268	54.652,543	1.623.116,706	29,699	29,236
23	98.831	52.955,593	1.489.716,012	28,131	27,669	23	99.241	53.175,422	1.568.464,164	29,496	29,033
24	98.758	51.500,089	1.436.760,419	27,898	27,435	24	99.216	51.738,733	1.515.288,742	29,287	28,824
25	98.686	50.085,374	1.385.260,330	27,658	27,195	25	99.189	50.340,318	1.463.550,009	29,073	28,610
26	98.614	48.709,235	1.335.174,955	27,411	26,948	26	99.164	48.980,955	1.413.209,691	28,852	28,389
27	98.544	47.371,678	1.286.465,721	27,157	26,694	27	99.136	47.656,683	1.364.228,737	28,626	28,163
28	98.473	46.070,852	1.239.094,043	26,895	26,433	28	99.108	46.367,683	1.316.572,053	28,394	27,931
29	98.401	44.804,855	1.193.023,191	26,627	26,164	29	99.078	45.113,304	1.270.204,370	28,156	27,693
30	98.331	43.575,028	1.148.218,336	26,350	25,888	30	99.049	43.893,041	1.225.091,066	27,911	27,448
31	98.260	42.377,804	1.104.643,308	26,067	25,604	31	99.017	42.704,301	1.181.198,025	27,660	27,197
32	98.182	41.211,036	1.062.265,503	25,776	25,313	32	98.981	41.546,517	1.138.493,724	27,403	26,940
33	98.102	40.075,206	1.021.054,467	25,478	25,016	33	98.946	40.420,189	1.096.947,207	27,139	26,676
34	98.016	38.968,420	980.979,262	25,174	24,711	34	98.907	39.322,665	1.056.527,018	26,868	26,405
35	97.922	37.889,247	942.010,842	24,862	24,399	35	98.860	38.252,292	1.017.204,352	26,592	26,129
36	97.819	36.836,590	904.121,595	24,544	24,081	36	98.810	37.209,448	978.952,061	26,309	25,846
37	97.709	35.810,226	867.285,004	24,219	23,756	37	98.754	36.193,098	941.742,612	26,020	25,557
38	97.591	34.809,696	831.474,778	23,886	23,423	38	98.693	35.202,826	905.549,514	25,724	25,261
39	97.457	33.831,367	796.665,082	23,548	23,085	39	98.624	34.236,692	870.346,689	25,421	24,959
40	97.306	32.875,156	762.833,716	23,204	22,741	40	98.545	33.293,716	836.109,997	25,113	24,650
41	97.139	31.940,184	729.958,559	22,854	22,391	41	98.459	32.374,454	802.816,280	24,798	24,335
42	96.954	31.026,285	698.018,375	22,498	22,035	42	98.362	31.476,839	770.441,826	24,476	24,014
43	96.740	30.129,300	666.992,090	22,138	21,675	43	98.252	30.599,940	738.964,987	24,149	23,686
44	96.501	29.250,329	636.862,790	21,773	21,310	44	98.124	29.742,307	708.365,047	23,817	23,354
45	96.242	28.391,100	607.612,461	21,402	20,939	45	97.987	28.905,991	678.622,740	23,477	23,014
46	95.946	27.546,218	579.221,361	21,027	20,564	46	97.832	28.087,733	649.716,749	23,132	22,669
47	95.620	26.717,975	551.675,143	20,648	20,185	47	97.656	27.286,898	621.629,016	22,781	22,318
48	95.262	25.905,436	524.957,168	20,264	19,802	48	97.466	26.504,949	594.342,118	22,424	21,961
49	94.873	25.109,175	499.051,732	19,875	19,412	49	97.260	25.740,886	567.837,169	22,060	21,597

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Rente
nach der Sterbetafel 2002/2004**

Zinsfuß 2,75%

x	l _x	D _x	N _x	ä _x	⁽¹²⁾ ä _x	y	l _y	D _y	N _y	ä _y	⁽¹²⁾ ä _y
50	94.447	24.327,471	473.942,557	19,482	19,019	50	97.026	24.991,664	542.096,284	21,691	21,228
51	93.979	23.559,047	449.615,085	19,085	18,622	51	96.781	24.261,332	517.104,620	21,314	20,851
52	93.492	22.809,725	426.056,038	18,679	18,216	52	96.512	23.546,426	492.843,288	20,931	20,468
53	92.944	22.069,050	403.246,313	18,272	17,809	53	96.220	22.846,949	469.296,861	20,541	20,078
54	92.360	21.343,390	381.177,263	17,859	17,396	54	95.916	22.165,264	446.449,912	20,142	19,679
55	91.733	20.631,112	359.833,873	17,441	16,979	55	95.583	21.497,001	424.284,648	19,737	19,274
56	91.046	19.928,642	339.202,762	17,021	16,558	56	95.221	20.842,428	402.787,647	19,325	18,863
57	90.333	19.243,381	319.274,120	16,591	16,129	57	94.838	20.203,164	381.945,219	18,905	18,442
58	89.551	18.566,298	300.030,739	16,160	15,697	58	94.415	19.574,692	361.742,055	18,480	18,017
59	88.698	17.897,188	281.464,441	15,727	15,264	59	93.960	18.959,053	342.167,363	18,048	17,585
60	87.765	17.235,102	263.567,253	15,292	14,830	60	93.483	18.357,829	323.208,310	17,606	17,143
61	86.777	16.584,977	246.332,151	14,853	14,390	61	92.968	17.768,159	304.850,481	17,157	16,694
62	85.735	15.947,222	229.747,174	14,407	13,944	62	92.445	17.195,300	287.082,322	16,695	16,233
63	84.580	15.311,355	213.799,951	13,963	13,501	63	91.863	16.629,773	269.887,021	16,229	15,766
64	83.358	14.686,220	198.488,597	13,515	13,052	64	91.238	16.074,609	253.257,248	15,755	15,292
65	82.042	14.067,587	183.802,376	13,066	12,603	65	90.571	15.529,983	237.182,639	15,273	14,810
66	80.606	13.451,309	169.734,789	12,618	12,156	66	89.831	14.990,895	221.652,656	14,786	14,323
67	79.063	12.840,801	156.283,480	12,171	11,708	67	89.018	14.457,546	206.661,761	14,294	13,832
68	77.370	12.229,441	143.442,679	11,729	11,266	68	88.113	13.927,577	192.204,216	13,800	13,337
69	75.541	11.620,768	131.213,238	11,291	10,828	69	87.105	13.399,785	178.276,639	13,304	12,842
70	73.595	11.018,503	119.592,470	10,854	10,391	70	85.994	12.874,772	164.876,854	12,806	12,343
71	71.497	10.417,786	108.573,967	10,422	9,959	71	84.772	12.352,093	152.002,082	12,306	11,843
72	69.245	9.819,682	98.156,181	9,996	9,533	72	83.397	11.826,606	139.649,989	11,808	11,345
73	66.807	9.220,418	88.336,499	9,581	9,118	73	81.894	11.302,562	127.823,383	11,309	10,846
74	64.216	8.625,605	79.116,081	9,172	8,709	74	80.225	10.775,964	116.520,820	10,813	10,350
75	61.490	8.038,343	70.490,477	8,769	8,306	75	78.399	10.248,841	105.744,857	10,318	9,855
76	58.647	7.461,496	62.452,134	8,370	7,907	76	76.367	9.715,926	95.496,016	9,829	9,366
77	55.721	6.899,535	54.990,638	7,970	7,507	77	74.156	9.182,157	85.780,090	9,342	8,879
78	52.671	6.347,329	48.091,103	7,577	7,114	78	71.743	8.645,682	76.597,933	8,860	8,397
79	49.474	5.802,460	41.743,774	7,194	6,731	79	69.084	8.102,438	67.952,251	8,387	7,924
80	46.179	5.271,100	35.941,313	6,819	6,356	80	66.178	7.553,868	59.849,814	7,923	7,460
81	42.747	4.748,768	30.670,213	6,459	5,996	81	62.954	6.993,563	52.295,946	7,478	7,015
82	39.238	4.242,211	25.921,445	6,110	5,648	82	59.445	6.426,973	45.302,383	7,049	6,586
83	35.555	3.741,141	21.679,234	5,795	5,332	83	55.604	5.850,740	38.875,410	6,645	6,182
84	31.932	3.270,011	17.938,093	5,486	5,023	84	51.619	5.286,120	33.024,670	6,247	5,785
85	28.411	2.831,575	14.668,082	5,180	4,717	85	47.471	4.731,211	27.738,550	5,863	5,400
86	25.109	2.435,553	11.836,507	4,860	4,397	86	43.349	4.204,793	23.007,340	5,472	5,009
87	21.783	2.056,376	9.400,954	4,572	4,109	87	38.979	3.679,698	18.802,546	5,110	4,647
88	18.512	1.700,792	7.344,578	4,318	3,856	88	34.384	3.159,069	15.122,848	4,787	4,324
89	15.448	1.381,322	5.643,787	4,086	3,623	89	29.862	2.670,137	11.963,779	4,481	4,018
90	12.671	1.102,642	4.262,465	3,866	3,403	90	25.436	2.213,486	9.293,641	4,199	3,736
91	10.212	864,930	3.159,822	3,653	3,190	91	21.278	1.802,107	7.080,155	3,929	3,466
92	8.040	662,733	2.294,892	3,463	3,000	92	17.290	1.425,200	5.278,048	3,703	3,241
93	6.192	496,701	1.632,159	3,286	2,823	93	13.739	1.102,168	3.852,849	3,496	3,033
94	4.658	363,686	1.135,457	3,122	2,659	94	10.662	832,402	2.750,680	3,305	2,842
95	3.420	259,841	771,771	2,970	2,507	95	8.069	613,149	1.918,279	3,129	2,666
96	2.447	180,931	511,930	2,829	2,367	96	5.949	439,930	1.305,129	2,967	2,504
97	1.704	122,636	330,999	2,699	2,236	97	4.266	307,058	865,199	2,818	2,355
98	1.154	80,817	208,363	2,578	2,115	98	2.973	208,215	558,141	2,681	2,218
99	759	51,717	127,546	2,466	2,003	99	2.010	136,992	349,926	2,554	2,092
100	484	32,099	75,829	2,362	1,900	100	1316	87,338	212,934	2,438	1,975

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Rente
nach der Sterbetafel 2002/2004**

Zinsfuß 3,00%

x	l _x	D _x	N _x	ä _x	(12) ä _x	y	l _y	D _y	N _y	ä _y	(12) ä _y
0	100.000	100.000,000	3.024.886,866	30,249	29,786	0	100.000	100.000,000	3.093.450,112	30,935	30,471
1	99.544	96.644,437	2.924.886,866	30,264	29,801	1	99.620	96.718,744	2.993.450,112	30,950	30,487
2	99.504	93.791,644	2.828.242,429	30,155	29,691	2	99.585	93.868,063	2.896.731,368	30,860	30,396
3	99.484	91.041,515	2.734.450,785	30,035	29,572	3	99.565	91.116,023	2.802.863,305	30,761	30,298
4	99.465	88.373,696	2.643.409,270	29,912	29,448	4	99.548	88.446,974	2.711.747,281	30,660	30,196
5	99.452	85.788,199	2.555.035,574	29,783	29,320	5	99.535	85.859,758	2.623.300,307	30,553	30,090
6	99.438	83.278,108	2.469.247,375	29,651	29,187	6	99.522	83.348,092	2.537.440,549	30,444	29,981
7	99.427	80.843,109	2.385.969,267	29,514	29,050	7	99.513	80.913,021	2.454.092,457	30,330	29,867
8	99.415	78.478,763	2.305.126,158	29,373	28,909	8	99.504	78.549,490	2.373.179,436	30,213	29,749
9	99.403	76.183,915	2.226.647,395	29,227	28,764	9	99.495	76.254,320	2.294.629,946	30,092	29,629
10	99.393	73.958,044	2.150.463,480	29,077	28,614	10	99.488	74.028,537	2.218.375,626	29,966	29,503
11	99.384	71.797,179	2.076.505,436	28,922	28,459	11	99.480	71.866,322	2.144.347,090	29,838	29,375
12	99.370	69.695,929	2.004.708,257	28,764	28,300	12	99.470	69.766,585	2.072.480,768	29,706	29,243
13	99.357	67.657,113	1.935.012,329	28,600	28,137	13	99.462	67.728,796	2.002.714,184	29,570	29,106
14	99.344	65.678,001	1.867.355,215	28,432	27,969	14	99.452	65.749,741	1.934.985,388	29,430	28,966
15	99.326	63.753,285	1.801.677,214	28,260	27,797	15	99.441	63.827,262	1.869.235,647	29,286	28,823
16	99.302	61.881,793	1.737.923,929	28,085	27,621	16	99.423	61.957,143	1.805.408,385	29,140	28,676
17	99.264	60.056,399	1.676.042,136	27,908	27,445	17	99.402	60.139,828	1.743.451,242	28,990	28,527
18	99.214	58.277,630	1.615.985,736	27,729	27,266	18	99.380	58.375,336	1.683.311,414	28,836	28,373
19	99.139	56.537,307	1.557.708,106	27,552	27,089	19	99.352	56.658,784	1.624.936,079	28,679	28,216
20	99.059	54.846,381	1.501.170,799	27,370	26,907	20	99.324	54.993,279	1.568.277,295	28,518	28,054
21	98.983	53.208,430	1.446.324,418	27,182	26,719	21	99.293	53.374,669	1.513.284,016	28,352	27,889
22	98.906	51.618,165	1.393.115,988	26,989	26,526	22	99.268	51.807,388	1.459.909,346	28,180	27,716
23	98.831	50.076,939	1.341.497,823	26,789	26,326	23	99.241	50.284,817	1.408.101,958	28,003	27,539
24	98.758	48.582,350	1.291.420,885	26,582	26,119	24	99.216	48.807,474	1.357.817,141	27,820	27,357
25	98.686	47.133,107	1.242.838,534	26,369	25,905	25	99.189	47.373,023	1.309.009,667	27,632	27,169
26	98.614	45.726,826	1.195.705,427	26,149	25,686	26	99.164	45.981,909	1.261.636,644	27,438	26,974
27	98.544	44.363,227	1.149.978,601	25,922	25,459	27	99.136	44.630,132	1.215.654,735	27,238	26,775
28	98.473	43.040,292	1.105.615,375	25,688	25,225	28	99.108	43.317,597	1.171.024,603	27,033	26,570
29	98.401	41.755,976	1.062.575,083	25,447	24,984	29	99.078	42.043,437	1.127.707,006	26,822	26,359
30	98.331	40.511,269	1.020.819,106	25,198	24,735	30	99.049	40.806,922	1.085.663,569	26,605	26,142
31	98.260	39.302,596	980.307,837	24,943	24,479	31	99.017	39.605,400	1.044.856,647	26,382	25,918
32	98.182	38.127,727	941.005,241	24,680	24,217	32	98.981	38.438,109	1.005.251,247	26,152	25,689
33	98.102	36.986,885	902.877,514	24,411	23,948	33	98.946	37.305,283	966.813,138	25,916	25,453
34	98.016	35.878,097	865.890,629	24,134	23,671	34	98.907	36.204,249	929.507,856	25,674	25,211
35	97.922	34.799,835	830.012,533	23,851	23,388	35	98.860	35.133,277	893.303,607	25,426	24,963
36	97.819	33.750,890	795.212,698	23,561	23,098	36	98.810	34.092,515	858.170,329	25,172	24,709
37	97.709	32.730,865	761.461,808	23,264	22,801	37	98.754	33.080,813	824.077,814	24,911	24,448
38	97.591	31.739,147	728.730,943	22,960	22,497	38	98.693	32.097,599	790.997,001	24,643	24,180
39	97.457	30.772,244	696.991,796	22,650	22,187	39	98.624	31.140,919	758.899,402	24,370	23,907
40	97.306	29.829,918	666.219,552	22,334	21,871	40	98.545	30.209,707	727.758,483	24,090	23,627
41	97.139	28.911,209	636.389,634	22,012	21,549	41	98.459	29.304,296	697.548,776	23,804	23,340
42	96.954	28.015,813	607.478,424	21,683	21,220	42	98.362	28.422,650	668.244,480	23,511	23,048
43	96.740	27.139,828	579.462,612	21,351	20,888	43	98.252	27.563,770	639.821,831	23,212	22,749
44	96.501	26.284,119	552.322,784	21,014	20,550	44	98.124	26.726,206	612.258,060	22,909	22,445
45	96.242	25.450,100	526.038,665	20,669	20,206	45	97.987	25.911,653	585.531,854	22,597	22,134
46	95.946	24.632,804	500.588,566	20,322	19,859	46	97.832	25.117,046	559.620,201	22,280	21,817
47	95.620	23.834,169	475.955,762	19,969	19,506	47	97.656	24.341,685	534.503,155	21,958	21,495
48	95.262	23.053,241	452.121,593	19,612	19,149	48	97.466	23.586,747	510.161,470	21,629	21,166
49	94.873	22.290,414	429.068,353	19,249	18,786	49	97.260	22.851,208	486.574,723	21,293	20,830

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Rente
nach der Sterbetafel 2002/2004**

Zinsfuß 3,00%

x	l _x	D _x	N _x	ä _x	⁽¹²⁾ ä _x	y	l _y	D _y	N _y	ä _y	⁽¹²⁾ ä _y
50	94.447	21.544,046	406.777,938	18,881	18,418	50	97.026	22.132,245	463.723,515	20,952	20,489
51	93.979	20.812,901	385.233,893	18,509	18,046	51	96.781	21.433,325	441.591,270	20,603	20,140
52	93.492	20.102,013	364.420,992	18,129	17,665	52	96.512	20.751,261	420.157,945	20,247	19,784
53	92.944	19.402,056	344.318,979	17,747	17,283	53	96.220	20.085,948	399.406,684	19,885	19,422
54	92.360	18.718,546	324.916,923	17,358	16,895	54	95.916	19.439,345	379.320,736	19,513	19,050
55	91.733	18.049,948	306.198,377	16,964	16,501	55	95.583	18.807,505	359.881,391	19,135	18,672
56	91.046	17.393,045	288.148,429	16,567	16,104	56	95.221	18.190,567	341.073,886	18,750	18,287
57	90.333	16.754,208	270.755,384	16,160	15,697	57	94.838	17.589,842	322.883,319	18,356	17,893
58	89.551	16.125,473	254.001,176	15,752	15,288	58	94.415	17.001,298	305.293,477	17,957	17,494
59	88.698	15.506,599	237.875,703	15,340	14,877	59	93.960	16.426,627	288.292,180	17,550	17,087
60	87.765	14.896,705	222.369,104	14,927	14,464	60	93.483	15.867,104	271.865,553	17,134	16,671
61	86.777	14.299,993	207.472,399	14,509	14,045	61	92.968	15.320,163	255.998,448	16,710	16,247
62	85.735	13.716,731	193.172,406	14,083	13,620	62	92.445	14.790,244	240.678,285	16,273	15,810
63	84.580	13.137,834	179.455,675	13,659	13,196	63	91.863	14.269,097	225.888,042	15,831	15,367
64	83.358	12.570,855	166.317,841	13,230	12,767	64	91.238	13.759,263	211.618,944	15,380	14,917
65	82.042	12.012,102	153.746,986	12,799	12,336	65	90.571	13.260,820	197.859,681	14,921	14,457
66	80.606	11.457,993	141.734,884	12,370	11,907	66	89.831	12.769,431	184.598,861	14,456	13,993
67	79.063	10.911,406	130.276,892	11,940	11,476	67	89.018	12.285,227	171.829,431	13,987	13,523
68	77.370	10.366,682	119.365,485	11,514	11,051	68	88.113	11.806,162	159.544,204	13,514	13,050
69	75.541	9.826,811	108.998,803	11,092	10,629	69	87.105	11.331,193	147.738,042	13,038	12,575
70	73.595	9.294,906	99.171,991	10,669	10,206	70	85.994	10.860,803	136.406,849	12,560	12,096
71	71.497	8.766,827	89.877,086	10,252	9,789	71	84.772	10.394,595	125.546,045	12,078	11,615
72	69.245	8.243,451	81.110,258	9,839	9,376	72	83.397	9.928,228	115.151,450	11,598	11,135
73	66.807	7.721,591	72.866,808	9,437	8,974	73	81.894	9.465,273	105.223,222	11,117	10,654
74	64.216	7.205,936	65.145,216	9,040	8,577	74	80.225	9.002,372	95.757,949	10,637	10,174
75	61.490	6.699,031	57.939,280	8,649	8,186	75	78.399	8.541,226	86.755,577	10,157	9,694
76	58.647	6.203,202	51.240,250	8,260	7,797	76	76.367	8.077,449	78.214,352	9,683	9,220
77	55.721	5.722,087	45.037,047	7,871	7,408	77	74.156	7.615,166	70.136,902	9,210	8,747
78	52.671	5.251,342	39.314,960	7,487	7,023	78	71.743	7.152,840	62.521,737	8,741	8,278
79	49.474	4.788,903	34.063,618	7,113	6,650	79	69.084	6.687,127	55.368,897	8,280	7,817
80	46.179	4.339,800	29.274,716	6,746	6,282	80	66.178	6.219,248	48.681,770	7,828	7,364
81	42.747	3.900,264	24.934,915	6,393	5,930	81	62.954	5.743,962	42.462,523	7,393	6,929
82	39.238	3.475,762	21.034,651	6,052	5,589	82	59.445	5.265,797	36.718,561	6,973	6,510
83	35.555	3.057,781	17.558,889	5,742	5,279	83	55.604	4.782,039	31.452,763	6,577	6,114
84	31.932	2.666,221	14.501,109	5,439	4,976	84	51.619	4.310,066	26.670,725	6,188	5,725
85	28.411	2.303,136	11.834,888	5,139	4,675	85	47.471	3.848,255	22.360,659	5,811	5,347
86	25.109	1.976,212	9.531,752	4,823	4,360	86	43.349	3.411,778	18.512,404	5,426	4,963
87	21.783	1.664,498	7.555,540	4,539	4,076	87	38.979	2.978,468	15.100,626	5,070	4,607
88	18.512	1.373,335	5.891,042	4,290	3,826	88	34.384	2.550,847	12.122,159	4,752	4,289
89	15.448	1.112,666	4.517,707	4,060	3,597	89	29.862	2.150,817	9.571,311	4,450	3,987
90	12.671	886,032	3.405,041	3,843	3,380	90	25.436	1.778,653	7.420,494	4,172	3,709
91	10.212	693,330	2.519,009	3,633	3,170	91	21.278	1.444,574	5.641,841	3,906	3,442
92	8.040	529,959	1.825,679	3,445	2,982	92	17.290	1.139,671	4.197,267	3,683	3,220
93	6.192	396,227	1.295,719	3,270	2,807	93	13.739	879,217	3.057,596	3,478	3,014
94	4.658	289,414	899,493	3,108	2,645	94	10.662	662,408	2.178,378	3,289	2,825
95	3.420	206,274	610,079	2,958	2,494	95	8.069	486,748	1.515,970	3,114	2,651
96	2.447	143,283	403,805	2,818	2,355	96	5.949	348,390	1.029,222	2,954	2,491
97	1.704	96,883	260,521	2,689	2,226	97	4.266	242,576	680,832	2,807	2,343
98	1.154	63,690	163,639	2,569	2,106	98	2.973	164,091	438,257	2,671	2,208
99	759	40,658	99,948	2,458	1,995	99	2.010	107,699	274,166	2,546	2,082
100	484	25,174	59,290	2,355	1,892	100	1316	68,496	166,467	2,430	1,967

Kommunikationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Rente nach der Sterbetafel 2002/2004

Zinsfuß 3,25%

x	l _x	D _x	N _x	ä _x	⁽¹²⁾ ä _x	y	l _y	D _y	N _y	ä _y	⁽¹²⁾ ä _y
0	100.000	100.000,000	2.854.549,177	28,545	28,082	0	100.000	100.000,000	2.912.893,782	29,129	28,665
1	99.544	96.410,431	2.754.549,177	28,571	28,107	1	99.620	96.484,558	2.812.893,782	29,154	28,690
2	99.504	93.337,997	2.658.138,746	28,479	28,015	2	99.585	93.414,047	2.716.409,224	29,079	28,616
3	99.484	90.381,797	2.564.800,749	28,377	27,914	3	99.565	90.455,765	2.622.995,177	28,998	28,534
4	99.465	87.520,880	2.474.418,953	28,272	27,809	4	99.548	87.593,451	2.532.539,412	28,912	28,449
5	99.452	84.754,618	2.386.898,072	28,162	27,699	5	99.535	84.825,315	2.444.945,961	28,823	28,360
6	99.438	82.075,557	2.302.143,454	28,049	27,585	6	99.522	82.144,530	2.360.120,645	28,731	28,268
7	99.427	79.482,800	2.220.067,897	27,931	27,468	7	99.513	79.551,536	2.277.976,115	28,635	28,172
8	99.415	76.971,414	2.140.585,098	27,810	27,347	8	99.504	77.040,782	2.198.424,580	28,536	28,072
9	99.403	74.539,721	2.063.613,684	27,685	27,221	9	99.495	74.608,607	2.121.383,798	28,433	27,970
10	99.393	72.186,679	1.989.073,962	27,555	27,091	10	99.488	72.255,483	2.046.775,191	28,327	27,863
11	99.384	69.907,889	1.916.887,284	27,420	26,957	11	99.480	69.975,212	1.974.519,708	28,217	27,754
12	99.370	67.697,617	1.846.979,395	27,283	26,819	12	99.470	67.766,247	1.904.544,496	28,105	27,641
13	99.357	65.558,137	1.779.281,778	27,141	26,677	13	99.462	65.627,595	1.836.778,249	27,988	27,524
14	99.344	63.486,331	1.713.723,641	26,994	26,530	14	99.452	63.555,677	1.771.150,654	27,868	27,404
15	99.326	61.476,628	1.650.237,310	26,843	26,380	15	99.441	61.547,962	1.707.594,977	27,744	27,281
16	99.302	59.527,483	1.588.760,683	26,690	26,226	16	99.423	59.599,967	1.646.047,015	27,618	27,155
17	99.264	57.631,654	1.529.233,200	26,535	26,071	17	99.402	57.711,714	1.586.447,048	27,489	27,026
18	99.214	55.789,291	1.471.601,546	26,378	25,914	18	99.380	55.882,825	1.528.735,334	27,356	26,892
19	99.139	53.992,227	1.415.812,254	26,223	25,759	19	99.352	54.108,235	1.472.852,509	27,220	26,757
20	99.059	52.250,597	1.361.820,027	26,063	25,600	20	99.324	52.390,544	1.418.744,274	27,080	26,617
21	98.983	50.567,432	1.309.569,429	25,897	25,434	21	99.293	50.725,420	1.366.353,730	26,936	26,473
22	98.906	48.937,319	1.259.001,998	25,727	25,263	22	99.268	49.116,715	1.315.628,311	26,786	26,322
23	98.831	47.361,184	1.210.064,678	25,550	25,086	23	99.241	47.557,789	1.266.511,595	26,631	26,167
24	98.758	45.836,397	1.162.703,494	25,366	24,903	24	99.216	46.048,795	1.218.953,806	26,471	26,007
25	98.686	44.361,393	1.116.867,098	25,177	24,713	25	99.189	44.587,201	1.172.905,011	26,306	25,842
26	98.614	42.933,602	1.072.505,705	24,981	24,517	26	99.164	43.173,104	1.128.317,810	26,135	25,671
27	98.544	41.552,443	1.029.572,102	24,778	24,314	27	99.136	41.802,438	1.085.144,706	25,959	25,495
28	98.473	40.215,716	988.019,659	24,568	24,104	28	99.108	40.474,823	1.043.342,268	25,778	25,314
29	98.401	38.921,217	947.803,942	24,352	23,888	29	99.078	39.189,162	1.002.867,445	25,590	25,127
30	98.331	37.669,580	908.882,726	24,128	23,664	30	99.049	37.944,495	963.678,283	25,397	24,933
31	98.260	36.457,202	871.213,145	23,897	23,433	31	99.017	36.738,083	925.733,789	25,198	24,735
32	98.182	35.281,755	834.755,944	23,660	23,196	32	98.981	35.568,969	888.995,705	24,994	24,530
33	98.102	34.143,196	799.474,189	23,415	22,952	33	98.946	34.437,115	853.426,737	24,782	24,319
34	98.016	33.039,463	765.330,992	23,164	22,701	34	98.907	33.339,811	818.989,622	24,565	24,101
35	97.922	31.968,918	732.291,529	22,906	22,443	35	98.860	32.275,235	785.649,811	24,342	23,879
36	97.819	30.930,230	700.322,611	22,642	22,178	36	98.810	31.243,304	753.374,575	24,113	23,650
37	97.709	29.922,823	669.392,381	22,371	21,907	37	98.754	30.242,748	722.131,271	23,878	23,414
38	97.591	28.945,929	639.469,558	22,092	21,628	38	98.693	29.272,836	691.888,523	23,636	23,172
39	97.457	27.996,167	610.523,629	21,807	21,344	39	98.624	28.331,583	662.615,687	23,388	22,924
40	97.306	27.073,141	582.527,462	21,517	21,053	40	98.545	27.417,830	634.284,104	23,134	22,670
41	97.139	26.175,802	555.454,321	21,220	20,757	41	98.459	26.531,697	606.866,274	22,873	22,410
42	96.954	25.303,706	529.278,519	20,917	20,453	42	98.362	25.671,158	580.334,577	22,606	22,143
43	96.740	24.453,169	503.974,813	20,610	20,146	43	98.252	24.835,145	554.663,418	22,334	21,870
44	96.501	23.624,828	479.521,644	20,297	19,834	44	98.124	24.022,187	529.828,274	22,056	21,592
45	96.242	22.819,803	455.896,816	19,978	19,514	45	97.987	23.233,654	505.806,087	21,770	21,307
46	95.946	22.033,496	433.077,014	19,655	19,192	46	97.832	22.466,640	482.572,433	21,480	21,016
47	95.620	21.267,514	411.043,518	19,327	18,864	47	97.656	21.720,378	460.105,793	21,183	20,720
48	95.262	20.520,875	389.776,003	18,994	18,530	48	97.466	20.995,776	438.385,416	20,880	20,416
49	94.873	19.793,801	369.255,128	18,655	18,191	49	97.260	20.291,784	417.389,639	20,569	20,106

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Rente
nach der Sterbetafel 2002/2004**

Zinsfuß 3,25%

x	l _x	D _x	N _x	ä _x	⁽¹²⁾ ä _x	y	l _y	D _y	N _y	ä _y	⁽¹²⁾ ä _y
50	94.447	19.084,706	349.461,328	18,311	17,847	50	97.026	19.605,760	397.097,856	20,254	19,791
51	93.979	18.392,383	330.376,621	17,963	17,499	51	96.781	18.940,652	377.492,096	19,930	19,467
52	93.492	17.721,158	311.984,239	17,605	17,142	52	96.512	18.293,510	358.551,444	19,600	19,136
53	92.944	17.062,689	294.263,080	17,246	16,782	53	96.220	17.664,121	340.257,933	19,263	18,799
54	92.360	16.421,733	277.200,392	16,880	16,416	54	95.916	17.054,088	322.593,812	18,916	18,452
55	91.733	15.796,832	260.778,659	16,508	16,045	55	95.583	16.459,826	305.539,724	18,563	18,099
56	91.046	15.185,071	244.981,827	16,133	15,669	56	95.221	15.881,351	289.079,898	18,202	17,739
57	90.333	14.591,914	229.796,756	15,748	15,285	57	94.838	15.319,701	273.198,547	17,833	17,370
58	89.551	14.010,318	215.204,842	15,360	14,897	58	94.415	14.771,262	257.878,846	17,458	16,995
59	88.698	13.439,999	201.194,523	14,970	14,506	59	93.960	14.237,413	243.107,584	17,075	16,612
60	87.765	12.880,125	187.754,524	14,577	14,113	60	93.483	13.719,161	228.870,170	16,683	16,219
61	86.777	12.334,253	174.874,399	14,178	13,714	61	92.968	13.214,186	215.151,010	16,282	15,818
62	85.735	11.802,522	162.540,146	13,772	13,308	62	92.445	12.726,223	201.936,824	15,868	15,404
63	84.580	11.277,040	150.737,624	13,367	12,903	63	91.863	12.248,076	189.210,601	15,448	14,985
64	83.358	10.764,239	139.460,584	12,956	12,492	64	91.238	11.781,856	176.962,526	15,020	14,556
65	82.042	10.260,882	128.696,345	12,542	12,079	65	90.571	11.327,552	165.180,670	14,582	14,119
66	80.606	9.763,856	118.435,463	12,130	11,666	66	89.831	10.881,390	153.853,118	14,139	13,675
67	79.063	9.275,573	108.671,607	11,716	11,252	67	89.018	10.443,431	142.971,728	13,690	13,226
68	77.370	8.791,176	99.396,034	11,306	10,843	68	88.113	10.011,887	132.528,297	13,237	12,773
69	75.541	8.313,176	90.604,858	10,899	10,435	69	87.105	9.585,835	122.516,410	12,781	12,317
70	73.595	7.844,161	82.291,682	10,491	10,027	70	85.994	9.165,654	112.930,575	12,321	11,857
71	71.497	7.380,591	74.447,521	10,087	9,623	71	84.772	8.750,971	103.764,921	11,858	11,394
72	69.245	6.923,168	67.066,930	9,687	9,224	72	83.397	8.338,109	95.013,950	11,395	10,932
73	66.807	6.469,189	60.143,762	9,297	8,833	73	81.894	7.930,054	86.675,841	10,930	10,466
74	64.216	6.022,552	53.674,574	8,912	8,449	74	80.225	7.523,971	78.745,787	10,466	10,002
75	61.490	5.585,336	47.652,022	8,532	8,068	75	78.399	7.121,271	71.221,816	10,001	9,538
76	58.647	5.159,415	42.066,686	8,153	7,690	76	76.367	6.718,290	64.100,545	9,541	9,078
77	55.721	4.747,731	36.907,271	7,774	7,310	77	74.156	6.318,457	57.382,255	9,082	8,618
78	52.671	4.346,594	32.159,540	7,399	6,935	78	71.743	5.920,486	51.063,798	8,625	8,161
79	49.474	3.954,231	27.812,945	7,034	6,570	79	69.084	5.521,608	45.143,313	8,176	7,712
80	46.179	3.574,727	23.858,715	6,674	6,211	80	66.178	5.122,842	39.621,705	7,734	7,271
81	42.747	3.204,899	20.283,987	6,329	5,865	81	62.954	4.719,890	34.498,863	7,309	6,846
82	39.238	2.849,164	17.079,088	5,994	5,531	82	59.445	4.316,499	29.778,973	6,899	6,435
83	35.555	2.500,466	14.229,924	5,691	5,227	83	55.604	3.910,459	25.462,474	6,511	6,048
84	31.932	2.174,993	11.729,458	5,393	4,929	84	51.619	3.515,974	21.552,015	6,130	5,666
85	28.411	1.874,255	9.554,465	5,098	4,634	85	47.471	3.131,647	18.036,040	5,759	5,296
86	25.109	1.604,315	7.680,211	4,787	4,324	86	43.349	2.769,727	14.904,394	5,381	4,918
87	21.783	1.347,990	6.075,895	4,507	4,044	87	38.979	2.412,105	12.134,667	5,031	4,567
88	18.512	1.109,499	4.727,906	4,261	3,798	88	34.384	2.060,796	9.722,562	4,718	4,254
89	15.448	896,732	3.618,407	4,035	3,571	89	29.862	1.733,410	7.661,767	4,420	3,956
90	12.671	712,351	2.721,675	3,821	3,357	90	25.436	1.430,000	5.928,357	4,146	3,682
91	10.212	556,074	2.009,324	3,613	3,150	91	21.278	1.158,595	4.498,357	3,883	3,419
92	8.040	424,015	1.453,251	3,427	2,964	92	17.290	911,840	3.339,762	3,663	3,199
93	6.192	316,250	1.029,235	3,255	2,791	93	13.739	701,750	2.427,922	3,460	2,996
94	4.658	230,437	712,986	3,094	2,630	94	10.662	527,423	1.726,172	3,273	2,809
95	3.420	163,842	482,548	2,945	2,482	95	8.069	386,620	1.198,748	3,101	2,637
96	2.447	113,533	318,706	2,807	2,344	96	5.949	276,054	812,128	2,942	2,478
97	1.704	76,581	205,173	2,679	2,216	97	4.266	191,744	536,075	2,796	2,332
98	1.154	50,222	128,592	2,560	2,097	98	2.973	129,392	344,330	2,661	2,198
99	759	31,983	78,370	2,450	1,987	99	2.010	84,719	214,939	2,537	2,073
100	484	19,755	46,387	2,348	1,885	100	1316	53,750	130,220	2,423	1,959

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Rente
nach der Sterbetafel 2002/2004**

Zinsfuß 3,50%

x	l _x	D _x	N _x	ä _x	⁽¹²⁾ ä _x	y	l _y	D _y	N _y	ä _y	⁽¹²⁾ ä _y
0	100.000	100.000,000	2.700.264,151	27,003	26,539	0	100.000	100.000,000	2.750.040,151	27,500	27,036
1	99.544	96.177,555	2.600.264,151	27,036	26,572	1	99.620	96.251,504	2.650.040,151	27,532	27,068
2	99.504	92.887,633	2.504.086,596	26,958	26,494	2	99.585	92.963,316	2.553.788,648	27,471	27,007
3	99.484	89.728,437	2.411.198,963	26,872	26,408	3	99.565	89.801,870	2.460.825,332	27,403	26,939
4	99.465	86.678,327	2.321.470,526	26,783	26,319	4	99.548	86.750,199	2.371.023,461	27,332	26,868
5	99.452	83.735,945	2.234.792,199	26,689	26,225	5	99.535	83.805,792	2.284.273,262	27,257	26,793
6	99.438	80.893,216	2.151.056,254	26,591	26,127	6	99.522	80.961,195	2.200.467,470	27,179	26,715
7	99.427	78.148,587	2.070.163,039	26,490	26,026	7	99.513	78.216,169	2.119.506,274	27,098	26,634
8	99.415	75.496,558	1.992.014,452	26,386	25,921	8	99.504	75.564,596	2.041.290,105	27,014	26,550
9	99.403	72.934,861	1.916.517,894	26,277	25,813	9	99.495	73.002,264	1.965.725,509	26,927	26,463
10	99.393	70.461,870	1.843.583,033	26,164	25,700	10	99.488	70.529,030	1.892.723,245	26,836	26,372
11	99.384	68.072,704	1.773.121,163	26,047	25,583	11	99.480	68.138,260	1.822.194,215	26,743	26,279
12	99.370	65.761,227	1.705.048,459	25,928	25,464	12	99.470	65.827,894	1.754.055,955	26,646	26,182
13	99.357	63.529,120	1.639.287,232	25,804	25,340	13	99.462	63.596,428	1.688.228,061	26,546	26,082
14	99.344	61.372,833	1.575.758,112	25,675	25,211	14	99.452	61.439,871	1.624.631,632	26,443	25,979
15	99.326	59.286,484	1.514.385,278	25,544	25,079	15	99.441	59.355,277	1.563.191,761	26,336	25,872
16	99.302	57.268,115	1.455.098,794	25,409	24,945	16	99.423	57.337,847	1.503.836,484	26,228	25,764
17	99.264	55.310,319	1.397.830,680	25,273	24,808	17	99.402	55.387,154	1.446.498,637	26,116	25,652
18	99.214	53.412,835	1.342.520,360	25,135	24,671	18	99.380	53.502,385	1.391.111,483	26,001	25,537
19	99.139	51.567,461	1.289.107,525	24,998	24,534	19	99.352	51.678,259	1.337.609,098	25,883	25,419
20	99.059	49.783,505	1.237.540,064	24,858	24,394	20	99.324	49.916,844	1.285.930,839	25,761	25,297
21	98.983	48.063,436	1.187.756,559	24,712	24,248	21	99.293	48.213,601	1.236.013,996	25,636	25,172
22	98.906	46.401,691	1.139.693,123	24,561	24,097	22	99.268	46.571,792	1.187.800,395	25,505	25,041
23	98.831	44.798,750	1.093.291,432	24,405	23,940	23	99.241	44.984,718	1.141.228,603	25,369	24,905
24	98.758	43.251,734	1.048.492,682	24,242	23,778	24	99.216	43.452,156	1.096.243,885	25,229	24,765
25	98.686	41.758,793	1.005.240,948	24,073	23,609	25	99.189	41.971,353	1.052.791,729	25,084	24,620
26	98.614	40.317,148	963.482,155	23,898	23,434	26	99.164	40.542,054	1.010.820,376	24,933	24,469
27	98.544	38.925,908	923.165,007	23,716	23,252	27	99.136	39.160,100	970.278,322	24,777	24,313
28	98.473	37.582,676	884.239,099	23,528	23,064	28	99.108	37.824,819	931.118,222	24,617	24,153
29	98.401	36.285,074	846.656,423	23,333	22,869	29	99.078	36.534,871	893.293,404	24,450	23,986
30	98.331	35.033,385	810.371,348	23,131	22,667	30	99.049	35.289,060	856.758,532	24,278	23,814
31	98.260	33.823,952	775.337,964	22,923	22,459	31	99.017	34.084,547	821.469,472	24,101	23,637
32	98.182	32.654,341	741.514,011	22,708	22,244	32	98.981	32.920,166	787.384,926	23,918	23,454
33	98.102	31.524,240	708.859,671	22,486	22,022	33	98.946	31.795,613	754.464,760	23,729	23,265
34	98.016	30.431,485	677.335,431	22,258	21,794	34	98.907	30.708,124	722.669,147	23,533	23,069
35	97.922	29.374,319	646.903,946	22,023	21,559	35	98.860	29.655,776	691.961,023	23,333	22,869
36	97.819	28.351,284	617.529,627	21,781	21,317	36	98.810	28.638,254	662.305,247	23,127	22,663
37	97.709	27.361,623	589.178,343	21,533	21,069	37	98.754	27.654,165	633.666,993	22,914	22,450
38	97.591	26.404,412	561.816,721	21,277	20,813	38	98.693	26.702,615	606.012,828	22,695	22,231
39	97.457	25.476,355	535.412,309	21,016	20,552	39	98.624	25.781,581	579.310,213	22,470	22,006
40	97.306	24.576,898	509.935,954	20,749	20,285	40	98.545	24.889,806	553.528,632	22,239	21,775
41	97.139	23.704,900	485.359,056	20,475	20,011	41	98.459	24.027,200	528.638,826	22,002	21,538
42	96.954	22.859,776	461.654,156	20,195	19,731	42	98.362	23.191,739	504.611,626	21,758	21,294
43	96.740	22.038,027	438.794,380	19,911	19,447	43	98.252	22.382,276	481.419,888	21,509	21,045
44	96.501	21.240,069	416.756,353	19,621	19,157	44	98.124	21.597,317	459.037,612	21,254	20,790
45	96.242	20.466,749	395.516,285	19,325	18,861	45	97.987	20.837,926	437.440,295	20,993	20,528
46	95.946	19.713,789	375.049,536	19,025	18,561	46	97.832	20.101,330	416.602,368	20,725	20,261
47	95.620	18.982,488	355.335,747	18,719	18,255	47	97.656	19.386,694	396.501,038	20,452	19,988
48	95.262	18.271,827	336.353,260	18,408	17,944	48	97.466	18.694,680	377.114,344	20,172	19,708
49	94.873	17.581,868	318.081,432	18,091	17,627	49	97.260	18.024,202	358.419,663	19,885	19,421

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Rente
nach der Sterbetafel 2002/2004**

Zinsfuß 3,50%

x	l _x	D _x	N _x	ä _x	⁽¹²⁾ ä _x	y	l _y	D _y	N _y	ä _y	⁽¹²⁾ ä _y
50	94.447	16.911,067	300.499,565	17,769	17,305	50	97.026	17.372,775	340.395,461	19,594	19,130
51	93.979	16.258,229	283.588,498	17,443	16,979	51	96.781	16.742,880	323.022,686	19,293	18,829
52	93.492	15.627,052	267.330,269	17,107	16,643	52	96.512	16.131,769	306.279,806	18,986	18,522
53	92.944	15.010,049	251.703,217	16,769	16,305	53	96.220	15.539,130	290.148,037	18,672	18,208
54	92.360	14.411,307	236.693,168	16,424	15,960	54	95.916	14.966,246	274.608,907	18,349	17,885
55	91.733	13.829,423	222.281,861	16,073	15,609	55	95.583	14.409,845	259.642,661	18,018	17,554
56	91.046	13.261,743	208.452,438	15,718	15,254	56	95.221	13.869,833	245.232,816	17,681	17,217
57	90.333	12.712,934	195.190,695	15,354	14,890	57	94.838	13.347,004	231.362,983	17,334	16,870
58	89.551	12.176,745	182.477,761	14,986	14,522	58	94.415	12.838,102	218.015,979	16,982	16,518
59	88.698	11.652,850	170.301,016	14,615	14,151	59	93.960	12.344,230	205.177,877	16,621	16,157
60	87.765	11.140,449	158.648,166	14,241	13,777	60	93.483	11.866,159	192.833,647	16,251	15,787
61	86.777	10.642,538	147.507,716	13,860	13,396	61	92.968	11.401,783	180.967,487	15,872	15,408
62	85.735	10.159,138	136.865,179	13,472	13,008	62	92.445	10.954,223	169.565,705	15,479	15,015
63	84.580	9.683,378	126.706,041	13,085	12,621	63	91.863	10.517,188	158.611,482	15,081	14,617
64	83.358	9.220,719	117.022,662	12,691	12,227	64	91.238	10.092,417	148.094,294	14,674	14,210
65	82.042	8.768,309	107.801,943	12,294	11,830	65	90.571	9.679,819	138.001,878	14,257	13,793
66	80.606	8.323,429	99.033,633	11,898	11,434	66	89.831	9.276,097	128.322,059	13,834	13,370
67	79.063	7.888,081	90.710,204	11,500	11,036	67	89.018	8.881,244	119.045,962	13,404	12,940
68	77.370	7.458,084	82.822,124	11,105	10,641	68	88.113	8.493,687	110.164,718	12,970	12,506
69	75.541	7.035,533	75.364,039	10,712	10,248	69	87.105	8.112,599	101.671,031	12,532	12,068
70	73.595	6.622,565	68.328,507	10,318	9,854	70	85.994	7.738,258	93.558,432	12,090	11,626
71	71.497	6.216,137	61.705,942	9,927	9,463	71	84.772	7.370,309	85.820,174	11,644	11,180
72	69.245	5.816,799	55.489,805	9,540	9,076	72	83.397	7.005,623	78.449,865	11,198	10,734
73	66.807	5.422,239	49.673,006	9,161	8,697	73	81.894	6.646,684	71.444,243	10,749	10,285
74	64.216	5.035,692	44.250,766	8,787	8,323	74	80.225	6.291,087	64.797,559	10,300	9,836
75	61.490	4.658,838	39.215,075	8,417	7,953	75	78.399	5.939,991	58.506,472	9,850	9,386
76	58.647	4.293,174	34.556,237	8,049	7,585	76	76.367	5.590,321	52.566,481	9,403	8,939
77	55.721	3.941,067	30.263,063	7,679	7,215	77	74.156	5.244,918	46.976,160	8,957	8,492
78	52.671	3.599,370	26.321,996	7,313	6,849	78	71.743	4.902,694	41.731,242	8,512	8,048
79	49.474	3.266,549	22.722,626	6,956	6,492	79	69.084	4.561,342	36.828,548	8,074	7,610
80	46.179	2.945,912	19.456,077	6,604	6,140	80	66.178	4.221,705	32.267,206	7,643	7,179
81	42.747	2.634,759	16.510,165	6,266	5,802	81	62.954	3.880,239	28.045,501	7,228	6,764
82	39.238	2.336,650	13.875,406	5,938	5,474	82	59.445	3.540,038	24.165,262	6,826	6,362
83	35.555	2.045,723	11.538,756	5,640	5,176	83	55.604	3.199,291	20.625,225	6,447	5,983
84	31.932	1.775,144	9.493,033	5,348	4,884	84	51.619	2.869,600	17.425,934	6,073	5,609
85	28.411	1.525,998	7.717,889	5,058	4,594	85	47.471	2.549,753	14.556,334	5,709	5,245
86	25.109	1.303,061	6.191,890	4,752	4,288	86	43.349	2.249,635	12.006,581	5,337	4,873
87	21.783	1.092,223	4.888,829	4,476	4,012	87	38.979	1.954,434	9.756,946	4,992	4,528
88	18.512	896,812	3.796,606	4,233	3,769	88	34.384	1.665,749	7.802,512	4,684	4,220
89	15.448	723,081	2.899,794	4,010	3,546	89	29.862	1.397,737	6.136,763	4,390	3,926
90	12.671	573,018	2.176,713	3,799	3,335	90	25.436	1.150,297	4.739,027	4,120	3,656
91	10.212	446,227	1.603,696	3,594	3,130	91	21.278	929,727	3.588,729	3,860	3,396
92	8.040	339,434	1.157,469	3,410	2,946	92	17.290	729,948	2.659,002	3,643	3,179
93	6.192	252,553	818,035	3,239	2,775	93	13.739	560,410	1.929,054	3,442	2,978
94	4.658	183,580	565,482	3,080	2,616	94	10.662	420,177	1.368,645	3,257	2,793
95	3.420	130,211	381,902	2,933	2,469	95	8.069	307,261	948,468	3,087	2,623
96	2.447	90,011	251,691	2,796	2,332	96	5.949	218,860	641,207	2,930	2,466
97	1.704	60,568	161,680	2,669	2,205	97	4.266	151,651	422,348	2,785	2,321
98	1.154	39,625	101,112	2,552	2,088	98	2.973	102,089	270,697	2,652	2,188
99	759	25,173	61,487	2,443	1,979	99	2.010	66,681	168,608	2,529	2,065
100	484	15,511	36,313	2,341	1,877	100	1316	42,204	101,927	2,415	1,951

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Rente
nach der Sterbetafel 2002/2004**

Zinsfuß 3,75%

x	l _x	D _x	N _x	ä _x	⁽¹²⁾ ä _x	y	l _y	D _y	N _y	ä _y	⁽¹²⁾ ä _y
0	100.000	100.000,000	2.560.141,877	25,601	25,137	0	100.000	100.000,000	2.602.719,785	26,027	25,563
1	99.544	95.945,802	2.460.141,877	25,641	25,177	1	99.620	96.019,572	2.502.719,785	26,065	25,600
2	99.504	92.440,521	2.364.196,075	25,575	25,111	2	99.585	92.515,840	2.406.700,212	26,014	25,550
3	99.484	89.081,359	2.271.755,553	25,502	25,038	3	99.565	89.154,263	2.314.184,373	25,957	25,493
4	99.465	85.845,888	2.182.674,194	25,425	24,961	4	99.548	85.917,070	2.225.030,109	25,897	25,433
5	99.452	82.731,928	2.096.828,306	25,345	24,880	5	99.535	82.800,938	2.139.113,039	25,834	25,370
6	99.438	79.730,698	2.014.096,378	25,261	24,797	6	99.522	79.797,701	2.056.312,101	25,769	25,305
7	99.427	76.839,909	1.934.365,680	25,174	24,710	7	99.513	76.906,359	1.976.514,400	25,700	25,236
8	99.415	74.053,418	1.857.525,771	25,084	24,619	8	99.504	74.120,156	1.899.608,041	25,629	25,164
9	99.403	71.368,301	1.783.472,354	24,990	24,525	9	99.495	71.434,256	1.825.487,885	25,555	25,090
10	99.393	68.782,287	1.712.104,053	24,892	24,427	10	99.488	68.847,846	1.754.053,629	25,477	25,013
11	99.384	66.289,950	1.643.321,766	24,790	24,325	11	99.480	66.353,789	1.685.205,783	25,397	24,933
12	99.370	63.884,697	1.577.031,816	24,686	24,221	12	99.470	63.949,462	1.618.851,994	25,315	24,850
13	99.357	61.567,570	1.513.147,119	24,577	24,113	13	99.462	61.632,801	1.554.902,532	25,228	24,764
14	99.344	59.334,542	1.451.579,548	24,464	24,000	14	99.452	59.399,353	1.493.269,732	25,139	24,675
15	99.326	57.179,369	1.392.245,006	24,349	23,884	15	99.441	57.245,717	1.433.870,378	25,048	24,583
16	99.302	55.099,645	1.335.065,637	24,230	23,766	16	99.423	55.166,737	1.376.624,661	24,954	24,489
17	99.264	53.087,750	1.279.965,992	24,110	23,646	17	99.402	53.161,498	1.321.457,924	24,857	24,393
18	99.214	51.142,980	1.226.878,242	23,989	23,525	18	99.380	51.228,724	1.268.296,426	24,758	24,293
19	99.139	49.257,049	1.175.735,262	23,869	23,405	19	99.352	49.362,883	1.217.067,702	24,656	24,191
20	99.059	47.438,436	1.126.478,213	23,746	23,282	20	99.324	47.565,493	1.167.704,820	24,549	24,085
21	98.983	45.689,031	1.079.039,777	23,617	23,153	21	99.293	45.831,778	1.120.139,326	24,440	23,976
22	98.906	44.003,091	1.033.350,746	23,484	23,019	22	99.268	44.164,399	1.074.307,549	24,325	23,861
23	98.831	42.380,640	989.347,655	23,344	22,880	23	99.241	42.556,571	1.030.143,150	24,206	23,742
24	98.758	40.818,532	946.967,014	23,199	22,735	24	99.216	41.007,679	987.586,579	24,083	23,619
25	98.686	39.314,617	906.148,482	23,049	22,584	25	99.189	39.514,736	946.578,900	23,955	23,491
26	98.614	37.865,889	866.833,865	22,892	22,428	26	99.164	38.077,121	907.064,164	23,822	23,357
27	98.544	36.471,141	828.967,976	22,729	22,265	27	99.136	36.690,564	868.987,044	23,684	23,220
28	98.473	35.127,767	792.496,835	22,560	22,096	28	99.108	35.354,093	832.296,479	23,542	23,077
29	98.401	33.833,202	757.369,067	22,385	21,921	29	99.078	34.066,120	796.942,386	23,394	22,930
30	98.331	32.587,379	723.535,865	22,203	21,739	30	99.049	32.825,203	762.876,267	23,241	22,776
31	98.260	31.386,575	690.948,486	22,014	21,550	31	99.017	31.628,391	730.051,063	23,082	22,618
32	98.182	30.228,231	659.561,911	21,819	21,355	32	98.981	30.474,306	698.422,673	22,918	22,454
33	98.102	29.111,775	629.333,679	21,618	21,153	33	98.946	29.362,381	667.948,366	22,748	22,284
34	98.016	28.034,928	600.221,904	21,410	20,945	34	98.907	28.289,782	638.585,985	22,573	22,109
35	97.922	26.995,810	572.186,976	21,195	20,731	35	98.860	27.254,476	610.296,203	22,393	21,928
36	97.819	25.992,828	545.191,166	20,975	20,510	36	98.810	26.255,926	583.041,727	22,206	21,742
37	97.709	25.025,047	519.198,338	20,747	20,283	37	98.754	25.292,607	556.785,801	22,014	21,549
38	97.591	24.091,386	494.173,292	20,512	20,048	38	98.693	24.363,467	531.493,194	21,815	21,351
39	97.457	23.188,616	470.081,906	20,272	19,808	39	98.624	23.466,433	507.129,727	21,611	21,146
40	97.306	22.316,025	446.893,290	20,026	19,561	40	98.545	22.600,148	483.663,295	21,401	20,936
41	97.139	21.472,378	424.577,265	19,773	19,309	41	98.459	21.764,324	461.063,147	21,184	20,720
42	96.954	20.656,952	403.104,887	19,514	19,050	42	98.362	20.956,926	439.298,822	20,962	20,498
43	96.740	19.866,402	382.447,935	19,251	18,787	43	98.252	20.176,729	418.341,897	20,734	20,269
44	96.501	19.100,937	362.581,533	18,982	18,518	44	98.124	19.422,206	398.165,168	20,501	20,036
45	96.242	18.361,149	343.480,596	18,707	18,242	45	97.987	18.694,140	378.742,962	20,260	19,796
46	95.946	17.643,037	325.119,447	18,428	17,963	46	97.832	17.989,871	360.048,822	20,014	19,550
47	95.620	16.947,616	307.476,411	18,143	17,678	47	97.656	17.308,493	342.058,951	19,762	19,298
48	95.262	16.273,828	290.528,795	17,853	17,388	48	97.466	16.650,442	324.750,458	19,504	19,040
49	94.873	15.621,581	274.254,967	17,556	17,092	49	97.260	16.014,597	308.100,016	19,239	18,774

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Rente
nach der Sterbetafel 2002/2004**

Zinsfuß 3,75%

x	l _x	D _x	N _x	ä _x	⁽¹²⁾ ä _x	y	l _y	D _y	N _y	ä _y	⁽¹²⁾ ä _y
50	94.447	14.989,365	258.633,386	17,254	16,790	50	97.026	15.398,607	292.085,419	18,968	18,504
51	93.979	14.375,988	243.644,021	16,948	16,484	51	96.781	14.804,530	276.686,812	18,689	18,225
52	93.492	13.784,587	229.268,033	16,632	16,168	52	96.512	14.229,797	261.882,282	18,404	17,939
53	92.944	13.208,426	215.483,446	16,314	15,850	53	96.220	13.674,002	247.652,485	18,111	17,647
54	92.360	12.650,991	202.275,020	15,989	15,524	54	95.916	13.138,146	233.978,482	17,809	17,345
55	91.733	12.110,930	189.624,029	15,657	15,193	55	95.583	12.619,227	220.840,337	17,500	17,036
56	91.046	11.585,807	177.513,098	15,322	14,857	56	95.221	12.117,050	208.221,110	17,184	16,720
57	90.333	11.079,590	165.927,291	14,976	14,512	57	94.838	11.632,196	196.104,059	16,859	16,394
58	89.551	10.586,719	154.847,700	14,627	14,162	58	94.415	11.161,717	184.471,863	16,527	16,063
59	88.698	10.106,821	144.260,981	14,274	13,809	59	93.960	10.706,473	173.310,146	16,187	15,723
60	87.765	9.639,120	134.154,160	13,918	13,453	60	93.483	10.267,030	162.603,673	15,837	15,373
61	86.777	9.186,120	124.515,040	13,555	13,090	61	92.968	9.841,463	152.336,643	15,479	15,015
62	85.735	8.747,743	115.328,920	13,184	12,719	62	92.445	9.432,368	142.495,180	15,107	14,643
63	84.580	8.317,988	106.581,178	12,813	12,349	63	91.863	9.034,227	133.062,812	14,729	14,264
64	83.358	7.901,480	98.263,189	12,436	11,972	64	91.238	8.648,461	124.028,585	14,341	13,877
65	82.042	7.495,692	90.361,709	12,055	11,591	65	90.571	8.274,907	115.380,124	13,943	13,479
66	80.606	7.098,236	82.866,017	11,674	11,210	66	89.831	7.910,673	107.105,217	13,539	13,075
67	79.063	6.710,760	75.767,781	11,290	10,826	67	89.018	7.555,691	99.194,544	13,128	12,664
68	77.370	6.329,653	69.057,021	10,910	10,446	68	88.113	7.208,566	91.638,854	12,712	12,248
69	75.541	5.956,647	62.727,368	10,531	10,066	69	87.105	6.868,547	84.430,288	12,292	11,828
70	73.595	5.593,496	56.770,721	10,149	9,685	70	85.994	6.535,823	77.561,741	11,867	11,403
71	71.497	5.237,571	51.177,225	9,771	9,307	71	84.772	6.210,049	71.025,918	11,437	10,973
72	69.245	4.889,288	45.939,654	9,396	8,932	72	83.397	5.888,550	64.815,868	11,007	10,543
73	66.807	4.546,661	41.050,366	9,029	8,564	73	81.894	5.573,383	58.927,319	10,573	10,109
74	64.216	4.212,357	36.503,705	8,666	8,201	74	80.225	5.262,496	53.353,936	10,139	9,674
75	61.490	3.887,728	32.291,348	8,306	7,842	75	78.399	4.956,831	48.091,440	9,702	9,238
76	58.647	3.573,954	28.403,619	7,947	7,483	76	76.367	4.653,796	43.134,609	9,269	8,804
77	55.721	3.272,930	24.829,665	7,586	7,122	77	74.156	4.355,736	38.480,813	8,835	8,370
78	52.671	2.981,958	21.556,735	7,229	6,765	78	71.743	4.061,718	34.125,077	8,402	7,937
79	49.474	2.699,706	18.574,777	6,880	6,416	79	69.084	3.769,814	30.063,359	7,975	7,510
80	46.179	2.428,842	15.875,071	6,536	6,072	80	66.178	3.480,706	26.293,544	7,554	7,090
81	42.747	2.167,069	13.446,229	6,205	5,740	81	62.954	3.191,466	22.812,838	7,148	6,684
82	39.238	1.917,246	11.279,160	5,883	5,419	82	59.445	2.904,637	19.621,372	6,755	6,291
83	35.555	1.674,493	9.361,914	5,591	5,126	83	55.604	2.618,726	16.716,734	6,384	5,919
84	31.932	1.449,513	7.687,422	5,303	4,839	84	51.619	2.343,203	14.098,009	6,017	5,552
85	28.411	1.243,068	6.237,909	5,018	4,554	85	47.471	2.077,012	11.754,806	5,659	5,195
86	25.109	1.058,907	4.994,841	4,717	4,253	86	43.349	1.828,121	9.677,794	5,294	4,829
87	21.783	885,435	3.935,934	4,445	3,981	87	38.979	1.584,405	7.849,673	4,954	4,490
88	18.512	725,269	3.050,499	4,206	3,742	88	34.384	1.347,122	6.265,268	4,651	4,186
89	15.448	583,360	2.325,230	3,986	3,522	89	29.862	1.127,652	4.918,145	4,361	3,897
90	12.671	461,179	1.741,871	3,777	3,313	90	25.436	925,789	3.790,493	4,094	3,630
91	10.212	358,270	1.280,691	3,575	3,110	91	21.278	746,465	2.864,704	3,838	3,373
92	8.040	271,870	922,421	3,393	2,928	92	17.290	584,653	2.118,239	3,623	3,159
93	6.192	201,796	650,551	3,224	2,759	93	13.739	447,780	1.533,586	3,425	2,960
94	4.658	146,331	448,756	3,067	2,602	94	10.662	334,922	1.085,806	3,242	2,778
95	3.420	103,541	302,425	2,921	2,456	95	8.069	244,326	750,884	3,073	2,609
96	2.447	71,402	198,884	2,785	2,321	96	5.949	173,613	506,558	2,918	2,453
97	1.704	47,930	127,482	2,660	2,195	97	4.266	120,008	332,946	2,774	2,310
98	1.154	31,281	79,551	2,543	2,079	98	2.973	80,593	212,937	2,642	2,178
99	759	19,825	48,270	2,435	1,970	99	2.010	52,514	132,344	2,520	2,056
100	484	12,186	28,445	2,334	1,870	100	1316	33,157	79,830	2,408	1,943

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Rente
nach der Sterbetafel 2002/2004**

Zinsfuß 4,00%

x	l _x	D _x	N _x	ä _x	⁽¹²⁾ ä _x	y	l _y	D _y	N _y	ä _y	⁽¹²⁾ ä _y
0	100.000	100.000,000	2.432.546,053	24,325	23,861	0	100.000	100.000,000	2.469.065,910	24,691	24,226
1	99.544	95.715,163	2.332.546,053	24,370	23,905	1	99.620	95.788,756	2.369.065,910	24,732	24,267
2	99.504	91.996,630	2.236.830,890	24,314	23,849	2	99.585	92.071,587	2.273.277,153	24,690	24,226
3	99.484	88.440,489	2.144.834,260	24,252	23,787	3	99.565	88.512,868	2.181.205,567	24,643	24,178
4	99.465	85.023,418	2.056.393,771	24,186	23,721	4	99.548	85.093,919	2.092.692,699	24,593	24,128
5	99.452	81.742,323	1.971.370,353	24,117	23,652	5	99.535	81.810,508	2.007.598,780	24,540	24,075
6	99.438	78.587,625	1.889.628,029	24,045	23,580	6	99.522	78.653,667	1.925.788,272	24,484	24,020
7	99.427	75.556,217	1.811.040,405	23,969	23,505	7	99.513	75.621,557	1.847.134,605	24,426	23,961
8	99.415	72.641,238	1.735.484,188	23,891	23,426	8	99.504	72.706,703	1.771.513,049	24,365	23,900
9	99.403	69.839,039	1.662.842,950	23,810	23,345	9	99.495	69.903,580	1.698.806,346	24,302	23,837
10	99.393	67.146,638	1.593.003,912	23,724	23,259	10	99.488	67.210,638	1.628.902,765	24,236	23,771
11	99.384	64.558,008	1.525.857,274	23,635	23,171	11	99.480	64.620,179	1.561.692,127	24,167	23,702
12	99.370	62.066,039	1.461.299,266	23,544	23,079	12	99.470	62.128,961	1.497.071,948	24,096	23,631
13	99.357	59.671,091	1.399.233,227	23,449	22,984	13	99.462	59.734,312	1.434.942,988	24,022	23,557
14	99.344	57.368,609	1.339.562,136	23,350	22,885	14	99.452	57.431,273	1.375.208,676	23,945	23,480
15	99.326	55.151,947	1.282.193,527	23,248	22,784	15	99.441	55.215,943	1.317.777,403	23,866	23,401
16	99.302	53.018,209	1.227.041,580	23,144	22,679	16	99.423	53.082,767	1.262.561,460	23,785	23,320
17	99.264	50.959,522	1.174.023,370	23,038	22,574	17	99.402	51.030,313	1.209.478,693	23,701	23,236
18	99.214	48.974,704	1.123.063,849	22,932	22,467	18	99.380	49.056,813	1.158.448,380	23,614	23,150
19	99.139	47.055,343	1.074.089,144	22,826	22,361	19	99.352	47.156,446	1.109.391,568	23,526	23,061
20	99.059	45.209,081	1.027.033,801	22,717	22,253	20	99.324	45.330,168	1.062.235,121	23,433	22,968
21	98.983	43.437,222	981.824,720	22,603	22,138	21	99.293	43.572,933	1.016.904,954	23,338	22,873
22	98.906	41.733,810	938.387,498	22,485	22,020	22	99.268	41.886,800	973.332,021	23,237	22,772
23	98.831	40.098,408	896.653,688	22,361	21,897	23	99.241	40.264,865	931.445,221	23,133	22,668
24	98.758	38.527,584	856.555,280	22,232	21,767	24	99.216	38.706,115	891.180,357	23,024	22,559
25	98.686	37.018,874	818.027,696	22,098	21,633	25	99.189	37.207,307	852.474,242	22,911	22,447
26	98.614	35.569,035	781.008,822	21,958	21,493	26	99.164	35.767,453	815.266,936	22,794	22,329
27	98.544	34.176,535	745.439,788	21,811	21,347	27	99.136	34.382,154	779.499,482	22,672	22,207
28	98.473	32.838,552	711.263,252	21,659	21,195	28	99.108	33.050,128	745.117,329	22,545	22,080
29	98.401	31.552,322	678.424,700	21,502	21,037	29	99.078	31.769,537	712.067,201	22,414	21,949
30	98.331	30.317,432	646.872,379	21,337	20,872	30	99.049	30.538,690	680.297,664	22,277	21,812
31	98.260	29.130,080	616.554,946	21,166	20,701	31	99.017	29.354,511	649.758,974	22,135	21,670
32	98.182	27.987,574	587.424,866	20,989	20,524	32	98.981	28.215,409	620.404,463	21,988	21,523
33	98.102	26.889,082	559.437,292	20,805	20,341	33	98.946	27.120,554	592.189,054	21,835	21,371
34	98.016	25.832,206	532.548,211	20,616	20,151	34	98.907	26.067,036	565.068,500	21,678	21,213
35	97.922	24.814,937	506.716,004	20,420	19,955	35	98.860	25.052,707	539.001,464	21,515	21,050
36	97.819	23.835,546	481.901,068	20,218	19,753	36	98.810	24.076,808	513.948,758	21,346	20,881
37	97.709	22.892,923	458.065,522	20,009	19,544	37	98.754	23.137,687	489.871,949	21,172	20,707
38	97.591	21.985,831	435.172,599	19,793	19,328	38	98.693	22.234,133	466.734,263	20,992	20,527
39	97.457	21.111,092	413.186,768	19,572	19,107	39	98.624	21.364,019	444.500,130	20,806	20,341
40	97.306	20.267,841	392.075,675	19,345	18,880	40	98.545	20.525,887	423.136,111	20,615	20,150
41	97.139	19.454,746	371.807,835	19,111	18,647	41	98.459	19.719,259	402.610,224	20,417	19,952
42	96.954	18.670,950	352.353,089	18,872	18,407	42	98.362	18.942,084	382.890,965	20,214	19,749
43	96.740	17.913,241	333.682,139	18,628	18,163	43	98.252	18.193,058	363.948,882	20,005	19,540
44	96.501	17.181,631	315.768,899	18,378	17,913	44	98.124	17.470,618	345.755,824	19,791	19,326
45	96.242	16.476,476	298.587,268	18,122	17,657	45	97.987	16.775,287	328.285,206	19,570	19,105
46	95.946	15.794,016	282.110,792	17,862	17,397	46	97.832	16.104,501	311.509,919	19,343	18,878
47	95.620	15.135,007	266.316,776	17,596	17,131	47	97.656	15.457,287	295.405,417	19,111	18,646
48	95.262	14.498,347	251.181,769	17,325	16,860	48	97.466	14.833,873	279.948,131	18,872	18,407
49	94.873	13.883,806	236.683,422	17,047	16,583	49	97.260	14.233,102	265.114,258	18,627	18,162

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Rente
nach der Sterbetafel 2002/2004**

Zinsfuß 4,00%

x	l _x	D _x	N _x	ä _x	⁽¹²⁾ ä _x	y	l _y	D _y	N _y	ä _y	⁽¹²⁾ ä _y
50	94.447	13.289,895	222.799,617	16,765	16,300	50	97.026	13.652,737	250.881,156	18,376	17,911
51	93.979	12.715,422	209.509,722	16,477	16,012	51	96.781	13.094,463	237.228,419	18,117	17,652
52	93.492	12.163,025	196.794,301	16,180	15,715	52	96.512	12.555,862	224.133,956	17,851	17,386
53	92.944	11.626,625	184.631,276	15,880	15,415	53	96.220	12.036,446	211.578,093	17,578	17,113
54	92.360	11.109,178	173.004,650	15,573	15,108	54	95.916	11.536,961	199.541,648	17,296	16,831
55	91.733	10.609,371	161.895,472	15,260	14,795	55	95.583	11.054,647	188.004,686	17,007	16,542
56	91.046	10.124,957	151.286,101	14,942	14,477	56	95.221	10.589,216	176.950,039	16,710	16,246
57	90.333	9.659,294	141.161,144	14,614	14,149	57	94.838	10.141,061	166.360,823	16,405	15,940
58	89.551	9.207,417	131.501,850	14,282	13,817	58	94.415	9.707,501	156.219,762	16,093	15,628
59	88.698	8.768,914	122.294,433	13,946	13,482	59	93.960	9.289,185	146.512,261	15,772	15,308
60	87.765	8.343,021	113.525,519	13,607	13,142	60	93.483	8.886,501	137.223,076	15,442	14,977
61	86.777	7.931,820	105.182,498	13,261	12,796	61	92.968	8.497,680	128.336,575	15,103	14,638
62	85.735	7.535,143	97.250,678	12,906	12,441	62	92.445	8.124,866	119.838,894	14,750	14,285
63	84.580	7.147,737	89.715,535	12,552	12,087	63	91.863	7.763,209	111.714,028	14,390	13,925
64	83.358	6.773,505	82.567,798	12,190	11,725	64	91.238	7.413,851	103.950,819	14,021	13,556
65	82.042	6.410,200	75.794,293	11,824	11,359	65	90.571	7.076,572	96.536,968	13,642	13,177
66	80.606	6.055,709	69.384,093	11,458	10,993	66	89.831	6.748,822	89.460,396	13,256	12,791
67	79.063	5.711,380	63.328,385	11,088	10,623	67	89.018	6.430,481	82.711,574	12,862	12,398
68	77.370	5.374,078	57.617,005	10,721	10,256	68	88.113	6.120,304	76.281,093	12,464	11,999
69	75.541	5.045,227	52.242,926	10,355	9,890	69	87.105	5.817,598	70.160,789	12,060	11,595
70	73.595	4.726,253	47.197,699	9,986	9,521	70	85.994	5.522,477	64.343,191	11,651	11,186
71	71.497	4.414,874	42.471,446	9,620	9,155	71	84.772	5.234,599	58.820,714	11,237	10,772
72	69.245	4.111,391	38.056,572	9,256	8,792	72	83.397	4.951,668	53.586,115	10,822	10,357
73	66.807	3.814,086	33.945,181	8,900	8,435	73	81.894	4.675,378	48.634,447	10,402	9,937
74	64.216	3.525,152	30.131,095	8,547	8,083	74	80.225	4.403,971	43.959,068	9,982	9,517
75	61.490	3.245,663	26.605,943	8,197	7,733	75	78.399	4.138,201	39.555,097	9,559	9,094
76	58.647	2.976,537	23.360,280	7,848	7,383	76	76.367	3.875,873	35.416,896	9,138	8,673
77	55.721	2.719,278	20.383,743	7,496	7,031	77	74.156	3.618,916	31.541,023	8,716	8,251
78	52.671	2.471,572	17.664,465	7,147	6,682	78	71.743	3.366,523	27.922,107	8,294	7,829
79	49.474	2.232,251	15.192,893	6,806	6,341	79	69.084	3.117,070	24.555,584	7,878	7,413
80	46.179	2.003,460	12.960,642	6,469	6,004	80	66.178	2.871,102	21.438,514	7,467	7,002
81	42.747	1.783,236	10.957,183	6,145	5,680	81	62.954	2.626,191	18.567,412	7,070	6,605
82	39.238	1.573,869	9.173,947	5,829	5,364	82	59.445	2.384,420	15.941,221	6,686	6,221
83	35.555	1.371,288	7.600,078	5,542	5,077	83	55.604	2.144,547	13.556,801	6,322	5,857
84	31.932	1.184,193	6.228,789	5,260	4,795	84	51.619	1.914,301	11.412,254	5,962	5,497
85	28.411	1.013,094	5.044,596	4,979	4,515	85	47.471	1.692,755	9.497,953	5,611	5,146
86	25.109	860,930	4.031,502	4,683	4,218	86	43.349	1.486,329	7.805,198	5,251	4,787
87	21.783	718,160	3.170,572	4,415	3,950	87	38.979	1.285,082	6.318,869	4,917	4,452
88	18.512	586,838	2.452,412	4,179	3,714	88	34.384	1.090,000	5.033,787	4,618	4,153
89	15.448	470,881	1.865,574	3,962	3,497	89	29.862	910,226	3.943,787	4,333	3,868
90	12.671	371,363	1.394,694	3,756	3,291	90	25.436	745,489	3.033,561	4,069	3,604
91	10.212	287,802	1.023,330	3,556	3,091	91	21.278	599,644	2.288,073	3,816	3,351
92	8.040	217,871	735,528	3,376	2,911	92	17.290	468,529	1.688,429	3,604	3,139
93	6.192	161,326	517,657	3,209	2,744	93	13.739	357,979	1.219,899	3,408	2,943
94	4.658	116,704	356,331	3,053	2,588	94	10.662	267,111	861,920	3,227	2,762
95	3.420	82,379	239,627	2,909	2,444	95	8.069	194,390	594,810	3,060	2,595
96	2.447	56,672	157,249	2,775	2,310	96	5.949	137,797	400,420	2,906	2,441
97	1.704	37,951	100,577	2,650	2,185	97	4.266	95,022	262,623	2,764	2,299
98	1.154	24,709	62,626	2,535	2,070	98	2.973	63,660	167,601	2,633	2,168
99	759	15,622	37,917	2,427	1,962	99	2.010	41,381	103,942	2,512	2,047
100	484	9,579	22,295	2,327	1,863	100	1316	26,065	62,561	2,400	1,935

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Rente
nach der Sterbetafel 2002/2004**

Zinsfuß 4,25%

x	l _x	D _x	N _x	ä _x	⁽¹²⁾ ä _x	y	l _y	D _y	N _y	ä _y	⁽¹²⁾ ä _y
0	100.000	100.000,000	2.316.056,837	23,161	22,695	0	100.000	100.000,000	2.347.468,410	23,475	23,009
1	99.544	95.485,630	2.216.056,837	23,208	22,743	1	99.620	95.559,047	2.247.468,410	23,519	23,054
2	99.504	91.555,928	2.120.571,206	23,161	22,696	2	99.585	91.630,526	2.151.909,363	23,485	23,019
3	99.484	87.805,751	2.029.015,278	23,108	22,643	3	99.565	87.877,611	2.060.278,837	23,445	22,980
4	99.465	84.210,775	1.941.209,527	23,052	22,587	4	99.548	84.280,601	1.972.401,226	23,403	22,938
5	99.452	80.766,889	1.856.998,752	22,992	22,527	5	99.535	80.834,260	1.888.120,625	23,358	22,893
6	99.438	77.463,625	1.776.231,863	22,930	22,465	6	99.522	77.528,722	1.807.286,365	23,311	22,846
7	99.427	74.296,975	1.698.768,238	22,865	22,399	7	99.513	74.361,226	1.729.757,642	23,262	22,796
8	99.415	71.259,282	1.624.471,263	22,797	22,331	8	99.504	71.323,501	1.655.396,416	23,210	22,744
9	99.403	68.346,099	1.553.211,981	22,726	22,260	9	99.495	68.409,261	1.584.072,914	23,156	22,691
10	99.393	65.553,672	1.484.865,882	22,651	22,186	10	99.488	65.616,154	1.515.663,653	23,099	22,634
11	99.384	62.875,312	1.419.312,210	22,573	22,108	11	99.480	62.935,863	1.450.047,498	23,040	22,575
12	99.370	60.303,336	1.356.436,898	22,494	22,028	12	99.470	60.364,470	1.387.111,636	22,979	22,514
13	99.357	57.837,373	1.296.133,561	22,410	21,945	13	99.462	57.898,651	1.326.747,165	22,915	22,450
14	99.344	55.472,301	1.238.296,188	22,323	21,858	14	99.452	55.532,893	1.268.848,514	22,849	22,383
15	99.326	53.201,023	1.182.823,887	22,233	21,768	15	99.441	53.262,755	1.213.315,621	22,780	22,315
16	99.302	51.020,119	1.129.622,864	22,141	21,676	16	99.423	51.082,243	1.160.052,866	22,710	22,244
17	99.264	48.921,417	1.078.602,745	22,048	21,582	17	99.402	48.989,377	1.108.970,622	22,637	22,172
18	99.214	46.903,234	1.029.681,328	21,953	21,488	18	99.380	46.981,869	1.059.981,245	22,561	22,096
19	99.139	44.956,985	982.778,094	21,860	21,395	19	99.352	45.053,580	1.012.999,376	22,484	22,019
20	99.059	43.089,474	937.821,109	21,765	21,299	20	99.324	43.204,884	967.945,796	22,404	21,938
21	98.983	41.301,405	894.731,635	21,663	21,198	21	99.293	41.430,443	924.740,912	22,320	21,855
22	98.906	39.586,591	853.430,230	21,559	21,093	22	99.268	39.731,709	883.310,469	22,232	21,767
23	98.831	37.944,119	813.843,639	21,448	20,983	23	99.241	38.101,632	843.578,760	22,140	21,675
24	98.758	36.370,259	775.899,520	21,333	20,868	24	99.216	36.538,793	805.477,128	22,044	21,579
25	98.686	34.862,224	739.529,261	21,213	20,748	25	99.189	35.039,680	768.938,335	21,945	21,480
26	98.614	33.416,522	704.667,037	21,087	20,622	26	99.164	33.602,933	733.898,656	21,840	21,375
27	98.544	32.031,293	671.250,515	20,956	20,491	27	99.136	32.224,005	700.295,723	21,732	21,267
28	98.473	30.703,488	639.219,222	20,819	20,354	28	99.108	30.901,308	668.071,718	21,620	21,154
29	98.401	29.430,139	608.515,733	20,677	20,211	29	99.078	29.632,745	637.170,409	21,502	21,037
30	98.331	28.210,494	579.085,594	20,527	20,062	30	99.049	28.416,375	607.537,665	21,380	20,915
31	98.260	27.040,656	550.875,101	20,372	19,907	31	99.017	27.248,989	579.121,290	21,253	20,788
32	98.182	25.917,796	523.834,445	20,211	19,746	32	98.981	26.128,782	551.872,301	21,121	20,656
33	98.102	24.840,828	497.916,648	20,044	19,579	33	98.946	25.054,668	525.743,519	20,984	20,519
34	98.016	23.807,230	473.075,820	19,871	19,406	34	98.907	24.023,651	500.688,851	20,841	20,376
35	97.922	22.814,861	449.268,590	19,692	19,227	35	98.860	23.033,466	476.665,199	20,694	20,229
36	97.819	21.861,856	426.453,730	19,507	19,042	36	98.810	22.083,141	453.631,733	20,542	20,077
37	97.709	20.946,933	404.591,874	19,315	18,850	37	98.754	21.170,891	431.548,592	20,384	19,919
38	97.591	20.068,706	383.644,941	19,117	18,651	38	98.693	20.295,356	410.377,701	20,220	19,755
39	97.457	19.224,031	363.576,235	18,913	18,447	39	98.624	19.454,349	390.082,346	20,051	19,586
40	97.306	18.411,896	344.352,204	18,703	18,237	40	98.545	18.646,312	370.627,996	19,877	19,412
41	97.139	17.630,875	325.940,308	18,487	18,022	41	98.459	17.870,590	351.981,684	19,696	19,231
42	96.954	16.879,982	308.309,434	18,265	17,800	42	98.362	17.125,108	334.111,094	19,510	19,045
43	96.740	16.156,118	291.429,451	18,038	17,573	43	98.252	16.408,487	316.985,986	19,318	18,853
44	96.501	15.459,111	275.273,333	17,807	17,341	44	98.124	15.719,126	300.577,498	19,122	18,657
45	96.242	14.789,100	259.814,223	17,568	17,103	45	97.987	15.057,309	284.858,372	18,918	18,453
46	95.946	14.142,535	245.025,123	17,325	16,860	46	97.832	14.420,555	269.801,063	18,709	18,244
47	95.620	13.519,934	230.882,588	17,077	16,612	47	97.656	13.807,823	255.380,508	18,495	18,030
48	95.262	12.920,155	217.362,654	16,824	16,358	48	97.466	13.219,158	241.572,685	18,274	17,809
49	94.873	12.342,838	204.442,499	16,564	16,098	49	97.260	12.653,366	228.353,528	18,047	17,582

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Rente
nach der Sterbetafel 2002/2004**

Zinsfuß 4,25%

x	l _x	D _x	N _x	ä _x	⁽¹²⁾ ä _x	y	l _y	D _y	N _y	ä _y	⁽¹²⁾ ä _y
50	94.447	11.786,512	192.099,661	16,298	15,833	50	97.026	12.108,310	215.700,162	17,814	17,349
51	93.979	11.249,982	180.313,149	16,028	15,563	51	96.781	11.585,339	203.591,852	17,573	17,108
52	93.492	10.735,442	169.063,167	15,748	15,283	52	96.512	11.082,172	192.006,513	17,326	16,860
53	92.944	10.237,391	158.327,725	15,466	15,000	53	96.220	10.598,243	180.924,341	17,071	16,606
54	92.360	9.758,314	148.090,334	15,176	14,711	54	95.916	10.134,080	170.326,098	16,807	16,342
55	91.733	9.296,935	138.332,020	14,879	14,414	55	95.583	9.687,128	160.192,018	16,537	16,071
56	91.046	8.851,169	129.035,084	14,578	14,113	56	95.221	9.257,021	150.504,890	16,258	15,793
57	90.333	8.423,840	120.183,915	14,267	13,802	57	94.838	8.843,987	141.247,869	15,971	15,506
58	89.551	8.010,503	111.760,076	13,952	13,486	58	94.415	8.445,579	132.403,882	15,677	15,212
59	88.698	7.610,708	103.749,572	13,632	13,167	59	93.960	8.062,262	123.958,303	15,375	14,910
60	87.765	7.223,703	96.138,864	13,309	12,844	60	93.483	7.694,269	115.896,041	15,063	14,597
61	86.777	6.851,200	88.915,161	12,978	12,513	61	92.968	7.339,969	108.201,773	14,741	14,276
62	85.735	6.492,958	82.063,961	12,639	12,174	62	92.445	7.001,117	100.861,804	14,407	13,941
63	84.580	6.144,364	75.571,003	12,299	11,834	63	91.863	6.673,438	93.860,687	14,065	13,600
64	83.358	5.808,702	69.426,639	11,952	11,487	64	91.238	6.357,838	87.187,249	13,713	13,248
65	82.042	5.483,962	63.617,937	11,601	11,136	65	90.571	6.054,048	80.829,411	13,351	12,886
66	80.606	5.168,270	58.133,975	11,248	10,783	66	89.831	5.759,810	74.775,363	12,982	12,517
67	79.063	4.862,712	52.965,705	10,892	10,427	67	89.018	5.474,960	69.015,553	12,606	12,140
68	77.370	4.564,558	48.102,993	10,538	10,073	68	88.113	5.198,376	63.540,593	12,223	11,758
69	75.541	4.274,967	43.538,435	10,185	9,719	69	87.105	4.929,419	58.342,216	11,836	11,370
70	73.595	3.995,087	39.263,468	9,828	9,363	70	85.994	4.668,133	53.412,797	11,442	10,977
71	71.497	3.722,930	35.268,381	9,473	9,008	71	84.772	4.414,180	48.744,664	11,043	10,578
72	69.245	3.458,698	31.545,451	9,121	8,655	72	83.397	4.165,579	44.330,485	10,642	10,177
73	66.807	3.200,896	28.086,753	8,775	8,309	73	81.894	3.923,719	40.164,906	10,236	9,771
74	64.216	2.951,320	24.885,857	8,432	7,967	74	80.225	3.687,083	36.241,187	9,829	9,364
75	61.490	2.710,810	21.934,537	8,092	7,626	75	78.399	3.456,267	32.554,104	9,419	8,954
76	58.647	2.480,071	19.223,727	7,751	7,286	76	76.367	3.229,405	29.097,837	9,010	8,545
77	55.721	2.260,288	16.743,656	7,408	6,943	77	74.156	3.008,076	25.868,433	8,600	8,134
78	52.671	2.049,467	14.483,367	7,067	6,602	78	71.743	2.791,573	22.860,357	8,189	7,724
79	49.474	1.846,578	12.433,901	6,733	6,268	79	69.084	2.578,525	20.068,783	7,783	7,318
80	46.179	1.653,342	10.587,322	6,404	5,938	80	66.178	2.369,358	17.490,259	7,382	6,917
81	42.747	1.468,074	8.933,980	6,086	5,620	81	62.954	2.162,049	15.120,901	6,994	6,529
82	39.238	1.292,603	7.465,906	5,776	5,311	82	59.445	1.958,301	12.958,851	6,617	6,152
83	35.555	1.123,525	6.173,303	5,495	5,029	83	55.604	1.757,072	11.000,551	6,261	5,796
84	31.932	967,907	5.049,778	5,217	4,752	84	51.619	1.564,665	9.243,479	5,908	5,442
85	28.411	826,073	4.081,871	4,941	4,476	85	47.471	1.380,265	7.678,814	5,563	5,098
86	25.109	700,315	3.255,798	4,649	4,184	86	43.349	1.209,040	6.298,549	5,210	4,744
87	21.783	582,779	2.555,483	4,385	3,920	87	38.979	1.042,831	5.089,509	4,880	4,415
88	18.512	475,071	1.972,704	4,152	3,687	88	34.384	882,402	4.046,678	4,586	4,121
89	15.448	380,284	1.497,633	3,938	3,473	89	29.862	735,101	3.164,276	4,305	3,839
90	12.671	299,195	1.117,349	3,735	3,269	90	25.436	600,614	2.429,175	4,044	3,579
91	10.212	231,316	818,154	3,537	3,072	91	21.278	481,954	1.828,561	3,794	3,329
92	8.040	174,690	586,838	3,359	2,894	92	17.290	375,670	1.346,607	3,585	3,119
93	6.192	129,042	412,147	3,194	2,729	93	13.739	286,341	970,937	3,391	2,926
94	4.658	93,126	283,105	3,040	2,575	94	10.662	213,145	684,595	3,212	2,747
95	3.420	65,578	189,980	2,897	2,432	95	8.069	154,744	471,451	3,047	2,581
96	2.447	45,006	124,402	2,764	2,299	96	5.949	109,430	316,706	2,894	2,429
97	1.704	30,066	79,396	2,641	2,176	97	4.266	75,280	207,276	2,753	2,288
98	1.154	19,528	49,330	2,526	2,061	98	2.973	50,313	131,996	2,624	2,158
99	759	12,317	29,802	2,420	1,954	99	2.010	32,626	81,683	2,504	2,038
100	484	7,535	17,485	2,321	1,855	100	1316	20,501	49,057	2,393	1,928

Kommunikationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Rente nach der Sterbetafel 2002/2004

Zinsfuß 4,50%

x	l _x	D _x	N _x	ä _x	⁽¹²⁾ ä _x						
						Männer			Frauen		
0	100.000	100.000,000	2.209.439,497	22,094	21,629	0	100.000	100.000,000	2.236.535,256	22,365	21,900
1	99.544	95.257,196	2.109.439,497	22,145	21,679	1	99.620	95.330,437	2.136.535,256	22,412	21,946
2	99.504	91.118,386	2.014.182,301	22,105	21,640	2	99.585	91.192,627	2.041.204,820	22,383	21,918
3	99.484	87.177,072	1.923.063,915	22,059	21,594	3	99.565	87.248,418	1.950.012,193	22,350	21,885
4	99.465	83.407,817	1.835.886,843	22,011	21,545	4	99.548	83.476,978	1.862.763,775	22,315	21,849
5	99.452	79.805,390	1.752.479,026	21,959	21,494	5	99.535	79.871,958	1.779.286,797	22,277	21,811
6	99.438	76.358,336	1.672.673,636	21,906	21,440	6	99.522	76.422,505	1.699.414,839	22,237	21,771
7	99.427	73.061,662	1.596.315,300	21,849	21,383	7	99.513	73.124,845	1.622.992,334	22,195	21,729
8	99.415	69.906,833	1.523.253,638	21,790	21,324	8	99.504	69.969,834	1.549.867,490	22,151	21,685
9	99.403	66.888,536	1.453.346,806	21,728	21,262	9	99.495	66.950,351	1.479.897,656	22,104	21,639
10	99.393	64.002,179	1.386.458,269	21,663	21,197	10	99.488	64.063,182	1.412.947,305	22,056	21,590
11	99.384	61.240,349	1.322.456,091	21,595	21,129	11	99.480	61.299,325	1.348.884,122	22,005	21,539
12	99.370	58.594,738	1.261.215,742	21,524	21,059	12	99.470	58.654,140	1.287.584,797	21,952	21,487
13	99.357	56.064,198	1.202.621,003	21,451	20,985	13	99.462	56.123,597	1.228.930,657	21,897	21,431
14	99.344	53.642,994	1.146.556,806	21,374	20,908	14	99.452	53.701,588	1.172.807,060	21,839	21,374
15	99.326	51.323,538	1.092.913,812	21,295	20,829	15	99.441	51.383,091	1.119.105,472	21,780	21,314
16	99.302	49.101,848	1.041.590,275	21,213	20,747	16	99.423	49.161,637	1.067.722,381	21,719	21,253
17	99.264	46.969,417	992.488,427	21,131	20,665	17	99.402	47.034,666	1.018.560,744	21,656	21,190
18	99.214	44.924,029	945.519,009	21,047	20,581	18	99.380	44.999,347	971.526,079	21,590	21,124
19	99.139	42.956,894	900.594,980	20,965	20,499	19	99.352	43.049,191	926.526,732	21,523	21,057
20	99.059	41.073,968	857.638,086	20,880	20,415	20	99.324	41.183,979	883.477,541	21,452	20,986
21	98.983	39.275,350	816.564,118	20,791	20,325	21	99.293	39.398,058	842.293,562	21,379	20,913
22	98.906	37.554,598	777.288,768	20,698	20,232	22	99.268	37.692,267	802.895,504	21,301	20,836
23	98.831	35.910,319	739.734,170	20,599	20,134	23	99.241	36.059,389	765.203,237	21,221	20,755
24	98.758	34.338,470	703.823,852	20,497	20,031	24	99.216	34.497,590	729.143,848	21,136	20,670
25	98.686	32.835,938	669.485,381	20,389	19,923	25	99.189	33.003,079	694.646,258	21,048	20,582
26	98.614	31.398,966	636.649,444	20,276	19,811	26	99.164	31.574,122	661.643,180	20,955	20,490
27	98.544	30.025,369	605.250,478	20,158	19,692	27	99.136	30.206,012	630.069,057	20,859	20,393
28	98.473	28.711,863	575.225,109	20,034	19,569	28	99.108	28.896,851	599.863,045	20,759	20,293
29	98.401	27.455,271	546.513,246	19,906	19,440	29	99.078	27.644,281	570.966,194	20,654	20,188
30	98.331	26.254,508	519.057,975	19,770	19,305	30	99.049	26.446,114	543.321,913	20,544	20,079
31	98.260	25.105,576	492.803,467	19,629	19,164	31	99.017	25.299,000	516.875,799	20,431	19,965
32	98.182	24.005,503	467.697,891	19,483	19,017	32	98.981	24.200,922	491.576,798	20,312	19,847
33	98.102	22.952,954	443.692,387	19,331	18,865	33	98.946	23.150,542	467.375,876	20,189	19,723
34	98.016	21.945,282	420.739,434	19,172	18,707	34	98.907	22.144,777	444.225,334	20,060	19,594
35	97.922	20.980,212	398.794,152	19,008	18,542	35	98.860	21.181,239	422.080,557	19,927	19,461
36	97.819	20.055,748	377.813,940	18,838	18,373	36	98.810	20.258,751	400.899,318	19,789	19,323
37	97.709	19.170,439	357.758,192	18,662	18,196	37	98.754	19.375,403	380.640,567	19,646	19,180
38	97.591	18.322,754	338.587,753	18,479	18,013	38	98.693	18.529,686	361.265,164	19,497	19,031
39	97.457	17.509,575	320.264,999	18,291	17,825	39	98.624	17.719,353	342.735,478	19,342	18,877
40	97.306	16.729,749	302.755,424	18,097	17,631	40	98.545	16.942,749	325.016,125	19,183	18,718
41	97.139	15.981,758	286.025,675	17,897	17,431	41	98.459	16.199,052	308.073,376	19,018	18,552
42	96.954	15.264,496	270.043,916	17,691	17,225	42	98.362	15.486,162	291.874,324	18,847	18,382
43	96.740	14.574,956	254.779,420	17,481	17,015	43	98.252	14.802,627	276.388,162	18,672	18,206
44	96.501	13.912,800	240.204,464	17,265	16,799	44	98.124	14.146,807	261.585,535	18,491	18,025
45	96.242	13.277,965	226.291,665	17,043	16,577	45	97.987	13.518,770	247.438,729	18,303	17,838
46	95.946	12.667,089	213.013,699	16,816	16,351	46	97.832	12.916,104	233.919,959	18,111	17,645
47	95.620	12.080,472	200.346,610	16,584	16,119	47	97.656	12.337,710	221.003,855	17,913	17,447
48	95.262	11.516,933	188.266,138	16,347	15,881	48	97.466	11.783,462	208.666,145	17,708	17,243
49	94.873	10.975,995	176.749,205	16,103	15,638	49	97.260	11.252,135	196.882,684	17,497	17,032

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Rente
nach der Sterbetafel 2002/2004**

Zinsfuß 4,50%

x	l _x	D _x	N _x	ä _x	⁽¹²⁾ ä _x	y	l _y	D _y	N _y	ä _y	⁽¹²⁾ ä _y
50	94.447	10.456,202	165.773,210	15,854	15,388	50	97.026	10.741,679	185.630,548	17,281	16,816
51	93.979	9.956,352	155.317,008	15,600	15,134	51	96.781	10.253,147	174.888,869	17,057	16,591
52	93.492	9.478,249	145.360,655	15,336	14,871	52	96.512	9.784,375	164.635,722	16,826	16,361
53	92.944	9.016,900	135.882,406	15,070	14,604	53	96.220	9.334,732	154.851,347	16,589	16,123
54	92.360	8.574,377	126.865,505	14,796	14,330	54	95.916	8.904,552	145.516,615	16,342	15,876
55	91.733	8.149,432	118.291,129	14,515	14,050	55	95.583	8.491,464	136.612,063	16,088	15,623
56	91.046	7.740,124	110.141,697	14,230	13,764	56	95.221	8.095,032	128.120,599	15,827	15,361
57	90.333	7.348,812	102.401,572	13,934	13,469	57	94.838	7.715,342	120.025,567	15,557	15,091
58	89.551	6.971,507	95.052,760	13,634	13,169	58	94.415	7.350,151	112.310,225	15,280	14,814
59	88.698	6.607,721	88.081,253	13,330	12,864	59	93.960	6.999,766	104.960,074	14,995	14,529
60	87.765	6.256,714	81.473,533	13,022	12,556	60	93.483	6.664,288	97.960,309	14,699	14,234
61	86.777	5.919,879	75.216,819	12,706	12,240	61	92.968	6.342,206	91.296,021	14,395	13,929
62	85.735	5.596,913	69.296,940	12,381	11,916	62	92.445	6.034,944	84.953,814	14,077	13,611
63	84.580	5.283,755	63.700,028	12,056	11,590	63	91.863	5.738,724	78.918,870	13,752	13,286
64	83.358	4.983,157	58.416,273	11,723	11,257	64	91.238	5.454,249	73.180,146	13,417	12,951
65	82.042	4.693,315	53.433,115	11,385	10,919	65	90.571	5.181,209	67.725,897	13,071	12,606
66	80.606	4.412,556	48.739,800	11,046	10,580	66	89.831	4.917,600	62.544,688	12,719	12,253
67	79.063	4.141,745	44.327,245	10,703	10,237	67	89.018	4.663,218	57.627,088	12,358	11,892
68	77.370	3.878,496	40.185,500	10,361	9,895	68	88.113	4.417,050	52.963,870	11,991	11,525
69	75.541	3.623,740	36.307,004	10,019	9,554	69	87.105	4.178,497	48.546,820	11,618	11,153
70	73.595	3.378,395	32.683,264	9,674	9,209	70	85.994	3.947,547	44.368,323	11,239	10,774
71	71.497	3.140,717	29.304,869	9,331	8,865	71	84.772	3.723,865	40.420,776	10,855	10,389
72	69.245	2.910,826	26.164,152	8,989	8,523	72	83.397	3.505,734	36.696,911	10,468	10,002
73	66.807	2.687,417	23.253,326	8,653	8,187	73	81.894	3.294,286	33.191,176	10,075	9,610
74	64.216	2.471,949	20.565,909	8,320	7,854	74	80.225	3.088,205	29.896,890	9,681	9,215
75	61.490	2.265,072	18.093,960	7,988	7,523	75	78.399	2.887,954	26.808,685	9,283	8,817
76	58.647	2.067,316	15.828,888	7,657	7,191	76	76.367	2.691,939	23.920,731	8,886	8,420
77	55.721	1.879,604	13.761,571	7,322	6,856	77	74.156	2.501,447	21.228,792	8,487	8,021
78	52.671	1.700,212	11.881,967	6,989	6,523	78	71.743	2.315,855	18.727,345	8,087	7,621
79	49.474	1.528,234	10.181,755	6,662	6,197	79	69.084	2.133,995	16.411,490	7,691	7,225
80	46.179	1.365,037	8.653,521	6,339	5,874	80	66.178	1.956,197	14.277,495	7,299	6,833
81	42.747	1.209,177	7.288,484	6,028	5,562	81	62.954	1.780,768	12.321,298	6,919	6,453
82	39.238	1.062,103	6.079,307	5,724	5,258	82	59.445	1.609,092	10.540,531	6,551	6,085
83	35.555	920,967	5.017,204	5,448	4,982	83	55.604	1.440,292	8.931,439	6,201	5,736
84	31.932	791,507	4.096,238	5,175	4,710	84	51.619	1.279,506	7.491,147	5,855	5,389
85	28.411	673,906	3.304,731	4,904	4,438	85	47.471	1.126,012	6.211,641	5,516	5,051
86	25.109	569,946	2.630,825	4,616	4,150	86	43.349	983,968	5.085,628	5,168	4,703
87	21.783	473,156	2.060,879	4,356	3,890	87	38.979	846,670	4.101,660	4,844	4,379
88	18.512	384,785	1.587,723	4,126	3,661	88	34.384	714,705	3.254,990	4,554	4,089
89	15.448	307,276	1.202,937	3,915	3,449	89	29.862	593,973	2.540,285	4,277	3,811
90	12.671	241,176	895,662	3,714	3,248	90	25.436	484,145	1.946,312	4,020	3,554
91	10.212	186,014	654,486	3,518	3,053	91	21.278	387,565	1.462,167	3,773	3,307
92	8.040	140,142	468,472	3,343	2,877	92	17.290	301,374	1.074,602	3,566	3,100
93	6.192	103,274	328,330	3,179	2,714	93	13.739	229,162	773,228	3,374	2,909
94	4.658	74,351	225,057	3,027	2,561	94	10.662	170,174	544,066	3,197	2,731
95	3.420	52,232	150,705	2,885	2,420	95	8.069	123,252	373,892	3,034	2,568
96	2.447	35,761	98,474	2,754	2,288	96	5.949	86,951	250,640	2,883	2,417
97	1.704	23,833	62,713	2,631	2,166	97	4.266	59,673	163,689	2,743	2,277
98	1.154	15,443	38,880	2,518	2,052	98	2.973	39,786	104,016	2,614	2,149
99	759	9,717	23,438	2,412	1,946	99	2.010	25,739	64,230	2,495	2,030
100	484	5,930	13,721	2,314	1,848	100	1316	16,135	38,491	2,386	1,920

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Rente
nach der Sterbetafel 2002/2004**

Zinsfuß 4,75%

x	l _x	D _x	N _x	ä _x	⁽¹²⁾ ä _x	y	l _y	D _y	N _y	ä _y	⁽¹²⁾ ä _y
0	100.000	100.000,000	2.111.617,912	21,116	20,650	0	100.000	100.000,000	2.135.060,122	21,351	20,885
1	99.544	95.029,852	2.011.617,912	21,168	20,702	1	99.620	95.102,918	2.035.060,122	21,399	20,932
2	99.504	90.683,972	1.916.588,060	21,135	20,669	2	99.585	90.757,859	1.939.957,204	21,375	20,909
3	99.484	86.554,381	1.825.904,088	21,095	20,629	3	99.565	86.625,217	1.849.199,345	21,347	20,881
4	99.465	82.614,407	1.739.349,707	21,054	20,588	4	99.548	82.682,910	1.762.574,128	21,317	20,851
5	99.452	78.857,593	1.656.735,300	21,009	20,543	5	99.535	78.923,371	1.679.891,218	21,285	20,819
6	99.438	75.271,403	1.577.877,707	20,963	20,497	6	99.522	75.334,658	1.600.967,846	21,251	20,785
7	99.427	71.849,766	1.502.606,304	20,913	20,447	7	99.513	71.911,901	1.525.633,189	21,215	20,749
8	99.415	68.583,192	1.430.756,539	20,862	20,396	8	99.504	68.645,000	1.453.721,288	21,177	20,711
9	99.403	65.465,430	1.362.173,346	20,808	20,342	9	99.495	65.525,929	1.385.076,288	21,138	20,672
10	99.393	62.490,982	1.296.707,917	20,750	20,284	10	99.488	62.550,545	1.319.550,358	21,096	20,630
11	99.384	59.651,656	1.234.216,935	20,690	20,224	11	99.480	59.709,102	1.256.999,814	21,052	20,586
12	99.370	56.938,461	1.174.565,279	20,629	20,163	12	99.470	56.996,184	1.197.290,712	21,007	20,540
13	99.357	54.349,428	1.117.626,818	20,564	20,098	13	99.462	54.407,010	1.140.294,528	20,959	20,493
14	99.344	51.878,168	1.063.277,390	20,496	20,030	14	99.452	51.934,834	1.085.887,517	20,909	20,443
15	99.326	49.516,560	1.011.399,223	20,425	19,959	15	99.441	49.574,017	1.033.952,683	20,857	20,391
16	99.302	47.260,028	961.882,663	20,353	19,887	16	99.423	47.317,575	984.378,666	20,804	20,338
17	99.264	45.099,692	914.622,634	20,280	19,814	17	99.402	45.162,343	937.061,092	20,749	20,283
18	99.214	43.032,776	869.522,942	20,206	19,740	18	99.380	43.104,922	891.898,749	20,691	20,225
19	99.139	41.050,248	826.490,167	20,134	19,668	19	99.352	41.138,449	848.793,827	20,633	20,167
20	99.059	39.157,218	785.439,918	20,059	19,593	20	99.324	39.262,096	807.655,378	20,571	20,105
21	98.983	37.353,173	746.282,700	19,979	19,513	21	99.293	37.469,876	768.393,282	20,507	20,041
22	98.906	35.631,394	708.929,527	19,896	19,430	22	99.268	35.762,012	730.923,406	20,439	19,973
23	98.831	33.990,004	673.298,133	19,809	19,343	23	99.241	34.131,103	695.161,394	20,367	19,901
24	98.758	32.424,640	639.308,130	19,717	19,251	24	99.216	32.574,890	661.030,291	20,293	19,827
25	98.686	30.931,850	606.883,490	19,620	19,154	25	99.189	31.089,299	628.455,401	20,215	19,749
26	98.614	29.507,613	575.951,640	19,519	19,053	26	99.164	29.672,218	597.366,102	20,132	19,666
27	98.544	28.149,413	546.444,027	19,412	18,946	27	99.136	28.318,770	567.693,884	20,047	19,581
28	98.473	26.853,730	518.294,615	19,301	18,835	28	99.108	27.026,746	539.375,114	19,957	19,491
29	98.401	25.617,175	491.440,885	19,184	18,718	29	99.078	25.793,531	512.348,368	19,863	19,397
30	98.331	24.438,337	465.823,709	19,061	18,595	30	99.049	24.616,689	486.554,836	19,765	19,299
31	98.260	23.313,110	441.385,373	18,933	18,467	31	99.017	23.492,724	461.938,148	19,663	19,197
32	98.182	22.238,378	418.072,262	18,800	18,334	32	98.981	22.419,411	438.445,423	19,557	19,091
33	98.102	21.212,562	395.833,885	18,660	18,194	33	98.946	21.395,168	416.026,013	19,445	18,979
34	98.016	20.232,892	374.621,323	18,515	18,049	34	98.907	20.416,820	394.630,844	19,329	18,863
35	97.922	19.296,962	354.388,431	18,365	17,899	35	98.860	19.481,860	374.214,024	19,208	18,742
36	97.819	18.402,642	335.091,469	18,209	17,743	36	98.810	18.588,913	354.732,164	19,083	18,617
37	97.709	17.548,323	316.688,827	18,047	17,581	37	98.754	17.735,944	336.143,251	18,953	18,487
38	97.591	16.732,336	299.140,504	17,878	17,412	38	98.693	16.921,306	318.407,307	18,817	18,351
39	97.457	15.951,580	282.408,168	17,704	17,238	39	98.624	16.142,692	301.486,000	18,676	18,210
40	97.306	15.204,768	266.456,588	17,525	17,059	40	98.545	15.398,352	285.343,309	18,531	18,065
41	97.139	14.490,293	251.251,820	17,339	16,873	41	98.459	14.687,308	269.944,957	18,379	17,913
42	96.954	13.806,937	236.761,527	17,148	16,682	42	98.362	14.007,437	255.257,649	18,223	17,757
43	96.740	13.151,776	222.954,590	16,952	16,486	43	98.252	13.357,215	241.250,212	18,061	17,595
44	96.501	12.524,313	209.802,815	16,752	16,286	44	98.124	12.734,966	227.892,997	17,895	17,429
45	96.242	11.924,308	197.278,502	16,544	16,078	45	97.987	12.140,563	215.158,030	17,722	17,256
46	95.946	11.348,559	185.354,194	16,333	15,867	46	97.832	11.571,654	203.017,468	17,544	17,078
47	95.620	10.797,174	174.005,635	16,116	15,650	47	97.656	11.027,085	191.445,814	17,361	16,895
48	95.262	10.268,931	163.208,461	15,893	15,427	48	97.466	10.506,579	180.418,729	17,172	16,706
49	94.873	9.763,254	152.939,530	15,665	15,199	49	97.260	10.008,883	169.912,150	16,976	16,510

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Rente
nach der Sterbetafel 2002/2004**

Zinsfuß 4,75%

x	l _x	D _x	N _x	ä _x	⁽¹²⁾ ä _x	y	l _y	D _y	N _y	ä _y	⁽¹²⁾ ä _y
50	94.447	9.278,695	143.176,276	15,431	14,965	50	97.026	9.532,024	159.903,267	16,775	16,309
51	93.979	8.814,049	133.897,580	15,191	14,725	51	96.781	9.076,792	150.371,243	16,567	16,101
52	93.492	8.370,773	125.083,531	14,943	14,477	52	96.512	8.641,130	141.294,451	16,351	15,885
53	92.944	7.944,325	116.712,758	14,691	14,225	53	96.220	8.224,350	132.653,321	16,129	15,663
54	92.360	7.536,410	108.768,433	14,432	13,966	54	95.916	7.826,617	124.428,971	15,898	15,432
55	91.733	7.145,812	101.232,023	14,167	13,701	55	95.583	7.445,722	116.602,355	15,660	15,194
56	91.046	6.770,713	94.086,211	13,896	13,430	56	95.221	7.081,170	109.156,633	15,415	14,949
57	90.333	6.413,069	87.315,498	13,615	13,149	57	94.838	6.732,927	102.075,463	15,161	14,695
58	89.551	6.069,287	80.902,429	13,330	12,864	58	94.415	6.398,929	95.342,535	14,900	14,434
59	88.698	5.738,851	74.833,142	13,040	12,574	59	93.960	6.079,345	88.943,606	14,630	14,164
60	87.765	5.421,030	69.094,291	12,746	12,280	60	93.483	5.774,166	82.864,262	14,351	13,885
61	86.777	5.116,943	63.673,261	12,444	11,978	61	92.968	5.481,989	77.090,096	14,062	13,596
62	85.735	4.826,236	58.556,318	12,133	11,667	62	92.445	5.203,952	71.608,107	13,760	13,294
63	84.580	4.545,325	53.730,081	11,821	11,355	63	91.863	4.936,711	66.404,154	13,451	12,985
64	83.358	4.276,507	49.184,756	11,501	11,035	64	91.238	4.680,794	61.467,444	13,132	12,666
65	82.042	4.018,154	44.908,250	11,176	10,710	65	90.571	4.435,861	56.786,650	12,802	12,336
66	80.606	3.768,767	40.890,096	10,850	10,384	66	89.831	4.200,126	52.350,789	12,464	11,998
67	79.063	3.529,024	37.121,329	10,519	10,053	67	89.018	3.973,353	48.150,663	12,118	11,652
68	77.370	3.296,833	33.592,305	10,189	9,723	68	88.113	3.754,619	44.177,311	11,766	11,300
69	75.541	3.072,932	30.295,472	9,859	9,393	69	87.105	3.543,365	40.422,692	11,408	10,942
70	73.595	2.858,041	27.222,540	9,525	9,059	70	85.994	3.339,531	36.879,326	11,043	10,577
71	71.497	2.650,630	24.364,498	9,192	8,726	71	84.772	3.142,782	33.539,795	10,672	10,206
72	69.245	2.450,750	21.713,868	8,860	8,394	72	83.397	2.951,628	30.397,013	10,298	9,832
73	66.807	2.257,251	19.263,118	8,534	8,068	73	81.894	2.766,981	27.445,385	9,919	9,453
74	64.216	2.071,317	17.005,867	8,210	7,744	74	80.225	2.587,696	24.678,403	9,537	9,071
75	61.490	1.893,440	14.934,550	7,888	7,422	75	78.399	2.414,125	22.090,707	9,151	8,685
76	58.647	1.724,005	13.041,110	7,564	7,098	76	76.367	2.244,900	19.676,583	8,765	8,299
77	55.721	1.563,725	11.317,105	7,237	6,771	77	74.156	2.081,063	17.431,683	8,376	7,910
78	52.671	1.411,105	9.753,380	6,912	6,446	78	71.743	1.922,063	15.350,620	7,987	7,521
79	49.474	1.265,343	8.342,275	6,593	6,127	79	69.084	1.766,899	13.428,558	7,600	7,134
80	46.179	1.127,522	7.076,932	6,277	5,811	80	66.178	1.615,821	11.661,658	7,217	6,751
81	42.747	996,398	5.949,409	5,971	5,505	81	62.954	1.467,406	10.045,837	6,846	6,380
82	39.238	873,116	4.953,012	5,673	5,207	82	59.445	1.322,775	8.578,431	6,485	6,019
83	35.555	755,286	4.079,896	5,402	4,936	83	55.604	1.181,186	7.255,656	6,143	5,677
84	31.932	647,566	3.324,610	5,134	4,668	84	51.619	1.046,820	6.074,471	5,803	5,337
85	28.411	550,036	2.677,044	4,867	4,401	85	47.471	919,042	5.027,651	5,471	5,005
86	25.109	464,075	2.127,008	4,583	4,117	86	43.349	801,190	4.108,609	5,128	4,662
87	21.783	384,345	1.662,933	4,327	3,861	87	38.979	687,750	3.307,419	4,809	4,343
88	18.512	311,815	1.278,588	4,100	3,634	88	34.384	579,169	2.619,669	4,523	4,057
89	15.448	248,410	966,773	3,892	3,426	89	29.862	480,184	2.040,500	4,249	3,783
90	12.671	194,508	718,363	3,693	3,227	90	25.436	390,462	1.560,316	3,996	3,530
91	10.212	149,662	523,855	3,500	3,034	91	21.278	311,825	1.169,854	3,752	3,286
92	8.040	112,485	374,193	3,327	2,861	92	17.290	241,898	858,029	3,547	3,081
93	6.192	82,695	261,708	3,165	2,699	93	13.739	183,499	616,131	3,358	2,892
94	4.658	59,394	179,013	3,014	2,548	94	10.662	135,940	432,632	3,183	2,717
95	3.420	41,624	119,619	2,874	2,408	95	8.069	98,222	296,693	3,021	2,555
96	2.447	28,430	77,995	2,743	2,277	96	5.949	69,128	198,471	2,871	2,405
97	1.704	18,902	49,564	2,622	2,156	97	4.266	47,328	129,343	2,733	2,267
98	1.154	12,219	30,662	2,509	2,043	98	2.973	31,480	82,015	2,605	2,139
99	759	7,670	18,443	2,405	1,939	99	2.010	20,316	50,535	2,487	2,021
100	484	4,670	10,773	2,307	1,841	100	1316	12,705	30,219	2,378	1,912

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Rente
nach der Sterbetafel 2002/2004**

Zinsfuß 5,00%

x	l _x	D _x	N _x	ä _x	⁽¹²⁾ ä _x	y	l _y	D _y	N _y	ä _y	⁽¹²⁾ ä _y
0	100.000	100.000,000	2.021.652,133	20,217	19,750	0	100.000	100.000,000	2.041.995,126	20,420	19,954
1	99.544	94.803,590	1.921.652,133	20,270	19,803	1	99.620	94.876,482	1.941.995,126	20,469	20,002
2	99.504	90.252,658	1.826.848,543	20,241	19,775	2	99.585	90.326,193	1.847.118,644	20,449	19,983
3	99.484	85.937,607	1.736.595,885	20,208	19,741	3	99.565	86.007,938	1.756.792,451	20,426	19,960
4	99.465	81.830,409	1.650.658,279	20,172	19,705	4	99.548	81.898,262	1.670.784,513	20,401	19,934
5	99.452	77.923,272	1.568.827,869	20,133	19,667	5	99.535	77.988,271	1.588.886,251	20,373	19,907
6	99.438	74.202,477	1.490.904,598	20,092	19,626	6	99.522	74.264,834	1.510.897,981	20,345	19,878
7	99.427	70.660,789	1.416.702,121	20,049	19,583	7	99.513	70.721,896	1.436.633,146	20,314	19,847
8	99.415	67.287,680	1.346.041,331	20,004	19,538	8	99.504	67.348,321	1.365.911,250	20,281	19,815
9	99.403	64.075,885	1.278.753,651	19,957	19,490	9	99.495	64.135,101	1.298.562,929	20,247	19,781
10	99.393	61.018,942	1.214.677,766	19,907	19,440	10	99.488	61.077,102	1.234.427,828	20,211	19,745
11	99.384	58.107,817	1.153.658,824	19,854	19,387	11	99.480	58.163,777	1.173.350,727	20,173	19,707
12	99.370	55.332,783	1.095.551,007	19,799	19,333	12	99.470	55.388,878	1.115.186,950	20,134	19,667
13	99.357	52.691,007	1.040.218,223	19,742	19,275	13	99.462	52.746,833	1.059.798,072	20,092	19,626
14	99.344	50.175,405	987.527,216	19,681	19,215	14	99.452	50.230,211	1.007.051,239	20,049	19,582
15	99.326	47.777,284	937.351,812	19,619	19,153	15	99.441	47.832,722	956.821,028	20,003	19,537
16	99.302	45.491,442	889.574,528	19,555	19,088	16	99.423	45.546,834	908.988,306	19,957	19,491
17	99.264	43.308,588	844.083,086	19,490	19,024	17	99.402	43.368,751	863.441,471	19,909	19,443
18	99.214	41.225,369	800.774,498	19,424	18,958	18	99.380	41.294,485	820.072,720	19,859	19,393
19	99.139	39.232,475	759.549,130	19,360	18,894	19	99.352	39.316,770	778.778,236	19,808	19,341
20	99.059	37.334,169	720.316,654	19,294	18,827	20	99.324	37.434,163	739.461,465	19,754	19,287
21	98.983	35.529,319	682.982,486	19,223	18,757	21	99.293	35.640,323	702.027,302	19,698	19,231
22	98.906	33.810,915	647.453,167	19,149	18,683	22	99.268	33.934,860	666.386,979	19,637	19,171
23	98.831	32.176,593	613.642,252	19,071	18,605	23	99.241	32.310,164	632.452,119	19,574	19,108
24	98.758	30.621,661	581.465,659	18,989	18,522	24	99.216	30.763,557	600.141,954	19,508	19,042
25	98.686	29.142,326	550.843,998	18,902	18,435	25	99.189	29.290,666	569.378,398	19,439	18,973
26	98.614	27.734,295	521.701,672	18,811	18,344	26	99.164	27.889,008	540.087,732	19,366	18,899
27	98.544	26.394,724	493.967,378	18,715	18,248	27	99.136	26.553,524	512.198,724	19,289	18,823
28	98.473	25.119,855	467.572,654	18,614	18,147	28	99.108	25.281,700	485.645,201	19,209	18,743
29	98.401	23.906,087	442.452,799	18,508	18,042	29	99.078	24.070,663	460.363,500	19,126	18,659
30	98.331	22.751,688	418.546,713	18,396	17,930	30	99.049	22.917,731	436.292,837	19,037	18,571
31	98.260	21.652,444	395.795,025	18,279	17,813	31	99.017	21.819,264	413.375,107	18,945	18,479
32	98.182	20.605,091	374.142,581	18,158	17,691	32	98.981	20.772,828	391.555,843	18,849	18,383
33	98.102	19.607,819	353.537,489	18,030	17,564	33	98.946	19.776,611	370.783,014	18,749	18,282
34	98.016	18.657,733	333.929,670	17,898	17,431	34	98.907	18.827,342	351.006,403	18,643	18,177
35	97.922	17.752,298	315.271,937	17,760	17,293	35	98.860	17.922,396	332.179,061	18,534	18,068
36	97.819	16.889,257	297.519,639	17,616	17,150	36	98.810	17.060,210	314.256,665	18,420	17,954
37	97.709	16.066,850	280.630,382	17,466	17,000	37	98.754	16.238,631	297.196,455	18,302	17,835
38	97.591	15.283,275	264.563,532	17,311	16,844	38	98.693	15.455,880	280.957,824	18,178	17,712
39	97.457	14.535,443	249.280,257	17,150	16,683	39	98.624	14.709,588	265.501,945	18,050	17,583
40	97.306	13.821,943	234.744,814	16,983	16,517	40	98.545	13.997,921	250.792,356	17,916	17,450
41	97.139	13.141,084	220.922,872	16,812	16,345	41	98.459	13.319,755	236.794,435	17,778	17,311
42	96.954	12.491,543	207.781,787	16,634	16,167	42	98.362	12.672,942	223.474,680	17,634	17,168
43	96.740	11.870,469	195.290,244	16,452	15,985	43	98.252	12.055,894	210.801,738	17,485	17,019
44	96.501	11.277,222	183.419,775	16,265	15,798	44	98.124	11.466,900	198.745,844	17,332	16,866
45	96.242	10.711,398	172.142,552	16,071	15,605	45	97.987	10.905,656	187.278,944	17,173	16,706
46	95.946	10.169,941	161.431,155	15,873	15,407	46	97.832	10.369,866	176.373,288	17,008	16,542
47	95.620	9.652,782	151.261,214	15,670	15,204	47	97.656	9.858,325	166.003,422	16,839	16,373
48	95.262	9.158,670	141.608,431	15,462	14,995	48	97.466	9.370,623	156.145,097	16,663	16,197
49	94.873	8.686,933	132.449,761	15,247	14,781	49	97.260	8.905,484	146.774,474	16,481	16,015

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Rente
nach der Sterbetafel 2002/2004**

Zinsfuß 5,00%

x	l _x	D _x	N _x	ä _x	⁽¹²⁾ ä _x	y	l _y	D _y	N _y	ä _y	⁽¹²⁾ ä _y
50	94.447	8.236,137	123.762,828	15,027	14,560	50	97.026	8.461,001	137.868,990	16,295	15,828
51	93.979	7.805,070	115.526,691	14,801	14,335	51	96.781	8.037,736	129.407,989	16,100	15,634
52	93.492	7.394,889	107.721,621	14,567	14,101	52	96.512	7.633,727	121.370,253	15,899	15,433
53	92.944	7.001,447	100.326,731	14,329	13,863	53	96.220	7.248,237	113.736,525	15,692	15,225
54	92.360	6.626,132	93.325,284	14,084	13,618	54	95.916	6.881,286	106.488,288	15,475	15,009
55	91.733	6.267,753	86.699,152	13,833	13,366	55	95.583	6.530,811	99.607,002	15,252	14,785
56	91.046	5.924,606	80.431,399	13,576	13,109	56	95.221	6.196,266	93.076,191	15,021	14,555
57	90.333	5.598,294	74.506,794	13,309	12,842	57	94.838	5.877,514	86.879,925	14,782	14,315
58	89.551	5.285,574	68.908,500	13,037	12,571	58	94.415	5.572,650	81.002,411	14,536	14,069
59	88.698	4.985,907	63.622,926	12,761	12,294	59	93.960	5.281,728	75.429,761	14,281	13,815
60	87.765	4.698,571	58.637,019	12,480	12,013	60	93.483	5.004,644	70.148,033	14,017	13,550
61	86.777	4.424,450	53.938,449	12,191	11,725	61	92.968	4.740,093	65.143,389	13,743	13,277
62	85.735	4.163,149	49.513,999	11,893	11,427	62	92.445	4.488,970	60.403,296	13,456	12,990
63	84.580	3.911,498	45.350,849	11,594	11,128	63	91.863	4.248,306	55.914,326	13,162	12,695
64	83.358	3.671,403	41.439,351	11,287	10,821	64	91.238	4.018,486	51.666,020	12,857	12,391
65	82.042	3.441,392	37.767,948	10,975	10,508	65	90.571	3.799,142	47.647,534	12,542	12,075
66	80.606	3.220,117	34.326,556	10,660	10,194	66	89.831	3.588,679	43.848,392	12,219	11,752
67	79.063	3.008,096	31.106,439	10,341	9,875	67	89.018	3.386,836	40.259,713	11,887	11,421
68	77.370	2.803,488	28.098,343	10,023	9,556	68	88.113	3.192,770	36.872,877	11,549	11,082
69	75.541	2.608,871	25.294,855	9,703	9,237	69	87.105	3.005,955	33.680,106	11,204	10,738
70	73.595	2.418,799	22.687,984	9,380	8,913	70	85.994	2.826,290	30.674,151	10,853	10,387
71	71.497	2.237,923	20.269,185	9,057	8,591	71	84.772	2.653,446	27.847,861	10,495	10,029
72	69.245	2.064,238	18.031,262	8,735	8,269	72	83.397	2.486,122	25.194,415	10,134	9,668
73	66.807	1.896,729	15.967,024	8,418	7,952	73	81.894	2.325,047	22.708,293	9,767	9,300
74	64.216	1.736,348	14.070,295	8,103	7,637	74	80.225	2.169,219	20.383,246	9,397	8,930
75	61.490	1.583,457	12.333,946	7,789	7,323	75	78.399	2.018,899	18.214,027	9,022	8,555
76	58.647	1.438,329	10.750,489	7,474	7,008	76	76.367	1.872,909	16.195,128	8,647	8,181
77	55.721	1.301,502	9.312,160	7,155	6,689	77	74.156	1.732,087	14.322,219	8,269	7,802
78	52.671	1.171,679	8.010,658	6,837	6,371	78	71.743	1.595,941	12.590,132	7,889	7,422
79	49.474	1.048,147	6.838,979	6,525	6,058	79	69.084	1.463,611	10.994,192	7,512	7,045
80	46.179	931,759	5.790,832	6,215	5,749	80	66.178	1.335,279	9.530,581	7,138	6,671
81	42.747	821,440	4.859,073	5,915	5,449	81	62.954	1.209,744	8.195,302	6,774	6,308
82	39.238	718,092	4.037,633	5,623	5,156	82	59.445	1.087,913	6.985,558	6,421	5,955
83	35.555	619,704	3.319,541	5,357	4,890	83	55.604	969,150	5.897,645	6,085	5,619
84	31.932	530,056	2.699,837	5,093	4,627	84	51.619	856,860	4.928,496	5,752	5,285
85	28.411	449,152	2.169,781	4,831	4,364	85	47.471	750,477	4.071,636	5,425	4,959
86	25.109	378,055	1.720,629	4,551	4,085	86	43.349	652,683	3.321,159	5,088	4,622
87	21.783	312,358	1.342,574	4,298	3,832	87	38.979	558,936	2.668,476	4,774	4,308
88	18.512	252,810	1.030,216	4,075	3,609	88	34.384	469,572	2.109,539	4,492	4,026
89	15.448	200,923	777,406	3,869	3,403	89	29.862	388,391	1.639,968	4,222	3,756
90	12.671	156,950	576,483	3,673	3,207	90	25.436	315,068	1.251,577	3,972	3,506
91	10.212	120,476	419,532	3,482	3,016	91	21.278	251,016	936,509	3,731	3,264
92	8.040	90,334	299,056	3,311	2,844	92	17.290	194,262	685,493	3,529	3,062
93	6.192	66,252	208,722	3,150	2,684	93	13.739	147,012	491,231	3,341	2,875
94	4.658	47,471	142,470	3,001	2,535	94	10.662	108,650	344,218	3,168	2,702
95	3.420	33,189	94,999	2,862	2,396	95	8.069	78,317	235,568	3,008	2,541
96	2.447	22,615	61,810	2,733	2,267	96	5.949	54,988	157,251	2,860	2,393
97	1.704	15,000	39,195	2,613	2,147	97	4.266	37,557	102,263	2,723	2,256
98	1.154	9,673	24,195	2,501	2,035	98	2.973	24,922	64,706	2,596	2,130
99	759	6,058	14,522	2,397	1,931	99	2.010	16,046	39,784	2,479	2,013
100	484	3,679	8,464	2,301	1,834	100	1316	10,011	23,738	2,371	1,905

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Rente
nach der Sterbetafel 2002/2004**

Zinsfuß 5,25%

x	l _x	D _x	N _x	ä _x	⁽¹²⁾ ä _x	y	l _y	D _y	N _y	ä _y	⁽¹²⁾ ä _y
0	100.000	100.000,000	1.938.719,347	19,387	18,920	0	100.000	100.000,000	1.956.427,871	19,564	19,097
1	99.544	94.578,404	1.838.719,347	19,441	18,974	1	99.620	94.651,122	1.856.427,871	19,613	19,147
2	99.504	89.824,413	1.744.140,943	19,417	18,950	2	99.585	89.897,600	1.761.776,748	19,598	19,131
3	99.484	85.326,678	1.654.316,530	19,388	18,921	3	99.565	85.396,509	1.671.879,148	19,578	19,111
4	99.465	81.055,689	1.568.989,852	19,357	18,890	4	99.548	81.122,899	1.586.482,639	19,557	19,090
5	99.452	77.002,203	1.487.934,163	19,323	18,856	5	99.535	77.066,434	1.505.359,740	19,533	19,066
6	99.438	73.151,220	1.410.931,960	19,288	18,821	6	99.522	73.212,693	1.428.293,306	19,509	19,042
7	99.427	69.494,246	1.337.780,740	19,250	18,783	7	99.513	69.554,344	1.355.080,613	19,482	19,016
8	99.415	66.019,634	1.268.286,495	19,211	18,744	8	99.504	66.079,132	1.285.526,269	19,454	18,988
9	99.403	62.719,035	1.202.266,860	19,169	18,702	9	99.495	62.776,997	1.219.447,137	19,425	18,958
10	99.393	59.584,955	1.139.547,826	19,125	18,658	10	99.488	59.641,748	1.156.670,141	19,394	18,927
11	99.384	56.607,464	1.079.962,870	19,078	18,611	11	99.480	56.661,979	1.097.028,392	19,361	18,894
12	99.370	53.776,044	1.023.355,406	19,030	18,563	12	99.470	53.830,561	1.040.366,413	19,327	18,860
13	99.357	51.086,956	969.579,362	18,979	18,512	13	99.462	51.141,082	986.535,852	19,290	18,824
14	99.344	48.532,382	918.492,406	18,925	18,459	14	99.452	48.585,394	935.394,770	19,253	18,786
15	99.326	46.103,020	869.960,024	18,870	18,403	15	99.441	46.156,516	886.809,376	19,213	18,746
16	99.302	43.793,012	823.857,004	18,813	18,346	16	99.423	43.846,336	840.652,861	19,173	18,706
17	99.264	41.592,625	780.063,992	18,755	18,288	17	99.402	41.650,404	796.806,524	19,131	18,664
18	99.214	39.497,904	738.471,367	18,696	18,230	18	99.380	39.564,124	755.156,120	19,087	18,620
19	99.139	37.499,235	698.973,463	18,640	18,173	19	99.352	37.579,806	715.591,996	19,042	18,575
20	99.059	35.600,031	661.474,228	18,581	18,114	20	99.324	35.695,381	678.012,190	18,994	18,528
21	98.983	33.798,542	625.874,197	18,518	18,051	21	99.293	33.904,139	642.316,809	18,945	18,478
22	98.906	32.087,450	592.075,655	18,452	17,985	22	99.268	32.205,077	608.412,670	18,892	18,425
23	98.831	30.463,902	559.988,205	18,382	17,915	23	99.241	30.590,364	576.207,593	18,836	18,369
24	98.758	28.922,871	529.524,303	18,308	17,841	24	99.216	29.056,896	545.617,229	18,778	18,311
25	98.686	27.460,224	500.601,431	18,230	17,763	25	99.189	27.600,001	516.560,334	18,716	18,249
26	98.614	26.071,390	473.141,207	18,148	17,681	26	99.164	26.216,827	488.960,332	18,651	18,184
27	98.544	24.753,201	447.069,817	18,061	17,594	27	99.136	24.902,125	462.743,506	18,582	18,116
28	98.473	23.501,662	422.316,616	17,970	17,503	28	99.108	23.653,081	437.841,380	18,511	18,044
29	98.401	22.312,957	398.814,954	17,874	17,407	29	99.078	22.466,566	414.188,299	18,436	17,969
30	98.331	21.185,048	376.501,997	17,772	17,305	30	99.049	21.339,658	391.721,733	18,357	17,890
31	98.260	20.113,607	355.316,949	17,666	17,199	31	99.017	20.268,571	370.382,075	18,274	17,807
32	98.182	19.095,224	335.203,342	17,554	17,088	32	98.981	19.250,670	350.113,505	18,187	17,720
33	98.102	18.127,868	316.108,118	17,438	16,971	33	98.946	18.283,920	330.862,834	18,096	17,629
34	98.016	17.208,518	297.980,250	17,316	16,849	34	98.907	17.364,954	312.578,915	18,001	17,534
35	97.922	16.334,520	280.771,732	17,189	16,722	35	98.860	16.491,033	295.213,961	17,901	17,435
36	97.819	15.503,493	264.437,211	17,057	16,590	36	98.810	15.660,419	278.722,927	17,798	17,331
37	97.709	14.713,532	248.933,718	16,919	16,452	37	98.754	14.870,844	263.062,509	17,690	17,223
38	97.591	13.962,713	234.220,187	16,775	16,308	38	98.693	14.120,404	248.191,665	17,577	17,110
39	97.457	13.247,955	220.257,473	16,626	16,159	39	98.624	13.406,676	234.071,261	17,459	16,993
40	97.306	12.567,731	207.009,518	16,472	16,005	40	98.545	12.727,741	220.664,585	17,337	16,870
41	97.139	11.920,273	194.441,787	16,312	15,845	41	98.459	12.082,345	207.936,844	17,210	16,743
42	96.954	11.304,159	182.521,515	16,146	15,680	42	98.362	11.468,315	195.854,499	17,078	16,611
43	96.740	10.716,606	171.217,355	15,977	15,510	43	98.252	10.884,006	184.386,185	16,941	16,474
44	96.501	10.156,842	160.500,749	15,802	15,335	44	98.124	10.327,676	173.502,178	16,800	16,333
45	96.242	9.624,316	150.343,907	15,621	15,154	45	97.987	9.798,860	163.174,502	16,652	16,186
46	95.946	9.116,106	140.719,591	15,436	14,970	46	97.832	9.295,314	153.375,643	16,500	16,034
47	95.620	8.631,985	131.603,484	15,246	14,779	47	97.656	8.815,791	144.080,328	16,343	15,877
48	95.262	8.170,672	122.971,500	15,050	14,584	48	97.466	8.359,760	135.264,537	16,180	15,714
49	94.873	7.731,416	114.800,828	14,849	14,382	49	97.260	7.925,927	126.904,777	16,011	15,545

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Rente
nach der Sterbetafel 2002/2004**

Zinsfuß 5,25%

x	l _x	D _x	N _x	ä _x	⁽¹²⁾ ä _x	y	l _y	D _y	N _y	ä _y	⁽¹²⁾ ä _y
50	94.447	7.312,793	107.069,413	14,641	14,175	50	97.026	7.512,448	118.978,850	15,838	15,371
51	93.979	6.913,592	99.756,620	14,429	13,962	51	96.781	7.119,683	111.466,402	15,656	15,189
52	93.492	6.534,702	92.843,028	14,208	13,741	52	96.512	6.745,758	104.346,719	15,468	15,002
53	92.944	6.172,330	86.308,326	13,983	13,516	53	96.220	6.389,895	97.600,961	15,274	14,807
54	92.360	5.827,585	80.135,996	13,751	13,284	54	95.916	6.051,989	91.211,066	15,071	14,604
55	91.733	5.499,302	74.308,411	13,512	13,046	55	95.583	5.730,108	85.159,077	14,862	14,395
56	91.046	5.185,879	68.809,109	13,269	12,802	56	95.221	5.423,666	79.428,970	14,645	14,178
57	90.333	4.888,614	63.623,230	13,015	12,548	57	94.838	5.132,439	74.005,303	14,419	13,952
58	89.551	4.604,574	58.734,616	12,756	12,289	58	94.415	4.854,662	68.872,864	14,187	13,720
59	88.698	4.333,199	54.130,042	12,492	12,025	59	93.960	4.590,294	64.018,202	13,946	13,480
60	87.765	4.073,779	49.796,843	12,224	11,757	60	93.483	4.339,152	59.427,908	13,696	13,229
61	86.777	3.826,997	45.723,065	11,948	11,481	61	92.968	4.100,018	55.088,756	13,436	12,969
62	85.735	3.592,428	41.896,067	11,662	11,196	62	92.445	3.873,582	50.988,738	13,163	12,696
63	84.580	3.367,258	38.303,639	11,375	10,909	63	91.863	3.657,203	47.115,156	12,883	12,416
64	83.358	3.153,062	34.936,382	11,080	10,613	64	91.238	3.451,142	43.457,953	12,592	12,126
65	82.042	2.948,505	31.783,320	10,779	10,313	65	90.571	3.255,016	40.006,811	12,291	11,824
66	80.606	2.752,368	28.834,815	10,476	10,010	66	89.831	3.067,393	36.751,794	11,981	11,515
67	79.063	2.565,038	26.082,447	10,168	9,702	67	89.018	2.887,994	33.684,401	11,664	11,197
68	77.370	2.384,888	23.517,409	9,861	9,394	68	88.113	2.716,045	30.796,407	11,339	10,872
69	75.541	2.212,361	21.132,522	9,552	9,085	69	87.105	2.551,050	28.080,362	11,007	10,541
70	73.595	2.047,875	18.920,161	9,239	8,772	70	85.994	2.392,877	25.529,313	10,669	10,202
71	71.497	1.890,236	16.872,286	8,926	8,459	71	84.772	2.241,203	23.136,436	10,323	9,856
72	69.245	1.739,393	14.982,050	8,613	8,147	72	83.397	2.094,886	20.895,233	9,974	9,508
73	66.807	1.594,449	13.242,657	8,305	7,839	73	81.894	1.954,506	18.800,347	9,619	9,152
74	64.216	1.456,161	11.648,209	7,999	7,532	74	80.225	1.819,181	16.845,842	9,260	8,793
75	61.490	1.324,787	10.192,048	7,693	7,227	75	78.399	1.689,096	15.026,661	8,896	8,429
76	58.647	1.200,508	8.867,261	7,386	6,919	76	76.367	1.563,232	13.337,565	8,532	8,065
77	55.721	1.083,724	7.666,753	7,074	6,608	77	74.156	1.442,260	11.774,334	8,164	7,697
78	52.671	973,307	6.583,029	6,764	6,297	78	71.743	1.325,739	10.332,073	7,793	7,327
79	49.474	868,621	5.609,722	6,458	5,991	79	69.084	1.212,925	9.006,335	7,425	6,959
80	46.179	770,335	4.741,101	6,155	5,688	80	66.178	1.103,945	7.793,410	7,060	6,593
81	42.747	677,515	3.970,766	5,861	5,394	81	62.954	997,783	6.689,465	6,704	6,238
82	39.238	590,867	3.293,252	5,574	5,107	82	59.445	895,167	5.691,681	6,358	5,891
83	35.555	508,699	2.702,385	5,312	4,846	83	55.604	795,551	4.796,514	6,029	5,562
84	31.932	434,076	2.193,685	5,054	4,587	84	51.619	701,704	4.000,963	5,702	5,235
85	28.411	366,948	1.759,609	4,795	4,328	85	47.471	613,125	3.299,259	5,381	4,914
86	25.109	308,130	1.392,660	4,520	4,053	86	43.349	531,963	2.686,134	5,049	4,583
87	21.783	253,980	1.084,530	4,270	3,803	87	38.979	454,473	2.154,172	4,740	4,273
88	18.512	205,072	830,551	4,050	3,583	88	34.384	380,904	1.699,698	4,462	3,995
89	15.448	162,596	625,479	3,847	3,380	89	29.862	314,304	1.318,795	4,196	3,729
90	12.671	126,710	462,882	3,653	3,186	90	25.436	254,362	1.004,491	3,949	3,482
91	10.212	97,032	336,173	3,465	2,998	91	21.278	202,170	750,129	3,710	3,244
92	8.040	72,583	239,140	3,295	2,828	92	17.290	156,088	547,960	3,511	3,044
93	6.192	53,107	166,558	3,136	2,669	93	13.739	117,843	391,871	3,325	2,859
94	4.658	37,961	113,451	2,989	2,522	94	10.662	86,885	274,029	3,154	2,687
95	3.420	26,478	75,490	2,851	2,384	95	8.069	62,480	187,143	2,995	2,528
96	2.447	17,999	49,012	2,723	2,256	96	5.949	43,764	124,663	2,849	2,382
97	1.704	11,910	31,013	2,604	2,137	97	4.266	29,820	80,899	2,713	2,246
98	1.154	7,662	19,103	2,493	2,026	98	2.973	19,741	51,079	2,587	2,121
99	759	4,787	11,441	2,390	1,923	99	2.010	12,680	31,338	2,472	2,005
100	484	2,900	6,654	2,294	1,827	100	1316	7,892	18,658	2,364	1,897

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Rente
nach der Sterbetafel 2002/2004**

Zinsfuß 5,50%

x	l _x	D _x	N _x	ä _x	⁽¹²⁾ ä _x	y	l _y	D _y	N _y	ä _y	⁽¹²⁾ ä _y
0	100.000	100.000,000	1.862.097,702	18,621	18,154	0	100.000	100.000,000	1.877.562,040	18,776	18,308
1	99.544	94.354,284	1.762.097,702	18,675	18,208	1	99.620	94.426,831	1.777.562,040	18,825	18,358
2	99.504	89.399,209	1.667.743,418	18,655	18,188	2	99.585	89.472,050	1.683.135,209	18,812	18,345
3	99.484	84.721,527	1.578.344,209	18,630	18,163	3	99.565	84.790,863	1.593.663,160	18,795	18,328
4	99.465	80.290,115	1.493.622,682	18,603	18,136	4	99.548	80.356,690	1.508.872,297	18,777	18,310
5	99.452	76.094,169	1.413.332,567	18,573	18,106	5	99.535	76.157,642	1.428.515,607	18,757	18,290
6	99.438	72.117,297	1.337.238,399	18,543	18,075	6	99.522	72.177,902	1.352.357,965	18,736	18,269
7	99.427	68.349,660	1.265.121,102	18,510	18,042	7	99.513	68.408,768	1.280.180,063	18,714	18,246
8	99.415	64.778,408	1.196.771,441	18,475	18,008	8	99.504	64.836,787	1.211.771,295	18,690	18,222
9	99.403	61.394,034	1.131.993,033	18,438	17,971	9	99.495	61.450,771	1.146.934,508	18,664	18,197
10	99.393	58.187,951	1.070.598,999	18,399	17,932	10	99.488	58.243,413	1.085.483,736	18,637	18,170
11	99.384	55.149,274	1.012.411,048	18,358	17,890	11	99.480	55.202,384	1.027.240,324	18,609	18,141
12	99.370	52.266,641	957.261,774	18,315	17,848	12	99.470	52.319,628	972.037,940	18,579	18,112
13	99.357	49.535,370	904.995,133	18,270	17,802	13	99.462	49.587,852	919.718,312	18,547	18,080
14	99.344	46.946,869	855.459,763	18,222	17,755	14	99.452	46.998,149	870.130,460	18,514	18,047
15	99.326	44.491,193	808.512,894	18,172	17,705	15	99.441	44.542,818	823.132,311	18,480	18,012
16	99.302	42.161,799	764.021,702	18,121	17,654	16	99.423	42.213,137	778.589,493	18,444	17,977
17	99.264	39.948,484	721.859,903	18,070	17,603	17	99.402	40.003,978	736.376,356	18,408	17,940
18	99.214	37.846,669	681.911,419	18,018	17,551	18	99.380	37.910,120	696.372,377	18,369	17,902
19	99.139	35.846,409	644.064,751	17,967	17,500	19	99.352	35.923,429	658.462,257	18,330	17,862
20	99.059	33.950,273	608.218,342	17,915	17,448	20	99.324	34.041,205	622.538,828	18,288	17,821
21	98.983	32.155,888	574.268,068	17,859	17,392	21	99.293	32.256,353	588.497,623	18,244	17,777
22	98.906	30.455,616	542.112,180	17,800	17,333	22	99.268	30.567,261	556.241,270	18,197	17,730
23	98.831	28.846,117	511.656,564	17,737	17,270	23	99.241	28.965,863	525.674,009	18,148	17,681
24	98.758	27.322,025	482.810,446	17,671	17,204	24	99.216	27.448,631	496.708,146	18,096	17,629
25	98.686	25.878,863	455.488,421	17,601	17,134	25	99.189	26.010,591	469.259,515	18,041	17,574
26	98.614	24.511,786	429.609,558	17,527	17,059	26	99.164	24.648,522	443.248,923	17,983	17,516
27	98.544	23.217,304	405.097,773	17,448	16,981	27	99.136	23.356,987	418.600,401	17,922	17,455
28	98.473	21.991,185	381.880,469	17,365	16,898	28	99.108	22.132,872	395.243,414	17,858	17,391
29	98.401	20.829,403	359.889,284	17,278	16,811	29	99.078	20.972,799	373.110,541	17,790	17,323
30	98.331	19.729,624	339.059,881	17,185	16,718	30	99.049	19.873,611	352.137,742	17,719	17,252
31	98.260	18.687,403	319.330,257	17,088	16,621	31	99.017	18.831,379	332.264,131	17,644	17,177
32	98.182	17.699,190	300.642,854	16,986	16,519	32	98.981	17.843,272	313.432,752	17,566	17,099
33	98.102	16.762,740	282.943,663	16,879	16,412	33	98.946	16.907,040	295.589,480	17,483	17,016
34	98.016	15.874,915	266.180,924	16,767	16,300	34	98.907	16.019,227	278.682,440	17,397	16,930
35	97.922	15.032,941	250.306,009	16,651	16,183	35	98.860	15.176,983	262.663,213	17,307	16,839
36	97.819	14.234,322	235.273,068	16,529	16,061	36	98.810	14.378,401	247.486,230	17,212	16,745
37	97.709	13.477,017	221.038,746	16,401	15,934	37	98.754	13.621,109	233.107,829	17,114	16,647
38	97.591	12.758,991	207.561,729	16,268	15,801	38	98.693	12.903,087	219.486,720	17,010	16,543
39	97.457	12.077,165	194.802,738	16,130	15,663	39	98.624	12.221,859	206.583,633	16,903	16,436
40	97.306	11.429,906	182.725,573	15,987	15,519	40	98.545	11.575,429	194.361,774	16,791	16,324
41	97.139	10.815,376	171.295,666	15,838	15,371	41	98.459	10.962,426	182.786,345	16,674	16,207
42	96.954	10.232,067	160.480,290	15,684	15,217	42	98.362	10.380,654	171.823,919	16,552	16,085
43	96.740	9.677,251	150.248,224	15,526	15,059	43	98.252	9.828,416	161.443,266	16,426	15,959
44	96.501	9.150,042	140.570,973	15,363	14,896	44	98.124	9.303,942	151.614,850	16,296	15,829
45	96.242	8.649,757	131.420,931	15,194	14,726	45	97.987	8.806,626	142.310,908	16,160	15,692
46	95.946	8.173,594	122.771,174	15,020	14,553	46	97.832	8.334,274	133.504,282	16,019	15,552
47	95.620	7.721,185	114.597,581	14,842	14,375	47	97.656	7.885,597	125.170,009	15,873	15,406
48	95.262	7.291,229	106.876,396	14,658	14,191	48	97.466	7.459,965	117.284,411	15,722	15,255
49	94.873	6.882,903	99.585,167	14,468	14,001	49	97.260	7.056,066	109.824,447	15,565	15,097

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Rente
nach der Sterbetafel 2002/2004**

Zinsfuß 5,50%

x	l _x	D _x	N _x	ä _x	⁽¹²⁾ ä _x	y	l _y	D _y	N _y	ä _y	⁽¹²⁾ ä _y
50	94.447	6.494,796	92.702,264	14,273	13,806	50	97.026	6.672,118	102.768,380	15,403	14,935
51	93.979	6.125,699	86.207,468	14,073	13,606	51	96.781	6.308,303	96.096,262	15,233	14,766
52	93.492	5.776,268	80.081,770	13,864	13,397	52	96.512	5.962,828	89.787,959	15,058	14,591
53	92.944	5.443,025	74.305,502	13,652	13,184	53	96.220	5.634,883	83.825,131	14,876	14,409
54	92.360	5.126,836	68.862,477	13,432	12,965	54	95.916	5.324,256	78.190,248	14,686	14,218
55	91.733	4.826,564	63.735,641	13,205	12,738	55	95.583	5.029,135	72.865,992	14,489	14,022
56	91.046	4.540,696	58.909,077	12,974	12,506	56	95.221	4.748,901	67.836,857	14,285	13,818
57	90.333	4.270,272	54.368,381	12,732	12,265	57	94.838	4.483,256	63.087,957	14,072	13,605
58	89.551	4.012,627	50.098,109	12,485	12,018	58	94.415	4.230,566	58.604,701	13,853	13,386
59	88.698	3.767,191	46.085,482	12,233	11,766	59	93.960	3.990,704	54.374,135	13,625	13,158
60	87.765	3.533,264	42.318,290	11,977	11,510	60	93.483	3.763,428	50.383,431	13,388	12,920
61	86.777	3.311,361	38.785,026	11,713	11,246	61	92.968	3.547,595	46.620,003	13,141	12,674
62	85.735	3.101,031	35.473,665	11,439	10,972	62	92.445	3.343,727	43.072,408	12,882	12,414
63	84.580	2.899,773	32.372,635	11,164	10,697	63	91.863	3.149,464	39.728,682	12,614	12,147
64	83.358	2.708,880	29.472,862	10,880	10,413	64	91.238	2.964,969	36.579,217	12,337	11,870
65	82.042	2.527,137	26.763,982	10,591	10,123	65	90.571	2.789,845	33.614,248	12,049	11,582
66	80.606	2.353,439	24.236,845	10,298	9,831	66	89.831	2.622,805	30.824,403	11,752	11,285
67	79.063	2.188,064	21.883,406	10,001	9,534	67	89.018	2.463,556	28.201,598	11,448	10,980
68	77.370	2.029,569	19.695,342	9,704	9,237	68	88.113	2.311,388	25.738,042	11,135	10,668
69	75.541	1.878,285	17.665,773	9,405	8,938	69	87.105	2.165,830	23.426,654	10,816	10,349
70	73.595	1.734,517	15.787,488	9,102	8,635	70	85.994	2.026,728	21.260,824	10,490	10,023
71	71.497	1.597,205	14.052,971	8,798	8,331	71	84.772	1.893,764	19.234,096	10,157	9,689
72	69.245	1.466,264	12.455,766	8,495	8,028	72	83.397	1.765,936	17.340,332	9,819	9,352
73	66.807	1.340,895	10.989,502	8,196	7,728	73	81.894	1.643,694	15.574,396	9,475	9,008
74	64.216	1.221,696	9.648,607	7,898	7,431	74	80.225	1.526,264	13.930,702	9,127	8,660
75	61.490	1.108,841	8.426,912	7,600	7,133	75	78.399	1.413,766	12.404,438	8,774	8,307
76	58.647	1.002,439	7.318,071	7,300	6,833	76	76.367	1.305,318	10.990,672	8,420	7,953
77	55.721	902,779	6.315,631	6,996	6,529	77	74.156	1.201,452	9.685,354	8,061	7,594
78	52.671	808,876	5.412,852	6,692	6,225	78	71.743	1.101,768	8.483,903	7,700	7,233
79	49.474	720,166	4.603,976	6,393	5,926	79	69.084	1.005,625	7.382,135	7,341	6,874
80	46.179	637,164	3.883,811	6,095	5,628	80	66.178	913,101	6.376,510	6,983	6,516
81	42.747	559,062	3.246,647	5,807	5,340	81	62.954	823,337	5.463,408	6,636	6,169
82	39.238	486,408	2.687,585	5,525	5,058	82	59.445	736,911	4.640,071	6,297	5,829
83	35.555	417,774	2.201,177	5,269	4,802	83	55.604	653,354	3.903,161	5,974	5,507
84	31.932	355,645	1.783,403	5,015	4,547	84	51.619	574,916	3.249,807	5,653	5,185
85	28.411	299,933	1.427,758	4,760	4,293	85	47.471	501,151	2.674,891	5,337	4,870
86	25.109	251,260	1.127,825	4,489	4,021	86	43.349	433,781	2.173,740	5,011	4,544
87	21.783	206,613	876,565	4,243	3,775	87	38.979	369,715	1.739,959	4,706	4,239
88	18.512	166,432	669,951	4,025	3,558	88	34.384	309,132	1.370,243	4,433	3,965
89	15.448	131,646	503,520	3,825	3,358	89	29.862	254,476	1.061,111	4,170	3,703
90	12.671	102,348	371,873	3,633	3,166	90	25.436	205,457	806,635	3,926	3,459
91	10.212	78,190	269,526	3,447	2,980	91	21.278	162,912	601,178	3,690	3,223
92	8.040	58,350	191,335	3,279	2,812	92	17.290	125,481	438,266	3,493	3,026
93	6.192	42,592	132,985	3,122	2,655	93	13.739	94,510	312,785	3,310	2,842
94	4.658	30,373	90,393	2,976	2,509	94	10.662	69,517	218,275	3,140	2,673
95	3.420	21,135	60,020	2,840	2,373	95	8.069	49,872	148,757	2,983	2,516
96	2.447	14,333	38,886	2,713	2,246	96	5.949	34,850	98,885	2,837	2,370
97	1.704	9,462	24,553	2,595	2,128	97	4.266	23,690	64,035	2,703	2,236
98	1.154	6,073	15,091	2,485	2,018	98	2.973	15,646	40,345	2,579	2,112
99	759	3,785	9,018	2,383	1,916	99	2.010	10,025	24,700	2,464	1,997
100	484	2,288	5,234	2,288	1,820	100	1316	6,225	14,674	2,357	1,890

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Rente
nach der Sterbetafel 2002/2004**

Zinsfuß 5,75%

x	l _x	D _x	N _x	ä _x	⁽¹²⁾ ä _x	y	l _y	D _y	N _y	ä _y	⁽¹²⁾ ä _y
0	100.000	100.000,000	1.791.152,540	17,912	17,444	0	100.000	100.000,000	1.804.700,995	18,047	17,579
1	99.544	94.131,224	1.691.152,540	17,966	17,498	1	99.620	94.203,599	1.704.700,995	18,096	17,628
2	99.504	88.977,018	1.597.021,316	17,949	17,481	2	99.585	89.049,514	1.610.497,396	18,085	17,618
3	99.484	84.122,084	1.508.044,298	17,927	17,459	3	99.565	84.190,929	1.521.447,882	18,071	17,604
4	99.465	79.533,559	1.423.922,214	17,903	17,436	4	99.548	79.599,507	1.437.256,952	18,056	17,589
5	99.452	75.198,953	1.344.388,656	17,878	17,410	5	99.535	75.261,679	1.357.657,446	18,039	17,572
6	99.438	71.100,383	1.269.189,703	17,851	17,383	6	99.522	71.160,133	1.282.395,766	18,021	17,554
7	99.427	67.226,569	1.198.089,320	17,822	17,354	7	99.513	67.284,706	1.211.235,633	18,002	17,534
8	99.415	63.563,374	1.130.862,751	17,791	17,324	8	99.504	63.620,658	1.143.950,927	17,981	17,513
9	99.403	60.100,062	1.067.299,377	17,759	17,291	9	99.495	60.155,604	1.080.330,269	17,959	17,491
10	99.393	56.826,892	1.007.199,315	17,724	17,256	10	99.488	56.881,056	1.020.174,665	17,935	17,468
11	99.384	53.731,964	950.372,423	17,687	17,220	11	99.480	53.783,709	963.293,609	17,911	17,443
12	99.370	50.803,027	896.640,459	17,649	17,182	12	99.470	50.854,530	909.509,900	17,885	17,417
13	99.357	48.034,414	845.837,431	17,609	17,141	13	99.462	48.085,306	858.655,370	17,857	17,389
14	99.344	45.416,724	797.803,017	17,566	17,099	14	99.452	45.466,333	808.570,064	17,828	17,360
15	99.326	42.939,334	752.386,293	17,522	17,055	15	99.441	42.989,158	765.103,731	17,798	17,330
16	99.302	40.594,993	709.446,959	17,476	17,009	16	99.423	40.644,423	722.114,572	17,767	17,299
17	99.264	38.372,997	668.851,967	17,430	16,963	17	99.402	38.426,303	681.470,149	17,734	17,267
18	99.214	36.268,130	630.478,970	17,384	16,916	18	99.380	36.328,935	643.043,846	17,701	17,233
19	99.139	34.270,090	594.210,840	17,339	16,871	19	99.352	34.343,723	606.714,911	17,666	17,198
20	99.059	32.380,604	559.940,750	17,292	16,825	20	99.324	32.467,331	572.371,188	17,629	17,162
21	98.983	30.596,677	527.560,146	17,242	16,775	21	99.293	30.692,271	539.903,857	17,591	17,123
22	98.906	28.910,342	496.963,469	17,190	16,722	22	99.268	29.016,323	509.211,586	17,549	17,082
23	98.831	27.317,773	468.053,127	17,134	16,666	23	99.241	27.431,174	480.195,264	17,505	17,038
24	98.758	25.813,262	440.735,354	17,074	16,606	24	99.216	25.932,877	452.764,089	17,459	16,992
25	98.686	24.391,993	414.922,092	17,011	16,543	25	99.189	24.516,153	426.831,213	17,410	16,943
26	98.614	23.048,843	390.530,099	16,944	16,476	26	99.164	23.177,418	402.315,060	17,358	16,890
27	98.544	21.780,008	367.481,256	16,872	16,405	27	99.136	21.911,045	379.137,642	17,303	16,836
28	98.473	20.581,024	345.701,248	16,797	16,330	28	99.108	20.713,626	357.226,597	17,246	16,778
29	98.401	19.447,656	325.120,224	16,718	16,250	29	99.078	19.581,539	336.512,971	17,185	16,718
30	98.331	18.377,283	305.672,569	16,633	16,166	30	99.049	18.511,402	316.931,433	17,121	16,653
31	98.260	17.365,350	287.295,285	16,544	16,077	31	99.017	17.499,140	298.420,031	17,053	16,586
32	98.182	16.408,167	269.929,935	16,451	15,983	32	98.981	16.541,739	280.920,891	16,983	16,515
33	98.102	15.503,286	253.521,768	16,353	15,885	33	98.946	15.636,745	264.379,152	16,908	16,440
34	98.016	14.647,458	238.018,482	16,250	15,782	34	98.907	14.780,611	248.742,407	16,829	16,361
35	97.922	13.837,795	223.371,024	16,142	15,675	35	98.860	13.970,385	233.961,796	16,747	16,279
36	97.819	13.071,691	209.533,230	16,030	15,562	36	98.810	13.204,002	219.991,411	16,661	16,193
37	97.709	12.346,984	196.461,538	15,912	15,444	37	98.754	12.478,994	206.787,409	16,571	16,103
38	97.591	11.661,529	184.114,554	15,788	15,321	38	98.693	11.793,231	194.308,415	16,476	16,009
39	97.457	11.012,255	172.453,025	15,660	15,193	39	98.624	11.144,190	182.515,184	16,378	15,910
40	97.306	10.397,430	161.440,770	15,527	15,059	40	98.545	10.529,808	171.370,994	16,275	15,807
41	97.139	9.815,152	151.043,340	15,389	14,921	41	98.459	9.948,603	160.841,185	16,167	15,700
42	96.954	9.263,836	141.228,188	15,245	14,778	42	98.362	9.398,363	150.892,583	16,055	15,588
43	96.740	8.740,808	131.964,351	15,098	14,630	43	98.252	8.877,345	141.494,220	15,939	15,471
44	96.501	8.245,078	123.223,543	14,945	14,478	44	98.124	8.383,756	132.616,875	15,818	15,351
45	96.242	7.775,846	114.978,466	14,787	14,319	45	97.987	7.916,866	124.233,118	15,692	15,225
46	95.946	7.330,421	107.202,619	14,624	14,157	46	97.832	7.474,525	116.316,252	15,562	15,094
47	95.620	6.908,311	99.872,199	14,457	13,989	47	97.656	7.055,414	108.841,727	15,427	14,959
48	95.262	6.508,197	92.963,887	14,284	13,817	48	97.466	6.658,812	101.786,313	15,286	14,818
49	94.873	6.129,199	86.455,690	14,106	13,638	49	97.260	6.283,401	95.127,500	15,139	14,672

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Rente
nach der Sterbetafel 2002/2004**

Zinsfuß 5,75%

x	l _x	D _x	N _x	ä _x	⁽¹²⁾ ä _x	y	l _y	D _y	N _y	ä _y	⁽¹²⁾ ä _y
50	94.447	5.769,919	80.326,491	13,922	13,454	50	97.026	5.927,450	88.844,099	14,989	14,521
51	93.979	5.429,151	74.556,572	13,733	13,265	51	96.781	5.590,991	82.916,649	14,830	14,363
52	93.492	5.107,351	69.127,422	13,535	13,067	52	96.512	5.272,306	77.325,658	14,666	14,199
53	92.944	4.801,321	64.020,071	13,334	12,866	53	96.220	4.970,560	72.053,352	14,496	14,028
54	92.360	4.511,718	59.218,750	13,126	12,658	54	95.916	4.685,452	67.082,792	14,317	13,850
55	91.733	4.237,431	54.707,032	12,910	12,443	55	95.583	4.415,276	62.397,340	14,132	13,665
56	91.046	3.977,033	50.469,601	12,690	12,223	56	95.221	4.159,391	57.982,064	13,940	13,472
57	90.333	3.731,335	46.492,569	12,460	11,992	57	94.838	3.917,440	53.822,673	13,739	13,272
58	89.551	3.497,919	42.761,233	12,225	11,757	58	94.415	3.687,901	49.905,233	13,532	13,065
59	88.698	3.276,202	39.263,315	11,984	11,517	59	93.960	3.470,583	46.217,332	13,317	12,849
60	87.765	3.065,499	35.987,113	11,739	11,272	60	93.483	3.265,191	42.746,749	13,092	12,624
61	86.777	2.866,181	32.921,614	11,486	11,019	61	92.968	3.070,656	39.481,558	12,858	12,390
62	85.735	2.677,782	30.055,434	11,224	10,756	62	92.445	2.887,353	36.410,902	12,610	12,143
63	84.580	2.498,074	27.377,651	10,960	10,492	63	91.863	2.713,176	33.523,549	12,356	11,888
64	83.358	2.328,108	24.879,578	10,687	10,219	64	91.238	2.548,200	30.810,373	12,091	11,623
65	82.042	2.166,777	22.551,470	10,408	9,940	65	90.571	2.392,024	28.262,173	11,815	11,348
66	80.606	2.013,078	20.384,693	10,126	9,659	66	89.831	2.243,487	25.870,149	11,531	11,064
67	79.063	1.867,195	18.371,615	9,839	9,372	67	89.018	2.102,287	23.626,662	11,239	10,771
68	77.370	1.727,848	16.504,421	9,552	9,084	68	88.113	1.967,771	21.524,375	10,938	10,471
69	75.541	1.595,274	14.776,573	9,263	8,795	69	87.105	1.839,493	19.556,604	10,632	10,164
70	73.595	1.469,685	13.181,299	8,969	8,501	70	85.994	1.717,281	17.717,111	10,317	9,849
71	71.497	1.350,140	11.711,614	8,674	8,207	71	84.772	1.600,825	15.999,830	9,995	9,527
72	69.245	1.236,523	10.361,474	8,380	7,912	72	83.397	1.489,241	14.399,005	9,669	9,201
73	66.807	1.128,124	9.124,951	8,089	7,621	73	81.894	1.382,876	12.909,764	9,335	8,868
74	64.216	1.025,409	7.996,827	7,799	7,331	74	80.225	1.281,043	11.526,889	8,998	8,530
75	61.490	928,487	6.971,418	7,508	7,041	75	78.399	1.183,815	10.245,846	8,655	8,187
76	58.647	837,407	6.042,932	7,216	6,749	76	76.367	1.090,422	9.062,031	8,311	7,843
77	55.721	752,371	5.205,525	6,919	6,451	77	74.156	1.001,283	7.971,608	7,961	7,494
78	52.671	672,519	4.453,154	6,622	6,154	78	71.743	916,036	6.970,326	7,609	7,142
79	49.474	597,348	3.780,635	6,329	5,861	79	69.084	834,124	6.054,289	7,258	6,791
80	46.179	527,251	3.183,288	6,038	5,570	80	66.178	755,589	5.220,165	6,909	6,441
81	42.747	461,529	2.656,037	5,755	5,287	81	62.954	679,698	4.464,576	6,568	6,101
82	39.238	400,601	2.194,508	5,478	5,010	82	59.445	606,912	3.784,878	6,236	5,769
83	35.555	343,261	1.793,907	5,226	4,758	83	55.604	536,824	3.177,966	5,920	5,452
84	31.932	291,522	1.450,646	4,976	4,509	84	51.619	471,258	2.641,142	5,604	5,137
85	28.411	245,274	1.159,124	4,726	4,258	85	47.471	409,823	2.169,884	5,295	4,827
86	25.109	204,985	913,850	4,458	3,991	86	43.349	353,891	1.760,061	4,973	4,506
87	21.783	168,162	708,865	4,215	3,748	87	38.979	300,911	1.406,170	4,673	4,205
88	18.512	135,138	540,702	4,001	3,534	88	34.384	251,008	1.105,258	4,403	3,936
89	15.448	106,641	405,564	3,803	3,335	89	29.862	206,140	854,251	4,144	3,676
90	12.671	82,711	298,923	3,614	3,146	90	25.436	166,038	648,110	3,903	3,436
91	10.212	63,040	216,211	3,430	2,962	91	21.278	131,345	482,072	3,670	3,203
92	8.040	46,932	153,172	3,264	2,796	92	17.290	100,927	350,727	3,475	3,007
93	6.192	34,177	106,239	3,109	2,641	93	13.739	75,837	249,800	3,294	2,826
94	4.658	24,314	72,062	2,964	2,496	94	10.662	55,651	173,963	3,126	2,658
95	3.420	16,879	47,748	2,829	2,361	95	8.069	39,829	118,312	2,970	2,503
96	2.447	11,420	30,869	2,703	2,236	96	5.949	27,767	78,483	2,827	2,359
97	1.704	7,521	19,449	2,586	2,119	97	4.266	18,830	50,716	2,693	2,226
98	1.154	4,816	11,929	2,477	2,010	98	2.973	12,407	31,885	2,570	2,102
99	759	2,994	7,113	2,376	1,908	99	2.010	7,931	19,479	2,456	1,988
100	484	1,806	4,119	2,281	1,814	100	1316	4,913	11,548	2,350	1,883

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Rente
nach der Sterbetafel 2002/2004**

Zinsfuß 6,00%

x	l _x	D _x	N _x	ä _x	⁽¹²⁾ ä _x	y	l _y	D _y	N _y	ä _y	⁽¹²⁾ ä _y
0	100.000	100.000,000	1.725.324,652	17,253	16,785	0	100.000	100.000,000	1.737.233,862	17,372	16,904
1	99.544	93.909,217	1.625.324,652	17,307	16,839	1	99.620	93.981,421	1.637.233,862	17,421	16,953
2	99.504	88.557,810	1.531.415,435	17,293	16,825	2	99.585	88.629,965	1.543.252,441	17,412	16,944
3	99.484	83.528,283	1.442.857,625	17,274	16,806	3	99.565	83.596,643	1.454.622,476	17,400	16,933
4	99.465	78.785,892	1.359.329,342	17,253	16,785	4	99.548	78.851,220	1.371.025,834	17,388	16,920
5	99.452	74.316,346	1.280.543,450	17,231	16,763	5	99.535	74.378,336	1.292.174,613	17,373	16,905
6	99.438	70.100,160	1.206.227,104	17,207	16,739	6	99.522	70.159,069	1.217.796,277	17,358	16,890
7	99.427	66.124,518	1.136.126,944	17,182	16,714	7	99.513	66.181,702	1.147.637,208	17,341	16,873
8	99.415	62.373,918	1.070.002,426	17,155	16,687	8	99.504	62.430,131	1.081.455,506	17,323	16,855
9	99.403	58.836,322	1.007.628,508	17,126	16,658	9	99.495	58.890,696	1.019.025,375	17,304	16,836
10	99.393	55.500,770	948.792,186	17,095	16,627	10	99.488	55.553,670	960.134,679	17,283	16,815
11	99.384	52.354,297	893.291,415	17,062	16,594	11	99.480	52.404,716	904.581,009	17,261	16,793
12	99.370	49.383,711	840.937,118	17,029	16,561	12	99.470	49.433,775	852.176,293	17,239	16,771
13	99.357	46.582,322	791.553,407	16,993	16,525	13	99.462	46.631,676	802.742,518	17,215	16,747
14	99.344	43.939,889	744.971,085	16,954	16,486	14	99.452	43.987,885	756.110,842	17,189	16,721
15	99.326	41.445,078	701.031,195	16,915	16,447	15	99.441	41.493,169	712.122,957	17,162	16,694
16	99.302	39.089,907	659.586,117	16,874	16,406	16	99.423	39.137,505	670.629,788	17,135	16,667
17	99.264	36.863,146	620.496,210	16,832	16,364	17	99.402	36.914,355	631.492,283	17,107	16,639
18	99.214	34.758,927	583.633,064	16,791	16,323	18	99.380	34.817,201	594.577,928	17,077	16,609
19	99.139	32.766,568	548.874,137	16,751	16,283	19	99.352	32.836,970	559.760,726	17,047	16,579
20	99.059	30.886,960	516.107,569	16,710	16,242	20	99.324	30.969,686	526.923,756	17,014	16,546
21	98.983	29.116,488	485.220,610	16,665	16,197	21	99.293	29.207,457	495.954,070	16,980	16,512
22	98.906	27.446,847	456.104,122	16,618	16,150	22	99.268	27.547,463	466.746,613	16,943	16,475
23	98.831	25.873,730	428.657,274	16,567	16,099	23	99.241	25.981,137	439.199,150	16,905	16,437
24	98.758	24.391,087	402.783,544	16,514	16,046	24	99.216	24.504,111	413.218,014	16,863	16,395
25	98.686	22.993,763	378.392,458	16,456	15,988	25	99.189	23.110,806	388.713,902	16,820	16,352
26	98.614	21.676,362	355.398,695	16,396	15,928	26	99.164	21.797,282	365.603,097	16,773	16,305
27	98.544	20.434,774	333.722,332	16,331	15,863	27	99.136	20.557,717	343.805,815	16,724	16,256
28	98.473	19.264,302	313.287,559	16,263	15,795	28	99.108	19.388,420	323.248,098	16,672	16,204
29	98.401	18.160,511	294.023,257	16,190	15,722	29	99.078	18.285,533	303.859,678	16,617	16,150
30	98.331	17.120,508	275.862,746	16,113	15,645	30	99.049	17.245,454	285.574,145	16,559	16,091
31	98.260	16.139,623	258.742,238	16,031	15,564	31	99.017	16.263,969	268.328,691	16,498	16,030
32	98.182	15.214,035	242.602,615	15,946	15,478	32	98.981	15.337,886	252.064,722	16,434	15,966
33	98.102	14.341,105	227.388,580	15,856	15,388	33	98.946	14.464,559	236.726,835	16,366	15,898
34	98.016	13.517,476	213.047,475	15,761	15,293	34	98.907	13.640,358	222.262,276	16,294	15,826
35	97.922	12.740,156	199.529,999	15,662	15,194	35	98.860	12.862,229	208.621,919	16,220	15,752
36	97.819	12.006,438	186.789,842	15,557	15,090	36	98.810	12.127,966	195.759,689	16,141	15,673
37	97.709	11.314,042	174.783,405	15,448	14,980	37	98.754	11.435,008	183.631,723	16,059	15,591
38	97.591	10.660,729	163.469,363	15,334	14,866	38	98.693	10.781,128	172.196,715	15,972	15,504
39	97.457	10.043,433	152.808,634	15,215	14,747	39	98.624	10.163,761	161.415,587	15,881	15,414
40	97.306	9.460,333	142.765,201	15,091	14,623	40	98.545	9.580,780	151.251,826	15,787	15,319
41	97.139	8.909,473	133.304,867	14,962	14,494	41	98.459	9.030,609	141.671,046	15,688	15,220
42	96.954	8.389,196	124.395,395	14,828	14,360	42	98.362	8.511,021	132.640,437	15,585	15,117
43	96.740	7.896,880	116.006,199	14,690	14,222	43	98.252	8.020,235	124.129,416	15,477	15,009
44	96.501	7.431,444	108.109,319	14,548	14,080	44	98.124	7.556,438	116.109,181	15,366	14,898
45	96.242	6.991,988	100.677,875	14,399	13,931	45	97.987	7.118,792	108.552,743	15,249	14,781
46	95.946	6.575,918	93.685,887	14,247	13,779	46	97.832	6.705,190	101.433,951	15,128	14,660
47	95.620	6.182,639	87.109,969	14,089	13,621	47	97.656	6.314,290	94.728,761	15,002	14,534
48	95.262	5.810,818	80.927,330	13,927	13,459	48	97.466	5.945,294	88.414,471	14,871	14,403
49	94.873	5.459,524	75.116,512	13,759	13,291	49	97.260	5.596,877	82.469,177	14,735	14,267

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Rente
nach der Sterbetafel 2002/2004**

Zinsfuß 6,00%

x	l _x	D _x	N _x	ä _x	⁽¹²⁾ ä _x	y	l _y	D _y	N _y	ä _y	⁽¹²⁾ ä _y
50	94.447	5.127,377	69.656,989	13,585	13,117	50	97.026	5.267,365	76.872,300	14,594	14,126
51	93.979	4.813,178	64.529,612	13,407	12,939	51	96.781	4.956,657	71.604,935	14,446	13,978
52	93.492	4.517,210	59.716,434	13,220	12,752	52	96.512	4.663,105	66.648,278	14,293	13,825
53	92.944	4.236,525	55.199,224	13,029	12,561	53	96.220	4.385,856	61.985,173	14,133	13,665
54	92.360	3.971,600	50.962,699	12,832	12,364	54	95.916	4.124,535	57.599,317	13,965	13,497
55	91.733	3.721,352	46.991,099	12,627	12,159	55	95.583	3.877,537	53.474,781	13,791	13,323
56	91.046	3.484,430	43.269,747	12,418	11,950	56	95.221	3.644,201	49.597,244	13,610	13,142
57	90.333	3.261,455	39.785,317	12,199	11,731	57	94.838	3.424,123	45.953,043	13,420	12,952
58	89.551	3.050,221	36.523,862	11,974	11,506	58	94.415	3.215,888	42.528,919	13,225	12,757
59	88.698	2.850,144	33.473,641	11,745	11,277	59	93.960	3.019,247	39.313,031	13,021	12,553
60	87.765	2.660,552	30.623,497	11,510	11,042	60	93.483	2.833,866	36.293,785	12,807	12,339
61	86.777	2.481,697	27.962,945	11,268	10,800	61	92.968	2.658,743	33.459,919	12,585	12,117
62	85.735	2.313,103	25.481,248	11,016	10,548	62	92.445	2.494,133	30.801,176	12,349	11,881
63	84.580	2.152,779	23.168,145	10,762	10,294	63	91.863	2.338,149	28.307,043	12,107	11,639
64	83.358	2.001,575	21.015,366	10,499	10,031	64	91.238	2.190,797	25.968,895	11,854	11,386
65	82.042	1.858,478	19.013,792	10,231	9,763	65	90.571	2.051,676	23.778,097	11,590	11,122
66	80.606	1.722,575	17.155,314	9,959	9,491	66	89.831	1.919,735	21.726,421	11,317	10,849
67	79.063	1.593,976	15.432,738	9,682	9,214	67	89.018	1.794,669	19.806,687	11,036	10,568
68	77.370	1.471,541	13.838,762	9,404	8,936	68	88.113	1.675,873	18.012,018	10,748	10,280
69	75.541	1.355,428	12.367,222	9,124	8,656	69	87.105	1.562,930	16.336,145	10,452	9,984
70	73.595	1.245,777	11.011,794	8,839	8,371	70	85.994	1.455,650	14.773,215	10,149	9,681
71	71.497	1.141,745	9.766,017	8,554	8,086	71	84.772	1.353,736	13.317,565	9,838	9,370
72	69.245	1.043,198	8.624,273	8,267	7,799	72	83.397	1.256,405	11.963,828	9,522	9,054
73	66.807	949,502	7.581,074	7,984	7,516	73	81.894	1.163,918	10.707,423	9,199	8,731
74	64.216	861,016	6.631,572	7,702	7,234	74	80.225	1.075,666	9.543,505	8,872	8,404
75	61.490	777,793	5.770,556	7,419	6,951	75	78.399	991,681	8.467,839	8,539	8,071
76	58.647	699,841	4.992,763	7,134	6,666	76	76.367	911,292	7.476,158	8,204	7,736
77	55.721	627,291	4.292,923	6,844	6,376	77	74.156	834,822	6.564,866	7,864	7,396
78	52.671	559,392	3.665,631	6,553	6,085	78	71.743	761,947	5.730,043	7,520	7,052
79	49.474	495,694	3.106,239	6,266	5,798	79	69.084	692,177	4.968,097	7,177	6,710
80	46.179	436,494	2.610,546	5,981	5,513	80	66.178	625,528	4.275,920	6,836	6,368
81	42.747	381,184	2.174,051	5,703	5,235	81	62.954	561,373	3.650,392	6,503	6,035
82	39.238	330,082	1.792,868	5,432	4,964	82	59.445	500,076	3.089,019	6,177	5,709
83	35.555	282,169	1.462,786	5,184	4,716	83	55.604	441,282	2.588,944	5,867	5,399
84	31.932	239,073	1.180,617	4,938	4,470	84	51.619	386,472	2.147,662	5,557	5,089
85	28.411	200,671	941,544	4,692	4,224	85	47.471	335,297	1.761,190	5,253	4,785
86	25.109	167,313	740,873	4,428	3,960	86	43.349	288,854	1.425,893	4,936	4,468
87	21.783	136,934	573,560	4,189	3,721	87	38.979	245,031	1.137,040	4,640	4,172
88	18.512	109,783	436,626	3,977	3,509	88	34.384	203,913	892,008	4,374	3,906
89	15.448	86,428	326,843	3,782	3,314	89	29.862	167,068	688,096	4,119	3,651
90	12.671	66,876	240,414	3,595	3,127	90	25.436	134,250	521,027	3,881	3,413
91	10.212	50,850	173,538	3,413	2,945	91	21.278	105,948	386,778	3,651	3,183
92	8.040	37,768	122,688	3,248	2,780	92	17.290	81,220	280,829	3,458	2,990
93	6.192	27,438	84,919	3,095	2,627	93	13.739	60,885	199,609	3,278	2,810
94	4.658	19,475	57,481	2,952	2,484	94	10.662	44,573	138,724	3,112	2,644
95	3.420	13,487	38,006	2,818	2,350	95	8.069	31,826	94,151	2,958	2,490
96	2.447	9,103	24,519	2,693	2,225	96	5.949	22,135	62,324	2,816	2,348
97	1.704	5,981	15,416	2,577	2,109	97	4.266	14,976	40,190	2,684	2,216
98	1.154	3,821	9,434	2,469	2,001	98	2.973	9,844	25,214	2,561	2,093
99	759	2,370	5,614	2,369	1,901	99	2.010	6,278	15,370	2,448	1,980
100	484	1,426	3,244	2,275	1,807	100	1316	3,880	9,092	2,344	1,876

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Rente
nach der Sterbetafel 2002/2004**

Zinsfuß 6,25%

x	l _x	D _x	N _x	ä _x	⁽¹²⁾ ä _x	y	l _y	D _y	N _y	ä _y	⁽¹²⁾ ä _y
0	100.000	100.000,000	1.664.120,244	16,641	16,173	0	100.000	100.000,000	1.674.623,721	16,746	16,278
1	99.544	93.688,254	1.564.120,244	16,695	16,227	1	99.620	93.760,288	1.574.623,721	16,794	16,326
2	99.504	88.141,557	1.470.431,991	16,683	16,214	2	99.585	88.213,373	1.480.863,433	16,787	16,319
3	99.484	82.940,058	1.382.290,433	16,666	16,198	3	99.565	83.007,936	1.392.650,060	16,777	16,309
4	99.465	78.046,991	1.299.350,375	16,648	16,180	4	99.548	78.111,706	1.309.642,124	16,766	16,298
5	99.452	73.446,141	1.221.303,384	16,629	16,160	5	99.535	73.507,405	1.231.530,417	16,754	16,285
6	99.438	69.116,313	1.147.857,243	16,608	16,139	6	99.522	69.174,396	1.158.023,012	16,741	16,272
7	99.427	65.043,066	1.078.740,930	16,585	16,117	7	99.513	65.099,315	1.088.848,616	16,726	16,258
8	99.415	61.209,445	1.013.697,864	16,561	16,093	8	99.504	61.264,607	1.023.749,301	16,710	16,242
9	99.403	57.602,039	952.488,419	16,536	16,067	9	99.495	57.655,272	962.484,694	16,694	16,225
10	99.393	54.208,611	894.886,380	16,508	16,040	10	99.488	54.260,279	904.829,422	16,676	16,207
11	99.384	51.015,075	840.677,769	16,479	16,011	11	99.480	51.064,204	850.569,142	16,657	16,189
12	99.370	48.007,251	789.662,695	16,449	15,980	12	99.470	48.055,920	799.504,939	16,637	16,169
13	99.357	45.177,395	741.655,443	16,417	15,948	13	99.462	45.225,260	751.449,019	16,616	16,147
14	99.344	42.514,388	696.478,049	16,382	15,914	14	99.452	42.560,826	706.223,759	16,593	16,125
15	99.326	40.006,159	653.963,661	16,347	15,878	15	99.441	40.052,581	663.662,933	16,570	16,101
16	99.302	37.643,974	613.957,502	16,310	15,841	16	99.423	37.689,811	623.610,352	16,546	16,078
17	99.264	35.416,053	576.313,528	16,273	15,804	17	99.402	35.465,251	585.920,541	16,521	16,053
18	99.214	33.315,860	540.897,475	16,235	15,767	18	99.380	33.371,716	550.455,290	16,495	16,026
19	99.139	31.332,320	507.581,615	16,200	15,732	19	99.352	31.399,641	517.083,574	16,468	15,999
20	99.059	29.465,492	476.249,295	16,163	15,695	20	99.324	29.544,411	485.683,933	16,439	15,971
21	98.983	27.711,144	446.783,803	16,123	15,655	21	99.293	27.797,722	456.139,522	16,409	15,941
22	98.906	26.060,626	419.072,659	16,081	15,612	22	99.268	26.156,160	428.341,800	16,376	15,908
23	98.831	24.509,156	393.012,033	16,035	15,567	23	99.241	24.610,898	402.185,640	16,342	15,873
24	98.758	23.050,343	368.502,877	15,987	15,519	24	99.216	23.157,154	377.574,742	16,305	15,837
25	98.686	21.678,699	345.452,535	15,935	15,467	25	99.189	21.789,048	354.417,588	16,266	15,798
26	98.614	20.388,557	323.773,835	15,880	15,412	26	99.164	20.502,293	332.628,540	16,224	15,756
27	98.544	19.175,507	303.385,278	15,821	15,353	27	99.136	19.290,873	312.126,247	16,180	15,712
28	98.473	18.034,629	284.209,772	15,759	15,291	28	99.108	18.150,825	292.835,374	16,133	15,665
29	98.401	16.961,292	266.175,142	15,693	15,225	29	99.078	17.078,059	274.684,549	16,084	15,616
30	98.331	15.952,341	249.213,850	15,622	15,154	30	99.049	16.068,762	257.606,490	16,032	15,563
31	98.260	15.003,000	233.261,509	15,548	15,079	31	99.017	15.118,589	241.537,728	15,976	15,508
32	98.182	14.109,320	218.258,509	15,469	15,001	32	98.981	14.224,178	226.419,139	15,918	15,450
33	98.102	13.268,480	204.149,190	15,386	14,918	33	98.946	13.382,701	212.194,962	15,856	15,388
34	98.016	12.477,027	190.880,709	15,299	14,830	34	98.907	12.590,450	198.812,261	15,791	15,322
35	97.922	11.731,869	178.403,682	15,207	14,738	35	98.860	11.844,280	186.221,810	15,723	15,254
36	97.819	11.030,204	166.671,814	15,110	14,642	36	98.810	11.141,851	174.377,530	15,651	15,182
37	97.709	10.369,649	155.641,610	15,009	14,541	37	98.754	10.480,518	163.235,679	15,575	15,107
38	97.591	9.747,879	145.271,961	14,903	14,435	38	98.693	9.857,968	152.755,161	15,496	15,027
39	97.457	9.161,832	135.524,082	14,792	14,324	39	98.624	9.271,598	142.897,193	15,412	14,944
40	97.306	8.609,610	126.362,250	14,677	14,209	40	98.545	8.719,226	133.625,595	15,325	14,857
41	97.139	8.089,208	117.752,640	14,557	14,088	41	98.459	8.199,191	124.906,369	15,234	14,766
42	96.954	7.598,909	109.663,432	14,431	13,963	42	98.362	7.709,258	116.707,178	15,139	14,670
43	96.740	7.136,140	102.064,523	14,302	13,834	43	98.252	7.247,612	108.997,920	15,039	14,571
44	96.501	6.699,741	94.928,383	14,169	13,701	44	98.124	6.812,427	101.750,308	14,936	14,468
45	96.242	6.288,721	88.228,642	14,030	13,561	45	97.987	6.402,771	94.937,880	14,828	14,359
46	95.946	5.900,584	81.939,921	13,887	13,418	46	97.832	6.016,580	88.535,109	14,715	14,247
47	95.620	5.534,641	76.039,337	13,739	13,270	47	97.656	5.652,494	82.518,529	14,599	14,130
48	95.262	5.189,550	70.504,696	13,586	13,118	48	97.466	5.309,649	76.866,035	14,477	14,008
49	94.873	4.864,343	65.315,145	13,427	12,959	49	97.260	4.986,722	71.556,387	14,349	13,881

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Rente
nach der Sterbetafel 2002/2004**

Zinsfuß 6,25%

x	l _x	D _x	N _x	ä _x	⁽¹²⁾ ä _x	y	l _y	D _y	N _y	ä _y	⁽¹²⁾ ä _y
50	94.447	4.557,656	60.450,803	13,264	12,795	50	97.026	4.682,090	66.569,664	14,218	13,750
51	93.979	4.268,303	55.893,147	13,095	12,627	51	96.781	4.395,539	61.887,574	14,080	13,611
52	93.492	3.996,414	51.624,844	12,918	12,449	52	96.512	4.125,488	57.492,035	13,936	13,467
53	92.944	3.739,271	47.628,431	12,737	12,269	53	96.220	3.871,074	53.366,547	13,786	13,318
54	92.360	3.497,193	43.889,160	12,550	12,081	54	95.916	3.631,860	49.495,473	13,628	13,160
55	91.733	3.269,126	40.391,967	12,356	11,887	55	95.583	3.406,332	45.863,613	13,464	12,996
56	91.046	3.053,793	37.122,841	12,156	11,688	56	95.221	3.193,819	42.457,281	13,294	12,825
57	90.333	2.851,650	34.069,048	11,947	11,479	57	94.838	2.993,879	39.263,463	13,115	12,646
58	89.551	2.660,682	31.217,398	11,733	11,264	58	94.415	2.805,192	36.269,584	12,929	12,461
59	88.698	2.480,307	28.556,715	11,513	11,045	59	93.960	2.627,467	33.464,392	12,736	12,268
60	87.765	2.309,869	26.076,408	11,289	10,821	60	93.483	2.460,338	30.836,925	12,534	12,065
61	86.777	2.149,519	23.766,539	11,057	10,588	61	92.968	2.302,867	28.376,586	12,322	11,854
62	85.735	1.998,777	21.617,020	10,815	10,347	62	92.445	2.155,207	26.073,719	12,098	11,630
63	84.580	1.855,863	19.618,243	10,571	10,103	63	91.863	2.015,666	23.918,512	11,866	11,398
64	83.358	1.721,453	17.762,381	10,318	9,850	64	91.238	1.884,193	21.902,846	11,625	11,156
65	82.042	1.594,621	16.040,928	10,059	9,591	65	90.571	1.760,390	20.018,653	11,372	10,903
66	80.606	1.474,536	14.446,307	9,797	9,329	66	89.831	1.643,306	18.258,263	11,111	10,642
67	79.063	1.361,244	12.971,771	9,529	9,061	67	89.018	1.532,634	16.614,957	10,841	10,372
68	77.370	1.253,728	11.610,527	9,261	8,792	68	88.113	1.427,816	15.082,323	10,563	10,095
69	75.541	1.152,085	10.356,799	8,990	8,521	69	87.105	1.328,457	13.654,507	10,278	9,810
70	73.595	1.056,392	9.204,715	8,713	8,245	70	85.994	1.234,360	12.326,051	9,986	9,517
71	71.497	965,897	8.148,323	8,436	7,968	71	84.772	1.145,238	11.091,690	9,685	9,217
72	69.245	880,452	7.182,426	8,158	7,689	72	83.397	1.060,397	9.946,452	9,380	8,912
73	66.807	799,488	6.301,974	7,883	7,414	73	81.894	980,027	8.886,055	9,067	8,599
74	64.216	723,275	5.502,486	7,608	7,139	74	80.225	903,587	7.906,028	8,750	8,281
75	61.490	651,829	4.779,211	7,332	6,864	75	78.399	831,078	7.002,441	8,426	7,957
76	58.647	585,121	4.127,383	7,054	6,586	76	76.367	761,911	6.171,363	8,100	7,631
77	55.721	523,230	3.542,262	6,770	6,302	77	74.156	696,334	5.409,453	7,768	7,300
78	52.671	465,497	3.019,032	6,486	6,017	78	71.743	634,052	4.713,119	7,433	6,965
79	49.474	411,520	2.553,535	6,205	5,737	79	69.084	574,638	4.079,067	7,099	6,630
80	46.179	361,520	2.142,016	5,925	5,457	80	66.178	518,085	3.504,430	6,764	6,296
81	42.747	314,967	1.780,495	5,653	5,185	81	62.954	463,856	2.986,345	6,438	5,970
82	39.238	272,101	1.465,528	5,386	4,918	82	59.445	412,234	2.522,489	6,119	5,651
83	35.555	232,057	1.193,428	5,143	4,674	83	55.604	362,912	2.110,256	5,815	5,346
84	31.932	196,152	961,371	4,901	4,433	84	51.619	317,088	1.747,344	5,511	5,042
85	28.411	164,257	765,219	4,659	4,190	85	47.471	274,453	1.430,256	5,211	4,743
86	25.109	136,630	600,962	4,398	3,930	86	43.349	235,881	1.155,803	4,900	4,432
87	21.783	111,559	464,332	4,162	3,694	87	38.979	199,624	919,922	4,608	4,140
88	18.512	89,229	352,773	3,954	3,485	88	34.384	165,735	720,297	4,346	3,878
89	15.448	70,081	263,544	3,761	3,292	89	29.862	135,469	554,562	4,094	3,625
90	12.671	54,100	193,463	3,576	3,108	90	25.436	108,602	419,093	3,859	3,391
91	10.212	41,039	139,363	3,396	2,928	91	21.278	85,505	310,491	3,631	3,163
92	8.040	30,409	98,325	3,233	2,765	92	17.290	65,395	224,986	3,440	2,972
93	6.192	22,040	67,915	3,081	2,613	93	13.739	48,907	159,591	3,263	2,795
94	4.658	15,606	45,875	2,940	2,471	94	10.662	35,719	110,685	3,099	2,630
95	3.420	10,783	30,269	2,807	2,339	95	8.069	25,444	74,965	2,946	2,478
96	2.447	7,261	19,486	2,684	2,215	96	5.949	17,655	49,521	2,805	2,337
97	1.704	4,759	12,225	2,569	2,100	97	4.266	11,917	31,866	2,674	2,206
98	1.154	3,033	7,466	2,461	1,993	98	2.973	7,814	19,950	2,553	2,085
99	759	1,877	4,433	2,362	1,893	99	2.010	4,972	12,135	2,441	1,972
100	484	1,127	2,556	2,269	1,800	100	1316	3,065	7,163	2,337	1,868

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Rente
nach der Sterbetafel 2002/2004**

Zinsfuß 6,50%

x	l _x	D _x	N _x	ä _x	⁽¹²⁾ ä _x	y	l _y	D _y	N _y	ä _y	⁽¹²⁾ ä _y
0	100.000	100.000,000	1.607.102,357	16,071	15,602	0	100.000	100.000,000	1.616.397,558	16,164	15,695
1	99.544	93.468,328	1.507.102,357	16,124	15,655	1	99.620	93.540,194	1.516.397,558	16,211	15,742
2	99.504	87.728,233	1.413.634,028	16,114	15,645	2	99.585	87.799,712	1.422.857,364	16,206	15,737
3	99.484	82.357,343	1.325.905,795	16,099	15,631	3	99.565	82.424,744	1.335.057,652	16,197	15,729
4	99.465	77.316,732	1.243.548,452	16,084	15,615	4	99.548	77.380,842	1.252.632,908	16,188	15,719
5	99.452	72.588,134	1.166.231,720	16,066	15,598	5	99.535	72.648,683	1.175.252,067	16,177	15,708
6	99.438	68.148,539	1.093.643,586	16,048	15,579	6	99.522	68.205,809	1.102.603,383	16,166	15,697
7	99.427	63.981,781	1.025.495,047	16,028	15,559	7	99.513	64.037,112	1.034.397,575	16,153	15,684
8	99.415	60.069,371	961.513,266	16,007	15,538	8	99.504	60.123,507	970.360,463	16,139	15,671
9	99.403	56.396,459	901.443,895	15,984	15,515	9	99.495	56.448,578	910.236,956	16,125	15,656
10	99.393	52.949,466	845.047,436	15,960	15,491	10	99.488	52.999,935	853.788,379	16,109	15,640
11	99.384	49.713,137	792.097,969	15,933	15,465	11	99.480	49.761,012	800.788,444	16,093	15,624
12	99.370	46.672,258	742.384,833	15,906	15,438	12	99.470	46.719,573	751.027,432	16,075	15,606
13	99.357	43.817,993	695.712,575	15,877	15,409	13	99.462	43.864,418	704.307,859	16,056	15,588
14	99.344	41.138,321	651.894,581	15,846	15,378	14	99.452	41.183,256	660.443,441	16,037	15,568
15	99.326	38.620,405	610.756,260	15,814	15,346	15	99.441	38.665,218	619.260,185	16,016	15,547
16	99.302	36.254,737	572.135,855	15,781	15,312	16	99.423	36.298,883	580.594,966	15,995	15,526
17	99.264	34.028,968	535.881,118	15,748	15,279	17	99.402	34.076,240	544.296,084	15,973	15,504
18	99.214	31.935,888	501.852,150	15,714	15,246	18	99.380	31.989,430	510.219,844	15,950	15,481
19	99.139	29.964,004	469.916,263	15,683	15,214	19	99.352	30.028,385	478.230,414	15,926	15,457
20	99.059	28.112,555	439.952,259	15,650	15,181	20	99.324	28.187,850	448.202,030	15,901	15,432
21	98.983	26.376,696	411.839,704	15,614	15,145	21	99.293	26.459,105	420.014,179	15,874	15,405
22	98.906	24.747,432	385.463,008	15,576	15,107	22	99.268	24.838,152	393.555,074	15,845	15,376
23	98.831	23.219,505	360.715,576	15,535	15,066	23	99.241	23.315,894	368.716,923	15,814	15,345
24	98.758	21.786,192	337.496,071	15,491	15,023	24	99.216	21.887,146	345.401,029	15,781	15,312
25	98.686	20.441,676	315.709,879	15,444	14,976	25	99.189	20.545,727	323.513,883	15,746	15,277
26	98.614	19.180,022	295.268,204	15,395	14,926	26	99.164	19.287,016	302.968,155	15,708	15,240
27	98.544	17.996,530	276.088,182	15,341	14,872	27	99.136	18.104,804	283.681,140	15,669	15,200
28	98.473	16.886,066	258.091,651	15,284	14,816	28	99.108	16.994,862	265.576,336	15,627	15,158
29	98.401	15.843,807	241.205,585	15,224	14,755	29	99.078	15.952,880	248.581,474	15,582	15,113
30	98.331	14.866,350	225.361,779	15,159	14,690	30	99.049	14.974,846	232.628,594	15,535	15,066
31	98.260	13.948,816	210.495,428	15,091	14,622	31	99.017	14.056,284	217.653,748	15,484	15,016
32	98.182	13.087,137	196.546,612	15,018	14,550	32	98.981	13.193,674	203.597,464	15,431	14,963
33	98.102	12.278,325	183.459,475	14,942	14,473	33	98.946	12.384,021	190.403,790	15,375	14,906
34	98.016	11.518,830	171.181,150	14,861	14,392	34	98.907	11.623,543	178.019,769	15,315	14,847
35	97.922	10.805,473	159.662,320	14,776	14,307	35	98.860	10.909,008	166.396,226	15,253	14,784
36	97.819	10.135,366	148.856,847	14,687	14,218	36	98.810	10.237,956	155.487,218	15,187	14,719
37	97.709	9.506,033	138.721,448	14,593	14,124	37	98.754	9.607,668	145.249,262	15,118	14,649
38	97.591	8.915,069	129.215,448	14,494	14,025	38	98.693	9.015,753	135.641,594	15,045	14,576
39	97.457	8.359,422	120.300,380	14,391	13,922	39	98.624	8.459,574	126.625,841	14,968	14,500
40	97.306	7.837,124	111.940,958	14,283	13,815	40	98.545	7.936,905	118.166,267	14,888	14,419
41	97.139	7.346,129	104.103,834	14,171	13,703	41	98.459	7.446,010	110.229,362	14,804	14,335
42	96.954	6.884,670	96.757,705	14,054	13,585	42	98.362	6.984,647	102.783,353	14,716	14,247
43	96.740	6.450,221	89.873,035	13,933	13,465	43	98.252	6.550,978	95.798,706	14,624	14,155
44	96.501	6.041,553	83.422,813	13,808	13,339	44	98.124	6.143,169	89.247,727	14,528	14,059
45	96.242	5.657,600	77.381,261	13,677	13,209	45	97.987	5.760,204	83.104,559	14,427	13,959
46	95.946	5.295,954	71.723,660	13,543	13,074	46	97.832	5.400,064	77.344,354	14,323	13,854
47	95.620	4.955,848	66.427,706	13,404	12,935	47	97.656	5.061,376	71.944,290	14,214	13,746
48	95.262	4.635,938	61.471,858	13,260	12,791	48	97.466	4.743,224	66.882,914	14,101	13,632
49	94.873	4.335,222	56.835,920	13,110	12,642	49	97.260	4.444,290	62.139,689	13,982	13,513

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Rente
nach der Sterbetafel 2002/2004**

Zinsfuß 6,50%

x	l _x	D _x	N _x	ä _x	⁽¹²⁾ ä _x	y	l _y	D _y	N _y	ä _y	⁽¹²⁾ ä _y
50	94.447	4.052,361	52.500,698	12,956	12,487	50	97.026	4.162,999	57.695,399	13,859	13,390
51	93.979	3.786,178	48.448,337	12,796	12,327	51	96.781	3.899,043	53.532,400	13,730	13,261
52	93.492	3.536,679	44.662,159	12,628	12,160	52	96.512	3.650,905	49.633,357	13,595	13,126
53	92.944	3.301,349	41.125,480	12,457	11,988	53	96.220	3.417,716	45.982,452	13,454	12,985
54	92.360	3.080,374	37.824,131	12,279	11,810	54	95.916	3.198,990	42.564,735	13,306	12,837
55	91.733	2.872,730	34.743,757	12,094	11,626	55	95.583	2.993,299	39.365,745	13,151	12,683
56	91.046	2.677,208	31.871,026	11,905	11,436	56	95.221	2.799,966	36.372,446	12,990	12,522
57	90.333	2.494,124	29.193,818	11,705	11,236	57	94.838	2.618,521	33.572,480	12,821	12,352
58	89.551	2.321,637	26.699,694	11,500	11,032	58	94.415	2.447,732	30.953,958	12,646	12,177
59	88.698	2.159,166	24.378,057	11,290	10,822	59	93.960	2.287,272	28.506,227	12,463	11,994
60	87.765	2.006,075	22.218,892	11,076	10,607	60	93.483	2.136,755	26.218,955	12,270	11,802
61	86.777	1.862,432	20.212,816	10,853	10,384	61	92.968	1.995,299	24.082,200	12,069	11,601
62	85.735	1.727,758	18.350,384	10,621	10,152	62	92.445	1.862,977	22.086,901	11,856	11,387
63	84.580	1.600,456	16.622,626	10,386	9,917	63	91.863	1.738,267	20.223,923	11,635	11,166
64	83.358	1.481,059	15.022,171	10,143	9,674	64	91.238	1.621,073	18.485,657	11,403	10,935
65	82.042	1.368,718	13.541,112	9,893	9,425	65	90.571	1.511,004	16.864,583	11,161	10,692
66	80.606	1.262,674	12.172,393	9,640	9,171	66	89.831	1.407,195	15.353,580	10,911	10,442
67	79.063	1.162,923	10.909,719	9,381	8,913	67	89.018	1.309,343	13.946,385	10,651	10,183
68	77.370	1.068,557	9.746,796	9,121	8,653	68	88.113	1.216,933	12.637,042	10,384	9,916
69	75.541	979,621	8.678,239	8,859	8,390	69	87.105	1.129,591	11.420,109	10,110	9,641
70	73.595	896,145	7.698,618	8,591	8,122	70	85.994	1.047,117	10.290,518	9,827	9,359
71	71.497	817,454	6.802,473	8,322	7,853	71	84.772	969,233	9.243,401	9,537	9,068
72	69.245	743,391	5.985,019	8,051	7,582	72	83.397	895,324	8.274,168	9,242	8,773
73	66.807	673,446	5.241,628	7,783	7,315	73	81.894	825,523	7.378,844	8,938	8,470
74	64.216	607,819	4.568,182	7,516	7,047	74	80.225	759,348	6.553,321	8,630	8,161
75	61.490	546,491	3.960,363	7,247	6,778	75	78.399	696,773	5.793,973	8,315	7,847
76	58.647	489,412	3.413,872	6,975	6,507	76	76.367	637,284	5.097,200	7,998	7,530
77	55.721	436,617	2.924,460	6,698	6,229	77	74.156	581,067	4.459,916	7,675	7,207
78	52.671	387,529	2.487,842	6,420	5,951	78	71.743	527,853	3.878,849	7,348	6,880
79	49.474	341,789	2.100,313	6,145	5,676	79	69.084	477,267	3.350,997	7,021	6,552
80	46.179	299,557	1.758,524	5,870	5,402	80	66.178	429,286	2.873,730	6,694	6,225
81	42.747	260,370	1.458,968	5,603	5,135	81	62.954	383,450	2.444,443	6,375	5,906
82	39.238	224,406	1.198,597	5,341	4,872	82	59.445	339,976	2.060,993	6,062	5,593
83	35.555	190,932	974,191	5,102	4,634	83	55.604	298,597	1.721,017	5,764	5,295
84	31.932	161,011	783,260	4,865	4,396	84	51.619	260,282	1.422,420	5,465	4,996
85	28.411	134,514	622,248	4,626	4,157	85	47.471	224,756	1.162,138	5,171	4,702
86	25.109	111,627	487,735	4,369	3,901	86	43.349	192,715	937,382	4,864	4,395
87	21.783	90,930	376,108	4,136	3,668	87	38.979	162,710	744,667	4,577	4,108
88	18.512	72,558	285,178	3,930	3,462	88	34.384	134,770	581,957	4,318	3,849
89	15.448	56,854	212,620	3,740	3,271	89	29.862	109,901	447,186	4,069	3,600
90	12.671	43,786	155,765	3,557	3,089	90	25.436	87,898	337,285	3,837	3,369
91	10.212	33,137	111,980	3,379	2,911	91	21.278	69,042	249,388	3,612	3,143
92	8.040	24,496	78,843	3,219	2,750	92	17.290	52,679	180,346	3,423	2,955
93	6.192	17,713	54,346	3,068	2,599	93	13.739	39,305	127,667	3,248	2,779
94	4.658	12,513	36,633	2,928	2,459	94	10.662	28,639	88,362	3,085	2,617
95	3.420	8,625	24,120	2,796	2,328	95	8.069	20,353	59,723	2,934	2,466
96	2.447	5,794	15,495	2,674	2,205	96	5.949	14,089	39,370	2,794	2,326
97	1.704	3,789	9,701	2,560	2,091	97	4.266	9,487	25,281	2,665	2,196
98	1.154	2,409	5,911	2,454	1,985	98	2.973	6,207	15,793	2,545	2,076
99	759	1,487	3,502	2,355	1,886	99	2.010	3,940	9,587	2,433	1,964
100	484	0,891	2,015	2,262	1,794	100	1316	2,423	5,647	2,330	1,861

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Rente
nach der Sterbetafel 2002/2004**

Zinsfuß 6,75%

x	l _x	D _x	N _x	ä _x	⁽¹²⁾ ä _x	y	l _y	D _y	N _y	ä _y	⁽¹²⁾ ä _y
0	100.000	100.000,000	1.553.883,497	15,539	15,070	0	100.000	100.000,000	1.562.137,696	15,621	15,152
1	99.544	93.249,433	1.453.883,497	15,591	15,122	1	99.620	93.321,130	1.462.137,696	15,668	15,199
2	99.504	87.317,809	1.360.634,064	15,583	15,113	2	99.585	87.388,954	1.368.816,566	15,663	15,194
3	99.484	81.780,074	1.273.316,255	15,570	15,101	3	99.565	81.847,003	1.281.427,612	15,656	15,187
4	99.465	76.594,993	1.191.536,180	15,556	15,087	4	99.548	76.658,505	1.199.580,610	15,648	15,179
5	99.452	71.742,128	1.114.941,187	15,541	15,072	5	99.535	71.801,971	1.122.922,105	15,639	15,170
6	99.438	67.196,538	1.043.199,059	15,525	15,055	6	99.522	67.253,007	1.051.120,133	15,629	15,160
7	99.427	62.940,240	976.002,521	15,507	15,038	7	99.513	62.994,670	983.867,126	15,618	15,149
8	99.415	58.953,132	913.062,281	15,488	15,019	8	99.504	59.006,261	920.872,457	15,606	15,137
9	99.403	55.218,849	854.109,150	15,468	14,999	9	99.495	55.269,880	861.866,196	15,594	15,125
10	99.393	51.722,419	798.890,300	15,446	14,977	10	99.488	51.771,718	806.596,316	15,580	15,111
11	99.384	48.447,362	747.167,882	15,422	14,953	11	99.480	48.494,018	754.824,598	15,565	15,096
12	99.370	45.377,389	698.720,520	15,398	14,929	12	99.470	45.423,391	706.330,580	15,550	15,081
13	99.357	42.502,541	653.343,131	15,372	14,903	13	99.462	42.547,572	660.907,189	15,533	15,064
14	99.344	39.809,865	610.840,590	15,344	14,875	14	99.452	39.853,349	618.359,617	15,516	15,047
15	99.326	37.285,733	571.030,725	15,315	14,846	15	99.441	37.328,998	578.506,268	15,498	15,028
16	99.302	34.919,848	533.744,992	15,285	14,816	16	99.423	34.962,368	541.177,270	15,479	15,010
17	99.264	32.699,272	498.825,144	15,255	14,786	17	99.402	32.744,697	506.214,902	15,459	14,990
18	99.214	30.616,111	466.125,872	15,225	14,756	18	99.380	30.667,440	473.470,205	15,439	14,970
19	99.139	28.658,444	435.509,761	15,197	14,727	19	99.352	28.720,019	442.802,765	15,418	14,949
20	99.059	26.824,695	406.851,317	15,167	14,698	20	99.324	26.896,541	414.082,745	15,395	14,926
21	98.983	25.109,416	380.026,622	15,135	14,666	21	99.293	25.187,865	387.186,204	15,372	14,903
22	98.906	23.503,258	354.917,207	15,101	14,632	22	99.268	23.589,417	361.998,339	15,346	14,877
23	98.831	22.000,503	331.413,949	15,064	14,595	23	99.241	22.091,831	338.408,922	15,318	14,849
24	98.758	20.594,095	309.413,446	15,024	14,555	24	99.216	20.689,525	316.317,091	15,289	14,820
25	98.686	19.277,894	288.819,351	14,982	14,513	25	99.189	19.376,022	295.627,566	15,257	14,788
26	98.614	18.045,708	269.541,457	14,937	14,467	26	99.164	18.146,374	276.251,544	15,224	14,754
27	98.544	16.892,555	251.495,749	14,888	14,419	27	99.136	16.994,186	258.105,170	15,188	14,719
28	98.473	15.813,090	234.603,194	14,836	14,367	28	99.108	15.914,973	241.110,983	15,150	14,681
29	98.401	14.802,311	218.790,104	14,781	14,312	29	99.078	14.904,215	225.196,010	15,110	14,640
30	98.331	13.856,581	203.987,793	14,721	14,252	30	99.049	13.957,707	210.291,796	15,066	14,597
31	98.260	12.970,921	190.131,212	14,658	14,189	31	99.017	13.070,854	196.334,089	15,021	14,552
32	98.182	12.141,150	177.160,291	14,592	14,123	32	98.981	12.239,986	183.263,235	14,973	14,503
33	98.102	11.364,125	165.019,141	14,521	14,052	33	98.946	11.461,952	171.023,248	14,921	14,452
34	98.016	10.636,212	153.655,016	14,446	13,977	34	98.907	10.732,901	159.561,296	14,867	14,397
35	97.922	9.954,149	143.018,804	14,368	13,899	35	98.860	10.049,527	148.828,395	14,809	14,340
36	97.819	9.314,971	133.064,655	14,285	13,816	36	98.810	9.409,257	138.778,869	14,749	14,280
37	97.709	8.716,118	123.749,684	14,198	13,729	37	98.754	8.809,308	129.369,612	14,686	14,216
38	97.591	8.155,117	115.033,566	14,106	13,637	38	98.693	8.247,219	120.560,304	14,618	14,149
39	97.457	7.628,927	106.878,449	14,010	13,541	39	98.624	7.720,327	112.313,085	14,548	14,079
40	97.306	7.135,521	99.249,522	13,909	13,440	40	98.545	7.226,369	104.592,758	14,474	14,005
41	97.139	6.672,817	92.114,000	13,804	13,335	41	98.459	6.763,543	97.366,389	14,396	13,927
42	96.954	6.239,008	85.441,183	13,695	13,226	42	98.362	6.329,609	90.602,845	14,314	13,845
43	96.740	5.831,614	79.202,175	13,582	13,112	43	98.252	5.922,708	84.273,236	14,229	13,760
44	96.501	5.449,347	73.370,561	13,464	12,995	44	98.124	5.541,002	78.350,529	14,140	13,671
45	96.242	5.091,079	67.921,215	13,341	12,872	45	97.987	5.183,409	72.809,527	14,047	13,578
46	95.946	4.754,486	62.830,136	13,215	12,746	46	97.832	4.847,951	67.626,118	13,949	13,480
47	95.620	4.438,733	58.075,650	13,084	12,615	47	97.656	4.533,250	62.778,166	13,848	13,379
48	95.262	4.142,479	53.636,917	12,948	12,479	48	97.466	4.238,346	58.244,916	13,742	13,273
49	94.873	3.864,701	49.494,438	12,807	12,338	49	97.260	3.961,931	54.006,570	13,631	13,162

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Rente
nach der Sterbetafel 2002/2004**

Zinsfuß 6,75%

x	l _x	D _x	N _x	ä _x	⁽¹²⁾ ä _x	y	l _y	D _y	N _y	ä _y	⁽¹²⁾ ä _y
50	94.447	3.604,079	45.629,737	12,661	12,191	50	97.026	3.702,478	50.044,640	13,517	13,047
51	93.979	3.359,456	42.025,658	12,510	12,041	51	96.781	3.459,600	46.342,161	13,395	12,926
52	93.492	3.130,728	38.666,202	12,351	11,881	52	96.512	3.231,843	42.882,561	13,269	12,800
53	92.944	2.915,566	35.535,474	12,188	11,719	53	96.220	3.018,335	39.650,718	13,137	12,667
54	92.360	2.714,042	32.619,908	12,019	11,550	54	95.916	2.818,552	36.632,383	12,997	12,528
55	91.733	2.525,165	29.905,867	11,843	11,374	55	95.583	2.631,146	33.813,831	12,851	12,382
56	91.046	2.347,787	27.380,702	11,662	11,193	56	95.221	2.455,440	31.182,685	12,699	12,230
57	90.333	2.182,109	25.032,915	11,472	11,003	57	94.838	2.290,943	28.727,245	12,539	12,070
58	89.551	2.026,442	22.850,806	11,276	10,807	58	94.415	2.136,505	26.436,302	12,374	11,904
59	88.698	1.880,216	20.824,364	11,076	10,606	59	93.960	1.991,771	24.299,797	12,200	11,731
60	87.765	1.742,813	18.944,148	10,870	10,401	60	93.483	1.856,343	22.308,026	12,017	11,548
61	86.777	1.614,231	17.201,336	10,656	10,187	61	92.968	1.729,391	20.451,683	11,826	11,357
62	85.735	1.493,997	15.587,105	10,433	9,964	62	92.445	1.610,922	18.722,292	11,622	11,153
63	84.580	1.380,678	14.093,108	10,207	9,738	63	91.863	1.499,564	17.111,370	11,411	10,942
64	83.358	1.274,684	12.712,430	9,973	9,504	64	91.238	1.395,189	15.611,806	11,190	10,721
65	82.042	1.175,239	11.437,746	9,732	9,263	65	90.571	1.297,411	14.216,618	10,958	10,489
66	80.606	1.081,646	10.262,507	9,488	9,019	66	89.831	1.205,447	12.919,207	10,717	10,248
67	79.063	993,863	9.180,861	9,238	8,768	67	89.018	1.118,997	11.713,760	10,468	9,999
68	77.370	911,077	8.186,998	8,986	8,517	68	88.113	1.037,586	10.594,763	10,211	9,742
69	75.541	833,292	7.275,922	8,732	8,262	69	87.105	960,860	9.557,177	9,946	9,477
70	73.595	760,499	6.442,630	8,472	8,002	70	85.994	888,619	8.596,317	9,674	9,205
71	71.497	692,095	5.682,130	8,210	7,741	71	84.772	820,599	7.707,698	9,393	8,924
72	69.245	627,916	4.990,035	7,947	7,478	72	83.397	756,248	6.887,099	9,107	8,638
73	66.807	567,504	4.362,119	7,687	7,217	73	81.894	695,657	6.130,851	8,813	8,344
74	64.216	511,001	3.794,616	7,426	6,957	74	80.225	638,393	5.435,194	8,514	8,045
75	61.490	458,366	3.283,615	7,164	6,695	75	78.399	584,414	4.796,801	8,208	7,739
76	58.647	409,530	2.825,249	6,899	6,430	76	76.367	533,266	4.212,387	7,899	7,430
77	55.721	364,497	2.415,718	6,628	6,158	77	74.156	485,086	3.679,120	7,584	7,115
78	52.671	322,759	2.051,222	6,355	5,886	78	71.743	439,630	3.194,034	7,265	6,796
79	49.474	283,997	1.728,462	6,086	5,617	79	69.084	396,568	2.754,405	6,946	6,476
80	46.179	248,323	1.444,465	5,817	5,348	80	66.178	355,865	2.357,837	6,626	6,157
81	42.747	215,333	1.196,142	5,555	5,086	81	62.954	317,123	2.001,972	6,313	5,844
82	39.238	185,155	980,809	5,297	4,828	82	59.445	280,511	1.684,849	6,006	5,537
83	35.555	157,167	795,654	5,062	4,593	83	55.604	245,792	1.404,338	5,714	5,244
84	31.932	132,227	638,487	4,829	4,360	84	51.619	213,751	1.158,545	5,420	4,951
85	28.411	110,208	506,259	4,594	4,125	85	47.471	184,144	944,794	5,131	4,662
86	25.109	91,242	396,051	4,341	3,872	86	43.349	157,523	760,650	4,829	4,360
87	21.783	74,151	304,809	4,111	3,642	87	38.979	132,686	603,127	4,546	4,076
88	18.512	59,031	230,658	3,907	3,438	88	34.384	109,644	470,441	4,291	3,821
89	15.448	46,146	171,627	3,719	3,250	89	29.862	89,202	360,796	4,045	3,576
90	12.671	35,456	125,481	3,539	3,070	90	25.436	71,176	271,594	3,816	3,347
91	10.212	26,770	90,025	3,363	2,894	91	21.278	55,776	200,418	3,593	3,124
92	8.040	19,743	63,255	3,204	2,735	92	17.290	42,458	144,642	3,407	2,938
93	6.192	14,243	43,512	3,055	2,586	93	13.739	31,604	102,184	3,233	2,764
94	4.658	10,038	29,269	2,916	2,447	94	10.662	22,974	70,580	3,072	2,603
95	3.420	6,903	19,231	2,786	2,317	95	8.069	16,289	47,606	2,923	2,453
96	2.447	4,626	12,328	2,665	2,196	96	5.949	11,249	31,317	2,784	2,315
97	1.704	3,018	7,702	2,552	2,082	97	4.266	7,557	20,068	2,655	2,186
98	1.154	1,915	4,683	2,446	1,977	98	2.973	4,933	12,510	2,536	2,067
99	759	1,179	2,769	2,348	1,879	99	2.010	3,124	7,577	2,426	1,957
100	484	0,705	1,589	2,256	1,787	100	1316	1,917	4,454	2,323	1,854

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Rente
nach der Sterbetafel 2002/2004**

Zinsfuß 7,00%

x	l _x	D _x	N _x	ä _x	⁽¹²⁾ ä _x	y	l _y	D _y	N _y	ä _y	⁽¹²⁾ ä _y
0	100.000	100.000,000	1.504.119,318	15,041	14,572	0	100.000	100.000,000	1.511.474,479	15,115	14,645
1	99.544	93.031,560	1.404.119,318	15,093	14,623	1	99.620	93.103,090	1.411.474,479	15,160	14,691
2	99.504	86.910,259	1.311.087,758	15,086	14,616	2	99.585	86.981,071	1.318.371,389	15,157	14,687
3	99.484	81.208,188	1.224.177,499	15,075	14,605	3	99.565	81.274,648	1.231.390,318	15,151	14,681
4	99.465	75.881,657	1.142.969,311	15,063	14,593	4	99.548	75.944,577	1.150.115,670	15,144	14,675
5	99.452	70.907,926	1.067.087,654	15,049	14,579	5	99.535	70.967,074	1.074.171,093	15,136	14,667
6	99.438	66.260,015	996.179,728	15,034	14,565	6	99.522	66.315,698	1.003.204,019	15,128	14,658
7	99.427	61.918,031	929.919,712	15,019	14,549	7	99.513	61.971,577	936.888,321	15,118	14,649
8	99.415	57.860,173	868.001,682	15,002	14,532	8	99.504	57.912,317	874.916,745	15,108	14,638
9	99.403	54.068,498	810.141,509	14,984	14,514	9	99.495	54.118,466	817.004,427	15,097	14,627
10	99.393	50.526,578	756.073,011	14,964	14,494	10	99.488	50.574,737	762.885,962	15,084	14,615
11	99.384	47.216,664	705.546,433	14,943	14,473	11	99.480	47.262,135	712.311,225	15,071	14,602
12	99.370	44.121,348	658.329,769	14,921	14,451	12	99.470	44.166,077	665.049,090	15,058	14,588
13	99.357	41.229,520	614.208,421	14,897	14,428	13	99.462	41.273,202	620.883,013	15,043	14,574
14	99.344	38.527,265	572.978,901	14,872	14,403	14	99.452	38.569,349	579.609,811	15,028	14,558
15	99.326	36.000,147	534.451,636	14,846	14,376	15	99.441	36.041,920	541.040,462	15,011	14,542
16	99.302	33.637,061	498.451,488	14,819	14,349	16	99.423	33.678,019	504.998,542	14,995	14,525
17	99.264	31.424,465	464.814,428	14,791	14,322	17	99.402	31.468,119	471.320,523	14,978	14,508
18	99.214	29.353,773	433.389,963	14,764	14,295	18	99.380	29.402,986	439.852,404	14,959	14,490
19	99.139	27.412,624	404.036,190	14,739	14,270	19	99.352	27.471,523	410.449,418	14,941	14,471
20	99.059	25.598,641	376.623,565	14,713	14,243	20	99.324	25.667,204	382.977,895	14,921	14,451
21	98.983	23.905,775	351.024,924	14,684	14,214	21	99.293	23.980,464	357.310,691	14,900	14,431
22	98.906	22.324,328	327.119,149	14,653	14,184	22	99.268	22.406,165	333.330,227	14,877	14,407
23	98.831	20.848,127	304.794,821	14,620	14,150	23	99.241	20.934,672	310.924,062	14,852	14,383
24	98.758	19.469,789	283.946,694	14,584	14,114	24	99.216	19.560,009	289.989,390	14,826	14,356
25	98.686	18.182,862	264.476,904	14,545	14,076	25	99.189	18.275,416	270.429,381	14,797	14,328
26	98.614	16.980,899	246.294,042	14,504	14,035	26	99.164	17.075,625	252.153,965	14,767	14,297
27	98.544	15.858,649	229.313,143	14,460	13,990	27	99.136	15.954,061	235.078,339	14,735	14,265
28	98.473	14.810,568	213.454,494	14,412	13,943	28	99.108	14.905,992	219.124,279	14,700	14,231
29	98.401	13.831,479	198.643,926	14,362	13,892	29	99.078	13.926,698	204.218,287	14,664	14,194
30	98.331	12.917,524	184.812,447	14,307	13,838	30	99.049	13.011,796	190.291,588	14,625	14,155
31	98.260	12.063,632	171.894,923	14,249	13,780	31	99.017	12.156,576	177.279,792	14,583	14,114
32	98.182	11.265,520	159.831,291	14,188	13,718	32	98.981	11.357,227	165.123,217	14,539	14,070
33	98.102	10.519,897	148.565,772	14,122	13,653	33	98.946	10.610,457	153.765,989	14,492	14,022
34	98.016	9.823,055	138.045,874	14,053	13,584	34	98.907	9.912,353	143.155,532	14,442	13,973
35	97.922	9.171,657	128.222,819	13,980	13,511	35	98.860	9.259,538	133.243,180	14,390	13,920
36	97.819	8.562,672	119.051,161	13,904	13,434	36	98.810	8.649,343	123.983,642	14,334	13,865
37	97.709	7.993,464	110.488,489	13,822	13,353	37	98.754	8.078,928	115.334,299	14,276	13,806
38	97.591	7.461,502	102.495,025	13,737	13,267	38	98.693	7.545,770	107.255,371	14,214	13,744
39	97.457	6.963,757	95.033,523	13,647	13,177	39	98.624	7.047,188	99.709,601	14,149	13,679
40	97.306	6.498,153	88.069,767	13,553	13,084	40	98.545	6.580,886	92.662,413	14,081	13,611
41	97.139	6.062,581	81.571,613	13,455	12,985	41	98.459	6.145,010	86.081,527	14,008	13,539
42	96.954	5.655,200	75.509,032	13,352	12,883	42	98.362	5.737,323	79.936,517	13,933	13,463
43	96.740	5.273,577	69.853,832	13,246	12,776	43	98.252	5.355,954	74.199,193	13,854	13,384
44	96.501	4.916,376	64.580,254	13,136	12,666	44	98.124	4.999,067	68.843,239	13,771	13,302
45	96.242	4.582,417	59.663,878	13,020	12,551	45	97.987	4.665,522	63.844,172	13,684	13,215
46	95.946	4.269,455	55.081,461	12,901	12,432	46	97.832	4.353,385	59.178,650	13,594	13,124
47	95.620	3.976,601	50.812,007	12,778	12,308	47	97.656	4.061,277	54.825,265	13,500	13,030
48	95.262	3.702,520	46.835,406	12,650	12,180	48	97.466	3.788,205	50.763,987	13,401	12,931
49	94.873	3.446,173	43.132,885	12,516	12,047	49	97.260	3.532,873	46.975,782	13,297	12,827

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Rente
nach der Sterbetafel 2002/2004**

Zinsfuß 7,00%

x	l _x	D _x	N _x	ä _x	⁽¹²⁾ ä _x	y	l _y	D _y	N _y	ä _y	⁽¹²⁾ ä _y
50	94.447	3.206,266	39.686,713	12,378	11,908	50	97.026	3.293,804	43.442,908	13,189	12,720
51	93.979	2.981,662	36.480,446	12,235	11,765	51	96.781	3.070,544	40.149,104	13,076	12,606
52	93.492	2.772,163	33.498,784	12,084	11,614	52	96.512	2.861,698	37.078,560	12,957	12,487
53	92.944	2.575,612	30.726,621	11,930	11,460	53	96.220	2.666,398	34.216,862	12,833	12,363
54	92.360	2.391,984	28.151,009	11,769	11,299	54	95.916	2.484,093	31.550,464	12,701	12,231
55	91.733	2.220,320	25.759,025	11,601	11,132	55	95.583	2.313,507	29.066,371	12,564	12,094
56	91.046	2.059,533	23.538,705	11,429	10,960	56	95.221	2.153,968	26.752,865	12,420	11,951
57	90.333	1.909,723	21.479,173	11,247	10,778	57	94.838	2.004,972	24.598,897	12,269	11,799
58	89.551	1.769,344	19.569,450	11,060	10,591	58	94.415	1.865,443	22.593,924	12,112	11,642
59	88.698	1.637,834	17.800,105	10,868	10,399	59	93.960	1.735,009	20.728,481	11,947	11,478
60	87.765	1.514,597	16.162,271	10,671	10,201	60	93.483	1.613,260	18.993,472	11,773	11,304
61	86.777	1.399,575	14.647,674	10,466	9,996	61	92.968	1.499,421	17.380,211	11,591	11,122
62	85.735	1.292,303	13.248,100	10,252	9,782	62	92.445	1.393,442	15.880,790	11,397	10,927
63	84.580	1.191,491	11.955,797	10,034	9,565	63	91.863	1.294,088	14.487,348	11,195	10,726
64	83.358	1.097,452	10.764,305	9,808	9,339	64	91.238	1.201,201	13.193,260	10,983	10,514
65	82.042	1.009,469	9.666,853	9,576	9,107	65	90.571	1.114,409	11.992,059	10,761	10,291
66	80.606	926,907	8.657,384	9,340	8,871	66	89.831	1.032,997	10.877,650	10,530	10,061
67	79.063	849,692	7.730,478	9,098	8,628	67	89.018	956,674	9.844,653	10,290	9,821
68	77.370	777,095	6.880,785	8,854	8,385	68	88.113	885,000	8.887,979	10,043	9,573
69	75.541	709,089	6.103,690	8,608	8,138	69	87.105	817,643	8.002,979	9,788	9,318
70	73.595	645,634	5.394,602	8,356	7,886	70	85.994	754,403	7.185,337	9,525	9,055
71	71.497	586,188	4.748,968	8,101	7,632	71	84.772	695,028	6.430,934	9,253	8,783
72	69.245	530,588	4.162,779	7,846	7,376	72	83.397	639,028	5.735,906	8,976	8,506
73	66.807	478,419	3.632,192	7,592	7,123	73	81.894	586,455	5.096,878	8,691	8,221
74	64.216	429,779	3.153,773	7,338	6,869	74	80.225	536,923	4.510,423	8,401	7,931
75	61.490	384,610	2.723,993	7,082	6,613	75	78.399	490,375	3.973,500	8,103	7,633
76	58.647	342,829	2.339,383	6,824	6,354	76	76.367	446,412	3.483,124	7,802	7,333
77	55.721	304,418	1.996,554	6,559	6,089	77	74.156	405,130	3.036,712	7,496	7,026
78	52.671	268,930	1.692,136	6,292	5,823	78	71.743	366,309	2.631,582	7,184	6,715
79	49.474	236,080	1.423,206	6,029	5,559	79	69.084	329,657	2.265,273	6,872	6,402
80	46.179	205,942	1.187,127	5,764	5,295	80	66.178	295,130	1.935,616	6,559	6,089
81	42.747	178,165	981,185	5,507	5,038	81	62.954	262,386	1.640,486	6,252	5,783
82	39.238	152,838	803,019	5,254	4,785	82	59.445	231,551	1.378,100	5,952	5,482
83	35.555	129,432	650,181	5,023	4,554	83	55.604	202,418	1.146,549	5,664	5,195
84	31.932	108,639	520,749	4,793	4,324	84	51.619	175,620	944,131	5,376	4,906
85	28.411	90,336	412,110	4,562	4,092	85	47.471	150,941	768,511	5,091	4,622
86	25.109	74,616	321,773	4,312	3,843	86	43.349	128,818	617,570	4,794	4,325
87	21.783	60,497	247,158	4,085	3,616	87	38.979	108,254	488,752	4,515	4,045
88	18.512	48,048	186,661	3,885	3,415	88	34.384	89,246	380,498	4,263	3,794
89	15.448	37,473	138,612	3,699	3,229	89	29.862	72,437	291,252	4,021	3,551
90	12.671	28,725	101,139	3,521	3,051	90	25.436	57,664	218,816	3,795	3,325
91	10.212	21,637	72,414	3,347	2,877	91	21.278	45,082	161,152	3,575	3,105
92	8.040	15,921	50,777	3,189	2,720	92	17.290	34,237	116,070	3,390	2,921
93	6.192	11,458	34,856	3,042	2,573	93	13.739	25,425	81,833	3,219	2,749
94	4.658	8,056	23,398	2,904	2,435	94	10.662	18,440	56,407	3,059	2,590
95	3.420	5,527	15,341	2,776	2,306	95	8.069	13,043	37,968	2,911	2,441
96	2.447	3,696	9,814	2,655	2,186	96	5.949	8,987	24,925	2,774	2,304
97	1.704	2,406	6,118	2,543	2,074	97	4.266	6,023	15,938	2,646	2,177
98	1.154	1,522	3,712	2,439	1,969	98	2.973	3,922	9,915	2,528	2,058
99	759	0,935	2,190	2,341	1,872	99	2.010	2,478	5,993	2,418	1,949
100	484	0,558	1,255	2,250	1,781	100	1316	1,517	3,515	2,317	1,847

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Rente
nach der Sterbetafel 2002/2004**

Zinsfuß 7,25%

x	l _x	D _x	N _x	ä _x	⁽¹²⁾ ä _x	y	l _y	D _y	N _y	ä _y	⁽¹²⁾ ä _y
0	100.000	100.000,000	1.457.503,180	14,575	14,105	0	100.000	100.000,000	1.464.080,013	14,641	14,171
1	99.544	92.814,704	1.357.503,180	14,626	14,156	1	99.620	92.886,067	1.364.080,013	14,686	14,216
2	99.504	86.505,555	1.264.688,476	14,620	14,150	2	99.585	86.576,037	1.271.193,946	14,683	14,213
3	99.484	80.641,621	1.178.182,922	14,610	14,140	3	99.565	80.707,618	1.184.617,909	14,678	14,208
4	99.465	75.176,606	1.097.541,301	14,600	14,130	4	99.548	75.238,941	1.103.910,291	14,672	14,202
5	99.452	70.085,338	1.022.364,695	14,587	14,118	5	99.535	70.143,799	1.028.671,349	14,665	14,195
6	99.438	65.338,685	952.279,357	14,575	14,105	6	99.522	65.393,594	958.527,551	14,658	14,188
7	99.427	60.914,751	886.940,672	14,560	14,090	7	99.513	60.967,429	893.133,957	14,649	14,179
8	99.415	56.789,957	826.025,921	14,545	14,075	8	99.504	56.841,137	832.166,528	14,640	14,170
9	99.403	52.944,713	769.235,963	14,529	14,059	9	99.495	52.993,642	775.325,391	14,631	14,161
10	99.393	49.361,080	716.291,250	14,511	14,041	10	99.488	49.408,128	722.331,749	14,620	14,150
11	99.384	46.019,992	666.930,170	14,492	14,022	11	99.480	46.064,311	672.923,620	14,608	14,138
12	99.370	42.902,885	620.910,178	14,472	14,003	12	99.470	42.946,379	626.859,309	14,596	14,126
13	99.357	39.997,466	578.007,293	14,451	13,981	13	99.462	40.039,843	583.912,931	14,583	14,113
14	99.344	37.288,839	538.009,827	14,428	13,958	14	99.452	37.329,569	543.873,088	14,569	14,100
15	99.326	34.761,734	500.720,989	14,404	13,934	15	99.441	34.802,070	506.543,519	14,555	14,085
16	99.302	32.404,227	465.959,255	14,380	13,910	16	99.423	32.443,684	471.741,449	14,540	14,070
17	99.264	30.202,160	433.555,027	14,355	13,885	17	99.402	30.244,115	439.297,765	14,525	14,055
18	99.214	28.146,248	403.352,868	14,331	13,861	18	99.380	28.193,437	409.053,650	14,509	14,039
19	99.139	26.223,682	375.206,620	14,308	13,838	19	99.352	26.280,027	380.860,213	14,492	14,022
20	99.059	24.431,293	348.982,937	14,284	13,814	20	99.324	24.496,729	354.580,186	14,475	14,005
21	98.983	22.762,442	324.551,645	14,258	13,788	21	99.293	22.833,558	330.083,457	14,456	13,986
22	98.906	21.207,080	301.789,203	14,231	13,761	22	99.268	21.284,822	307.249,899	14,435	13,965
23	98.831	19.758,593	280.582,122	14,201	13,731	23	99.241	19.840,615	285.965,077	14,413	13,943
24	98.758	18.409,275	260.823,529	14,168	13,698	24	99.216	18.494,581	266.124,462	14,389	13,919
25	98.686	17.152,371	242.414,254	14,133	13,663	25	99.189	17.239,680	247.629,881	14,364	13,894
26	98.614	15.981,189	225.261,883	14,095	13,626	26	99.164	16.070,338	230.390,201	14,336	13,866
27	98.544	14.890,219	209.280,694	14,055	13,585	27	99.136	14.979,803	214.319,863	14,307	13,837
28	98.473	13.873,725	194.390,476	14,011	13,542	28	99.108	13.963,112	199.340,059	14,276	13,806
29	98.401	12.926,366	180.516,751	13,965	13,495	29	99.078	13.015,354	185.376,947	14,243	13,773
30	98.331	12.044,078	167.590,385	13,915	13,445	30	99.049	12.131,976	172.361,593	14,207	13,737
31	98.260	11.221,706	155.546,307	13,861	13,391	31	99.017	11.308,162	160.229,616	14,169	13,699
32	98.182	10.454,866	144.324,601	13,805	13,335	32	98.981	10.539,975	148.921,454	14,129	13,659
33	98.102	9.740,141	133.869,735	13,744	13,274	33	98.946	9.823,988	138.381,479	14,086	13,616
34	98.016	9.073,750	124.129,594	13,680	13,210	34	98.907	9.156,235	128.557,491	14,040	13,571
35	97.922	8.452,292	115.055,844	13,612	13,142	35	98.860	8.533,280	119.401,255	13,992	13,523
36	97.819	7.872,678	106.603,552	13,541	13,071	36	98.810	7.952,365	110.867,975	13,942	13,472
37	97.709	7.332,206	98.730,874	13,465	12,995	37	98.754	7.410,600	102.915,610	13,888	13,418
38	97.591	6.828,296	91.398,668	13,385	12,915	38	98.693	6.905,413	95.505,011	13,830	13,361
39	97.457	6.357,937	84.570,371	13,302	12,832	39	98.624	6.434,110	88.599,598	13,770	13,300
40	97.306	5.919,009	78.212,435	13,214	12,744	40	98.545	5.994,369	82.165,488	13,707	13,237
41	97.139	5.509,385	72.293,425	13,122	12,652	41	98.459	5.584,293	76.171,119	13,640	13,170
42	96.954	5.127,197	66.784,040	13,025	12,556	42	98.362	5.201,653	70.586,827	13,570	13,100
43	96.740	4.770,060	61.656,843	12,926	12,456	43	98.252	4.844,571	65.385,174	13,497	13,027
44	96.501	4.436,598	56.886,783	12,822	12,352	44	98.124	4.511,220	60.540,603	13,420	12,950
45	96.242	4.125,590	52.450,185	12,713	12,243	45	97.987	4.200,410	56.029,383	13,339	12,869
46	95.946	3.834,867	48.324,596	12,601	12,131	46	97.832	3.910,255	51.828,973	13,255	12,785
47	95.620	3.563,497	44.489,728	12,485	12,015	47	97.656	3.639,377	47.918,718	13,167	12,697
48	95.262	3.310,155	40.926,231	12,364	11,894	48	97.466	3.386,760	44.279,341	13,074	12,604
49	94.873	3.073,791	37.616,076	12,238	11,768	49	97.260	3.151,124	40.892,581	12,977	12,507

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Rente
nach der Sterbetafel 2002/2004**

Zinsfuß 7,25%

x	l _x	D _x	N _x	ä _x	⁽¹²⁾ ä _x	y	l _y	D _y	N _y	ä _y	⁽¹²⁾ ä _y
50	94.447	2.853,142	34.542,284	12,107	11,637	50	97.026	2.931,039	37.741,458	12,876	12,407
51	93.979	2.647,090	31.689,142	11,971	11,501	51	96.781	2.725,999	34.810,418	12,770	12,300
52	93.492	2.455,362	29.042,052	11,828	11,358	52	96.512	2.534,665	32.084,419	12,658	12,188
53	92.944	2.275,955	26.586,689	11,682	11,212	53	96.220	2.356,179	29.549,755	12,541	12,071
54	92.360	2.108,764	24.310,734	11,528	11,059	54	95.916	2.189,967	27.193,576	12,417	11,947
55	91.733	1.952,863	22.201,970	11,369	10,899	55	95.583	2.034,825	25.003,609	12,288	11,818
56	91.046	1.807,221	20.249,107	11,205	10,735	56	95.221	1.890,088	22.968,784	12,152	11,682
57	90.333	1.671,859	18.441,886	11,031	10,561	57	94.838	1.755,244	21.078,696	12,009	11,539
58	89.551	1.545,354	16.770,027	10,852	10,382	58	94.415	1.629,287	19.323,452	11,860	11,390
59	88.698	1.427,158	15.224,673	10,668	10,198	59	93.960	1.511,833	17.694,165	11,704	11,234
60	87.765	1.316,696	13.797,515	10,479	10,009	60	93.483	1.402,468	16.182,331	11,538	11,069
61	86.777	1.213,867	12.480,818	10,282	9,812	61	92.968	1.300,465	14.779,863	11,365	10,895
62	85.735	1.118,216	11.266,951	10,076	9,606	62	92.445	1.205,732	13.479,398	11,179	10,710
63	84.580	1.028,582	10.148,735	9,867	9,397	63	91.863	1.117,151	12.273,666	10,987	10,517
64	83.358	945,192	9.120,153	9,649	9,179	64	91.238	1.034,547	11.156,516	10,784	10,314
65	82.042	867,389	8.174,961	9,425	8,955	65	90.571	957,559	10.121,969	10,571	10,101
66	80.606	794,591	7.307,572	9,197	8,727	66	89.831	885,537	9.164,410	10,349	9,879
67	79.063	726,701	6.512,981	8,962	8,492	67	89.018	818,197	8.278,873	10,118	9,649
68	77.370	663,063	5.786,280	8,727	8,257	68	88.113	755,133	7.460,676	9,880	9,410
69	75.541	603,625	5.123,217	8,487	8,018	69	87.105	696,034	6.705,543	9,634	9,164
70	73.595	548,327	4.519,592	8,243	7,773	70	85.994	640,703	6.009,509	9,380	8,910
71	71.497	496,680	3.971,265	7,996	7,526	71	84.772	588,901	5.368,806	9,117	8,647
72	69.245	448,522	3.474,585	7,747	7,277	72	83.397	540,190	4.779,905	8,849	8,379
73	66.807	403,479	3.026,063	7,500	7,030	73	81.894	494,593	4.239,715	8,572	8,102
74	64.216	361,614	2.622,584	7,252	6,783	74	80.225	451,764	3.745,123	8,290	7,820
75	61.490	322,854	2.260,970	7,003	6,533	75	78.399	411,637	3.293,359	8,001	7,531
76	58.647	287,111	1.938,116	6,750	6,281	76	76.367	373,860	2.881,722	7,708	7,238
77	55.721	254,348	1.651,005	6,491	6,021	77	74.156	338,496	2.507,863	7,409	6,939
78	52.671	224,174	1.396,656	6,230	5,760	78	71.743	305,346	2.169,367	7,105	6,635
79	49.474	196,332	1.172,483	5,972	5,502	79	69.084	274,153	1.864,020	6,799	6,329
80	46.179	170,869	976,151	5,713	5,243	80	66.178	244,868	1.589,867	6,493	6,023
81	42.747	147,478	805,282	5,460	4,990	81	62.954	217,193	1.344,999	6,193	5,723
82	39.238	126,219	657,804	5,212	4,742	82	59.445	191,222	1.127,806	5,898	5,428
83	35.555	106,640	531,585	4,985	4,515	83	55.604	166,773	936,584	5,616	5,146
84	31.932	89,300	424,945	4,759	4,289	84	51.619	144,357	769,811	5,333	4,863
85	28.411	74,082	335,646	4,531	4,061	85	47.471	123,782	625,454	5,053	4,583
86	25.109	61,047	261,564	4,285	3,815	86	43.349	105,394	501,672	4,760	4,290
87	21.783	49,381	200,516	4,061	3,591	87	38.979	88,362	396,279	4,485	4,015
88	18.512	39,128	151,136	3,863	3,393	88	34.384	72,677	307,917	4,237	3,767
89	15.448	30,445	112,007	3,679	3,209	89	29.862	58,851	235,239	3,997	3,527
90	12.671	23,283	81,562	3,503	3,033	90	25.436	46,740	176,388	3,774	3,304
91	10.212	17,497	58,279	3,331	2,861	91	21.278	36,456	129,648	3,556	3,086
92	8.040	12,844	40,782	3,175	2,705	92	17.290	27,622	93,192	3,374	2,904
93	6.192	9,223	27,937	3,029	2,559	93	13.739	20,465	65,570	3,204	2,734
94	4.658	6,470	18,715	2,893	2,423	94	10.662	14,807	45,105	3,046	2,576
95	3.420	4,428	12,245	2,765	2,295	95	8.069	10,450	30,298	2,899	2,430
96	2.447	2,954	7,817	2,646	2,176	96	5.949	7,183	19,848	2,763	2,293
97	1.704	1,918	4,863	2,535	2,065	97	4.266	4,803	12,666	2,637	2,167
98	1.154	1,211	2,944	2,431	1,961	98	2.973	3,120	7,863	2,520	2,050
99	759	0,743	1,733	2,334	1,864	99	2.010	1,967	4,742	2,411	1,941
100	484	0,442	0,991	2,244	1,774	100	1316	1,201	2,775	2,310	1,840

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Rente
nach der Sterbetafel 2002/2004**

Zinsfuß 7,50%

x	l _x	D _x	N _x	ä _x	⁽¹²⁾ ä _x	y	l _y	D _y	N _y	ä _y	⁽¹²⁾ ä _y
0	100.000	100.000,000	1.413.761,455	14,138	13,667	0	100.000	100.000,000	1.419.662,792	14,197	13,726
1	99.544	92.598,856	1.313.761,455	14,188	13,717	1	99.620	92.670,052	1.319.662,792	14,240	13,770
2	99.504	86.103,671	1.221.162,600	14,182	13,712	2	99.585	86.173,826	1.226.992,740	14,239	13,768
3	99.484	80.080,312	1.135.058,929	14,174	13,704	3	99.565	80.145,850	1.140.818,913	14,234	13,764
4	99.465	74.479,724	1.054.978,616	14,165	13,694	4	99.548	74.541,482	1.060.673,063	14,229	13,759
5	99.452	69.274,173	980.498,892	14,154	13,684	5	99.535	69.331,958	986.131,581	14,223	13,753
6	99.438	64.432,267	911.224,718	14,142	13,672	6	99.522	64.486,414	916.799,624	14,217	13,747
7	99.427	59.930,007	846.792,451	14,130	13,659	7	99.513	59.981,834	852.313,210	14,210	13,739
8	99.415	55.741,960	786.862,444	14,116	13,646	8	99.504	55.792,195	792.331,376	14,201	13,731
9	99.403	51.846,821	731.120,484	14,102	13,631	9	99.495	51.894,735	736.539,181	14,193	13,723
10	99.393	48.225,087	679.273,664	14,085	13,615	10	99.488	48.271,053	684.644,446	14,183	13,713
11	99.384	44.856,331	631.048,577	14,068	13,598	11	99.480	44.899,529	636.373,393	14,173	13,703
12	99.370	41.720,791	586.192,246	14,050	13,580	12	99.470	41.763,087	591.473,865	14,163	13,692
13	99.357	38.804,970	544.471,455	14,031	13,561	13	99.462	38.846,083	549.710,778	14,151	13,681
14	99.344	36.092,966	505.666,485	14,010	13,540	14	99.452	36.132,390	510.864,695	14,139	13,668
15	99.326	33.568,658	469.573,519	13,988	13,518	15	99.441	33.607,609	474.732,305	14,126	13,655
16	99.302	31.219,292	436.004,861	13,966	13,496	16	99.423	31.257,307	441.124,695	14,113	13,642
17	99.264	29.030,079	404.785,569	13,944	13,473	17	99.402	29.070,407	409.867,389	14,099	13,629
18	99.214	26.991,037	375.755,490	13,921	13,451	18	99.380	27.036,289	380.796,982	14,085	13,614
19	99.139	25.088,897	348.764,452	13,901	13,431	19	99.352	25.142,803	353.760,693	14,070	13,600
20	99.059	23.319,712	323.675,555	13,880	13,410	20	99.324	23.382,171	328.617,890	14,054	13,584
21	98.983	21.676,263	300.355,843	13,856	13,386	21	99.293	21.743,986	305.235,719	14,038	13,567
22	98.906	20.148,155	278.679,580	13,832	13,361	22	99.268	20.222,015	283.491,733	14,019	13,549
23	98.831	18.728,339	258.531,425	13,804	13,334	23	99.241	18.806,084	263.269,718	13,999	13,529
24	98.758	17.408,798	239.803,086	13,775	13,305	24	99.216	17.489,467	244.463,634	13,978	13,507
25	98.686	16.182,480	222.394,288	13,743	13,273	25	99.189	16.264,852	226.974,167	13,955	13,485
26	98.614	15.042,459	206.211,808	13,709	13,238	26	99.164	15.126,372	210.709,315	13,930	13,460
27	98.544	13.982,978	191.169,350	13,672	13,201	27	99.136	14.067,104	195.582,943	13,904	13,433
28	98.473	12.998,119	177.186,372	13,632	13,161	28	99.108	13.081,865	181.515,839	13,875	13,405
29	98.401	12.082,386	164.188,253	13,589	13,119	29	99.078	12.165,564	168.433,974	13,845	13,375
30	98.331	11.231,523	152.105,868	13,543	13,072	30	99.049	11.313,492	156.268,410	13,813	13,342
31	98.260	10.440,296	140.874,344	13,493	13,023	31	99.017	10.520,732	144.954,919	13,778	13,308
32	98.182	9.704,234	130.434,048	13,441	12,971	32	98.981	9.783,232	134.434,186	13,741	13,271
33	98.102	9.019,799	120.729,815	13,385	12,915	33	98.946	9.097,445	124.650,954	13,702	13,231
34	98.016	8.383,150	111.710,016	13,326	12,855	34	98.907	8.459,358	115.553,509	13,660	13,190
35	97.922	7.790,831	103.326,866	13,263	12,792	35	98.860	7.865,481	107.094,152	13,616	13,145
36	97.819	7.239,701	95.536,034	13,196	12,726	36	98.810	7.312,981	99.228,671	13,569	13,099
37	97.709	6.727,003	88.296,334	13,126	12,655	37	98.754	6.798,926	91.915,690	13,519	13,049
38	97.591	6.250,117	81.569,331	13,051	12,581	38	98.693	6.320,704	85.116,764	13,466	12,996
39	97.457	5.806,051	75.319,214	12,973	12,502	39	98.624	5.875,612	78.796,060	13,411	12,940
40	97.306	5.392,653	69.513,163	12,890	12,420	40	98.545	5.461,311	72.920,449	13,352	12,882
41	97.139	5.007,782	64.120,510	12,804	12,334	41	98.459	5.075,870	67.459,137	13,290	12,820
42	96.954	4.649,553	59.112,728	12,714	12,243	42	98.362	4.717,072	62.383,268	13,225	12,755
43	96.740	4.315,626	54.463,175	12,620	12,150	43	98.252	4.383,039	57.666,196	13,157	12,686
44	96.501	4.004,598	50.147,549	12,522	12,052	44	98.124	4.071,953	53.283,157	13,085	12,615
45	96.242	3.715,213	46.142,952	12,420	11,950	45	97.987	3.782,591	49.211,204	13,010	12,540
46	95.946	3.445,378	42.427,739	12,314	11,844	46	97.832	3.513,108	45.428,613	12,931	12,461
47	95.620	3.194,124	38.982,361	12,204	11,734	47	97.656	3.262,138	41.915,505	12,849	12,379
48	95.262	2.960,142	35.788,237	12,090	11,620	48	97.466	3.028,646	38.653,366	12,763	12,292
49	94.873	2.742,379	32.828,096	11,971	11,500	49	97.260	2.811,373	35.624,720	12,672	12,201

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Rente
nach der Sterbetafel 2002/2004**

Zinsfuß 7,50%

x	l _x	D _x	N _x	ä _x	⁽¹²⁾ ä _x	y	l _y	D _y	N _y	ä _y	⁽¹²⁾ ä _y
50	94.447	2.539,600	30.085,717	11,847	11,376	50	97.026	2.608,936	32.813,347	12,577	12,107
51	93.979	2.350,712	27.546,117	11,718	11,248	51	96.781	2.420,786	30.204,411	12,477	12,007
52	93.492	2.175,380	25.195,406	11,582	11,112	52	96.512	2.245,640	27.783,625	12,372	11,902
53	92.944	2.011,741	23.020,026	11,443	10,973	53	96.220	2.082,652	25.537,986	12,262	11,792
54	92.360	1.859,624	21.008,285	11,297	10,827	54	95.916	1.931,233	23.455,334	12,145	11,675
55	91.733	1.718,137	19.148,661	11,145	10,675	55	95.583	1.790,247	21.524,101	12,023	11,553
56	91.046	1.586,303	17.430,524	10,988	10,518	56	95.221	1.659,040	19.733,854	11,895	11,424
57	90.333	1.464,075	15.844,220	10,822	10,352	57	94.838	1.537,097	18.074,814	11,759	11,289
58	89.551	1.350,145	14.380,146	10,651	10,181	58	94.415	1.423,476	16.537,717	11,618	11,148
59	88.698	1.243,980	13.030,000	10,474	10,004	59	93.960	1.317,787	15.114,241	11,469	10,999
60	87.765	1.145,027	11.786,020	10,293	9,823	60	93.483	1.219,617	13.796,454	11,312	10,842
61	86.777	1.053,150	10.640,993	10,104	9,634	61	92.968	1.128,282	12.576,837	11,147	10,677
62	85.735	967,907	9.587,843	9,906	9,435	62	92.445	1.043,659	11.448,555	10,970	10,499
63	84.580	888,251	8.619,936	9,704	9,234	63	91.863	964,736	10.404,896	10,785	10,315
64	83.358	814,339	7.731,685	9,494	9,024	64	91.238	891,325	9.440,160	10,591	10,121
65	82.042	745,570	6.917,345	9,278	8,808	65	90.571	823,076	8.548,836	10,386	9,916
66	80.606	681,407	6.171,775	9,057	8,587	66	89.831	759,398	7.725,760	10,174	9,703
67	79.063	621,738	5.490,368	8,831	8,360	67	89.018	700,019	6.966,362	9,952	9,481
68	77.370	565,973	4.868,630	8,602	8,132	68	88.113	644,562	6.266,342	9,722	9,252
69	75.541	514,040	4.302,657	8,370	7,900	69	87.105	592,734	5.621,781	9,484	9,014
70	73.595	465,863	3.788,617	8,132	7,662	70	85.994	544,346	5.029,046	9,239	8,768
71	71.497	421,002	3.322,754	7,892	7,422	71	84.772	499,171	4.484,700	8,984	8,514
72	69.245	379,297	2.901,751	7,650	7,180	72	83.397	456,817	3.985,529	8,725	8,254
73	66.807	340,413	2.522,454	7,410	6,940	73	81.894	417,285	3.528,711	8,456	7,986
74	64.216	304,382	2.182,041	7,169	6,698	74	80.225	380,264	3.111,427	8,182	7,712
75	61.490	271,125	1.877,659	6,925	6,455	75	78.399	345,682	2.731,163	7,901	7,431
76	58.647	240,548	1.606,534	6,679	6,208	76	76.367	313,228	2.385,480	7,616	7,146
77	55.721	212,603	1.365,986	6,425	5,955	77	74.156	282,940	2.072,253	7,324	6,854
78	52.671	186,945	1.153,384	6,170	5,699	78	71.743	254,637	1.789,313	7,027	6,557
79	49.474	163,346	966,439	5,917	5,446	79	69.084	228,093	1.534,676	6,728	6,258
80	46.179	141,831	803,093	5,662	5,192	80	66.178	203,254	1.306,583	6,428	5,958
81	42.747	122,130	661,262	5,414	4,944	81	62.954	179,863	1.103,329	6,134	5,664
82	39.238	104,282	539,132	5,170	4,700	82	59.445	157,987	923,466	5,845	5,375
83	35.555	87,901	434,850	4,947	4,477	83	55.604	137,468	765,479	5,568	5,098
84	31.932	73,437	346,949	4,724	4,254	84	51.619	118,713	628,011	5,290	4,820
85	28.411	60,780	273,512	4,500	4,030	85	47.471	101,557	509,298	5,015	4,545
86	25.109	49,970	212,732	4,257	3,787	86	43.349	86,269	407,741	4,726	4,256
87	21.783	40,326	162,762	4,036	3,566	87	38.979	72,160	321,472	4,455	3,985
88	18.512	31,879	122,436	3,841	3,370	88	34.384	59,213	249,313	4,210	3,740
89	15.448	24,747	90,557	3,659	3,189	89	29.862	47,837	190,100	3,974	3,504
90	12.671	18,882	65,810	3,485	3,015	90	25.436	37,904	142,263	3,753	3,283
91	10.212	14,157	46,928	3,315	2,845	91	21.278	29,496	104,359	3,538	3,068
92	8.040	10,368	32,772	3,161	2,691	92	17.290	22,296	74,864	3,358	2,887
93	6.192	7,427	22,404	3,017	2,546	93	13.739	16,481	52,568	3,190	2,719
94	4.658	5,198	14,977	2,881	2,411	94	10.662	11,897	36,087	3,033	2,563
95	3.420	3,550	9,779	2,755	2,285	95	8.069	8,376	24,191	2,888	2,418
96	2.447	2,362	6,229	2,637	2,167	96	5.949	5,744	15,815	2,753	2,283
97	1.704	1,531	3,867	2,527	2,056	97	4.266	3,832	10,071	2,628	2,158
98	1.154	0,964	2,337	2,424	1,953	98	2.973	2,484	6,238	2,512	2,041
99	759	0,590	1,373	2,328	1,857	99	2.010	1,562	3,755	2,404	1,934
100	484	0,350	0,783	2,238	1,768	100	1316	0,952	2,193	2,304	1,834

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Rente
nach der Sterbetafel 2002/2004**

Zinsfuß 7,75%

x	l _x	D _x	N _x	ä _x	⁽¹²⁾ ä _x	y	l _y	D _y	N _y	ä _y	⁽¹²⁾ ä _y
0	100.000	100.000,000	1.372.649,480	13,726	13,256	0	100.000	100.000,000	1.377.963,095	13,780	13,309
1	99.544	92.384,009	1.272.649,480	13,776	13,305	1	99.620	92.455,041	1.277.963,095	13,823	13,352
2	99.504	85.704,582	1.180.265,471	13,771	13,301	2	99.585	85.774,412	1.185.508,054	13,821	13,351
3	99.484	79.524,201	1.094.560,889	13,764	13,293	3	99.565	79.589,284	1.099.733,642	13,818	13,347
4	99.465	73.790,899	1.015.036,688	13,756	13,285	4	99.548	73.852,086	1.020.144,359	13,813	13,343
5	99.452	68.474,249	941.245,789	13,746	13,275	5	99.535	68.531,366	946.292,273	13,808	13,337
6	99.438	63.540,485	872.771,539	13,736	13,265	6	99.522	63.593,882	877.760,907	13,803	13,332
7	99.427	58.963,415	809.231,054	13,724	13,254	7	99.513	59.014,406	814.167,025	13,796	13,325
8	99.415	54.715,670	750.267,640	13,712	13,241	8	99.504	54.764,980	755.152,619	13,789	13,318
9	99.403	50.774,166	695.551,970	13,699	13,228	9	99.495	50.821,089	700.387,639	13,781	13,311
10	99.393	47.117,786	644.777,804	13,684	13,214	10	99.488	47.162,696	649.566,550	13,773	13,302
11	99.384	43.724,695	597.660,018	13,669	13,198	11	99.480	43.766,803	602.403,854	13,764	13,293
12	99.370	40.573,900	553.935,324	13,653	13,182	12	99.470	40.615,033	558.637,052	13,754	13,284
13	99.357	37.650,675	513.361,423	13,635	13,164	13	99.462	37.690,565	518.022,018	13,744	13,273
14	99.344	34.938,091	475.710,749	13,616	13,145	14	99.452	34.976,254	480.331,453	13,733	13,262
15	99.326	32.419,160	440.772,658	13,596	13,125	15	99.441	32.456,778	445.355,200	13,721	13,251
16	99.302	30.080,290	408.353,498	13,575	13,105	16	99.423	30.116,918	412.898,422	13,710	13,239
17	99.264	27.906,050	378.273,208	13,555	13,085	17	99.402	27.944,816	382.781,504	13,698	13,227
18	99.214	25.885,759	350.367,158	13,535	13,064	18	99.380	25.929,158	354.836,688	13,685	13,214
19	99.139	24.005,684	324.481,398	13,517	13,046	19	99.352	24.057,263	328.907,530	13,672	13,201
20	99.059	22.261,114	300.475,714	13,498	13,027	20	99.324	22.320,737	304.850,267	13,658	13,187
21	98.983	20.644,259	278.214,600	13,477	13,006	21	99.293	20.708,758	282.529,530	13,643	13,172
22	98.906	19.144,383	257.570,340	13,454	12,983	22	99.268	19.214,563	261.820,771	13,626	13,156
23	98.831	17.754,013	238.425,958	13,429	12,959	23	99.241	17.827,713	242.606,208	13,608	13,138
24	98.758	16.464,829	220.671,945	13,403	12,932	24	99.216	16.541,124	224.778,495	13,589	13,118
25	98.686	15.269,496	204.207,116	13,374	12,903	25	99.189	15.347,221	208.237,371	13,568	13,098
26	98.614	14.160,861	188.937,620	13,342	12,872	26	99.164	14.239,856	192.890,150	13,546	13,075
27	98.544	13.132,931	174.776,759	13,308	12,838	27	99.136	13.211,944	178.650,294	13,522	13,051
28	98.473	12.179,619	161.643,828	13,272	12,801	28	99.108	12.258,091	165.438,351	13,496	13,026
29	98.401	11.295,282	149.464,209	13,232	12,762	29	99.078	11.373,042	153.180,260	13,469	12,998
30	98.331	10.475,487	138.168,927	13,190	12,719	30	99.049	10.551,938	141.807,218	13,439	12,968
31	98.260	9.714,927	127.693,440	13,144	12,673	31	99.017	9.789,775	131.255,280	13,407	12,937
32	98.182	9.009,054	117.978,513	13,096	12,625	32	98.981	9.082,393	121.465,505	13,374	12,903
33	98.102	8.354,221	108.969,459	13,044	12,573	33	98.946	8.426,138	112.383,112	13,337	12,867
34	98.016	7.746,536	100.615,238	12,988	12,518	34	98.907	7.816,957	103.956,974	13,299	12,828
35	97.922	7.182,494	92.868,702	12,930	12,459	35	98.860	7.251,315	96.140,018	13,258	12,788
36	97.819	6.658,912	85.686,207	12,868	12,397	36	98.810	6.726,313	88.888,703	13,215	12,744
37	97.709	6.172,989	79.027,295	12,802	12,331	37	98.754	6.238,988	82.162,389	13,169	12,699
38	97.591	5.722,070	72.854,307	12,732	12,261	38	98.693	5.786,694	75.923,401	13,120	12,650
39	97.457	5.303,188	67.132,236	12,659	12,188	39	98.624	5.366,725	70.136,708	13,069	12,598
40	97.306	4.914,167	61.829,048	12,582	12,111	40	98.545	4.976,733	64.769,983	13,015	12,544
41	97.139	4.552,857	56.914,881	12,501	12,030	41	98.459	4.614,760	59.793,250	12,957	12,486
42	96.954	4.217,363	52.362,024	12,416	11,945	42	98.362	4.278,606	55.178,490	12,896	12,426
43	96.740	3.905,393	48.144,661	12,328	11,857	43	98.252	3.966,398	50.899,884	12,833	12,362
44	96.501	3.615,522	44.239,268	12,236	11,765	44	98.124	3.676,334	46.933,486	12,766	12,296
45	96.242	3.346,471	40.623,746	12,139	11,669	45	97.987	3.407,161	43.257,153	12,696	12,225
46	95.946	3.096,217	37.277,275	12,040	11,569	46	97.832	3.157,083	39.849,991	12,622	12,152
47	95.620	2.863,766	34.181,058	11,936	11,465	47	97.656	2.924,746	36.692,908	12,546	12,075
48	95.262	2.647,826	31.317,292	11,828	11,357	48	97.466	2.709,103	33.768,162	12,465	11,994
49	94.873	2.447,347	28.669,467	11,715	11,244	49	97.260	2.508,918	31.059,060	12,379	11,909

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Rente
nach der Sterbetafel 2002/2004**

Zinsfuß 7,75%

x	l _x	D _x	N _x	ä _x	⁽¹²⁾ ä _x	y	l _y	D _y	N _y	ä _y	⁽¹²⁾ ä _y
50	94.447	2.261,125	26.222,120	11,597	11,126	50	97.026	2.322,858	28.550,141	12,291	11,820
51	93.979	2.088,093	23.960,995	11,475	11,004	51	96.781	2.150,338	26.227,283	12,197	11,726
52	93.492	1.927,866	21.872,902	11,346	10,875	52	96.512	1.990,131	24.076,945	12,098	11,628
53	92.944	1.778,709	19.945,036	11,213	10,743	53	96.220	1.841,406	22.086,813	11,995	11,524
54	92.360	1.640,398	18.166,328	11,074	10,604	54	95.916	1.703,565	20.245,408	11,884	11,413
55	91.733	1.512,074	16.525,930	10,929	10,459	55	95.583	1.575,536	18.541,843	11,769	11,298
56	91.046	1.392,812	15.013,856	10,780	10,309	56	95.221	1.456,677	16.966,307	11,647	11,177
57	90.333	1.282,510	13.621,044	10,621	10,150	57	94.838	1.346,477	15.509,631	11,519	11,048
58	89.551	1.179,966	12.338,533	10,457	9,986	58	94.415	1.244,053	14.163,154	11,385	10,914
59	88.698	1.084,659	11.158,568	10,288	9,817	59	93.960	1.149,014	12.919,101	11,244	10,773
60	87.765	996,063	10.073,909	10,114	9,643	60	93.483	1.060,949	11.770,087	11,094	10,623
61	86.777	914,013	9.077,845	9,932	9,461	61	92.968	979,220	10.709,138	10,936	10,466
62	85.735	838,083	8.163,832	9,741	9,270	62	92.445	903,674	9.729,919	10,767	10,296
63	84.580	767,327	7.325,748	9,547	9,076	63	91.863	833,399	8.826,244	10,591	10,120
64	83.358	701,845	6.558,422	9,345	8,874	64	91.238	768,195	7.992,845	10,405	9,934
65	82.042	641,085	5.856,576	9,135	8,665	65	90.571	707,729	7.224,650	10,208	9,738
66	80.606	584,554	5.215,492	8,922	8,452	66	89.831	651,460	6.516,921	10,004	9,533
67	79.063	532,129	4.630,937	8,703	8,232	67	89.018	599,128	5.865,461	9,790	9,319
68	77.370	483,277	4.098,808	8,481	8,011	68	88.113	550,383	5.266,333	9,568	9,098
69	75.541	437,914	3.615,531	8,256	7,786	69	87.105	504,954	4.715,950	9,339	8,869
70	73.595	395,951	3.177,617	8,025	7,555	70	85.994	462,656	4.210,995	9,102	8,631
71	71.497	356,992	2.781,666	7,792	7,321	71	84.772	423,276	3.748,339	8,856	8,385
72	69.245	320,882	2.424,674	7,556	7,086	72	83.397	386,463	3.325,063	8,604	8,133
73	66.807	287,318	2.103,792	7,322	6,852	73	81.894	352,200	2.938,600	8,344	7,873
74	64.216	256,310	1.816,474	7,087	6,616	74	80.225	320,209	2.586,401	8,077	7,607
75	61.490	227,776	1.560,164	6,850	6,379	75	78.399	290,413	2.266,192	7,803	7,333
76	58.647	201,619	1.332,388	6,608	6,138	76	76.367	262,537	1.975,779	7,526	7,055
77	55.721	177,783	1.130,769	6,360	5,890	77	74.156	236,600	1.713,242	7,241	6,770
78	52.671	155,965	952,986	6,110	5,640	78	71.743	212,439	1.476,642	6,951	6,480
79	49.474	135,960	797,021	5,862	5,392	79	69.084	189,852	1.264,203	6,659	6,188
80	46.179	117,778	661,061	5,613	5,142	80	66.178	168,785	1.074,351	6,365	5,895
81	42.747	101,183	543,282	5,369	4,899	81	62.954	149,014	905,566	6,077	5,606
82	39.238	86,196	442,099	5,129	4,658	82	59.445	130,587	756,552	5,793	5,323
83	35.555	72,487	355,903	4,910	4,439	83	55.604	113,362	625,965	5,522	5,051
84	31.932	60,419	283,416	4,691	4,220	84	51.619	97,670	512,603	5,248	4,778
85	28.411	49,890	222,997	4,470	3,999	85	47.471	83,360	414,933	4,978	4,507
86	25.109	40,921	173,107	4,230	3,760	86	43.349	70,647	331,573	4,693	4,223
87	21.783	32,947	132,186	4,012	3,541	87	38.979	58,956	260,926	4,426	3,955
88	18.512	25,986	99,239	3,819	3,348	88	34.384	48,266	201,969	4,185	3,714
89	15.448	20,125	73,253	3,640	3,169	89	29.862	38,903	153,704	3,951	3,480
90	12.671	15,319	53,128	3,468	2,997	90	25.436	30,753	114,801	3,733	3,262
91	10.212	11,459	37,808	3,299	2,829	91	21.278	23,876	84,048	3,520	3,050
92	8.040	8,373	26,349	3,147	2,676	92	17.290	18,006	60,173	3,342	2,871
93	6.192	5,984	17,976	3,004	2,533	93	13.739	13,279	42,167	3,176	2,705
94	4.658	4,178	11,992	2,870	2,399	94	10.662	9,563	28,888	3,021	2,550
95	3.420	2,847	7,814	2,745	2,274	95	8.069	6,717	19,325	2,877	2,406
96	2.447	1,890	4,967	2,628	2,157	96	5.949	4,596	12,608	2,743	2,272
97	1.704	1,222	3,077	2,519	2,048	97	4.266	3,059	8,012	2,619	2,148
98	1.154	0,768	1,855	2,416	1,946	98	2.973	1,978	4,953	2,504	2,033
99	759	0,469	1,087	2,321	1,850	99	2.010	1,241	2,974	2,397	1,926
100	484	0,277	0,619	2,232	1,761	100	1316	0,755	1,733	2,297	1,827

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Rente
nach der Sterbetafel 2002/2004**

Zinsfuß 8,00%

x	l _x	D _x	N _x	ä _x	⁽¹²⁾ ä _x	y	l _y	D _y	N _y	ä _y	⁽¹²⁾ ä _y
0	100.000	100.000,000	1.333.948,049	13,339	12,868	0	100.000	100.000,000	1.338.749,010	13,387	12,916
1	99.544	92.170,157	1.233.948,049	13,388	12,917	1	99.620	92.241,024	1.238.749,010	13,429	12,958
2	99.504	85.308,260	1.141.777,892	13,384	12,913	2	99.585	85.377,768	1.146.507,985	13,429	12,958
3	99.484	78.973,227	1.056.469,631	13,378	12,907	3	99.565	79.037,859	1.061.130,217	13,426	12,955
4	99.465	73.110,019	977.496,404	13,370	12,899	4	99.548	73.170,641	982.092,359	13,422	12,951
5	99.452	67.685,384	904.386,385	13,362	12,891	5	99.535	67.741,843	908.921,718	13,417	12,946
6	99.438	62.663,070	836.701,001	13,352	12,881	6	99.522	62.715,729	841.179,875	13,413	12,942
7	99.427	58.014,598	774.037,931	13,342	12,871	7	99.513	58.064,769	778.464,146	13,407	12,936
8	99.415	53.710,588	716.023,333	13,331	12,860	8	99.504	53.758,993	720.399,377	13,401	12,929
9	99.403	49.726,112	662.312,745	13,319	12,848	9	99.495	49.772,067	666.640,385	13,394	12,923
10	99.393	46.038,388	612.586,633	13,306	12,835	10	99.488	46.082,269	616.868,318	13,386	12,915
11	99.384	42.624,131	566.548,245	13,292	12,821	11	99.480	42.665,180	570.786,049	13,378	12,907
12	99.370	39.461,087	523.924,114	13,277	12,806	12	99.470	39.501,091	528.120,869	13,370	12,899
13	99.357	36.533,272	484.463,027	13,261	12,790	13	99.462	36.571,978	488.619,778	13,360	12,889
14	99.344	33.822,717	447.929,756	13,243	12,772	14	99.452	33.859,662	452.047,800	13,351	12,880
15	99.326	31.311,553	414.107,038	13,225	12,754	15	99.441	31.347,885	418.188,138	13,340	12,869
16	99.302	28.985,340	382.795,485	13,207	12,735	16	99.423	29.020,634	386.840,252	13,330	12,859
17	99.264	26.827,998	353.810,145	13,188	12,717	17	99.402	26.865,267	357.819,619	13,319	12,848
18	99.214	24.828,148	326.982,147	13,170	12,699	18	99.380	24.869,774	330.954,352	13,307	12,836
19	99.139	22.971,589	302.153,999	13,153	12,682	19	99.352	23.020,946	306.084,578	13,296	12,825
20	99.059	21.252,859	279.182,410	13,136	12,665	20	99.324	21.309,782	283.063,632	13,283	12,812
21	98.983	19.663,612	257.929,551	13,117	12,646	21	99.293	19.725,047	261.753,850	13,270	12,799
22	98.906	18.192,772	238.265,939	13,097	12,626	22	99.268	18.259,464	242.028,803	13,255	12,784
23	98.831	16.832,459	220.073,167	13,074	12,603	23	99.241	16.902,334	223.769,339	13,239	12,768
24	98.758	15.574,058	203.240,708	13,050	12,579	24	99.216	15.646,226	206.867,006	13,222	12,750
25	98.686	14.409,961	187.666,650	13,023	12,552	25	99.189	14.483,310	191.220,780	13,203	12,732
26	98.614	13.332,797	173.256,689	12,995	12,524	26	99.164	13.407,172	176.737,470	13,182	12,711
27	98.544	12.336,353	159.923,893	12,964	12,493	27	99.136	12.410,573	163.330,297	13,161	12,690
28	98.473	11.414,381	147.587,539	12,930	12,459	28	99.108	11.487,923	150.919,724	13,137	12,666
29	98.401	10.561,102	136.173,159	12,894	12,423	29	99.078	10.633,808	139.431,802	13,112	12,641
30	98.331	9.771,921	125.612,057	12,854	12,383	30	99.049	9.843,236	128.797,994	13,085	12,614
31	98.260	9.041,464	115.840,136	12,812	12,341	31	99.017	9.111,124	118.954,757	13,056	12,585
32	98.182	8.365,115	106.798,672	12,767	12,296	32	98.981	8.433,212	109.843,634	13,025	12,554
33	98.102	7.739,132	98.433,556	12,719	12,248	33	98.946	7.805,753	101.410,421	12,992	12,521
34	98.016	7.159,577	90.694,425	12,668	12,197	34	98.907	7.224,661	93.604,668	12,956	12,485
35	97.922	6.622,906	83.534,848	12,613	12,142	35	98.860	6.686,365	86.380,007	12,919	12,448
36	97.819	6.125,903	76.911,942	12,555	12,084	36	98.810	6.187,909	79.693,642	12,879	12,408
37	97.709	5.665,730	70.786,038	12,494	12,023	37	98.754	5.726,306	73.505,732	12,837	12,365
38	97.591	5.239,708	65.120,309	12,428	11,957	38	98.693	5.298,884	67.779,427	12,791	12,320
39	97.457	4.844,896	59.880,601	12,360	11,888	39	98.624	4.902,942	62.480,543	12,743	12,272
40	97.306	4.479,101	55.035,705	12,287	11,816	40	98.545	4.536,128	57.577,601	12,693	12,222
41	97.139	4.140,173	50.556,604	12,211	11,740	41	98.459	4.196,464	53.041,474	12,640	12,169
42	96.954	3.826,211	46.416,431	12,131	11,660	42	98.362	3.881,774	48.845,009	12,583	12,112
43	96.740	3.534,974	42.590,220	12,048	11,577	43	98.252	3.590,193	44.963,235	12,524	12,053
44	96.501	3.265,022	39.055,246	11,962	11,491	44	98.124	3.319,938	41.373,042	12,462	11,991
45	96.242	3.015,058	35.790,224	11,870	11,399	45	97.987	3.069,737	38.053,104	12,396	11,925
46	95.946	2.783,130	32.775,166	11,776	11,305	46	97.832	2.837,842	34.983,367	12,327	11,856
47	95.620	2.568,225	29.992,037	11,678	11,207	47	97.656	2.622,912	32.145,525	12,256	11,785
48	95.262	2.369,073	27.423,812	11,576	11,105	48	97.466	2.423,899	29.522,613	12,180	11,709
49	94.873	2.184,631	25.054,739	11,469	10,998	49	97.260	2.239,593	27.098,714	12,100	11,629

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Rente
nach der Sterbetafel 2002/2004**

Zinsfuß 8,00%

x	l _x	D _x	N _x	ä _x	⁽¹²⁾ ä _x	y	l _y	D _y	N _y	ä _y	⁽¹²⁾ ä _y
50	94.447	2.013,728	22.870,107	11,357	10,886	50	97.026	2.068,707	24.859,121	12,017	11,546
51	93.979	1.855,323	20.856,380	11,241	10,770	51	96.781	1.910,629	22.790,414	11,928	11,457
52	93.492	1.708,992	19.001,057	11,118	10,647	52	96.512	1.764,188	20.879,785	11,835	11,364
53	92.944	1.573,119	17.292,065	10,992	10,521	53	96.220	1.628,569	19.115,596	11,738	11,267
54	92.360	1.447,436	15.718,946	10,860	10,389	54	95.916	1.503,173	17.487,027	11,633	11,162
55	91.733	1.331,119	14.271,510	10,721	10,250	55	95.583	1.386,986	15.983,854	11,524	11,053
56	91.046	1.223,291	12.940,391	10,578	10,107	56	95.221	1.279,383	14.596,869	11,409	10,938
57	90.333	1.123,807	11.717,100	10,426	9,955	57	94.838	1.179,858	13.317,486	11,287	10,816
58	89.551	1.031,558	10.593,293	10,269	9,798	58	94.415	1.087,585	12.137,628	11,160	10,689
59	88.698	946,044	9.561,735	10,107	9,636	59	93.960	1.002,174	11.050,043	11,026	10,555
60	87.765	866,759	8.615,691	9,940	9,469	60	93.483	923,221	10.047,869	10,883	10,412
61	86.777	793,519	7.748,932	9,765	9,294	61	92.968	850,129	9.124,648	10,733	10,262
62	85.735	725,915	6.955,413	9,582	9,111	62	92.445	782,727	8.274,518	10,571	10,100
63	84.580	663,090	6.229,498	9,395	8,924	63	91.863	720,187	7.491,791	10,403	9,932
64	83.358	605,100	5.566,408	9,199	8,728	64	91.238	662,304	6.771,604	10,224	9,753
65	82.042	551,435	4.961,308	8,997	8,526	65	90.571	608,760	6.109,301	10,036	9,565
66	80.606	501,646	4.409,873	8,791	8,320	66	89.831	559,063	5.500,541	9,839	9,368
67	79.063	455,599	3.908,227	8,578	8,107	67	89.018	512,962	4.941,478	9,633	9,162
68	77.370	412,815	3.452,628	8,364	7,893	68	88.113	470,137	4.428,516	9,420	8,949
69	75.541	373,200	3.039,812	8,145	7,674	69	87.105	430,333	3.958,378	9,198	8,727
70	73.595	336,657	2.666,612	7,921	7,450	70	85.994	393,373	3.528,045	8,969	8,498
71	71.497	302,830	2.329,955	7,694	7,223	71	84.772	359,057	3.134,672	8,730	8,259
72	69.245	271,568	2.027,125	7,465	6,993	72	83.397	327,071	2.775,615	8,486	8,015
73	66.807	242,600	1.755,557	7,236	6,765	73	81.894	297,383	2.448,544	8,234	7,763
74	64.216	215,917	1.512,957	7,007	6,536	74	80.225	269,745	2.151,161	7,975	7,504
75	61.490	191,435	1.297,040	6,775	6,304	75	78.399	244,079	1.881,416	7,708	7,237
76	58.647	169,060	1.105,605	6,540	6,069	76	76.367	220,139	1.637,337	7,438	6,967
77	55.721	148,728	936,545	6,297	5,826	77	74.156	197,932	1.417,197	7,160	6,689
78	52.671	130,173	787,818	6,052	5,581	78	71.743	177,308	1.219,265	6,877	6,405
79	49.474	113,214	657,645	5,809	5,338	79	69.084	158,090	1.041,957	6,591	6,120
80	46.179	97,847	544,431	5,564	5,093	80	66.178	140,222	883,867	6,303	5,832
81	42.747	83,866	446,584	5,325	4,854	81	62.954	123,510	743,645	6,021	5,550
82	39.238	71,278	362,718	5,089	4,618	82	59.445	107,986	620,135	5,743	5,272
83	35.555	59,803	291,440	4,873	4,402	83	55.604	93,526	512,149	5,476	5,005
84	31.932	49,731	231,637	4,658	4,187	84	51.619	80,392	418,623	5,207	4,736
85	28.411	40,970	181,906	4,440	3,969	85	47.471	68,456	338,231	4,941	4,470
86	25.109	33,527	140,936	4,204	3,733	86	43.349	57,881	269,775	4,661	4,190
87	21.783	26,931	107,409	3,988	3,517	87	38.979	48,191	211,894	4,397	3,926
88	18.512	21,191	80,478	3,798	3,327	88	34.384	39,361	163,703	4,159	3,688
89	15.448	16,374	59,287	3,621	3,150	89	29.862	31,652	124,341	3,928	3,457
90	12.671	12,435	42,912	3,451	2,980	90	25.436	24,963	92,689	3,713	3,242
91	10.212	9,280	30,477	3,284	2,813	91	21.278	19,336	67,726	3,503	3,032
92	8.040	6,765	21,196	3,133	2,662	92	17.290	14,549	48,390	3,326	2,855
93	6.192	4,824	14,431	2,992	2,521	93	13.739	10,704	33,841	3,162	2,691
94	4.658	3,360	9,607	2,859	2,388	94	10.662	7,691	23,137	3,008	2,537
95	3.420	2,284	6,247	2,735	2,264	95	8.069	5,390	15,446	2,866	2,395
96	2.447	1,513	3,963	2,619	2,148	96	5.949	3,679	10,056	2,733	2,262
97	1.704	0,976	2,450	2,510	2,039	97	4.266	2,443	6,377	2,610	2,139
98	1.154	0,612	1,474	2,409	1,938	98	2.973	1,576	3,934	2,496	2,025
99	759	0,372	0,862	2,315	1,843	99	2.010	0,987	2,358	2,390	1,919
100	484	0,220	0,490	2,226	1,755	100	1316	0,598	1,371	2,291	1,820

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Rente
nach der Sterbetafel 2002/2004**

Zinsfuß 8,25%

x	l _x	D _x	N _x	ä _x	⁽¹²⁾ ä _x	y	l _y	D _y	N _y	ä _y	⁽¹²⁾ ä _y
0	100.000	100.000,000	1.297.460,378	12,975	12,503	0	100.000	100.000,000	1.301.813,014	13,018	12,547
1	99.544	91.957,293	1.197.460,378	13,022	12,550	1	99.620	92.027,997	1.201.813,014	13,059	12,588
2	99.504	84.914,682	1.105.503,085	13,019	12,548	2	99.585	84.983,868	1.109.785,017	13,059	12,587
3	99.484	78.427,331	1.020.588,403	13,013	12,542	3	99.565	78.491,516	1.024.801,149	13,056	12,585
4	99.465	72.436,974	942.161,072	13,007	12,535	4	99.548	72.497,038	946.309,633	13,053	12,582
5	99.452	66.907,399	869.724,098	12,999	12,527	5	99.535	66.963,209	873.812,595	13,049	12,578
6	99.438	61.799,757	802.816,699	12,991	12,519	6	99.522	61.851,691	806.849,386	13,045	12,573
7	99.427	57.083,191	741.016,942	12,981	12,510	7	99.513	57.132,556	744.997,695	13,040	12,568
8	99.415	52.726,229	683.933,751	12,971	12,500	8	99.504	52.773,746	687.865,139	13,034	12,563
9	99.403	48.702,041	631.207,522	12,961	12,489	9	99.495	48.747,049	635.091,392	13,028	12,557
10	99.393	44.986,128	582.505,481	12,949	12,477	10	99.488	45.029,006	586.344,343	13,021	12,550
11	99.384	41.553,719	537.519,353	12,936	12,464	11	99.480	41.593,736	541.315,337	13,014	12,543
12	99.370	38.381,261	495.965,634	12,922	12,451	12	99.470	38.420,171	499.721,601	13,007	12,535
13	99.357	35.451,500	457.584,373	12,907	12,436	13	99.462	35.489,061	461.301,430	12,998	12,527
14	99.344	32.744,408	422.132,872	12,891	12,420	14	99.452	32.781,175	425.812,369	12,990	12,518
15	99.326	30.244,218	389.387,465	12,875	12,403	15	99.441	30.279,312	393.031,193	12,980	12,509
16	99.302	27.932,641	359.143,246	12,857	12,386	16	99.423	27.966,653	362.751,881	12,971	12,499
17	99.264	25.793,942	331.210,605	12,841	12,369	17	99.402	25.829,774	334.785,227	12,961	12,490
18	99.214	23.816,045	305.416,663	12,824	12,353	18	99.380	23.855,974	308.955,453	12,951	12,479
19	99.139	21.984,277	281.600,618	12,809	12,338	19	99.352	22.031,513	285.099,479	12,941	12,469
20	99.059	20.292,444	259.616,340	12,794	12,322	20	99.324	20.346,795	263.067,966	12,929	12,458
21	98.983	18.731,655	239.323,896	12,776	12,305	21	99.293	18.790,179	242.721,171	12,917	12,446
22	98.906	17.290,502	220.592,241	12,758	12,287	22	99.268	17.353,886	223.930,993	12,904	12,432
23	98.831	15.960,707	203.301,739	12,738	12,266	23	99.241	16.026,963	206.577,107	12,889	12,418
24	98.758	14.733,373	187.341,032	12,715	12,244	24	99.216	14.801,646	190.550,144	12,874	12,402
25	98.686	13.600,631	172.607,659	12,691	12,220	25	99.189	13.669,861	175.748,499	12,857	12,385
26	98.614	12.554,903	159.007,028	12,665	12,194	26	99.164	12.624,940	162.078,638	12,838	12,367
27	98.544	11.589,768	146.452,124	12,636	12,165	27	99.136	11.659,497	149.453,698	12,818	12,347
28	98.473	10.698,827	134.862,356	12,605	12,134	28	99.108	10.767,759	137.794,202	12,797	12,326
29	98.401	9.876,178	124.163,529	12,572	12,101	29	99.078	9.944,169	127.026,443	12,774	12,303
30	98.331	9.117,073	114.287,351	12,536	12,064	30	99.049	9.183,610	117.082,274	12,749	12,278
31	98.260	8.416,086	105.170,278	12,496	12,025	31	99.017	8.480,927	107.898,664	12,723	12,251
32	98.182	7.768,535	96.754,192	12,455	11,983	32	98.981	7.831,776	99.417,738	12,694	12,223
33	98.102	7.170,597	88.985,657	12,410	11,938	33	98.946	7.232,324	91.585,962	12,663	12,192
34	98.016	6.618,297	81.815,060	12,362	11,891	34	98.907	6.678,461	84.353,638	12,631	12,159
35	97.922	6.108,061	75.196,763	12,311	11,840	35	98.860	6.166,587	77.675,176	12,596	12,125
36	97.819	5.636,646	69.088,702	12,257	11,786	36	98.810	5.693,700	71.508,590	12,559	12,088
37	97.709	5.201,185	63.452,056	12,200	11,728	37	98.754	5.256,795	65.814,890	12,520	12,049
38	97.591	4.798,985	58.250,871	12,138	11,667	38	98.693	4.853,183	60.558,095	12,478	12,007
39	97.457	4.427,134	53.451,886	12,074	11,602	39	98.624	4.480,174	55.704,912	12,434	11,962
40	97.306	4.083,428	49.024,752	12,006	11,534	40	98.545	4.135,417	51.224,738	12,387	11,915
41	97.139	3.765,723	44.941,325	11,934	11,463	41	98.459	3.816,923	47.089,321	12,337	11,866
42	96.954	3.472,119	41.175,602	11,859	11,387	42	98.362	3.522,540	43.272,398	12,284	11,813
43	96.740	3.200,426	37.703,482	11,781	11,309	43	98.252	3.250,419	39.749,858	12,229	11,758
44	96.501	2.949,195	34.503,056	11,699	11,228	44	98.124	2.998,799	36.499,439	12,171	11,700
45	96.242	2.717,120	31.553,861	11,613	11,142	45	97.987	2.766,397	33.500,639	12,110	11,638
46	95.946	2.502,318	28.836,741	11,524	11,053	46	97.832	2.551,510	30.734,242	12,046	11,574
47	95.620	2.303,764	26.334,422	11,431	10,960	47	97.656	2.352,820	28.182,732	11,978	11,507
48	95.262	2.120,212	24.030,658	11,334	10,863	48	97.466	2.169,279	25.829,913	11,907	11,436
49	94.873	1.950,630	21.910,446	11,232	10,761	49	97.260	1.999,705	23.660,634	11,832	11,361

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Rente
nach der Sterbetafel 2002/2004**

Zinsfuß 8,25%

x	l _x	D _x	N _x	ä _x	⁽¹²⁾ ä _x	y	l _y	D _y	N _y	ä _y	⁽¹²⁾ ä _y
50	94.447	1.793,879	19.959,816	11,127	10,655	50	97.026	1.842,856	21.660,929	11,754	11,283
51	93.979	1.648,952	18.165,937	11,017	10,545	51	96.781	1.698,106	19.818,073	11,671	11,199
52	93.492	1.515,389	16.516,985	10,900	10,428	52	96.512	1.564,333	18.119,967	11,583	11,112
53	92.944	1.391,687	15.001,596	10,779	10,308	53	96.220	1.440,742	16.555,634	11,491	11,020
54	92.360	1.277,543	13.609,909	10,653	10,182	54	95.916	1.326,737	15.114,892	11,393	10,921
55	91.733	1.172,164	12.332,366	10,521	10,050	55	95.583	1.221,360	13.788,155	11,289	10,818
56	91.046	1.074,725	11.160,202	10,384	9,913	56	95.221	1.124,005	12.566,795	11,180	10,709
57	90.333	985,043	10.085,476	10,239	9,767	57	94.838	1.034,173	11.442,790	11,065	10,593
58	89.551	902,097	9.100,434	10,088	9,617	58	94.415	951,092	10.408,617	10,944	10,472
59	88.698	825,404	8.198,337	9,933	9,461	59	93.960	874,376	9.457,525	10,816	10,345
60	87.765	754,483	7.372,933	9,772	9,301	60	93.483	803,631	8.583,149	10,680	10,209
61	86.777	689,135	6.618,450	9,604	9,133	61	92.968	738,298	7.779,517	10,537	10,066
62	85.735	628,968	5.929,315	9,427	8,956	62	92.445	678,193	7.041,219	10,382	9,911
63	84.580	573,206	5.300,348	9,247	8,775	63	91.863	622,563	6.363,026	10,221	9,749
64	83.358	521,869	4.727,141	9,058	8,587	64	91.238	571,205	5.740,463	10,050	9,578
65	82.042	474,488	4.205,273	8,863	8,391	65	90.571	523,813	5.169,258	9,869	9,397
66	80.606	430,649	3.730,785	8,663	8,192	66	89.831	479,940	4.645,445	9,679	9,208
67	79.063	390,216	3.300,136	8,457	7,986	67	89.018	439,347	4.165,506	9,481	9,010
68	77.370	352,755	2.909,920	8,249	7,778	68	88.113	401,738	3.726,159	9,275	8,804
69	75.541	318,167	2.557,165	8,037	7,566	69	87.105	366,875	3.324,421	9,061	8,590
70	73.595	286,350	2.238,997	7,819	7,348	70	85.994	334,591	2.957,546	8,839	8,368
71	71.497	256,983	1.952,647	7,598	7,127	71	84.772	304,698	2.622,955	8,608	8,137
72	69.245	229,922	1.695,664	7,375	6,904	72	83.397	276,913	2.318,257	8,372	7,900
73	66.807	204,921	1.465,742	7,153	6,681	73	81.894	251,196	2.041,344	8,126	7,655
74	64.216	181,962	1.260,821	6,929	6,458	74	80.225	227,325	1.790,148	7,875	7,403
75	61.490	160,957	1.078,859	6,703	6,231	75	78.399	205,220	1.562,823	7,615	7,144
76	58.647	141,816	917,902	6,472	6,001	76	76.367	184,664	1.357,603	7,352	6,880
77	55.721	124,472	776,086	6,235	5,764	77	74.156	165,652	1.172,939	7,081	6,609
78	52.671	108,692	651,614	5,995	5,524	78	71.743	148,049	1.007,287	6,804	6,332
79	49.474	94,313	542,922	5,757	5,285	79	69.084	131,697	859,238	6,524	6,053
80	46.179	81,323	448,609	5,516	5,045	80	66.178	116,542	727,541	6,243	5,771
81	42.747	69,542	367,286	5,281	4,810	81	62.954	102,416	610,999	5,966	5,494
82	39.238	58,968	297,743	5,049	4,578	82	59.445	89,336	508,583	5,693	5,221
83	35.555	49,361	238,776	4,837	4,366	83	55.604	77,195	419,247	5,431	4,960
84	31.932	40,952	189,415	4,625	4,154	84	51.619	66,201	342,052	5,167	4,695
85	28.411	33,660	148,463	4,411	3,939	85	47.471	56,241	275,851	4,905	4,433
86	25.109	27,481	114,803	4,178	3,706	86	43.349	47,444	219,610	4,629	4,157
87	21.783	22,024	87,322	3,965	3,493	87	38.979	39,410	172,165	4,369	3,897
88	18.512	17,290	65,298	3,777	3,305	88	34.384	32,115	132,756	4,134	3,662
89	15.448	13,329	48,008	3,602	3,130	89	29.862	25,765	100,641	3,906	3,435
90	12.671	10,099	34,679	3,434	2,962	90	25.436	20,274	74,876	3,693	3,222
91	10.212	7,519	24,580	3,269	2,797	91	21.278	15,667	54,602	3,485	3,014
92	8.040	5,469	17,060	3,120	2,648	92	17.290	11,761	38,935	3,311	2,839
93	6.192	3,891	11,591	2,979	2,508	93	13.739	8,633	27,174	3,148	2,676
94	4.658	2,704	7,701	2,848	2,377	94	10.662	6,189	18,541	2,996	2,525
95	3.420	1,834	4,997	2,725	2,254	95	8.069	4,327	12,353	2,855	2,383
96	2.447	1,212	3,163	2,610	2,139	96	5.949	2,947	8,026	2,723	2,252
97	1.704	0,780	1,951	2,502	2,031	97	4.266	1,952	5,079	2,601	2,130
98	1.154	0,488	1,172	2,402	1,931	98	2.973	1,257	3,126	2,488	2,017
99	759	0,296	0,684	2,308	1,837	99	2.010	0,785	1,870	2,383	1,911
100	484	0,175	0,388	2,220	1,749	100	1316	0,475	1,085	2,285	1,813

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Rente
nach der Sterbetafel 2002/2004**

Zinsfuß 8,50%

x	l _x	D _x	N _x	ä _x	⁽¹²⁾ ä _x	y	l _y	D _y	N _y	ä _y	⁽¹²⁾ ä _y
0	100.000	100.000,000	1.263.009,467	12,630	12,158	0	100.000	100.000,000	1.266.969,017	12,670	12,198
1	99.544	91.745,410	1.163.009,467	12,676	12,205	1	99.620	91.815,951	1.166.969,017	12,710	12,238
2	99.504	84.523,821	1.071.264,058	12,674	12,202	2	99.585	84.592,689	1.075.153,067	12,710	12,238
3	99.484	77.886,455	986.740,237	12,669	12,197	3	99.565	77.950,197	990.560,378	12,708	12,236
4	99.465	71.771,656	908.853,782	12,663	12,191	4	99.548	71.831,168	912.610,181	12,705	12,233
5	99.452	66.140,121	837.082,126	12,656	12,184	5	99.535	66.195,291	840.779,013	12,701	12,230
6	99.438	60.950,289	770.942,005	12,649	12,177	6	99.522	61.001,509	774.583,722	12,698	12,226
7	99.427	56.168,834	709.991,716	12,640	12,169	7	99.513	56.217,409	713.582,213	12,693	12,221
8	99.415	51.762,119	653.822,882	12,631	12,159	8	99.504	51.808,767	657.364,804	12,688	12,216
9	99.403	47.701,349	602.060,763	12,621	12,150	9	99.495	47.745,432	605.556,037	12,683	12,211
10	99.393	43.960,263	554.359,414	12,610	12,139	10	99.488	44.002,163	557.810,604	12,677	12,205
11	99.384	40.512,564	510.399,151	12,599	12,127	11	99.480	40.551,579	513.808,441	12,670	12,199
12	99.370	37.333,374	469.886,587	12,586	12,114	12	99.470	37.371,222	473.256,862	12,664	12,192
13	99.357	34.404,147	432.553,213	12,573	12,101	13	99.462	34.440,597	435.885,640	12,656	12,184
14	99.344	31.704,779	398.149,066	12,558	12,086	14	99.452	31.739,411	401.445,043	12,648	12,176
15	99.326	29.215,604	366.444,286	12,543	12,071	15	99.441	29.249,504	369.705,632	12,640	12,168
16	99.302	26.920,472	337.228,683	12,527	12,055	16	99.423	26.953,252	340.456,128	12,631	12,160
17	99.264	24.801,992	310.308,210	12,511	12,040	17	99.402	24.836,446	313.502,876	12,623	12,151
18	99.214	22.847,393	285.506,218	12,496	12,024	18	99.380	22.885,697	288.666,430	12,613	12,142
19	99.139	21.041,532	262.658,826	12,483	12,011	19	99.352	21.086,742	265.780,732	12,604	12,132
20	99.059	19.377,498	241.617,293	12,469	11,997	20	99.324	19.429,398	244.693,990	12,594	12,122
21	98.983	17.845,867	222.239,795	12,453	11,981	21	99.293	17.901,623	225.264,592	12,583	12,112
22	98.906	16.434,907	204.393,928	12,437	11,965	22	99.268	16.495,155	207.362,969	12,571	12,099
23	98.831	15.135,960	187.959,020	12,418	11,946	23	99.241	15.198,792	190.867,814	12,558	12,086
24	98.758	13.939,853	172.823,061	12,398	11,926	24	99.216	14.004,448	175.669,022	12,544	12,072
25	98.686	12.838,469	158.883,208	12,376	11,904	25	99.189	12.903,819	161.664,573	12,528	12,057
26	98.614	11.824,035	146.044,739	12,352	11,880	26	99.164	11.889,994	148.760,754	12,511	12,040
27	98.544	10.889,934	134.220,704	12,325	11,853	27	99.136	10.955,452	136.870,760	12,493	12,022
28	98.473	10.029,628	123.330,769	12,297	11,825	28	99.108	10.094,248	125.915,308	12,474	12,002
29	98.401	9.237,102	113.301,141	12,266	11,794	29	99.078	9.300,693	115.821,060	12,453	11,981
30	98.331	8.507,470	104.064,039	12,232	11,760	30	99.049	8.569,558	106.520,367	12,430	11,958
31	98.260	7.835,258	95.556,569	12,196	11,724	31	99.017	7.895,624	97.950,808	12,406	11,934
32	98.182	7.215,734	87.721,310	12,157	11,685	32	98.981	7.274,474	90.055,184	12,380	11,908
33	98.102	6.644,997	80.505,577	12,115	11,643	33	98.946	6.702,200	82.780,710	12,351	11,879
34	98.016	6.119,049	73.860,580	12,071	11,599	34	98.907	6.174,675	76.078,510	12,321	11,849
35	97.922	5.634,290	67.741,530	12,023	11,551	35	98.860	5.688,276	69.903,835	12,289	11,817
36	97.819	5.187,460	62.107,240	11,973	11,501	36	98.810	5.239,967	64.215,559	12,255	11,783
37	97.709	4.775,672	56.919,780	11,919	11,447	37	98.754	4.826,732	58.975,592	12,219	11,747
38	97.591	4.396,223	52.144,109	11,861	11,389	38	98.693	4.445,873	54.148,860	12,180	11,708
39	97.457	4.046,235	47.747,885	11,801	11,329	39	98.624	4.094,712	49.702,987	12,138	11,667
40	97.306	3.723,501	43.701,650	11,737	11,265	40	98.545	3.770,908	45.608,275	12,095	11,623
41	97.139	3.425,888	39.978,149	11,669	11,198	41	98.459	3.472,468	41.837,366	12,048	11,577
42	96.954	3.151,503	36.552,260	11,598	11,127	42	98.362	3.197,268	38.364,898	11,999	11,527
43	96.740	2.898,204	33.400,758	11,525	11,053	43	98.252	2.943,476	35.167,631	11,948	11,476
44	96.501	2.664,544	30.502,553	11,448	10,976	44	98.124	2.709,360	32.224,155	11,894	11,422
45	96.242	2.449,212	27.838,010	11,366	10,894	45	97.987	2.493,630	29.514,794	11,836	11,364
46	95.946	2.250,392	25.388,798	11,282	10,810	46	97.832	2.294,631	27.021,164	11,776	11,304
47	95.620	2.067,054	23.138,405	11,194	10,722	47	97.656	2.111,069	24.726,533	11,713	11,241
48	95.262	1.897,979	21.071,351	11,102	10,630	48	97.466	1.941,902	22.615,464	11,646	11,174
49	94.873	1.742,148	19.173,373	11,006	10,534	49	97.260	1.785,978	20.673,561	11,575	11,104

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Rente
nach der Sterbetafel 2002/2004**

Zinsfuß 8,50%

x	l _x	D _x	N _x	ä _x	⁽¹²⁾ ä _x	y	l _y	D _y	N _y	ä _y	⁽¹²⁾ ä _y
50	94.447	1.598,459	17.431,225	10,905	10,433	50	97.026	1.642,101	18.887,584	11,502	11,030
51	93.979	1.465,934	15.832,765	10,800	10,329	51	96.781	1.509,633	17.245,483	11,424	10,952
52	93.492	1.344,092	14.366,831	10,689	10,217	52	96.512	1.387,503	15.735,850	11,341	10,869
53	92.944	1.231,529	13.022,740	10,574	10,103	53	96.220	1.274,938	14.348,347	11,254	10,782
54	92.360	1.127,915	11.791,211	10,454	9,982	54	95.916	1.171,348	13.073,409	11,161	10,689
55	91.733	1.032,494	10.663,296	10,328	9,856	55	95.583	1.075,828	11.902,061	11,063	10,591
56	91.046	944,485	9.630,802	10,197	9,725	56	95.221	987,792	10.826,233	10,960	10,488
57	90.333	863,676	8.686,317	10,057	9,586	57	94.838	906,752	9.838,441	10,850	10,378
58	89.551	789,127	7.822,642	9,913	9,441	58	94.415	831,987	8.931,689	10,735	10,264
59	88.698	720,374	7.033,515	9,764	9,292	59	93.960	763,115	8.099,702	10,614	10,142
60	87.765	656,961	6.313,141	9,610	9,138	60	93.483	699,756	7.336,587	10,484	10,013
61	86.777	598,677	5.656,180	9,448	8,976	61	92.968	641,387	6.636,831	10,348	9,876
62	85.735	545,148	5.057,503	9,277	8,805	62	92.445	587,813	5.995,444	10,200	9,728
63	84.580	495,673	4.512,355	9,103	8,632	63	91.863	538,354	5.407,631	10,045	9,573
64	83.358	450,240	4.016,681	8,921	8,449	64	91.238	492,804	4.869,276	9,881	9,409
65	82.042	408,419	3.566,441	8,732	8,261	65	90.571	450,876	4.376,472	9,707	9,235
66	80.606	369,830	3.158,023	8,539	8,067	66	89.831	412,160	3.925,596	9,524	9,053
67	79.063	334,335	2.788,192	8,340	7,868	67	89.018	376,430	3.513,436	9,334	8,862
68	77.370	301,543	2.453,857	8,138	7,666	68	88.113	343,414	3.137,006	9,135	8,663
69	75.541	271,350	2.152,314	7,932	7,460	69	87.105	312,890	2.793,592	8,928	8,457
70	73.595	243,651	1.880,965	7,720	7,248	70	85.994	284,699	2.480,702	8,713	8,242
71	71.497	218,159	1.637,313	7,505	7,033	71	84.772	258,666	2.196,003	8,490	8,018
72	69.245	194,737	1.419,154	7,288	6,816	72	83.397	234,537	1.937,337	8,260	7,788
73	66.807	173,162	1.224,417	7,071	6,599	73	81.894	212,266	1.702,800	8,022	7,550
74	64.216	153,407	1.051,255	6,853	6,381	74	80.225	191,651	1.490,535	7,777	7,306
75	61.490	135,386	897,848	6,632	6,160	75	78.399	172,616	1.298,884	7,525	7,053
76	58.647	119,010	762,462	6,407	5,935	76	76.367	154,968	1.126,267	7,268	6,796
77	55.721	104,215	643,452	6,174	5,702	77	74.156	138,693	971,299	7,003	6,531
78	52.671	90,793	539,236	5,939	5,467	78	71.743	123,669	832,606	6,733	6,261
79	49.474	78,601	448,443	5,705	5,234	79	69.084	109,757	708,936	6,459	5,987
80	46.179	67,619	369,842	5,470	4,998	80	66.178	96,903	599,179	6,183	5,711
81	42.747	57,690	302,223	5,239	4,767	81	62.954	84,961	502,276	5,912	5,440
82	39.238	48,805	244,533	5,010	4,539	82	59.445	73,940	417,316	5,644	5,172
83	35.555	40,759	195,728	4,802	4,330	83	55.604	63,743	343,376	5,387	4,915
84	31.932	33,738	154,969	4,593	4,121	84	51.619	54,540	279,633	5,127	4,655
85	28.411	27,667	121,230	4,382	3,910	85	47.471	46,227	225,093	4,869	4,397
86	25.109	22,536	93,564	4,152	3,680	86	43.349	38,907	178,866	4,597	4,125
87	21.783	18,019	71,028	3,942	3,470	87	38.979	32,244	139,959	4,341	3,869
88	18.512	14,114	53,009	3,756	3,284	88	34.384	26,215	107,715	4,109	3,637
89	15.448	10,855	38,895	3,583	3,111	89	29.862	20,983	81,501	3,884	3,412
90	12.671	8,206	28,040	3,417	2,945	90	25.436	16,473	60,517	3,674	3,202
91	10.212	6,096	19,834	3,254	2,782	91	21.278	12,701	44,045	3,468	2,996
92	8.040	4,423	13,739	3,106	2,634	92	17.290	9,512	31,344	3,295	2,823
93	6.192	3,139	9,315	2,967	2,495	93	13.739	6,966	21,832	3,134	2,662
94	4.658	2,177	6,176	2,837	2,365	94	10.662	4,982	14,866	2,984	2,512
95	3.420	1,473	3,999	2,715	2,243	95	8.069	3,475	9,884	2,844	2,372
96	2.447	0,971	2,526	2,601	2,129	96	5.949	2,361	6,408	2,714	2,242
97	1.704	0,623	1,555	2,495	2,023	97	4.266	1,561	4,047	2,593	2,121
98	1.154	0,389	0,932	2,395	1,923	98	2.973	1,002	2,486	2,480	2,008
99	759	0,236	0,543	2,302	1,830	99	2.010	0,625	1,484	2,376	1,904
100	484	0,139	0,307	2,215	1,743	100	1316	0,377	0,859	2,279	1,807

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Rente
nach der Sterbetafel 2002/2004**

Zinsfuß 8,75%

x	l _x	D _x	N _x	ä _x	⁽¹²⁾ ä _x	y	l _y	D _y	N _y	ä _y	⁽¹²⁾ ä _y
0	100.000	100.000,000	1.230.435,807	12,304	11,832	0	100.000	100.000,000	1.234.049,802	12,340	11,868
1	99.544	91.534,501	1.130.435,807	12,350	11,878	1	99.620	91.604,879	1.134.049,802	12,380	11,908
2	99.504	84.135,652	1.038.901,306	12,348	11,876	2	99.585	84.204,204	1.042.444,922	12,380	11,908
3	99.484	77.350,541	954.765,654	12,343	11,871	3	99.565	77.413,844	958.240,718	12,378	11,906
4	99.465	71.113,959	877.415,113	12,338	11,866	4	99.548	71.172,926	880.826,874	12,376	11,904
5	99.452	65.383,377	806.301,154	12,332	11,860	5	99.535	65.437,916	809.653,948	12,373	11,901
6	99.438	60.114,412	740.917,777	12,325	11,853	6	99.522	60.164,930	744.216,033	12,370	11,897
7	99.427	55.271,178	680.803,365	12,318	11,845	7	99.513	55.318,976	684.051,103	12,366	11,893
8	99.415	50.817,796	625.532,188	12,309	11,837	8	99.504	50.863,594	628.732,127	12,361	11,889
9	99.403	46.723,451	574.714,392	12,300	11,828	9	99.495	46.766,631	577.868,534	12,356	11,884
10	99.393	42.960,073	527.990,940	12,290	11,818	10	99.488	43.001,020	531.101,903	12,351	11,879
11	99.384	39.499,803	485.030,868	12,279	11,807	11	99.480	39.537,842	488.100,883	12,345	11,873
12	99.370	36.316,411	445.531,065	12,268	11,796	12	99.470	36.353,227	448.563,041	12,339	11,867
13	99.357	33.390,040	409.214,654	12,256	11,783	13	99.462	33.425,416	412.209,813	12,332	11,860
14	99.344	30.699,504	375.824,615	12,242	11,770	14	99.452	30.733,037	378.784,397	12,325	11,853
15	99.326	28.224,221	345.125,111	12,228	11,756	15	99.441	28.256,971	348.051,361	12,317	11,845
16	99.302	25.947,184	316.900,890	12,213	11,741	16	99.423	25.978,779	319.794,390	12,310	11,838
17	99.264	23.850,341	290.953,706	12,199	11,727	17	99.402	23.883,473	293.815,611	12,302	11,830
18	99.214	21.920,232	267.103,365	12,185	11,713	18	99.380	21.956,982	269.932,138	12,294	11,821
19	99.139	20.141,246	245.183,133	12,173	11,701	19	99.352	20.184,522	247.975,156	12,285	11,813
20	99.059	18.505,770	225.041,887	12,161	11,688	20	99.324	18.555,335	227.790,634	12,276	11,804
21	98.983	17.003,863	206.536,117	12,146	11,674	21	99.293	17.056,988	209.235,299	12,267	11,795
22	98.906	15.623,476	189.532,254	12,131	11,659	22	99.268	15.680,749	192.178,311	12,256	11,784
23	98.831	14.355,583	173.908,778	12,114	11,642	23	99.241	14.415,176	176.497,562	12,244	11,772
24	98.758	13.190,752	159.553,196	12,096	11,624	24	99.216	13.251,875	162.082,386	12,231	11,759
25	98.686	12.120,626	146.362,444	12,075	11,603	25	99.189	12.182,322	148.830,511	12,217	11,745
26	98.614	11.137,251	134.241,818	12,053	11,581	26	99.164	11.199,379	136.648,189	12,201	11,729
27	98.544	10.233,826	123.104,568	12,029	11,557	27	99.136	10.295,396	125.448,810	12,185	11,713
28	98.473	9.403,685	112.870,742	12,003	11,531	28	99.108	9.464,272	115.153,414	12,167	11,695
29	98.401	8.640,711	103.467,057	11,974	11,502	29	99.078	8.700,196	105.689,142	12,148	11,676
30	98.331	7.939,893	94.826,346	11,943	11,471	30	99.049	7.997,838	96.988,946	12,127	11,655
31	98.260	7.295,717	86.886,454	11,909	11,437	31	99.017	7.351,926	88.991,108	12,104	11,632
32	98.182	6.703,407	79.590,737	11,873	11,401	32	98.981	6.757,977	81.639,182	12,080	11,608
33	98.102	6.159,003	72.887,330	11,834	11,362	33	98.946	6.212,022	74.881,205	12,054	11,582
34	98.016	5.658,483	66.728,327	11,793	11,320	34	98.907	5.709,922	68.669,183	12,026	11,554
35	97.922	5.198,233	61.069,844	11,748	11,276	35	98.860	5.248,041	62.959,261	11,997	11,525
36	97.819	4.774,982	55.871,611	11,701	11,229	36	98.810	4.823,314	57.711,220	11,965	11,493
37	97.709	4.385,832	51.096,629	11,650	11,178	37	98.754	4.432,724	52.887,906	11,931	11,459
38	97.591	4.028,076	46.710,797	11,596	11,124	38	98.693	4.073,568	48.455,182	11,895	11,423
39	97.457	3.698,874	42.682,721	11,539	11,067	39	98.624	3.743,190	44.381,614	11,857	11,384
40	97.306	3.396,021	38.983,846	11,479	11,007	40	98.545	3.439,259	40.638,424	11,816	11,344
41	97.139	3.117,400	35.587,825	11,416	10,944	41	98.459	3.159,786	37.199,165	11,773	11,301
42	96.954	2.861,129	32.470,425	11,349	10,877	42	98.362	2.902,678	34.039,380	11,727	11,255
43	96.740	2.625,121	29.609,295	11,279	10,807	43	98.252	2.666,127	31.136,702	11,679	11,206
44	96.501	2.407,929	26.984,174	11,206	10,734	44	98.124	2.448,429	28.470,575	11,628	11,156
45	96.242	2.208,247	24.576,246	11,129	10,657	45	97.987	2.248,295	26.022,146	11,574	11,102
46	95.946	2.024,324	22.367,999	11,050	10,577	46	97.832	2.064,119	23.773,851	11,518	11,045
47	95.620	1.855,129	20.343,675	10,966	10,494	47	97.656	1.894,631	21.709,732	11,459	10,986
48	95.262	1.699,472	18.488,546	10,879	10,407	48	97.466	1.738,802	19.815,101	11,396	10,924
49	94.873	1.556,353	16.789,074	10,787	10,315	49	97.260	1.595,509	18.076,299	11,329	10,857

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Rente
nach der Sterbetafel 2002/2004**

Zinsfuß 8,75%

x	l _x	D _x	N _x	ä _x	⁽¹²⁾ ä _x	y	l _y	D _y	N _y	ä _y	⁽¹²⁾ ä _y
50	94.447	1.424,706	15.232,721	10,692	10,220	50	97.026	1.463,603	16.480,790	11,260	10,788
51	93.979	1.303,583	13.808,015	10,592	10,120	51	96.781	1.342,442	15.017,187	11,186	10,714
52	93.492	1.192,486	12.504,432	10,486	10,014	52	96.512	1.231,001	13.674,745	11,109	10,636
53	92.944	1.090,108	11.311,946	10,377	9,905	53	96.220	1.128,533	12.443,744	11,026	10,554
54	92.360	996,098	10.221,838	10,262	9,790	54	95.916	1.034,455	11.315,212	10,938	10,466
55	91.733	909,732	9.225,740	10,141	9,669	55	95.583	947,914	10.280,757	10,846	10,373
56	91.046	830,274	8.316,008	10,016	9,544	56	95.221	868,344	9.332,843	10,748	10,276
57	90.333	757,491	7.485,734	9,882	9,410	57	94.838	795,272	8.464,499	10,644	10,171
58	89.551	690,517	6.728,243	9,744	9,272	58	94.415	728,021	7.669,227	10,534	10,062
59	88.698	628,907	6.037,726	9,600	9,128	59	93.960	666,220	6.941,206	10,419	9,947
60	87.765	572,226	5.408,820	9,452	8,980	60	93.483	609,502	6.274,986	10,295	9,823
61	86.777	520,261	4.836,594	9,296	8,824	61	92.968	557,377	5.665,484	10,165	9,692
62	85.735	472,655	4.316,332	9,132	8,660	62	92.445	509,646	5.108,107	10,023	9,551
63	84.580	428,771	3.843,678	8,964	8,492	63	91.863	465,691	4.598,461	9,874	9,402
64	83.358	388,574	3.414,907	8,788	8,316	64	91.238	425,309	4.132,770	9,717	9,245
65	82.042	351,671	3.026,332	8,606	8,133	65	90.571	388,229	3.707,461	9,550	9,077
66	80.606	317,712	2.674,662	8,419	7,946	66	89.831	354,076	3.319,232	9,374	8,902
67	79.063	286,559	2.356,949	8,225	7,753	67	89.018	322,639	2.965,155	9,190	8,718
68	77.370	257,858	2.070,390	8,029	7,557	68	88.113	293,664	2.642,517	8,998	8,526
69	75.541	231,506	1.812,532	7,829	7,357	69	87.105	266,947	2.348,853	8,799	8,327
70	73.595	207,397	1.581,026	7,623	7,151	70	85.994	242,337	2.081,906	8,591	8,119
71	71.497	185,271	1.373,630	7,414	6,942	71	84.772	219,671	1.839,570	8,374	7,902
72	69.245	164,999	1.188,359	7,202	6,730	72	83.397	198,721	1.619,899	8,152	7,679
73	66.807	146,382	1.023,359	6,991	6,519	73	81.894	179,438	1.421,177	7,920	7,448
74	64.216	129,384	876,977	6,778	6,306	74	80.225	161,639	1.241,739	7,682	7,210
75	61.490	113,922	747,594	6,562	6,090	75	78.399	145,250	1.080,101	7,436	6,964
76	58.647	99,913	633,671	6,342	5,870	76	76.367	130,101	934,850	7,186	6,713
77	55.721	87,291	533,759	6,115	5,643	77	74.156	116,170	804,750	6,927	6,455
78	52.671	75,874	446,468	5,884	5,412	78	71.743	103,347	688,580	6,663	6,191
79	49.474	65,534	370,594	5,655	5,183	79	69.084	91,510	585,233	6,395	5,923
80	46.179	56,248	305,061	5,423	4,951	80	66.178	80,607	493,723	6,125	5,653
81	42.747	47,878	248,813	5,197	4,725	81	62.954	70,511	413,116	5,859	5,387
82	39.238	40,411	200,934	4,972	4,500	82	59.445	61,223	342,605	5,596	5,124
83	35.555	33,672	160,523	4,767	4,295	83	55.604	52,659	281,381	5,343	4,871
84	31.932	27,808	126,851	4,562	4,090	84	51.619	44,952	228,722	5,088	4,616
85	28.411	22,751	99,044	4,353	3,881	85	47.471	38,014	183,770	4,834	4,362
86	25.109	18,489	76,293	4,126	3,654	86	43.349	31,920	145,756	4,566	4,094
87	21.783	14,749	57,804	3,919	3,447	87	38.979	26,393	113,836	4,313	3,841
88	18.512	11,526	43,054	3,735	3,263	88	34.384	21,408	87,443	4,085	3,612
89	15.448	8,844	31,528	3,565	3,093	89	29.862	17,097	66,035	3,862	3,390
90	12.671	6,671	22,684	3,401	2,928	90	25.436	13,391	48,938	3,655	3,182
91	10.212	4,944	16,013	3,239	2,767	91	21.278	10,301	35,547	3,451	2,979
92	8.040	3,579	11,069	3,093	2,621	92	17.290	7,697	25,247	3,280	2,808
93	6.192	2,534	7,490	2,955	2,483	93	13.739	5,624	17,550	3,121	2,648
94	4.658	1,753	4,956	2,826	2,354	94	10.662	4,013	11,926	2,972	2,500
95	3.420	1,184	3,202	2,706	2,233	95	8.069	2,793	7,913	2,833	2,361
96	2.447	0,779	2,019	2,593	2,120	96	5.949	1,893	5,120	2,704	2,232
97	1.704	0,499	1,240	2,487	2,015	97	4.266	1,249	3,227	2,584	2,112
98	1.154	0,310	0,741	2,388	1,916	98	2.973	0,800	1,978	2,473	2,000
99	759	0,188	0,431	2,295	1,823	99	2.010	0,497	1,178	2,369	1,897
100	484	0,110	0,243	2,209	1,737	100	1316	0,300	0,681	2,272	1,800

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Rente
nach der Sterbetafel 2002/2004**

Zinsfuß 9,00%

x	l _x	D _x	N _x	ä _x	⁽¹²⁾ ä _x	y	l _y	D _y	N _y	ä _y	⁽¹²⁾ ä _y
0	100.000	100.000,000	1.199.595,377	11,996	11,523	0	100.000	100.000,000	1.202.904,801	12,029	11,556
1	99.544	91.324,559	1.099.595,377	12,041	11,568	1	99.620	91.394,776	1.102.904,801	12,067	11,595
2	99.504	83.750,152	1.008.270,817	12,039	11,566	2	99.585	83.818,389	1.011.510,024	12,068	11,595
3	99.484	76.819,532	924.520,666	12,035	11,562	3	99.565	76.882,401	927.691,635	12,066	11,594
4	99.465	70.463,778	847.701,134	12,030	11,558	4	99.548	70.522,206	850.809,234	12,064	11,592
5	99.452	64.636,999	777.237,355	12,025	11,552	5	99.535	64.690,915	780.287,028	12,062	11,589
6	99.438	59.291,879	712.600,357	12,019	11,546	6	99.522	59.341,705	715.596,113	12,059	11,586
7	99.427	54.389,879	653.308,478	12,012	11,539	7	99.513	54.436,915	656.254,408	12,055	11,583
8	99.415	49.892,810	598.918,599	12,004	11,532	8	99.504	49.937,774	601.817,493	12,051	11,579
9	99.403	45.767,778	549.025,789	11,996	11,523	9	99.495	45.810,074	551.879,719	12,047	11,575
10	99.393	41.984,858	503.258,011	11,987	11,514	10	99.488	42.024,875	506.069,645	12,042	11,570
11	99.384	38.514,598	461.273,154	11,977	11,504	11	99.480	38.551,689	464.044,770	12,037	11,564
12	99.370	35.329,389	422.758,555	11,966	11,494	12	99.470	35.365,205	425.493,080	12,031	11,559
13	99.357	32.408,051	387.429,166	11,955	11,482	13	99.462	32.442,387	390.127,875	12,025	11,553
14	99.344	29.728,302	355.021,115	11,942	11,470	14	99.452	29.760,774	357.685,488	12,019	11,546
15	99.326	27.268,640	325.292,813	11,929	11,457	15	99.441	27.300,281	327.924,714	12,012	11,539
16	99.302	25.011,199	298.024,174	11,916	11,443	16	99.423	25.041,654	300.624,433	12,005	11,532
17	99.264	22.937,266	273.012,974	11,903	11,430	17	99.402	22.969,129	275.582,779	11,998	11,525
18	99.214	21.032,697	250.075,709	11,890	11,417	18	99.380	21.067,959	252.613,650	11,990	11,518
19	99.139	19.281,416	229.043,011	11,879	11,406	19	99.352	19.322,844	231.545,690	11,983	11,510
20	99.059	17.675,126	209.761,595	11,868	11,395	20	99.324	17.722,466	212.222,846	11,975	11,502
21	98.983	16.203,383	192.086,470	11,855	11,382	21	99.293	16.254,008	194.500,380	11,966	11,494
22	98.906	14.853,833	175.883,086	11,841	11,368	22	99.268	14.908,285	178.246,372	11,956	11,484
23	98.831	13.617,096	161.029,253	11,826	11,353	23	99.241	13.673,623	163.338,087	11,945	11,473
24	98.758	12.483,488	147.412,157	11,809	11,336	24	99.216	12.541,335	149.664,465	11,934	11,461
25	98.686	11.444,432	134.928,669	11,790	11,317	25	99.189	11.502,686	137.123,129	11,921	11,448
26	98.614	10.491,799	123.484,237	11,770	11,297	26	99.164	10.550,326	125.620,443	11,907	11,434
27	98.544	9.618,620	112.992,438	11,747	11,275	27	99.136	9.676,489	115.070,117	11,892	11,419
28	98.473	8.818,111	103.373,819	11,723	11,250	28	99.108	8.874,925	105.393,628	11,875	11,403
29	98.401	8.084,064	94.555,708	11,697	11,224	29	99.078	8.139,717	96.518,703	11,858	11,385
30	98.331	7.411,356	86.471,644	11,667	11,195	30	99.049	7.465,444	88.378,986	11,838	11,366
31	98.260	6.794,441	79.060,288	11,636	11,163	31	99.017	6.846,789	80.913,542	11,818	11,345
32	98.182	6.228,510	72.265,847	11,602	11,130	32	98.981	6.279,214	74.066,754	11,796	11,323
33	98.102	5.709,548	66.037,337	11,566	11,094	33	98.946	5.758,698	67.787,540	11,771	11,299
34	98.016	5.233,523	60.327,789	11,527	11,055	34	98.907	5.281,098	62.028,842	11,745	11,273
35	97.922	4.796,811	55.094,266	11,486	11,013	35	98.860	4.842,773	56.747,743	11,718	11,245
36	97.819	4.396,139	50.297,455	11,441	10,969	36	98.810	4.440,636	51.904,970	11,689	11,216
37	97.709	4.028,602	45.901,316	11,394	10,921	37	98.754	4.071,675	47.464,334	11,657	11,185
38	97.591	3.691,500	41.872,714	11,343	10,870	38	98.693	3.733,191	43.392,660	11,623	11,151
39	97.457	3.382,030	38.181,214	11,289	10,817	39	98.624	3.422,550	39.659,469	11,588	11,115
40	97.306	3.097,998	34.799,184	11,233	10,760	40	98.545	3.137,441	36.236,919	11,550	11,077
41	97.139	2.837,305	31.701,186	11,173	10,700	41	98.459	2.875,882	33.099,478	11,509	11,037
42	96.954	2.598,087	28.863,881	11,110	10,637	42	98.362	2.635,816	30.223,596	11,467	10,994
43	96.740	2.378,309	26.265,793	11,044	10,571	43	98.252	2.415,460	27.587,780	11,421	10,949
44	96.501	2.176,534	23.887,484	10,975	10,502	44	98.124	2.213,142	25.172,320	11,374	10,901
45	96.242	1.991,463	21.710,950	10,902	10,429	45	97.987	2.027,579	22.959,178	11,323	10,851
46	95.946	1.821,408	19.719,487	10,827	10,354	46	97.832	1.857,214	20.931,599	11,270	10,798
47	95.620	1.665,345	17.898,079	10,747	10,275	47	97.656	1.700,806	19.074,384	11,215	10,742
48	95.262	1.522,113	16.232,734	10,665	10,192	48	97.466	1.557,338	17.373,578	11,156	10,683
49	94.873	1.390,733	14.710,622	10,578	10,105	49	97.260	1.425,722	15.816,240	11,093	10,621

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Rente
nach der Sterbetafel 2002/2004**

Zinsfuß 9,00%

x	l _x	D _x	N _x	ä _x	⁽¹²⁾ ä _x	y	l _y	D _y	N _y	ä _y	⁽¹²⁾ ä _y
50	94.447	1.270,175	13.319,889	10,487	10,014	50	97.026	1.304,854	14.390,518	11,028	10,556
51	93.979	1.159,524	12.049,713	10,392	9,919	51	96.781	1.194,089	13.085,665	10,959	10,486
52	93.492	1.058,272	10.890,190	10,291	9,818	52	96.512	1.092,452	11.891,576	10,885	10,413
53	92.944	965,198	9.831,918	10,186	9,714	53	96.220	999,219	10.799,124	10,808	10,335
54	92.360	879,937	8.866,720	10,077	9,604	54	95.916	913,820	9.799,905	10,724	10,252
55	91.733	801,800	7.986,783	9,961	9,489	55	95.583	835,451	8.886,084	10,636	10,164
56	91.046	730,090	7.184,984	9,841	9,369	56	95.221	763,567	8.050,633	10,543	10,071
57	90.333	664,562	6.454,894	9,713	9,240	57	94.838	697,707	7.287,066	10,444	9,972
58	89.551	604,414	5.790,332	9,580	9,108	58	94.415	637,242	6.589,359	10,340	9,868
59	88.698	549,224	5.185,918	9,442	8,970	59	93.960	581,810	5.952,117	10,230	9,758
60	87.765	498,579	4.636,694	9,300	8,827	60	93.483	531,057	5.370,307	10,112	9,640
61	86.777	452,262	4.138,115	9,150	8,677	61	92.968	484,527	4.839,250	9,988	9,515
62	85.735	409,936	3.685,853	8,991	8,519	62	92.445	442,018	4.354,723	9,852	9,379
63	84.580	371,022	3.275,917	8,829	8,357	63	91.863	402,970	3.912,705	9,710	9,237
64	83.358	335,468	2.904,895	8,659	8,187	64	91.238	367,182	3.509,735	9,559	9,086
65	82.042	302,912	2.569,427	8,482	8,010	65	90.571	334,401	3.142,553	9,398	8,925
66	80.606	273,034	2.266,515	8,301	7,829	66	89.831	304,284	2.808,152	9,229	8,756
67	79.063	245,697	1.993,482	8,114	7,641	67	89.018	276,632	2.503,867	9,051	8,579
68	77.370	220,582	1.747,785	7,924	7,451	68	88.113	251,211	2.227,236	8,866	8,393
69	75.541	197,584	1.527,203	7,729	7,257	69	87.105	227,833	1.976,025	8,673	8,201
70	73.595	176,602	1.329,619	7,529	7,056	70	85.994	206,354	1.748,193	8,472	7,999
71	71.497	157,400	1.153,017	7,325	6,853	71	84.772	186,625	1.541,839	8,262	7,789
72	69.245	139,856	995,617	7,119	6,646	72	83.397	168,440	1.355,214	8,046	7,573
73	66.807	123,791	855,761	6,913	6,440	73	81.894	151,746	1.186,774	7,821	7,348
74	64.216	109,165	731,970	6,705	6,233	74	80.225	136,380	1.035,029	7,589	7,117
75	61.490	95,900	622,804	6,494	6,022	75	78.399	122,271	898,649	7,350	6,877
76	58.647	83,913	526,905	6,279	5,807	76	76.367	109,267	776,377	7,105	6,633
77	55.721	73,144	442,992	6,056	5,584	77	74.156	97,343	667,110	6,853	6,381
78	52.671	63,432	369,847	5,831	5,358	78	71.743	86,400	569,767	6,595	6,122
79	49.474	54,662	306,415	5,606	5,133	79	69.084	76,329	483,367	6,333	5,860
80	46.179	46,809	251,754	5,378	4,906	80	66.178	67,080	407,038	6,068	5,595
81	42.747	39,752	204,945	5,156	4,683	81	62.954	58,544	339,958	5,807	5,334
82	39.238	33,476	165,193	4,935	4,462	82	59.445	50,716	281,414	5,549	5,076
83	35.555	27,829	131,717	4,733	4,261	83	55.604	43,521	230,698	5,301	4,828
84	31.932	22,930	103,888	4,531	4,058	84	51.619	37,067	187,177	5,050	4,577
85	28.411	18,717	80,958	4,325	3,853	85	47.471	31,273	150,110	4,800	4,327
86	25.109	15,176	62,241	4,101	3,629	86	43.349	26,200	118,837	4,536	4,063
87	21.783	12,079	47,066	3,897	3,424	87	38.979	21,614	92,636	4,286	3,813
88	18.512	9,417	34,987	3,715	3,243	88	34.384	17,492	71,023	4,060	3,588
89	15.448	7,210	25,570	3,547	3,074	89	29.862	13,937	53,531	3,841	3,368
90	12.671	5,425	18,360	3,384	2,912	90	25.436	10,891	39,595	3,636	3,163
91	10.212	4,012	12,935	3,224	2,752	91	21.278	8,358	28,704	3,434	2,962
92	8.040	2,898	8,923	3,080	2,607	92	17.290	6,231	20,346	3,265	2,793
93	6.192	2,047	6,026	2,944	2,471	93	13.739	4,542	14,115	3,107	2,635
94	4.658	1,413	3,979	2,816	2,343	94	10.662	3,234	9,572	2,960	2,487
95	3.420	0,952	2,566	2,696	2,224	95	8.069	2,246	6,338	2,823	2,350
96	2.447	0,625	1,614	2,584	2,111	96	5.949	1,519	4,093	2,695	2,222
97	1.704	0,399	0,989	2,479	2,006	97	4.266	0,999	2,574	2,576	2,103
98	1.154	0,248	0,590	2,381	1,908	98	2.973	0,639	1,575	2,465	1,992
99	759	0,150	0,342	2,289	1,816	99	2.010	0,396	0,936	2,362	1,889
100	484	0,088	0,193	2,203	1,731	100	1316	0,238	0,540	2,266	1,794

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Rente
nach der Sterbetafel 2002/2004**

Zinsfuß 9,25%

x	l _x	D _x	N _x	ä _x	⁽¹²⁾ ä _x	y	l _y	D _y	N _y	ä _y	⁽¹²⁾ ä _y
0	100.000	100.000,000	1.170.357,903	11,704	11,231	0	100.000	100.000,000	1.173.398,170	11,734	11,261
1	99.544	91.115,579	1.070.357,903	11,747	11,274	1	99.620	91.185,635	1.073.398,170	11,772	11,299
2	99.504	83.367,294	979.242,324	11,746	11,273	2	99.585	83.435,220	982.212,535	11,772	11,299
3	99.484	76.293,373	895.875,030	11,743	11,270	3	99.565	76.355,811	898.777,315	11,771	11,298
4	99.465	69.821,011	819.581,657	11,738	11,265	4	99.548	69.878,906	822.421,504	11,769	11,296
5	99.452	63.900,822	749.760,646	11,733	11,260	5	99.535	63.954,124	752.542,598	11,767	11,294
6	99.438	58.482,445	685.859,824	11,728	11,255	6	99.522	58.531,592	688.588,473	11,764	11,291
7	99.427	53.524,603	627.377,378	11,721	11,248	7	99.513	53.570,891	630.056,881	11,761	11,288
8	99.415	48.986,723	573.852,775	11,714	11,242	8	99.504	49.030,870	576.485,990	11,758	11,285
9	99.403	44.833,774	524.866,052	11,707	11,234	9	99.495	44.875,207	527.455,120	11,754	11,281
10	99.393	41.033,939	480.032,279	11,698	11,225	10	99.488	41.073,050	482.579,913	11,749	11,276
11	99.384	37.556,140	438.998,340	11,689	11,216	11	99.480	37.592,308	441.506,863	11,745	11,272
12	99.370	34.371,363	401.442,200	11,680	11,207	12	99.470	34.406,208	403.914,556	11,740	11,267
13	99.357	31.457,093	367.070,836	11,669	11,196	13	99.462	31.490,422	369.508,348	11,734	11,261
14	99.344	28.789,945	335.613,743	11,657	11,184	14	99.452	28.821,392	339.017,926	11,728	11,255
15	99.326	26.347,491	306.823,798	11,645	11,172	15	99.441	26.378,063	309.196,534	11,722	11,249
16	99.302	24.111,007	280.476,308	11,633	11,160	16	99.423	24.140,366	282.818,471	11,716	11,243
17	99.264	22.061,119	256.365,300	11,621	11,148	17	99.402	22.091,765	258.678,105	11,709	11,236
18	99.214	20.183,009	234.304,181	11,609	11,136	18	99.380	20.216,846	236.586,339	11,702	11,230
19	99.139	18.460,137	214.121,173	11,599	11,126	19	99.352	18.499,801	216.369,493	11,696	11,223
20	99.059	16.883,542	195.661,036	11,589	11,116	20	99.324	16.928,762	197.869,692	11,688	11,215
21	98.983	15.442,294	178.777,494	11,577	11,104	21	99.293	15.490,540	180.940,930	11,681	11,208
22	98.906	14.123,740	163.335,200	11,565	11,092	22	99.268	14.175,515	165.450,390	11,672	11,199
23	98.831	12.918,161	149.211,461	11,551	11,078	23	99.241	12.971,787	151.274,875	11,662	11,189
24	98.758	11.815,639	136.293,300	11,535	11,062	24	99.216	11.870,391	138.303,089	11,651	11,178
25	98.686	10.807,383	124.477,661	11,518	11,045	25	99.189	10.862,395	126.432,698	11,639	11,167
26	98.614	9.885,106	113.670,278	11,499	11,026	26	99.164	9.940,249	115.570,303	11,627	11,154
27	98.544	9.041,681	103.785,172	11,479	11,006	27	99.136	9.096,079	105.630,054	11,613	11,140
28	98.473	8.270,219	94.743,491	11,456	10,983	28	99.108	8.323,504	96.533,976	11,598	11,125
29	98.401	7.564,430	86.473,272	11,432	10,959	29	99.078	7.616,506	88.210,472	11,581	11,109
30	98.331	6.919,094	78.908,842	11,405	10,932	30	99.049	6.969,590	80.593,966	11,564	11,091
31	98.260	6.328,640	71.989,748	11,375	10,902	31	99.017	6.377,398	73.624,376	11,545	11,072
32	98.182	5.788,231	65.661,108	11,344	10,871	32	98.981	5.835,350	67.246,978	11,524	11,051
33	98.102	5.293,811	59.872,877	11,310	10,837	33	98.946	5.339,383	61.411,627	11,502	11,029
34	98.016	4.841,343	54.579,066	11,274	10,801	34	98.907	4.885,354	56.072,245	11,478	11,005
35	97.922	4.427,203	49.737,722	11,235	10,762	35	98.860	4.469,623	51.186,891	11,452	10,979
36	97.819	4.048,119	45.310,519	11,193	10,720	36	98.810	4.089,094	46.717,267	11,425	10,952
37	97.709	3.701,189	41.262,400	11,148	10,675	37	98.754	3.740,761	42.628,173	11,396	10,923
38	97.591	3.383,723	37.561,211	11,101	10,628	38	98.693	3.421,938	38.887,412	11,364	10,891
39	97.457	3.092,962	34.177,487	11,050	10,577	39	98.624	3.130,018	35.465,474	11,331	10,858
40	97.306	2.826,723	31.084,526	10,997	10,524	40	98.545	2.862,712	32.335,456	11,295	10,822
41	97.139	2.582,933	28.257,803	10,940	10,467	41	98.459	2.618,052	29.472,744	11,258	10,785
42	96.954	2.359,750	25.674,869	10,880	10,407	42	98.362	2.394,017	26.854,692	11,217	10,744
43	96.740	2.155,190	23.315,120	10,818	10,345	43	98.252	2.188,856	24.460,675	11,175	10,702
44	96.501	1.967,831	21.159,930	10,753	10,280	44	98.124	2.000,929	22.271,819	11,131	10,658
45	96.242	1.796,386	19.192,099	10,684	10,211	45	97.987	1.828,964	20.270,891	11,083	10,610
46	95.946	1.639,229	17.395,714	10,612	10,139	46	97.832	1.671,454	18.441,927	11,033	10,561
47	95.620	1.495,346	15.756,484	10,537	10,064	47	97.656	1.527,187	16.770,473	10,981	10,508
48	95.262	1.363,607	14.261,139	10,458	9,985	48	97.466	1.395,165	15.243,286	10,926	10,453
49	94.873	1.243,058	12.897,531	10,376	9,903	49	97.260	1.274,331	13.848,121	10,867	10,394

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Rente
nach der Sterbetafel 2002/2004**

Zinsfuß 9,25%

x	l _x	D _x	N _x	ä _x	⁽¹²⁾ ä _x	y	l _y	D _y	N _y	ä _y	⁽¹²⁾ ä _y
50	94.447	1.132,703	11.654,473	10,289	9,816	50	97.026	1.163,629	12.573,790	10,806	10,333
51	93.979	1.031,662	10.521,770	10,199	9,726	51	96.781	1.062,415	11.410,161	10,740	10,267
52	93.492	939,421	9.490,108	10,102	9,629	52	96.512	969,762	10.347,746	10,670	10,197
53	92.944	854,838	8.550,688	10,003	9,530	53	96.220	884,970	9.377,984	10,597	10,124
54	92.360	777,543	7.695,849	9,898	9,425	54	95.916	807,484	8.493,014	10,518	10,045
55	91.733	706,877	6.918,307	9,787	9,314	55	95.583	736,545	7.685,530	10,435	9,962
56	91.046	642,184	6.211,430	9,672	9,199	56	95.221	671,630	6.948,986	10,346	9,874
57	90.333	583,208	5.569,246	9,549	9,076	57	94.838	612,296	6.277,356	10,252	9,779
58	89.551	529,210	4.986,038	9,422	8,949	58	94.415	557,953	5.665,060	10,153	9,680
59	88.698	479,786	4.456,829	9,289	8,816	59	93.960	508,252	5.107,108	10,048	9,575
60	87.765	434,547	3.977,043	9,152	8,679	60	93.483	462,854	4.598,855	9,936	9,463
61	86.777	393,277	3.542,495	9,008	8,535	61	92.968	421,333	4.136,001	9,816	9,344
62	85.735	355,655	3.149,219	8,855	8,382	62	92.445	383,490	3.714,668	9,686	9,214
63	84.580	321,157	2.793,564	8,698	8,225	63	91.863	348,811	3.331,178	9,550	9,077
64	83.358	289,717	2.472,406	8,534	8,061	64	91.238	317,106	2.982,367	9,405	8,932
65	82.042	261,002	2.182,689	8,363	7,890	65	90.571	288,135	2.665,260	9,250	8,777
66	80.606	234,720	1.921,686	8,187	7,714	66	89.831	261,585	2.377,125	9,087	8,614
67	79.063	210,736	1.686,966	8,005	7,532	67	89.018	237,269	2.115,540	8,916	8,443
68	77.370	188,761	1.476,231	7,821	7,348	68	88.113	214,972	1.878,272	8,737	8,264
69	75.541	168,695	1.287,470	7,632	7,159	69	87.105	194,520	1.663,300	8,551	8,078
70	73.595	150,435	1.118,775	7,437	6,964	70	85.994	175,779	1.468,780	8,356	7,883
71	71.497	133,771	968,340	7,239	6,766	71	84.772	158,609	1.293,001	8,152	7,679
72	69.245	118,589	834,568	7,037	6,565	72	83.397	142,826	1.134,392	7,942	7,470
73	66.807	104,727	715,979	6,837	6,364	73	81.894	128,376	991,566	7,724	7,251
74	64.216	92,142	611,252	6,634	6,161	74	80.225	115,113	863,189	7,499	7,026
75	61.490	80,760	519,110	6,428	5,955	75	78.399	102,968	748,076	7,265	6,792
76	58.647	70,504	438,350	6,217	5,744	76	76.367	91,807	645,108	7,027	6,554
77	55.721	61,315	367,846	5,999	5,526	77	74.156	81,601	553,301	6,781	6,308
78	52.671	53,052	306,531	5,778	5,305	78	71.743	72,262	471,701	6,528	6,055
79	49.474	45,612	253,479	5,557	5,084	79	69.084	63,692	399,439	6,271	5,798
80	46.179	38,970	207,866	5,334	4,861	80	66.178	55,847	335,746	6,012	5,539
81	42.747	33,020	168,896	5,115	4,642	81	62.954	48,628	279,899	5,756	5,283
82	39.238	27,742	135,877	4,898	4,425	82	59.445	42,030	231,271	5,503	5,030
83	35.555	23,010	108,134	4,699	4,227	83	55.604	35,985	189,241	5,259	4,786
84	31.932	18,916	85,124	4,500	4,027	84	51.619	30,578	153,256	5,012	4,539
85	28.411	15,405	66,209	4,298	3,825	85	47.471	25,740	122,678	4,766	4,293
86	25.109	12,462	50,804	4,077	3,604	86	43.349	21,515	96,938	4,506	4,033
87	21.783	9,896	38,342	3,874	3,402	87	38.979	17,708	75,423	4,259	3,786
88	18.512	7,698	28,446	3,695	3,222	88	34.384	14,298	57,716	4,037	3,564
89	15.448	5,880	20,748	3,529	3,056	89	29.862	11,366	43,418	3,820	3,347
90	12.671	4,414	14,868	3,368	2,895	90	25.436	8,862	32,052	3,617	3,144
91	10.212	3,257	10,454	3,210	2,737	91	21.278	6,785	23,190	3,418	2,945
92	8.040	2,347	7,197	3,067	2,594	92	17.290	5,047	16,405	3,250	2,777
93	6.192	1,654	4,850	2,932	2,459	93	13.739	3,671	11,358	3,094	2,621
94	4.658	1,139	3,196	2,805	2,332	94	10.662	2,607	7,687	2,948	2,475
95	3.420	0,765	2,057	2,687	2,214	95	8.069	1,806	5,079	2,812	2,339
96	2.447	0,501	1,291	2,575	2,102	96	5.949	1,219	3,273	2,685	2,212
97	1.704	0,320	0,790	2,471	1,998	97	4.266	0,800	2,054	2,567	2,094
98	1.154	0,198	0,470	2,374	1,901	98	2.973	0,510	1,254	2,457	1,985
99	759	0,119	0,272	2,283	1,810	99	2.010	0,316	0,744	2,355	1,882
100	484	0,070	0,153	2,198	1,725	100	1316	0,189	0,428	2,260	1,787

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Rente
nach der Sterbetafel 2002/2004**

Zinsfuß 9,50%

x	l _x	D _x	N _x	ä _x	⁽¹²⁾ ä _x	y	l _y	D _y	N _y	ä _y	⁽¹²⁾ ä _y
0	100.000	100.000,000	1.142.605,331	11,426	10,953	0	100.000	100.000,000	1.145.407,107	11,454	10,981
1	99.544	90.907,552	1.042.605,331	11,469	10,996	1	99.620	90.977,449	1.045.407,107	11,491	11,018
2	99.504	82.987,056	951.697,779	11,468	10,995	2	99.585	83.054,672	954.429,658	11,492	11,018
3	99.484	75.772,008	868.710,722	11,465	10,991	3	99.565	75.834,019	871.374,986	11,491	11,017
4	99.465	69.185,557	792.938,715	11,461	10,988	4	99.548	69.242,925	795.540,967	11,489	11,016
5	99.452	63.174,684	723.753,158	11,456	10,983	5	99.535	63.227,380	726.298,042	11,487	11,014
6	99.438	57.685,875	660.578,474	11,451	10,978	6	99.522	57.734,352	663.070,661	11,485	11,012
7	99.427	52.675,024	602.892,599	11,446	10,972	7	99.513	52.720,577	605.336,310	11,482	11,009
8	99.415	48.099,105	550.217,575	11,439	10,966	8	99.504	48.142,453	552.615,733	11,479	11,005
9	99.403	43.920,900	502.118,470	11,432	10,959	9	99.495	43.961,490	504.473,280	11,475	11,002
10	99.393	40.106,658	458.197,570	11,424	10,951	10	99.488	40.144,885	460.511,790	11,471	10,998
11	99.384	36.623,643	418.090,912	11,416	10,943	11	99.480	36.658,913	420.366,905	11,467	10,994
12	99.370	33.441,417	381.467,269	11,407	10,934	12	99.470	33.475,319	383.707,992	11,462	10,989
13	99.357	30.536,119	348.025,852	11,397	10,924	13	99.462	30.568,472	350.232,673	11,457	10,984
14	99.344	27.883,251	317.489,733	11,386	10,913	14	99.452	27.913,708	319.664,202	11,452	10,979
15	99.326	25.459,458	289.606,482	11,375	10,902	15	99.441	25.489,000	291.750,494	11,446	10,973
16	99.302	23.245,162	264.147,024	11,364	10,890	16	99.423	23.273,466	266.261,494	11,441	10,967
17	99.264	21.220,328	240.901,862	11,352	10,879	17	99.402	21.249,806	242.988,028	11,435	10,962
18	99.214	19.369,472	219.681,534	11,342	10,868	18	99.380	19.401,946	221.738,221	11,429	10,955
19	99.139	17.675,598	200.312,062	11,333	10,859	19	99.352	17.713,576	202.336,276	11,423	10,949
20	99.059	16.129,098	182.636,464	11,323	10,850	20	99.324	16.172,298	184.622,699	11,416	10,943
21	98.983	14.718,571	166.507,366	11,313	10,839	21	99.293	14.764,557	168.450,401	11,409	10,936
22	98.906	13.431,078	151.788,794	11,301	10,828	22	99.268	13.480,314	153.685,845	11,401	10,927
23	98.831	12.256,577	138.357,716	11,288	10,815	23	99.241	12.307,456	140.205,530	11,392	10,919
24	98.758	11.184,924	126.101,139	11,274	10,801	24	99.216	11.236,754	127.898,074	11,382	10,909
25	98.686	10.207,131	114.916,215	11,258	10,785	25	99.189	10.259,088	116.661,320	11,372	10,898
26	98.614	9.314,763	104.709,083	11,241	10,768	26	99.164	9.366,724	106.402,233	11,360	10,886
27	98.544	8.500,549	95.394,320	11,222	10,749	27	99.136	8.551,691	97.035,508	11,347	10,874
28	98.473	7.757,507	86.893,771	11,201	10,728	28	99.108	7.807,488	88.483,817	11,333	10,860
29	98.401	7.079,274	79.136,265	11,179	10,705	29	99.078	7.128,009	80.676,329	11,318	10,845
30	98.331	6.460,543	72.056,991	11,153	10,680	30	99.049	6.507,692	73.548,320	11,302	10,828
31	98.260	5.895,729	65.596,448	11,126	10,653	31	99.017	5.941,152	67.040,627	11,284	10,811
32	98.182	5.379,975	59.700,719	11,097	10,624	32	98.981	5.423,772	61.099,475	11,265	10,792
33	98.102	4.909,194	54.320,744	11,065	10,592	33	98.946	4.951,455	55.675,704	11,244	10,771
34	98.016	4.479,350	49.411,549	11,031	10,558	34	98.907	4.520,070	50.724,249	11,222	10,749
35	97.922	4.086,823	44.932,199	10,994	10,521	35	98.860	4.125,982	46.204,179	11,198	10,725
36	97.819	3.728,353	40.845,376	10,955	10,482	36	98.810	3.766,091	42.078,197	11,173	10,700
37	97.709	3.401,045	37.117,023	10,913	10,440	37	98.754	3.437,408	38.312,106	11,146	10,672
38	97.591	3.102,225	33.715,978	10,868	10,395	38	98.693	3.137,260	34.874,698	11,116	10,643
39	97.457	2.829,178	30.613,753	10,821	10,347	39	98.624	2.863,074	31.737,437	11,085	10,612
40	97.306	2.579,742	27.784,575	10,770	10,297	40	98.545	2.612,587	28.874,364	11,052	10,579
41	97.139	2.351,871	25.204,833	10,717	10,244	41	98.459	2.383,848	26.261,777	11,017	10,543
42	96.954	2.143,748	22.852,961	10,660	10,187	42	98.362	2.174,878	23.877,928	10,979	10,506
43	96.740	1.953,442	20.709,214	10,601	10,128	43	98.252	1.983,957	21.703,050	10,939	10,466
44	96.501	1.779,549	18.755,771	10,540	10,066	44	98.124	1.809,481	19.719,093	10,898	10,424
45	96.242	1.620,799	16.976,222	10,474	10,001	45	97.987	1.650,193	17.909,613	10,853	10,380
46	95.946	1.475,627	15.355,423	10,406	9,933	46	97.832	1.504,636	16.259,419	10,806	10,333
47	95.620	1.343,031	13.879,795	10,335	9,861	47	97.656	1.371,629	14.754,783	10,757	10,284
48	95.262	1.221,915	12.536,764	10,260	9,787	48	97.466	1.250,193	13.383,155	10,705	10,232
49	94.873	1.111,349	11.314,849	10,181	9,708	49	97.260	1.139,309	12.132,961	10,649	10,176

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Rente
nach der Sterbetafel 2002/2004**

Zinsfuß 9,50%

x	l _x	D _x	N _x	ä _x	⁽¹²⁾ ä _x	y	l _y	D _y	N _y	ä _y	⁽¹²⁾ ä _y
50	94.447	1.010,375	10.203,501	10,099	9,625	50	97.026	1.037,960	10.993,653	10,592	10,118
51	93.979	918,144	9.193,126	10,013	9,539	51	96.781	945,514	9.955,693	10,529	10,056
52	93.492	834,144	8.274,981	9,920	9,447	52	96.512	861,085	9.010,179	10,464	9,990
53	92.944	757,308	7.440,837	9,825	9,352	53	96.220	784,002	8.149,094	10,394	9,921
54	92.360	687,258	6.683,530	9,725	9,252	54	95.916	713,722	7.365,092	10,319	9,846
55	91.733	623,371	5.996,272	9,619	9,146	55	95.583	649,534	6.651,370	10,240	9,767
56	91.046	565,027	5.372,900	9,509	9,036	56	95.221	590,936	6.001,836	10,156	9,683
57	90.333	511,966	4.807,873	9,391	8,918	57	94.838	537,501	5.410,900	10,067	9,593
58	89.551	463,503	4.295,907	9,268	8,795	58	94.415	488,677	4.873,399	9,973	9,499
59	88.698	419,256	3.832,404	9,141	8,668	59	93.960	444,132	4.384,722	9,873	9,399
60	87.765	378,858	3.413,148	9,009	8,536	60	93.483	403,538	3.940,591	9,765	9,292
61	86.777	342,094	3.034,290	8,870	8,396	61	92.968	366,499	3.537,053	9,651	9,178
62	85.735	308,662	2.692,196	8,722	8,249	62	92.445	332,819	3.170,554	9,526	9,053
63	84.580	278,086	2.383,534	8,571	8,098	63	91.863	302,031	2.837,735	9,395	8,922
64	83.358	250,290	2.105,448	8,412	7,939	64	91.238	273,952	2.535,704	9,256	8,783
65	82.042	224,968	1.855,158	8,246	7,773	65	90.571	248,355	2.261,752	9,107	8,634
66	80.606	201,852	1.630,190	8,076	7,603	66	89.831	224,955	2.013,397	8,950	8,477
67	79.063	180,813	1.428,337	7,900	7,426	67	89.018	203,578	1.788,442	8,785	8,312
68	77.370	161,589	1.247,525	7,720	7,247	68	88.113	184,026	1.584,864	8,612	8,139
69	75.541	144,081	1.085,936	7,537	7,064	69	87.105	166,138	1.400,838	8,432	7,958
70	73.595	128,192	941,855	7,347	6,874	70	85.994	149,789	1.234,699	8,243	7,770
71	71.497	113,732	813,662	7,154	6,681	71	84.772	134,849	1.084,910	8,045	7,572
72	69.245	100,594	699,930	6,958	6,485	72	83.397	121,153	950,061	7,842	7,368
73	66.807	88,633	599,336	6,762	6,289	73	81.894	108,648	828,908	7,629	7,156
74	64.216	77,804	510,704	6,564	6,091	74	80.225	97,200	720,260	7,410	6,937
75	61.490	68,037	432,900	6,363	5,889	75	78.399	86,747	623,060	7,183	6,709
76	58.647	59,261	364,863	6,157	5,684	76	76.367	77,167	536,314	6,950	6,477
77	55.721	51,420	305,602	5,943	5,470	77	74.156	68,432	459,147	6,710	6,236
78	52.671	44,389	254,181	5,726	5,253	78	71.743	60,462	390,715	6,462	5,989
79	49.474	38,077	209,793	5,510	5,036	79	69.084	53,170	330,253	6,211	5,738
80	46.179	32,458	171,716	5,290	4,817	80	66.178	46,514	277,083	5,957	5,484
81	42.747	27,439	139,258	5,075	4,602	81	62.954	40,409	230,569	5,706	5,233
82	39.238	23,001	111,819	4,862	4,388	82	59.445	34,846	190,160	5,457	4,984
83	35.555	19,034	88,818	4,666	4,193	83	55.604	29,767	155,313	5,218	4,744
84	31.932	15,611	69,785	4,470	3,997	84	51.619	25,236	125,546	4,975	4,502
85	28.411	12,685	54,173	4,271	3,797	85	47.471	21,195	100,310	4,733	4,259
86	25.109	10,238	41,489	4,052	3,579	86	43.349	17,675	79,115	4,476	4,003
87	21.783	8,111	31,250	3,853	3,379	87	38.979	14,515	61,440	4,233	3,760
88	18.512	6,295	23,139	3,676	3,202	88	34.384	11,693	46,926	4,013	3,540
89	15.448	4,798	16,844	3,511	3,038	89	29.862	9,274	35,233	3,799	3,326
90	12.671	3,594	12,046	3,352	2,879	90	25.436	7,214	25,959	3,598	3,125
91	10.212	2,645	8,453	3,196	2,722	91	21.278	5,511	18,745	3,401	2,928
92	8.040	1,902	5,808	3,054	2,580	92	17.290	4,090	13,234	3,236	2,763
93	6.192	1,337	3,906	2,920	2,447	93	13.739	2,968	9,144	3,081	2,608
94	4.658	0,919	2,568	2,795	2,322	94	10.662	2,103	6,176	2,936	2,463
95	3.420	0,616	1,649	2,677	2,204	95	8.069	1,454	4,073	2,802	2,328
96	2.447	0,403	1,033	2,567	2,094	96	5.949	0,979	2,619	2,676	2,203
97	1.704	0,256	0,631	2,464	1,990	97	4.266	0,641	1,640	2,559	2,086
98	1.154	0,158	0,375	2,367	1,894	98	2.973	0,408	0,999	2,450	1,977
99	759	0,095	0,216	2,277	1,803	99	2.010	0,252	0,591	2,349	1,875
100	484	0,055	0,121	2,192	1,719	100	1316	0,151	0,340	2,254	1,781

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Rente
nach der Sterbetafel 2002/2004**

Zinsfuß 9,75%

x	l _x	D _x	N _x	ä _x	⁽¹²⁾ ä _x	y	l _y	D _y	N _y	ä _y	⁽¹²⁾ ä _y
0	100.000	100.000,000	1.116.230,489	11,162	10,689	0	100.000	100.000,000	1.118.820,386	11,188	10,715
1	99.544	90.700,474	1.016.230,489	11,204	10,731	1	99.620	90.770,211	1.018.820,386	11,224	10,750
2	99.504	82.609,414	925.530,015	11,204	10,730	2	99.585	82.676,722	928.050,175	11,225	10,751
3	99.484	75.255,382	842.920,602	11,201	10,727	3	99.565	75.316,971	845.373,453	11,224	10,751
4	99.465	68.557,315	767.665,220	11,197	10,724	4	99.548	68.614,162	770.056,482	11,223	10,749
5	99.452	62.458,425	699.107,904	11,193	10,719	5	99.535	62.510,524	701.442,320	11,221	10,748
6	99.438	56.901,934	636.649,479	11,189	10,715	6	99.522	56.949,752	638.931,796	11,219	10,746
7	99.427	51.840,822	579.747,545	11,183	10,710	7	99.513	51.885,653	581.982,044	11,217	10,743
8	99.415	47.229,540	527.906,724	11,177	10,704	8	99.504	47.272,104	530.096,391	11,214	10,740
9	99.403	43.028,633	480.677,184	11,171	10,697	9	99.495	43.068,398	482.824,287	11,211	10,737
10	99.393	39.202,375	437.648,551	11,164	10,690	10	99.488	39.239,740	439.755,889	11,207	10,733
11	99.384	35.716,347	398.446,176	11,156	10,682	11	99.480	35.750,743	400.516,149	11,203	10,729
12	99.370	32.538,667	362.729,829	11,148	10,674	12	99.470	32.571,654	364.765,406	11,199	10,725
13	99.357	29.644,116	330.191,162	11,139	10,665	13	99.462	29.675,524	332.193,752	11,194	10,721
14	99.344	27.007,082	300.547,046	11,128	10,655	14	99.452	27.036,582	302.518,228	11,189	10,716
15	99.326	24.603,280	273.539,964	11,118	10,644	15	99.441	24.631,828	275.481,646	11,184	10,710
16	99.302	22.412,279	248.936,684	11,107	10,633	16	99.423	22.439,569	250.849,818	11,179	10,705
17	99.264	20.413,389	226.524,405	11,097	10,623	17	99.402	20.441,747	228.410,248	11,174	10,700
18	99.214	18.590,472	206.111,015	11,087	10,613	18	99.380	18.621,639	207.968,501	11,168	10,694
19	99.139	16.926,078	187.520,544	11,079	10,605	19	99.352	16.962,446	189.346,862	11,163	10,689
20	99.059	15.409,973	170.594,465	11,070	10,597	20	99.324	15.451,247	172.384,416	11,157	10,683
21	98.983	14.030,303	155.184,492	11,061	10,587	21	99.293	14.074,138	156.933,169	11,150	10,677
22	98.906	12.773,852	141.154,189	11,050	10,577	22	99.268	12.820,678	142.859,031	11,143	10,669
23	98.831	11.630,269	128.380,337	11,038	10,565	23	99.241	11.678,549	130.038,353	11,135	10,661
24	98.758	10.589,202	116.750,068	11,025	10,552	24	99.216	10.638,270	118.359,804	11,126	10,652
25	98.686	9.641,475	106.160,866	11,011	10,537	25	99.189	9.690,552	107.721,534	11,116	10,642
26	98.614	8.778,517	96.519,391	10,995	10,521	26	99.164	8.827,487	98.030,982	11,105	10,632
27	98.544	7.992,928	87.740,875	10,977	10,504	27	99.136	8.041,017	89.203,495	11,094	10,620
28	98.473	7.277,642	79.747,946	10,958	10,484	28	99.108	7.324,531	81.162,479	11,081	10,607
29	98.401	6.626,235	72.470,304	10,937	10,463	29	99.078	6.671,852	73.837,947	11,067	10,593
30	98.331	6.033,325	65.844,070	10,913	10,440	30	99.049	6.077,357	67.166,095	11,052	10,578
31	98.260	5.493,319	59.810,744	10,888	10,414	31	99.017	5.535,642	61.088,739	11,036	10,562
32	98.182	5.001,349	54.317,426	10,861	10,387	32	98.981	5.042,063	55.553,097	11,018	10,544
33	98.102	4.553,305	49.316,076	10,831	10,357	33	98.946	4.592,501	50.511,034	10,999	10,525
34	98.016	4.145,158	44.762,772	10,799	10,325	34	98.907	4.182,839	45.918,533	10,978	10,504
35	97.922	3.773,302	40.617,614	10,764	10,291	35	98.860	3.809,456	41.735,693	10,956	10,482
36	97.819	3.434,490	36.844,312	10,728	10,254	36	98.810	3.469,254	37.926,237	10,932	10,458
37	97.709	3.125,843	33.409,822	10,688	10,215	37	98.754	3.159,264	34.456,983	10,907	10,433
38	97.591	2.844,708	30.283,979	10,646	10,172	38	98.693	2.876,835	31.297,719	10,879	10,406
39	97.457	2.588,417	27.439,271	10,601	10,127	39	98.624	2.619,429	28.420,884	10,850	10,376
40	97.306	2.354,832	24.850,853	10,553	10,079	40	98.545	2.384,813	25.801,455	10,819	10,345
41	97.139	2.141,937	22.496,022	10,503	10,029	41	98.459	2.171,060	23.416,642	10,786	10,312
42	96.954	1.947,944	20.354,084	10,449	9,975	42	98.362	1.976,231	21.245,582	10,751	10,277
43	96.740	1.770,977	18.406,140	10,393	9,920	43	98.252	1.798,641	19.269,351	10,713	10,240
44	96.501	1.609,652	16.635,163	10,335	9,861	44	98.124	1.636,726	17.470,709	10,674	10,200
45	96.242	1.462,719	15.025,511	10,272	9,799	45	97.987	1.489,246	15.833,984	10,632	10,159
46	95.946	1.328,672	13.562,792	10,208	9,734	46	97.832	1.354,792	14.344,738	10,588	10,114
47	95.620	1.206,526	12.234,120	10,140	9,666	47	97.656	1.232,217	12.989,946	10,542	10,068
48	95.262	1.095,220	11.027,594	10,069	9,595	48	97.466	1.120,566	11.757,728	10,493	10,019
49	94.873	993,849	9.932,374	9,994	9,520	49	97.260	1.018,852	10.637,162	10,440	9,967

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Rente
nach der Sterbetafel 2002/2004**

Zinsfuß 9,75%

x	l _x	D _x	N _x	ä _x	⁽¹²⁾ ä _x	y	l _y	D _y	N _y	ä _y	⁽¹²⁾ ä _y
50	94.447	901,492	8.938,525	9,915	9,442	50	97.026	926,105	9.618,310	10,386	9,912
51	93.979	817,335	8.037,033	9,833	9,360	51	96.781	841,699	8.692,205	10,327	9,853
52	93.492	740,866	7.219,698	9,745	9,271	52	96.512	764,794	7.850,506	10,265	9,791
53	92.944	671,090	6.478,832	9,654	9,181	53	96.220	694,745	7.085,711	10,199	9,725
54	92.360	607,628	5.807,742	9,558	9,084	54	95.916	631,026	6.390,967	10,128	9,654
55	91.733	549,888	5.200,114	9,457	8,983	55	95.583	572,967	5.759,941	10,053	9,579
56	91.046	497,286	4.650,226	9,351	8,878	56	95.221	520,088	5.186,974	9,973	9,500
57	90.333	449,560	4.152,940	9,238	8,764	57	94.838	471,982	4.666,885	9,888	9,414
58	89.551	406,077	3.703,380	9,120	8,646	58	94.415	428,133	4.194,903	9,798	9,324
59	88.698	366,476	3.297,302	8,997	8,524	59	93.960	388,220	3.766,771	9,703	9,229
60	87.765	330,409	2.930,826	8,870	8,397	60	93.483	351,933	3.378,551	9,600	9,126
61	86.777	297,667	2.600,417	8,736	8,262	61	92.968	318,902	3.026,618	9,491	9,017
62	85.735	267,965	2.302,750	8,593	8,120	62	92.445	288,937	2.707,716	9,371	8,898
63	84.580	240,871	2.034,786	8,448	7,974	63	91.863	261,611	2.418,779	9,246	8,772
64	83.358	216,300	1.793,915	8,294	7,820	64	91.238	236,749	2.157,168	9,112	8,638
65	82.042	193,974	1.577,615	8,133	7,659	65	90.571	214,139	1.920,419	8,968	8,494
66	80.606	173,647	1.383,640	7,968	7,494	66	89.831	193,522	1.706,281	8,817	8,343
67	79.063	155,193	1.209,994	7,797	7,323	67	89.018	174,733	1.512,759	8,658	8,184
68	77.370	138,377	1.054,801	7,623	7,149	68	88.113	157,591	1.338,026	8,490	8,017
69	75.541	123,103	916,424	7,444	6,971	69	87.105	141,949	1.180,435	8,316	7,842
70	73.595	109,278	793,321	7,260	6,786	70	85.994	127,688	1.038,486	8,133	7,659
71	71.497	96,731	684,043	7,072	6,598	71	84.772	114,691	910,798	7,941	7,468
72	69.245	85,362	587,312	6,880	6,407	72	83.397	102,808	796,107	7,744	7,270
73	66.807	75,040	501,951	6,689	6,215	73	81.894	91,986	693,300	7,537	7,063
74	64.216	65,722	426,911	6,496	6,022	74	80.225	82,106	601,314	7,324	6,850
75	61.490	57,341	361,189	6,299	5,825	75	78.399	73,109	519,208	7,102	6,628
76	58.647	49,831	303,848	6,098	5,624	76	76.367	64,887	446,098	6,875	6,401
77	55.721	43,139	254,017	5,888	5,415	77	74.156	57,411	381,211	6,640	6,166
78	52.671	37,155	210,878	5,676	5,202	78	71.743	50,609	323,800	6,398	5,924
79	49.474	31,799	173,722	5,463	4,989	79	69.084	44,404	273,191	6,152	5,679
80	46.179	27,045	141,923	5,248	4,774	80	66.178	38,757	228,787	5,903	5,429
81	42.747	22,811	114,878	5,036	4,562	81	62.954	33,594	190,029	5,657	5,183
82	39.238	19,078	92,067	4,826	4,352	82	59.445	28,903	156,436	5,412	4,939
83	35.555	15,751	72,989	4,634	4,160	83	55.604	24,634	127,532	5,177	4,704
84	31.932	12,890	57,238	4,441	3,967	84	51.619	20,837	102,899	4,938	4,465
85	28.411	10,450	44,348	4,244	3,770	85	47.471	17,460	82,062	4,700	4,226
86	25.109	8,415	33,898	4,028	3,555	86	43.349	14,528	64,602	4,447	3,973
87	21.783	6,652	25,484	3,831	3,357	87	38.979	11,902	50,075	4,207	3,733
88	18.512	5,151	18,832	3,656	3,183	88	34.384	9,567	38,172	3,990	3,516
89	15.448	3,916	13,681	3,493	3,020	89	29.862	7,570	28,605	3,779	3,305
90	12.671	2,927	9,765	3,336	2,863	90	25.436	5,875	21,035	3,580	3,107
91	10.212	2,149	6,838	3,182	2,708	91	21.278	4,478	15,160	3,385	2,911
92	8.040	1,542	4,689	3,041	2,567	92	17.290	3,316	10,681	3,221	2,748
93	6.192	1,082	3,147	2,909	2,435	93	13.739	2,401	7,366	3,068	2,594
94	4.658	0,742	2,065	2,785	2,311	94	10.662	1,697	4,965	2,925	2,451
95	3.420	0,496	1,324	2,668	2,194	95	8.069	1,171	3,268	2,791	2,318
96	2.447	0,323	0,827	2,559	2,085	96	5.949	0,786	2,097	2,667	2,193
97	1.704	0,205	0,504	2,456	1,983	97	4.266	0,514	1,311	2,551	2,077
98	1.154	0,127	0,299	2,360	1,887	98	2.973	0,326	0,797	2,443	1,969
99	759	0,076	0,172	2,271	1,797	99	2.010	0,201	0,471	2,342	1,868
100	484	0,044	0,096	2,186	1,713	100	1316	0,120	0,270	2,248	1,775

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Rente
nach der Sterbetafel 2002/2004**

Zinsfuß 10,00%

x	l _x	D _x	N _x	ä _x	(12) ä _x	y	l _y	D _y	N _y	ä _y	(12) ä _y
0	100.000	100.000,000	1.091.135,914	10,911	10,437	0	100.000	100.000,000	1.093.537,077	10,935	10,461
1	99.544	90.494,336	991.135,914	10,952	10,478	1	99.620	90.563,915	993.537,077	10,971	10,497
2	99.504	82.234,343	900.641,578	10,952	10,478	2	99.585	82.301,346	902.973,162	10,972	10,497
3	99.484	74.743,442	818.407,235	10,950	10,475	3	99.565	74.804,612	820.671,817	10,971	10,497
4	99.465	67.936,189	743.663,793	10,947	10,472	4	99.548	67.992,520	745.867,205	10,970	10,496
5	99.452	61.751,889	675.727,604	10,943	10,469	5	99.535	61.803,399	677.874,684	10,968	10,494
6	99.438	56.130,394	613.975,715	10,938	10,464	6	99.522	56.177,563	616.071,285	10,967	10,492
7	99.427	51.021,683	557.845,322	10,933	10,459	7	99.513	51.065,806	559.893,722	10,964	10,490
8	99.415	46.377,621	506.823,639	10,928	10,454	8	99.504	46.419,417	508.827,916	10,962	10,487
9	99.403	42.156,461	460.446,017	10,922	10,448	9	99.495	42.195,419	462.408,498	10,959	10,485
10	99.393	38.320,469	418.289,557	10,916	10,442	10	99.488	38.356,994	420.213,079	10,955	10,481
11	99.384	34.833,516	379.969,088	10,908	10,434	11	99.480	34.867,062	381.856,086	10,952	10,478
12	99.370	31.662,258	345.135,572	10,901	10,426	12	99.470	31.694,356	346.989,024	10,948	10,474
13	99.357	28.780,112	313.473,314	10,892	10,418	13	99.462	28.810,604	315.294,667	10,944	10,470
14	99.344	26.160,346	284.693,202	10,883	10,409	14	99.452	26.188,921	286.484,063	10,939	10,465
15	99.326	23.777,745	258.532,856	10,873	10,399	15	99.441	23.805,335	260.295,142	10,934	10,460
16	99.302	21.611,033	234.755,112	10,863	10,389	16	99.423	21.637,347	236.489,807	10,930	10,456
17	99.264	19.638,869	213.144,079	10,853	10,379	17	99.402	19.666,150	214.852,460	10,925	10,451
18	99.214	17.844,468	193.505,210	10,844	10,370	18	99.380	17.874,385	195.186,309	10,920	10,446
19	99.139	16.209,939	175.660,743	10,837	10,363	19	99.352	16.244,767	177.311,925	10,915	10,441
20	99.059	14.724,439	159.450,804	10,829	10,355	20	99.324	14.763,877	161.067,157	10,910	10,435
21	98.983	13.375,677	144.726,365	10,820	10,346	21	99.293	13.417,467	146.303,280	10,904	10,430
22	98.906	12.150,172	131.350,688	10,811	10,337	22	99.268	12.194,713	132.885,814	10,897	10,423
23	98.831	11.037,283	119.200,515	10,800	10,326	23	99.241	11.083,101	120.691,101	10,890	10,416
24	98.758	10.026,456	108.163,232	10,788	10,314	24	99.216	10.072,918	109.608,000	10,881	10,407
25	98.686	9.108,347	98.136,776	10,774	10,300	25	99.189	9.154,710	99.535,083	10,873	10,398
26	98.614	8.274,259	89.028,429	10,760	10,286	26	99.164	8.320,416	90.380,373	10,862	10,388
27	98.544	7.516,674	80.754,171	10,743	10,269	27	99.136	7.561,897	82.059,957	10,852	10,378
28	98.473	6.828,453	73.237,497	10,725	10,251	28	99.108	6.872,448	74.498,060	10,840	10,366
29	98.401	6.203,122	66.409,044	10,706	10,232	29	99.078	6.245,826	67.625,612	10,827	10,353
30	98.331	5.635,235	60.205,923	10,684	10,210	30	99.049	5.676,361	61.379,787	10,813	10,339
31	98.260	5.119,198	54.570,687	10,660	10,186	31	99.017	5.158,639	55.703,425	10,798	10,324
32	98.182	4.650,142	49.451,489	10,634	10,160	32	98.981	4.687,996	50.544,787	10,782	10,308
33	98.102	4.223,938	44.801,347	10,607	10,132	33	98.946	4.260,300	45.856,790	10,764	10,290
34	98.016	3.836,575	40.577,409	10,576	10,102	34	98.907	3.871,452	41.596,490	10,744	10,270
35	97.922	3.484,465	36.740,834	10,544	10,070	35	98.860	3.517,852	37.725,038	10,724	10,250
36	97.819	3.164,380	33.256,369	10,510	10,036	36	98.810	3.196,410	34.207,187	10,702	10,228
37	97.709	2.873,462	30.091,989	10,472	9,998	37	98.754	2.904,184	31.010,777	10,678	10,204
38	97.591	2.609,082	27.218,527	10,432	9,958	38	98.693	2.638,548	28.106,593	10,652	10,178
39	97.457	2.368,624	24.609,445	10,390	9,916	39	98.624	2.397,002	25.468,044	10,625	10,151
40	97.306	2.149,976	22.240,820	10,345	9,871	40	98.545	2.177,349	23.071,042	10,596	10,122
41	97.139	1.951,158	20.090,844	10,297	9,823	41	98.459	1.977,686	20.893,693	10,565	10,091
42	96.954	1.770,410	18.139,687	10,246	9,772	42	98.362	1.796,119	18.916,006	10,532	10,058
43	96.740	1.605,914	16.369,276	10,193	9,719	43	98.252	1.630,999	17.119,887	10,497	10,023
44	96.501	1.456,308	14.763,362	10,138	9,663	44	98.124	1.480,802	15.488,887	10,460	9,986
45	96.242	1.320,364	13.307,055	10,078	9,604	45	97.987	1.344,310	14.008,085	10,420	9,946
46	95.946	1.196,638	11.986,690	10,017	9,543	46	97.832	1.220,162	12.663,775	10,379	9,905
47	95.620	1.084,160	10.790,053	9,952	9,478	47	97.656	1.107,246	11.443,614	10,335	9,861
48	95.262	981,906	9.705,893	9,885	9,411	48	97.466	1.004,630	10.336,368	10,289	9,815
49	94.873	888,998	8.723,987	9,813	9,339	49	97.260	911,363	9.331,738	10,239	9,765

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Rente
nach der Sterbetafel 2002/2004**

Zinsfuß 10,00%

x	l _x	D _x	N _x	ä _x	⁽¹²⁾ ä _x	y	l _y	D _y	N _y	ä _y	⁽¹²⁾ ä _y
50	94.447	804,552	7.834,989	9,738	9,264	50	97.026	826,518	8.420,375	10,188	9,714
51	93.979	727,787	7.030,437	9,660	9,186	51	96.781	749,482	7.593,857	10,132	9,658
52	93.492	658,197	6.302,650	9,576	9,102	52	96.512	679,455	6.844,375	10,073	9,599
53	92.944	594,851	5.644,454	9,489	9,015	53	96.220	615,819	6.164,920	10,011	9,537
54	92.360	537,375	5.049,603	9,397	8,923	54	95.916	558,068	5.549,101	9,943	9,469
55	91.733	485,205	4.512,228	9,300	8,826	55	95.583	505,570	4.991,034	9,872	9,398
56	91.046	437,794	4.027,022	9,198	8,724	56	95.221	457,868	4.485,464	9,796	9,322
57	90.333	394,878	3.589,228	9,089	8,615	57	94.838	414,573	4.027,596	9,715	9,241
58	89.551	355,874	3.194,351	8,976	8,502	58	94.415	375,202	3.613,023	9,630	9,155
59	88.698	320,438	2.838,477	8,858	8,384	59	93.960	339,450	3.237,821	9,538	9,064
60	87.765	288,246	2.518,039	8,736	8,262	60	93.483	307,022	2.898,371	9,440	8,966
61	86.777	259,091	2.229,793	8,606	8,132	61	92.968	277,575	2.591,349	9,336	8,862
62	85.735	232,708	1.970,702	8,469	7,994	62	92.445	250,921	2.313,774	9,221	8,747
63	84.580	208,704	1.737,994	8,328	7,854	63	91.863	226,674	2.062,853	9,101	8,626
64	83.358	186,989	1.529,290	8,179	7,704	64	91.238	204,666	1.836,178	8,972	8,498
65	82.042	167,307	1.342,301	8,023	7,549	65	90.571	184,699	1.631,512	8,833	8,359
66	80.606	149,434	1.174,994	7,863	7,389	66	89.831	166,537	1.446,813	8,688	8,214
67	79.063	133,249	1.025,561	7,697	7,223	67	89.018	150,026	1.280,276	8,534	8,060
68	77.370	118,541	892,312	7,527	7,053	68	88.113	135,001	1.130,249	8,372	7,898
69	75.541	105,217	773,771	7,354	6,880	69	87.105	121,325	995,248	8,203	7,729
70	73.595	93,189	668,554	7,174	6,700	70	85.994	108,888	873,924	8,026	7,552
71	71.497	82,301	575,365	6,991	6,517	71	84.772	97,582	765,036	7,840	7,366
72	69.245	72,463	493,064	6,804	6,330	72	83.397	87,273	667,454	7,648	7,174
73	66.807	63,556	420,601	6,618	6,144	73	81.894	77,908	580,181	7,447	6,973
74	64.216	55,537	357,045	6,429	5,955	74	80.225	69,383	502,273	7,239	6,765
75	61.490	48,345	301,507	6,237	5,763	75	78.399	61,640	432,890	7,023	6,549
76	58.647	41,918	253,162	6,039	5,565	76	76.367	54,583	371,250	6,802	6,327
77	55.721	36,206	211,244	5,834	5,360	77	74.156	48,185	316,667	6,572	6,098
78	52.671	31,113	175,038	5,626	5,152	78	71.743	42,379	268,482	6,335	5,861
79	49.474	26,568	143,925	5,417	4,943	79	69.084	37,099	226,103	6,095	5,621
80	46.179	22,544	117,357	5,206	4,732	80	66.178	32,307	189,004	5,850	5,376
81	42.747	18,972	94,813	4,998	4,524	81	62.954	27,940	156,697	5,608	5,134
82	39.238	15,831	75,841	4,791	4,317	82	59.445	23,984	128,757	5,369	4,894
83	35.555	13,041	60,011	4,602	4,128	83	55.604	20,394	104,774	5,137	4,663
84	31.932	10,647	46,970	4,411	3,937	84	51.619	17,212	84,379	4,902	4,428
85	28.411	8,612	36,323	4,218	3,744	85	47.471	14,390	67,167	4,668	4,194
86	25.109	6,919	27,711	4,005	3,531	86	43.349	11,946	52,778	4,418	3,944
87	21.783	5,457	20,791	3,810	3,336	87	38.979	9,765	40,832	4,182	3,707
88	18.512	4,216	15,334	3,637	3,163	88	34.384	7,831	31,067	3,967	3,493
89	15.448	3,198	11,118	3,476	3,002	89	29.862	6,183	23,236	3,758	3,284
90	12.671	2,385	7,920	3,321	2,847	90	25.436	4,787	17,054	3,562	3,088
91	10.212	1,747	5,535	3,168	2,694	91	21.278	3,641	12,267	3,369	2,895
92	8.040	1,251	3,788	3,029	2,554	92	17.290	2,690	8,626	3,207	2,733
93	6.192	0,876	2,537	2,898	2,424	93	13.739	1,943	5,936	3,055	2,581
94	4.658	0,599	1,661	2,774	2,300	94	10.662	1,371	3,993	2,914	2,440
95	3.420	0,400	1,063	2,659	2,185	95	8.069	0,943	2,623	2,781	2,307
96	2.447	0,260	0,663	2,550	2,076	96	5.949	0,632	1,680	2,658	2,184
97	1.704	0,165	0,403	2,449	1,975	97	4.266	0,412	1,048	2,543	2,068
98	1.154	0,101	0,238	2,354	1,880	98	2.973	0,261	0,636	2,435	1,961
99	759	0,061	0,137	2,264	1,790	99	2.010	0,160	0,375	2,335	1,861
100	484	0,035	0,077	2,181	1,707	100	1316	0,096	0,214	2,242	1,768

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Rente
nach der Sterbetafel 2002/2004**

Zinsfuß 10,25%

x	l _x	D _x	N _x	ä _x	⁽¹²⁾ ä _x	y	l _y	D _y	N _y	ä _y	⁽¹²⁾ ä _y
0	100.000	100.000,000	1.067.232,824	10,672	10,198	0	100.000	100.000,000	1.069.465,426	10,695	10,220
1	99.544	90.289,134	967.232,824	10,713	10,238	1	99.620	90.358,555	969.465,426	10,729	10,255
2	99.504	81.861,821	876.943,690	10,712	10,238	2	99.585	81.928,520	879.106,872	10,730	10,256
3	99.484	74.236,136	795.081,869	10,710	10,236	3	99.565	74.296,890	797.178,352	10,730	10,255
4	99.465	67.322,080	720.845,734	10,707	10,233	4	99.548	67.377,903	722.881,461	10,729	10,254
5	99.452	61.054,922	653.523,654	10,704	10,229	5	99.535	61.105,851	655.503,558	10,727	10,253
6	99.438	55.371,031	592.468,731	10,700	10,226	6	99.522	55.417,563	594.397,708	10,726	10,251
7	99.427	50.217,304	537.097,700	10,695	10,221	7	99.513	50.260,731	538.980,145	10,724	10,249
8	99.415	45.542,951	486.880,397	10,691	10,216	8	99.504	45.583,995	488.719,414	10,721	10,247
9	99.403	41.303,887	441.337,446	10,685	10,211	9	99.495	41.342,058	443.135,419	10,719	10,244
10	99.393	37.460,337	400.033,559	10,679	10,204	10	99.488	37.496,042	401.793,362	10,716	10,241
11	99.384	33.974,437	362.573,222	10,672	10,198	11	99.480	34.007,156	364.297,319	10,712	10,238
12	99.370	30.811,364	328.598,785	10,665	10,190	12	99.470	30.842,600	330.290,164	10,709	10,234
13	99.357	27.943,166	297.787,420	10,657	10,182	13	99.462	27.972,771	299.447,564	10,705	10,231
14	99.344	25.341,989	269.844,255	10,648	10,174	14	99.452	25.369,670	271.474,792	10,701	10,226
15	99.326	22.981,690	244.502,266	10,639	10,165	15	99.441	23.008,357	246.105,122	10,696	10,222
16	99.302	20.840,154	221.520,575	10,630	10,155	16	99.423	20.865,530	223.096,765	10,692	10,218
17	99.264	18.895,394	200.680,422	10,621	10,146	17	99.402	18.921,642	202.231,235	10,688	10,213
18	99.214	17.129,992	181.785,028	10,612	10,138	18	99.380	17.158,711	183.309,593	10,683	10,209
19	99.139	15.525,623	164.655,036	10,605	10,131	19	99.352	15.558,981	166.150,882	10,679	10,204
20	99.059	14.070,856	149.129,413	10,598	10,124	20	99.324	14.108,542	150.591,901	10,674	10,199
21	98.983	12.752,978	135.058,558	10,590	10,116	21	99.293	12.792,822	136.483,358	10,669	10,194
22	98.906	11.558,257	122.305,580	10,582	10,107	22	99.268	11.600,628	123.690,536	10,662	10,188
23	98.831	10.475,775	110.747,323	10,572	10,097	23	99.241	10.519,262	112.089,909	10,656	10,181
24	98.758	9.494,794	100.271,548	10,561	10,086	24	99.216	9.538,792	101.570,646	10,648	10,174
25	98.686	8.605,810	90.776,753	10,548	10,074	25	99.189	8.649,615	92.031,854	10,640	10,166
26	98.614	7.800,013	82.170,944	10,535	10,060	26	99.164	7.843,525	83.382,240	10,631	10,156
27	98.544	7.069,782	74.370,930	10,520	10,045	27	99.136	7.112,317	75.538,715	10,621	10,146
28	98.473	6.407,915	67.301,148	10,503	10,028	28	99.108	6.449,201	68.426,398	10,610	10,136
29	98.401	5.807,896	60.893,233	10,485	10,010	29	99.078	5.847,879	61.977,197	10,598	10,124
30	98.331	5.264,227	55.085,337	10,464	9,990	30	99.049	5.302,646	56.129,318	10,585	10,111
31	98.260	4.771,321	49.821,110	10,442	9,967	31	99.017	4.808,082	50.826,672	10,571	10,097
32	98.182	4.324,311	45.049,788	10,418	9,943	32	98.981	4.359,514	46.018,591	10,556	10,081
33	98.102	3.919,065	40.725,477	10,392	9,917	33	98.946	3.952,802	41.659,077	10,539	10,065
34	98.016	3.551,589	36.806,412	10,363	9,889	34	98.907	3.583,875	37.706,275	10,521	10,047
35	97.922	3.218,319	33.254,823	10,333	9,859	35	98.860	3.249,156	34.122,400	10,502	10,027
36	97.819	2.916,056	30.036,504	10,300	9,826	36	98.810	2.945,572	30.873,244	10,481	10,007
37	97.709	2.641,963	27.120,448	10,265	9,791	37	98.754	2.670,210	27.927,672	10,459	9,985
38	97.591	2.393,443	24.478,486	10,227	9,753	38	98.693	2.420,474	25.257,463	10,435	9,960
39	97.457	2.167,932	22.085,043	10,187	9,713	39	98.624	2.193,905	22.836,989	10,409	9,935
40	97.306	1.963,347	19.917,111	10,144	9,670	40	98.545	1.988,344	20.643,084	10,382	9,908
41	97.139	1.777,747	17.953,764	10,099	9,625	41	98.459	1.801,918	18.654,740	10,353	9,878
42	96.954	1.609,406	16.176,017	10,051	9,576	42	98.362	1.632,777	16.852,822	10,322	9,847
43	96.740	1.456,559	14.566,611	10,001	9,526	43	98.252	1.479,311	15.220,045	10,289	9,814
44	96.501	1.317,871	13.110,053	9,948	9,473	44	98.124	1.340,037	13.740,733	10,254	9,780
45	96.242	1.192,141	11.792,181	9,892	9,417	45	97.987	1.213,761	12.400,696	10,217	9,742
46	95.946	1.077,980	10.600,040	9,833	9,359	46	97.832	1.099,171	11.186,935	10,178	9,703
47	95.620	974,441	9.522,060	9,772	9,297	47	97.656	995,190	10.087,764	10,137	9,662
48	95.262	880,534	8.547,619	9,707	9,233	48	97.466	900,911	9.092,573	10,093	9,618
49	94.873	795,410	7.667,086	9,639	9,165	49	97.260	815,421	8.191,662	10,046	9,572

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Rente
nach der Sterbetafel 2002/2004**

Zinsfuß 10,25%

x	l _x	D _x	N _x	ä _x	⁽¹²⁾ ä _x	y	l _y	D _y	N _y	ä _y	⁽¹²⁾ ä _y
50	94.447	718,222	6.871,676	9,568	9,093	50	97.026	737,831	7.376,241	9,997	9,523
51	93.979	648,220	6.153,454	9,493	9,018	51	96.781	667,543	6.638,410	9,945	9,470
52	93.492	584,909	5.505,234	9,412	8,938	52	96.512	603,800	5.970,867	9,889	9,414
53	92.944	527,418	4.920,325	9,329	8,855	53	96.220	546,009	5.367,067	9,830	9,355
54	92.360	475,377	4.392,907	9,241	8,766	54	95.916	493,682	4.821,058	9,766	9,291
55	91.733	428,253	3.917,530	9,148	8,673	55	95.583	446,227	4.327,376	9,698	9,223
56	91.046	385,530	3.489,277	9,051	8,576	56	95.221	403,208	3.881,149	9,626	9,151
57	90.333	346,949	3.103,747	8,946	8,471	57	94.838	364,253	3.477,941	9,548	9,074
58	89.551	311,970	2.756,798	8,837	8,362	58	94.415	328,914	3.113,687	9,467	8,992
59	88.698	280,269	2.444,828	8,723	8,249	59	93.960	296,898	2.784,773	9,380	8,905
60	87.765	251,540	2.164,559	8,605	8,131	60	93.483	267,926	2.487,875	9,286	8,811
61	86.777	225,586	1.913,018	8,480	8,006	61	92.968	241,679	2.219,949	9,186	8,711
62	85.735	202,155	1.687,432	8,347	7,873	62	92.445	217,977	1.978,270	9,076	8,601
63	84.580	180,891	1.485,277	8,211	7,736	63	91.863	196,467	1.760,293	8,960	8,485
64	83.358	161,703	1.304,386	8,067	7,592	64	91.238	176,989	1.563,826	8,836	8,361
65	82.042	144,354	1.142,683	7,916	7,441	65	90.571	159,361	1.386,836	8,703	8,228
66	80.606	128,641	998,329	7,761	7,286	66	89.831	143,364	1.227,476	8,562	8,088
67	79.063	114,448	869,688	7,599	7,125	67	89.018	128,858	1.084,111	8,413	7,939
68	77.370	101,584	755,240	7,435	6,960	68	88.113	115,690	955,254	8,257	7,783
69	75.541	89,962	653,656	7,266	6,792	69	87.105	103,734	839,564	8,093	7,619
70	73.595	79,497	563,694	7,091	6,616	70	85.994	92,889	735,830	7,922	7,447
71	71.497	70,049	484,197	6,912	6,438	71	84.772	83,056	642,940	7,741	7,267
72	69.245	61,536	414,148	6,730	6,256	72	83.397	74,113	559,885	7,554	7,080
73	66.807	53,850	352,612	6,548	6,074	73	81.894	66,010	485,772	7,359	6,885
74	64.216	46,949	298,762	6,364	5,889	74	80.225	58,654	419,761	7,157	6,682
75	61.490	40,776	251,812	6,175	5,701	75	78.399	51,990	361,108	6,946	6,471
76	58.647	35,275	211,036	5,983	5,508	76	76.367	45,934	309,118	6,730	6,255
77	55.721	30,400	175,761	5,782	5,307	77	74.156	40,457	263,184	6,505	6,031
78	52.671	26,064	145,361	5,577	5,103	78	71.743	35,502	222,727	6,274	5,799
79	49.474	22,206	119,297	5,372	4,898	79	69.084	31,008	187,226	6,038	5,564
80	46.179	18,800	97,091	5,164	4,690	80	66.178	26,942	156,218	5,798	5,324
81	42.747	15,785	78,291	4,960	4,485	81	62.954	23,247	129,276	5,561	5,087
82	39.238	13,142	62,506	4,756	4,282	82	59.445	19,910	106,029	5,325	4,851
83	35.555	10,801	49,364	4,570	4,096	83	55.604	16,892	86,119	5,098	4,624
84	31.932	8,799	38,563	4,383	3,908	84	51.619	14,224	69,227	4,867	4,393
85	28.411	7,101	29,764	4,192	3,717	85	47.471	11,864	55,004	4,636	4,162
86	25.109	5,692	22,663	3,982	3,507	86	43.349	9,827	43,139	4,390	3,915
87	21.783	4,479	16,971	3,789	3,315	87	38.979	8,015	33,312	4,156	3,682
88	18.512	3,453	12,492	3,618	3,144	88	34.384	6,413	25,297	3,945	3,470
89	15.448	2,613	9,040	3,459	2,985	89	29.862	5,052	18,885	3,738	3,264
90	12.671	1,944	6,427	3,306	2,831	90	25.436	3,903	13,833	3,544	3,070
91	10.212	1,421	4,482	3,154	2,679	91	21.278	2,961	9,930	3,353	2,879
92	8.040	1,015	3,061	3,016	2,542	92	17.290	2,183	6,969	3,193	2,719
93	6.192	0,709	2,046	2,886	2,412	93	13.739	1,573	4,787	3,043	2,568
94	4.658	0,484	1,337	2,764	2,290	94	10.662	1,107	3,214	2,902	2,428
95	3.420	0,322	0,854	2,650	2,175	95	8.069	0,760	2,106	2,771	2,297
96	2.447	0,209	0,531	2,542	2,068	96	5.949	0,508	1,346	2,649	2,174
97	1.704	0,132	0,322	2,441	1,967	97	4.266	0,331	0,838	2,534	2,060
98	1.154	0,081	0,190	2,347	1,872	98	2.973	0,209	0,507	2,428	1,954
99	759	0,048	0,109	2,258	1,784	99	2.010	0,128	0,298	2,329	1,855
100	484	0,028	0,061	2,176	1,701	100	1316	0,076	0,170	2,237	1,762

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Rente
nach der Sterbetafel 2002/2004**

Zinsfuß 10,50%

x	l _x	D _x	N _x	ä _x	⁽¹²⁾ ä _x	y	l _y	D _y	N _y	ä _y	⁽¹²⁾ ä _y
0	100.000	100.000,000	1.044.440,203	10,444	9,970	0	100.000	100.000,000	1.046.521,867	10,465	9,990
1	99.544	90.084,859	944.440,203	10,484	10,009	1	99.620	90.154,123	946.521,867	10,499	10,024
2	99.504	81.491,825	854.355,344	10,484	10,009	2	99.585	81.558,222	856.367,744	10,500	10,025
3	99.484	73.733,410	772.863,519	10,482	10,007	3	99.565	73.793,753	774.809,522	10,500	10,025
4	99.465	66.714,895	699.130,110	10,479	10,005	4	99.548	66.770,214	701.015,769	10,499	10,024
5	99.452	60.367,374	632.415,215	10,476	10,001	5	99.535	60.417,729	634.245,555	10,498	10,023
6	99.438	54.623,627	572.047,841	10,473	9,998	6	99.522	54.669,530	573.827,826	10,496	10,022
7	99.427	49.427,385	517.424,214	10,468	9,994	7	99.513	49.470,129	519.158,296	10,494	10,020
8	99.415	44.725,142	467.996,829	10,464	9,989	8	99.504	44.765,449	469.688,167	10,492	10,017
9	99.403	40.470,429	423.271,688	10,459	9,984	9	99.495	40.507,829	424.922,718	10,490	10,015
10	99.393	36.621,395	382.801,259	10,453	9,978	10	99.488	36.656,300	384.414,889	10,487	10,012
11	99.384	33.138,420	346.179,864	10,446	9,972	11	99.480	33.170,333	347.758,588	10,484	10,009
12	99.370	29.985,187	313.041,444	10,440	9,965	12	99.470	30.015,586	314.588,256	10,481	10,006
13	99.357	27.132,373	283.056,257	10,432	9,958	13	99.462	27.161,119	284.572,670	10,477	10,002
14	99.344	24.551,000	255.923,884	10,424	9,949	14	99.452	24.577,817	257.411,551	10,473	9,999
15	99.326	22.214,000	231.372,885	10,416	9,941	15	99.441	22.239,776	232.833,734	10,469	9,994
16	99.302	20.098,425	209.158,885	10,407	9,932	16	99.423	20.122,898	210.593,958	10,465	9,991
17	99.264	18.181,654	189.060,459	10,398	9,924	17	99.402	18.206,911	190.471,060	10,461	9,987
18	99.214	16.445,646	170.878,805	10,391	9,916	18	99.380	16.473,217	172.264,148	10,457	9,982
19	99.139	14.871,648	154.433,160	10,384	9,910	19	99.352	14.903,602	155.790,931	10,453	9,978
20	99.059	13.447,666	139.561,511	10,378	9,903	20	99.324	13.483,684	140.887,329	10,449	9,974
21	98.983	12.160,581	126.113,846	10,371	9,896	21	99.293	12.198,574	127.403,646	10,444	9,969
22	98.906	10.996,422	113.953,265	10,363	9,888	22	99.268	11.036,733	115.205,071	10,438	9,964
23	98.831	9.944,010	102.956,843	10,354	9,879	23	99.241	9.985,289	104.168,339	10,432	9,957
24	98.758	8.992,434	93.012,833	10,343	9,869	24	99.216	9.034,103	94.183,049	10,425	9,950
25	98.686	8.132,044	84.020,399	10,332	9,857	25	99.189	8.173,438	85.148,946	10,418	9,943
26	98.614	7.353,933	75.888,355	10,319	9,845	26	99.164	7.394,956	76.975,508	10,409	9,934
27	98.544	6.650,383	68.534,422	10,305	9,831	27	99.136	6.690,395	69.580,552	10,400	9,925
28	98.473	6.014,143	61.884,039	10,290	9,815	28	99.108	6.052,891	62.890,157	10,390	9,915
29	98.401	5.438,662	55.869,896	10,273	9,798	29	99.078	5.476,104	56.837,266	10,379	9,904
30	98.331	4.918,405	50.431,234	10,254	9,779	30	99.049	4.954,299	51.361,163	10,367	9,892
31	98.260	4.447,793	45.512,829	10,233	9,758	31	99.017	4.482,061	46.406,863	10,354	9,879
32	98.182	4.021,974	41.065,036	10,210	9,735	32	98.981	4.054,715	41.924,802	10,340	9,865
33	98.102	3.636,813	37.043,062	10,186	9,711	33	98.946	3.668,120	37.870,088	10,324	9,849
34	98.016	3.288,347	33.406,249	10,159	9,684	34	98.907	3.318,240	34.201,967	10,307	9,832
35	97.922	2.973,037	30.117,903	10,130	9,656	35	98.860	3.001,524	30.883,728	10,289	9,815
36	97.819	2.687,716	27.144,866	10,100	9,625	36	98.810	2.714,921	27.882,204	10,270	9,795
37	97.709	2.429,576	24.457,150	10,066	9,592	37	98.754	2.455,552	25.167,283	10,249	9,774
38	97.591	2.196,055	22.027,574	10,031	9,556	38	98.693	2.220,857	22.711,731	10,227	9,752
39	97.457	1.984,642	19.831,519	9,992	9,518	39	98.624	2.008,419	20.490,874	10,202	9,728
40	97.306	1.793,288	17.846,877	9,952	9,477	40	98.545	1.816,119	18.482,455	10,177	9,702
41	97.139	1.620,090	16.053,590	9,909	9,434	41	98.459	1.642,117	16.666,336	10,149	9,674
42	96.954	1.463,359	14.433,500	9,863	9,388	42	98.362	1.484,610	15.024,219	10,120	9,645
43	96.740	1.321,386	12.970,141	9,816	9,341	43	98.252	1.342,027	13.539,609	10,089	9,614
44	96.501	1.192,864	11.648,754	9,765	9,291	44	98.124	1.212,928	12.197,582	10,056	9,582
45	96.242	1.076,619	10.455,890	9,712	9,237	45	97.987	1.096,144	10.984,654	10,021	9,546
46	95.946	971,318	9.379,271	9,656	9,181	46	97.832	990,412	9.888,510	9,984	9,509
47	95.620	876,037	8.407,953	9,598	9,123	47	97.656	894,691	8.898,097	9,945	9,471
48	95.262	789,822	7.531,916	9,536	9,061	48	97.466	808,101	8.003,406	9,904	9,429
49	94.873	711,853	6.742,094	9,471	8,996	49	97.260	729,763	7.195,305	9,860	9,385

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Rente
nach der Sterbetafel 2002/2004**

Zinsfuß 10,50%

x	l _x	D _x	N _x	ä _x	⁽¹²⁾ ä _x	y	l _y	D _y	N _y	ä _y	⁽¹²⁾ ä _y
50	94.447	641,320	6.030,240	9,403	8,928	50	97.026	658,829	6.465,543	9,814	9,339
51	93.979	577,504	5.388,920	9,331	8,857	51	96.781	594,719	5.806,714	9,764	9,289
52	93.492	519,920	4.811,417	9,254	8,779	52	96.512	536,713	5.211,995	9,711	9,236
53	92.944	467,757	4.291,496	9,175	8,700	53	96.220	484,244	4.675,282	9,655	9,180
54	92.360	420,648	3.823,740	9,090	8,615	54	95.916	436,846	4.191,038	9,594	9,119
55	91.733	378,092	3.403,091	9,001	8,526	55	95.583	393,961	3.754,192	9,529	9,055
56	91.046	339,604	3.024,999	8,907	8,433	56	95.221	355,176	3.360,231	9,461	8,986
57	90.333	304,927	2.685,395	8,807	8,332	57	94.838	320,136	3.005,055	9,387	8,912
58	89.551	273,564	2.380,468	8,702	8,227	58	94.415	288,422	2.684,919	9,309	8,834
59	88.698	245,210	2.106,904	8,592	8,117	59	93.960	259,759	2.396,497	9,226	8,751
60	87.765	219,577	1.861,694	8,479	8,004	60	93.483	233,881	2.136,738	9,136	8,661
61	86.777	196,475	1.642,117	8,358	7,883	61	92.968	210,492	1.902,857	9,040	8,565
62	85.735	175,670	1.445,641	8,229	7,755	62	92.445	189,418	1.692,366	8,935	8,460
63	84.580	156,836	1.269,972	8,097	7,623	63	91.863	170,341	1.502,947	8,823	8,348
64	83.358	139,882	1.113,136	7,958	7,483	64	91.238	153,106	1.332,607	8,704	8,229
65	82.042	124,592	973,254	7,812	7,337	65	90.571	137,544	1.179,501	8,575	8,101
66	80.606	110,778	848,662	7,661	7,186	66	89.831	123,458	1.041,957	8,440	7,965
67	79.063	98,334	737,883	7,504	7,029	67	89.018	110,715	918,499	8,296	7,821
68	77.370	87,084	639,550	7,344	6,869	68	88.113	99,176	807,785	8,145	7,670
69	75.541	76,946	552,466	7,180	6,705	69	87.105	88,725	708,609	7,987	7,512
70	73.595	67,841	475,520	7,009	6,535	70	85.994	79,270	619,884	7,820	7,345
71	71.497	59,644	407,680	6,835	6,360	71	84.772	70,718	540,614	7,645	7,170
72	69.245	52,276	348,036	6,658	6,183	72	83.397	62,960	469,896	7,463	6,989
73	66.807	45,643	295,760	6,480	6,005	73	81.894	55,951	406,936	7,273	6,798
74	64.216	39,704	250,116	6,299	5,825	74	80.225	49,602	350,985	7,076	6,601
75	61.490	34,406	210,412	6,116	5,641	75	78.399	43,867	301,383	6,870	6,396
76	58.647	29,697	176,006	5,927	5,452	76	76.367	38,670	257,515	6,659	6,185
77	55.721	25,534	146,309	5,730	5,255	77	74.156	33,982	218,846	6,440	5,965
78	52.671	21,843	120,775	5,529	5,054	78	71.743	29,753	184,863	6,213	5,739
79	49.474	18,568	98,932	5,328	4,853	79	69.084	25,927	155,111	5,982	5,508
80	46.179	15,684	80,364	5,124	4,649	80	66.178	22,477	129,183	5,747	5,273
81	42.747	13,139	64,680	4,923	4,448	81	62.954	19,350	106,707	5,515	5,040
82	39.238	10,914	51,541	4,722	4,248	82	59.445	16,535	87,357	5,283	4,808
83	35.555	8,950	40,626	4,539	4,064	83	55.604	13,997	70,821	5,060	4,585
84	31.932	7,274	31,676	4,355	3,880	84	51.619	11,759	56,824	4,832	4,358
85	28.411	5,857	24,402	4,166	3,691	85	47.471	9,787	45,065	4,605	4,130
86	25.109	4,685	18,545	3,959	3,484	86	43.349	8,088	35,279	4,362	3,887
87	21.783	3,678	13,860	3,768	3,294	87	38.979	6,581	27,191	4,132	3,657
88	18.512	2,829	10,182	3,600	3,125	88	34.384	5,254	20,609	3,923	3,448
89	15.448	2,136	7,354	3,442	2,968	89	29.862	4,129	15,356	3,719	3,244
90	12.671	1,586	5,217	3,290	2,816	90	25.436	3,183	11,226	3,527	3,052
91	10.212	1,157	3,632	3,140	2,665	91	21.278	2,410	8,043	3,338	2,863
92	8.040	0,824	2,475	3,004	2,529	92	17.290	1,772	5,634	3,179	2,704
93	6.192	0,574	1,651	2,875	2,401	93	13.739	1,274	3,862	3,030	2,556
94	4.658	0,391	1,077	2,754	2,280	94	10.662	0,895	2,587	2,891	2,416
95	3.420	0,260	0,686	2,641	2,166	95	8.069	0,613	1,692	2,761	2,286
96	2.447	0,168	0,426	2,534	2,059	96	5.949	0,409	1,079	2,640	2,165
97	1.704	0,106	0,258	2,434	1,959	97	4.266	0,265	0,671	2,526	2,052
98	1.154	0,065	0,152	2,340	1,866	98	2.973	0,167	0,405	2,421	1,946
99	759	0,039	0,087	2,252	1,778	99	2.010	0,102	0,238	2,323	1,848
100	484	0,022	0,048	2,170	1,695	100	1316	0,061	0,135	2,231	1,756

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Rente
nach der Sterbetafel 2002/2004**

Zinsfuß 10,75%

x	l _x	D _x	N _x	ä _x	⁽¹²⁾ ä _x	y	l _y	D _y	N _y	ä _y	⁽¹²⁾ ä _y
0	100.000	100.000,000	1.022.684,007	10,227	9,752	0	100.000	100.000,000	1.024.630,162	10,246	9,771
1	99.544	89.881,508	922.684,007	10,266	9,790	1	99.620	89.950,615	924.630,162	10,279	9,804
2	99.504	81.124,331	832.802,499	10,266	9,791	2	99.585	81.190,429	834.679,546	10,281	9,805
3	99.484	73.235,213	751.678,169	10,264	9,789	3	99.565	73.295,148	753.489,117	10,280	9,805
4	99.465	66.114,540	678.442,956	10,262	9,786	4	99.548	66.169,361	680.193,969	10,280	9,804
5	99.452	59.689,096	612.328,416	10,259	9,783	5	99.535	59.738,885	614.024,608	10,278	9,803
6	99.438	53.887,966	552.639,321	10,255	9,780	6	99.522	53.933,251	554.285,723	10,277	9,802
7	99.427	48.651,634	498.751,355	10,251	9,776	7	99.513	48.693,708	500.352,472	10,276	9,800
8	99.415	43.923,817	450.099,721	10,247	9,772	8	99.504	43.963,401	451.658,765	10,274	9,798
9	99.403	39.655,615	406.175,904	10,243	9,767	9	99.495	39.692,263	407.695,363	10,271	9,796
10	99.393	35.803,074	366.520,289	10,237	9,762	10	99.488	35.837,199	368.003,100	10,269	9,794
11	99.384	32.324,794	330.717,215	10,231	9,756	11	99.480	32.355,924	332.165,901	10,266	9,791
12	99.370	29.182,956	298.392,421	10,225	9,750	12	99.470	29.212,541	299.809,977	10,263	9,788
13	99.357	26.346,858	269.209,464	10,218	9,743	13	99.462	26.374,772	270.597,436	10,260	9,785
14	99.344	23.786,404	242.862,606	10,210	9,735	14	99.452	23.812,385	244.222,663	10,256	9,781
15	99.326	21.473,603	219.076,203	10,202	9,727	15	99.441	21.498,520	220.410,278	10,252	9,777
16	99.302	19.384,684	197.602,600	10,194	9,719	16	99.423	19.408,288	198.911,758	10,249	9,774
17	99.264	17.496,397	178.217,916	10,186	9,711	17	99.402	17.520,702	179.503,470	10,245	9,770
18	99.214	15.790,094	160.721,519	10,179	9,703	18	99.380	15.816,566	161.982,768	10,241	9,766
19	99.139	14.246,606	144.931,425	10,173	9,698	19	99.352	14.277,217	146.166,202	10,238	9,763
20	99.059	12.853,392	130.684,819	10,167	9,692	20	99.324	12.887,819	131.888,985	10,234	9,758
21	98.983	11.596,949	117.831,426	10,161	9,685	21	99.293	11.633,181	119.001,166	10,229	9,754
22	98.906	10.463,075	106.234,478	10,153	9,678	22	99.268	10.501,431	107.367,985	10,224	9,749
23	98.831	9.440,349	95.771,403	10,145	9,670	23	99.241	9.479,537	96.866,555	10,218	9,743
24	98.758	8.517,699	86.331,054	10,135	9,660	24	99.216	8.557,168	87.387,017	10,212	9,737
25	98.686	7.685,344	77.813,355	10,125	9,650	25	99.189	7.724,464	78.829,849	10,205	9,730
26	98.614	6.934,287	70.128,011	10,113	9,638	26	99.164	6.972,969	71.105,385	10,197	9,722
27	98.544	6.256,729	63.193,725	10,100	9,625	27	99.136	6.294,372	64.132,416	10,189	9,714
28	98.473	5.645,377	56.936,996	10,086	9,610	28	99.108	5.681,749	57.838,044	10,180	9,704
29	98.401	5.093,659	51.291,619	10,070	9,595	29	99.078	5.128,725	52.156,295	10,169	9,694
30	98.331	4.596,006	46.197,960	10,052	9,577	30	99.049	4.629,547	47.027,570	10,158	9,683
31	98.260	4.146,860	41.601,955	10,032	9,557	31	99.017	4.178,810	42.398,022	10,146	9,671
32	98.182	3.741,387	37.455,094	10,011	9,536	32	98.981	3.771,844	38.219,213	10,133	9,658
33	98.102	3.375,460	33.713,708	9,988	9,513	33	98.946	3.404,517	34.447,369	10,118	9,643
34	98.016	3.045,145	30.338,248	9,963	9,488	34	98.907	3.072,828	31.042,852	10,102	9,627
35	97.922	2.746,941	27.293,102	9,936	9,461	35	98.860	2.773,261	27.970,025	10,086	9,610
36	97.819	2.477,712	24.546,162	9,907	9,432	36	98.810	2.502,792	25.196,763	10,067	9,592
37	97.709	2.234,686	22.068,449	9,875	9,400	37	98.754	2.258,579	22.693,972	10,048	9,573
38	97.591	2.015,338	19.833,763	9,841	9,366	38	98.693	2.038,098	20.435,393	10,027	9,552
39	97.457	1.817,211	17.818,425	9,805	9,330	39	98.624	1.838,982	18.397,294	10,004	9,529
40	97.306	1.638,293	16.001,214	9,767	9,292	40	98.545	1.659,152	16.558,312	9,980	9,505
41	97.139	1.476,724	14.362,921	9,726	9,251	41	98.459	1.496,802	14.899,160	9,954	9,479
42	96.954	1.330,852	12.886,197	9,683	9,207	42	98.362	1.350,178	13.402,358	9,926	9,451
43	96.740	1.199,022	11.555,345	9,637	9,162	43	98.252	1.217,752	12.052,180	9,897	9,422
44	96.501	1.079,958	10.356,323	9,590	9,114	44	98.124	1.098,123	10.834,428	9,866	9,391
45	96.242	972,515	9.276,365	9,539	9,063	45	97.987	990,153	9.736,306	9,833	9,358
46	95.946	875,416	8.303,849	9,486	9,010	46	97.832	892,625	8.746,153	9,798	9,323
47	95.620	787,760	7.428,433	9,430	8,955	47	97.656	804,534	7.853,528	9,762	9,286
48	95.262	708,630	6.640,673	9,371	8,896	48	97.466	725,029	7.048,993	9,722	9,247
49	94.873	637,234	5.932,043	9,309	8,834	49	97.260	653,266	6.323,964	9,681	9,205

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Rente
nach der Sterbetafel 2002/2004**

Zinsfuß 10,75%

x	l _x	D _x	N _x	ä _x	(12) ä _x	y	l _y	D _y	N _y	ä _y	(12) ä _y
50	94.447	572,798	5.294,809	9,244	8,769	50	97.026	588,437	5.670,698	9,637	9,162
51	93.979	514,637	4.722,011	9,175	8,700	51	96.781	529,978	5.082,261	9,590	9,114
52	93.492	462,276	4.207,374	9,101	8,626	52	96.512	477,206	4.552,283	9,539	9,064
53	92.944	414,957	3.745,098	9,025	8,550	53	96.220	429,583	4.075,077	9,486	9,011
54	92.360	372,324	3.330,142	8,944	8,469	54	95.916	386,661	3.645,494	9,428	8,953
55	91.733	333,901	2.957,818	8,858	8,383	55	95.583	347,915	3.258,833	9,367	8,892
56	91.046	299,234	2.623,917	8,769	8,294	56	95.221	312,955	2.910,918	9,301	8,826
57	90.333	268,073	2.324,683	8,672	8,197	57	94.838	281,443	2.597,963	9,231	8,756
58	89.551	239,958	2.056,610	8,571	8,096	58	94.415	252,991	2.316,520	9,157	8,681
59	88.698	214,601	1.816,652	8,465	7,990	59	93.960	227,334	2.063,529	9,077	8,602
60	87.765	191,734	1.602,051	8,356	7,880	60	93.483	204,224	1.836,196	8,991	8,516
61	86.777	171,174	1.410,317	8,239	7,764	61	92.968	183,386	1.631,971	8,899	8,424
62	85.735	152,703	1.239,142	8,115	7,640	62	92.445	164,654	1.448,585	8,798	8,323
63	84.580	136,023	1.086,440	7,987	7,512	63	91.863	147,736	1.283,932	8,691	8,216
64	83.358	121,045	950,416	7,852	7,377	64	91.238	132,489	1.136,196	8,576	8,101
65	82.042	107,571	829,371	7,710	7,235	65	90.571	118,754	1.003,707	8,452	7,977
66	80.606	95,429	721,800	7,564	7,089	66	89.831	106,351	884,953	8,321	7,846
67	79.063	84,517	626,371	7,411	6,936	67	89.018	95,158	778,602	8,182	7,707
68	77.370	74,679	541,854	7,256	6,781	68	88.113	85,048	683,444	8,036	7,561
69	75.541	65,836	467,175	7,096	6,621	69	87.105	75,915	598,395	7,882	7,407
70	73.595	57,915	401,339	6,930	6,455	70	85.994	67,672	522,481	7,721	7,246
71	71.497	50,802	343,424	6,760	6,285	71	84.772	60,235	454,809	7,551	7,075
72	69.245	44,426	292,622	6,587	6,112	72	83.397	53,506	394,575	7,374	6,899
73	66.807	38,702	248,196	6,413	5,938	73	81.894	47,441	341,068	7,189	6,714
74	64.216	33,590	209,494	6,237	5,762	74	80.225	41,964	293,627	6,997	6,522
75	61.490	29,042	175,904	6,057	5,582	75	78.399	37,028	251,663	6,797	6,321
76	58.647	25,010	146,863	5,872	5,397	76	76.367	32,567	214,635	6,591	6,115
77	55.721	21,456	121,852	5,679	5,204	77	74.156	28,555	182,068	6,376	5,901
78	52.671	18,313	100,396	5,482	5,007	78	71.743	24,944	153,513	6,154	5,679
79	49.474	15,532	82,083	5,285	4,810	79	69.084	21,688	128,569	5,928	5,453
80	46.179	13,090	66,551	5,084	4,609	80	66.178	18,759	106,881	5,697	5,222
81	42.747	10,941	53,461	4,886	4,411	81	62.954	16,113	88,121	5,469	4,994
82	39.238	9,068	42,520	4,689	4,214	82	59.445	13,738	72,008	5,241	4,766
83	35.555	7,419	33,451	4,509	4,034	83	55.604	11,603	58,270	5,022	4,547
84	31.932	6,017	26,032	4,327	3,852	84	51.619	9,726	46,667	4,798	4,323
85	28.411	4,834	20,016	4,141	3,666	85	47.471	8,076	36,941	4,574	4,099
86	25.109	3,857	15,182	3,936	3,461	86	43.349	6,659	28,864	4,335	3,859
87	21.783	3,021	11,325	3,748	3,273	87	38.979	5,407	22,205	4,107	3,632
88	18.512	2,318	8,303	3,581	3,106	88	34.384	4,306	16,799	3,901	3,426
89	15.448	1,747	5,985	3,426	2,951	89	29.862	3,377	12,492	3,699	3,224
90	12.671	1,294	4,238	3,276	2,800	90	25.436	2,597	9,115	3,510	3,034
91	10.212	0,942	2,944	3,127	2,652	91	21.278	1,962	6,518	3,323	2,847
92	8.040	0,669	2,002	2,992	2,517	92	17.290	1,439	4,556	3,165	2,690
93	6.192	0,465	1,333	2,864	2,389	93	13.739	1,033	3,117	3,018	2,543
94	4.658	0,316	0,868	2,745	2,269	94	10.662	0,724	2,084	2,880	2,405
95	3.420	0,210	0,552	2,632	2,157	95	8.069	0,495	1,361	2,751	2,276
96	2.447	0,135	0,342	2,526	2,051	96	5.949	0,329	0,866	2,631	2,156
97	1.704	0,085	0,207	2,427	1,952	97	4.266	0,213	0,537	2,519	2,043
98	1.154	0,052	0,121	2,334	1,859	98	2.973	0,134	0,324	2,414	1,939
99	759	0,031	0,069	2,247	1,771	99	2.010	0,082	0,190	2,316	1,841
100	484	0,018	0,039	2,165	1,690	100	1316	0,048	0,108	2,225	1,750

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Rente
nach der Sterbetafel 2002/2004**

Zinsfuß 11,00%

x	l _x	D _x	N _x	ä _x	⁽¹²⁾ ä _x	y	l _y	D _y	N _y	ä _y	⁽¹²⁾ ä _y
0	100.000	100.000,000	1.001.896,452	10,019	9,543	0	100.000	100.000,000	1.003.720,635	10,037	9,562
1	99.544	89.679,072	901.896,452	10,057	9,581	1	99.620	89.748,024	903.720,635	10,070	9,594
2	99.504	80.759,317	812.217,380	10,057	9,582	2	99.585	80.825,118	813.972,611	10,071	9,595
3	99.484	72.741,494	731.458,062	10,056	9,580	3	99.565	72.801,025	733.147,493	10,071	9,595
4	99.465	65.520,922	658.716,569	10,054	9,578	4	99.548	65.575,252	660.346,467	10,070	9,595
5	99.452	59.019,942	593.195,646	10,051	9,575	5	99.535	59.069,173	594.771,216	10,069	9,594
6	99.438	53.163,838	534.175,704	10,048	9,572	6	99.522	53.208,515	535.702,043	10,068	9,592
7	99.427	47.889,767	481.011,866	10,044	9,569	7	99.513	47.931,182	482.493,528	10,066	9,591
8	99.415	43.138,607	433.122,099	10,040	9,565	8	99.504	43.177,484	434.562,346	10,065	9,589
9	99.403	38.858,989	389.983,492	10,036	9,560	9	99.495	38.894,901	391.384,862	10,063	9,587
10	99.393	35.004,822	351.124,503	10,031	9,555	10	99.488	35.038,187	352.489,961	10,060	9,585
11	99.384	31.532,912	316.119,680	10,025	9,550	11	99.480	31.563,280	317.451,775	10,058	9,582
12	99.370	28.403,925	284.586,768	10,019	9,544	12	99.470	28.432,720	285.888,495	10,055	9,579
13	99.357	25.585,780	256.182,843	10,013	9,537	13	99.462	25.612,888	257.455,775	10,052	9,576
14	99.344	23.047,264	230.597,063	10,005	9,530	14	99.452	23.072,438	231.842,887	10,048	9,573
15	99.326	20.759,470	207.549,799	9,998	9,522	15	99.441	20.783,558	208.770,449	10,045	9,569
16	99.302	18.697,814	186.790,329	9,990	9,514	16	99.423	18.720,581	187.986,890	10,042	9,566
17	99.264	16.838,425	168.092,516	9,983	9,507	17	99.402	16.861,817	169.266,310	10,038	9,563
18	99.214	15.162,064	151.254,091	9,976	9,500	18	99.380	15.187,483	152.404,493	10,035	9,559
19	99.139	13.649,156	136.092,027	9,971	9,495	19	99.352	13.678,483	137.217,010	10,032	9,556
20	99.059	12.286,633	122.442,871	9,966	9,490	20	99.324	12.319,541	123.538,527	10,028	9,552
21	98.983	11.060,623	110.156,238	9,959	9,484	21	99.293	11.095,180	111.218,986	10,024	9,549
22	98.906	9.956,713	99.095,615	9,953	9,477	22	99.268	9.993,212	100.123,806	10,019	9,544
23	98.831	8.963,248	89.138,902	9,945	9,469	23	99.241	9.000,456	90.130,593	10,014	9,538
24	98.758	8.069,013	80.175,654	9,936	9,461	24	99.216	8.106,404	81.130,137	10,008	9,533
25	98.686	7.264,107	72.106,641	9,926	9,451	25	99.189	7.301,082	73.023,733	10,002	9,526
26	98.614	6.539,453	64.842,534	9,916	9,440	26	99.164	6.575,933	65.722,651	9,994	9,519
27	98.544	5.887,186	58.303,080	9,903	9,428	27	99.136	5.922,606	59.146,718	9,987	9,511
28	98.473	5.299,978	52.415,894	9,890	9,414	28	99.108	5.334,126	53.224,112	9,978	9,503
29	98.401	4.771,246	47.115,916	9,875	9,399	29	99.078	4.804,092	47.889,986	9,969	9,493
30	98.331	4.295,396	42.344,670	9,858	9,383	30	99.049	4.326,744	43.085,894	9,958	9,483
31	98.260	3.866,899	38.049,274	9,840	9,364	31	99.017	3.896,691	38.759,150	9,947	9,471
32	98.182	3.480,942	34.182,375	9,820	9,344	32	98.981	3.509,279	34.862,458	9,934	9,459
33	98.102	3.133,415	30.701,433	9,798	9,323	33	98.946	3.160,388	31.353,180	9,921	9,445
34	98.016	2.820,420	27.568,018	9,774	9,299	34	98.907	2.846,059	28.192,791	9,906	9,430
35	97.922	2.538,492	24.747,598	9,749	9,273	35	98.860	2.562,815	25.346,732	9,890	9,415
36	97.819	2.284,536	22.209,106	9,721	9,246	36	98.810	2.307,660	22.783,917	9,873	9,398
37	97.709	2.055,818	19.924,570	9,692	9,216	37	98.754	2.077,798	20.476,257	9,855	9,379
38	97.591	1.849,850	17.868,752	9,660	9,184	38	98.693	1.870,742	18.398,459	9,835	9,359
39	97.457	1.664,235	16.018,902	9,625	9,150	39	98.624	1.684,174	16.527,717	9,814	9,338
40	97.306	1.497,000	14.354,667	9,589	9,113	40	98.545	1.516,060	14.843,543	9,791	9,315
41	97.139	1.346,326	12.857,666	9,550	9,075	41	98.459	1.364,631	13.327,483	9,766	9,291
42	96.954	1.210,602	11.511,340	9,509	9,033	42	98.362	1.228,182	11.962,851	9,740	9,265
43	96.740	1.088,227	10.300,738	9,466	8,990	43	98.252	1.105,226	10.734,669	9,713	9,237
44	96.501	977,958	9.212,510	9,420	8,945	44	98.124	994,407	9.629,443	9,684	9,208
45	96.242	878,680	8.234,552	9,372	8,896	45	97.987	894,615	8.635,036	9,652	9,177
46	95.946	789,167	7.355,872	9,321	8,846	46	97.832	804,681	7.740,421	9,619	9,144
47	95.620	708,548	6.566,705	9,268	8,792	47	97.656	723,636	6.935,740	9,585	9,109
48	95.262	635,939	5.858,156	9,212	8,736	48	97.466	650,657	6.212,104	9,547	9,072
49	94.873	570,580	5.222,217	9,152	8,677	49	97.260	584,934	5.561,447	9,508	9,032

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Rente
nach der Sterbetafel 2002/2004**

Zinsfuß 11,00%

x	l _x	D _x	N _x	ä _x	(12) ä _x	y	l _y	D _y	N _y	ä _y	(12) ä _y
50	94.447	511,728	4.651,637	9,090	8,615	50	97.026	525,700	4.976,512	9,466	8,991
51	93.979	458,732	4.139,909	9,025	8,549	51	96.781	472,407	4.450,813	9,422	8,946
52	93.492	411,131	3.681,177	8,954	8,478	52	96.512	424,410	3.978,406	9,374	8,898
53	92.944	368,216	3.270,046	8,881	8,405	53	96.220	381,195	3.553,996	9,323	8,848
54	92.360	329,641	2.901,830	8,803	8,327	54	95.916	342,335	3.172,801	9,268	8,793
55	91.733	294,958	2.572,189	8,721	8,245	55	95.583	307,337	2.830,466	9,210	8,734
56	91.046	263,738	2.277,231	8,634	8,159	56	95.221	275,832	2.523,129	9,147	8,672
57	90.333	235,741	2.013,493	8,541	8,066	57	94.838	247,499	2.247,298	9,080	8,604
58	89.551	210,542	1.777,751	8,444	7,968	58	94.415	221,977	1.999,799	9,009	8,533
59	88.698	187,870	1.567,209	8,342	7,866	59	93.960	199,016	1.777,821	8,933	8,458
60	87.765	167,473	1.379,339	8,236	7,761	60	93.483	178,383	1.578,805	8,851	8,375
61	86.777	149,178	1.211,866	8,124	7,648	61	92.968	159,820	1.400,422	8,762	8,287
62	85.735	132,780	1.062,688	8,003	7,528	62	92.445	143,172	1.240,602	8,665	8,190
63	84.580	118,011	929,908	7,880	7,404	63	91.863	128,172	1.097,430	8,562	8,087
64	83.358	104,780	811,897	7,749	7,273	64	91.238	114,685	969,258	8,451	7,976
65	82.042	92,906	707,118	7,611	7,136	65	90.571	102,564	854,573	8,332	7,857
66	80.606	82,233	614,211	7,469	6,994	66	89.831	91,646	752,008	8,206	7,730
67	79.063	72,667	531,978	7,321	6,845	67	89.018	81,816	660,363	8,071	7,596
68	77.370	64,063	459,311	7,170	6,694	68	88.113	72,959	578,547	7,930	7,454
69	75.541	56,350	395,248	7,014	6,539	69	87.105	64,977	505,588	7,781	7,306
70	73.595	49,459	338,898	6,852	6,377	70	85.994	57,791	440,611	7,624	7,149
71	71.497	43,287	289,439	6,687	6,211	71	84.772	51,324	382,820	7,459	6,983
72	69.245	37,769	246,153	6,517	6,042	72	83.397	45,488	331,496	7,288	6,812
73	66.807	32,828	208,384	6,348	5,872	73	81.894	40,241	286,008	7,107	6,632
74	64.216	28,428	175,555	6,175	5,700	74	80.225	35,515	245,767	6,920	6,445
75	61.490	24,523	147,128	5,999	5,524	75	78.399	31,267	210,252	6,724	6,249
76	58.647	21,072	122,604	5,818	5,343	76	76.367	27,438	178,985	6,523	6,048
77	55.721	18,036	101,533	5,629	5,154	77	74.156	24,004	151,546	6,313	5,838
78	52.671	15,360	83,496	5,436	4,961	78	71.743	20,921	127,543	6,096	5,621
79	49.474	12,998	68,136	5,242	4,767	79	69.084	18,150	106,622	5,875	5,399
80	46.179	10,930	55,139	5,045	4,569	80	66.178	15,663	88,472	5,648	5,173
81	42.747	9,115	44,209	4,850	4,375	81	62.954	13,423	72,809	5,424	4,948
82	39.238	7,537	35,094	4,656	4,181	82	59.445	11,419	59,385	5,201	4,725
83	35.555	6,153	27,557	4,479	4,003	83	55.604	9,623	47,966	4,985	4,509
84	31.932	4,978	21,404	4,299	3,824	84	51.619	8,048	38,344	4,764	4,289
85	28.411	3,991	16,426	4,116	3,641	85	47.471	6,668	30,296	4,544	4,068
86	25.109	3,177	12,435	3,914	3,438	86	43.349	5,485	23,628	4,307	3,832
87	21.783	2,483	9,258	3,728	3,252	87	38.979	4,444	18,143	4,083	3,607
88	18.512	1,901	6,774	3,563	3,088	88	34.384	3,531	13,699	3,879	3,404
89	15.448	1,429	4,873	3,409	2,934	89	29.862	2,763	10,168	3,680	3,205
90	12.671	1,056	3,444	3,261	2,785	90	25.436	2,120	7,405	3,493	3,017
91	10.212	0,767	2,388	3,113	2,638	91	21.278	1,598	5,285	3,307	2,832
92	8.040	0,544	1,621	2,980	2,504	92	17.290	1,170	3,687	3,152	2,676
93	6.192	0,377	1,077	2,854	2,378	93	13.739	0,837	2,517	3,006	2,530
94	4.658	0,256	0,700	2,735	2,259	94	10.662	0,585	1,680	2,869	2,394
95	3.420	0,169	0,444	2,623	2,148	95	8.069	0,399	1,094	2,742	2,266
96	2.447	0,109	0,275	2,518	2,043	96	5.949	0,265	0,695	2,622	2,147
97	1.704	0,068	0,166	2,420	1,944	97	4.266	0,171	0,430	2,511	2,035
98	1.154	0,042	0,097	2,327	1,852	98	2.973	0,108	0,259	2,407	1,931
99	759	0,025	0,055	2,241	1,765	99	2.010	0,065	0,151	2,310	1,834
100	484	0,014	0,031	2,160	1,684	100	1316	0,039	0,086	2,219	1,744

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Rente
nach der Sterbetafel 2002/2004**

Zinsfuß 11,25%

x	l _x	D _x	N _x	ä _x	(12) ä _x	y	l _y	D _y	N _y	ä _y	(12) ä _y
0	100.000	100.000,000	982.015,387	9,820	9,344	0	100.000	100.000,000	983.729,504	9,837	9,361
1	99.544	89.477,546	882.015,387	9,857	9,381	1	99.620	89.546,343	883.729,504	9,869	9,393
2	99.504	80.396,762	792.537,841	9,858	9,382	2	99.585	80.462,267	794.183,162	9,870	9,394
3	99.484	72.252,203	712.141,079	9,856	9,380	3	99.565	72.311,334	713.720,894	9,870	9,394
4	99.465	64.933,953	639.888,876	9,854	9,379	4	99.548	64.987,795	641.409,560	9,870	9,394
5	99.452	58.359,771	574.954,924	9,852	9,376	5	99.535	58.408,451	576.421,765	9,869	9,393
6	99.438	52.451,037	516.595,153	9,849	9,373	6	99.522	52.495,115	518.013,315	9,868	9,392
7	99.427	47.141,505	464.144,116	9,846	9,370	7	99.513	47.182,272	465.518,200	9,866	9,390
8	99.415	42.369,154	417.002,611	9,842	9,366	8	99.504	42.407,338	418.335,927	9,865	9,389
9	99.403	38.080,104	374.633,457	9,838	9,362	9	99.495	38.115,296	375.928,590	9,863	9,387
10	99.393	34.226,104	336.553,353	9,833	9,357	10	99.488	34.258,726	337.813,294	9,861	9,385
11	99.384	30.762,146	302.327,249	9,828	9,352	11	99.480	30.791,771	303.554,567	9,858	9,382
12	99.370	27.647,373	271.565,103	9,822	9,347	12	99.470	27.675,401	272.762,796	9,856	9,380
13	99.357	24.848,326	243.917,730	9,816	9,340	13	99.462	24.874,652	245.087,395	9,853	9,377
14	99.344	22.332,678	219.069,404	9,809	9,333	14	99.452	22.357,072	220.212,743	9,850	9,374
15	99.326	20.070,613	196.736,726	9,802	9,326	15	99.441	20.093,902	197.855,671	9,847	9,371
16	99.302	18.036,745	176.666,113	9,795	9,319	16	99.423	18.058,708	177.761,769	9,844	9,368
17	99.264	16.206,595	158.629,368	9,788	9,312	17	99.402	16.229,109	159.703,061	9,841	9,365
18	99.214	14.560,342	142.422,773	9,782	9,306	18	99.380	14.584,753	143.473,952	9,837	9,361
19	99.139	13.078,021	127.862,431	9,777	9,301	19	99.352	13.106,120	128.889,199	9,834	9,358
20	99.059	11.746,056	114.784,410	9,772	9,296	20	99.324	11.777,516	115.783,079	9,831	9,355
21	98.983	10.550,226	103.038,354	9,766	9,291	21	99.293	10.583,188	104.005,563	9,827	9,352
22	98.906	9.475,913	92.488,128	9,760	9,284	22	99.268	9.510,650	93.422,375	9,823	9,347
23	98.831	8.511,253	83.012,215	9,753	9,277	23	99.241	8.546,585	83.911,725	9,818	9,342
24	98.758	7.644,894	74.500,963	9,745	9,269	24	99.216	7.680,319	75.365,140	9,813	9,337
25	98.686	6.866,828	66.856,069	9,736	9,260	25	99.189	6.901,782	67.684,821	9,807	9,331
26	98.614	6.167,915	59.989,241	9,726	9,250	26	99.164	6.202,322	60.783,040	9,800	9,324
27	98.544	5.540,228	53.821,325	9,715	9,239	27	99.136	5.573,560	54.580,717	9,793	9,317
28	98.473	4.976,419	48.281,097	9,702	9,226	28	99.108	5.008,482	49.007,157	9,785	9,309
29	98.401	4.469,898	43.304,678	9,688	9,212	29	99.078	4.500,670	43.998,675	9,776	9,300
30	98.331	4.015,060	38.834,780	9,672	9,196	30	99.049	4.044,362	39.498,005	9,766	9,290
31	98.260	3.606,406	34.819,721	9,655	9,179	31	99.017	3.634,191	35.453,644	9,756	9,280
32	98.182	3.239,153	31.213,315	9,636	9,160	32	98.981	3.265,522	31.819,452	9,744	9,268
33	98.102	2.909,213	27.974,162	9,616	9,140	33	98.946	2.934,257	28.553,931	9,731	9,255
34	98.016	2.612,729	25.064,949	9,593	9,117	34	98.907	2.636,480	25.619,674	9,717	9,241
35	97.922	2.346,277	22.452,220	9,569	9,093	35	98.860	2.368,759	22.983,194	9,703	9,227
36	97.819	2.106,806	20.105,942	9,543	9,067	36	98.810	2.128,131	20.614,435	9,687	9,211
37	97.709	1.891,621	17.999,136	9,515	9,039	37	98.754	1.911,845	18.486,304	9,669	9,193
38	97.591	1.698,279	16.107,515	9,485	9,009	38	98.693	1.717,459	16.574,458	9,651	9,175
39	97.457	1.524,439	14.409,236	9,452	8,976	39	98.624	1.542,703	14.857,000	9,630	9,155
40	97.306	1.368,171	12.884,797	9,418	8,942	40	98.545	1.385,590	13.314,296	9,609	9,133
41	97.139	1.227,698	11.516,626	9,381	8,905	41	98.459	1.244,391	11.928,706	9,586	9,110
42	96.954	1.101,453	10.288,928	9,341	8,865	42	98.362	1.117,448	10.684,316	9,561	9,085
43	96.740	987,886	9.187,475	9,300	8,824	43	98.252	1.003,318	9.566,868	9,535	9,059
44	96.501	885,789	8.199,589	9,257	8,781	44	98.124	900,688	8.563,551	9,508	9,032
45	96.242	794,079	7.313,800	9,210	8,735	45	97.987	808,480	7.662,863	9,478	9,002
46	95.946	711,583	6.519,721	9,162	8,686	46	97.832	725,571	6.854,382	9,447	8,971
47	95.620	637,454	5.808,138	9,111	8,636	47	97.656	651,027	6.128,811	9,414	8,938
48	95.262	570,845	5.170,684	9,058	8,582	48	97.466	584,055	5.477,784	9,379	8,903
49	94.873	511,024	4.599,840	9,001	8,525	49	97.260	523,880	4.893,729	9,341	8,865

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Rente
nach der Sterbetafel 2002/2004**

Zinsfuß 11,25%

x	l _x	D _x	N _x	ä _x	⁽¹²⁾ ä _x	y	l _y	D _y	N _y	ä _y	⁽¹²⁾ ä _y
50	94.447	457,286	4.088,816	8,941	8,466	50	97.026	469,770	4.369,848	9,302	8,826
51	93.979	409,006	3.631,530	8,879	8,403	51	96.781	421,199	3.900,078	9,259	8,784
52	93.492	365,741	3.222,524	8,811	8,335	52	96.512	377,554	3.478,879	9,214	8,738
53	92.944	326,828	2.856,783	8,741	8,265	53	96.220	338,348	3.101,325	9,166	8,690
54	92.360	291,932	2.529,954	8,666	8,190	54	95.916	303,173	2.762,977	9,114	8,638
55	91.733	260,629	2.238,023	8,587	8,111	55	95.583	271,567	2.459,803	9,058	8,582
56	91.046	232,519	1.977,394	8,504	8,028	56	95.221	243,181	2.188,236	8,998	8,522
57	90.333	207,369	1.744,875	8,414	7,938	57	94.838	217,712	1.945,055	8,934	8,458
58	89.551	184,787	1.537,505	8,320	7,845	58	94.415	194,823	1.727,343	8,866	8,390
59	88.698	164,517	1.352,719	8,222	7,746	59	93.960	174,278	1.532,520	8,794	8,318
60	87.765	146,326	1.188,201	8,120	7,644	60	93.483	155,858	1.358,242	8,715	8,239
61	86.777	130,048	1.041,875	8,011	7,536	61	92.968	139,326	1.202,383	8,630	8,154
62	85.735	115,493	911,827	7,895	7,419	62	92.445	124,532	1.063,057	8,536	8,060
63	84.580	102,416	796,333	7,775	7,300	63	91.863	111,235	938,525	8,437	7,961
64	83.358	90,729	693,917	7,648	7,172	64	91.238	99,306	827,290	8,331	7,855
65	82.042	80,267	603,188	7,515	7,039	65	90.571	88,611	727,984	8,215	7,740
66	80.606	70,887	522,921	7,377	6,901	66	89.831	79,000	639,373	8,093	7,617
67	79.063	62,499	452,035	7,233	6,757	67	89.018	70,368	560,373	7,963	7,488
68	77.370	54,976	389,535	7,086	6,610	68	88.113	62,609	490,005	7,826	7,350
69	75.541	48,248	334,560	6,934	6,458	69	87.105	55,634	427,395	7,682	7,206
70	73.595	42,252	286,312	6,776	6,300	70	85.994	49,370	371,761	7,530	7,054
71	71.497	36,896	244,060	6,615	6,139	71	84.772	43,747	322,391	7,369	6,894
72	69.245	32,121	207,163	6,449	5,974	72	83.397	38,686	278,644	7,203	6,727
73	66.807	27,856	175,042	6,284	5,808	73	81.894	34,147	239,958	7,027	6,551
74	64.216	24,068	147,186	6,115	5,639	74	80.225	30,068	205,811	6,845	6,369
75	61.490	20,716	123,118	5,943	5,467	75	78.399	26,413	175,743	6,654	6,178
76	58.647	17,760	102,402	5,766	5,290	76	76.367	23,126	149,330	6,457	5,981
77	55.721	15,168	84,642	5,580	5,105	77	74.156	20,186	126,204	6,252	5,776
78	52.671	12,888	69,474	5,391	4,915	78	71.743	17,554	106,018	6,039	5,564
79	49.474	10,881	56,587	5,200	4,725	79	69.084	15,194	88,464	5,822	5,346
80	46.179	9,129	45,706	5,006	4,530	80	66.178	13,083	73,270	5,600	5,124
81	42.747	7,596	36,576	4,815	4,339	81	62.954	11,187	60,187	5,380	4,904
82	39.238	6,268	28,980	4,624	4,148	82	59.445	9,495	48,999	5,160	4,684
83	35.555	5,105	22,712	4,449	3,973	83	55.604	7,984	39,504	4,948	4,472
84	31.932	4,121	17,607	4,272	3,796	84	51.619	6,662	31,520	4,731	4,255
85	28.411	3,296	13,486	4,092	3,616	85	47.471	5,507	24,858	4,514	4,038
86	25.109	2,618	10,190	3,892	3,416	86	43.349	4,520	19,351	4,281	3,805
87	21.783	2,042	7,572	3,708	3,232	87	38.979	3,654	14,831	4,059	3,583
88	18.512	1,560	5,530	3,545	3,069	88	34.384	2,897	11,177	3,858	3,382
89	15.448	1,170	3,970	3,393	2,917	89	29.862	2,262	8,280	3,661	3,185
90	12.671	0,863	2,800	3,246	2,770	90	25.436	1,732	6,018	3,476	3,000
91	10.212	0,625	1,937	3,100	2,624	91	21.278	1,302	4,287	3,292	2,817
92	8.040	0,442	1,313	2,968	2,492	92	17.290	0,951	2,985	3,138	2,663
93	6.192	0,306	0,870	2,843	2,367	93	13.739	0,679	2,034	2,994	2,518
94	4.658	0,207	0,564	2,725	2,249	94	10.662	0,474	1,354	2,859	2,383
95	3.420	0,137	0,357	2,614	2,139	95	8.069	0,322	0,881	2,732	2,256
96	2.447	0,088	0,221	2,510	2,034	96	5.949	0,214	0,558	2,614	2,138
97	1.704	0,055	0,133	2,413	1,937	97	4.266	0,138	0,345	2,503	2,027
98	1.154	0,033	0,078	2,321	1,845	98	2.973	0,086	0,207	2,400	1,924
99	759	0,020	0,044	2,235	1,759	99	2.010	0,052	0,121	2,304	1,828
100	484	0,011	0,024	2,154	1,678	100	1316	0,031	0,068	2,214	1,738

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Rente
nach der Sterbetafel 2002/2004**

Zinsfuß 11,50%

x	l _x	D _x	N _x	ä _x	⁽¹²⁾ ä _x	y	l _y	D _y	N _y	ä _y	⁽¹²⁾ ä _y
0	100.000	100.000,000	962.983,743	9,630	9,154	0	100.000	100.000,000	964.598,288	9,646	9,170
1	99.544	89.276,924	862.983,743	9,666	9,190	1	99.620	89.345,566	864.598,288	9,677	9,201
2	99.504	80.036,643	773.706,819	9,667	9,191	2	99.585	80.101,855	775.252,722	9,678	9,202
3	99.484	71.767,290	693.670,177	9,666	9,189	3	99.565	71.826,025	695.150,867	9,678	9,202
4	99.465	64.353,541	621.902,886	9,664	9,188	4	99.548	64.406,902	623.324,843	9,678	9,202
5	99.452	57.708,440	557.549,345	9,661	9,185	5	99.535	57.756,577	558.917,941	9,677	9,201
6	99.438	51.749,361	499.840,905	9,659	9,183	6	99.522	51.792,849	501.161,363	9,676	9,200
7	99.427	46.406,574	448.091,543	9,656	9,180	7	99.513	46.446,706	449.368,514	9,675	9,199
8	99.415	41.615,106	401.684,970	9,652	9,176	8	99.504	41.652,611	402.921,808	9,673	9,197
9	99.403	37.318,528	360.069,863	9,649	9,172	9	99.495	37.353,015	361.269,198	9,672	9,195
10	99.393	33.466,399	322.751,336	9,644	9,168	10	99.488	33.498,298	323.916,182	9,670	9,193
11	99.384	30.011,888	289.284,936	9,639	9,163	11	99.480	30.040,790	290.417,884	9,667	9,191
12	99.370	26.912,602	259.273,049	9,634	9,158	12	99.470	26.939,886	260.377,095	9,665	9,189
13	99.357	24.133,711	232.360,446	9,628	9,152	13	99.462	24.159,281	233.437,209	9,662	9,186
14	99.344	21.641,778	208.226,735	9,622	9,145	14	99.452	21.665,417	209.277,928	9,660	9,183
15	99.326	19.406,085	186.584,958	9,615	9,138	15	99.441	19.428,603	187.612,511	9,657	9,180
16	99.302	17.400,455	167.178,872	9,608	9,131	16	99.423	17.421,643	168.183,908	9,654	9,177
17	99.264	15.599,812	149.778,417	9,601	9,125	17	99.402	15.621,483	150.762,266	9,651	9,175
18	99.214	13.983,771	134.178,605	9,595	9,119	18	99.380	14.007,216	135.140,783	9,648	9,172
19	99.139	12.531,986	120.194,834	9,591	9,115	19	99.352	12.558,913	121.133,567	9,645	9,169
20	99.059	11.230,397	107.662,848	9,587	9,110	20	99.324	11.260,476	108.574,654	9,642	9,166
21	98.983	10.064,448	96.432,450	9,581	9,105	21	99.293	10.095,892	97.314,178	9,639	9,163
22	98.906	9.019,333	86.368,003	9,576	9,100	22	99.268	9.052,396	87.218,286	9,635	9,159
23	98.831	8.082,989	77.348,670	9,569	9,093	23	99.241	8.116,543	78.165,890	9,630	9,154
24	98.758	7.243,944	69.265,681	9,562	9,086	24	99.216	7.277,512	70.049,347	9,625	9,149
25	98.686	6.492,097	62.021,736	9,553	9,077	25	99.189	6.525,143	62.771,835	9,620	9,144
26	98.614	5.818,250	55.529,639	9,544	9,068	26	99.164	5.850,706	56.246,692	9,614	9,137
27	98.544	5.214,429	49.711,390	9,533	9,057	27	99.136	5.245,801	50.395,986	9,607	9,131
28	98.473	4.673,274	44.496,961	9,522	9,045	28	99.108	4.703,383	45.150,185	9,600	9,123
29	98.401	4.188,196	39.823,687	9,509	9,032	29	99.078	4.217,029	40.446,802	9,591	9,115
30	98.331	3.753,588	35.635,491	9,494	9,017	30	99.049	3.780,982	36.229,773	9,582	9,106
31	98.260	3.363,987	31.881,903	9,477	9,001	31	99.017	3.389,905	32.448,791	9,572	9,096
32	98.182	3.014,646	28.517,916	9,460	8,984	32	98.981	3.039,187	29.058,887	9,561	9,085
33	98.102	2.701,504	25.503,270	9,440	8,964	33	98.946	2.724,759	26.019,699	9,549	9,073
34	98.016	2.420,748	22.801,766	9,419	8,943	34	98.907	2.442,754	23.294,940	9,536	9,060
35	97.922	2.169,001	20.381,019	9,397	8,920	35	98.860	2.189,783	20.852,186	9,522	9,046
36	97.819	1.943,256	18.212,018	9,372	8,896	36	98.810	1.962,926	18.662,403	9,507	9,031
37	97.709	1.740,863	16.268,762	9,345	8,869	37	98.754	1.759,476	16.699,477	9,491	9,015
38	97.591	1.559,426	14.527,898	9,316	8,840	38	98.693	1.577,038	14.940,001	9,473	8,997
39	97.457	1.396,661	12.968,472	9,285	8,809	39	98.624	1.413,394	13.362,963	9,455	8,978
40	97.306	1.250,680	11.571,811	9,252	8,776	40	98.545	1.266,604	11.949,569	9,434	8,958
41	97.139	1.119,755	10.321,130	9,217	8,741	41	98.459	1.134,979	10.682,965	9,412	8,936
42	96.954	1.002,357	9.201,375	9,180	8,703	42	98.362	1.016,912	9.547,985	9,389	8,913
43	96.740	896,992	8.199,019	9,141	8,664	43	98.252	911,003	8.531,073	9,364	8,888
44	96.501	802,485	7.302,027	9,099	8,623	44	98.124	815,983	7.620,070	9,339	8,862
45	96.242	717,787	6.499,542	9,055	8,579	45	97.987	730,804	6.804,087	9,310	8,834
46	95.946	641,774	5.781,755	9,009	8,533	46	97.832	654,391	6.073,282	9,281	8,805
47	95.620	573,629	5.139,981	8,960	8,484	47	97.656	585,843	5.418,892	9,250	8,773
48	95.262	512,537	4.566,352	8,909	8,433	48	97.466	524,398	4.833,049	9,216	8,740
49	94.873	457,798	4.053,815	8,855	8,379	49	97.260	469,315	4.308,650	9,181	8,704

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Rente
nach der Sterbetafel 2002/2004**

Zinsfuß 11,50%

x	l _x	D _x	N _x	ä _x	⁽¹²⁾ ä _x	y	l _y	D _y	N _y	ä _y	⁽¹²⁾ ä _y
50	94.447	408,738	3.596,017	8,798	8,322	50	97.026	419,898	3.839,335	9,144	8,667
51	93.979	364,765	3.187,279	8,738	8,262	51	96.781	375,638	3.419,438	9,103	8,627
52	93.492	325,448	2.822,514	8,673	8,196	52	96.512	335,960	3.043,799	9,060	8,584
53	92.944	290,170	2.497,066	8,606	8,129	53	96.220	300,398	2.707,840	9,014	8,538
54	92.360	258,606	2.206,896	8,534	8,058	54	95.916	268,565	2.407,442	8,964	8,488
55	91.733	230,359	1.948,289	8,458	7,981	55	95.583	240,027	2.138,877	8,911	8,435
56	91.046	205,054	1.717,930	8,378	7,902	56	95.221	214,456	1.898,849	8,854	8,378
57	90.333	182,464	1.512,876	8,291	7,815	57	94.838	191,565	1.684,393	8,793	8,317
58	89.551	162,229	1.330,412	8,201	7,725	58	94.415	171,040	1.492,828	8,728	8,252
59	88.698	144,111	1.168,183	8,106	7,630	59	93.960	152,661	1.321,788	8,658	8,182
60	87.765	127,889	1.024,072	8,008	7,531	60	93.483	136,219	1.169,127	8,583	8,106
61	86.777	113,407	896,184	7,902	7,426	61	92.968	121,497	1.032,908	8,501	8,025
62	85.735	100,489	782,777	7,790	7,313	62	92.445	108,353	911,410	8,411	7,935
63	84.580	88,910	682,288	7,674	7,198	63	91.863	96,566	803,057	8,316	7,840
64	83.358	78,588	593,378	7,550	7,074	64	91.238	86,017	706,491	8,213	7,737
65	82.042	69,370	514,790	7,421	6,945	65	90.571	76,581	620,474	8,102	7,626
66	80.606	61,126	445,420	7,287	6,811	66	89.831	68,122	543,892	7,984	7,508
67	79.063	53,772	384,294	7,147	6,670	67	89.018	60,543	475,770	7,858	7,382
68	77.370	47,193	330,522	7,004	6,527	68	88.113	53,746	415,228	7,726	7,249
69	75.541	41,325	283,329	6,856	6,380	69	87.105	47,652	361,481	7,586	7,110
70	73.595	36,109	242,003	6,702	6,226	70	85.994	42,192	313,830	7,438	6,962
71	71.497	31,461	205,895	6,544	6,068	71	84.772	37,302	271,638	7,282	6,806
72	69.245	27,327	174,434	6,383	5,907	72	83.397	32,913	234,336	7,120	6,644
73	66.807	23,646	147,107	6,221	5,745	73	81.894	28,986	201,423	6,949	6,473
74	64.216	20,385	123,460	6,057	5,580	74	80.225	25,467	172,437	6,771	6,295
75	61.490	17,506	103,076	5,888	5,412	75	78.399	22,320	146,971	6,585	6,108
76	58.647	14,975	85,570	5,714	5,238	76	76.367	19,499	124,650	6,393	5,916
77	55.721	12,760	70,595	5,532	5,056	77	74.156	16,982	105,151	6,192	5,716
78	52.671	10,818	57,835	5,346	4,870	78	71.743	14,735	88,170	5,984	5,508
79	49.474	9,113	47,017	5,159	4,683	79	69.084	12,725	73,435	5,771	5,295
80	46.179	7,629	37,904	4,969	4,492	80	66.178	10,933	60,710	5,553	5,077
81	42.747	6,334	30,275	4,780	4,304	81	62.954	9,327	49,777	5,337	4,860
82	39.238	5,214	23,942	4,592	4,116	82	59.445	7,899	40,450	5,121	4,645
83	35.555	4,237	18,728	4,420	3,944	83	55.604	6,627	32,551	4,912	4,436
84	31.932	3,413	14,491	4,246	3,769	84	51.619	5,517	25,924	4,699	4,222
85	28.411	2,723	11,078	4,068	3,591	85	47.471	4,551	20,407	4,484	4,008
86	25.109	2,159	8,354	3,870	3,394	86	43.349	3,727	15,856	4,255	3,778
87	21.783	1,680	6,196	3,689	3,212	87	38.979	3,006	12,129	4,036	3,559
88	18.512	1,280	4,516	3,528	3,051	88	34.384	2,378	9,124	3,837	3,361
89	15.448	0,958	3,236	3,377	2,901	89	29.862	1,852	6,746	3,642	3,166
90	12.671	0,705	2,278	3,232	2,755	90	25.436	1,415	4,894	3,459	2,983
91	10.212	0,509	1,573	3,087	2,611	91	21.278	1,061	3,479	3,278	2,801
92	8.040	0,360	1,063	2,956	2,480	92	17.290	0,774	2,418	3,125	2,649
93	6.192	0,248	0,704	2,832	2,356	93	13.739	0,551	1,644	2,982	2,506
94	4.658	0,168	0,455	2,716	2,239	94	10.662	0,384	1,093	2,848	2,372
95	3.420	0,110	0,288	2,606	2,130	95	8.069	0,260	0,709	2,722	2,246
96	2.447	0,071	0,177	2,503	2,026	96	5.949	0,172	0,449	2,605	2,129
97	1.704	0,044	0,106	2,406	1,929	97	4.266	0,111	0,276	2,495	2,019
98	1.154	0,027	0,062	2,315	1,838	98	2.973	0,069	0,166	2,393	1,917
99	759	0,016	0,035	2,229	1,753	99	2.010	0,042	0,096	2,297	1,821
100	484	0,009	0,019	2,149	1,673	100	1316	0,025	0,054	2,208	1,732

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Rente
nach der Sterbetafel 2002/2004**

Zinsfuß 11,75%

x	l _x	D _x	N _x	ä _x	(12) ä _x	y	l _y	D _y	N _y	ä _y	(12) ä _y
0	100.000	100.000,000	944.749,033	9,447	8,971	0	100.000	100.000,000	946.273,277	9,463	8,986
1	99.544	89.077,199	844.749,033	9,483	9,007	1	99.620	89.145,688	846.273,277	9,493	9,017
2	99.504	79.678,937	755.671,834	9,484	9,007	2	99.585	79.743,858	757.127,589	9,494	9,018
3	99.484	71.286,707	675.992,897	9,483	9,006	3	99.565	71.345,048	677.383,731	9,494	9,018
4	99.465	63.779,600	604.706,189	9,481	9,005	4	99.548	63.832,485	606.038,683	9,494	9,018
5	99.452	57.065,814	540.926,589	9,479	9,002	5	99.535	57.113,415	542.206,198	9,493	9,017
6	99.438	51.058,612	483.860,776	9,477	9,000	6	99.522	51.101,520	485.092,783	9,493	9,016
7	99.427	45.684,708	432.802,163	9,474	8,997	7	99.513	45.724,216	433.991,263	9,491	9,015
8	99.415	40.876,123	387.117,455	9,471	8,994	8	99.504	40.912,961	388.267,047	9,490	9,013
9	99.403	36.573,837	346.241,332	9,467	8,990	9	99.495	36.607,636	347.354,086	9,489	9,012
10	99.393	32.725,203	309.667,496	9,463	8,986	10	99.488	32.756,395	310.746,450	9,487	9,010
11	99.384	29.281,546	276.942,293	9,458	8,981	11	99.480	29.309,745	277.990,055	9,485	9,008
12	99.370	26.198,940	247.660,747	9,453	8,976	12	99.470	26.225,500	248.680,310	9,482	9,006
13	99.357	23.441,180	221.461,807	9,448	8,971	13	99.462	23.466,016	222.454,810	9,480	9,003
14	99.344	20.973,728	198.020,627	9,441	8,965	14	99.452	20.996,637	198.988,795	9,477	9,001
15	99.326	18.764,974	177.046,899	9,435	8,958	15	99.441	18.786,748	177.992,157	9,474	8,998
16	99.302	16.787,962	158.281,925	9,428	8,952	16	99.423	16.808,404	159.205,409	9,472	8,995
17	99.264	15.017,031	141.493,963	9,422	8,946	17	99.402	15.037,892	142.397,006	9,469	8,993
18	99.214	13.431,248	126.476,932	9,417	8,940	18	99.380	13.453,766	127.359,114	9,466	8,990
19	99.139	12.009,897	113.045,685	9,413	8,936	19	99.352	12.035,702	113.905,348	9,464	8,987
20	99.059	10.738,456	101.035,788	9,409	8,932	20	99.324	10.767,217	101.869,646	9,461	8,984
21	98.983	9.602,051	90.297,332	9,404	8,927	21	99.293	9.632,050	91.102,429	9,458	8,982
22	98.906	8.585,702	80.695,281	9,399	8,922	22	99.268	8.617,176	81.470,379	9,454	8,978
23	98.831	7.677,162	72.109,579	9,393	8,916	23	99.241	7.709,031	72.853,203	9,450	8,974
24	98.758	6.864,852	64.432,417	9,386	8,909	24	99.216	6.896,662	65.144,172	9,446	8,969
25	98.686	6.138,587	57.567,566	9,378	8,901	25	99.189	6.169,833	58.247,509	9,441	8,964
26	98.614	5.489,124	51.428,979	9,369	8,893	26	99.164	5.519,745	52.077,676	9,435	8,958
27	98.544	4.908,455	45.939,855	9,359	8,883	27	99.136	4.937,986	46.557,931	9,429	8,952
28	98.473	4.389,213	41.031,399	9,348	8,872	28	99.108	4.417,492	41.619,945	9,422	8,945
29	98.401	3.924,820	36.642,187	9,336	8,859	29	99.078	3.951,840	37.202,453	9,414	8,937
30	98.331	3.509,673	32.717,367	9,322	8,845	30	99.049	3.535,287	33.250,614	9,405	8,929
31	98.260	3.138,352	29.207,694	9,307	8,830	31	99.017	3.162,532	29.715,327	9,396	8,919
32	98.182	2.806,151	26.069,342	9,290	8,813	32	98.981	2.828,995	26.552,795	9,386	8,909
33	98.102	2.509,040	23.263,190	9,272	8,795	33	98.946	2.530,639	23.723,800	9,375	8,898
34	98.016	2.243,257	20.754,150	9,252	8,775	34	98.907	2.263,649	21.193,161	9,362	8,886
35	97.922	2.005,471	18.510,893	9,230	8,754	35	98.860	2.024,687	18.929,512	9,349	8,873
36	97.819	1.792,727	16.505,422	9,207	8,730	36	98.810	1.810,873	16.904,825	9,335	8,859
37	97.709	1.602,419	14.712,695	9,182	8,705	37	98.754	1.619,552	15.093,952	9,320	8,843
38	97.591	1.432,200	13.110,276	9,154	8,677	38	98.693	1.448,375	13.474,400	9,303	8,826
39	97.457	1.279,844	11.678,076	9,125	8,648	39	98.624	1.295,178	12.026,026	9,285	8,809
40	97.306	1.143,510	10.398,232	9,093	8,617	40	98.545	1.158,068	10.730,848	9,266	8,790
41	97.139	1.021,512	9.254,722	9,060	8,583	41	98.459	1.035,401	9.572,779	9,245	8,769
42	96.954	912,369	8.233,210	9,024	8,547	42	98.362	925,618	8.537,378	9,223	8,747
43	96.740	814,637	7.320,841	8,987	8,510	43	98.252	827,362	7.611,760	9,200	8,723
44	96.501	727,177	6.506,205	8,947	8,471	44	98.124	739,407	6.784,399	9,175	8,699
45	96.242	648,972	5.779,028	8,905	8,428	45	97.987	660,741	6.044,991	9,149	8,672
46	95.946	578,948	5.130,057	8,861	8,384	46	97.832	590,329	5.384,250	9,121	8,644
47	95.620	516,316	4.551,108	8,815	8,338	47	97.656	527,310	4.793,921	9,091	8,615
48	95.262	460,296	4.034,792	8,766	8,289	48	97.466	470,948	4.266,611	9,060	8,583
49	94.873	410,216	3.574,496	8,714	8,237	49	97.260	420,537	3.795,662	9,026	8,549

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Rente
nach der Sterbetafel 2002/2004**

Zinsfuß 11,75%

x	l _x	D _x	N _x	ä _x	⁽¹²⁾ ä _x	y	l _y	D _y	N _y	ä _y	⁽¹²⁾ ä _y
50	94.447	365,436	3.164,280	8,659	8,182	50	97.026	375,414	3.375,125	8,990	8,514
51	93.979	325,392	2.798,843	8,601	8,125	51	96.781	335,092	2.999,712	8,952	8,475
52	93.492	289,670	2.473,451	8,539	8,062	52	96.512	299,026	2.664,620	8,911	8,434
53	92.944	257,692	2.183,781	8,474	7,998	53	96.220	266,776	2.365,594	8,867	8,391
54	92.360	229,148	1.926,089	8,405	7,929	54	95.916	237,972	2.098,818	8,820	8,343
55	91.733	203,662	1.696,941	8,332	7,856	55	95.583	212,209	1.860,847	8,769	8,292
56	91.046	180,883	1.493,280	8,255	7,779	56	95.221	189,177	1.648,638	8,715	8,238
57	90.333	160,597	1.312,396	8,172	7,695	57	94.838	168,607	1.459,460	8,656	8,179
58	89.551	142,467	1.151,800	8,085	7,608	58	94.415	150,205	1.290,854	8,594	8,117
59	88.698	126,272	1.009,333	7,993	7,517	59	93.960	133,764	1.140,649	8,527	8,051
60	87.765	111,808	883,060	7,898	7,421	60	93.483	119,091	1.006,885	8,455	7,978
61	86.777	98,925	771,253	7,796	7,320	61	92.968	105,983	887,793	8,377	7,900
62	85.735	87,460	672,327	7,687	7,211	62	92.445	94,305	781,811	8,290	7,814
63	84.580	77,210	584,867	7,575	7,098	63	91.863	83,859	687,505	8,198	7,722
64	83.358	68,093	507,657	7,455	6,979	64	91.238	74,531	603,647	8,099	7,623
65	82.042	59,972	439,563	7,329	6,853	65	90.571	66,206	529,116	7,992	7,515
66	80.606	52,726	379,591	7,199	6,723	66	89.831	58,761	462,910	7,878	7,401
67	79.063	46,280	326,865	7,063	6,586	67	89.018	52,107	404,148	7,756	7,280
68	77.370	40,526	280,585	6,924	6,447	68	88.113	46,154	352,042	7,628	7,151
69	75.541	35,408	240,059	6,780	6,303	69	87.105	40,829	305,888	7,492	7,015
70	73.595	30,869	204,651	6,630	6,153	70	85.994	36,070	265,059	7,349	6,872
71	71.497	26,836	173,782	6,476	5,999	71	84.772	31,818	228,990	7,197	6,720
72	69.245	23,258	146,946	6,318	5,842	72	83.397	28,011	197,172	7,039	6,562
73	66.807	20,080	123,688	6,160	5,683	73	81.894	24,614	169,161	6,873	6,396
74	64.216	17,271	103,609	5,999	5,522	74	80.225	21,577	144,547	6,699	6,222
75	61.490	14,799	86,337	5,834	5,357	75	78.399	18,869	122,970	6,517	6,040
76	58.647	12,631	71,538	5,664	5,187	76	76.367	16,447	104,101	6,329	5,853
77	55.721	10,739	58,907	5,485	5,009	77	74.156	14,292	87,653	6,133	5,657
78	52.671	9,084	48,168	5,303	4,826	78	71.743	12,373	73,362	5,929	5,453
79	49.474	7,635	39,085	5,119	4,642	79	69.084	10,662	60,989	5,720	5,244
80	46.179	6,377	31,449	4,931	4,455	80	66.178	9,139	50,327	5,507	5,030
81	42.747	5,283	25,072	4,746	4,269	81	62.954	7,780	41,188	5,294	4,817
82	39.238	4,339	19,789	4,561	4,084	82	59.445	6,574	33,408	5,082	4,605
83	35.555	3,518	15,450	4,391	3,915	83	55.604	5,502	26,834	4,877	4,400
84	31.932	2,828	11,932	4,220	3,743	84	51.619	4,571	21,331	4,667	4,190
85	28.411	2,251	9,104	4,044	3,567	85	47.471	3,762	16,760	4,456	3,979
86	25.109	1,781	6,853	3,849	3,372	86	43.349	3,074	12,999	4,229	3,752
87	21.783	1,382	5,072	3,669	3,193	87	38.979	2,473	9,925	4,013	3,536
88	18.512	1,051	3,690	3,510	3,034	88	34.384	1,952	7,451	3,816	3,340
89	15.448	0,785	2,639	3,362	2,885	89	29.862	1,517	5,499	3,624	3,147
90	12.671	0,576	1,854	3,217	2,741	90	25.436	1,157	3,982	3,443	2,966
91	10.212	0,416	1,278	3,075	2,598	91	21.278	0,866	2,825	3,263	2,786
92	8.040	0,293	0,862	2,945	2,468	92	17.290	0,630	1,959	3,112	2,635
93	6.192	0,202	0,569	2,822	2,345	93	13.739	0,448	1,330	2,970	2,494
94	4.658	0,136	0,368	2,706	2,230	94	10.662	0,311	0,882	2,837	2,361
95	3.420	0,089	0,232	2,597	2,121	95	8.069	0,211	0,571	2,713	2,236
96	2.447	0,057	0,143	2,495	2,018	96	5.949	0,139	0,361	2,596	2,120
97	1.704	0,036	0,085	2,399	1,922	97	4.266	0,089	0,222	2,488	2,011
98	1.154	0,022	0,050	2,308	1,832	98	2.973	0,056	0,133	2,386	1,909
99	759	0,013	0,028	2,224	1,747	99	2.010	0,034	0,077	2,291	1,815
100	484	0,007	0,016	2,144	1,667	100	1316	0,020	0,043	2,203	1,726

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Rente
nach der Sterbetafel 2002/2004**

Zinsfuß 12,00%

x	l _x	D _x	N _x	ä _x	⁽¹²⁾ ä _x	y	l _y	D _y	N _y	ä _y	⁽¹²⁾ ä _y
0	100.000	100.000,000	927.262,920	9,273	8,796	0	100.000	100.000,000	928.705,070	9,287	8,810
1	99.544	88.878,366	827.262,920	9,308	8,831	1	99.620	88.946,702	828.705,070	9,317	8,840
2	99.504	79.323,625	738.384,554	9,309	8,832	2	99.585	79.388,256	739.758,368	9,318	8,841
3	99.484	70.810,406	659.060,929	9,307	8,830	3	99.565	70.868,357	660.370,112	9,318	8,841
4	99.465	63.212,043	588.250,523	9,306	8,829	4	99.548	63.264,458	589.501,755	9,318	8,841
5	99.452	56.431,756	525.038,480	9,304	8,827	5	99.535	56.478,827	526.237,298	9,317	8,840
6	99.438	50.378,596	468.606,725	9,302	8,825	6	99.522	50.420,933	469.758,470	9,317	8,840
7	99.427	44.975,647	418.228,128	9,299	8,822	7	99.513	45.014,541	419.337,538	9,316	8,839
8	99.415	40.151,869	373.252,481	9,296	8,819	8	99.504	40.188,055	374.322,996	9,314	8,837
9	99.403	35.845,621	333.100,612	9,293	8,816	9	99.495	35.878,747	334.134,942	9,313	8,836
10	99.393	32.002,023	297.254,992	9,289	8,812	10	99.488	32.032,526	298.256,194	9,311	8,834
11	99.384	28.570,550	265.252,968	9,284	8,807	11	99.480	28.598,064	266.223,669	9,309	8,832
12	99.370	25.505,734	236.682,418	9,280	8,803	12	99.470	25.531,591	237.625,604	9,307	8,830
13	99.357	22.770,003	211.176,684	9,274	8,797	13	99.462	22.794,128	212.094,013	9,305	8,828
14	99.344	20.327,724	188.406,681	9,268	8,791	14	99.452	20.349,928	189.299,885	9,302	8,825
15	99.326	18.146,405	168.078,957	9,262	8,785	15	99.441	18.167,461	168.949,957	9,300	8,823
16	99.302	16.198,326	149.932,552	9,256	8,779	16	99.423	16.218,049	150.782,496	9,297	8,820
17	99.264	14.457,251	133.734,226	9,250	8,773	17	99.402	14.477,335	134.564,446	9,295	8,818
18	99.214	12.901,717	119.276,975	9,245	8,768	18	99.380	12.923,348	120.087,112	9,292	8,815
19	99.139	11.510,653	106.375,258	9,241	8,764	19	99.352	11.535,385	107.163,764	9,290	8,813
20	99.059	10.269,091	94.864,605	9,238	8,761	20	99.324	10.296,596	95.628,379	9,287	8,810
21	98.983	9.161,861	84.595,514	9,233	8,756	21	99.293	9.190,485	85.331,784	9,285	8,808
22	98.906	8.173,819	75.433,653	9,229	8,752	22	99.268	8.203,783	76.141,298	9,281	8,804
23	98.831	7.292,550	67.259,834	9,223	8,746	23	99.241	7.322,823	67.937,516	9,278	8,801
24	98.758	6.506,379	59.967,284	9,217	8,740	24	99.216	6.536,529	60.614,693	9,273	8,796
25	98.686	5.805,052	53.460,905	9,209	8,732	25	99.189	5.834,601	54.078,164	9,269	8,792
26	98.614	5.179,291	47.655,853	9,201	8,724	26	99.164	5.208,183	48.243,563	9,263	8,786
27	98.544	4.621,060	42.476,562	9,192	8,715	27	99.136	4.648,862	43.035,380	9,257	8,780
28	98.473	4.122,996	37.855,502	9,182	8,705	28	99.108	4.149,560	38.386,519	9,251	8,774
29	98.401	3.678,540	33.732,506	9,170	8,693	29	99.078	3.703,864	34.236,959	9,244	8,767
30	98.331	3.282,101	30.053,966	9,157	8,680	30	99.049	3.306,054	30.533,095	9,236	8,759
31	98.260	2.928,306	26.771,866	9,142	8,665	31	99.017	2.950,867	27.227,041	9,227	8,750
32	98.182	2.612,495	23.843,559	9,127	8,650	32	98.981	2.633,762	24.276,174	9,217	8,740
33	98.102	2.330,673	21.231,065	9,109	8,632	33	98.946	2.350,737	21.642,412	9,207	8,730
34	98.016	2.079,133	18.900,391	9,091	8,614	34	98.907	2.098,033	19.291,675	9,195	8,718
35	97.922	1.854,596	16.821,258	9,070	8,593	35	98.860	1.872,366	17.193,642	9,183	8,706
36	97.819	1.654,156	14.966,663	9,048	8,571	36	98.810	1.670,899	15.321,276	9,169	8,692
37	97.709	1.475,258	13.312,507	9,024	8,547	37	98.754	1.491,031	13.650,376	9,155	8,678
38	97.591	1.315,603	11.837,249	8,998	8,521	38	98.693	1.330,461	12.159,345	9,139	8,662
39	97.457	1.173,027	10.521,645	8,970	8,493	39	98.624	1.187,081	10.828,884	9,122	8,645
40	97.306	1.045,731	9.348,618	8,940	8,463	40	98.545	1.059,045	9.641,803	9,104	8,627
41	97.139	932,081	8.302,887	8,908	8,431	41	98.459	944,754	8.582,758	9,085	8,608
42	96.954	830,634	7.370,806	8,874	8,397	42	98.362	842,696	7.638,004	9,064	8,587
43	96.740	740,002	6.540,172	8,838	8,361	43	98.252	751,561	6.795,308	9,042	8,565
44	96.501	659,080	5.800,170	8,800	8,323	44	98.124	670,166	6.043,747	9,018	8,541
45	96.242	586,886	5.141,090	8,760	8,283	45	97.987	597,529	5.373,581	8,993	8,516
46	95.946	522,393	4.554,204	8,718	8,241	46	97.832	532,662	4.776,052	8,966	8,489
47	95.620	464,839	4.031,812	8,674	8,197	47	97.656	474,737	4.243,390	8,938	8,461
48	95.262	413,479	3.566,973	8,627	8,150	48	97.466	423,048	3.768,653	8,908	8,431
49	94.873	367,671	3.153,493	8,577	8,100	49	97.260	376,921	3.345,605	8,876	8,399

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Rente
nach der Sterbetafel 2002/2004**

Zinsfuß 12,00%

x	l _x	D _x	N _x	ä _x	⁽¹²⁾ ä _x	y	l _y	D _y	N _y	ä _y	⁽¹²⁾ ä _y
50	94.447	326,804	2.785,823	8,524	8,047	50	97.026	335,726	2.968,684	8,843	8,366
51	93.979	290,343	2.459,019	8,469	7,992	51	96.781	298,998	2.632,957	8,806	8,329
52	93.492	257,892	2.168,675	8,409	7,932	52	96.512	266,221	2.333,959	8,767	8,290
53	92.944	228,910	1.910,783	8,347	7,870	53	96.220	236,979	2.067,737	8,725	8,248
54	92.360	203,100	1.681,873	8,281	7,804	54	95.916	210,920	1.830,758	8,680	8,203
55	91.733	180,108	1.478,773	8,210	7,733	55	95.583	187,667	1.619,838	8,631	8,154
56	91.046	159,607	1.298,666	8,137	7,660	56	95.221	166,925	1.432,171	8,580	8,103
57	90.333	141,390	1.139,059	8,056	7,579	57	94.838	148,442	1.265,246	8,524	8,047
58	89.551	125,149	997,669	7,972	7,495	58	94.415	131,946	1.116,804	8,464	7,987
59	88.698	110,675	872,520	7,884	7,407	59	93.960	117,241	984,858	8,400	7,923
60	87.765	97,778	761,845	7,792	7,315	60	93.483	104,148	867,617	8,331	7,854
61	86.777	86,319	664,067	7,693	7,216	61	92.968	92,477	763,469	8,256	7,779
62	85.735	76,145	577,748	7,587	7,110	62	92.445	82,104	670,992	8,172	7,695
63	84.580	67,071	501,603	7,479	7,002	63	91.863	72,846	588,888	8,084	7,607
64	83.358	59,019	434,532	7,363	6,886	64	91.238	64,599	516,042	7,988	7,511
65	82.042	51,864	375,513	7,240	6,763	65	90.571	57,256	451,443	7,885	7,408
66	80.606	45,496	323,649	7,114	6,637	66	89.831	50,704	394,187	7,774	7,297
67	79.063	39,844	278,153	6,981	6,504	67	89.018	44,861	343,484	7,657	7,180
68	77.370	34,813	238,308	6,845	6,368	68	88.113	39,647	298,623	7,532	7,055
69	75.541	30,349	203,495	6,705	6,228	69	87.105	34,995	258,975	7,400	6,923
70	73.595	26,399	173,146	6,559	6,082	70	85.994	30,847	223,981	7,261	6,784
71	71.497	22,898	146,747	6,409	5,932	71	84.772	27,150	193,134	7,114	6,637
72	69.245	19,801	123,849	6,255	5,778	72	83.397	23,848	165,984	6,960	6,483
73	66.807	17,057	104,048	6,100	5,623	73	81.894	20,909	142,136	6,798	6,321
74	64.216	14,639	86,990	5,942	5,465	74	80.225	18,288	121,227	6,629	6,152
75	61.490	12,516	72,351	5,781	5,304	75	78.399	15,957	102,938	6,451	5,974
76	58.647	10,658	59,836	5,614	5,137	76	76.367	13,878	86,981	6,267	5,790
77	55.721	9,041	49,178	5,439	4,962	77	74.156	12,033	73,103	6,075	5,598
78	52.671	7,631	40,136	5,260	4,783	78	71.743	10,394	61,070	5,876	5,399
79	49.474	6,400	32,506	5,079	4,602	79	69.084	8,936	50,676	5,671	5,194
80	46.179	5,333	26,106	4,895	4,418	80	66.178	7,643	41,740	5,461	4,984
81	42.747	4,408	20,773	4,712	4,235	81	62.954	6,492	34,097	5,252	4,775
82	39.238	3,613	16,365	4,530	4,053	82	59.445	5,473	27,605	5,044	4,567
83	35.555	2,923	12,752	4,363	3,886	83	55.604	4,571	22,132	4,842	4,365
84	31.932	2,344	9,829	4,194	3,717	84	51.619	3,789	17,561	4,635	4,158
85	28.411	1,862	7,485	4,020	3,543	85	47.471	3,111	13,772	4,427	3,950
86	25.109	1,469	5,623	3,828	3,351	86	43.349	2,536	10,661	4,203	3,726
87	21.783	1,138	4,154	3,650	3,173	87	38.979	2,036	8,125	3,990	3,513
88	18.512	0,864	3,016	3,493	3,016	88	34.384	1,604	6,088	3,796	3,319
89	15.448	0,643	2,153	3,346	2,869	89	29.862	1,244	4,484	3,606	3,129
90	12.671	0,471	1,509	3,203	2,726	90	25.436	0,946	3,241	3,426	2,949
91	10.212	0,339	1,038	3,062	2,585	91	21.278	0,706	2,295	3,249	2,772
92	8.040	0,238	0,699	2,933	2,456	92	17.290	0,513	1,588	3,099	2,622
93	6.192	0,164	0,461	2,812	2,335	93	13.739	0,364	1,076	2,959	2,482
94	4.658	0,110	0,297	2,697	2,220	94	10.662	0,252	0,712	2,827	2,350
95	3.420	0,072	0,187	2,589	2,112	95	8.069	0,170	0,460	2,704	2,227
96	2.447	0,046	0,115	2,487	2,010	96	5.949	0,112	0,290	2,588	2,111
97	1.704	0,029	0,069	2,392	1,915	97	4.266	0,072	0,178	2,480	2,003
98	1.154	0,017	0,040	2,302	1,825	98	2.973	0,045	0,106	2,379	1,902
99	759	0,010	0,023	2,218	1,741	99	2.010	0,027	0,062	2,285	1,808
100	484	0,006	0,012	2,139	1,662	100	1316	0,016	0,035	2,197	1,720

**Kommutationszahlen und Versicherungsbarwerte
einer lebenslänglich, jährlich und monatlich
vorschüssig zahlbaren Verbindungsrente**

Notation

x	Alter des Mannes
y	Alter der Frau
l_{xy}	Lebende gemäß Sterbetafel
D_{xy}	Diskontierte Zahl der Lebenden
N_{xy}	Erste Summe der diskontierten Zahlen der Lebenden
\ddot{a}_{xy}	Barwert der sofort beginnenden und lebenslänglich, <i>jährlich</i> vorschüssig zahlbaren Verbindungsrente „1“ auf das <i>kürzere Leben</i>
$^{(12)}\ddot{a}_{xy}$	Barwert der sofort beginnenden und lebenslänglich, <i>monatlich</i> vorschüssig zahlbaren Verbindungsrente „1“ auf das <i>kürzere Leben</i>

Hinweis: zur Berechnung der Verbindungsrente auf das *längere Leben* (bis zum Tod der letztversterbenden Person) siehe Abschnitt 3.6 in den Erläuterungen - bei Weiterzahlung der Leibrente in *voller Höhe* errechnet sich der Barwert der Verbindungsrente auf das *längere Leben* wie folgt:

$$\ddot{a}_x + \ddot{a}_y - \ddot{a}_{xy} \text{ (jährlich vorschüssig)}$$

$$^{(12)}\ddot{a}_x + ^{(12)}\ddot{a}_y - ^{(12)}\ddot{a}_{xy} \text{ (monatlich vorschüssig)}$$

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 0 Jahre

Zinsfuß 1,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	0	100.000	100.000,000	5.081.105,521	50,811	50,351	50	50	91.638	55.719,410	1.216.380,995	21,830	21,370
1	1	99.166	98.183,969	4.981.105,521	50,732	50,272	51	51	90.953	54.755,660	1.160.661,585	21,197	20,737
2	2	99.090	97.137,776	4.882.921,553	50,268	49,808	52	52	90.231	53.782,872	1.105.905,925	20,562	20,102
3	3	99.051	96.137,641	4.785.783,777	49,781	49,321	53	53	89.431	52.778,020	1.052.123,053	19,935	19,475
4	4	99.016	95.152,084	4.689.646,135	49,286	48,826	54	54	88.588	51.763,046	999.345,034	19,306	18,846
5	5	98.990	94.185,184	4.594.494,052	48,781	48,322	55	55	87.680	50.725,496	947.581,988	18,681	18,221
6	6	98.963	93.227,699	4.500.308,868	48,272	47,812	56	56	86.694	49.658,557	896.856,492	18,060	17,600
7	7	98.942	92.285,390	4.407.081,169	47,755	47,295	57	57	85.670	48.586,000	847.197,935	17,437	16,977
8	8	98.922	91.352,434	4.314.795,779	47,232	46,772	58	58	84.550	47.475,869	798.611,936	16,821	16,361
9	9	98.900	90.428,519	4.223.443,345	46,705	46,245	59	59	83.341	46.333,638	751.136,067	16,211	15,751
10	10	98.885	89.519,023	4.133.014,826	46,169	45,709	60	60	82.046	45.161,924	704.802,429	15,606	15,146
11	11	98.867	88.616,915	4.043.495,803	45,629	45,169	61	61	80.675	43.968,011	659.640,505	15,003	14,543
12	12	98.844	87.718,618	3.954.878,887	45,086	44,626	62	62	79.258	42.767,773	615.672,493	14,396	13,936
13	13	98.822	86.831,399	3.867.160,270	44,536	44,076	63	63	77.698	41.511,081	572.904,721	13,801	13,341
14	14	98.800	85.952,207	3.780.328,870	43,982	43,522	64	64	76.054	40.230,630	531.393,639	13,209	12,749
15	15	98.770	85.075,580	3.694.376,663	43,425	42,965	65	65	74.307	38.916,994	491.163,009	12,621	12,161
16	16	98.729	84.198,331	3.609.301,084	42,867	42,407	66	66	72.409	37.547,676	452.246,015	12,045	11,585
17	17	98.670	83.315,107	3.525.102,752	42,310	41,851	67	67	70.380	36.134,326	414.698,339	11,477	11,017
18	18	98.599	82.430,254	3.441.787,645	41,754	41,294	68	68	68.173	34.654,345	378.564,013	10,924	10,464
19	19	98.496	81.528,754	3.359.357,391	41,205	40,745	69	69	65.800	33.116,961	343.909,668	10,385	9,925
20	20	98.389	80.634,167	3.277.828,637	40,651	40,191	70	70	63.288	31.537,135	310.792,707	9,855	9,395
21	21	98.283	79.749,915	3.197.194,470	40,090	39,630	71	71	60.609	29.903,251	279.255,573	9,339	8,879
22	22	98.182	78.879,096	3.117.444,555	39,522	39,062	72	72	57.749	28.209,945	249.352,322	8,839	8,379
23	23	98.081	78.018,103	3.038.565,459	38,947	38,487	73	73	54.711	26.461,501	221.142,377	8,357	7,897
24	24	97.983	77.168,253	2.960.547,356	38,365	37,905	74	74	51.518	24.670,328	194.680,875	7,891	7,431
25	25	97.886	76.328,031	2.883.379,103	37,776	37,316	75	75	48.208	22.856,664	170.010,547	7,438	6,978
26	26	97.790	75.498,447	2.807.051,073	37,180	36,720	76	76	44.787	21.024,416	147.153,883	6,999	6,539
27	27	97.693	74.676,566	2.731.552,626	36,578	36,118	77	77	41.321	19.205,280	126.129,467	6,567	6,107
28	28	97.594	73.862,786	2.656.876,060	35,970	35,510	78	78	37.788	17.389,564	106.924,187	6,149	5,689
29	29	97.494	73.056,026	2.583.013,273	35,357	34,897	79	79	34.179	15.572,866	89.534,624	5,749	5,289
30	30	97.396	72.260,667	2.509.957,248	34,735	34,275	80	80	30.561	13.786,488	73.961,758	5,365	4,905
31	31	97.293	71.469,538	2.437.696,581	34,108	33,648	81	81	26.911	12.020,007	60.175,269	5,006	4,546
32	32	97.182	70.680,783	2.366.227,043	33,478	33,018	82	82	23.325	10.314,931	48.155,262	4,669	4,209
33	33	97.068	69.898,778	2.295.546,259	32,841	32,381	83	83	19.770	8.656,148	37.840,331	4,371	3,912
34	34	96.944	69.118,373	2.225.647,481	32,201	31,741	84	84	16.483	7.145,594	29.184,183	4,084	3,624
35	35	96.806	68.336,620	2.156.529,108	31,557	31,097	85	85	13.487	5.788,884	22.038,589	3,807	3,347
36	36	96.655	67.554,611	2.088.192,488	30,911	30,451	86	86	10.885	4.625,715	16.249,705	3,513	3,053
37	37	96.491	66.772,472	2.020.637,877	30,262	29,802	87	87	8.491	3.572,676	11.623,990	3,254	2,794
38	38	96.316	65.990,994	1.953.865,406	29,608	29,148	88	88	6.365	2.651,744	8.051,314	3,036	2,576
39	39	96.116	65.201,944	1.887.874,411	28,954	28,494	89	89	4.613	1.902,796	5.399,570	2,838	2,378
40	40	95.891	64.405,299	1.822.672,467	28,300	27,840	90	90	3.223	1.316,186	3.496,774	2,657	2,197
41	41	95.642	63.602,421	1.758.267,169	27,645	27,185	91	91	2.173	878,638	2.180,588	2,482	2,022
42	42	95.366	62.790,937	1.694.664,747	26,989	26,529	92	92	1.390	556,551	1.301,950	2,339	1,879
43	43	95.049	61.962,362	1.631.873,810	26,337	25,877	93	93	851	337,191	745,400	2,211	1,751
44	44	94.691	61.117,567	1.569.911,449	25,687	25,227	94	94	497	194,910	408,209	2,094	1,634
45	45	94.305	60.266,089	1.508.793,882	25,036	24,576	95	95	276	107,224	213,298	1,989	1,529
46	46	93.866	59.391,444	1.448.527,793	24,390	23,930	96	96	146	55,996	106,075	1,894	1,434
47	47	93.379	58.498,564	1.389.136,349	23,747	23,287	97	97	73	27,691	50,079	1,808	1,348
48	48	92.848	57.590,078	1.330.637,784	23,105	22,645	98	98	34	12,935	22,387	1,731	1,271
49	49	92.273	56.666,712	1.273.047,707	22,466	22,006	99	99	15	5,693	9,453	1,661	1,201
							100	100	6	2,355	3,760	1,597	1,137

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -1 Jahr

Zinsfuß 1,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	1	99.620	99.620,306	5.062.341,492	50,816	50,356	50	51	91.406	55.578,627	1.199.752,031	21,587	21,127
1	2	99.130	98.148,805	4.962.721,185	50,563	50,103	51	52	90.701	54.603,590	1.144.173,404	20,954	20,494
2	3	99.071	97.118,571	4.864.572,381	50,089	49,629	52	53	89.958	53.620,275	1.089.569,814	20,320	19,860
3	4	99.034	96.121,139	4.767.453,810	49,598	49,138	53	54	89.148	52.611,371	1.035.949,539	19,691	19,231
4	5	99.003	95.139,794	4.671.332,671	49,100	48,640	54	55	88.280	51.583,002	983.338,168	19,063	18,603
5	6	98.977	94.172,872	4.576.192,876	48,594	48,134	55	56	87.348	50.533,405	931.755,166	18,438	17,978
6	7	98.954	93.219,108	4.482.020,004	48,080	47,621	56	57	86.346	49.459,192	881.221,761	17,817	17,357
7	8	98.934	92.277,353	4.388.800,896	47,561	47,101	57	58	85.288	48.369,156	831.762,570	17,196	16,736
8	9	98.912	91.343,665	4.296.523,543	47,037	46,577	58	59	84.143	47.247,243	783.393,413	16,581	16,121
9	10	98.894	90.422,676	4.205.179,878	46,506	46,046	59	60	82.917	46.098,088	736.146,170	15,969	15,509
10	11	98.876	89.511,496	4.114.757,203	45,969	45,509	60	61	81.594	44.913,341	690.048,082	15,364	14,904
11	12	98.858	88.608,605	4.025.245,707	45,427	44,967	61	62	80.221	43.720,588	645.134,741	14,756	14,296
12	13	98.835	87.711,168	3.936.637,102	44,882	44,422	62	63	78.759	42.498,640	601.414,153	14,151	13,691
13	14	98.813	86.822,986	3.848.925,934	44,331	43,871	63	64	77.170	41.228,730	558.915,514	13,556	13,096
14	15	98.788	85.942,191	3.762.102,948	43,775	43,315	64	65	75.498	39.936,431	517.686,784	12,963	12,503
15	16	98.752	85.060,379	3.676.160,757	43,218	42,758	65	66	73.700	38.599,144	477.750,353	12,377	11,917
16	17	98.708	84.180,500	3.591.100,377	42,660	42,200	66	67	71.753	37.207,623	439.151,209	11,803	11,343
17	18	98.649	83.296,776	3.506.919,877	42,102	41,642	67	68	69.665	35.767,021	401.943,586	11,238	10,778
18	19	98.570	82.406,548	3.423.623,101	41,546	41,086	68	69	67.393	34.257,983	366.176,565	10,689	10,229
19	20	98.468	81.506,154	3.341.216,553	40,993	40,533	69	70	64.960	32.694,449	331.918,582	10,152	9,692
20	21	98.358	80.608,698	3.259.710,399	40,439	39,979	70	71	62.388	31.088,880	299.224,133	9,625	9,165
21	22	98.259	79.730,403	3.179.101,701	39,873	39,413	71	72	59.626	29.418,451	268.135,253	9,115	8,655
22	23	98.155	78.857,740	3.099.371,299	39,303	38,843	72	73	56.707	27.701,345	238.716,802	8,618	8,158
23	24	98.056	77.997,748	3.020.513,559	38,726	38,266	73	74	53.596	25.922,418	211.015,457	8,140	7,680
24	25	97.957	77.147,288	2.942.515,811	38,142	37,682	74	75	50.345	24.108,789	185.093,039	7,677	7,217
25	26	97.861	76.309,249	2.865.368,523	37,549	37,089	75	76	46.958	22.264,047	160.984,249	7,231	6,771
26	27	97.762	75.477,311	2.789.059,274	36,952	36,492	76	77	43.990	20.415,794	138.720,202	6,795	6,335
27	28	97.664	74.654,803	2.713.581,963	36,348	35,888	77	78	39.976	18.580,484	118.304,408	6,367	5,907
28	29	97.565	73.840,862	2.638.927,161	35,738	35,278	78	79	36.388	16.745,070	99.723,924	5,955	5,495
29	30	97.465	73.034,642	2.565.086,299	35,122	34,662	79	80	32.741	14.917,776	82.978,855	5,562	5,102
30	31	97.365	72.237,007	2.492.051,657	34,498	34,038	80	81	29.072	13.114,888	68.061,079	5,190	4,730
31	32	97.259	71.444,009	2.419.814,650	33,870	33,410	81	82	25.411	11.349,965	54.946,191	4,841	4,381
32	33	97.147	70.655,651	2.348.370,641	33,237	32,777	82	83	21.818	9.648,338	43.596,226	4,519	4,059
33	34	97.029	69.870,848	2.277.714,990	32,599	32,139	83	84	18.353	8.035,866	33.947,888	4,225	3,765
34	35	96.898	69.085,969	2.207.844,142	31,958	31,498	84	85	15.158	6.571,363	25.912,022	3,943	3,483
35	36	96.756	68.301,634	2.138.758,173	31,313	30,853	85	86	12.316	5.286,266	19.340,658	3,659	3,199
36	37	96.600	67.516,412	2.070.456,538	30,666	30,206	86	87	9.787	4.159,376	14.054,392	3,379	2,919
37	38	96.432	66.731,526	2.002.940,126	30,015	29,555	87	88	7.490	3.151,538	9.895,016	3,140	2,680
38	39	96.248	65.944,833	1.936.208,601	29,361	28,901	88	89	5.528	2.302,968	6.743,478	2,928	2,468
39	40	96.039	65.149,765	1.870.263,768	28,707	28,247	89	90	3.929	1.620,754	4.440,511	2,740	2,280
40	41	95.807	64.349,267	1.805.114,003	28,052	27,592	90	91	2.696	1.101,040	2.819,756	2,561	2,101
41	42	95.548	63.539,551	1.740.764,736	27,397	26,937	91	92	1.766	713,981	1.718,717	2,407	1,947
42	43	95.259	62.720,318	1.677.225,184	26,741	26,281	92	93	1.105	442,241	1.004,735	2,272	1,812
43	44	94.926	61.881,933	1.614.504,867	26,090	25,630	93	94	660	261,663	562,495	2,150	1,690
44	45	94.559	61.032,491	1.552.622,934	25,439	24,979	94	95	376	147,520	300,831	2,039	1,579
45	46	94.155	60.170,507	1.491.590,443	24,789	24,329	95	96	203	79,048	153,312	1,939	1,479
46	47	93.697	59.284,778	1.431.419,936	24,145	23,685	96	97	104	40,158	74,264	1,849	1,389
47	48	93.198	58.384,805	1.372.135,158	23,502	23,042	97	98	51	19,294	34,106	1,768	1,308
48	49	92.651	57.467,991	1.313.750,353	22,861	22,401	98	99	23	8,744	14,812	1,694	1,234
49	50	92.051	56.530,331	1.256.282,362	22,223	21,763	99	100	10	3,729	6,068	1,627	1,167
							100	101	4	1,493	2,338	1,567	1,107

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -2 Jahre

Zinsfuß 1,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	2	99.585	99.584,628	5.042.662,311	50,637	50,177	50	52	91.153	55.424,272	1.181.992,095	21,326	20,866
1	3	99.111	98.129,400	4.943.077,683	50,373	49,913	51	53	90.427	54.438,513	1.126.567,823	20,694	20,234
2	4	99.054	97.101,901	4.844.948,284	49,896	49,436	52	54	89.674	53.450,967	1.072.129,310	20,058	19,598
3	5	99.021	96.108,725	4.747.846,383	49,401	48,941	53	55	88.838	52.428,376	1.018.678,343	19,430	18,970
4	6	98.990	95.127,358	4.651.737,658	48,900	48,440	54	56	87.945	51.387,664	966.249,968	18,803	18,343
5	7	98.968	94.164,194	4.556.610,301	48,390	47,930	55	57	86.998	50.330,528	914.862,304	18,177	17,717
6	8	98.945	93.210,990	4.462.446,106	47,875	47,415	56	58	85.961	49.238,451	864.531,776	17,558	17,098
7	9	98.924	92.268,495	4.369.235,116	47,353	46,894	57	59	84.877	48.136,228	815.293,325	16,937	16,477
8	10	98.906	91.337,763	4.276.966,622	46,826	46,366	58	60	83.715	47.007,048	767.157,097	16,320	15,860
9	11	98.886	90.415,072	4.185.628,859	46,293	45,834	59	61	82.461	45.844,352	720.150,048	15,709	15,249
10	12	98.867	89.503,101	4.095.213,787	45,755	45,295	60	62	81.135	44.660,598	674.305,696	15,098	14,638
11	13	98.849	88.601,080	4.005.710,686	45,211	44,751	61	63	79.716	43.445,459	629.645,098	14,493	14,033
12	14	98.826	87.702,669	3.917.109,606	44,664	44,204	62	64	78.223	42.209,571	586.199,639	13,888	13,428
13	15	98.801	86.812,869	3.829.406,937	44,111	43,651	63	65	76.605	40.927,232	543.990,068	13,292	12,832
14	16	98.771	85.926,836	3.742.594,068	43,556	43,096	64	66	74.882	39.610,255	503.062,837	12,700	12,240
15	17	98.732	85.042,366	3.656.667,232	42,998	42,538	65	67	73.032	38.249,568	463.452,582	12,117	11,657
16	18	98.687	84.161,979	3.571.624,866	42,438	41,978	66	68	71.024	36.829,407	425.203,014	11,545	11,085
17	19	98.620	83.272,820	3.487.462,887	41,880	41,420	67	69	68.868	35.357,933	388.373,606	10,984	10,524
18	20	98.543	82.383,704	3.404.190,066	41,321	40,861	68	70	66.533	33.820,914	353.015,673	10,438	9,978
19	21	98.437	81.480,410	3.321.806,362	40,768	40,308	69	71	64.037	32.229,745	319.194,759	9,904	9,444
20	22	98.334	80.588,975	3.240.325,953	40,208	39,748	70	72	61.377	30.584,859	286.965,015	9,383	8,923
21	23	98.233	79.708,816	3.159.736,977	39,641	39,181	71	73	58.551	28.888,063	256.380,156	8,875	8,415
22	24	98.130	78.837,166	3.080.028,161	39,068	38,608	72	74	55.552	27.137,003	227.492,093	8,383	7,923
23	25	98.029	77.976,558	3.001.190,995	38,488	38,028	73	75	52.376	25.332,380	200.355,090	7,909	7,449
24	26	97.932	77.128,304	2.923.214,438	37,901	37,441	74	76	49.040	23.483,708	175.022,710	7,453	6,993
25	27	97.834	76.287,886	2.846.086,133	37,307	36,847	75	77	45.598	21.619,540	151.539,002	7,009	6,549
26	28	97.734	75.455,314	2.769.798,248	36,708	36,248	76	78	42.075	19.751,617	129.919,462	6,578	6,118
27	29	97.635	74.632,644	2.694.342,934	36,101	35,641	77	79	38.495	17.891,852	110.167,845	6,157	5,697
28	30	97.537	73.819,248	2.619.710,290	35,488	35,028	78	80	34.857	16.040,669	92.275,994	5,753	5,293
29	31	97.433	73.010,729	2.545.891,042	34,870	34,410	79	81	31.146	14.191,066	76.235,325	5,372	4,912
30	32	97.330	72.211,204	2.472.880,313	34,245	33,785	80	82	27.451	12.383,813	62.044,259	5,010	4,550
31	33	97.224	71.418,605	2.400.669,109	33,614	33,154	81	83	23.769	10.616,484	49.660,445	4,678	4,218
32	34	97.109	70.627,419	2.329.250,504	32,979	32,519	82	84	20.254	8.956,958	39.043,962	4,359	3,899
33	35	96.983	69.838,091	2.258.623,086	32,341	31,881	83	85	16.878	7.390,092	30.087,004	4,071	3,611
34	36	96.849	69.050,600	2.188.784,994	31,698	31,238	84	86	13.842	6.000,807	22.696,912	3,782	3,322
35	37	96.702	68.263,013	2.119.734,394	31,052	30,592	85	87	11.074	4.753,334	16.696,105	3,513	3,053
36	38	96.541	67.475,009	2.051.471,382	30,403	29,943	86	88	8.634	3.669,079	11.942,771	3,255	2,795
37	39	96.365	66.684,846	1.983.996,372	29,752	29,292	87	89	6.505	2.737,025	8.273,692	3,023	2,563
38	40	96.171	65.892,060	1.917.311,526	29,098	28,638	88	90	4.709	1.961,611	5.536,667	2,823	2,363
39	41	95.955	65.093,086	1.851.419,467	28,443	27,983	89	91	3.287	1.355,823	3.575,056	2,637	2,177
40	42	95.713	64.285,659	1.786.326,380	27,787	27,327	90	92	2.191	894,705	2.219,233	2,480	2,020
41	43	95.440	63.468,090	1.722.040,722	27,132	26,672	91	93	1.403	567,337	1.324,529	2,335	1,875
42	44	95.135	62.638,905	1.658.572,631	26,478	26,018	92	94	857	343,183	757,192	2,206	1,746
43	45	94.793	61.795,793	1.595.933,726	25,826	25,366	93	95	500	198,042	414,009	2,091	1,631
44	46	94.409	60.935,693	1.534.137,933	25,176	24,716	94	96	277	108,755	215,967	1,986	1,526
45	47	93.986	60.062,442	1.473.202,240	24,528	24,068	95	97	146	56,690	107,212	1,891	1,431
46	48	93.515	59.169,490	1.413.139,799	23,883	23,423	96	98	73	27,980	50,521	1,806	1,346
47	49	93.000	58.261,033	1.353.970,309	23,240	22,780	97	99	34	13,043	22,541	1,728	1,268
48	50	92.428	57.329,681	1.295.709,275	22,601	22,141	98	100	15	5,728	9,498	1,658	1,198
49	51	91.818	56.387,500	1.238.379,594	21,962	21,502	99	101	6	2,364	3,770	1,595	1,135
							100	102	2	0,915	1,406	1,537	1,077

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -3 Jahre

Zinsfuß 1,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	3	99.565	99.564,939	5.021.686,636	50,436	49,976	50	53	90.877	55.256,713	1.163.079,150	21,049	20,589
1	4	99.094	98.112,556	4.922.121,697	50,168	49,708	51	54	90.141	54.266,621	1.107.822,437	20,414	19,954
2	5	99.041	97.089,359	4.824.009,141	49,686	49,226	52	55	89.362	53.265,051	1.053.555,816	19,779	19,320
3	6	99.008	96.096,161	4.726.919,781	49,189	48,729	53	56	88.502	52.229,837	1.000.290,765	19,152	18,692
4	7	98.981	95.118,592	4.630.823,620	48,685	48,225	54	57	87.592	51.181,357	948.060,928	18,524	18,064
5	8	98.959	94.155,993	4.535.705,028	48,172	47,712	55	58	86.609	50.105,898	896.879,571	17,900	17,440
6	9	98.936	93.202,042	4.441.549,035	47,655	47,195	56	59	85.547	49.001,337	846.773,673	17,281	16,821
7	10	98.918	92.262,533	4.348.346,992	47,130	46,670	57	60	84.446	47.891,514	797.772,336	16,658	16,198
8	11	98.897	91.330,082	4.256.084,459	46,601	46,141	58	61	83.254	46.748,309	749.880,822	16,041	15,581
9	12	98.876	90.406,593	4.164.754,377	46,067	45,607	59	62	81.997	45.586,370	703.132,513	15,424	14,964
10	13	98.859	89.495,500	4.074.347,785	45,526	45,066	60	63	80.624	44.379,554	657.546,142	14,816	14,356
11	14	98.840	88.592,495	3.984.852,285	44,980	44,520	61	64	79.174	43.149,950	613.166,589	14,210	13,750
12	15	98.814	87.692,450	3.896.259,790	44,431	43,971	62	65	77.651	41.900,900	570.016,639	13,604	13,144
13	16	98.783	86.797,358	3.808.567,340	43,879	43,419	63	66	75.980	40.592,964	528.115,739	13,010	12,550
14	17	98.750	85.908,639	3.721.769,981	43,322	42,862	64	67	74.204	39.251,522	487.522,775	12,420	11,961
15	18	98.710	85.023,655	3.635.861,343	42,763	42,303	65	68	72.290	37.860,761	448.271,254	11,840	11,380
16	19	98.658	84.137,775	3.550.837,688	42,203	41,743	66	69	70.212	36.408,168	410.410,493	11,272	10,813
17	20	98.593	83.249,737	3.466.699,913	41,642	41,182	67	70	67.990	34.906,830	374.002,324	10,714	10,254
18	21	98.512	82.357,683	3.383.450,176	41,082	40,622	68	71	65.588	33.340,199	339.095,494	10,171	9,711
19	22	98.413	81.460,474	3.301.092,494	40,524	40,064	69	72	62.999	31.707,227	305.755,295	9,643	9,183
20	23	98.307	80.567,157	3.219.632,020	39,962	39,502	70	73	60.270	30.033,441	274.048,067	9,125	8,665
21	24	98.207	79.688,020	3.139.064,863	39,392	38,932	71	74	57.358	28.299,545	244.014,626	8,623	8,163
22	25	98.103	78.815,747	3.059.376,843	38,817	38,357	72	75	54.288	26.519,318	215.715,081	8,134	7,674
23	26	98.005	77.957,370	2.980.561,096	38,233	37,773	73	76	51.018	24.675,574	189.195,763	7,667	7,207
24	27	97.905	77.106,712	2.902.603,726	37,644	37,184	74	77	47.620	22.803,894	164.520,189	7,215	6,755
25	28	97.806	76.265,653	2.825.497,014	37,048	36,588	75	78	44.115	20.916,202	141.716,296	6,775	6,315
26	29	97.705	75.432,917	2.749.231,362	36,446	35,986	76	79	40.516	19.019,580	120.800,094	6,351	5,891
27	30	97.607	74.610,798	2.673.798,444	35,837	35,377	77	80	36.875	17.139,210	101.780,514	5,938	5,478
28	31	97.505	73.795,078	2.599.187,646	35,222	34,762	78	81	33.159	15.259,258	84.641,303	5,547	5,087
29	32	97.398	72.984,649	2.525.392,568	34,602	34,142	79	82	29.410	13.400,001	69.382,045	5,178	4,718
30	33	97.295	72.185,527	2.452.407,919	33,974	33,514	80	83	25.677	11.583,520	55.982,045	4,833	4,373
31	34	97.185	71.390,068	2.380.222,392	33,341	32,881	81	84	22.066	9.855,729	44.398,524	4,505	4,045
32	35	97.063	70.594,307	2.308.832,324	32,706	32,246	82	85	18.626	8.237,163	34.542,796	4,194	3,734
33	36	96.934	69.802,337	2.238.238,017	32,065	31,605	83	86	15.413	6.748,450	26.305,633	3,898	3,438
34	37	96.794	69.011,555	2.168.435,680	31,421	30,961	84	87	12.447	5.395,839	19.557,183	3,624	3,165
35	38	96.642	68.221,153	2.099.424,125	30,774	30,314	85	88	9.769	4.193,022	14.161,344	3,377	2,917
36	39	96.474	67.427,810	2.031.202,972	30,124	29,664	86	89	7.498	3.186,496	9.968,322	3,128	2,668
37	40	96.288	66.631,481	1.963.775,162	29,472	29,012	87	90	5.541	2.331,330	6.781,826	2,909	2,449
38	41	96.088	65.834,735	1.897.143,682	28,817	28,357	88	91	3.939	1.640,962	4.450,496	2,712	2,252
39	42	95.860	65.028,743	1.831.308,947	28,162	27,702	89	92	2.671	1.101,742	2.809,534	2,550	2,090
40	43	95.605	64.213,358	1.766.280,204	27,506	27,046	90	93	1.741	710,942	1.707,792	2,402	1,942
41	44	95.316	63.385,707	1.702.066,846	26,853	26,393	91	94	1.089	440,258	996,851	2,264	1,804
42	45	95.003	62.551,711	1.638.681,139	26,197	25,737	92	95	649	259,741	556,592	2,143	1,683
43	46	94.643	61.697,784	1.576.129,427	25,546	25,086	93	96	368	146,001	296,851	2,033	1,573
44	47	94.239	60.826,253	1.514.431,643	24,898	24,438	94	97	199	77,995	150,849	1,934	1,474
45	48	93.804	59.945,641	1.453.605,390	24,249	23,789	95	98	102	39,499	72,854	1,844	1,384
46	49	93.317	59.044,055	1.393.659,748	23,604	23,144	96	99	49	18,915	33,356	1,763	1,303
47	50	92.776	58.120,815	1.334.615,693	22,963	22,503	97	100	22	8,544	14,440	1,690	1,230
48	51	92.195	57.184,830	1.276.494,878	22,322	21,862	98	101	10	3,631	5,896	1,624	1,164
49	52	91.563	56.230,898	1.219.310,048	21,684	21,224	99	102	4	1,448	2,265	1,563	1,104
							100	103	1	0,541	0,816	1,509	1,049

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -4 Jahre

Zinsfuß 1,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	4	99.548	99.547,849	4.999.366,800	50,221	49,761	50	54	90.590	55.082,238	1.142.996,845	20,751	20,291
1	5	99.081	98.099,884	4.899.818,951	49,947	49,487	51	55	89.828	54.077,868	1.087.914,608	20,118	19,658
2	6	99.028	97.076,668	4.801.719,067	49,463	49,003	52	56	89.024	53.063,344	1.033.836,740	19,483	19,023
3	7	98.999	96.087,307	4.704.642,399	48,962	48,502	53	57	88.146	52.020,149	980.773,396	18,854	18,394
4	8	98.972	95.110,308	4.608.555,093	48,455	47,995	54	58	87.201	50.952,930	928.753,247	18,228	17,768
5	9	98.949	94.146,955	4.513.444,785	47,940	47,480	55	59	86.192	49.864,607	877.800,317	17,604	17,144
6	10	98.929	93.196,020	4.419.297,829	47,419	46,959	56	60	85.112	48.752,225	827.935,710	16,983	16,523
7	11	98.910	92.254,774	4.326.101,809	46,893	46,433	57	61	83.981	47.627,907	779.183,485	16,360	15,900
8	12	98.888	91.321,517	4.233.847,035	46,362	45,902	58	62	82.786	46.485,240	731.555,578	15,737	15,277
9	13	98.868	90.398,915	4.142.525,518	45,825	45,365	59	63	81.481	45.299,500	685.070,338	15,123	14,663
10	14	98.849	89.486,829	4.052.126,603	45,282	44,822	60	64	80.076	44.077,691	639.770,838	14,515	14,055
11	15	98.828	88.582,172	3.962.639,775	44,734	44,274	61	65	78.595	42.834,402	595.693,147	13,907	13,447
12	16	98.796	87.676,782	3.874.057,603	44,186	43,726	62	66	77.017	41.558,680	552.858,745	13,303	12,843
13	17	98.763	86.778,977	3.786.380,821	43,632	43,172	63	67	75.292	40.225,330	511.300,065	12,711	12,251
14	18	98.728	85.889,737	3.699.601,844	43,074	42,614	64	68	73.449	38.852,530	471.074,735	12,125	11,665
15	19	98.681	84.999,203	3.613.712,107	42,515	42,055	65	69	71.463	37.427,726	432.222,205	11,548	11,088
16	20	98.631	84.114,451	3.528.712,904	41,951	41,491	66	70	69.316	35.943,667	394.794,479	10,984	10,524
17	21	98.562	83.223,442	3.444.598,453	41,390	40,930	67	71	67.023	34.410,681	358.850,812	10,428	9,968
18	22	98.488	82.337,532	3.361.375,011	40,824	40,364	68	72	64.524	32.799,679	324.440,131	9,892	9,432
19	23	98.386	81.438,419	3.279.037,479	40,264	39,804	69	73	61.863	31.135,574	291.640,453	9,367	8,907
20	24	98.282	80.546,136	3.197.599,060	39,699	39,239	70	74	59.042	29.421,589	260.504,878	8,854	8,394
21	25	98.180	79.666,370	3.117.052,923	39,126	38,666	71	75	56.053	27.655,399	231.083,289	8,356	7,896
22	26	98.079	78.796,353	3.037.386,553	38,547	38,087	72	76	52.880	25.831,738	203.427,890	7,875	7,415
23	27	97.978	77.935,545	2.958.590,200	37,962	37,502	73	77	49.542	23.961,257	177.596,152	7,412	6,952
24	28	97.877	77.084,240	2.880.654,655	37,370	36,910	74	78	46.071	22.062,026	153.634,896	6,964	6,504
25	29	97.776	76.243,016	2.803.570,414	36,772	36,312	75	79	42.480	20.141,003	131.572,870	6,533	6,073
26	30	97.676	75.410,838	2.727.327,399	36,166	35,706	76	80	38.812	18.219,500	111.431,867	6,116	5,656
27	31	97.575	74.586,369	2.651.916,561	35,555	35,095	77	81	35.079	16.304,285	93.212,367	5,717	5,257
28	32	97.470	73.768,718	2.577.330,192	34,938	34,478	78	82	31.311	14.408,648	76.908,083	5,338	4,878
29	33	97.364	72.958,697	2.503.561,474	34,315	33,855	79	83	27.509	12.534,037	62.499,435	4,986	4,526
30	34	97.256	72.156,683	2.430.602,776	33,685	33,225	80	84	23.837	10.753,469	49.965,398	4,646	4,186
31	35	97.140	71.356,599	2.358.446,093	33,052	32,592	81	85	20.293	9.063,707	39.211,928	4,326	3,866
32	36	97.013	70.558,166	2.287.089,494	32,414	31,954	82	86	17.009	7.521,974	30.148,221	4,008	3,548
33	37	96.879	69.762,867	2.216.531,329	31,772	31,312	83	87	13.859	6.068,109	22.626,247	3,729	3,269
34	38	96.735	68.969,236	2.146.768,462	31,126	30,666	84	88	10.980	4.759,790	16.558,138	3,479	3,019
35	39	96.575	68.173,431	2.077.799,226	30,478	30,018	85	89	8.484	3.641,526	11.798,348	3,240	2,780
36	40	96.396	67.373,850	2.009.625,795	29,828	29,368	86	90	6.387	2.714,178	8.156,821	3,005	2,545
37	41	96.204	66.573,512	1.942.251,945	29,175	28,715	87	91	4.635	1.950,247	5.442,643	2,791	2,331
38	42	95.993	65.769,658	1.875.678,433	28,519	28,059	88	92	3.201	1.333,446	3.492,397	2,619	2,159
39	43	95.753	64.955,607	1.809.908,775	27,864	27,404	89	93	2.122	875,455	2.158,951	2,466	2,006
40	44	95.481	64.130,008	1.744.953,168	27,210	26,750	90	94	1.351	551,697	1.283,496	2,326	1,866
41	45	95.184	63.297,474	1.680.823,160	26,554	26,094	91	95	824	333,214	731,799	2,196	1,736
42	46	94.852	62.452,504	1.617.525,686	25,900	25,440	92	96	478	191,487	398,585	2,082	1,622
43	47	94.473	61.586,976	1.555.073,182	25,250	24,790	93	97	264	104,707	207,098	1,978	1,518
44	48	94.056	60.707,968	1.493.486,206	24,601	24,141	94	98	138	54,343	102,391	1,884	1,424
45	49	93.605	59.818,561	1.432.778,238	23,952	23,492	95	99	69	26,702	48,048	1,799	1,339
46	50	93.092	58.901,952	1.372.959,677	23,309	22,849	96	100	32	12,391	21,346	1,723	1,263
47	51	92.542	57.973,965	1.314.057,725	22,666	22,206	97	101	14	5,417	8,955	1,653	1,193
48	52	91.939	57.026,014	1.256.083,760	22,027	21,567	98	102	6	2,225	3,538	1,590	1,130
49	53	91.287	56.060,900	1.199.057,746	21,388	20,929	99	103	2	0,857	1,314	1,533	1,073
							100	104	1	0,308	0,457	1,482	1,022

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -5 Jahre

Zinsfuß 1,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	5	99.535	99.534,992	4.975.674,638	49,989	49,529	50	55	90.275	54.890,648	1.121.728,758	20,436	19,976
1	6	99.068	98.087,060	4.876.139,646	49,712	49,252	51	56	89.487	53.873,083	1.066.838,110	19,803	19,343
2	7	99.019	97.067,722	4.778.052,586	49,224	48,764	52	57	88.666	52.850,310	1.012.965,027	19,167	18,707
3	8	98.990	96.078,938	4.680.984,864	48,720	48,260	53	58	87.753	51.787,978	960.114,717	18,539	18,079
4	9	98.963	95.101,178	4.584.905,925	48,211	47,751	54	59	86.781	50.707,560	908.326,739	17,913	17,453
5	10	98.943	94.140,872	4.489.804,747	47,692	47,232	55	60	85.754	49.611,106	857.619,179	17,287	16,827
6	11	98.921	93.188,183	4.395.663,875	47,170	46,710	56	61	84.644	48.483,880	808.008,073	16,665	16,206
7	12	98.900	92.246,123	4.302.475,692	46,641	46,181	57	62	83.508	47.359,888	759.524,193	16,037	15,577
8	13	98.880	91.313,761	4.210.229,569	46,107	45,647	58	63	82.265	46.192,713	712.164,305	15,417	14,957
9	14	98.858	90.390,156	4.118.915,808	45,568	45,108	59	64	80.926	44.991,380	665.971,591	14,802	14,342
10	15	98.838	89.476,401	4.028.525,652	45,023	44,563	60	65	79.490	43.755,359	620.980,211	14,192	13,732
11	16	98.811	88.566,345	3.939.049,251	44,476	44,016	61	66	77.953	42.484,558	577.224,852	13,587	13,127
12	17	98.775	87.658,214	3.850.482,906	43,926	43,466	62	67	76.320	41.182,300	534.740,295	12,985	12,525
13	18	98.741	86.759,884	3.762.824,692	43,371	42,911	63	68	74.526	39.816,440	493.557,995	12,396	11,936
14	19	98.700	85.865,036	3.676.064,808	42,812	42,352	64	69	72.609	38.408,152	453.741,555	11,814	11,354
15	20	98.654	84.975,640	3.590.199,772	42,250	41,790	65	70	70.552	36.950,216	415.333,403	11,240	10,780
16	21	98.600	84.087,883	3.505.224,132	41,685	41,225	66	71	68.331	35.432,780	378.383,187	10,679	10,219
17	22	98.538	83.203,079	3.421.136,249	41,118	40,658	67	72	65.937	33.852,806	342.950,407	10,131	9,671
18	23	98.461	82.315,240	3.337.933,169	40,551	40,091	68	73	63.361	32.208,330	309.097,601	9,597	9,137
19	24	98.361	81.417,171	3.255.617,929	39,987	39,527	69	74	60.603	30.501,269	276.889,272	9,078	8,618
20	25	98.255	80.524,254	3.174.200,758	39,419	38,959	70	75	57.698	28.751,903	246.388,003	8,569	8,109
21	26	98.156	79.646,767	3.093.676,504	38,842	38,382	71	76	54.600	26.938,363	217.636,099	8,079	7,619
22	27	98.052	78.774,294	3.014.029,737	38,262	37,802	72	77	51.349	25.083,952	190.697,737	7,602	7,142
23	28	97.949	77.912,832	2.935.255,444	37,674	37,214	73	78	47.930	23.181,737	165.613,785	7,144	6,684
24	29	97.847	77.061,360	2.857.342,611	37,079	36,619	74	79	44.363	21.244,360	142.432,048	6,704	6,244
25	30	97.748	76.220,699	2.780.281,251	36,477	36,017	75	80	40.693	19.293,749	121.187,687	6,281	5,821
26	31	97.644	75.386,147	2.704.060,553	35,869	35,409	76	81	36.921	17.331,948	101.893,939	5,879	5,419
27	32	97.540	74.559,726	2.628.674,406	35,256	34,796	77	82	33.124	15.395,420	84.561,990	5,493	5,033
28	33	97.435	73.742,488	2.554.114,679	34,636	34,176	78	83	29.287	13.477,501	69.166,570	5,132	4,672
29	34	97.325	72.929,545	2.480.372,192	34,011	33,551	79	84	25.538	11.635,874	55.689,068	4,786	4,326
30	35	97.211	72.122,855	2.407.442,647	33,380	32,920	80	85	21.922	9.889,304	44.053,194	4,455	3,995
31	36	97.090	71.320,067	2.335.319,792	32,744	32,284	81	86	18.531	8.276,754	34.163,890	4,128	3,668
32	37	96.958	70.518,268	2.263.999,725	32,105	31,645	82	87	15.294	6.763,651	25.887,136	3,827	3,367
33	38	96.820	69.720,087	2.193.481,457	31,461	31,001	83	88	12.225	5.352,814	19.123,485	3,573	3,113
34	39	96.667	68.920,991	2.123.761,370	30,814	30,354	84	89	9.535	4.133,749	13.770,671	3,331	2,871
35	40	96.497	68.118,874	2.054.840,379	30,166	29,706	85	90	7.226	3.101,762	9.636,922	3,107	2,647
36	41	96.313	67.315,236	1.986.721,505	29,514	29,054	86	91	5.343	2.270,513	6.535,160	2,878	2,418
37	42	96.109	66.507,705	1.919.406,269	28,860	28,400	87	92	3.766	1.584,770	4.264,647	2,691	2,231
38	43	95.885	65.695,689	1.852.898,563	28,204	27,744	88	93	2.543	1.059,569	2.679,876	2,529	2,069
39	44	95.628	64.871,293	1.787.202,875	27,550	27,090	89	94	1.647	679,361	1.620,307	2,385	1,925
40	45	95.348	64.040,739	1.722.331,582	26,894	26,434	90	95	1.022	417,557	940,946	2,253	1,793
41	46	95.033	63.197,083	1.658.290,843	26,240	25,780	91	96	608	245,653	523,389	2,131	1,671
42	47	94.682	62.340,340	1.595.093,759	25,587	25,127	92	97	343	137,328	277,736	2,022	1,562
43	48	94.289	61.467,211	1.532.753,419	24,936	24,476	93	98	184	72,954	140,408	1,925	1,465
44	49	93.857	60.579,271	1.471.286,208	24,287	23,827	94	99	94	36,737	67,454	1,836	1,376
45	50	93.379	59.674,594	1.410.706,937	23,640	23,180	95	100	45	17,492	30,716	1,756	1,296
46	51	92.857	58.753,129	1.351.032,343	22,995	22,535	96	101	20	7,855	13,224	1,684	1,224
47	52	92.285	57.812,958	1.292.279,214	22,353	21,893	97	102	9	3,319	5,369	1,618	1,158
48	53	91.661	56.853,613	1.234.466,256	21,713	21,253	98	103	3	1,316	2,051	1,558	1,098
49	54	90.998	55.883,886	1.177.612,644	21,072	20,613	99	104	1	0,488	0,735	1,504	1,044
							100	105	0	0,169	0,246	1,455	0,995

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -6 Jahre

Zinsfuß 1,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	6	99.522	99.521,980	4.950.586,789	49,744	49,284	50	56	89.933	54.682,785	1.099.275,399	20,103	19,643
1	7	99.059	98.078,022	4.851.064,809	49,461	49,001	51	57	89.128	53.656,798	1.044.592,614	19,468	19,008
2	8	99.010	97.059,269	4.752.986,787	48,970	48,510	52	58	88.271	52.614,434	990.935,817	18,834	18,374
3	9	98.981	96.069,716	4.655.927,518	48,464	48,004	53	59	87.330	51.538,586	938.321,383	18,206	17,746
4	10	98.956	95.095,033	4.559.857,802	47,951	47,491	54	60	86.340	50.449,774	886.782,796	17,578	17,118
5	11	98.935	94.132,955	4.464.762,769	47,430	46,970	55	61	85.282	49.338,034	836.333,023	16,951	16,491
6	12	98.912	93.179,444	4.370.629,814	46,906	46,446	56	62	84.167	48.211,044	786.994,989	16,324	15,864
7	13	98.892	92.238,288	4.277.450,370	46,374	45,914	57	63	82.983	47.061,857	738.783,944	15,698	15,238
8	14	98.870	91.304,914	4.185.212,082	45,838	45,378	58	64	81.705	45.878,518	691.722,087	15,077	14,617
9	15	98.847	90.379,623	4.093.907,168	45,297	44,837	59	65	80.335	44.662,366	645.843,569	14,461	14,001
10	16	98.820	89.460,415	4.003.527,545	44,752	44,292	60	66	78.841	43.397,993	601.181,202	13,853	13,393
11	17	98.790	88.547,589	3.914.067,130	44,203	43,743	61	67	77.247	42.099,793	557.783,210	13,249	12,789
12	18	98.754	87.638,928	3.825.519,541	43,651	43,191	62	68	75.544	40.763,682	515.683,417	12,651	12,191
13	19	98.712	86.734,932	3.737.880,614	43,095	42,635	63	69	73.674	39.361,036	474.919,735	12,066	11,606
14	20	98.672	85.841,234	3.651.145,681	42,534	42,074	64	70	71.683	37.918,134	435.558,699	11,487	11,027
15	21	98.623	84.948,800	3.565.304,448	41,970	41,510	65	71	69.549	36.425,023	397.640,565	10,917	10,457
16	22	98.576	84.067,309	3.480.355,647	41,400	40,940	66	72	67.223	34.858,334	361.215,542	10,362	9,902
17	23	98.511	83.180,553	3.396.288,338	40,830	40,370	67	73	64.748	33.242,470	326.357,208	9,817	9,357
18	24	98.435	82.293,763	3.313.107,785	40,260	39,800	68	74	62.070	31.552,170	293.114,738	9,290	8,830
19	25	98.334	81.395,052	3.230.814,022	39,693	39,233	69	75	59.223	29.807,008	261.562,568	8,775	8,315
20	26	98.231	80.504,439	3.149.418,970	39,121	38,661	70	76	56.202	28.006,438	231.755,560	8,275	7,815
21	27	98.129	79.624,469	3.068.914,530	38,542	38,082	71	77	53.019	26.158,542	203.749,122	7,789	7,329
22	28	98.023	78.751,336	2.989.290,061	37,959	37,499	72	78	49.679	24.267,908	177.590,581	7,318	6,858
23	29	97.920	77.889,706	2.910.538,725	37,367	36,907	73	79	46.153	22.322,573	153.322,673	6,869	6,409
24	30	97.819	77.038,803	2.832.649,019	36,769	36,309	74	80	42.497	20.350,692	131.000,100	6,437	5,977
25	31	97.716	76.195,743	2.755.610,215	36,165	35,705	75	81	38.711	18.353,866	110.649,408	6,029	5,569
26	32	97.610	75.359,218	2.679.414,473	35,555	35,095	76	82	34.863	16.365,798	92.295,542	5,640	5,180
27	33	97.505	74.533,215	2.604.055,254	34,938	34,478	77	83	30.983	14.400,505	75.929,744	5,273	4,813
28	34	97.396	73.713,022	2.529.522,040	34,316	33,856	78	84	27.188	12.511,732	61.529,239	4,918	4,458
29	35	97.279	72.895,354	2.455.809,018	33,690	33,230	79	85	23.486	10.700,797	49.017,507	4,581	4,121
30	36	97.161	72.085,931	2.382.913,664	33,057	32,597	80	86	20.018	9.030,669	38.316,710	4,243	3,783
31	37	97.035	71.279,739	2.310.827,733	32,419	31,959	81	87	16.663	7.442,338	29.286,041	3,935	3,475
32	38	96.899	70.475,025	2.239.547,994	31,778	31,318	82	88	13.492	5.966,367	21.843,703	3,661	3,201
33	39	96.752	69.671,317	2.169.072,969	31,133	30,673	83	89	10.617	4.648,775	15.877,336	3,415	2,955
34	40	96.590	68.865,836	2.099.401,652	30,485	30,025	84	90	8.122	3.521,025	11.228,561	3,189	2,729
35	41	96.413	68.059,612	2.030.535,816	29,835	29,375	85	91	6.045	2.594,742	7.707,536	2,970	2,510
36	42	96.217	67.248,696	1.962.476,204	29,182	28,722	86	92	4.341	1.845,019	5.112,794	2,771	2,311
37	43	96.001	66.432,906	1.895.227,508	28,528	28,068	87	93	2.993	1.259,274	3.267,775	2,595	2,135
38	44	95.760	65.610,414	1.828.794,602	27,874	27,414	88	94	1.974	822,236	2.008,501	2,443	1,983
39	45	95.495	64.780,992	1.763.184,188	27,218	26,758	89	95	1.247	514,181	1.186,265	2,307	1,847
40	46	95.197	63.939,170	1.698.403,196	26,563	26,103	90	96	754	307,833	672,084	2,183	1,723
41	47	94.862	63.083,583	1.634.464,027	25,909	25,450	91	97	436	176,174	364,251	2,068	1,608
42	48	94.498	62.219,110	1.571.380,444	25,256	24,796	92	98	239	95,683	188,078	1,966	1,506
43	49	94.089	61.336,905	1.509.161,333	24,604	24,144	93	99	124	49,319	92,395	1,873	1,413
44	50	93.631	60.433,473	1.447.824,429	23,957	23,497	94	100	61	24,066	43,076	1,790	1,330
45	51	93.144	59.523,818	1.387.390,955	23,308	22,848	95	101	29	11,089	19,010	1,714	1,254
46	52	92.599	58.589,957	1.327.867,137	22,664	22,204	96	102	13	4,813	7,922	1,646	1,186
47	53	92.006	57.638,177	1.269.277,180	22,021	21,561	97	103	5	1,963	3,109	1,584	1,124
48	54	91.371	56.674,095	1.211.639,003	21,379	20,919	98	104	2	0,750	1,146	1,528	1,068
49	55	90.682	55.689,508	1.154.964,907	20,739	20,279	99	105	1	0,268	0,396	1,476	1,016
							100	106					

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -7 Jahre

Zinsfuß 1,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	7	99.513	99.512,810	4.924.090,887	49,482	49,022	50	57	89.572	54.463,249	1.075.643,257	19,750	19,290
1	8	99.050	98.069,480	4.824.578,077	49,196	48,736	51	58	88.730	53.417,323	1.021.180,008	19,117	18,657
2	9	99.001	97.049,952	4.726.508,597	48,702	48,242	52	59	87.846	52.361,062	967.762,685	18,482	18,023
3	10	98.974	96.063,508	4.629.458,645	48,192	47,732	53	60	86.886	51.276,575	915.401,623	17,852	17,392
4	11	98.948	95.087,036	4.533.395,137	47,676	47,216	54	61	85.865	50.172,085	864.125,047	17,223	16,763
5	12	98.925	94.124,128	4.438.308,101	47,154	46,694	55	62	84.802	49.060,391	813.952,962	16,591	16,131
6	13	98.903	93.171,530	4.344.183,973	46,626	46,166	56	63	83.638	47.907,657	764.892,571	15,966	15,506
7	14	98.882	92.229,351	4.251.012,443	46,092	45,632	57	64	82.418	46.741,750	716.984,914	15,339	14,879
8	15	98.859	91.294,275	4.158.783,091	45,554	45,094	58	65	81.108	45.543,017	670.243,163	14,717	14,257
9	16	98.829	90.363,475	4.067.488,817	45,013	44,553	59	66	79.679	44.297,592	624.700,146	14,102	13,642
10	17	98.799	89.441,469	3.977.125,342	44,466	44,006	60	67	78.127	43.004,955	580.402,554	13,496	13,036
11	18	98.768	88.528,107	3.887.683,873	43,915	43,455	61	68	76.462	41.671,848	537.397,599	12,896	12,436
12	19	98.725	87.613,723	3.799.155,766	43,363	42,903	62	69	74.680	40.297,445	495.725,750	12,302	11,842
13	20	98.685	86.710,889	3.711.542,043	42,804	42,344	63	70	72.734	38.858,861	455.428,306	11,720	11,260
14	21	98.641	85.814,120	3.624.831,154	42,240	41,781	64	71	70.664	37.379,183	416.569,444	11,144	10,684
15	22	98.599	84.928,016	3.539.017,034	41,671	41,211	65	72	68.421	35.834,491	379.190,262	10,582	10,122
16	23	98.549	84.044,549	3.454.089,018	41,098	40,638	66	73	66.011	34.229,869	343.355,771	10,031	9,571
17	24	98.485	83.158,851	3.370.044,469	40,525	40,065	67	74	63.429	32.565,242	309.125,901	9,493	9,033
18	25	98.409	82.271,406	3.286.885,618	39,952	39,492	68	75	60.657	30.833,989	276.560,659	8,969	8,509
19	26	98.310	81.375,024	3.204.614,212	39,381	38,921	69	76	57.688	29.034,186	245.726,671	8,463	8,003
20	27	98.203	80.481,901	3.123.239,189	38,807	38,347	70	77	54.575	27.195,698	216.692,485	7,968	7,508
21	28	98.100	79.601,264	3.042.757,287	38,225	37,765	71	78	51.294	25.307,539	189.496,787	7,488	7,028
22	29	97.994	78.727,961	2.963.156,023	37,638	37,178	72	79	47.838	23.368,488	164.189,249	7,026	6,566
23	30	97.891	77.866,907	2.884.428,062	37,043	36,583	73	80	44.212	21.383,548	140.820,761	6,585	6,125
24	31	97.787	77.013,580	2.806.561,155	36,442	35,982	74	81	40.427	19.359,321	119.437,213	6,169	5,710
25	32	97.681	76.168,525	2.729.547,575	35,836	35,376	75	82	36.553	17.330,570	100.077,892	5,775	5,315
26	33	97.575	75.332,422	2.653.379,050	35,222	34,762	76	83	32.610	15.308,173	82.747,142	5,405	4,945
27	34	97.466	74.503,433	2.578.046,628	34,603	34,143	77	84	28.763	13.368,595	67.438,969	5,045	4,585
28	35	97.351	73.678,464	2.503.543,195	33,979	33,519	78	85	25.004	11.506,270	54.070,374	4,699	4,239
29	36	97.229	72.858,035	2.429.864,731	33,351	32,891	79	86	21.447	9.771,705	42.564,104	4,356	3,896
30	37	97.106	72.045,169	2.357.006,697	32,716	32,256	80	87	18.000	8.120,247	32.792,400	4,038	3,578
31	38	96.976	71.236,029	2.284.961,527	32,076	31,616	81	88	14.698	6.565,052	24.672,152	3,758	3,298
32	39	96.831	70.425,727	2.213.725,498	31,433	30,973	82	89	11.717	5.181,629	18.107,100	3,494	3,035
33	40	96.674	69.615,562	2.143.299,772	30,788	30,328	83	90	9.044	3.959,711	12.925,471	3,264	2,804
34	41	96.506	68.805,924	2.073.684,210	30,138	29,678	84	91	6.794	2.945,472	8.965,760	3,044	2,584
35	42	96.318	67.992,336	2.004.878,286	29,487	29,027	85	92	4.912	2.108,487	6.020,289	2,855	2,395
36	43	96.109	67.173,063	1.936.885,950	28,834	28,374	86	93	3.450	1.466,071	3.911,801	2,668	2,208
37	44	95.876	66.346,675	1.869.712,887	28,181	27,721	87	94	2.322	977,209	2.445,731	2,503	2,043
38	45	95.627	65.519,084	1.803.366,212	27,524	27,064	88	95	1.494	622,317	1.468,522	2,360	1,900
39	46	95.344	64.678,248	1.737.847,128	26,869	26,409	89	96	919	379,066	846,205	2,232	1,772
40	47	95.026	63.824,336	1.673.168,880	26,215	25,755	90	97	541	220,767	467,139	2,116	1,656
41	48	94.678	62.960,907	1.609.344,544	25,561	25,101	91	98	304	122,748	246,372	2,007	1,547
42	49	94.297	62.087,210	1.546.383,636	24,907	24,447	92	99	162	64,684	123,624	1,911	1,451
43	50	93.863	61.189,284	1.484.296,426	24,257	23,797	93	100	82	32,308	58,940	1,824	1,364
44	51	93.394	60.280,780	1.423.107,142	23,608	23,148	94	101	39	15,256	26,633	1,746	1,286
45	52	92.885	59.358,506	1.362.826,362	22,959	22,499	95	102	17	6,794	11,376	1,674	1,214
46	53	92.319	58.412,828	1.303.467,855	22,315	21,855	96	103	7	2,846	4,582	1,610	1,150
47	54	91.715	57.456,182	1.245.055,028	21,670	21,210	97	104	3	1,119	1,736	1,551	1,091
48	55	91.054	56.476,969	1.187.598,846	21,028	20,568	98	105	1	0,412	0,617	1,498	1,038
49	56	90.339	55.478,620	1.131.121,877	20,388	19,928	99	106					
							100	107					

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -8 Jahre

Zinsfuß 1,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	8	99.504	99.504,143	4.896.176,655	49,206	48,746	50	58	89.172	54.220,175	1.050.840,513	19,381	18,921
1	9	99.041	98.060,067	4.796.672,512	48,916	48,456	51	59	88.303	53.160,085	996.620,339	18,748	18,288
2	10	98.994	97.043,681	4.698.612,445	48,418	47,958	52	60	87.399	52.094,870	943.460,254	18,110	17,650
3	11	98.966	96.055,430	4.601.568,764	47,905	47,445	53	61	86.408	50.994,336	891.365,384	17,480	17,020
4	12	98.939	95.078,119	4.505.513,334	47,387	46,928	54	62	85.382	49.889,749	840.371,048	16,845	16,385
5	13	98.917	94.116,134	4.410.435,215	46,862	46,402	55	63	84.268	48.751,660	790.481,298	16,214	15,754
6	14	98.894	93.162,503	4.316.319,081	46,331	45,871	56	64	83.069	47.581,797	741.729,639	15,589	15,129
7	15	98.871	92.218,604	4.223.156,578	45,795	45,335	57	65	81.816	46.399,936	694.147,842	14,960	14,500
8	16	98.841	91.277,963	4.130.937,974	45,257	44,797	58	66	80.445	45.171,050	647.747,905	14,340	13,880
9	17	98.808	90.344,338	4.039.660,011	44,714	44,254	59	67	78.957	43.896,407	602.576,855	13,727	13,267
10	18	98.777	89.421,790	3.949.315,673	44,165	43,705	60	68	77.333	42.567,810	558.680,448	13,124	12,665
11	19	98.740	88.502,647	3.859.893,882	43,613	43,153	61	69	75.588	41.195,224	516.112,638	12,528	12,068
12	20	98.698	87.589,436	3.771.391,236	43,058	42,598	62	70	73.727	39.783,323	474.917,414	11,938	11,478
13	21	98.654	86.683,501	3.683.801,800	42,497	42,037	63	71	71.700	38.306,540	435.134,091	11,359	10,899
14	22	98.617	85.793,124	3.597.118,299	41,928	41,468	64	72	69.518	36.773,181	396.827,552	10,791	10,331
15	23	98.572	84.905,022	3.511.325,175	41,356	40,896	65	73	67.188	35.188,427	360.054,370	10,232	9,772
16	24	98.523	84.022,621	3.426.420,152	40,780	40,320	66	74	64.666	33.532,526	324.865,943	9,688	9,228
17	25	98.459	83.136,258	3.342.397,531	40,204	39,744	67	75	61.985	31.824,001	291.333,417	9,155	8,695
18	26	98.385	82.251,162	3.259.261,273	39,626	39,166	68	76	59.085	30.034,539	259.509,416	8,640	8,180
19	27	98.282	81.352,242	3.177.010,111	39,053	38,593	69	77	56.018	28.193,694	229.474,877	8,139	7,679
20	28	98.175	80.458,446	3.095.657,870	38,475	38,015	70	78	52.800	26.310,953	201.281,182	7,650	7,190
21	29	98.071	79.577,637	3.015.199,423	37,890	37,430	71	79	49.393	24.369,588	174.970,229	7,180	6,720
22	30	97.965	78.704,917	2.935.621,786	37,299	36,839	72	80	45.825	22.385,466	150.600,641	6,728	6,268
23	31	97.859	77.841,412	2.856.916,870	36,702	36,242	73	81	42.058	20.341,862	128.215,175	6,303	5,843
24	32	97.752	76.986,070	2.779.075,457	36,098	35,638	74	82	38.173	18.280,157	107.873,314	5,901	5,441
25	33	97.646	76.141,441	2.702.089,388	35,488	35,028	75	83	34.191	16.210,766	89.593,156	5,527	5,067
26	34	97.536	75.302,321	2.625.947,947	34,872	34,412	76	84	30.273	14.211,221	73.382,391	5,164	4,704
27	35	97.420	74.468,504	2.550.645,625	34,251	33,791	77	85	26.451	12.294,274	59.171,170	4,813	4,353
28	36	97.301	73.640,744	2.476.177,121	33,625	33,165	78	86	22.833	10.507,242	46.876,896	4,461	4,001
29	37	97.174	72.816,836	2.402.536,377	32,994	32,534	79	87	19.284	8.786,576	36.369,654	4,139	3,679
30	38	97.046	72.000,990	2.329.719,541	32,357	31,897	80	88	15.878	7.163,051	27.583,078	3,851	3,391
31	39	96.908	71.186,198	2.257.718,551	31,716	31,256	81	89	12.765	5.701,571	20.420,026	3,581	3,121
32	40	96.754	70.369,368	2.186.532,353	31,072	30,612	82	90	9.980	4.413,583	14.718,456	3,335	2,875
33	41	96.590	69.554,997	2.116.162,985	30,424	29,964	83	91	7.565	3.312,449	10.304,873	3,111	2,651
34	42	96.410	68.737,910	2.046.607,988	29,774	29,314	84	92	5.521	2.393,490	6.992,424	2,921	2,461
35	43	96.210	67.915,867	1.977.870,077	29,122	28,662	85	93	3.903	1.675,425	4.598,934	2,745	2,285
36	44	95.984	67.085,871	1.909.954,210	28,470	28,010	86	94	2.677	1.137,684	2.923,508	2,570	2,110
37	45	95.743	66.254,320	1.842.868,339	27,815	27,355	87	95	1.758	739,609	1.785,824	2,415	1,955
38	46	95.475	65.415,170	1.776.614,020	27,159	26,699	88	96	1.101	458,787	1.046,215	2,280	1,820
39	47	95.172	64.562,087	1.711.198,849	26,505	26,045	89	97	659	271,853	587,428	2,161	1,701
40	48	94.841	63.700,220	1.646.636,762	25,850	25,390	90	98	377	153,818	315,575	2,052	1,592
41	49	94.477	62.827,434	1.582.936,542	25,195	24,735	91	99	205	82,981	161,757	1,949	1,489
42	50	94.070	61.937,783	1.520.109,107	24,543	24,083	92	100	106	42,373	78,776	1,859	1,399
43	51	93.626	61.034,681	1.458.171,324	23,891	23,431	93	101	52	20,481	36,403	1,777	1,317
44	52	93.135	60.113,366	1.397.136,642	23,242	22,782	94	102	24	9,348	15,922	1,703	1,243
45	53	92.604	59.179,053	1.337.023,276	22,593	22,133	95	103	10	4,018	6,574	1,636	1,176
46	54	92.028	58.228,387	1.277.844,223	21,945	21,485	96	104	4	1,623	2,556	1,575	1,115
47	55	91.396	57.256,336	1.219.615,836	21,301	20,841	97	105	2	0,614	0,933	1,520	1,060
48	56	90.709	56.263,099	1.162.359,501	20,659	20,199	98	106					
49	57	89.976	55.255,889	1.106.096,402	20,018	19,558	99	107					
							100	108					

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -9 Jahre

Zinsfuß 1,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	9	99.495	99.494,592	4.866.843,116	48,916	48,456	50	59	88.743	53.959,070	1.024.893,522	18,994	18,534
1	10	99.034	98.053,730	4.767.348,524	48,620	48,160	51	60	87.854	52.889,830	970.934,452	18,358	17,898
2	11	98.986	97.035,520	4.669.294,794	48,119	47,659	52	61	86.918	51.808,127	918.044,621	17,720	17,260
3	12	98.957	96.046,422	4.572.259,274	47,605	47,145	53	62	85.922	50.707,373	866.236,494	17,083	16,623
4	13	98.930	95.070,044	4.476.212,852	47,083	46,623	54	63	84.845	49.575,798	815.529,121	16,450	15,990
5	14	98.907	94.107,015	4.381.142,808	46,555	46,095	55	64	83.695	48.420,059	765.953,323	15,819	15,359
6	15	98.882	93.151,647	4.287.035,793	46,022	45,562	56	65	82.461	47.233,840	717.533,264	15,191	14,731
7	16	98.853	92.202,128	4.193.884,146	45,486	45,026	57	66	81.147	46.020,971	670.299,424	14,565	14,105
8	17	98.820	91.258,633	4.101.682,018	44,946	44,486	58	67	79.717	44.761,955	624.278,453	13,947	13,487
9	18	98.787	90.324,461	4.010.423,385	44,400	43,940	59	68	78.154	43.450,201	579.516,499	13,337	12,878
10	19	98.749	89.396,073	3.920.098,924	43,851	43,391	60	69	76.448	42.080,938	536.066,298	12,739	12,279
11	20	98.712	88.478,113	3.830.702,851	43,295	42,836	61	70	74.623	40.669,648	493.985,360	12,146	11,686
12	21	98.667	87.561,771	3.742.224,738	42,738	42,278	62	71	72.679	39.217,861	453.315,712	11,559	11,099
13	22	98.630	86.662,292	3.654.662,967	42,171	41,711	63	72	70.538	37.685,503	414.097,851	10,988	10,528
14	23	98.590	85.769,896	3.568.000,676	41,600	41,140	64	73	68.265	36.110,194	376.412,348	10,424	9,964
15	24	98.546	84.882,870	3.482.230,779	41,024	40,564	65	74	65.819	34.471,556	340.302,154	9,872	9,412
16	25	98.496	83.999,794	3.397.347,909	40,445	39,985	66	75	63.194	32.769,268	305.830,599	9,333	8,873
17	26	98.434	83.115,801	3.313.348,115	39,864	39,404	67	76	60.378	30.998,884	273.061,330	8,809	8,349
18	27	98.357	82.228,135	3.230.232,314	39,284	38,824	68	77	57.374	29.165,089	242.062,447	8,300	7,840
19	28	98.254	81.328,533	3.148.004,179	38,707	38,247	69	78	54.195	27.276,483	212.897,357	7,805	7,345
20	29	98.145	80.434,565	3.066.675,646	38,126	37,666	70	79	50.843	25.335,814	185.620,875	7,326	6,866
21	30	98.042	79.554,344	2.986.241,081	37,537	37,077	71	80	47.315	23.344,453	160.285,061	6,866	6,406
22	31	97.933	78.679,147	2.906.686,738	36,944	36,484	72	81	43.593	21.294,972	136.940,608	6,431	5,971
23	32	97.824	77.813,607	2.828.007,590	36,343	35,883	73	82	39.714	19.207,927	115.645,636	6,021	5,561
24	33	97.717	76.958,695	2.750.193,984	35,736	35,276	74	83	35.707	17.098,818	96.437,709	5,640	5,180
25	34	97.607	76.111,017	2.673.235,288	35,123	34,663	75	84	31.741	15.049,136	79.338,891	5,272	4,812
26	35	97.490	75.267,018	2.597.124,272	34,505	34,045	76	85	27.840	13.069,185	64.289,755	4,919	4,459
27	36	97.370	74.430,380	2.521.857,254	33,882	33,422	77	86	24.155	11.226,828	51.220,569	4,562	4,102
28	37	97.246	73.599,103	2.447.426,874	33,253	32,794	78	87	20.531	9.447,961	39.993,741	4,233	3,773
29	38	97.115	72.772,184	2.373.827,771	32,620	32,160	79	88	17.011	7.750,835	30.545,780	3,941	3,481
30	39	96.979	71.950,624	2.301.055,587	31,981	31,521	80	89	13.790	6.220,917	22.794,946	3,664	3,204
31	40	96.830	71.129,231	2.229.104,963	31,339	30,879	81	90	10.873	4.856,456	16.574,029	3,413	2,953
32	41	96.670	70.308,148	2.157.975,732	30,693	30,233	82	91	8.349	3.692,130	11.717,573	3,174	2,714
33	42	96.495	69.486,243	2.087.667,585	30,044	29,584	83	92	6.148	2.691,696	8.025,442	2,982	2,522
34	43	96.302	68.660,603	2.018.181,341	29,394	28,934	84	93	4.387	1.901,891	5.333,746	2,804	2,344
35	44	96.085	67.827,711	1.949.520,739	28,742	28,282	85	94	3.029	1.300,145	3.431,855	2,640	2,180
36	45	95.851	66.992,487	1.881.693,028	28,088	27,628	86	95	2.026	861,067	2.131,710	2,476	2,016
37	46	95.591	66.149,240	1.814.700,541	27,433	26,973	87	96	1.296	545,258	1.270,643	2,330	1,870
38	47	95.304	65.297,686	1.748.551,301	26,778	26,318	88	97	790	329,025	725,385	2,205	1,745
39	48	94.987	64.436,537	1.683.253,615	26,123	25,663	89	98	459	189,412	396,360	2,093	1,633
40	49	94.640	63.565,180	1.618.817,078	25,467	25,007	90	99	255	103,985	206,948	1,990	1,530
41	50	94.250	62.676,226	1.555.251,898	24,814	24,354	91	100	134	54,359	102,962	1,894	1,434
42	51	93.833	61.781,290	1.492.575,672	24,159	23,699	92	101	67	26,862	48,603	1,809	1,349
43	52	93.366	60.865,173	1.430.794,383	23,508	23,048	93	102	32	12,549	21,741	1,733	1,273
44	53	92.853	59.931,631	1.369.929,209	22,858	22,398	94	103	14	5,528	9,192	1,663	1,203
45	54	92.312	58.992,193	1.309.997,578	22,206	21,746	95	104	6	2,291	3,664	1,600	1,140
46	55	91.707	58.025,854	1.251.005,385	21,559	21,099	96	105	2	0,891	1,373	1,542	1,082
47	56	91.050	57.039,514	1.192.979,531	20,915	20,455	97	106					
48	57	90.345	56.037,218	1.135.940,017	20,271	19,811	98	107					
49	58	89.574	55.009,277	1.079.902,799	19,631	19,171	99	108					
							100	109					

Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004

Altersdifferenz zwischen Mann und Frau (x - y) = -10 Jahre

Zinsfuß 1,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	10	99.488	99.488,163	4.836.096,247	48,610	48,150	50	60	88.292	53.684,754	997.828,917	18,587	18,127
1	11	99.026	98.045,485	4.736.608,084	48,310	47,850	51	61	87.371	52.598,711	944.144,162	17,950	17,490
2	12	98.977	97.026,420	4.638.562,599	47,807	47,347	52	62	86.429	51.516,584	891.545,451	17,306	16,846
3	13	98.948	96.038,265	4.541.536,179	47,289	46,829	53	63	85.381	50.388,277	840.028,867	16,671	16,211
4	14	98.921	95.060,833	4.445.497,914	46,765	46,305	54	64	84.267	49.238,592	789.640,590	16,037	15,577
5	15	98.896	94.096,049	4.350.437,081	46,234	45,774	55	65	83.083	48.065,972	740.401,998	15,404	14,944
6	16	98.865	93.135,004	4.256.341,032	45,701	45,241	56	66	81.788	46.848,064	692.336,026	14,778	14,318
7	17	98.832	92.182,602	4.163.206,028	45,163	44,703	57	67	80.412	45.604,178	645.487,963	14,154	13,694
8	18	98.798	91.238,554	4.071.023,427	44,620	44,160	58	68	78.906	44.306,950	599.883,784	13,539	13,079
9	19	98.758	90.298,484	3.979.784,873	44,074	43,614	59	69	77.260	42.953,236	555.576,835	12,934	12,474
10	20	98.722	89.371,292	3.889.486,388	43,521	43,061	60	70	75.473	41.544,062	512.623,599	12,339	11,879
11	21	98.681	88.450,167	3.800.115,096	42,963	42,503	61	71	73.563	40.091,588	471.079,537	11,750	11,290
12	22	98.643	87.540,347	3.711.664,930	42,399	41,939	62	72	71.501	38.582,050	430.987,949	11,171	10,711
13	23	98.603	86.638,829	3.624.124,583	41,830	41,370	63	73	69.266	37.006,067	392.405,899	10,604	10,144
14	24	98.565	85.747,518	3.537.485,754	41,255	40,795	64	74	66.874	35.374,544	355.399,831	10,047	9,587
15	25	98.520	84.859,809	3.451.738,236	40,676	40,216	65	75	64.321	33.686,924	320.025,287	9,500	9,040
16	26	98.472	83.979,124	3.366.878,426	40,092	39,632	66	76	61.556	31.919,642	286.338,363	8,971	8,511
17	27	98.407	83.092,532	3.282.899,302	39,509	39,049	67	77	58.630	30.101,517	254.418,721	8,452	7,992
18	28	98.328	82.204,171	3.199.806,770	38,925	38,465	68	78	55.508	28.216,276	224.317,204	7,950	7,490
19	29	98.225	81.304,393	3.117.602,599	38,345	37,885	69	79	52.187	26.265,559	196.100,928	7,466	7,006
20	30	98.117	80.411,021	3.036.298,206	37,760	37,300	70	80	48.704	24.270,034	169.835,370	6,998	6,538
21	31	98.010	79.528,296	2.955.887,185	37,168	36,708	71	81	45.010	22.207,243	145.565,336	6,555	6,095
22	32	97.898	78.651,043	2.876.358,889	36,571	36,111	72	82	41.163	20.107,907	123.358,093	6,135	5,675
23	33	97.790	77.785,938	2.797.707,846	35,967	35,507	73	83	37.147	17.966,632	103.250,186	5,747	5,287
24	34	97.678	76.927,944	2.719.921,908	35,357	34,897	74	84	33.148	15.873,552	85.283,554	5,373	4,913
25	35	97.561	76.075,334	2.642.993,964	34,742	34,282	75	85	29.190	13.839,764	69.410,002	5,015	4,555
26	36	97.440	75.228,485	2.566.918,629	34,122	33,662	76	86	25.423	11.934,458	55.570,237	4,656	4,196
27	37	97.315	74.388,292	2.491.690,145	33,496	33,036	77	87	21.720	10.095,002	43.635,779	4,323	3,863
28	38	97.186	73.553,971	2.417.301,852	32,864	32,404	78	88	18.111	8.334,257	33.540,777	4,024	3,564
29	39	97.047	72.721,279	2.343.747,882	32,229	31,769	79	89	14.774	6.731,391	25.206,520	3,745	3,285
30	40	96.901	71.893,045	2.271.026,603	31,589	31,129	80	90	11.746	5.298,822	18.475,130	3,487	3,027
31	41	96.746	71.067,349	2.199.133,558	30,944	30,484	81	91	9.096	4.062,611	13.176,307	3,243	2,783
32	42	96.574	70.238,649	2.128.066,208	30,298	29,838	82	92	6.784	3.000,225	9.113,696	3,038	2,578
33	43	96.386	69.408,094	2.057.827,560	29,648	29,188	83	93	4.885	2.138,849	6.113,471	2,858	2,398
34	44	96.177	68.571,480	1.988.419,466	28,998	28,538	84	94	3.404	1.475,885	3.974,623	2,693	2,233
35	45	95.951	67.733,294	1.919.847,986	28,344	27,884	85	95	2.293	984,027	2.498,738	2,539	2,079
36	46	95.699	66.886,236	1.852.114,692	27,691	27,231	86	96	1.494	634,799	1.514,710	2,386	1,926
37	47	95.419	66.030,437	1.785.228,455	27,036	26,576	87	97	929	391,039	879,911	2,250	1,790
38	48	95.118	65.170,705	1.719.198,018	26,380	25,920	88	98	550	229,247	488,872	2,133	1,673
39	49	94.786	64.299,936	1.654.027,313	25,724	25,264	89	99	310	128,048	259,625	2,028	1,568
40	50	94.412	63.412,196	1.589.727,378	25,070	24,610	90	100	167	68,118	131,577	1,932	1,472
41	51	94.011	62.517,867	1.526.315,181	24,414	23,954	91	101	85	34,461	63,459	1,842	1,382
42	52	93.572	61.609,708	1.463.797,315	23,759	23,299	92	102	41	16,459	28,999	1,762	1,302
43	53	93.084	60.681,165	1.402.187,607	23,107	22,647	93	103	19	7,421	12,540	1,690	1,230
44	54	92.560	59.742,394	1.341.506,441	22,455	21,995	94	104	8	3,152	5,119	1,624	1,164
45	55	91.991	58.787,004	1.281.764,047	21,804	21,344	95	105	3	1,257	1,967	1,564	1,104
46	56	91.360	57.806,119	1.222.977,043	21,157	20,697	96	106					
47	57	90.685	56.810,516	1.165.170,925	20,510	20,050	97	107					
48	58	89.941	55.787,119	1.108.360,408	19,868	19,408	98	108					
49	59	89.143	54.744,372	1.052.573,289	19,227	18,767	99	109					
							100	110					

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -11 Jahre

Zinsfuß 1,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	11	99.480	99.479,797	4.803.943,193	48,291	47,831	50	61	87.806	53.389,260	969.673,923	18,162	17,702
1	12	99.017	98.036,290	4.704.463,396	47,987	47,527	51	62	86.879	52.302,720	916.284,663	17,519	17,059
2	13	98.968	97.018,180	4.606.427,106	47,480	47,020	52	63	85.885	51.192,396	863.981,943	16,877	16,417
3	14	98.939	96.028,959	4.509.408,926	46,959	46,499	53	64	84.800	50.045,544	812.789,548	16,241	15,781
4	15	98.909	95.049,756	4.413.379,967	46,432	45,972	54	65	83.651	48.878,519	762.744,003	15,605	15,145
5	16	98.878	94.079,237	4.318.330,210	45,901	45,441	55	66	82.405	47.673,399	713.865,484	14,974	14,514
6	17	98.844	93.115,280	4.224.250,973	45,366	44,906	56	67	81.147	46.423,780	666.192,086	14,350	13,890
7	18	98.810	92.162,320	4.131.135,693	44,825	44,365	57	68	79.595	45.140,612	619.768,305	13,730	13,270
8	19	98.770	91.212,315	4.038.973,374	44,281	43,821	58	69	78.004	43.800,186	574.627,693	13,119	12,659
9	20	98.731	90.273,453	3.947.761,059	43,731	43,271	59	70	76.275	42.405,231	530.827,508	12,518	12,058
10	21	98.690	89.343,064	3.857.487,606	43,176	42,716	60	71	74.400	40.953,574	488.422,277	11,926	11,466
11	22	98.657	88.428,526	3.768.144,543	42,612	42,152	61	72	72.370	39.441,613	447.468,703	11,345	10,885
12	23	98.616	87.516,646	3.679.716,017	42,046	41,586	62	73	70.212	37.886,450	408.027,090	10,770	10,310
13	24	98.577	86.616,224	3.592.199,371	41,473	41,013	63	74	67.855	36.252,166	370.140,640	10,210	9,750
14	25	98.538	85.724,223	3.505.583,147	40,894	40,434	64	75	65.352	34.569,359	333.888,474	9,659	9,199
15	26	98.495	84.838,928	3.419.858,924	40,310	39,850	65	76	62.653	32.813,505	299.319,115	9,122	8,662
16	27	98.445	83.955,614	3.335.019,996	39,724	39,264	66	77	59.774	30.995,621	266.505,610	8,598	8,138
17	28	98.378	83.068,316	3.251.064,382	39,137	38,677	67	78	56.723	29.122,239	235.509,988	8,087	7,627
18	29	98.299	82.179,771	3.167.996,066	38,550	38,090	68	79	53.450	27.170,521	206.387,749	7,596	7,136
19	30	98.196	81.280,595	3.085.816,295	37,965	37,505	69	80	49.992	25.160,668	179.217,228	7,123	6,663
20	31	98.085	80.384,693	3.004.535,700	37,377	36,917	70	81	46.332	23.087,734	154.056,561	6,673	6,213
21	32	97.975	79.499,888	2.924.151,007	36,782	36,322	71	82	42.501	20.969,325	130.968,826	6,246	5,786
22	33	97.863	78.623,076	2.844.651,119	36,181	35,721	72	83	38.503	18.808,452	109.999,501	5,848	5,388
23	34	97.751	77.754,857	2.766.028,043	35,574	35,114	73	84	34.485	16.679,181	91.191,050	5,467	5,007
24	35	97.632	76.891,879	2.688.273,187	34,962	34,502	74	85	30.484	14.597,929	74.511,869	5,104	4,644
25	36	97.511	76.036,387	2.611.381,308	34,344	33,884	75	86	26.655	12.638,132	59.913,940	4,741	4,281
26	37	97.385	75.185,946	2.535.344,921	33,721	33,261	76	87	22.860	10.731,293	47.275,808	4,405	3,945
27	38	97.256	74.342,676	2.460.158,975	33,092	32,632	77	88	19.159	8.905,027	36.544,515	4,104	3,644
28	39	97.118	73.502,519	2.385.816,299	32,459	31,999	78	89	15.729	7.238,077	27.639,489	3,819	3,359
29	40	96.969	72.663,083	2.312.313,780	31,822	31,362	79	90	12.584	5.733,632	20.401,412	3,558	3,098
30	41	96.817	71.830,499	2.239.650,697	31,180	30,720	80	91	9.826	4.432,667	14.667,780	3,309	2,849
31	42	96.650	70.997,100	2.167.820,198	30,534	30,074	81	92	7.391	3.301,278	10.235,114	3,100	2,640
32	43	96.465	70.159,654	2.096.823,097	29,886	29,426	82	93	5.391	2.384,009	6.933,836	2,908	2,448
33	44	96.261	69.318,001	2.026.663,444	29,237	28,777	83	94	3.791	1.659,766	4.549,827	2,741	2,281
34	45	96.043	68.476,028	1.957.345,443	28,584	28,124	84	95	2.577	1.117,038	2.890,061	2,587	2,127
35	46	95.799	67.625,869	1.888.869,415	27,931	27,471	85	96	1.690	725,448	1.773,023	2,444	1,984
36	47	95.527	66.766,110	1.821.243,547	27,278	26,818	86	97	1.071	455,255	1.047,575	2,301	1,841
37	48	95.233	65.902,031	1.754.477,437	26,623	26,163	87	98	648	272,455	592,320	2,174	1,714
38	49	94.917	65.032,547	1.688.575,406	25,965	25,505	88	99	372	154,977	319,865	2,064	1,604
39	50	94.558	64.145,184	1.623.542,859	25,310	24,850	89	100	203	83,881	164,888	1,966	1,506
40	51	94.174	63.251,977	1.559.397,675	24,654	24,194	90	101	106	43,183	81,007	1,876	1,416
41	52	93.750	62.344,239	1.496.145,698	23,998	23,538	91	102	52	21,114	37,824	1,791	1,331
42	53	93.289	61.423,449	1.433.801,458	23,343	22,883	92	103	24	9,734	16,710	1,717	1,257
43	54	92.790	60.489,562	1.372.378,009	22,688	22,228	93	104	11	4,231	6,976	1,649	1,189
44	55	92.238	59.534,596	1.311.888,447	22,036	21,576	94	105	4	1,730	2,745	1,587	1,127
45	56	91.642	58.564,386	1.252.353,851	21,384	20,924	95	106					
46	57	90.993	57.574,043	1.193.789,465	20,735	20,275	96	107					
47	58	90.280	56.556,966	1.136.215,422	20,090	19,630	97	108					
48	59	89.508	55.518,469	1.079.658,456	19,447	18,987	98	109					
49	60	88.690	54.466,064	1.024.139,987	18,803	18,343	99	110					
							100	111					

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -12 Jahre

Zinsfuß 1,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	12	99.470	99.470,467	4.770.400,628	47,958	47,498	50	62	87.312	53.088,820	940.468,475	17,715	17,255
1	13	99.008	98.027,964	4.670.930,161	47,649	47,189	51	63	86.332	51.973,584	887.379,655	17,074	16,614
2	14	98.959	97.008,780	4.572.902,197	47,139	46,679	52	64	85.301	50.844,193	835.406,070	16,431	15,971
3	15	98.927	96.017,770	4.475.893,417	46,615	46,155	53	65	84.180	49.679,570	784.561,877	15,792	15,332
4	16	98.891	95.032,774	4.379.875,647	46,088	45,628	54	66	82.968	48.479,310	734.882,307	15,159	14,699
5	17	98.857	94.059,313	4.284.842,873	45,555	45,095	55	67	81.658	47.241,641	686.402,997	14,530	14,070
6	18	98.822	93.094,793	4.190.783,560	45,016	44,556	56	68	80.223	45.951,883	639.161,356	13,909	13,449
7	19	98.782	92.135,814	4.097.688,767	44,474	44,014	57	69	78.685	44.624,313	593.209,473	13,293	12,833
8	20	98.742	91.187,030	4.005.552,953	43,927	43,467	58	70	77.009	43.241,375	548.585,160	12,687	12,227
9	21	98.700	90.244,940	3.914.365,923	43,375	42,915	59	71	75.191	41.802,503	505.343,785	12,089	11,629
10	22	98.666	89.321,204	3.824.120,983	42,813	42,353	60	72	73.194	40.289,623	463.541,282	11,505	11,045
11	23	98.630	88.404,584	3.734.799,779	42,247	41,787	61	73	71.065	38.730,515	423.251,659	10,928	10,468
12	24	98.590	87.493,812	3.646.395,195	41,676	41,216	62	74	68.781	37.114,614	384.521,144	10,360	9,900
13	25	98.551	86.592,693	3.558.901,382	41,099	40,639	63	75	66.310	35.427,005	347.406,530	9,806	9,346
14	26	98.514	85.703,129	3.472.308,690	40,516	40,056	64	76	63.658	33.673,061	311.979,525	9,265	8,805
15	27	98.468	84.815,177	3.386.605,561	39,929	39,469	65	77	60.839	31.863,609	278.306,464	8,734	8,274
16	28	98.416	83.931,146	3.301.790,384	39,339	38,879	66	78	57.829	29.987,256	246.442,856	8,218	7,758
17	29	98.349	83.043,660	3.217.859,238	38,749	38,289	67	79	54.620	28.042,908	216.455,600	7,719	7,259
18	30	98.270	82.155,716	3.134.815,578	38,157	37,697	68	80	51.202	26.027,562	188.412,692	7,239	6,779
19	31	98.164	81.253,982	3.052.659,862	37,569	37,109	69	81	47.556	23.934,982	162.385,130	6,784	6,324
20	32	98.050	80.355,979	2.971.405,880	36,978	36,518	70	82	43.749	21.800,734	138.450,149	6,351	5,891
21	33	97.940	79.471,620	2.891.049,901	36,378	35,918	71	83	39.755	19.614,200	116.649,414	5,947	5,487
22	34	97.824	78.591,660	2.811.578,281	35,775	35,315	72	84	35.744	17.460,677	97.035,214	5,557	5,097
23	35	97.705	77.718,404	2.732.986,621	35,165	34,705	73	85	31.714	15.338,816	79.574,537	5,188	4,728
24	36	97.582	76.852,514	2.655.268,218	34,550	34,090	74	86	27.837	13.330,469	64.235,721	4,819	4,359
25	37	97.456	75.993,392	2.578.415,704	33,929	33,469	75	87	23.968	11.364,026	50.905,252	4,480	4,020
26	38	97.325	75.139,841	2.502.422,312	33,304	32,844	76	88	20.165	9.466,313	39.541,225	4,177	3,717
27	39	97.188	74.290,672	2.427.282,472	32,673	32,213	77	89	16.639	7.733,775	30.074,913	3,889	3,429
28	40	97.040	73.443,697	2.352.991,799	32,038	31,578	78	90	13.397	6.165,214	22.341,138	3,624	3,164
29	41	96.885	72.599,867	2.279.548,102	31,399	30,939	79	91	10.527	4.796,401	16.175,923	3,373	2,913
30	42	96.721	71.759,496	2.206.948,235	30,755	30,295	80	92	7.985	3.601,985	11.379,522	3,159	2,699
31	43	96.542	70.917,252	2.135.188,739	30,108	29,648	81	93	5.873	2.623,228	7.777,537	2,965	2,505
32	44	96.340	70.068,585	2.064.271,487	29,461	29,001	82	94	4.183	1.850,013	5.154,309	2,786	2,326
33	45	96.127	69.221,510	1.994.202,902	28,809	28,349	83	95	2.869	1.256,210	3.304,296	2,630	2,170
34	46	95.891	68.367,424	1.924.981,392	28,156	27,696	84	96	1.900	823,506	2.048,086	2,487	2,027
35	47	95.627	67.504,414	1.856.613,968	27,504	27,044	85	97	1.212	520,266	1.224,580	2,354	1,894
36	48	95.341	66.636,273	1.789.109,554	26,849	26,389	86	98	746	317,197	704,314	2,220	1,760
37	49	95.032	65.762,323	1.722.473,281	26,192	25,732	87	99	438	184,187	387,118	2,102	1,642
38	50	94.688	64.876,032	1.656.710,958	25,537	25,077	88	100	244	101,522	202,931	1,999	1,539
39	51	94.319	63.983,113	1.591.834,926	24,879	24,419	89	101	129	53,176	101,409	1,907	1,447
40	52	93.912	63.076,311	1.527.851,813	24,222	23,762	90	102	65	26,459	48,233	1,823	1,363
41	53	93.467	62.155,760	1.464.775,502	23,566	23,106	91	103	31	12,487	21,774	1,744	1,284
42	54	92.995	61.229,502	1.402.619,742	22,908	22,448	92	104	14	5,549	9,287	1,674	1,214
43	55	92.467	60.279,165	1.341.390,240	22,253	21,793	93	105	6	2,322	3,738	1,610	1,150
44	56	91.889	59.309,147	1.281.111,076	21,601	21,141	94	106					
45	57	91.274	58.329,266	1.221.801,929	20,947	20,487	95	107					
46	58	90.587	57.317,085	1.163.472,662	20,299	19,839	96	108					
47	59	89.845	56.284,609	1.106.155,577	19,653	19,193	97	109					
48	60	89.053	55.236,225	1.049.870,969	19,007	18,547	98	110					
49	61	88.202	54.166,269	994.634,744	18,363	17,903	99	111					
							100	112					

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -13 Jahre

Zinsfuß 1,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	13	99.462	99.462,020	4.735.488,063	47,611	47,151	50	63	86.762	52.754,737	910.240,126	17,254	16,794
1	14	98.999	98.018,466	4.636.026,044	47,297	46,837	51	64	85.745	51.620,069	857.485,389	16,611	16,151
2	15	98.947	96.997,476	4.538.007,578	46,785	46,325	52	65	84.677	50.472,379	805.865,320	15,966	15,506
3	16	98.910	96.000,614	4.441.010,102	46,260	45,800	53	66	83.493	49.273,819	755.392,941	15,331	14,871
4	17	98.871	95.012,648	4.345.009,488	45,731	45,271	54	67	82.217	48.040,253	706.119,123	14,698	14,239
5	18	98.836	94.038,618	4.249.996,839	45,194	44,734	55	68	80.828	46.761,430	658.078,870	14,073	13,613
6	19	98.794	93.068,020	4.155.958,221	44,655	44,195	56	69	79.306	45.426,305	611.317,440	13,457	12,997
7	20	98.755	92.110,274	4.062.890,201	44,109	43,649	57	70	77.681	44.054,988	565.891,135	12,845	12,385
8	21	98.711	91.158,228	3.970.779,928	43,559	43,099	58	71	75.914	42.626,763	521.836,147	12,242	11,782
9	22	98.675	90.222,859	3.879.621,700	43,000	42,540	59	72	73.972	41.124,789	479.209,384	11,653	11,193
10	23	98.639	89.297,021	3.789.398,840	42,436	41,976	60	73	71.874	39.563,237	438.084,595	11,073	10,613
11	24	98.604	88.381,519	3.700.101,819	41,865	41,405	61	74	69.617	37.941,483	398.521,358	10,504	10,044
12	25	98.563	87.470,042	3.611.720,300	41,291	40,831	62	75	67.216	36.269,822	360.579,875	9,942	9,482
13	26	98.526	86.571,385	3.524.250,258	40,709	40,249	63	76	64.591	34.508,470	324.310,053	9,398	8,938
14	27	98.486	85.679,135	3.437.678,873	40,123	39,663	64	77	61.815	32.698,281	289.801,583	8,863	8,403
15	28	98.439	84.790,459	3.351.999,738	39,533	39,073	65	78	58.860	30.827,005	257.103,301	8,340	7,880
16	29	98.387	83.906,234	3.267.209,279	38,939	38,479	66	79	55.686	28.875,865	226.276,296	7,836	7,376
17	30	98.320	83.019,352	3.183.303,045	38,344	37,884	67	80	52.323	26.863,250	197.400,431	7,348	6,888
18	31	98.238	82.128,817	3.100.283,692	37,749	37,289	68	81	48.708	24.759,646	170.537,181	6,888	6,428
19	32	98.129	81.224,957	3.018.154,876	37,158	36,698	69	82	44.905	22.600,753	145.777,535	6,450	5,990
20	33	98.015	80.327,406	2.936.929,918	36,562	36,102	70	83	40.922	20.391,881	123.176,782	6,040	5,581
21	34	97.901	79.439,865	2.856.602,512	35,959	35,499	71	84	36.906	18.208,688	102.784,901	5,645	5,185
22	35	97.778	78.554,815	2.777.162,647	35,353	34,893	72	85	32.871	16.057,510	84.576,214	5,267	4,807
23	36	97.655	77.678,615	2.698.607,832	34,741	34,281	73	86	28.961	14.007,029	68.518,704	4,892	4,432
24	37	97.527	76.809,057	2.620.929,217	34,123	33,663	74	87	25.031	11.986,566	54.511,675	4,548	4,088
25	38	97.397	75.946,791	2.544.120,161	33,499	33,039	75	88	21.143	10.024,461	42.525,109	4,242	3,782
26	39	97.257	75.087,279	2.468.173,369	32,871	32,411	76	89	17.513	8.221,237	32.500,648	3,953	3,493
27	40	97.110	74.231,220	2.393.086,090	32,238	31,778	77	90	14.173	6.587,438	24.279,411	3,686	3,226
28	41	96.956	73.379,803	2.318.854,870	31,601	31,141	78	91	11.207	5.157,437	17.691,973	3,430	2,970
29	42	96.789	72.528,103	2.245.475,067	30,960	30,500	79	92	8.554	3.897,556	12.534,536	3,216	2,756
30	43	96.612	71.678,790	2.172.946,964	30,315	29,855	80	93	6.345	2.862,173	8.636,981	3,018	2,558
31	44	96.416	70.825,200	2.101.268,174	29,668	29,208	81	94	4.558	2.035,649	5.774,807	2,837	2,377
32	45	96.206	69.971,049	2.030.442,974	29,018	28,558	82	95	3.166	1.400,200	3.739,158	2,670	2,210
33	46	95.975	69.111,724	1.960.471,925	28,367	27,907	83	96	2.115	926,107	2.338,958	2,526	2,066
34	47	95.718	68.244,638	1.891.360,202	27,714	27,254	84	97	1.362	590,589	1.412,851	2,392	1,932
35	48	95.441	67.373,142	1.823.115,564	27,060	26,600	85	98	845	362,492	822,262	2,268	1,808
36	49	95.139	66.495,009	1.755.742,422	26,404	25,944	86	99	505	214,434	459,769	2,144	1,684
37	50	94.803	65.604,051	1.689.247,414	25,749	25,289	87	100	287	120,656	245,335	2,033	1,573
38	51	94.449	64.712,114	1.623.643,362	25,090	24,630	88	101	154	64,359	124,679	1,937	1,477
39	52	94.057	63.805,416	1.558.931,248	24,433	23,973	89	102	79	32,581	60,320	1,851	1,391
40	53	93.628	62.885,618	1.495.125,832	23,775	23,315	90	103	38	15,648	27,739	1,773	1,313
41	54	93.172	61.959,500	1.432.240,213	23,116	22,656	91	104	18	7,119	12,091	1,698	1,238
42	55	92.671	61.016,531	1.370.280,713	22,458	21,998	92	105	8	3,046	4,972	1,633	1,173
43	56	92.117	60.050,896	1.309.264,182	21,803	21,343	93	106					
44	57	91.520	59.071,037	1.249.213,286	21,148	20,688	94	107					
45	58	90.867	58.068,938	1.190.142,248	20,495	20,035	95	108					
46	59	90.151	57.041,067	1.132.073,311	19,847	19,387	96	109					
47	60	89.388	55.998,470	1.075.032,243	19,198	18,738	97	110					
48	61	88.563	54.932,191	1.019.033,774	18,551	18,091	98	111					
49	62	87.705	53.861,456	964.101,583	17,900	17,440	99	112					
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -14 Jahre

Zinsfuß 1,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	14	99.452	99.452,383	4.699.226,299	47,251	46,791	50	64	86.172	52.395,908	879.048,762	16,777	16,317
1	15	98.987	98.007,045	4.599.773,917	46,933	46,473	51	65	85.118	51.242,580	826.652,853	16,132	15,672
2	16	98.929	96.980,145	4.501.766,872	46,419	45,959	52	66	83.985	50.060,152	775.410,273	15,490	15,030
3	17	98.889	95.980,284	4.404.786,727	45,893	45,433	53	67	82.737	48.827,566	725.350,121	14,855	14,395
4	18	98.849	94.991,743	4.308.806,443	45,360	44,900	54	68	81.381	47.551,924	676.522,554	14,227	13,767
5	19	98.807	94.011,574	4.213.814,699	44,822	44,362	55	69	79.904	46.226,593	628.970,630	13,606	13,146
6	20	98.766	93.042,221	4.119.803,126	44,279	43,819	56	70	78.294	44.846,748	582.744,038	12,994	12,534
7	21	98.723	92.081,180	4.026.760,905	43,731	43,271	57	71	76.577	43.428,811	537.897,290	12,386	11,926
8	22	98.687	91.135,924	3.934.679,725	43,174	42,714	58	72	74.683	41.935,686	494.468,479	11,791	11,331
9	23	98.649	90.198,432	3.843.543,801	42,612	42,152	59	73	72.638	40.383,346	452.532,793	11,206	10,746
10	24	98.614	89.273,723	3.753.345,368	42,043	41,583	60	74	70.410	38.757,241	412.149,447	10,634	10,174
11	25	98.578	88.357,508	3.664.071,645	41,469	41,009	61	75	68.033	37.077,870	373.392,206	10,070	9,611
12	26	98.539	87.448,519	3.575.714,138	40,889	40,429	62	76	65.473	35.329,435	336.314,336	9,519	9,059
13	27	98.499	86.547,149	3.488.265,619	40,305	39,845	63	77	62.721	33.509,507	300.984,901	8,982	8,522
14	28	98.457	85.654,166	3.401.718,470	39,715	39,255	64	78	59.804	31.634,524	267.475,394	8,455	7,995
15	29	98.410	84.765,291	3.316.064,305	39,121	38,661	65	79	56.679	29.684,491	235.840,870	7,945	7,485
16	30	98.358	83.881,674	3.231.299,013	38,522	38,062	66	80	53.343	27.661,168	206.156,379	7,453	6,993
17	31	98.288	82.992,170	3.147.417,340	37,924	37,464	67	81	49.774	25.554,624	178.495,210	6,985	6,525
18	32	98.203	82.099,480	3.064.425,169	37,326	36,866	68	82	45.993	23.379,447	152.940,586	6,542	6,082
19	33	98.094	81.196,076	2.982.325,689	36,730	36,270	69	83	42.003	21.140,199	129.561,139	6,129	5,669
20	34	97.976	80.295,309	2.901.129,614	36,131	35,671	70	84	37.989	18.930,641	108.420,940	5,727	5,267
21	35	97.855	79.402,622	2.820.834,305	35,526	35,066	71	85	33.940	16.745,410	89.490,299	5,344	4,884
22	36	97.728	78.514,598	2.741.431,683	34,916	34,456	72	86	30.017	14.663,323	72.744,890	4,961	4,501
23	37	97.599	77.634,691	2.662.917,085	34,301	33,841	73	87	26.041	12.594,919	58.081,567	4,612	4,152
24	38	97.467	76.761,956	2.585.282,394	33,679	33,219	74	88	22.080	10.573,617	45.486,648	4,302	3,842
25	39	97.328	75.893,665	2.508.520,437	33,053	32,593	75	89	18.362	8.705,973	34.913,031	4,010	3,550
26	40	97.179	75.027,190	2.432.626,772	32,423	31,963	76	90	14.917	7.002,646	26.207,057	3,742	3,282
27	41	97.025	74.166,641	2.357.599,582	31,788	31,328	77	91	11.856	5.510,643	19.204,412	3,485	3,025
28	42	96.860	73.307,268	2.283.432,942	31,149	30,689	78	92	9.107	4.190,933	13.693,769	3,267	2,807
29	43	96.680	72.446,533	2.210.125,674	30,507	30,047	79	93	6.797	3.097,037	9.502,836	3,068	2,608
30	44	96.487	71.585,750	2.137.679,141	29,862	29,402	80	94	4.923	2.221,073	6.405,799	2,884	2,424
31	45	96.282	70.726,611	2.066.093,392	29,212	28,752	81	95	3.449	1.540,700	4.184,726	2,716	2,256
32	46	96.053	69.860,074	1.995.366,781	28,562	28,102	82	96	2.334	1.032,260	2.644,026	2,561	2,101
33	47	95.802	68.987,600	1.925.506,707	27,911	27,451	83	97	1.517	664,171	1.611,766	2,427	1,967
34	48	95.532	68.111,926	1.856.519,107	27,257	26,797	84	98	949	411,490	947,595	2,303	1,843
35	49	95.239	67.230,315	1.788.407,181	26,601	26,141	85	99	571	245,055	536,104	2,188	1,728
36	50	94.910	66.334,974	1.721.176,866	25,947	25,487	86	100	331	140,470	291,049	2,072	1,612
37	51	94.563	65.438,294	1.654.841,892	25,289	24,829	87	101	182	76,490	150,579	1,969	1,509
38	52	94.187	64.532,393	1.589.403,598	24,630	24,170	88	102	95	39,433	74,090	1,879	1,419
39	53	93.773	63.612,519	1.524.871,204	23,971	23,511	89	103	47	19,269	34,656	1,799	1,339
40	54	93.332	62.687,054	1.461.258,685	23,310	22,850	90	104	22	8,921	15,388	1,725	1,265
41	55	92.848	61.743,990	1.398.571,631	22,651	22,191	91	105	10	3,907	6,467	1,655	1,195
42	56	92.320	60.785,470	1.336.827,640	21,993	21,533	92	106					
43	57	91.747	59.809,809	1.276.042,170	21,335	20,875	93	107					
44	58	91.111	58.807,398	1.216.232,362	20,682	20,222	94	108					
45	59	90.429	57.789,299	1.157.424,964	20,028	19,568	95	109					
46	60	89.693	56.751,083	1.099.635,665	19,376	18,916	96	110					
47	61	88.896	55.690,240	1.042.884,582	18,727	18,267	97	111					
48	62	88.065	54.623,068	987.194,342	18,073	17,613	98	112					
49	63	87.153	53.522,512	932.571,273	17,424	16,964	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -15 Jahre

Zinsfuß 1,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	15	99.441	99.440,794	4.661.640,799	46,879	46,419	50	65	85.542	52.012,747	846.948,301	16,283	15,823
1	16	98.969	97.989,534	4.562.200,005	46,558	46,098	51	66	84.423	50.824,063	794.935,555	15,641	15,181
2	17	98.908	96.959,608	4.464.210,472	46,042	45,582	52	67	83.225	49.606,778	744.111,492	15,000	14,540
3	18	98.867	95.959,166	4.367.250,864	45,512	45,052	53	68	81.896	48.331,234	694.504,713	14,370	13,910
4	19	98.820	94.964,425	4.271.291,698	44,978	44,518	54	69	80.450	47.008,046	646.173,479	13,746	13,286
5	20	98.780	93.985,513	4.176.327,274	44,436	43,976	55	70	78.884	45.636,826	599.165,434	13,129	12,669
6	21	98.735	93.012,833	4.082.341,760	43,890	43,430	56	71	77.181	44.209,317	553.528,608	12,521	12,061
7	22	98.699	92.058,651	3.989.328,928	43,335	42,875	57	72	75.335	42.724,731	509.319,291	11,921	11,461
8	23	98.660	91.111,250	3.897.270,277	42,775	42,315	58	73	73.337	41.179,623	466.594,559	11,331	10,871
9	24	98.623	90.174,899	3.806.159,027	42,209	41,749	59	74	71.158	39.560,642	425.414,937	10,753	10,294
10	25	98.587	89.249,469	3.715.984,128	41,636	41,176	60	75	68.807	37.875,059	385.854,295	10,188	9,728
11	26	98.553	88.335,766	3.626.734,659	41,056	40,596	61	76	66.269	36.116,533	347.979,236	9,635	9,175
12	27	98.512	87.424,037	3.538.398,893	40,474	40,014	62	77	63.578	34.306,706	311.862,703	9,090	8,630
13	28	98.470	86.521,926	3.450.974,856	39,886	39,426	63	78	60.681	32.419,359	277.555,997	8,561	8,101
14	29	98.428	85.628,742	3.364.452,930	39,291	38,831	64	79	57.587	30.462,082	245.136,638	8,047	7,587
15	30	98.381	84.740,480	3.278.824,189	38,693	38,233	65	80	54.294	28.435,779	214.674,556	7,549	7,089
16	31	98.326	83.854,210	3.194.083,709	38,091	37,631	66	81	50.745	26.313,672	186.238,777	7,078	6,618
17	32	98.253	82.962,525	3.110.229,499	37,490	37,030	67	82	46.999	24.130,110	159.925,105	6,628	6,168
18	33	98.168	82.070,287	3.027.266,974	36,886	36,426	68	83	43.020	21.868,570	135.794,995	6,210	5,750
19	34	98.055	81.163,632	2.945.196,687	36,287	35,827	69	84	38.993	19.625,336	113.926,424	5,805	5,345
20	35	97.930	80.257,665	2.864.033,055	35,685	35,225	70	85	34.936	17.409,346	94.301,088	5,417	4,957
21	36	97.805	79.361,971	2.783.775,391	35,077	34,617	71	86	30.993	15.291,496	76.891,742	5,028	4,568
22	37	97.673	78.470,201	2.704.413,419	34,464	34,004	72	87	26.991	13.185,049	61.600,247	4,672	4,212
23	38	97.540	77.587,084	2.625.943,218	33,845	33,385	73	88	22.971	11.110,259	48.415,198	4,358	3,898
24	39	97.399	76.708,260	2.548.356,134	33,221	32,761	74	89	19.176	9.182,901	37.304,939	4,062	3,602
25	40	97.251	75.832,931	2.471.647,874	32,593	32,133	75	90	15.640	7.415,532	28.122,038	3,792	3,332
26	41	97.095	74.961,917	2.395.814,943	31,960	31,500	76	91	12.479	5.857,980	20.706,506	3,535	3,075
27	42	96.930	74.093,328	2.320.853,026	31,323	30,863	77	92	9.634	4.477,948	14.848,526	3,316	2,856
28	43	96.751	73.224,821	2.246.759,698	30,683	30,223	78	93	7.237	3.330,158	10.370,578	3,114	2,654
29	44	96.555	72.352,496	2.173.534,877	30,041	29,581	79	94	5.275	2.403,329	7.040,421	2,929	2,469
30	45	96.352	71.486,102	2.101.182,381	29,393	28,933	80	95	3.726	1.681,040	4.637,092	2,758	2,298
31	46	96.129	70.614,437	2.029.696,279	28,743	28,283	81	96	2.543	1.135,841	2.956,052	2,603	2,143
32	47	95.881	69.734,607	1.959.081,842	28,093	27,633	82	97	1.674	740,300	1.820,211	2,459	1,999
33	48	95.616	68.853,444	1.889.347,235	27,440	26,980	83	98	1.057	462,758	1.079,911	2,334	1,874
34	49	95.330	67.967,533	1.820.493,791	26,785	26,325	84	99	642	278,179	617,153	2,219	1,759
35	50	95.009	67.068,510	1.752.526,258	26,130	25,670	85	100	374	160,529	338,974	2,112	1,652
36	51	94.670	66.167,370	1.685.457,748	25,473	25,013	86	101	210	89,051	178,445	2,004	1,544
37	52	94.301	65.256,556	1.619.290,378	24,814	24,354	87	102	111	46,865	89,394	1,907	1,447
38	53	93.902	64.337,299	1.554.033,822	24,154	23,694	88	103	56	23,321	42,529	1,824	1,364
39	54	93.477	63.411,660	1.489.696,523	23,492	23,032	89	104	27	10,985	19,208	1,749	1,289
40	55	93.008	62.469,014	1.426.284,863	22,832	22,372	90	105	12	4,896	8,223	1,679	1,219
41	56	92.496	61.510,175	1.363.815,850	22,172	21,712	91	106					
42	57	91.950	60.541,433	1.302.305,675	21,511	21,051	92	107					
43	58	91.337	59.542,872	1.241.764,242	20,855	20,395	93	108					
44	59	90.673	58.524,203	1.182.221,369	20,201	19,741	94	109					
45	60	89.970	57.495,511	1.123.697,166	19,544	19,084	95	110					
46	61	89.199	56.438,711	1.066.201,655	18,891	18,431	96	111					
47	62	88.396	55.376,852	1.009.762,945	18,234	17,774	97	112					
48	63	87.511	54.279,331	954.386,093	17,583	17,123	98						
49	64	86.560	53.158,460	900.106,762	16,933	16,473	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -16 Jahre

Zinsfuß 1,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	16	99.423	99.423,027	4.622.759,856	46,496	46,036	50	66	84.843	51.587,939	813.994,661	15,779	15,319
1	17	98.948	97.968,782	4.523.336,830	46,171	45,711	51	67	83.658	50.363,771	762.406,722	15,138	14,678
2	18	98.887	96.938,274	4.425.368,048	45,651	45,191	52	68	82.379	49.102,526	712.042,951	14,501	14,041
3	19	98.838	95.931,569	4.328.429,773	45,120	44,660	53	69	80.959	47.778,442	662.940,425	13,875	13,415
4	20	98.793	94.938,100	4.232.498,204	44,582	44,122	54	70	79.424	46.408,309	615.161,983	13,255	12,795
5	21	98.749	93.955,827	4.137.560,104	44,037	43,577	55	71	77.763	44.988,165	568.753,674	12,642	12,182
6	22	98.711	92.990,075	4.043.604,277	43,484	43,024	56	72	75.930	43.492,584	523.765,509	12,043	11,583
7	23	98.673	92.033,727	3.950.614,202	42,926	42,466	57	73	73.977	41.954,442	480.272,926	11,447	10,988
8	24	98.635	91.087,478	3.858.580,475	42,361	41,901	58	74	71.843	40.340,697	438.318,483	10,865	10,405
9	25	98.596	90.150,400	3.767.492,997	41,791	41,331	59	75	69.538	38.660,174	397.977,787	10,294	9,834
10	26	98.563	89.227,508	3.677.342,596	41,213	40,753	60	76	67.023	36.893,053	359.317,613	9,739	9,279
11	27	98.526	88.311,035	3.588.115,088	40,630	40,170	61	77	64.351	35.071,019	322.424,560	9,193	8,733
12	28	98.483	87.398,559	3.499.804,053	40,044	39,584	62	78	61.509	33.190,623	287.353,541	8,658	8,198
13	29	98.441	86.496,244	3.412.405,494	39,451	38,992	63	79	58.432	31.217,829	254.162,918	8,142	7,682
14	30	98.399	85.603,678	3.325.909,250	38,852	38,392	64	80	55.165	29.180,659	222.945,090	7,640	7,180
15	31	98.349	84.712,734	3.240.305,572	38,251	37,791	65	81	51.649	27.050,548	193.764,430	7,163	6,703
16	32	98.291	83.824,256	3.155.592,838	37,645	37,185	66	82	47.916	24.846,846	166.713,882	6,710	6,250
17	33	98.218	82.933,025	3.071.768,582	37,039	36,579	67	83	43.962	22.570,723	141.867,036	6,285	5,825
18	34	98.129	82.037,494	2.988.835,557	36,433	35,973	68	84	39.938	20.301,514	119.296,313	5,876	5,416
19	35	98.009	81.125,581	2.906.798,063	35,831	35,371	69	85	35.860	18.048,214	98.994,799	5,485	5,025
20	36	97.879	80.216,577	2.825.672,482	35,226	34,766	70	86	31.903	15.897,786	80.946,585	5,092	4,632
21	37	97.750	79.317,095	2.745.455,906	34,614	34,154	71	87	27.869	13.749,892	65.048,799	4,731	4,271
22	38	97.613	78.422,082	2.666.138,811	33,997	33,537	72	88	23.809	11.630,826	51.298,907	4,411	3,951
23	39	97.471	77.532,811	2.587.716,728	33,376	32,916	73	89	19.950	9.648,959	39.668,081	4,111	3,651
24	40	97.321	76.646,873	2.510.183,918	32,750	32,290	74	90	16.334	7.821,767	30.019,122	3,838	3,378
25	41	97.166	75.766,957	2.433.537,044	32,119	31,659	75	91	13.084	6.203,375	22.197,355	3,578	3,118
26	42	96.999	74.887,819	2.357.770,087	31,484	31,024	76	92	10.140	4.760,194	15.993,979	3,360	2,900
27	43	96.821	74.009,997	2.282.882,268	30,846	30,386	77	93	7.656	3.558,223	11.233,785	3,157	2,697
28	44	96.626	73.129,774	2.208.872,271	30,205	29,745	78	94	5.616	2.584,233	7.675,562	2,970	2,510
29	45	96.420	72.251,781	2.135.742,497	29,560	29,100	79	95	3.992	1.818,982	5.091,330	2,799	2,339
30	46	96.200	71.372,724	2.063.490,717	28,911	28,451	80	96	2.747	1.239,302	3.272,347	2,640	2,180
31	47	95.957	70.487,615	1.992.117,993	28,262	27,802	81	97	1.824	814,584	2.033,045	2,496	2,036
32	48	95.694	69.598,998	1.921.630,377	27,610	27,150	82	98	1.166	515,800	1.218,461	2,362	1,902
33	49	95.413	68.707,479	1.852.031,380	26,955	26,495	83	99	714	312,837	702,660	2,246	1,786
34	50	95.100	67.803,954	1.783.323,901	26,301	25,841	84	100	420	182,228	389,823	2,139	1,679
35	51	94.769	66.899,053	1.715.519,947	25,643	25,183	85	101	237	101,767	207,595	2,040	1,580
36	52	94.407	65.983,607	1.648.620,894	24,985	24,525	86	102	128	54,562	105,828	1,940	1,480
37	53	94.016	65.059,272	1.582.637,287	24,326	23,866	87	103	66	27,716	51,266	1,850	1,390
38	54	93.606	64.134,151	1.517.578,014	23,663	23,203	88	104	32	13,295	23,550	1,771	1,311
39	55	93.151	63.191,099	1.453.443,863	23,001	22,541	89	105	15	6,029	10,255	1,701	1,241
40	56	92.656	62.232,452	1.390.252,765	22,340	21,880	90	106					
41	57	92.125	61.263,228	1.328.020,312	21,677	21,217	91	107					
42	58	91.539	60.271,232	1.266.757,084	21,018	20,558	92	108					
43	59	90.898	59.256,136	1.206.485,852	20,361	19,901	93	109					
44	60	90.212	58.226,679	1.147.229,716	19,703	19,243	94	110					
45	61	89.474	57.179,041	1.089.003,037	19,045	18,586	95	111					
46	62	88.697	56.121,110	1.031.823,996	18,386	17,926	96	112					
47	63	87.840	55.028,371	975.702,886	17,731	17,271	97						
48	64	86.915	53.910,132	920.674,515	17,078	16,618	98						
49	65	85.927	52.769,722	866.764,383	16,425	15,965	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -17 Jahre

Zinsfuß 1,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	17	99.402	99.401,972	4.582.617,574	46,102	45,642	50	67	84.075	51.120,729	780.263,168	15,263	14,803
1	18	98.927	97.947,227	4.483.215,602	45,772	45,312	51	68	82.808	49.851,823	729.142,439	14,626	14,166
2	19	98.858	96.910,396	4.385.268,375	45,251	44,791	52	69	81.437	48.540,912	679.290,616	13,994	13,534
3	20	98.811	95.904,976	4.288.357,980	44,715	44,255	53	70	79.926	47.168,877	630.749,704	13,372	12,912
4	21	98.762	94.908,113	4.192.453,003	44,174	43,714	54	71	78.295	45.748,683	583.580,827	12,756	12,296
5	22	98.724	93.932,839	4.097.544,890	43,622	43,162	55	72	76.502	44.258,805	537.832,145	12,152	11,692
6	23	98.684	92.964,899	4.003.612,051	43,066	42,606	56	73	74.561	42.708,451	493.573,340	11,557	11,097
7	24	98.647	92.009,714	3.910.647,152	42,503	42,043	57	74	72.470	41.099,731	450.864,889	10,970	10,510
8	25	98.608	91.062,732	3.818.637,438	41,934	41,474	58	75	70.208	39.422,473	409.765,158	10,394	9,934
9	26	98.572	90.128,217	3.727.574,706	41,359	40,899	59	76	67.735	37.657,811	370.342,684	9,834	9,374
10	27	98.535	89.202,528	3.637.446,489	40,777	40,317	60	77	65.083	35.825,060	332.684,874	9,286	8,826
11	28	98.497	88.285,299	3.548.243,961	40,191	39,731	61	78	62.257	33.930,071	296.859,814	8,749	8,289
12	29	98.454	87.372,617	3.459.958,662	39,600	39,140	62	79	59.230	31.960,508	262.929,743	8,227	7,767
13	30	98.412	86.470,926	3.372.586,045	39,003	38,543	63	80	55.974	29.904,615	230.969,235	7,724	7,264
14	31	98.367	85.575,649	3.286.115,119	38,400	37,940	64	81	52.478	27.759,142	201.064,620	7,243	6,783
15	32	98.314	84.682,474	3.200.539,469	37,795	37,335	65	82	48.770	25.542,646	173.305,478	6,785	6,325
16	33	98.256	83.794,450	3.115.856,995	37,185	36,725	66	83	44.820	23.241,140	147.762,832	6,358	5,898
17	34	98.179	82.899,887	3.032.062,545	36,575	36,115	67	84	40.812	20.953,352	124.521,692	5,943	5,483
18	35	98.083	81.999,033	2.949.162,658	35,966	35,506	68	85	36.728	18.670,053	103.568,340	5,547	5,087
19	36	97.958	81.084,048	2.867.163,625	35,360	34,900	69	86	32.746	16.481,185	84.898,287	5,151	4,691
20	37	97.824	80.171,217	2.786.079,577	34,752	34,292	70	87	28.687	14.295,060	68.417,102	4,786	4,326
21	38	97.690	79.268,456	2.705.908,360	34,136	33,676	71	88	24.584	12.129,087	54.122,043	4,462	4,002
22	39	97.545	78.367,225	2.626.639,903	33,517	33,057	72	89	20.678	10.101,058	41.992,955	4,157	3,697
23	40	97.393	77.470,764	2.548.272,678	32,893	32,433	73	90	16.993	8.218,744	31.891,898	3,880	3,420
24	41	97.237	76.580,192	2.470.801,914	32,264	31,804	74	91	13.664	6.543,206	23.673,153	3,618	3,158
25	42	97.070	75.692,063	2.394.221,722	31,631	31,171	75	92	10.632	5.040,863	17.129,947	3,398	2,938
26	43	96.890	74.803,594	2.318.529,659	30,995	30,535	76	93	8.058	3.782,498	12.089,084	3,196	2,736
27	44	96.695	73.913,931	2.243.726,065	30,356	29,896	77	94	5.941	2.761,213	8.306,586	3,008	2,548
28	45	96.491	73.027,977	2.169.812,134	29,712	29,252	78	95	4.250	1.955,901	5.545,373	2,835	2,375
29	46	96.267	72.137,189	2.096.784,158	29,067	28,607	79	96	2.943	1.340,997	3.589,472	2,677	2,217
30	47	96.027	71.244,540	2.024.646,969	28,418	27,958	80	97	1.970	888,783	2.248,475	2,530	2,070
31	48	95.770	70.350,542	1.953.402,429	27,767	27,307	81	98	1.271	567,558	1.359,692	2,396	1,936
32	49	95.492	69.451,452	1.883.051,887	27,113	26,653	82	99	788	348,695	792,134	2,272	1,812
33	50	95.184	68.542,119	1.813.600,435	26,460	26,000	83	100	468	204,932	443,439	2,164	1,704
34	51	94.860	67.632,639	1.745.058,316	25,802	25,342	84	101	266	115,523	238,507	2,065	1,605
35	52	94.506	66.713,258	1.677.425,677	25,144	24,684	85	102	145	62,353	122,984	1,972	1,512
36	53	94.122	65.784,125	1.610.712,419	24,485	24,025	86	103	76	32,268	60,631	1,879	1,419
37	54	93.719	64.853,845	1.544.928,294	23,822	23,362	87	104	38	15,801	28,363	1,795	1,335
38	55	93.280	63.911,077	1.480.074,449	23,158	22,698	88	105	18	7,297	12,562	1,722	1,262
39	56	92.799	62.951,803	1.416.163,372	22,496	22,036	89						
40	57	92.284	61.982,607	1.353.211,569	21,832	21,372	90						
41	58	91.714	60.989,805	1.291.228,963	21,171	20,711	91						
42	59	91.099	59.980,988	1.230.239,157	20,510	20,051	92						
43	60	90.435	58.954,890	1.170.258,169	19,850	19,390	93						
44	61	89.715	57.906,185	1.111.303,279	19,191	18,731	94						
45	62	88.971	56.857,275	1.053.397,094	18,527	18,067	95						
46	63	88.139	55.767,946	996.539,820	17,869	17,409	96						
47	64	87.242	54.654,077	940.771,874	17,213	16,753	97						
48	65	86.280	53.515,897	886.117,797	16,558	16,098	98						
49	66	85.226	52.338,732	832.601,900	15,908	15,448	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -18 Jahre

Zinsfuß 1,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	18	99.380	99.380,101	4.541.246,242	45,696	45,236	50	68	83.220	50.601,087	745.831,543	14,739	14,279
1	19	98.898	97.919,058	4.441.866,141	45,363	44,903	51	69	81.861	49.281,640	695.230,456	14,107	13,647
2	20	98.831	96.883,532	4.343.947,083	44,837	44,377	52	70	80.398	47.921,619	645.948,817	13,479	13,019
3	21	98.780	95.874,684	4.247.063,551	44,298	43,838	53	71	78.790	46.498,440	598.027,198	12,861	12,401
4	22	98.738	94.884,892	4.151.188,867	43,750	43,290	54	72	77.025	45.006,992	551.528,758	12,254	11,794
5	23	98.698	93.907,408	4.056.303,975	43,195	42,735	55	73	75.123	43.460,858	506.521,766	11,655	11,195
6	24	98.658	92.940,644	3.962.396,568	42,634	42,174	56	74	73.042	41.838,379	463.060,908	11,068	10,608
7	25	98.620	91.984,717	3.869.455,924	42,066	41,606	57	75	70.820	40.164,231	421.222,529	10,488	10,028
8	26	98.584	91.040,325	3.777.471,207	41,492	41,032	58	76	68.387	38.400,346	381.058,298	9,923	9,463
9	27	98.544	90.102,985	3.686.430,882	40,914	40,454	59	77	65.775	36.567,680	342.657,952	9,371	8,911
10	28	98.506	89.176,531	3.596.327,897	40,328	39,868	60	78	62.966	34.659,581	306.090,272	8,831	8,371
11	29	98.468	88.259,094	3.507.151,366	39,737	39,277	61	79	59.950	32.672,550	271.430,691	8,308	7,848
12	30	98.425	87.347,042	3.418.892,272	39,141	38,681	62	80	56.738	30.616,053	238.758,141	7,798	7,338
13	31	98.380	86.442,614	3.331.545,229	38,541	38,081	63	81	53.247	28.447,831	208.142,088	7,317	6,857
14	32	98.332	85.545,081	3.245.102,615	37,934	37,474	64	82	49.552	26.211,739	179.694,257	6,855	6,396
15	33	98.279	84.652,363	3.159.557,534	37,324	36,864	65	83	45.619	23.891,974	153.482,518	6,424	5,964
16	34	98.216	83.760,968	3.074.905,171	36,710	36,250	66	84	41.608	21.575,728	129.590,543	6,006	5,546
17	35	98.133	82.861,022	2.991.144,203	36,098	35,638	67	85	37.532	19.269,508	108.014,815	5,605	5,145
18	36	98.033	81.957,053	2.908.283,181	35,485	35,025	68	86	33.539	17.049,033	88.745,307	5,205	4,745
19	37	97.903	81.038,198	2.826.326,128	34,876	34,416	69	87	29.445	14.819,644	71.696,274	4,838	4,378
20	38	97.764	80.122,055	2.745.287,930	34,264	33,804	70	88	25.305	12.609,991	56.876,630	4,510	4,050
21	39	97.621	79.213,007	2.665.165,875	33,646	33,186	71	89	21.350	10.533,784	44.266,639	4,202	3,742
22	40	97.467	78.304,511	2.585.952,868	33,024	32,564	72	90	17.613	8.603,830	33.732,855	3,921	3,461
23	41	97.309	77.403,366	2.507.648,357	32,397	31,937	73	91	14.215	6.875,293	25.129,024	3,655	3,195
24	42	97.140	76.504,494	2.430.244,991	31,766	31,306	74	92	11.103	5.317,009	18.253,732	3,433	2,973
25	43	96.961	75.606,934	2.353.740,498	31,131	30,671	75	93	8.448	4.005,520	12.936,722	3,230	2,770
26	44	96.764	74.706,498	2.278.133,564	30,494	30,034	76	94	6.253	2.935,253	8.931,202	3,043	2,583
27	45	96.560	73.811,042	2.203.427,066	29,852	29,392	77	95	4.496	2.089,850	5.995,949	2,869	2,409
28	46	96.338	72.912,154	2.129.616,024	29,208	28,748	78	96	3.133	1.441,936	3.906,098	2,709	2,249
29	47	96.094	72.007,632	2.056.703,871	28,562	28,102	79	97	2.111	961,715	2.464,162	2,562	2,102
30	48	95.840	71.105,995	1.984.696,239	27,912	27,452	80	98	1.373	619,255	1.502,447	2,426	1,966
31	49	95.567	70.201,403	1.913.590,245	27,259	26,799	81	99	859	383,685	883,192	2,302	1,842
32	50	95.262	69.284,302	1.843.388,841	26,606	26,146	82	100	517	228,422	499,507	2,187	1,727
33	51	94.943	68.368,939	1.774.104,539	25,949	25,489	83	101	297	129,916	271,085	2,087	1,627
34	52	94.597	67.444,806	1.705.735,601	25,291	24,831	84	102	163	70,781	141,169	1,994	1,534
35	53	94.220	66.511,570	1.638.290,794	24,632	24,172	85	103	86	36,876	70,388	1,909	1,449
36	54	93.825	65.576,409	1.571.779,224	23,969	23,509	86	104	43	18,396	33,513	1,822	1,362
37	55	93.393	64.628,268	1.506.202,815	23,306	22,846	87	105	21	8,672	15,117	1,743	1,283
38	56	92.927	63.669,055	1.441.574,547	22,642	22,182	88	106					
39	57	92.426	62.699,069	1.377.905,493	21,976	21,517	89	107					
40	58	91.872	61.705,973	1.315.206,424	21,314	20,854	90	108					
41	59	91.272	60.696,101	1.253.500,451	20,652	20,192	91	109					
42	60	90.635	59.676,057	1.192.804,350	19,988	19,528	92	110					
43	61	89.938	58.630,388	1.133.128,292	19,327	18,867	93	111					
44	62	89.210	57.580,326	1.074.497,904	18,661	18,201	94	112					
45	63	88.411	56.499,478	1.016.917,578	17,999	17,539	95						
46	64	87.539	55.388,621	960.418,101	17,340	16,880	96						
47	65	86.604	54.254,402	905.029,479	16,681	16,221	97						
48	66	85.575	53.078,812	850.775,078	16,029	15,569	98						
49	67	84.454	51.864,722	797.696,265	15,380	14,920	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -19 Jahre

Zinsfuß 1,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	19	99.352	99.351,520	4.498.676,232	45,280	44,820	50	69	82.268	50.022,333	710.788,845	14,209	13,749
1	20	98.871	97.891,914	4.399.324,711	44,941	44,481	51	70	80.816	48.652,896	660.766,511	13,581	13,121
2	21	98.800	96.852,930	4.301.432,797	44,412	43,952	52	71	79.255	47.240,483	612.113,616	12,957	12,497
3	22	98.756	95.851,226	4.204.579,866	43,866	43,406	53	72	77.513	45.744,595	564.873,133	12,348	11,888
4	23	98.711	94.859,203	4.108.728,640	43,314	42,854	54	73	75.637	44.195,556	519.128,538	11,746	11,286
5	24	98.672	93.882,907	4.013.869,438	42,754	42,294	55	74	73.593	42.575,458	474.932,982	11,155	10,695
6	25	98.632	92.915,394	3.919.986,531	42,189	41,729	56	75	71.379	40.886,066	432.357,524	10,575	10,115
7	26	98.596	91.962,083	3.827.071,137	41,616	41,156	57	76	68.984	39.122,872	391.471,458	10,006	9,546
8	27	98.556	91.014,837	3.735.109,054	41,038	40,578	58	77	66.408	37.288,720	352.348,586	9,449	8,989
9	28	98.516	90.076,726	3.644.094,217	40,455	39,995	59	78	63.635	35.378,041	315.059,867	8,906	8,446
10	29	98.477	89.150,062	3.554.017,491	39,866	39,406	60	79	60.632	33.375,023	279.681,826	8,380	7,920
11	30	98.439	88.233,260	3.464.867,429	39,269	38,809	61	80	57.428	31.298,142	246.306,802	7,870	7,410
12	31	98.393	87.318,443	3.376.634,169	38,670	38,210	62	81	53.974	29.124,611	215.008,660	7,382	6,922
13	32	98.345	86.411,736	3.289.315,726	38,066	37,606	63	82	50.279	26.862,038	185.884,049	6,920	6,460
14	33	98.297	85.514,663	3.202.903,990	37,454	36,994	64	83	46.350	24.517,829	159.022,011	6,486	6,026
15	34	98.239	84.618,538	3.117.389,327	36,841	36,381	65	84	42.350	22.179,925	134.504,182	6,064	5,604
16	35	98.170	83.721,699	3.032.770,789	36,224	35,764	66	85	38.264	19.841,870	112.324,257	5,661	5,201
17	36	98.082	82.818,601	2.949.049,090	35,609	35,149	67	86	34.273	17.596,440	92.482,387	5,256	4,796
18	37	97.977	81.910,710	2.866.230,489	34,992	34,532	68	87	30.158	15.330,245	74.885,947	4,885	4,425
19	38	97.843	80.988,504	2.784.319,779	34,379	33,919	69	88	25.974	13.072,738	59.555,702	4,556	4,096
20	39	97.696	80.066,008	2.703.331,275	33,764	33,304	70	89	21.977	10.951,437	46.482,964	4,244	3,784
21	40	97.543	79.149,616	2.623.265,267	33,143	32,683	71	90	18.186	8.972,416	35.531,527	3,960	3,500
22	41	97.382	78.236,387	2.544.115,650	32,518	32,058	72	91	14.734	7.197,432	26.559,111	3,690	3,230
23	42	97.212	77.326,854	2.465.879,263	31,889	31,429	73	92	11.551	5.586,863	19.361,679	3,466	3,006
24	43	97.031	76.418,451	2.388.552,410	31,256	30,796	74	93	8.823	4.224,949	13.774,816	3,260	2,800
25	44	96.835	75.508,795	2.312.133,958	30,621	30,161	75	94	6.556	3.108,320	9.549,867	3,072	2,612
26	45	96.629	74.602,506	2.236.625,164	29,981	29,521	76	95	4.732	2.221,574	6.441,547	2,900	2,440
27	46	96.407	73.693,977	2.162.022,658	29,338	28,878	77	96	3.315	1.540,687	4.219,973	2,739	2,279
28	47	96.165	72.781,205	2.088.328,681	28,693	28,233	78	97	2.247	1.034,105	2.679,286	2,591	2,131
29	48	95.908	71.867,602	2.015.547,476	28,045	27,585	79	98	1.471	670,070	1.645,180	2,455	1,995
30	49	95.637	70.955,254	1.943.679,874	27,393	26,933	80	99	928	418,634	975,110	2,329	1,869
31	50	95.337	70.032,448	1.872.724,620	26,741	26,281	81	100	563	251,342	556,476	2,214	1,754
32	51	95.021	69.109,246	1.802.692,172	26,085	25,625	82	101	327	144,807	305,134	2,107	1,647
33	52	94.680	68.179,062	1.733.582,926	25,427	24,967	83	102	182	79,600	160,327	2,014	1,554
34	53	94.311	67.240,907	1.665.403,864	24,768	24,308	84	103	97	41,860	80,727	1,928	1,469
35	54	93.923	66.301,557	1.598.162,957	24,104	23,644	85	104	49	21,023	38,867	1,849	1,389
36	55	93.498	65.348,318	1.531.861,400	23,441	22,982	86	105	24	10,097	17,844	1,767	1,307
37	56	93.039	64.383,530	1.466.513,082	22,778	22,318	87	106					
38	57	92.554	63.413,441	1.402.129,552	22,111	21,651	88	107					
39	58	92.014	62.419,238	1.338.716,111	21,447	20,987	89	108					
40	59	91.429	61.408,820	1.276.296,873	20,784	20,324	90	109					
41	60	90.808	60.387,535	1.214.888,053	20,118	19,658	91	110					
42	61	90.137	59.347,585	1.154.500,518	19,453	18,993	92	111					
43	62	89.432	58.300,454	1.095.152,933	18,785	18,325	93	112					
44	63	88.649	57.217,979	1.036.852,479	18,121	17,661	94						
45	64	87.810	56.115,177	979.634,500	17,458	16,998	95						
46	65	86.899	54.983,575	923.519,322	16,796	16,336	96						
47	66	85.897	53.811,286	868.535,748	16,140	15,680	97						
48	67	84.800	52.598,100	814.724,462	15,490	15,030	98						
49	68	83.595	51.337,518	762.126,362	14,845	14,385	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -20 Jahre

Zinsfuß 1,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	20	99.324	99.323,980	4.454.944,041	44,853	44,393	50	70	81.219	49.384,139	675.231,780	13,673	13,213
1	21	98.840	97.860,995	4.355.620,062	44,508	44,048	51	71	79.668	47.961,366	625.847,641	13,049	12,589
2	22	98.776	96.829,233	4.257.759,067	43,972	43,512	52	72	77.970	46.474,607	577.886,275	12,434	11,974
3	23	98.729	95.825,275	4.160.929,834	43,422	42,962	53	73	76.115	44.919,860	531.411,667	11,830	11,370
4	24	98.685	94.834,453	4.065.104,558	42,865	42,405	54	74	74.096	43.295,189	486.491,807	11,237	10,777
5	25	98.645	93.857,401	3.970.270,105	42,301	41,841	55	75	71.918	41.606,367	443.196,619	10,652	10,192
6	26	98.607	92.892,531	3.876.412,705	41,730	41,270	56	76	69.529	39.825,991	401.590,251	10,084	9,624
7	27	98.568	91.936,337	3.783.520,174	41,154	40,694	57	77	66.987	37.990,329	361.764,260	9,523	9,063
8	28	98.527	90.988,312	3.691.583,837	40,572	40,112	58	78	64.247	36.075,624	323.773,931	8,975	8,515
9	29	98.486	90.049,990	3.600.595,524	39,984	39,524	59	79	61.276	34.066,856	287.698,307	8,445	7,985
10	30	98.448	89.123,967	3.510.545,535	39,389	38,929	60	80	58.082	31.971,065	253.631,451	7,933	7,473
11	31	98.407	88.204,371	3.421.421,568	38,790	38,330	61	81	54.630	29.773,473	221.660,386	7,445	6,985
12	32	98.357	87.287,252	3.333.217,197	38,187	37,727	62	82	50.965	27.501,092	191.886,913	6,977	6,517
13	33	98.310	86.381,010	3.245.929,945	37,577	37,117	63	83	47.030	25.126,102	164.385,821	6,542	6,082
14	34	98.258	85.480,494	3.159.548,935	36,962	36,502	64	84	43.029	22.760,932	139.259,718	6,118	5,658
15	35	98.193	84.578,867	3.074.068,441	36,346	35,886	65	85	38.946	20.397,512	116.498,786	5,711	5,251
16	36	98.120	83.678,837	2.989.489,574	35,726	35,266	66	86	34.942	18.119,107	96.101,274	5,304	4,844
17	37	98.027	82.771,770	2.905.810,737	35,106	34,646	67	87	30.818	15.822,466	77.982,167	4,929	4,469
18	38	97.917	81.860,481	2.823.038,966	34,486	34,026	68	88	26.603	13.523,151	62.159,702	4,597	4,137
19	39	97.774	80.931,852	2.741.178,486	33,870	33,410	69	89	22.558	11.353,320	48.636,551	4,284	3,824
20	40	97.618	80.001,935	2.660.246,634	33,252	32,792	70	90	18.719	9.328,162	37.283,231	3,997	3,537
21	41	97.458	79.080,757	2.580.244,700	32,628	32,168	71	91	15.213	7.505,768	27.955,068	3,724	3,264
22	42	97.286	78.159,051	2.501.163,942	32,001	31,541	72	92	11.973	5.848,633	20.449,301	3,496	3,036
23	43	97.103	77.239,887	2.423.004,891	31,370	30,910	73	93	9.179	4.439,377	14.600,667	3,289	2,829
24	44	96.905	76.319,258	2.345.765,004	30,736	30,276	74	94	6.847	3.278,599	10.161,290	3,099	2,639
25	45	96.700	75.403,686	2.269.445,746	30,097	29,637	75	95	4.962	2.352,562	6.882,691	2,926	2,466
26	46	96.476	74.484,185	2.194.042,060	29,456	28,996	76	96	3.489	1.637,797	4.530,129	2,766	2,306
27	47	96.234	73.561,624	2.119.557,875	28,813	28,353	77	97	2.377	1.104,926	2.892,333	2,618	2,158
28	48	95.978	72.639,671	2.045.996,251	28,166	27,706	78	98	1.566	720,508	1.787,407	2,481	2,021
29	49	95.704	71.715,248	1.973.356,580	27,517	27,057	79	99	994	452,986	1.066,899	2,355	1,895
30	50	95.407	70.784,485	1.901.641,332	26,865	26,405	80	100	608	274,236	613,913	2,239	1,779
31	51	95.096	69.855,502	1.830.856,847	26,209	25,749	81	101	357	159,338	339,676	2,132	1,672
32	52	94.757	68.917,313	1.761.001,345	25,552	25,092	82	102	201	88,724	180,339	2,033	1,573
33	53	94.393	67.972,942	1.692.084,032	24,893	24,434	83	103	108	47,076	91,615	1,946	1,486
34	54	94.013	67.028,591	1.624.111,090	24,230	23,770	84	104	55	23,865	44,540	1,866	1,406
35	55	93.596	66.070,944	1.557.082,499	23,567	23,107	85	105	27	11,538	20,675	1,792	1,332
36	56	93.144	65.100,853	1.491.011,554	22,903	22,443	86	106					
37	57	92.666	64.125,048	1.425.910,701	22,236	21,776	87	107					
38	58	92.141	63.130,421	1.361.785,653	21,571	21,111	88	108					
39	59	91.570	62.118,650	1.298.655,232	20,906	20,446	89	109					
40	60	90.965	61.096,631	1.236.536,582	20,239	19,779	90	110					
41	61	90.308	60.055,147	1.175.439,952	19,573	19,113	91	111					
42	62	89.629	59.013,616	1.115.384,805	18,900	18,440	92	112					
43	63	88.869	57.933,575	1.056.371,189	18,234	17,774	93						
44	64	88.046	56.828,792	998.437,614	17,569	17,109	94						
45	65	87.167	55.704,817	941.608,822	16,904	16,444	95						
46	66	86.190	54.534,503	885.904,004	16,245	15,785	96						
47	67	85.119	53.323,939	831.369,501	15,591	15,131	97						
48	68	83.938	52.063,440	778.045,562	14,944	14,484	98						
49	69	82.639	50.750,341	725.982,121	14,305	13,845	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -21 Jahre

Zinsfuß 1,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	21	99.293	99.292,607	4.410.078,256	44,415	43,955	50	71	80.064	48.682,216	639.258,088	13,131	12,671
1	22	98.815	97.837,051	4.310.785,649	44,061	43,601	51	72	78.376	47.183,803	590.575,872	12,516	12,057
2	23	98.749	96.803,018	4.212.948,598	43,521	43,061	52	73	76.564	45.636,712	543.392,068	11,907	11,447
3	24	98.703	95.800,274	4.116.145,580	42,966	42,506	53	74	74.565	44.004,737	497.755,357	11,311	10,851
4	25	98.658	94.808,689	4.020.345,306	42,405	41,945	54	75	72.409	42.309,716	453.750,620	10,725	10,265
5	26	98.621	93.834,305	3.925.536,617	41,835	41,375	55	76	70.053	40.527,617	411.440,904	10,152	9,692
6	27	98.580	92.866,524	3.831.702,312	41,260	40,800	56	77	67.516	38.673,095	370.913,287	9,591	9,131
7	28	98.539	91.909,544	3.738.835,788	40,680	40,220	57	78	64.808	36.754,409	332.240,192	9,039	8,579
8	29	98.498	90.961,305	3.646.926,243	40,093	39,633	58	79	61.866	34.738,585	295.485,784	8,506	8,046
9	30	98.458	90.023,631	3.555.964,938	39,500	39,040	59	80	58.699	32.633,795	260.747,199	7,990	7,530
10	31	98.416	89.094,786	3.465.941,307	38,902	38,442	60	81	55.252	30.413,615	228.113,404	7,500	7,040
11	32	98.372	88.172,863	3.376.846,521	38,298	37,838	61	82	51.585	28.113,784	197.699,789	7,032	6,572
12	33	98.322	87.256,215	3.288.673,658	37,690	37,230	62	83	47.672	25.723,858	169.586,006	6,593	6,133
13	34	98.270	86.346,494	3.201.417,443	37,076	36,616	63	84	43.660	23.325,618	143.862,147	6,168	5,708
14	35	98.212	85.440,419	3.115.070,948	36,459	35,999	64	85	39.571	20.931,829	120.536,529	5,759	5,299
15	36	98.143	84.535,566	3.029.630,530	35,839	35,379	65	86	35.565	18.626,506	99.604,701	5,347	4,887
16	37	98.065	83.631,520	2.945.094,963	35,215	34,755	66	87	31.419	16.292,440	80.978,195	4,970	4,510
17	38	97.967	82.721,013	2.861.463,443	34,592	34,132	67	88	27.185	13.957,350	64.685,755	4,635	4,175
18	39	97.849	81.803,218	2.778.742,430	33,969	33,509	68	89	23.104	11.744,491	50.728,405	4,319	3,859
19	40	97.696	80.867,085	2.696.939,212	33,350	32,890	69	90	19.214	9.670,476	38.983,914	4,031	3,571
20	41	97.533	79.932,334	2.616.072,127	32,729	32,269	70	91	15.660	7.803,363	29.313,438	3,757	3,297
21	42	97.362	79.002,587	2.536.139,792	32,102	31,642	71	92	12.362	6.099,187	21.510,075	3,527	3,067
22	43	97.176	78.071,148	2.457.137,205	31,473	31,013	72	93	9.514	4.647,383	15.410,888	3,316	2,856
23	44	96.977	77.139,628	2.379.066,057	30,841	30,381	73	94	7.123	3.444,997	10.763,505	3,124	2,664
24	45	96.770	76.213,021	2.301.926,430	30,204	29,744	74	95	5.182	2.481,439	7.318,507	2,949	2,489
25	46	96.547	75.284,095	2.225.713,408	29,564	29,104	75	96	3.658	1.734,364	4.837,069	2,789	2,329
26	47	96.303	74.350,413	2.150.429,313	28,923	28,463	76	97	2.502	1.174,570	3.102,705	2,642	2,182
27	48	96.047	73.418,573	2.076.078,900	28,277	27,817	77	98	1.656	769,852	1.928,135	2,505	2,045
28	49	95.775	72.485,680	2.002.660,327	27,628	27,168	78	99	1.058	487,083	1.158,284	2,378	1,918
29	50	95.474	71.542,649	1.930.174,648	26,979	26,519	79	100	651	296,740	671,200	2,262	1,802
30	51	95.166	70.605,639	1.858.631,999	26,324	25,864	80	101	385	173,851	374,461	2,154	1,694
31	52	94.832	69.661,496	1.788.026,360	25,667	25,207	81	102	219	97,627	200,609	2,055	1,595
32	53	94.471	68.708,962	1.718.364,864	25,009	24,549	82	103	119	52,471	102,983	1,963	1,503
33	54	94.095	67.758,315	1.649.655,902	24,346	23,886	83	104	61	26,838	50,511	1,882	1,422
34	55	93.686	66.795,449	1.581.897,587	23,683	23,223	84	105	30	13,098	23,674	1,807	1,347
35	56	93.242	65.820,743	1.515.102,138	23,019	22,559	85	106					
36	57	92.770	64.839,492	1.449.281,395	22,352	21,892	86	107					
37	58	92.252	63.838,852	1.384.441,903	21,687	21,227	87	108					
38	59	91.697	62.826,409	1.320.603,051	21,020	20,560	88	109					
39	60	91.105	61.802,852	1.257.776,642	20,351	19,891	89	110					
40	61	90.464	60.760,339	1.195.973,790	19,683	19,223	90	111					
41	62	89.800	59.717,196	1.135.213,451	19,010	18,550	91	112					
42	63	89.065	58.642,249	1.075.496,255	18,340	17,880	92						
43	64	88.264	57.539,521	1.016.854,006	17,672	17,212	93						
44	65	87.402	56.413,213	959.314,485	17,005	16,545	94						
45	66	86.456	55.249,855	902.901,272	16,342	15,882	95						
46	67	85.409	54.040,607	847.651,417	15,685	15,225	96						
47	68	84.254	52.781,902	793.610,810	15,036	14,576	97						
48	69	82.978	51.467,961	740.828,908	14,394	13,934	98						
49	70	81.585	50.102,859	689.360,947	13,759	13,299	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -22 Jahre

Zinsfuß 1,00%

Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	22	99.268	99.268,313	4.364.111,930	43,963	43,503	50	72	78.766	47.892,967	602.970,195	12,590	12,130
1	23	98.789	97.810,562	4.264.843,616	43,603	43,143	51	73	76.963	46.333,121	555.077,228	11,980	11,520
2	24	98.723	96.777,761	4.167.033,054	43,058	42,598	52	74	75.004	44.706,984	508.744,107	11,380	10,920
3	25	98.676	95.774,247	4.070.255,293	42,498	42,038	53	75	72.867	43.003,114	464.037,123	10,791	10,331
4	26	98.634	94.785,360	3.974.481,045	41,931	41,471	54	76	70.532	41.212,730	421.034,009	10,216	9,756
5	27	98.593	93.808,036	3.879.695,686	41,358	40,898	55	77	68.025	39.354,409	379.821,279	9,651	9,191
6	28	98.551	92.839,460	3.785.887,650	40,779	40,319	56	78	65.319	37.414,962	340.466,870	9,100	8,640
7	29	98.510	91.882,264	3.693.048,190	40,193	39,733	57	79	62.406	35.392,213	303.051,908	8,563	8,103
8	30	98.469	90.934,680	3.601.165,926	39,602	39,142	58	80	59.264	33.277,266	267.659,696	8,043	7,583
9	31	98.425	89.994,156	3.510.231,247	39,005	38,545	59	81	55.839	31.044,060	234.382,429	7,550	7,090
10	32	98.381	89.062,961	3.420.237,091	38,402	37,942	60	82	52.172	28.718,242	203.338,369	7,080	6,620
11	33	98.337	88.141,511	3.331.174,130	37,793	37,333	61	83	48.251	26.296,955	174.620,127	6,640	6,180
12	34	98.283	87.221,350	3.243.032,619	37,182	36,722	62	84	44.256	23.880,540	148.323,172	6,211	5,751
13	35	98.224	86.306,013	3.155.811,269	36,565	36,105	63	85	40.151	21.451,136	124.442,632	5,801	5,341
14	36	98.161	85.396,677	3.069.505,256	35,944	35,484	64	86	36.135	19.114,430	102.991,497	5,388	4,928
15	37	98.088	84.487,765	2.984.108,579	35,320	34,860	65	87	31.979	16.748,686	83.877,066	5,008	4,548
16	38	98.004	83.580,236	2.899.620,814	34,693	34,233	66	88	27.716	14.371,925	67.128,380	4,671	4,211
17	39	97.898	82.663,149	2.816.040,578	34,066	33,606	67	89	23.610	12.121,581	52.756,456	4,352	3,892
18	40	97.770	81.737,754	2.733.377,429	33,441	32,981	68	90	19.679	10.003,666	40.634,874	4,062	3,602
19	41	97.611	80.796,732	2.651.639,675	32,819	32,359	69	91	16.073	8.089,722	30.631,208	3,786	3,326
20	42	97.436	79.853,322	2.570.842,943	32,195	31,735	70	92	12.725	6.341,013	22.541,486	3,555	3,095
21	43	97.253	78.913,735	2.490.989,621	31,566	31,106	71	93	9.823	4.846,475	16.200,474	3,343	2,883
22	44	97.050	77.969,810	2.412.075,886	30,936	30,476	72	94	7.383	3.606,412	11.353,998	3,148	2,688
23	45	96.842	77.032,249	2.334.106,076	30,300	29,840	73	95	5.391	2.607,379	7.747,587	2,971	2,511
24	46	96.617	76.092,147	2.257.073,827	29,662	29,202	74	96	3.820	1.829,375	5.140,208	2,810	2,350
25	47	96.373	75.148,886	2.180.981,680	29,022	28,562	75	97	2.623	1.243,824	3.310,833	2,662	2,202
26	48	96.116	74.205,828	2.105.832,794	28,378	27,918	76	98	1.743	818,376	2.067,009	2,526	2,066
27	49	95.843	73.262,930	2.031.626,966	27,731	27,271	77	99	1.120	520,441	1.248,633	2,399	1,939
28	50	95.544	72.311,227	1.958.364,036	27,082	26,622	78	100	693	319,076	728,192	2,282	1,822
29	51	95.233	71.361,887	1.886.052,809	26,429	25,969	79	101	413	188,117	409,116	2,175	1,715
30	52	94.901	70.409,550	1.814.690,922	25,773	25,313	80	102	236	106,519	220,999	2,075	1,615
31	53	94.545	69.450,895	1.744.281,372	25,115	24,655	81	103	129	57,737	114,480	1,983	1,523
32	54	94.172	68.492,010	1.674.830,477	24,453	23,993	82	104	68	29,914	56,743	1,897	1,437
33	55	93.768	67.522,635	1.606.338,466	23,790	23,330	83	105	34	14,730	26,829	1,821	1,361
34	56	93.331	66.542,504	1.538.815,831	23,125	22,665	84	106					
35	57	92.868	65.556,491	1.472.273,327	22,458	21,998	85	107					
36	58	92.356	64.550,107	1.406.716,836	21,793	21,333	86	108					
37	59	91.808	63.531,428	1.342.166,728	21,126	20,666	87	109					
38	60	91.231	62.507,013	1.278.635,301	20,456	19,996	88	110					
39	61	90.604	61.462,674	1.216.128,288	19,786	19,326	89	111					
40	62	89.955	60.418,419	1.154.665,614	19,111	18,651	90	112					
41	63	89.235	59.341,402	1.094.247,195	18,440	17,980	91						
42	64	88.459	58.243,374	1.034.905,793	17,769	17,309	92						
43	65	87.619	57.118,745	976.662,419	17,099	16,639	93						
44	66	86.688	55.952,466	919.543,674	16,434	15,974	94						
45	67	85.673	54.749,480	863.591,209	15,774	15,314	95						
46	68	84.541	53.491,284	808.841,728	15,121	14,661	96						
47	69	83.290	52.178,205	755.350,444	14,476	14,016	97						
48	70	81.919	50.811,324	703.172,239	13,839	13,379	98						
49	71	80.425	49.390,721	652.360,915	13,208	12,748	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -23 Jahre

Zinsfuß 1,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	23	99.241	99.241,437	4.317.066,310	43,501	43,041	50	73	77.346	47.029,499	566.494,575	12,046	11,586
1	24	98.763	97.785,043	4.217.824,873	43,134	42,674	51	74	75.395	45.389,206	519.465,075	11,445	10,985
2	25	98.696	96.751,469	4.120.039,830	42,584	42,124	52	75	73.297	43.689,377	474.075,869	10,851	10,391
3	26	98.652	95.750,680	4.023.288,361	42,018	41,558	53	76	70.978	41.888,149	430.386,492	10,275	9,815
4	27	98.606	94.758,824	3.927.537,680	41,448	40,988	54	77	68.490	40.019,689	388.498,343	9,708	9,248
5	28	98.564	93.780,697	3.832.778,857	40,870	40,410	55	78	65.812	38.074,112	348.478,654	9,153	8,693
6	29	98.522	92.811,903	3.738.998,160	40,286	39,826	56	79	62.899	36.028,284	310.404,542	8,616	8,156
7	30	98.481	91.855,369	3.646.186,257	39,695	39,235	57	80	59.781	33.903,398	274.376,258	8,093	7,633
8	31	98.437	90.904,906	3.554.330,888	39,099	38,639	58	81	56.377	31.656,186	240.472,860	7,596	7,136
9	32	98.390	89.962,009	3.463.425,981	38,499	38,039	59	82	52.727	29.313,544	208.816,674	7,124	6,664
10	33	98.346	89.031,292	3.373.463,972	37,891	37,431	60	83	48.801	26.862,350	179.503,130	6,682	6,222
11	34	98.297	88.106,292	3.284.432,680	37,278	36,818	61	84	44.794	24.412,570	152.640,780	6,253	5,793
12	35	98.237	87.180,458	3.196.326,388	36,663	36,203	62	85	40.699	21.961,463	128.228,210	5,839	5,379
13	36	98.174	86.261,828	3.109.145,930	36,043	35,583	63	86	36.665	19.588,649	106.266,747	5,425	4,965
14	37	98.106	85.348,389	3.022.884,101	35,418	34,958	64	87	32.492	17.187,420	86.678,098	5,043	4,583
15	38	98.028	84.435,956	2.937.535,713	34,790	34,330	65	88	28.210	14.774,389	69.490,678	4,703	4,243
16	39	97.936	83.521,770	2.853.099,757	34,160	33,700	66	89	24.070	12.481,628	54.716,288	4,384	3,924
17	40	97.820	82.596,997	2.769.577,987	33,531	33,071	67	90	20.110	10.324,862	42.234,660	4,091	3,631
18	41	97.685	81.666,644	2.686.980,990	32,902	32,442	68	91	16.463	8.368,448	31.909,798	3,813	3,353
19	42	97.515	80.716,866	2.605.314,346	32,277	31,817	69	92	13.061	6.573,708	23.541,350	3,581	3,121
20	43	97.327	79.763,514	2.524.597,481	31,651	31,191	70	93	10.111	5.038,632	16.967,642	3,368	2,908
21	44	97.126	78.811,303	2.444.833,967	31,021	30,561	71	94	7.623	3.760,909	11.929,010	3,172	2,712
22	45	96.915	77.861,276	2.366.022,664	30,388	29,928	72	95	5.588	2.729,547	8.168,101	2,992	2,532
23	46	96.689	76.910,075	2.288.161,388	29,751	29,291	73	96	3.974	1.922,221	5.438,554	2,829	2,369
24	47	96.443	75.955,487	2.211.251,314	29,112	28,652	74	97	2.740	1.311,963	3.516,333	2,680	2,220
25	48	96.186	75.002,748	2.135.295,827	28,470	28,010	75	98	1.828	866,628	2.204,370	2,544	2,084
26	49	95.912	74.048,517	2.060.293,079	27,824	27,364	76	99	1.179	553,245	1.337,742	2,418	1,958
27	50	95.613	73.086,607	1.986.244,562	27,177	26,717	77	100	734	340,928	784,497	2,301	1,841
28	51	95.303	72.128,523	1.913.157,956	26,524	26,064	78	101	440	202,277	443,570	2,193	1,733
29	52	94.968	71.163,698	1.841.029,432	25,870	25,410	79	102	253	115,260	241,292	2,093	1,633
30	53	94.615	70.196,687	1.769.865,735	25,213	24,753	80	103	140	62,996	126,032	2,001	1,541
31	54	94.247	69.231,601	1.699.669,047	24,550	24,090	81	104	74	32,916	63,037	1,915	1,455
32	55	93.845	68.253,779	1.630.437,446	23,888	23,428	82	105	37	16,418	30,121	1,835	1,375
33	56	93.413	67.266,936	1.562.183,667	23,224	22,764	83	106					
34	57	92.956	66.275,355	1.494.916,731	22,556	22,096	84	107					
35	58	92.453	65.263,907	1.428.641,376	21,890	21,430	85	108					
36	59	91.912	64.239,258	1.363.377,469	21,223	20,763	86	109					
37	60	91.341	63.208,448	1.299.138,211	20,553	20,093	87	110					
38	61	90.729	62.162,958	1.235.929,763	19,882	19,422	88	111					
39	62	90.094	61.116,802	1.173.766,805	19,205	18,745	89	112					
40	63	89.389	60.038,213	1.112.650,004	18,532	18,072	90						
41	64	88.628	58.937,771	1.052.611,791	17,860	17,400	91						
42	65	87.813	57.817,451	993.674,020	17,186	16,726	92						
43	66	86.903	56.652,234	935.856,569	16,519	16,059	93						
44	67	85.903	55.445,727	879.204,334	15,857	15,397	94						
45	68	84.802	54.192,952	823.758,607	15,200	14,740	95						
46	69	83.574	52.879,474	769.565,655	14,553	14,093	96						
47	70	82.228	51.512,506	716.686,181	13,913	13,453	97						
48	71	80.755	50.089,115	665.173,675	13,280	12,820	98						
49	72	79.121	48.589,985	615.084,559	12,659	12,199	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -24 Jahre

Zinsfuß 1,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	24	99.216	99.215,545	4.268.971,356	43,027	42,567	50	74	75.770	46.071,397	529.944,630	11,503	11,043
1	25	98.736	97.758,477	4.169.755,811	42,654	42,194	51	75	73.679	44.356,070	483.873,233	10,909	10,449
2	26	98.672	96.727,661	4.071.997,334	42,098	41,638	52	76	71.397	42.556,619	439.517,163	10,328	9,868
3	27	98.624	95.723,874	3.975.269,673	41,529	41,069	53	77	68.923	40.675,557	396.960,544	9,759	9,299
4	28	98.578	94.731,208	3.879.545,799	40,953	40,493	54	78	66.262	38.717,748	356.284,987	9,202	8,742
5	29	98.535	93.752,861	3.784.814,591	40,370	39,910	55	79	63.373	36.663,005	317.567,239	8,662	8,202
6	30	98.493	92.784,737	3.691.061,730	39,781	39,321	56	80	60.253	34.512,713	280.904,234	8,139	7,679
7	31	98.449	91.825,294	3.598.276,993	39,186	38,726	57	81	56.869	32.251,816	246.391,521	7,640	7,180
8	32	98.402	90.872,434	3.506.451,700	38,587	38,127	58	82	53.234	29.891,547	214.139,705	7,164	6,704
9	33	98.355	89.930,021	3.415.579,265	37,980	37,520	59	83	49.319	27.419,181	184.248,159	6,720	6,260
10	34	98.307	88.995,717	3.325.649,244	37,369	36,909	60	84	45.304	24.937,450	156.828,977	6,289	5,829
11	35	98.251	88.064,986	3.236.653,527	36,753	36,293	61	85	41.194	22.450,738	131.891,527	5,875	5,415
12	36	98.187	87.135,826	3.148.588,541	36,134	35,674	62	86	37.166	20.054,667	109.440,789	5,457	4,997
13	37	98.118	86.213,051	3.061.452,715	35,510	35,050	63	87	32.969	17.613,831	89.386,121	5,075	4,615
14	38	98.046	85.296,051	2.975.239,665	34,881	34,421	64	88	28.662	15.161,407	71.772,291	4,734	4,274
15	39	97.959	84.376,891	2.889.943,613	34,250	33,790	65	89	24.499	12.831,158	56.610,884	4,412	3,952
16	40	97.857	83.454,931	2.805.566,722	33,618	33,158	66	90	20.503	10.631,541	43.779,726	4,118	3,658
17	41	97.735	82.525,139	2.722.111,791	32,985	32,525	67	91	16.823	8.637,141	33.148,184	3,838	3,378
18	42	97.589	81.585,917	2.639.586,652	32,353	31,893	68	92	13.378	6.800,201	24.511,044	3,604	3,144
19	43	97.405	80.626,086	2.558.000,734	31,727	31,267	69	93	10.379	5.223,534	17.710,843	3,391	2,931
20	44	97.200	79.659,979	2.477.374,649	31,099	30,639	70	94	7.846	3.910,025	12.487,309	3,194	2,734
21	45	96.991	78.701,597	2.397.714,670	30,466	30,006	71	95	5.769	2.846,480	8.577,284	3,013	2,553
22	46	96.761	77.737,787	2.319.013,073	29,831	29,371	72	96	4.119	2.012,286	5.730,804	2,848	2,388
23	47	96.515	76.771,946	2.241.275,286	29,194	28,734	73	97	2.850	1.378,549	3.718,518	2,697	2,237
24	48	96.256	75.807,780	2.164.503,340	28,553	28,093	74	98	1.909	914,103	2.339,969	2,560	2,100
25	49	95.982	74.843,747	2.088.695,560	27,907	27,447	75	99	1.236	585,865	1.425,866	2,434	1,974
26	50	95.681	73.870,302	2.013.851,813	27,262	26,802	76	100	772	362,417	840,001	2,318	1,858
27	51	95.371	72.901,944	1.939.981,510	26,611	26,151	77	101	465	216,130	477,585	2,210	1,750
28	52	95.038	71.928,205	1.867.079,566	25,958	25,498	78	102	269	123,936	261,455	2,110	1,650
29	53	94.681	70.948,555	1.795.151,362	25,302	24,842	79	103	150	68,165	137,519	2,017	1,557
30	54	94.316	69.975,038	1.724.202,806	24,640	24,180	80	104	80	35,914	69,354	1,931	1,471
31	55	93.919	68.990,797	1.654.227,768	23,978	23,518	81	105	40	18,066	33,440	1,851	1,391
32	56	93.490	67.995,311	1.585.236,971	23,314	22,854	82	106					
33	57	93.038	66.996,879	1.517.241,660	22,646	22,186	83	107					
34	58	92.541	65.979,562	1.450.244,781	21,980	21,520	84	108					
35	59	92.008	64.949,620	1.384.265,219	21,313	20,853	85	109					
36	60	91.444	63.912,680	1.319.315,599	20,642	20,182	86	110					
37	61	90.838	62.860,532	1.255.402,919	19,971	19,511	87	111					
38	62	90.218	61.813,146	1.192.542,387	19,293	18,833	88	112					
39	63	89.527	60.732,200	1.130.729,241	18,618	18,158	89						
40	64	88.781	59.629,843	1.069.997,041	17,944	17,484	90						
41	65	87.980	58.506,770	1.010.367,199	17,269	16,809	91						
42	66	87.095	57.345,234	951.860,429	16,599	16,139	92						
43	67	86.116	56.139,159	894.515,195	15,934	15,474	93						
44	68	85.030	54.882,122	838.376,036	15,276	14,816	94						
45	69	83.832	53.573,116	783.493,914	14,625	14,165	95						
46	70	82.508	52.204,828	729.920,798	13,982	13,522	96						
47	71	81.059	50.780,331	677.715,969	13,346	12,886	97						
48	72	79.446	49.277,057	626.935,638	12,723	12,263	98						
49	73	77.695	47.713,950	577.658,581	12,107	11,647	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -25 Jahre

Zinsfuß 1,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	25	99.189	99.188,590	4.219.852,223	42,544	42,084	50	75	74.046	45.022,733	493.454,285	10,960	10,500
1	26	98.712	97.734,422	4.120.663,633	42,162	41,702	51	76	71.769	43.206,027	448.431,551	10,379	9,919
2	27	98.644	96.700,582	4.022.929,211	41,602	41,142	52	77	69.330	41.324,675	405.225,525	9,806	9,346
3	28	98.596	95.695,977	3.926.228,630	41,028	40,568	53	78	66.681	39.352,279	363.900,849	9,247	8,787
4	29	98.548	94.703,090	3.830.532,653	40,448	39,988	54	79	63.806	37.282,787	324.548,571	8,705	8,245
5	30	98.506	93.725,419	3.735.829,563	39,859	39,399	55	80	60.707	35.120,733	287.265,784	8,179	7,719
6	31	98.461	92.754,357	3.642.104,144	39,266	38,806	56	81	57.317	32.831,448	252.145,051	7,680	7,220
7	32	98.414	91.792,493	3.549.349,787	38,667	38,207	57	82	53.699	30.453,974	219.313,602	7,201	6,741
8	33	98.367	90.840,122	3.457.557,294	38,062	37,602	58	83	49.794	27.959,832	188.859,628	6,755	6,295
9	34	98.316	89.894,087	3.366.717,172	37,452	36,992	59	84	45.785	25.454,380	160.899,796	6,321	5,861
10	35	98.261	88.953,994	3.276.823,085	36,837	36,377	60	85	41.663	22.933,438	135.445,416	5,906	5,446
11	36	98.201	88.019,900	3.187.869,091	36,218	35,758	61	86	37.617	20.501,461	112.511,978	5,488	5,028
12	37	98.131	87.086,554	3.099.849,190	35,595	35,135	62	87	33.419	18.032,868	92.010,517	5,102	4,642
13	38	98.058	86.160,183	3.012.762,636	34,967	34,507	63	88	29.082	15.537,553	73.977,649	4,761	4,301
14	39	97.977	85.236,386	2.926.602,453	34,335	33,875	64	89	24.892	13.167,272	58.440,096	4,438	3,978
15	40	97.881	84.309,368	2.841.366,067	33,702	33,242	65	90	20.868	10.929,262	45.272,824	4,142	3,682
16	41	97.772	83.382,327	2.757.056,699	33,065	32,605	66	91	17.151	8.893,689	34.343,561	3,862	3,402
17	42	97.638	82.443,564	2.673.674,372	32,430	31,970	67	92	13.670	7.018,541	25.449,872	3,626	3,166
18	43	97.479	81.494,160	2.591.230,809	31,797	31,337	68	93	10.630	5.403,508	18.431,332	3,411	2,951
19	44	97.279	80.521,431	2.509.736,649	31,169	30,709	69	94	8.054	4.053,511	13.027,824	3,214	2,754
20	45	97.065	79.549,092	2.429.215,217	30,537	30,077	70	95	5.939	2.959,339	8.974,313	3,033	2,573
21	46	96.837	78.576,776	2.349.666,126	29,903	29,443	71	96	4.253	2.098,492	6.014,974	2,866	2,406
22	47	96.588	77.598,171	2.271.089,350	29,267	28,807	72	97	2.954	1.443,140	3.916,482	2,714	2,254
23	48	96.327	76.622,652	2.193.491,178	28,627	28,167	73	98	1.986	960,497	2.473,342	2,575	2,115
24	49	96.052	75.647,073	2.116.868,527	27,983	27,524	74	99	1.290	617,959	1.512,846	2,448	1,988
25	50	95.751	74.663,619	2.041.221,454	27,339	26,879	75	100	809	383,785	894,886	2,332	1,872
26	51	95.439	73.683,659	1.966.557,835	26,689	26,229	76	101	489	229,753	511,101	2,225	1,765
27	52	95.106	72.699,477	1.892.874,176	26,037	25,577	77	102	285	132,424	281,348	2,125	1,665
28	53	94.751	71.710,751	1.820.174,698	25,382	24,922	78	103	159	73,296	148,925	2,032	1,572
29	54	94.382	70.724,532	1.748.463,947	24,722	24,262	79	104	85	38,861	75,629	1,946	1,486
30	55	93.988	69.731,648	1.677.739,415	24,060	23,600	80	105	44	19,711	36,768	1,865	1,405
31	56	93.563	68.729,539	1.608.007,767	23,396	22,936	81	106					
32	57	93.114	67.722,329	1.539.278,228	22,729	22,269	82	107					
33	58	92.623	66.697,866	1.471.555,899	22,063	21,603	83	108					
34	59	92.096	65.661,829	1.404.858,033	21,395	20,935	84	109					
35	60	91.540	64.619,430	1.339.196,204	20,724	20,264	85	110					
36	61	90.941	63.560,888	1.274.576,774	20,053	19,593	86	111					
37	62	90.327	62.506,794	1.211.015,886	19,374	18,914	87	112					
38	63	89.650	61.424,162	1.148.509,092	18,698	18,238	88						
39	64	88.918	60.319,109	1.087.084,930	18,022	17,562	89						
40	65	88.131	59.193,780	1.026.765,820	17,346	16,886	90						
41	66	87.261	58.028,923	967.572,040	16,674	16,214	91						
42	67	86.307	56.825,882	909.543,117	16,006	15,546	92						
43	68	85.241	55.568,505	852.717,235	15,345	14,885	93						
44	69	84.057	54.254,404	797.148,730	14,693	14,233	94						
45	70	82.762	52.889,621	742.894,326	14,046	13,586	95						
46	71	81.335	51.462,813	690.004,705	13,408	12,948	96						
47	72	79.745	49.957,067	638.541,892	12,782	12,322	97						
48	73	78.013	48.388,635	588.584,825	12,164	11,704	98						
49	74	76.112	46.741,905	540.196,190	11,557	11,097	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 1 Jahr

Zinsfuß 1,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	49	91.859	55.853,834	1.231.913,968	22,056	21,596
1	0	99.544	98.558,188	4.998.612,692	50,717	50,257	51	50	91.184	54.894,358	1.176.060,134	21,424	20,964
2	1	99.126	97.172,578	4.900.054,504	50,426	49,966	52	51	90.482	53.932,656	1.121.165,776	20,788	20,328
3	2	99.070	96.156,653	4.802.881,927	49,949	49,489	53	52	89.702	52.938,062	1.067.233,120	20,160	19,700
4	3	99.033	95.168,419	4.706.725,274	49,457	48,997	54	53	88.868	51.927,008	1.014.295,058	19,533	19,073
5	4	99.002	94.197,350	4.611.556,855	48,956	48,496	55	54	87.986	50.902,547	962.368,050	18,906	18,446
6	5	98.976	93.239,887	4.517.359,505	48,449	47,989	56	55	87.024	49.847,322	911.465,503	18,285	17,825
7	6	98.952	92.293,894	4.424.119,617	47,935	47,475	57	56	86.015	48.781,845	861.618,182	17,663	17,203
8	7	98.930	91.360,391	4.331.825,723	47,415	46,955	58	57	84.929	47.688,708	812.836,336	17,045	16,585
9	8	98.910	90.437,200	4.240.465,332	46,889	46,429	59	58	83.744	46.557,843	765.147,629	16,434	15,974
10	9	98.891	89.524,808	4.150.028,132	46,356	45,896	60	59	82.465	45.392,691	718.589,785	15,831	15,371
11	10	98.875	88.624,368	4.060.503,324	45,817	45,357	61	60	81.122	44.211,362	673.197,095	15,227	14,767
12	11	98.853	87.726,844	3.971.878,956	45,276	44,816	62	61	79.706	43.009,804	628.985,733	14,624	14,164
13	12	98.831	86.838,774	3.884.152,112	44,728	44,268	63	62	78.190	41.773,960	585.975,929	14,027	13,567
14	13	98.809	85.960,535	3.797.313,337	44,175	43,715	64	63	76.575	40.506,146	544.201,968	13,435	12,975
15	14	98.782	85.085,494	3.711.352,802	43,619	43,159	65	64	74.854	39.203,683	503.695,822	12,848	12,388
16	15	98.747	84.213,378	3.626.267,307	43,060	42,600	66	65	73.005	37.856,867	464.492,139	12,270	11,810
17	16	98.691	83.332,755	3.542.053,929	42,505	42,045	67	66	71.024	36.464,571	426.635,271	11,700	11,240
18	17	98.620	82.448,394	3.458.721,175	41,950	41,490	68	67	68.873	35.010,224	390.170,701	11,144	10,684
19	18	98.524	81.552,208	3.376.272,781	41,400	40,940	69	68	66.561	33.500,121	355.160,477	10,602	10,142
20	19	98.416	80.656,525	3.294.720,573	40,849	40,389	70	69	64.105	31.944,691	321.660,357	10,069	9,609
21	20	98.314	79.775,113	3.214.064,047	40,289	39,829	71	70	61.483	30.334,410	289.715,666	9,551	9,091
22	21	98.206	78.898,400	3.134.288,935	39,726	39,266	72	71	58.700	28.674,829	259.381,256	9,046	8,586
23	22	98.108	78.039,232	3.055.390,535	39,152	38,692	73	72	55.716	26.947,338	230.706,427	8,561	8,101
24	23	98.009	77.188,392	2.977.351,303	38,573	38,113	74	73	52.589	25.183,373	203.759,089	8,091	7,631
25	24	97.912	76.348,773	2.900.162,912	37,986	37,526	75	74	49.330	23.389,039	178.575,715	7,635	7,175
26	25	97.814	75.517,029	2.823.814,138	37,393	36,933	76	75	45.979	21.584,037	155.186,677	7,190	6,730
27	26	97.720	74.697,478	2.748.297,109	36,792	36,332	77	76	42.552	19.777,815	133.602,640	6,755	6,295
28	27	97.623	73.884,318	2.673.599,631	36,186	35,726	78	77	39.059	17.974,313	113.824,826	6,333	5,873
29	28	97.522	73.077,717	2.599.715,313	35,575	35,115	79	78	35.494	16.172,244	95.850,512	5,927	5,467
30	29	97.425	72.281,824	2.526.637,596	34,955	34,495	80	79	31.903	14.391,900	79.678,269	5,536	5,076
31	30	97.325	71.492,946	2.454.355,771	34,330	33,870	81	80	28.289	12.635,539	65.286,369	5,167	4,707
32	31	97.217	70.706,040	2.382.862,825	33,701	33,241	82	81	24.702	10.923,870	52.650,829	4,820	4,360
33	32	97.102	69.923,641	2.312.156,785	33,067	32,607	83	82	21.136	9.254,192	41.726,959	4,509	4,049
34	33	96.983	69.146,002	2.242.233,144	32,428	31,968	84	83	17.755	7.697,156	32.472,767	4,219	3,759
35	34	96.851	68.368,672	2.173.087,141	31,785	31,325	85	84	14.665	6.294,739	24.775,611	3,936	3,476
36	35	96.705	67.589,214	2.104.718,469	31,140	30,680	86	85	11.920	5.065,528	18.480,872	3,648	3,188
37	36	96.546	66.810,250	2.037.129,255	30,491	30,031	87	86	9.443	3.973,236	13.415,345	3,376	2,916
38	37	96.375	66.031,486	1.970.319,005	29,839	29,379	88	87	7.216	3.006,095	9.442,109	3,141	2,681
39	38	96.183	65.247,586	1.904.287,519	29,186	28,726	89	88	5.312	2.190,967	6.436,014	2,938	2,478
40	39	95.968	64.456,881	1.839.039,934	28,531	28,071	90	89	3.784	1.545,227	4.245,046	2,747	2,287
41	40	95.726	63.657,803	1.774.583,053	27,877	27,417	91	90	2.598	1.050,326	2.699,819	2,570	2,110
42	41	95.461	62.853,066	1.710.925,250	27,221	26,761	92	91	1.711	684,901	1.649,493	2,408	1,948
43	42	95.156	62.032,127	1.648.072,184	26,568	26,108	93	92	1.071	424,348	964,592	2,273	1,813
44	43	94.814	61.197,002	1.586.040,056	25,917	25,457	94	93	640	251,170	540,244	2,151	1,691
45	44	94.436	60.350,097	1.524.843,055	25,267	24,807	95	94	365	141,669	289,074	2,040	1,581
46	45	94.015	59.485,789	1.464.492,958	24,619	24,159	96	95	197	75,955	147,405	1,941	1,481
47	46	93.547	58.603,816	1.405.007,168	23,975	23,515	97	96	101	38,612	71,450	1,850	1,390
48	47	93.029	57.702,288	1.346.403,353	23,334	22,874	98	97	49	18,565	32,837	1,769	1,309
49	48	92.469	56.787,097	1.288.701,065	22,694	22,234	99	98	23	8,421	14,273	1,695	1,235
							100	99	10	3,594	5,852	1,628	1,168

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 2 Jahre

Zinsfuß 1,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	48	92,054	55,972,492	1.246.381,913	22,268	21,808
1							51	49	91,404	55,026,792	1.190.409,421	21,633	21,173
2	0	99,504	97,542,942	4.916.355,060	50,402	49,942	52	50	90,711	54,069,269	1.135.382,629	20,999	20,539
3	1	99,106	96,191,103	4.818.812,118	50,096	49,636	53	51	89,952	53,085,493	1.081.313,360	20,369	19,909
4	2	99,052	95,187,239	4.722.621,015	49,614	49,154	54	52	89,138	52,084,470	1.028.227,867	19,742	19,282
5	3	99,019	94,213,521	4.627.433,776	49,116	48,656	55	53	88,265	51,063,783	976.143,397	19,116	18,656
6	4	98,989	93,251,931	4.533.220,255	48,613	48,153	56	54	87,328	50,021,308	925.079,614	18,494	18,034
7	5	98,964	92,305,961	4.439.968,323	48,101	47,641	57	55	86,342	48,967,278	875.058,306	17,870	17,410
8	6	98,939	91,368,810	4.347.662,363	47,584	47,124	58	56	85,271	47,880,936	826.091,029	17,253	16,793
9	7	98,918	90,445,077	4.256.293,553	47,059	46,599	59	57	84,119	46,766,567	778.210,092	16,640	16,180
10	8	98,901	89,533,403	4.165.848,476	46,528	46,068	60	58	82,864	45,612,343	731.443,526	16,036	15,576
11	9	98,882	88,630,095	4.076.315,073	45,992	45,532	61	59	81,536	44,437,271	685.831,183	15,434	14,974
12	10	98,861	87,734,222	3.987.684,978	45,452	44,992	62	60	80,147	43,247,851	641.393,912	14,831	14,371
13	11	98,840	86,846,919	3.899.950,756	44,906	44,446	63	61	78,633	42,010,368	598.146,060	14,238	13,778
14	12	98,818	85,967,837	3.813.103,837	44,355	43,895	64	62	77,060	40,762,662	556.135,693	13,643	13,183
15	13	98,791	85,093,739	3.727.136,000	43,800	43,340	65	63	75,367	39,472,166	515.373,031	13,057	12,597
16	14	98,758	84,223,192	3.642.042,261	43,243	42,783	66	64	73,543	38,135,747	475.900,865	12,479	12,019
17	15	98,709	83,347,646	3.557.819,069	42,686	42,227	67	65	71,609	36,764,843	437.765,118	11,907	11,447
18	16	98,641	82,465,858	3.474.471,423	42,132	41,672	68	66	69,502	35,330,194	401.000,275	11,350	10,890
19	17	98,546	81,570,155	3.392.005,565	41,584	41,124	69	67	67,245	33,844,146	365.670,081	10,805	10,345
20	18	98,445	80,679,728	3.310.435,410	41,032	40,572	70	68	64,847	32,314,288	331.825,934	10,269	9,809
21	19	98,341	79,797,233	3.229.755,681	40,475	40,015	71	69	62,277	30,726,423	299.511,647	9,748	9,288
22	20	98,237	78,923,328	3.149.958,449	39,912	39,452	72	70	59,547	29,088,276	268.785,223	9,240	8,780
23	21	98,132	78,058,330	3.071.035,120	39,343	38,883	73	71	56,634	27,391,415	239.696,947	8,751	8,291
24	22	98,035	77,209,295	2.992.976,790	38,764	38,304	74	72	53,555	25,645,743	212.305,532	8,278	7,818
25	23	97,938	76,368,698	2.915.767,495	38,180	37,720	75	73	50,356	23,875,438	186.659,789	7,818	7,358
26	24	97,840	75,537,551	2.839.398,797	37,589	37,129	76	74	47,050	22,086,769	162.784,351	7,370	6,910
27	25	97,744	74,715,863	2.763.861,245	36,992	36,532	77	75	43,685	20,304,254	140.697,582	6,929	6,469
28	26	97,650	73,905,009	2.689.145,382	36,387	35,927	78	76	40,223	18,510,151	120.393,328	6,504	6,044
29	27	97,551	73,099,020	2.615.240,373	35,777	35,317	79	77	36,688	16,716,059	101.883,177	6,095	5,635
30	28	97,454	72,303,285	2.542.141,353	35,159	34,699	80	78	33,131	14,945,824	85.167,118	5,698	5,238
31	29	97,354	71,513,879	2.469.838,068	34,536	34,077	81	79	29,532	13,190,409	70.221,294	5,324	4,864
32	30	97,248	70,729,198	2.398.324,189	33,909	33,449	82	80	25,967	11,483,270	57.030,885	4,966	4,506
33	31	97,137	69,948,628	2.327.594,991	33,276	32,816	83	81	22,383	9,800,511	45.547,615	4,647	4,187
34	32	97,017	69,170,598	2.257.646,363	32,639	32,179	84	82	18,982	8,228,945	35.747,104	4,344	3,884
35	33	96,890	68,396,002	2.188.475,765	31,997	31,537	85	83	15,797	6,780,624	27.518,159	4,058	3,598
36	34	96,750	67,620,916	2.120.079,763	31,352	30,892	86	84	12,961	5,508,173	20.737,535	3,765	3,305
37	35	96,595	66,844,472	2.052.458,848	30,705	30,245	87	85	10,341	4,351,011	15.229,362	3,500	3,040
38	36	96,429	66,068,845	1.985.614,376	30,054	29,594	88	86	8,025	3,343,131	10.878,352	3,254	2,794
39	37	96,242	65,287,621	1.919.545,531	29,401	28,941	89	87	6,022	2,483,745	7.535,221	3,034	2,574
40	38	96,035	64,502,001	1.854.257,910	28,747	28,287	90	88	4,357	1,779,246	5.051,475	2,839	2,379
41	39	95,802	63,708,786	1.789.755,909	28,093	27,633	91	89	3,050	1,233,103	3.272,229	2,654	2,194
42	40	95,544	62,907,795	1.726.047,123	27,438	26,978	92	90	2,045	818,733	2.039,126	2,491	2,031
43	41	95,250	62,093,506	1.663.139,328	26,784	26,324	93	91	1,317	522,210	1.220,394	2,337	1,877
44	42	94,920	61,265,906	1.601.045,822	26,133	25,673	94	92	805	316,092	698,184	2,209	1,749
45	43	94,559	60,428,535	1.539.779,916	25,481	25,021	95	93	470	182,561	382,092	2,093	1,633
46	44	94,146	59,568,709	1.479.351,381	24,834	24,374	96	94	261	100,356	199,530	1,988	1,528
47	45	93,696	58,696,909	1.419.782,672	24,188	23,728	97	95	137	52,375	99,175	1,894	1,434
48	46	93,197	57,806,107	1.361.085,763	23,546	23,086	98	96	69	25,886	46,800	1,808	1,348
49	47	92,649	56,897,743	1.303.279,656	22,906	22,446	99	97	32	12,086	20,913	1,730	1,270
							100	98	14	5,317	8,828	1,660	1,200

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 3 Jahre

Zinsfuß 1,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	47	92.234	56.081,551	1.259.826,290	22,464	22,004
1							51	48	91.598	55.143,693	1.203.744,739	21,829	21,369
2							52	49	90.930	54.199,712	1.148.601,046	21,192	20,732
3	0	99.484	96.557,726	4.833.958,900	50,063	49,603	53	50	90.179	53.219,961	1.094.401,334	20,564	20,104
4	1	99.088	95.221,342	4.737.401,174	49,751	49,291	54	51	89.386	52.229,524	1.041.181,373	19,935	19,475
5	2	99.039	94.232,152	4.642.179,832	49,263	48,803	55	52	88.533	51.218,627	988.951,849	19,308	18,848
6	3	99.006	93.267,941	4.547.947,680	48,762	48,302	56	53	87.604	50.179,572	937.733,222	18,687	18,228
7	4	98.977	92.317,884	4.454.679,739	48,254	47,794	57	54	86.644	49.138,192	887.553,469	18,062	17,602
8	5	98.952	91.380,755	4.362.361,855	47,738	47,278	58	55	85.595	48.062,944	838.415,277	17,444	16,984
9	6	98.928	90.453,412	4.270.981,100	47,217	46,757	59	56	84.459	46.955,078	790.352,333	16,832	16,372
10	7	98.909	89.541,201	4.180.527,688	46,688	46,228	60	57	83.235	45.816,827	743.397,255	16,225	15,765
11	8	98.891	88.638,604	4.090.986,487	46,154	45,694	61	58	81.931	44.652,300	697.580,428	15,622	15,163
12	9	98.868	87.739,892	4.002.347,884	45,616	45,156	62	59	80.557	43.468,837	652.928,128	15,021	14,561
13	10	98.848	86.854,223	3.914.607,992	45,071	44,611	63	60	79.068	42.242,883	609.459,291	14,428	13,968
14	11	98.827	85.975,899	3.827.753,769	44,521	44,061	64	61	77.496	40.993,346	567.216,407	13,837	13,377
15	12	98.800	85.100,967	3.741.777,870	43,969	43,509	65	62	75.844	39.722,134	526.223,062	13,248	12,788
16	13	98.768	84.231,353	3.656.676,903	43,412	42,952	66	63	74.047	38.396,917	486.500,928	12,670	12,210
17	14	98.720	83.357,360	3.572.445,550	42,857	42,397	67	64	72.136	37.035,678	448.104,012	12,099	11,639
18	15	98.659	82.480,595	3.489.088,191	42,302	41,842	68	65	70.075	35.621,125	411.068,334	11,540	11,080
19	16	98.567	81.587,433	3.406.607,596	41,754	41,294	69	66	67.859	34.153,460	375.447,208	10,993	10,533
20	17	98.466	80.697,483	3.325.020,162	41,204	40,744	70	67	65.513	32.646,135	341.293,748	10,454	9,994
21	18	98.370	79.820,188	3.244.322,679	40,645	40,185	71	68	62.998	31.081,925	308.647,613	9,930	9,470
22	19	98.264	78.945,212	3.164.502,491	40,085	39,625	72	69	60.316	29.464,186	277.565,688	9,420	8,960
23	20	98.163	78.082,993	3.085.557,278	39,516	39,056	73	70	57.450	27.786,357	248.101,502	8,929	8,469
24	21	98.059	77.228,191	3.007.474,285	38,943	38,483	74	71	54.437	26.068,371	220.315,145	8,451	7,991
25	22	97.964	76.389,380	2.930.246,094	38,359	37,899	75	72	51.281	24.313,794	194.246,774	7,989	7,529
26	23	97.866	75.557,265	2.853.856,714	37,771	37,311	76	73	48.028	22.546,086	169.932,981	7,537	7,077
27	24	97.771	74.736,168	2.778.299,450	37,175	36,715	77	74	44.703	20.777,178	147.386,894	7,094	6,634
28	25	97.674	73.923,199	2.703.563,282	36,573	36,113	78	75	41.294	19.002,848	126.609,716	6,663	6,203
29	26	97.578	73.119,491	2.629.640,084	35,964	35,504	79	76	37.782	17.214,387	107.606,868	6,251	5,791
30	27	97.482	72.324,363	2.556.520,593	35,348	34,888	80	77	34.245	15.448,399	90.392,481	5,851	5,391
31	28	97.383	71.535,112	2.484.196,230	34,727	34,267	81	78	30.668	13.698,089	74.944,082	5,471	5,011
32	29	97.277	70.749,907	2.412.661,118	34,101	33,641	82	79	27.107	11.987,540	61.245,992	5,109	4,649
33	30	97.169	69.971,537	2.341.911,211	33,469	33,010	83	80	23.529	10.302,385	49.258,453	4,781	4,321
34	31	97.052	69.195,315	2.271.939,673	32,834	32,374	84	81	20.102	8.714,738	38.956,068	4,470	4,010
35	32	96.924	68.420,330	2.202.744,358	32,194	31,734	85	82	16.889	7.249,090	30.241,330	4,172	3,712
36	33	96.789	67.647,946	2.134.324,028	31,550	31,090	86	83	13.962	5.933,344	22.992,240	3,875	3,415
37	34	96.641	66.875,824	2.066.676,081	30,903	30,443	87	84	11.244	4.731,219	17.058,896	3,606	3,146
38	35	96.479	66.102,687	1.999.800,257	30,253	29,793	88	85	8.788	3.660,995	12.327,677	3,367	2,907
39	36	96.296	65.324,559	1.933.697,570	29,601	29,141	89	86	6.697	2.762,217	8.666,682	3,138	2,678
40	37	96.094	64.541,579	1.868.373,011	28,948	28,488	90	87	4.939	2.017,006	5.904,465	2,927	2,467
41	38	95.869	63.753,383	1.803.831,432	28,294	27,834	91	88	3.511	1.419,852	3.887,459	2,738	2,278
42	39	95.620	62.958,178	1.740.078,049	27,639	27,179	92	89	2.401	961,208	2.467,607	2,567	2,107
43	40	95.333	62.147,573	1.677.119,871	26,986	26,526	93	90	1.575	624,251	1.506,400	2,413	1,953
44	41	95.014	61.326,526	1.614.972,298	26,334	25,874	94	91	991	388,988	882,148	2,268	1,808
45	42	94.666	60.496,573	1.553.645,772	25,682	25,222	95	92	591	229,750	493,160	2,147	1,687
46	43	94.268	59.646,131	1.493.149,198	25,033	24,573	96	93	336	129,323	263,410	2,037	1,577
47	44	93.826	58.778,730	1.433.503,067	24,388	23,928	97	94	182	69,200	134,087	1,938	1,478
48	45	93.345	57.897,934	1.374.724,337	23,744	23,284	98	95	93	35,113	64,887	1,848	1,388
49	46	92.816	57.000,114	1.316.826,404	23,102	22,642	99	96	45	16,852	29,774	1,767	1,307
							100	97	21	7,631	12,922	1,693	1,233

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 4 Jahre

Zinsfuß 1,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	46	92.399	56.182,454	1.272.293,351	22,646	22,186
1							51	47	91.776	55.251,137	1.216.110,897	22,011	21,551
2							52	48	91.123	54.314,856	1.160.859,760	21,373	20,913
3							53	49	90.397	53.348,355	1.106.544,904	20,742	20,282
4	0	99.465	95.584,269	4.751.450,174	49,710	49,250	54	50	89.613	52.361,823	1.053.196,549	20,114	19,654
5	1	99.074	94.265,913	4.655.865,905	49,391	48,931	55	51	88.779	51.361,270	1.000.834,726	19,486	19,026
6	2	99.025	93.286,385	4.561.599,992	48,899	48,439	56	52	87.870	50.331,916	949.473,456	18,864	18,404
7	3	98.994	92.333,733	4.468.313,608	48,393	47,933	57	53	86.918	49.293,839	899.141,540	18,240	17,780
8	4	98.965	91.392,559	4.375.979,875	47,881	47,421	58	54	85.894	48.230,702	849.847,700	17,620	17,160
9	5	98.940	90.465,238	4.284.587,316	47,362	46,902	59	55	84.780	47.133,566	801.616,998	17,007	16,547
10	6	98.918	89.549,452	4.194.122,078	46,836	46,376	60	56	83.571	46.001,510	754.483,432	16,401	15,941
11	7	98.900	88.646,324	4.104.572,626	46,303	45,843	61	57	82.298	44.852,481	708.481,922	15,796	15,336
12	8	98.877	87.748,315	4.015.926,302	45,766	45,306	62	58	80.947	43.679,180	663.629,441	15,193	14,733
13	9	98.855	86.859,835	3.928.177,987	45,224	44,764	63	59	79.472	42.458,734	619.950,261	14,601	14,141
14	10	98.835	85.983,130	3.841.318,152	44,675	44,215	64	60	77.925	41.220,232	577.491,527	14,010	13,550
15	11	98.809	85.108,948	3.755.335,022	44,124	43,664	65	61	76.273	39.946,929	536.271,295	13,425	12,965
16	12	98.776	84.238,507	3.670.226,074	43,569	43,109	66	62	74.516	38.640,075	496.324,366	12,845	12,385
17	13	98.730	83.365,437	3.585.987,567	43,015	42,555	67	63	72.630	37.289,314	457.684,291	12,274	11,814
18	14	98.670	82.490,207	3.502.622,130	42,461	42,001	68	64	70.591	35.883,535	420.394,977	11,716	11,256
19	15	98.584	81.602,013	3.420.131,923	41,912	41,452	69	65	68.418	34.434,701	384.511,442	11,166	10,706
20	16	98.487	80.714,576	3.338.529,909	41,362	40,902	70	66	66.112	32.944,500	350.076,741	10,626	10,166
21	17	98.391	79.837,754	3.257.815,333	40,805	40,345	71	67	63.645	31.401,117	317.132,241	10,099	9,639
22	18	98.293	78.967,923	3.177.977,579	40,244	39,784	72	68	61.014	29.805,083	285.731,124	9,587	9,127
23	19	98.190	78.104,644	3.099.009,656	39,678	39,218	73	69	58.193	28.145,442	255.926,040	9,093	8,633
24	20	98.090	77.252,591	3.020.905,011	39,104	38,644	74	70	55.222	26.444,237	227.780,598	8,614	8,154
25	21	97.988	76.408,075	2.943.652,420	38,525	38,065	75	71	52.126	24.714,471	201.336,362	8,146	7,687
26	22	97.893	75.577,727	2.867.244,345	37,938	37,478	76	72	48.910	22.960,035	176.621,890	7,693	7,233
27	23	97.796	74.755,672	2.791.666,619	37,344	36,884	77	73	45.632	21.209,261	153.661,855	7,245	6,785
28	24	97.701	73.943,287	2.716.910,947	36,743	36,283	78	74	42.256	19.445,460	132.452,595	6,811	6,352
29	25	97.602	73.137,488	2.642.967,659	36,137	35,677	79	75	38.787	17.672,594	113.007,134	6,394	5,935
30	26	97.510	72.344,616	2.569.830,172	35,522	35,062	80	76	35.266	15.908,937	95.334,540	5,993	5,533
31	27	97.411	71.555,966	2.497.485,555	34,903	34,443	81	77	31.700	14.158,708	79.425,604	5,610	5,150
32	28	97.306	70.770,913	2.425.929,589	34,279	33,819	82	78	28.150	12.448,923	65.266,896	5,243	4,783
33	29	97.197	69.992,025	2.355.158,676	33,649	33,189	83	79	24.563	10.754,798	52.817,973	4,911	4,451
34	30	97.084	69.217,978	2.285.166,651	33,014	32,554	84	80	21.132	9.161,011	42.063,176	4,592	4,132
35	31	96.959	68.444,780	2.215.948,673	32,376	31,916	85	81	17.886	7.677,038	32.902,164	4,286	3,826
36	32	96.823	67.672,009	2.147.503,894	31,734	31,274	86	82	14.926	6.343,272	25.225,126	3,977	3,517
37	33	96.679	66.902,557	2.079.831,885	31,087	30,627	87	83	12.112	5.096,418	18.881,854	3,705	3,245
38	34	96.524	66.133,692	2.012.929,328	30,437	29,977	88	84	9.556	3.980,907	13.785,437	3,463	3,003
39	35	96.346	65.358,020	1.946.795,636	29,787	29,327	89	85	7.333	3.024,848	9.804,529	3,241	2,781
40	36	96.148	64.578,095	1.881.437,616	29,134	28,674	90	86	5.493	2.243,148	6.779,681	3,022	2,562
41	37	95.928	63.792,501	1.816.859,521	28,481	28,021	91	87	3.981	1.609,586	4.536,534	2,818	2,358
42	38	95.687	63.002,249	1.753.067,020	27,825	27,365	92	88	2.765	1.106,779	2.926,948	2,645	2,185
43	39	95.409	62.197,347	1.690.064,771	27,173	26,713	93	89	1.849	732,883	1.820,169	2,484	2,024
44	40	95.097	61.379,926	1.627.867,424	26,521	26,061	94	90	1.185	464,998	1.087,286	2,338	1,878
45	41	94.759	60.556,433	1.566.487,498	25,868	25,408	95	91	728	282,734	622,288	2,201	1,741
46	42	94.374	59.713,289	1.505.931,065	25,219	24,759	96	92	423	162,750	339,554	2,086	1,626
47	43	93.948	58.855,125	1.446.217,776	24,573	24,113	97	93	234	89,175	176,804	1,983	1,523
48	44	93.475	57.978,640	1.387.362,651	23,929	23,469	98	94	123	46,393	87,629	1,889	1,429
49	45	92.963	57.090,660	1.329.384,011	23,285	22,826	99	95	61	22,859	41,237	1,804	1,344
							100	96	29	10,641	18,377	1,727	1,267

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 5 Jahre

Zinsfuß 1,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	45	92.546	56.271,701	1.283.828,153	22,815	22,355
1							51	46	91.942	55.350,546	1.227.556,452	22,178	21,718
2							52	47	91.301	54.420,685	1.172.205,907	21,540	21,080
3							53	48	90.589	53.461,691	1.117.785,221	20,908	20,448
4							54	49	89.829	52.488,147	1.064.323,531	20,277	19,817
5	0	99.452	94.625,199	4.668.875,319	49,341	48,881	55	50	89.004	51.491,370	1.011.835,384	19,651	19,191
6	1	99.061	93.319,806	4.574.250,120	49,017	48,557	56	51	88.115	50.472,089	960.344,014	19,027	18,567
7	2	99.014	92.351,992	4.480.930,313	48,520	48,060	57	52	87.182	49.443,317	909.871,925	18,402	17,942
8	3	98.982	91.408,249	4.388.578,321	48,011	47,551	58	53	86.166	48.383,475	860.428,608	17,784	17,324
9	4	98.953	90.476,923	4.297.170,072	47,495	47,035	59	54	85.076	47.298,080	812.045,133	17,169	16,709
10	5	98.931	89.561,160	4.206.693,149	46,970	46,510	60	55	83.888	46.176,374	764.747,053	16,561	16,101
11	6	98.909	88.654,493	4.117.131,989	46,440	46,000	61	56	82.630	45.033,277	718.570,679	15,956	15,496
12	7	98.886	87.755,957	4.028.477,496	45,905	45,445	62	57	81.310	43.874,998	673.537,402	15,351	14,891
13	8	98.864	86.868,174	3.940.721,539	45,364	44,904	63	58	79.856	42.664,189	629.662,404	14,759	14,299
14	9	98.842	85.988,686	3.853.853,365	44,818	44,358	64	59	78.323	41.430,858	586.998,215	14,168	13,708
15	10	98.817	85.116,106	3.767.864,679	44,267	43,807	65	60	76.695	40.168,024	545.567,358	13,582	13,122
16	11	98.786	84.246,408	3.682.748,573	43,714	43,254	66	61	74.938	38.858,746	505.399,334	13,006	12,546
17	12	98.738	83.372,518	3.598.502,165	43,162	42,702	67	62	73.090	37.525,458	466.540,587	12,433	11,973
18	13	98.680	82.498,200	3.515.129,647	42,609	42,149	68	63	71.074	36.129,281	429.015,130	11,874	11,414
19	14	98.596	81.611,523	3.432.631,447	42,061	41,601	69	64	68.922	34.688,371	392.885,849	11,326	10,866
20	15	98.505	80.729,000	3.351.019,924	41,509	41,050	70	65	66.656	33.215,786	358.197,478	10,784	10,324
21	16	98.412	79.854,665	3.270.290,924	40,953	40,493	71	66	64.226	31.688,103	324.981,693	10,256	9,796
22	17	98.314	78.985,301	3.190.436,258	40,393	39,933	72	67	61.641	30.111,163	293.293,589	9,740	9,280
23	18	98.219	78.127,113	3.111.450,957	39,825	39,366	73	68	58.866	28.471,082	263.182,426	9,244	8,784
24	19	98.117	77.274,012	3.033.323,844	39,254	38,794	74	69	55.936	26.785,977	234.711,344	8,762	8,302
25	20	98.019	76.432,216	2.956.049,832	38,675	38,215	75	70	52.878	25.070,816	207.925,367	8,294	7,834
26	21	97.916	75.596,223	2.879.617,615	38,092	37,632	76	71	49.716	23.338,404	182.854,551	7,835	7,375
27	22	97.823	74.775,917	2.804.021,393	37,499	37,039	77	72	46.470	21.598,665	159.516,147	7,385	6,925
28	23	97.726	73.962,585	2.729.245,476	36,900	36,440	78	73	43.134	19.849,849	137.917,482	6,948	6,488
29	24	97.629	73.157,363	2.655.282,891	36,295	35,836	79	74	39.691	18.084,222	118.067,633	6,529	6,069
30	25	97.534	72.362,422	2.582.125,528	35,683	35,223	80	75	36.204	16.332,395	99.983,411	6,122	5,662
31	26	97.438	71.576,004	2.509.763,106	35,064	34,604	81	76	32.645	14.580,798	83.651,016	5,737	5,277
32	27	97.334	70.791,544	2.438.187,102	34,442	33,982	82	77	29.097	12.867,536	69.070,219	5,368	4,908
33	28	97.226	70.012,806	2.367.395,557	33,814	33,354	83	78	25.508	11.168,735	56.202,682	5,032	4,572
34	29	97.112	69.238,245	2.297.382,751	33,181	32,721	84	79	22.060	9.563,302	45.033,948	4,709	4,249
35	30	96.991	68.467,197	2.228.144,507	32,543	32,083	85	80	18.802	8.070,171	35.470,646	4,395	3,935
36	31	96.858	67.696,191	2.159.677,310	31,902	31,443	86	81	15.807	6.717,746	27.400,474	4,079	3,619
37	32	96.714	66.926,354	2.091.981,119	31,258	30,798	87	82	12.949	5.448,524	20.682,729	3,796	3,336
38	33	96.563	66.160,128	2.025.054,765	30,608	30,148	88	83	10.293	4.288,190	15.234,205	3,553	3,093
39	34	96.391	65.388,675	1.958.894,637	29,958	29,498	89	84	7.974	3.289,171	10.946,015	3,328	2,868
40	35	96.197	64.611,173	1.893.505,962	29,306	28,846	90	85	6.015	2.456,426	7.656,844	3,117	2,657
41	36	95.982	63.828,594	1.828.894,788	28,653	28,193	91	86	4.427	1.790,049	5.200,418	2,905	2,445
42	37	95.746	63.040,907	1.765.066,195	27,999	27,539	92	87	3.134	1.254,678	3.410,370	2,718	2,258
43	38	95.476	62.240,886	1.702.025,288	27,346	26,886	93	88	2.129	843,875	2.155,692	2,555	2,095
44	39	95.173	61.429,085	1.639.784,402	26,694	26,234	94	89	1.391	545,916	1.311,817	2,403	1,943
45	40	94.842	60.609,161	1.578.355,317	26,042	25,582	95	90	870	337,981	765,901	2,266	1,806
46	41	94.468	59.772,373	1.517.746,156	25,392	24,932	96	91	521	200,283	427,920	2,137	1,677
47	42	94.054	58.921,392	1.457.973,783	24,744	24,284	97	92	295	112,225	227,637	2,028	1,568
48	43	93.596	58.053,996	1.399.052,390	24,099	23,639	98	93	159	59,784	115,412	1,930	1,471
49	44	93.093	57.170,242	1.340.998,395	23,456	22,996	99	94	81	30,203	55,628	1,842	1,382
							100	95	39	14,434	25,426	1,762	1,302

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 6 Jahre

Zinsfuß 1,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	44	92.675	56.350,141	1.294.478,260	22,972	22,512
1							51	45	92.088	55.438,471	1.238.128,119	22,333	21,873
2							52	46	91.465	54.518,600	1.182.689,647	21,693	21,233
3							53	47	90.766	53.565,857	1.128.171,048	21,061	20,601
4							54	48	90.020	52.599,655	1.074.605,191	20,430	19,970
5							55	49	89.219	51.615,594	1.022.005,536	19,800	19,340
6	0	99.438	93.675,486	4.586.279,617	48,959	48,499	56	50	88.338	50.599,937	970.389,942	19,178	18,718
7	1	99.049	92.385,079	4.492.604,131	48,629	48,169	57	51	87.425	49.581,015	919.790,005	18,551	18,091
8	2	99.002	91.426,325	4.400.219,052	48,129	47,669	58	52	86.427	48.530,192	870.208,990	17,931	17,471
9	3	98.970	90.492,456	4.308.792,727	47,615	47,155	59	53	85.345	47.447,899	821.678,798	17,317	16,858
10	4	98.944	89.572,729	4.218.300,271	47,094	46,634	60	54	84.181	46.337,547	774.230,899	16,708	16,249
11	5	98.922	88.666,084	4.128.727,542	46,565	46,105	61	55	82.944	45.204,460	727.893,352	16,102	15,642
12	6	98.895	87.764,045	4.040.061,458	46,033	45,573	62	56	81.637	44.051,854	682.688,892	15,497	15,037
13	7	98.873	86.875,740	3.952.297,414	45,494	45,034	63	57	80.214	42.855,457	638.637,039	14,902	14,442
14	8	98.851	85.996,941	3.865.421,674	44,948	44,488	64	58	78.702	41.631,339	595.781,582	14,311	13,851
15	9	98.824	85.121,606	3.779.424,733	44,400	43,940	65	59	77.087	40.373,273	554.150,243	13,726	13,266
16	10	98.794	84.253,493	3.694.303,127	43,847	43,387	66	60	75.352	39.073,819	513.776,970	13,149	12,689
17	11	98.748	83.380,337	3.610.049,634	43,296	42,836	67	61	73.504	37.737,822	474.703,152	12,579	12,119
18	12	98.688	82.505,208	3.526.669,297	42,745	42,285	68	62	71.524	36.358,078	436.965,330	12,018	11,558
19	13	98.605	81.619,431	3.444.164,090	42,198	41,738	69	63	69.394	34.925,931	400.607,252	11,470	11,010
20	14	98.516	80.738,408	3.362.544,659	41,647	41,187	70	64	67.147	33.460,476	365.681,321	10,929	10,469
21	15	98.430	79.868,936	3.281.806,250	41,090	40,630	71	65	64.755	31.949,043	332.220,845	10,398	9,938
22	16	98.335	79.002,032	3.201.937,315	40,530	40,070	72	66	62.204	30.386,360	300.271,802	9,882	9,422
23	17	98.240	78.144,306	3.122.935,283	39,964	39,504	73	67	59.470	28.763,462	269.885,442	9,383	8,923
24	18	98.146	77.296,242	3.044.790,976	39,391	38,931	74	68	56.583	27.095,888	241.121,980	8,899	8,439
25	19	98.046	76.453,410	2.967.494,734	38,814	38,354	75	69	53.561	25.394,808	214.026,092	8,428	7,968
26	20	97.947	75.620,108	2.891.041,325	38,231	37,771	76	70	50.433	23.674,908	188.631,284	7,968	7,508
27	21	97.846	74.794,217	2.815.421,217	37,642	37,182	77	71	47.236	21.954,599	164.956,376	7,514	7,054
28	22	97.753	73.982,615	2.740.627,000	37,044	36,584	78	72	43.926	20.214,294	143.001,776	7,074	6,614
29	23	97.654	73.176,455	2.666.644,385	36,441	35,981	79	73	40.516	18.460,302	122.787,482	6,651	6,191
30	24	97.560	72.382,087	2.593.467,930	35,830	35,370	80	74	37.048	16.712,807	104.327,181	6,242	5,782
31	25	97.462	71.593,621	2.521.085,843	35,214	34,754	81	75	33.514	14.968,904	87.614,373	5,853	5,393
32	26	97.361	70.811,369	2.449.492,222	34,592	34,132	82	76	29.964	13.251,135	72.645,469	5,482	5,022
33	27	97.254	70.033,216	2.378.680,854	33,965	33,505	83	77	26.366	11.544,300	59.394,334	5,145	4,685
34	28	97.141	69.258,802	2.308.647,638	33,334	32,874	84	78	22.909	9.931,380	47.850,035	4,818	4,358
35	29	97.019	68.487,244	2.239.388,835	32,698	32,238	85	79	19.627	8.424,560	37.918,654	4,501	4,041
36	30	96.889	67.718,363	2.170.901,592	32,058	31,598	86	80	16.617	7.061,754	29.494,094	4,177	3,717
37	31	96.748	66.950,270	2.103.183,229	31,414	30,954	87	81	13.714	5.770,176	22.432,340	3,888	3,428
38	32	96.597	66.183,661	2.036.232,959	30,766	30,306	88	82	11.004	4.584,456	16.662,164	3,634	3,175
39	33	96.429	65.414,814	1.970.049,298	30,116	29,656	89	83	8.590	3.543,059	12.077,708	3,409	2,949
40	34	96.242	64.641,479	1.904.634,485	29,465	29,005	90	84	6.540	2.671,078	8.534,649	3,195	2,735
41	35	96.032	63.861,288	1.839.993,006	28,812	28,352	91	85	4.848	1.960,246	5.863,571	2,991	2,531
42	36	95.800	63.076,574	1.776.131,718	28,158	27,698	92	86	3.485	1.395,349	3.903,325	2,797	2,337
43	37	95.535	62.279,076	1.713.055,144	27,506	27,046	93	87	2.413	956,642	2.507,976	2,622	2,162
44	38	95.240	61.472,086	1.650.776,068	26,854	26,394	94	88	1.602	628,593	1.551,334	2,468	2,008
45	39	94.918	60.657,703	1.589.303,982	26,201	25,741	95	89	1.021	396,796	922,741	2,325	1,865
46	40	94.550	59.824,419	1.528.646,279	25,552	25,092	96	90	622	239,419	525,945	2,197	1,737
47	41	94.147	58.979,693	1.468.821,860	24,904	24,444	97	91	363	138,106	286,526	2,075	1,615
48	42	93.702	58.119,361	1.409.842,167	24,258	23,798	98	92	199	75,237	148,420	1,973	1,513
49	43	93.214	57.244,546	1.351.722,806	23,613	23,153	99	93	104	38,920	73,183	1,880	1,420
							100	94	52	19,071	34,263	1,797	1,337

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 7 Jahre

Zinsfuß 1,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	43	92.796	56.423,380	1.304.297,674	23,116	22,656
1							51	44	92.216	55.515,750	1.247.874,295	22,478	22,018
2							52	45	91.611	54.605,204	1.192.358,545	21,836	21,376
3							53	46	90.929	53.662,233	1.137.753,341	21,202	20,742
4							54	47	90.195	52.702,142	1.084.091,108	20,570	20,110
5							55	48	89.408	51.725,248	1.031.388,966	19,940	19,480
6							56	49	88.551	50.722,010	979.663,717	19,314	18,854
7	0	99.427	92.737,196	4.503.714,074	48,564	48,104	57	50	87.646	49.706,605	928.941,707	18,688	18,229
8	1	99.037	91.459,081	4.410.976,878	48,229	47,769	58	51	86.668	48.665,347	879.235,102	18,067	17,607
9	2	98.990	90.510,351	4.319.517,797	47,724	47,264	59	52	85.604	47.591,779	830.569,755	17,452	16,992
10	3	98.961	89.588,106	4.229.007,446	47,205	46,745	60	53	84.448	46.484,323	782.977,976	16,844	16,384
11	4	98.935	88.677,537	4.139.419,340	46,679	46,219	61	54	83.234	45.362,240	736.493,653	16,236	15,776
12	5	98.908	87.775,519	4.050.741,803	46,149	45,689	62	55	81.948	44.219,306	691.131,412	15,630	15,170
13	6	98.882	86.883,746	3.962.966,285	45,612	45,152	63	56	80.538	43.028,203	646.912,106	15,035	14,575
14	7	98.860	86.004,431	3.876.082,539	45,068	44,608	64	57	79.055	41.817,976	603.883,903	14,441	13,981
15	8	98.833	85.129,778	3.790.078,107	44,521	44,061	65	58	77.460	40.568,636	562.065,927	13,855	13,395
16	9	98.800	84.258,938	3.704.948,330	43,971	43,511	66	59	75.737	39.273,476	521.497,291	13,279	12,819
17	10	98.756	83.387,349	3.620.689,392	43,420	42,960	67	60	73.910	37.946,690	482.223,814	12,708	12,248
18	11	98.698	82.512,945	3.537.302,043	42,870	42,410	68	61	71.929	36.563,836	444.277,125	12,151	11,691
19	12	98.614	81.626,363	3.454.789,098	42,324	41,864	69	62	69.834	35.147,108	407.713,289	11,600	11,140
20	13	98.526	80.746,232	3.373.162,734	41,775	41,315	70	63	67.607	33.689,627	372.566,181	11,059	10,599
21	14	98.441	79.878,243	3.292.416,502	41,218	40,758	71	64	65.232	32.184,402	338.876,553	10,529	10,069
22	15	98.353	79.016,150	3.212.538,259	40,657	40,197	72	65	62.716	30.636,580	306.692,152	10,011	9,551
23	16	98.261	78.160,859	3.133.522,109	40,091	39,631	73	66	60.014	29.026,342	276.055,571	9,511	9,051
24	17	98.167	77.313,252	3.055.361,250	39,519	39,059	74	67	57.164	27.374,146	247.029,229	9,024	8,564
25	18	98.075	76.475,403	2.978.047,998	38,941	38,481	75	68	54.181	25.688,623	219.655,083	8,551	8,091
26	19	97.975	75.641,076	2.901.572,594	38,360	37,900	76	69	51.085	23.980,860	193.966,460	8,088	7,628
27	20	97.877	74.817,848	2.825.931,518	37,771	37,311	77	70	47.917	22.271,151	169.985,600	7,633	7,173
28	21	97.776	74.000,721	2.751.113,670	37,177	36,717	78	71	44.650	20.547,415	147.714,449	7,189	6,729
29	22	97.681	73.196,272	2.677.112,950	36,574	36,114	79	72	41.260	18.799,235	127.167,034	6,764	6,304
30	23	97.586	72.400,977	2.603.916,677	35,965	35,505	80	73	37.818	17.060,367	108.367,799	6,352	5,892
31	24	97.489	71.613,077	2.531.515,700	35,350	34,890	81	74	34.294	15.317,558	91.307,432	5,961	5,501
32	25	97.385	70.828,797	2.459.902,624	34,730	34,270	82	75	30.762	13.603,849	75.989,874	5,586	5,126
33	26	97.282	70.052,828	2.389.073,826	34,104	33,644	83	76	27.152	11.888,451	62.386,025	5,248	4,788
34	27	97.169	69.278,992	2.319.020,999	33,474	33,014	84	77	23.679	10.265,338	50.497,574	4,919	4,459
35	28	97.048	68.507,578	2.249.742,006	32,839	32,379	85	78	20.383	8.748,809	40.232,237	4,599	4,139
36	29	96.918	67.738,190	2.181.234,428	32,201	31,741	86	79	17.347	7.371,860	31.483,427	4,271	3,811
37	30	96.780	66.972,197	2.113.496,238	31,558	31,098	87	80	14.416	6.065,660	24.111,567	3,975	3,515
38	31	96.631	66.207,311	2.046.524,040	30,911	30,451	88	81	11.654	4.855,098	18.045,907	3,717	3,257
39	32	96.464	65.438,082	1.980.316,729	30,262	29,802	89	82	9.183	3.787,845	13.190,808	3,482	3,022
40	33	96.281	64.667,318	1.914.878,648	29,611	29,151	90	83	7.045	2.877,256	9.402,963	3,268	2,808
41	34	96.077	63.891,241	1.850.211,329	28,959	28,499	91	84	5.272	2.131,540	6.525,707	3,061	2,602
42	35	95.849	63.108,883	1.786.320,088	28,305	27,845	92	85	3.817	1.528,018	4.394,167	2,876	2,416
43	36	95.589	62.314,313	1.723.211,205	27,654	27,194	93	86	2.684	1.063,898	2.866,149	2,694	2,234
44	37	95.298	61.509,805	1.660.896,893	27,002	26,542	94	87	1.816	712,592	1.802,251	2,529	2,069
45	38	94.984	60.700,164	1.599.387,088	26,349	25,889	95	88	1.176	456,889	1.089,659	2,385	1,925
46	39	94.626	59.872,333	1.538.686,924	25,699	25,239	96	89	731	281,082	632,769	2,251	1,791
47	40	94.229	59.031,049	1.478.814,591	25,051	24,591	97	90	433	165,092	351,687	2,130	1,670
48	41	93.794	58.176,868	1.419.783,542	24,405	23,945	98	91	245	92,588	186,595	2,015	1,555
49	42	93.319	57.309,000	1.361.606,675	23,759	23,299	99	92	131	48,981	94,008	1,919	1,459
							100	93	66	24,575	45,027	1,832	1,372

Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente nach der Sterbetafel 2002/2004

Altersdifferenz zwischen Mann und Frau (x - y) = 8 Jahre

Zinsfuß 1,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	42	92.900	56.486,909	1.313.335,810	23,250	22,790
1							51	43	92.336	55.587,904	1.256.848,901	22,610	22,150
2							52	44	91.738	54.681,321	1.201.260,997	21,968	21,508
3							53	45	91.073	53.747,477	1.146.579,676	21,333	20,873
4							54	46	90.357	52.796,964	1.092.832,199	20,699	20,239
5							55	47	89.583	51.826,031	1.040.035,235	20,068	19,608
6							56	48	88.739	50.829,766	988.209,203	19,442	18,982
7							57	49	87.858	49.826,524	937.379,437	18,813	18,353
8	0	99.415	91.807,669	4.421.227,464	48,157	47,698	58	50	86.888	48.788,618	887.552,913	18,192	17,732
9	1	99.025	90.542,778	4.329.419,796	47,816	47,356	59	51	85.842	47.724,321	838.764,295	17,575	17,115
10	2	98.981	89.605,823	4.238.877,018	47,306	46,846	60	52	84.704	46.625,281	791.039,974	16,966	16,506
11	3	98.952	88.692,761	4.149.271,195	46,783	46,323	61	53	83.497	45.505,927	744.414,693	16,359	15,899
12	4	98.920	87.786,857	4.060.578,435	46,255	45,795	62	54	82.234	44.373,648	698.908,766	15,751	15,291
13	5	98.895	86.895,105	3.972.791,578	45,719	45,259	63	55	80.844	43.191,764	654.535,118	15,154	14,694
14	6	98.869	86.012,357	3.885.896,473	45,178	44,718	64	56	79.374	41.986,540	611.343,354	14,560	14,100
15	7	98.842	85.137,192	3.799.884,116	44,632	44,173	65	57	77.808	40.750,510	569.356,813	13,972	13,512
16	8	98.810	84.267,026	3.714.746,924	44,083	43,623	66	58	76.104	39.463,518	528.606,304	13,395	12,935
17	9	98.762	83.392,738	3.630.479,897	43,535	43,075	67	59	74.288	38.140,588	489.142,786	12,825	12,365
18	10	98.706	82.519,885	3.547.087,159	42,985	42,525	68	60	72.327	36.766,206	451.002,197	12,267	11,807
19	11	98.623	81.634,019	3.464.567,275	42,440	41,980	69	61	70.229	35.346,013	414.235,991	11,719	11,259
20	12	98.534	80.753,090	3.382.933,256	41,892	41,432	70	62	68.035	33.902,975	378.889,979	11,176	10,716
21	13	98.451	79.885,984	3.302.180,166	41,336	40,876	71	63	65.679	32.404,814	344.987,003	10,646	10,186
22	14	98.364	79.025,358	3.222.294,182	40,775	40,315	72	64	63.178	30.862,270	312.582,189	10,128	9,668
23	15	98.279	78.174,826	3.143.268,824	40,208	39,748	73	65	60.508	29.265,363	281.719,919	9,626	9,166
24	16	98.188	77.329,629	3.065.093,998	39,637	39,177	74	66	57.686	27.624,328	252.454,556	9,139	8,679
25	17	98.096	76.492,233	2.987.764,369	39,060	38,600	75	67	54.737	25.952,430	224.830,228	8,663	8,203
26	18	98.003	75.662,836	2.911.272,135	38,477	38,017	76	68	51.676	24.258,316	198.877,798	8,198	7,738
27	19	97.905	74.838,594	2.835.609,299	37,890	37,430	77	69	48.536	22.558,962	174.619,482	7,741	7,281
28	20	97.807	74.024,102	2.760.770,705	37,296	36,836	78	70	45.294	20.843,677	152.060,520	7,295	6,835
29	21	97.705	73.214,186	2.686.746,604	36,697	36,237	79	71	41.940	19.109,036	131.216,843	6,867	6,407
30	22	97.612	72.420,584	2.613.532,418	36,088	35,628	80	72	38.512	17.373,598	112.107,807	6,453	5,993
31	23	97.514	71.631,766	2.541.111,834	35,475	35,015	81	73	35.007	15.636,102	94.734,209	6,059	5,599
32	24	97.412	70.848,045	2.469.480,068	34,856	34,396	82	74	31.478	13.920,708	79.098,107	5,682	5,222
33	25	97.306	70.070,070	2.398.632,023	34,232	33,772	83	75	27.875	12.204,893	65.177,399	5,340	4,880
34	26	97.196	69.298,393	2.328.561,953	33,602	33,142	84	76	24.385	10.571,361	52.972,505	5,011	4,551
35	27	97.076	68.527,549	2.259.263,560	32,969	32,509	85	77	21.068	9.043,001	42.401,144	4,689	4,229
36	28	96.946	67.758,302	2.190.736,011	32,332	31,872	86	78	18.014	7.655,593	33.358,143	4,357	3,897
37	29	96.808	66.991,806	2.122.977,709	31,690	31,230	87	79	15.049	6.332,024	25.702,551	4,059	3,599
38	30	96.663	66.228,996	2.055.985,902	31,044	30,584	88	80	12.251	5.103,723	19.370,526	3,795	3,335
39	31	96.498	65.461,465	1.989.756,907	30,396	29,936	89	81	9.725	4.011,460	14.266,803	3,557	3,097
40	32	96.315	64.690,320	1.924.295,441	29,746	29,286	90	82	7.532	3.076,043	10.255,344	3,334	2,874
41	33	96.115	63.916,781	1.859.605,121	29,094	28,634	91	83	5.678	2.296,072	7.179,301	3,127	2,667
42	34	95.894	63.138,483	1.795.688,340	28,440	27,980	92	84	4.150	1.661,543	4.883,229	2,939	2,479
43	35	95.638	62.346,231	1.732.549,857	27,789	27,329	93	85	2.939	1.165,053	3.221,687	2,765	2,305
44	36	95.352	61.544,606	1.670.203,625	27,138	26,678	94	86	2.019	792,486	2.056,634	2,595	2,135
45	37	95.043	60.737,409	1.608.659,020	26,485	26,025	95	87	1.333	517,943	1.264,148	2,441	1,981
46	38	94.692	59.914,244	1.547.921,610	25,836	25,376	96	88	841	323,651	746,204	2,306	1,846
47	39	94.305	59.078,327	1.488.007,367	25,187	24,727	97	89	509	193,821	422,553	2,180	1,720
48	40	93.876	58.227,525	1.428.929,040	24,540	24,080	98	90	293	110,680	228,732	2,067	1,607
49	41	93.411	57.365,705	1.370.701,515	23,894	23,434	99	91	161	60,276	118,053	1,959	1,499
							100	92	84	30,927	57,776	1,868	1,408

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 9 Jahre

Zinsfuß 1,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	41	92.992	56.542,801	1.321.643,425	23,374	22,914
1							51	42	92.440	55.650,493	1.265.100,625	22,733	22,273
2							52	43	91.857	54.752,390	1.209.450,132	22,089	21,629
3							53	44	91.200	53.822,399	1.154.697,742	21,454	20,994
4							54	45	90.501	52.880,834	1.100.875,343	20,818	20,358
5							55	46	89.744	51.919,278	1.047.994,509	20,185	19,725
6							56	47	88.912	50.928,805	996.075,232	19,558	19,098
7							57	48	88.044	49.932,377	945.146,427	18,929	18,469
8							58	49	87.097	48.906,322	895.214,050	18,305	17,845
9	0	99.403	90.887,874	4.338.870,364	47,739	47,279	59	50	86.060	47.845,208	846.307,728	17,688	17,228
10	1	99.016	89.637,926	4.247.982,491	47,390	46,930	60	51	84.940	46.755,131	798.462,520	17,078	16,618
11	2	98.971	88.710,300	4.158.344,565	46,876	46,416	61	52	83.750	45.643,918	751.707,388	16,469	16,009
12	3	98.937	87.801,928	4.069.634,265	46,350	45,890	62	53	82.494	44.514,204	706.063,470	15,862	15,402
13	4	98.908	86.906,329	3.981.832,338	45,818	45,358	63	54	81.126	43.342,520	661.549,266	15,263	14,803
14	5	98.882	86.023,602	3.894.926,008	45,277	44,817	64	55	79.676	42.146,142	618.206,747	14,668	14,208
15	6	98.851	85.145,038	3.808.902,406	44,734	44,274	65	56	78.121	40.914,771	576.060,605	14,080	13,620
16	7	98.818	84.274,366	3.723.757,368	44,186	43,726	66	57	76.445	39.640,437	535.145,834	13,500	13,040
17	8	98.772	83.400,743	3.639.483,002	43,638	43,179	67	58	74.648	38.325,148	495.505,397	12,929	12,469
18	9	98.712	82.525,217	3.556.082,259	43,091	42,631	68	59	72.697	36.954,073	457.180,249	12,372	11,912
19	10	98.631	81.640,884	3.473.557,041	42,547	42,087	69	60	70.617	35.541,643	420.226,177	11,823	11,364
20	11	98.543	80.760,664	3.391.916,157	42,000	41,540	70	61	68.420	34.094,839	384.684,534	11,283	10,823
21	12	98.459	79.892,769	3.311.155,493	41,445	40,985	71	62	66.095	32.610,025	350.589,695	10,751	10,291
22	13	98.374	79.033,016	3.231.262,725	40,885	40,425	72	63	63.611	31.073,628	317.979,669	10,233	9,773
23	14	98.290	78.183,937	3.152.229,709	40,318	39,858	73	64	60.954	29.480,952	286.906,041	9,732	9,272
24	15	98.206	77.343,448	3.074.045,772	39,745	39,285	74	65	58.161	27.851,804	257.425,089	9,243	8,783
25	16	98.117	76.508,436	2.996.702,324	39,168	38,708	75	66	55.237	26.189,618	229.573,285	8,766	8,306
26	17	98.024	75.679,487	2.920.193,889	38,586	38,126	76	67	52.206	24.507,434	203.383,667	8,299	7,839
27	18	97.933	74.860,123	2.844.514,402	37,998	37,538	77	68	49.098	22.819,967	178.876,233	7,839	7,379
28	19	97.834	74.044,627	2.769.654,278	37,405	36,945	78	69	45.879	21.113,041	156.056,266	7,391	6,931
29	20	97.735	73.237,318	2.695.609,651	36,807	36,347	79	70	42.545	19.384,559	134.943,225	6,961	6,501
30	21	97.636	72.438,308	2.622.372,333	36,201	35,741	80	71	39.147	17.659,905	115.558,666	6,544	6,084
31	22	97.541	71.651,165	2.549.934,025	35,588	35,128	81	72	35.650	15.923,183	97.898,761	6,148	5,688
32	23	97.437	70.866,535	2.478.282,861	34,971	34,511	82	73	32.133	14.210,204	81.975,578	5,769	5,309
33	24	97.332	70.089,111	2.407.416,326	34,348	33,888	83	74	28.524	12.489,168	67.765,374	5,426	4,966
34	25	97.220	69.315,449	2.337.327,215	33,720	33,260	84	75	25.034	10.852,746	55.276,206	5,093	4,633
35	26	97.104	68.546,740	2.268.011,765	33,087	32,627	85	76	21.696	9.312,585	44.423,460	4,770	4,310
36	27	96.975	67.778,055	2.199.465,026	32,451	31,991	86	77	18.620	7.913,023	35.110,875	4,437	3,977
37	28	96.837	67.011,697	2.131.686,971	31,811	31,351	87	78	15.628	6.575,735	27.197,852	4,136	3,676
38	29	96.691	66.248,387	2.064.675,274	31,166	30,706	88	79	12.789	5.327,845	20.622,117	3,871	3,411
39	30	96.530	65.482,905	1.998.426,887	30,518	30,058	89	80	10.223	4.216,882	15.294,272	3,627	3,167
40	31	96.349	64.713,437	1.932.943,981	29,869	29,409	90	81	7.977	3.257,636	11.077,390	3,400	2,940
41	32	96.149	63.939,516	1.868.230,545	29,219	28,759	91	82	6.071	2.454,705	7.819,754	3,186	2,726
42	33	95.932	63.163,722	1.804.291,028	28,565	28,105	92	83	4.471	1.789,796	5.365,049	2,998	2,538
43	34	95.683	62.375,474	1.741.127,306	27,914	27,454	93	84	3.196	1.266,860	3.575,254	2,822	2,362
44	35	95.401	61.576,130	1.678.751,832	27,263	26,803	94	85	2.211	867,835	2.308,394	2,660	2,200
45	36	95.096	60.771,773	1.617.175,702	26,611	26,151	95	86	1.482	576,014	1.440,558	2,501	2,041
46	37	94.750	59.951,007	1.556.403,929	25,961	25,501	96	87	954	366,901	864,544	2,356	1,896
47	38	94.371	59.119,682	1.496.452,922	25,312	24,852	97	88	586	223,174	497,643	2,230	1,770
48	39	93.951	58.274,159	1.437.333,240	24,665	24,205	98	89	345	129,940	274,469	2,112	1,652
49	40	93.493	57.415,656	1.379.059,081	24,019	23,559	99	90	193	72,054	144,529	2,006	1,546
							100	91	103	38,060	72,475	1,904	1,444

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 10 Jahre

Zinsfuß 1,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	40	93,073	56.592,035	1.329.270,805	23,489	23,029
1							51	41	92,531	55.705,557	1.272.678,770	22,847	22,387
2							52	42	91,961	54.814,038	1.216.973,213	22,202	21,742
3							53	43	91,319	53.892,352	1.162.159,175	21,564	21,104
4							54	44	90,627	52.954,547	1.108.266,823	20,929	20,469
5							55	45	89,886	52.001,753	1.055.312,276	20,294	19,834
6							56	46	89,072	51.020,436	1.003.310,523	19,665	19,205
7							57	47	88,216	50.029,667	952.290,087	19,035	18,575
8							58	48	87,282	49.010,220	902.260,419	18,410	17,950
9							59	49	86,267	47.960,636	853.250,199	17,791	17,331
10	0	99,393	89.979,572	4.256.690,823	47,307	46,847	60	50	85,155	46.873,563	805.289,563	17,180	16,720
11	1	99,007	88.742,082	4.166.711,251	46,953	46,493	61	51	83,984	45.771,036	758.416,000	16,570	16,110
12	2	98,957	87.819,291	4.077.969,169	46,436	45,976	62	52	82,744	44.649,187	712.644,964	15,961	15,501
13	3	98,924	86.921,249	3.990.149,878	45,905	45,445	63	53	81,383	43.479,809	667.995,777	15,363	14,903
14	4	98,895	86.034,714	3.903.228,629	45,368	44,908	64	54	79,954	42.293,248	624.515,968	14,766	14,306
15	5	98,864	85.156,170	3.817.193,915	44,826	44,366	65	55	78,418	41.070,298	582.222,720	14,176	13,716
16	6	98,827	84.282,132	3.732.037,745	44,280	43,820	66	56	76,753	39.800,224	541.152,422	13,597	13,137
17	7	98,780	83.408,007	3.647.755,613	43,734	43,274	67	57	74,982	38.496,963	501.352,198	13,023	12,563
18	8	98,722	82.533,140	3.564.347,606	43,187	42,727	68	58	73,049	37.132,891	462.855,235	12,465	12,005
19	9	98,637	81.646,160	3.481.814,466	42,645	42,185	69	59	70,978	35.723,252	425.722,344	11,917	11,457
20	10	98,552	80.767,456	3.400.168,306	42,098	41,638	70	60	68,799	34.283,544	389.999,092	11,376	10,916
21	11	98,468	79.900,262	3.319.400,850	41,544	41,084	71	61	66,469	32.794,572	355.715,548	10,847	10,387
22	12	98,382	79.039,728	3.239.500,589	40,986	40,526	72	62	64,014	31.270,410	322.920,976	10,327	9,867
23	13	98,299	78.191,513	3.160.460,860	40,419	39,960	73	63	61,371	29.682,850	291.650,566	9,826	9,366
24	14	98,217	77.352,461	3.082.269,347	39,847	39,387	74	64	58,590	28.056,980	261.967,716	9,337	8,877
25	15	98,134	76.522,108	3.004.916,888	39,269	38,809	75	65	55,692	26.405,280	233.910,737	8,858	8,399
26	16	98,045	75.695,517	2.928.394,778	38,687	38,227	76	66	52,683	24.731,416	207.505,457	8,390	7,930
27	17	97,954	74.876,597	2.852.699,261	38,099	37,639	77	67	49,602	23.054,314	182.774,041	7,928	7,468
28	18	97,863	74.065,928	2.777.822,663	37,505	37,045	78	68	46,410	21.357,317	159.719,726	7,478	7,018
29	19	97,763	73.257,625	2.703.756,735	36,908	36,448	79	69	43,094	19.635,067	138.362,410	7,047	6,587
30	20	97,667	72.461,195	2.630.499,110	36,302	35,842	80	70	39,711	17.914,534	118.727,343	6,627	6,167
31	21	97,565	71.668,700	2.558.037,915	35,693	35,233	81	71	36,238	16.185,588	100.812,809	6,229	5,769
32	22	97,464	70.885,726	2.486.369,215	35,076	34,616	82	72	32,723	14.471,105	84.627,221	5,848	5,388
33	23	97,357	70.107,403	2.415.483,488	34,454	33,994	83	73	29,117	12.748,893	70.156,116	5,503	5,043
34	24	97,247	69.334,286	2.345.376,086	33,827	33,367	84	74	25,617	11.105,527	57.407,223	5,169	4,709
35	25	97,127	68.563,611	2.276.041,800	33,196	32,736	85	75	22,274	9.560,464	46.301,696	4,843	4,383
36	26	97,002	67.797,035	2.207.478,189	32,560	32,100	86	76	19,175	8.148,921	36.741,232	4,509	4,049
37	27	96,865	67.031,232	2.139.681,153	31,921	31,461	87	77	16,154	6.796,854	28.592,311	4,207	3,747
38	28	96,720	66.268,057	2.072.649,921	31,277	30,817	88	78	13,281	5.532,906	21.795,457	3,939	3,479
39	29	96,558	65.502,078	2.006.381,865	30,631	30,171	89	79	10,672	4.402,060	16.262,551	3,694	3,234
40	30	96,381	64.734,632	1.940.879,786	29,982	29,522	90	80	8,385	3.424,456	11.860,491	3,463	3,003
41	31	96,184	63.962,364	1.876.145,154	29,332	28,872	91	81	6,429	2.599,618	8.436,035	3,245	2,785
42	32	95,967	63.186,190	1.812.182,790	28,680	28,220	92	82	4,780	1.913,451	5.836,417	3,050	2,590
43	33	95,721	62.400,408	1.748.996,600	28,029	27,569	93	83	3,443	1.364,648	3.922,967	2,875	2,415
44	34	95,446	61.605,012	1.686.596,193	27,378	26,918	94	84	2,405	943,670	2.558,319	2,711	2,251
45	35	95,145	60.802,902	1.624.991,181	26,726	26,266	95	85	1,623	630,781	1.614,649	2,560	2,100
46	36	94,804	59.984,926	1.564.188,279	26,076	25,616	96	86	1,061	408,037	983,868	2,411	1,951
47	37	94,428	59.155,957	1.504.203,354	25,428	24,968	97	87	664	252,997	575,831	2,276	1,816
48	38	94,017	58.314,951	1.445.047,396	24,780	24,320	98	88	397	149,619	322,834	2,158	1,698
49	39	93,568	57.461,640	1.386.732,445	24,133	23,673	99	89	227	84,593	173,215	2,048	1,588
							100	90	123	45,497	88,622	1,948	1,488

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 11 Jahre

Zinsfuß 1,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	39	93.148	56.637,359	1.336.269,001	23,593	23,133
1							51	40	92.612	55.754,062	1.279.631,642	22,951	22,491
2							52	41	92.052	54.868,275	1.223.877,580	22,306	21,846
3							53	42	91.422	53.953,032	1.169.009,305	21,667	21,207
4							54	43	90.745	53.023,372	1.115.056,274	21,030	20,570
5							55	44	90.012	52.074,241	1.062.032,901	20,395	19,935
6							56	45	89.213	51.101,484	1.009.958,661	19,764	19,304
7							57	46	88.374	50.119,681	958.857,177	19,131	18,671
8							58	47	87.452	49.105,713	908.737,496	18,506	18,046
9							59	48	86.451	48.062,525	859.631,782	17,886	17,426
10							60	49	85.360	46.986,647	811.569,257	17,272	16,812
11	0	99.384	89.080,314	4.174.733,045	46,865	46,405	61	50	84.196	45.886,975	764.582,610	16,662	16,202
12	1	98.992	87.850,754	4.085.652,730	46,507	46,047	62	51	82.975	44.773,534	718.695,635	16,052	15,592
13	2	98.944	86.938,438	3.997.801,977	45,984	45,524	63	52	81.630	43.611,656	673.922,100	15,453	14,993
14	3	98.912	86.049,484	3.910.863,539	45,449	44,989	64	53	80.207	42.427,214	630.310,444	14,856	14,396
15	4	98.876	85.167,170	3.824.814,055	44,909	44,450	65	54	78.692	41.213,649	587.883,231	14,264	13,804
16	5	98.840	84.293,151	3.739.646,885	44,365	43,905	66	55	77.045	39.951,514	546.669,582	13,683	13,223
17	6	98.790	83.415,694	3.655.353,734	43,821	43,361	67	56	75.285	38.652,141	506.718,067	13,110	12,650
18	7	98.730	82.540,328	3.571.938,040	43,275	42,815	68	57	73.376	37.299,361	468.065,926	12,549	12,089
19	8	98.647	81.653,998	3.489.397,712	42,734	42,274	69	58	71.322	35.896,114	430.766,565	12,000	11,540
20	9	98.558	80.772,675	3.407.743,714	42,189	41,729	70	59	69.151	34.458,725	394.870,451	11,459	10,999
21	10	98.477	79.906,981	3.326.971,039	41,636	41,176	71	60	66.837	32.976,081	360.411,726	10,929	10,470
22	11	98.391	79.047,141	3.247.064,057	41,078	40,618	72	61	64.376	31.447,375	327.435,645	10,412	9,952
23	12	98.308	78.198,154	3.168.016,916	40,513	40,053	73	62	61.760	29.870,824	295.988,270	9,909	9,449
24	13	98.227	77.359,957	3.089.818,762	39,941	39,481	74	63	58.991	28.249,126	266.117,446	9,420	8,960
25	14	98.146	76.531,026	3.012.458,805	39,363	38,903	75	64	56.102	26.599,799	237.868,321	8,942	8,483
26	15	98.063	75.709,044	2.935.927,780	38,779	38,319	76	65	53.117	24.935,070	211.268,521	8,473	8,013
27	16	97.975	74.892,458	2.860.218,735	38,191	37,731	77	66	50.055	23.265,016	186.333,451	8,009	7,549
28	17	97.884	74.082,228	2.785.326,278	37,598	37,138	78	67	46.887	21.576,643	163.068,435	7,558	7,098
29	18	97.791	73.278,700	2.711.244,050	36,999	36,539	79	68	43.593	19.862,243	141.491,792	7,124	6,664
30	19	97.694	72.481,287	2.637.965,350	36,395	35,935	80	69	40.225	18.146,044	121.629,550	6,703	6,243
31	20	97.595	71.691,344	2.565.484,063	35,785	35,325	81	70	36.760	16.418,960	103.483,505	6,303	5,843
32	21	97.488	70.903,074	2.493.792,719	35,172	34,712	82	71	33.262	14.709,580	87.064,546	5,919	5,459
33	22	97.384	70.126,389	2.422.889,645	34,550	34,090	83	72	29.652	12.982,964	72.354,965	5,573	5,113
34	23	97.272	69.352,380	2.352.763,256	33,925	33,465	84	73	26.150	11.336,477	59.372,001	5,237	4,777
35	24	97.154	68.582,243	2.283.410,875	33,294	32,835	85	74	22.793	9.783,145	48.035,523	4,910	4,450
36	25	97.026	67.813,722	2.214.828,632	32,660	32,200	86	75	19.686	8.365,826	38.252,378	4,572	4,112
37	26	96.892	67.050,003	2.147.014,910	32,021	31,561	87	76	16.635	6.999,477	29.886,552	4,270	3,810
38	27	96.748	66.287,375	2.079.964,907	31,378	30,918	88	77	13.728	5.718,958	22.887,075	4,002	3,542
39	28	96.587	65.521,527	2.013.677,532	30,733	30,273	89	78	11.083	4.571,489	17.168,117	3,755	3,295
40	29	96.409	64.753,586	1.948.156,005	30,086	29,626	90	79	8.753	3.574,836	12.596,628	3,524	3,064
41	30	96.215	63.983,314	1.883.402,419	29,436	28,976	91	80	6.758	2.732,742	9.021,792	3,301	2,841
42	31	96.001	63.208,768	1.819.419,106	28,784	28,324	92	81	5.062	2.026,411	6.289,050	3,104	2,644
43	32	95.755	62.422,604	1.756.210,337	28,134	27,674	93	82	3.681	1.458,930	4.262,640	2,922	2,462
44	33	95.484	61.629,637	1.693.787,734	27,483	27,023	94	83	2.590	1.016,511	2.803,710	2,758	2,298
45	34	95.190	60.831,421	1.632.158,096	26,831	26,371	95	84	1.765	685,901	1.787,199	2,606	2,146
46	35	94.852	60.015,651	1.571.326,676	26,182	25,722	96	85	1.161	446,833	1.101,297	2,465	2,005
47	36	94.482	59.189,427	1.511.311,025	25,533	25,073	97	86	739	281,362	654,464	2,326	1,866
48	37	94.075	58.350,733	1.452.121,598	24,886	24,426	98	87	450	169,612	373,102	2,200	1,740
49	38	93.633	57.501,864	1.393.770,865	24,239	23,779	99	88	261	97,405	203,490	2,089	1,629
							100	89	144	53,414	106,085	1,986	1,526

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 12 Jahre

Zinsfuß 1,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	38	93.213	56.677,006	1.342.684,808	23,690	23,230
1							51	39	92.686	55.798,715	1.286.007,803	23,047	22,587
2							52	40	92.132	54.916,051	1.230.209,087	22,402	21,942
3							53	41	91.512	54.006,416	1.175.293,037	21,762	21,302
4							54	42	90.847	53.083,073	1.121.286,620	21,123	20,663
5							55	43	90.129	52.141,922	1.068.203,547	20,486	20,026
6							56	44	89.338	51.172,717	1.016.061,625	19,856	19,396
7							57	45	88.515	50.199,298	964.888,909	19,221	18,761
8							58	46	87.610	49.194,065	914.689,611	18,593	18,134
9							59	47	86.619	48.156,172	865.495,546	17,973	17,513
10							60	48	85.542	47.086,467	817.339,374	17,358	16,898
11							61	49	84.399	45.997,679	770.252,906	16,745	16,285
12	0	99.370	88.185,589	4.093.041,120	46,414	45,954	62	50	83.185	44.886,947	724.255,228	16,135	15,675
13	1	98.980	86.969,585	4.004.855,532	46,049	45,589	63	51	81.857	43.733,113	679.368,280	15,534	15,074
14	2	98.931	86.066,501	3.917.885,946	45,522	45,062	64	52	80.450	42.555,869	635.635,167	14,936	14,477
15	3	98.893	85.181,791	3.831.819,446	44,984	44,524	65	53	78.941	41.344,195	593.079,298	14,345	13,885
16	4	98.853	84.304,039	3.746.637,655	44,442	43,982	66	54	77.314	40.090,960	551.735,103	13,762	13,302
17	5	98.802	83.426,600	3.662.333,615	43,899	43,439	67	55	75.571	38.799,067	511.644,143	13,187	12,727
18	6	98.740	82.547,935	3.578.907,016	43,356	42,896	68	56	73.672	37.449,711	472.845,075	12,626	12,166
19	7	98.656	81.661,110	3.496.359,081	42,815	42,355	69	57	71.642	36.057,040	435.395,364	12,075	11,615
20	8	98.567	80.780,429	3.414.697,971	42,271	41,811	70	58	69.485	34.625,468	399.338,324	11,533	11,073
21	9	98.483	79.912,145	3.333.917,542	41,720	41,260	71	59	67.178	33.144,580	364.712,855	11,004	10,544
22	10	98.400	79.053,789	3.254.005,397	41,162	40,702	72	60	64.732	31.621,427	331.568,275	10,486	10,026
23	11	98.317	78.205,488	3.174.951,608	40,598	40,138	73	61	62.110	30.039,869	299.946,848	9,985	9,525
24	12	98.235	77.366,527	3.096.746,120	40,027	39,567	74	62	59.365	28.428,020	269.906,979	9,494	9,034
25	13	98.155	76.538,441	3.019.379,593	39,449	38,989	75	63	56.487	26.781,966	241.478,959	9,016	8,556
26	14	98.074	75.717,867	2.942.841,151	38,866	38,406	76	64	53.508	25.118,759	214.696,993	8,547	8,087
27	15	97.992	74.905,841	2.867.123,284	38,276	37,816	77	65	50.467	23.456,595	189.578,234	8,082	7,622
28	16	97.905	74.097,920	2.792.217,443	37,683	37,223	78	66	47.315	21.773,840	166.121,639	7,629	7,169
29	17	97.812	73.294,826	2.718.119,523	37,085	36,625	79	67	44.041	20.066,216	144.347,799	7,194	6,734
30	18	97.722	72.502,138	2.644.824,697	36,479	36,019	80	68	40.690	18.355,992	124.281,584	6,771	6,311
31	19	97.622	71.711,223	2.572.322,559	35,871	35,411	81	69	37.235	16.631,143	105.925,592	6,369	5,909
32	20	97.518	70.925,476	2.500.611,336	35,257	34,797	82	70	33.742	14.921,670	89.294,449	5,984	5,524
33	21	97.408	70.143,551	2.429.685,859	34,639	34,179	83	71	30.140	13.196,916	74.372,779	5,636	5,176
34	22	97.298	69.371,162	2.359.542,308	34,013	33,553	84	72	26.630	11.544,617	61.175,862	5,299	4,839
35	23	97.179	68.600,141	2.290.171,146	33,384	32,924	85	73	23.267	9.986,596	49.631,246	4,970	4,510
36	24	97.052	67.832,151	2.221.571,005	32,751	32,291	86	74	20.144	8.560,682	39.644,650	4,631	4,171
37	25	96.916	67.066,506	2.153.738,854	32,113	31,653	87	75	17.078	7.185,787	31.083,968	4,326	3,866
38	26	96.775	66.305,938	2.086.672,348	31,470	31,010	88	76	14.137	5.889,448	23.898,181	4,058	3,598
39	27	96.615	65.540,627	2.020.366,410	30,826	30,366	89	77	11.456	4.725,212	18.008,733	3,811	3,351
40	28	96.438	64.772,812	1.954.825,783	30,180	29,720	90	78	9.090	3.712,426	13.283,521	3,578	3,118
41	29	96.243	64.002,047	1.890.052,971	29,531	29,071	91	79	7.055	2.852,746	9.571,095	3,355	2,895
42	30	96.032	63.229,471	1.826.050,924	28,880	28,420	92	80	5.321	2.130,181	6.718,350	3,154	2,694
43	31	95.789	62.444,910	1.762.821,453	28,230	27,770	93	81	3.898	1.545,057	4.588,168	2,970	2,510
44	32	95.518	61.651,559	1.700.376,543	27,580	27,120	94	82	2.769	1.086,741	3.043,111	2,800	2,340
45	33	95.228	60.855,737	1.638.724,984	26,928	26,468	95	83	1.901	738,845	1.956,370	2,648	2,188
46	34	94.897	60.043,801	1.577.869,247	26,279	25,819	96	84	1.263	485,879	1.217,525	2,506	2,046
47	35	94.530	59.219,745	1.517.825,446	25,630	25,170	97	85	809	308,114	731,646	2,375	1,915
48	36	94.128	58.383,747	1.458.605,702	24,983	24,523	98	86	500	188,629	423,532	2,245	1,785
49	37	93.691	57.537,146	1.400.221,955	24,336	23,876	99	87	296	110,421	234,903	2,127	1,667
							100	88	166	61,503	124,482	2,024	1,564

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 13 Jahre

Zinsfuß 1,00%

Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	37	93.270	56.711,782	1.348.563,111	23,779	23,319
1							51	38	92.751	55.837,775	1.291.851,329	23,136	22,676
2							52	39	92.206	54.960,033	1.236.013,554	22,489	22,029
3							53	40	91.592	54.053,442	1.181.053,521	21,850	21,390
4							54	41	90.937	53.135,597	1.127.000,080	21,210	20,750
5							55	42	90.230	52.200,630	1.073.864,482	20,572	20,112
6							56	43	89.454	51.239,226	1.021.663,852	19,939	19,479
7							57	44	88.638	50.269,273	970.424,626	19,305	18,845
8							58	45	87.749	49.272,211	920.155,353	18,675	18,215
9							59	46	86.775	48.242,815	870.883,141	18,052	17,592
10							60	47	85.709	47.178,212	822.640,326	17,437	16,977
11							61	48	84.579	46.095,398	775.462,114	16,823	16,363
12							62	49	83.386	44.995,238	729.366,716	16,210	15,750
13	0	99.357	87.301,062	4.011.660,875	45,952	45,492	63	50	82.065	43.843,891	684.371,478	15,609	15,149
14	1	98.967	86.097,336	3.924.359,813	45,581	45,121	64	51	80.674	42.674,386	640.527,587	15,010	14,550
15	2	98.913	85.198,636	3.838.262,478	45,051	44,591	65	52	79.181	41.469,566	597.853,201	14,417	13,957
16	3	98.870	84.318,512	3.753.063,842	44,511	44,051	66	53	77.559	40.217,950	556.383,635	13,834	13,374
17	4	98.815	83.437,376	3.668.745,330	43,970	43,510	67	54	75.834	38.934,491	516.165,685	13,257	12,797
18	5	98.752	82.558,727	3.585.307,954	43,427	42,967	68	55	73.952	37.592,067	477.231,194	12,695	12,235
19	6	98.665	81.668,635	3.502.749,227	42,890	42,430	69	56	71.930	36.202,383	439.639,127	12,144	11,684
20	7	98.576	80.787,465	3.421.080,592	42,347	41,887	70	57	69.797	34.780,698	403.436,744	11,599	11,139
21	8	98.493	79.919,817	3.340.293,127	41,796	41,336	71	58	67.504	33.304,965	368.656,046	11,069	10,609
22	9	98.406	79.058,898	3.260.373,310	41,240	40,780	72	59	65.063	31.783,005	335.351,082	10,551	10,091
23	10	98.325	78.212,065	3.181.314,412	40,675	40,216	73	60	62.453	30.206,131	303.568,076	10,050	9,590
24	11	98.244	77.373,783	3.103.102,347	40,105	39,645	74	61	59.701	28.588,900	273.361,946	9,562	9,102
25	12	98.164	76.544,942	3.025.728,564	39,529	39,069	75	62	56.844	26.951,569	244.773,046	9,082	8,622
26	13	98.084	75.725,204	2.949.183,622	38,946	38,486	76	63	53.875	25.290,783	217.821,476	8,613	8,153
27	14	98.004	74.914,571	2.873.458,417	38,356	37,896	77	64	50.839	23.629,392	192.530,693	8,148	7,688
28	15	97.922	74.111,161	2.798.543,847	37,761	37,301	78	65	47.705	21.953,139	168.901,301	7,694	7,234
29	16	97.833	73.310,351	2.724.432,686	37,163	36,703	79	66	44.443	20.249,608	146.948,162	7,257	6,797
30	17	97.743	72.518,094	2.651.122,334	36,558	36,098	80	67	41.108	18.544,497	126.698,554	6,832	6,372
31	18	97.651	71.731,853	2.578.604,240	35,948	35,488	81	68	37.666	16.823,564	108.154,057	6,429	5,969
32	19	97.545	70.945,143	2.506.872,388	35,335	34,875	82	69	34.178	15.114,504	91.330,494	6,043	5,583
33	20	97.438	70.165,713	2.435.927,245	34,717	34,257	83	70	30.575	13.387,196	76.215,990	5,693	5,233
34	21	97.322	69.388,139	2.365.761,532	34,095	33,635	84	71	27.069	11.734,865	62.828,794	5,354	4,894
35	22	97.205	68.618,719	2.296.373,393	33,466	33,006	85	72	23.694	10.169,951	51.093,929	5,024	4,564
36	23	97.077	67.849,853	2.227.754,673	32,834	32,374	86	73	20.563	8.738,710	40.923,978	4,683	4,223
37	24	96.943	67.084,732	2.159.904,820	32,197	31,737	87	74	17.476	7.353,157	32.185,268	4,377	3,917
38	25	96.799	66.322,258	2.092.820,089	31,555	31,095	88	75	14.513	6.046,211	24.832,111	4,107	3,647
39	26	96.642	65.558,981	2.026.497,831	30,911	30,451	89	76	11.797	4.866,077	18.785,899	3,861	3,401
40	27	96.466	64.791,694	1.960.938,850	30,265	29,805	90	77	9.396	3.837,262	13.919,822	3,628	3,168
41	28	96.272	64.021,050	1.896.147,156	29,618	29,158	91	78	7.327	2.962,544	10.082,561	3,403	2,943
42	29	96.060	63.247,984	1.832.126,106	28,967	28,507	92	79	5.555	2.223,725	7.120,017	3,202	2,742
43	30	95.820	62.465,362	1.768.878,122	28,318	27,858	93	80	4.098	1.624,178	4.896,292	3,015	2,555
44	31	95.552	61.673,589	1.706.412,760	27,668	27,208	94	81	2.933	1.150,896	3.272,114	2,843	2,383
45	32	95.262	60.877,384	1.644.739,170	27,017	26,557	95	82	2.033	789,891	2.121,218	2,685	2,225
46	33	94.935	60.067,802	1.583.861,787	26,368	25,908	96	83	1.360	523,383	1.331,326	2,544	2,084
47	34	94.575	59.247,521	1.523.793,984	25,719	25,259	97	84	880	335,038	807,943	2,411	1,952
48	35	94.176	58.413,652	1.464.546,463	25,072	24,612	98	85	548	206,564	472,904	2,289	1,829
49	36	93.744	57.569,700	1.406.132,811	24,425	23,965	99	86	329	122,801	266,341	2,169	1,709
							100	87	189	69,722	143,540	2,059	1,599

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 14 Jahre

Zinsfuß 1,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	36	93.323	56.743,869	1.353.948,005	23,861	23,401
1							51	37	92.808	55.872,036	1.297.204,137	23,217	22,757
2							52	38	92.270	54.998,505	1.241.332,100	22,570	22,110
3							53	39	91.665	54.096,733	1.186.333,595	21,930	21,470
4							54	40	91.016	53.181,865	1.132.236,862	21,290	20,830
5							55	41	90.319	52.252,281	1.079.054,997	20,651	20,191
6							56	42	89.555	51.296,918	1.026.802,716	20,017	19,557
7							57	43	88.753	50.334,608	975.505,797	19,380	18,920
8							58	44	87.871	49.340,894	925.171,189	18,751	18,291
9							59	45	86.913	48.319,450	875.830,295	18,126	17,666
10							60	46	85.863	47.263,096	827.510,845	17,509	17,049
11							61	47	84.744	46.185,212	780.247,749	16,894	16,434
12							62	48	83.563	45.090,828	734.062,537	16,280	15,820
13							63	49	82.263	43.949,665	688.971,709	15,676	15,216
14	0	99.344	86.425,488	3.930.629,422	45,480	45,020	64	50	80.879	42.782,481	645.022,044	15,077	14,617
15	1	98.948	85.229,160	3.844.203,934	45,104	44,644	65	51	79.401	41.585,058	602.239,563	14,482	14,022
16	2	98.890	84.335,187	3.758.974,775	44,572	44,112	66	52	77.794	40.339,906	560.654,504	13,898	13,438
17	3	98.832	83.451,700	3.674.639,588	44,033	43,573	67	53	76.075	39.057,878	520.314,598	13,322	12,862
18	4	98.765	82.569,391	3.591.187,888	43,493	43,033	68	54	74.210	37.723,278	481.256,781	12,758	12,298
19	5	98.678	81.679,313	3.508.618,497	42,956	42,496	69	55	72.204	36.339,997	443.533,503	12,205	11,745
20	6	98.585	80.794,910	3.426.939,184	42,415	41,955	70	56	70.078	34.920,895	407.193,506	11,660	11,200
21	7	98.501	79.926,777	3.346.144,274	41,865	41,405	71	57	67.806	33.454,274	372.272,611	11,128	10,668
22	8	98.415	79.066,487	3.266.217,497	41,310	40,850	72	58	65.378	31.936,801	338.818,336	10,609	10,149
23	9	98.332	78.217,119	3.187.151,009	40,747	40,288	73	59	62.772	30.360,477	306.881,535	10,108	9,648
24	10	98.252	77.380,291	3.108.933,890	40,177	39,717	74	60	60.031	28.747,131	276.521,058	9,619	9,159
25	11	98.173	76.552,121	3.031.553,600	39,601	39,141	75	61	57.166	27.104,093	247.773,927	9,142	8,682
26	12	98.092	75.731,636	2.955.001,478	39,019	38,559	76	62	54.216	25.450,943	220.669,834	8,670	8,210
27	13	98.013	74.921,830	2.879.269,842	38,430	37,970	77	63	51.187	23.791,216	195.218,890	8,206	7,746
28	14	97.934	74.119,798	2.804.348,012	37,835	37,375	78	64	48.056	22.114,861	171.427,674	7,752	7,292
29	15	97.850	73.323,452	2.730.228,215	37,235	36,775	79	65	44.809	20.416,356	149.312,813	7,313	6,853
30	16	97.764	72.533,454	2.656.904,763	36,630	36,170	80	66	41.484	18.713,982	128.896,457	6,888	6,428
31	17	97.672	71.747,638	2.584.371,308	36,020	35,560	81	67	38.053	16.996,331	110.182,476	6,483	6,023
32	18	97.573	70.965,552	2.512.623,670	35,406	34,946	82	68	34.573	15.289,377	93.186,145	6,095	5,635
33	19	97.465	70.185,169	2.441.658,118	34,789	34,329	83	69	30.970	13.560,199	77.896,768	5,745	5,285
34	20	97.353	69.410,063	2.371.472,949	34,166	33,706	84	70	27.459	11.904,064	64.336,568	5,405	4,945
35	21	97.229	68.635,512	2.302.062,886	33,540	33,080	85	71	24.084	10.337,546	52.432,504	5,072	4,612
36	22	97.104	67.868,228	2.233.427,374	32,908	32,448	86	72	20.940	8.899,154	42.094,958	4,730	4,270
37	23	96.968	67.102,239	2.165.559,146	32,273	31,813	87	73	17.839	7.506,073	33.195,804	4,423	3,963
38	24	96.825	66.340,281	2.098.456,907	31,632	31,172	88	74	14.851	6.187,039	25.689,731	4,152	3,692
39	25	96.666	65.575,117	2.032.116,626	30,989	30,529	89	75	12.111	4.995,600	19.502,692	3,904	3,444
40	26	96.493	64.809,838	1.966.541,509	30,343	29,883	90	76	9.676	3.951,656	14.507,091	3,671	3,211
41	27	96.300	64.039,714	1.901.731,671	29,696	29,236	91	77	7.573	3.062,164	10.555,436	3,447	2,987
42	28	96.089	63.266,763	1.837.691,957	29,047	28,587	92	78	5.768	2.309,313	7.493,272	3,245	2,785
43	29	95.849	62.483,651	1.774.425,194	28,398	27,938	93	79	4.277	1.695,501	5.183,959	3,057	2,597
44	30	95.583	61.693,789	1.711.941,543	27,749	27,289	94	80	3.083	1.209,833	3.488,458	2,883	2,423
45	31	95.296	60.899,138	1.650.247,754	27,098	26,638	95	81	2.153	836,522	2.278,625	2,724	2,264
46	32	94.968	60.089,169	1.589.348,617	26,450	25,990	96	82	1.454	559,543	1.442,103	2,577	2,117
47	33	94.612	59.271,204	1.529.259,448	25,801	25,341	97	83	947	360,900	882,559	2,445	1,985
48	34	94.220	58.441,050	1.469.988,243	25,153	24,693	98	84	596	224,614	521,660	2,322	1,862
49	35	93.792	57.599,188	1.411.547,193	24,506	24,046	99	85	360	134,477	297,046	2,209	1,749
							100	86	210	77,539	162,569	2,097	1,637

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 15 Jahre

Zinsfuß 1,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	35	93.371	56.772,934	1.358.880,165	23,935	23,475
1							51	36	92.860	55.903,648	1.302.107,231	23,292	22,832
2							52	37	92.327	55.032,252	1.246.203,583	22,645	22,185
3							53	38	91.729	54.134,601	1.191.171,331	22,004	21,544
4							54	39	91.089	53.224,458	1.137.036,730	21,363	20,903
5							55	40	90.398	52.297,779	1.083.812,272	20,724	20,264
6							56	41	89.643	51.347,675	1.031.514,493	20,089	19,629
7							57	42	88.853	50.391,282	980.166,818	19,451	18,991
8							58	43	87.985	49.405,023	929.775,536	18,819	18,359
9							59	44	87.034	48.386,805	880.370,513	18,194	17,734
10							60	45	85.999	47.338,175	831.983,707	17,575	17,115
11							61	46	84.896	46.268,309	784.645,533	16,959	16,499
12							62	47	83.726	45.178,684	738.377,224	16,343	15,884
13							63	48	82.437	44.043,034	693.198,540	15,739	15,279
14							64	49	81.074	42.885,695	649.155,506	15,137	14,677
15	0	99.326	85.554,003	3.849.981,972	45,001	44,541	65	50	79.602	41.690,394	606.269,811	14,542	14,082
16	1	98.925	84.365,401	3.764.427,969	44,621	44,161	66	51	78.011	40.452,252	564.579,417	13,957	13,497
17	2	98.852	83.468,203	3.680.062,568	44,089	43,629	67	52	76.305	39.176,255	524.127,165	13,379	12,919
18	3	98.782	82.583,566	3.596.594,365	43,551	43,091	68	53	74.445	37.842,768	484.950,909	12,815	12,355
19	4	98.690	81.689,863	3.514.010,799	43,016	42,557	69	54	72.456	36.466,837	447.108,141	12,261	11,801
20	5	98.598	80.805,473	3.432.320,935	42,476	42,016	70	55	70.344	35.053,638	410.641,304	11,715	11,255
21	6	98.510	79.934,143	3.351.515,463	41,928	41,468	71	56	68.079	33.589,125	375.587,665	11,182	10,722
22	7	98.424	79.073,374	3.271.581,320	41,374	40,914	72	57	65.671	32.079,977	341.998,540	10,661	10,201
23	8	98.341	78.224,628	3.192.507,946	40,812	40,352	73	58	63.076	30.507,389	309.918,563	10,159	9,699
24	9	98.259	77.385,291	3.114.283,318	40,244	39,784	74	59	60.338	28.894,022	279.411,174	9,670	9,210
25	10	98.181	76.558,559	3.036.898,027	39,668	39,208	75	60	57.482	27.254,107	250.517,152	9,192	8,732
26	11	98.101	75.738,739	2.960.339,467	39,086	38,626	76	61	54.523	25.594,975	223.263,045	8,723	8,263
27	12	98.022	74.928,193	2.884.600,729	38,498	38,038	77	62	51.511	23.941,880	197.668,070	8,256	7,796
28	13	97.943	74.126,980	2.809.672,535	37,904	37,444	78	63	48.386	22.266,313	173.726,190	7,802	7,342
29	14	97.862	73.331,997	2.735.545,555	37,304	36,844	79	64	45.139	20.566,757	151.459,877	7,364	6,904
30	15	97.782	72.546,416	2.662.213,558	36,697	36,237	80	65	41.825	18.868,084	130.893,120	6,937	6,477
31	16	97.693	71.762,836	2.589.667,142	36,086	35,626	81	66	38.401	17.151,667	112.025,036	6,531	6,071
32	17	97.595	70.981,169	2.517.904,306	35,473	35,013	82	67	34.928	15.446,389	94.873,369	6,142	5,682
33	18	97.493	70.205,360	2.446.923,137	34,854	34,394	83	68	31.328	13.717,089	79.426,980	5,790	5,330
34	19	97.380	69.429,309	2.376.717,777	34,232	33,772	84	69	27.814	12.057,901	65.709,890	5,450	4,990
35	20	97.260	68.657,198	2.307.288,468	33,606	33,146	85	70	24.432	10.486,598	53.651,989	5,116	4,656
36	21	97.128	67.884,837	2.238.631,270	32,977	32,517	86	71	21.286	9.045,807	43.165,392	4,772	4,312
37	22	96.994	67.120,411	2.170.746,433	32,341	31,881	87	72	18.167	7.643,886	34.119,585	4,464	4,004
38	23	96.851	66.357,594	2.103.626,022	31,701	31,241	88	73	15.160	6.315,705	26.475,699	4,192	3,732
39	24	96.692	65.592,937	2.037.268,428	31,059	30,599	89	74	12.393	5.111,957	20.159,994	3,944	3,484
40	25	96.517	64.825,790	1.971.675,491	30,415	29,955	90	75	9.934	4.056,839	15.048,037	3,709	3,249
41	26	96.327	64.057,647	1.906.849,701	29,768	29,308	91	76	7.799	3.153,451	10.991,197	3,485	3,025
42	27	96.117	63.285,206	1.842.792,054	29,119	28,659	92	77	5.962	2.386,967	7.837,746	3,284	2,824
43	28	95.877	62.502,203	1.779.506,848	28,471	28,011	93	78	4.442	1.760,759	5.450,780	3,096	2,636
44	29	95.611	61.711,853	1.717.004,644	27,823	27,363	94	79	3.218	1.262,961	3.690,021	2,922	2,462
45	30	95.327	60.919,083	1.655.292,792	27,172	26,712	95	80	2.263	879,360	2.427,060	2,760	2,300
46	31	95.002	60.110,641	1.594.373,708	26,524	26,064	96	81	1.540	592,576	1.547,700	2,612	2,152
47	32	94.646	59.292,287	1.534.263,067	25,876	25,416	97	82	1.013	385,834	955,125	2,475	2,016
48	33	94.258	58.464,411	1.474.970,780	25,229	24,769	98	83	642	241,952	569,291	2,353	1,893
49	34	93.836	57.626,204	1.416.506,369	24,581	24,121	99	84	392	146,228	327,339	2,239	1,779
							100	85	230	84,911	181,111	2,133	1,673

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 16 Jahre

Zinsfuß 1,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	34	93.414	56.799,563	1.363.397,700	24,004	23,544
1							51	35	92.908	55.932,283	1.306.598,137	23,360	22,900
2							52	36	92.379	55.063,388	1.250.665,854	22,713	22,253
3							53	37	91.786	54.167,818	1.195.602,466	22,072	21,612
4							54	38	91.153	53.261,715	1.141.434,648	21,431	20,971
5							55	39	90.470	52.339,665	1.088.172,933	20,791	20,331
6							56	40	89.721	51.392,385	1.035.833,269	20,155	19,695
7							57	41	88.941	50.441,142	984.440,883	19,517	19,057
8							58	42	88.085	49.460,650	933.999,741	18,884	18,424
9							59	43	87.147	48.449,694	884.539,091	18,257	17,797
10							60	44	86.119	47.404,162	836.089,397	17,637	17,177
11							61	45	85.031	46.341,807	788.685,235	17,019	16,559
12							62	46	83.876	45.259,970	742.343,428	16,402	15,942
13							63	47	82.598	44.128,849	697.083,458	15,797	15,337
14							64	48	81.246	42.976,803	652.954,609	15,193	14,733
15							65	49	79.794	41.790,974	609.977,806	14,596	14,136
16	0	99.302	84.686,952	3.769.755,408	44,514	44,054	66	50	78.208	40.554,719	568.186,832	14,010	13,550
17	1	98.887	83.498,107	3.685.068,455	44,134	43,674	67	51	76.518	39.285,360	527.632,114	13,431	12,971
18	2	98.802	82.599,897	3.601.570,348	43,603	43,143	68	52	74.671	37.957,521	488.346,753	12,866	12,406
19	3	98.707	81.703,888	3.518.970,451	43,070	42,610	69	53	72.685	36.582,348	450.389,232	12,312	11,852
20	4	98.611	80.815,911	3.437.266,563	42,532	42,072	70	54	70.590	35.175,989	413.806,884	11,764	11,304
21	5	98.523	79.944,594	3.356.450,653	41,985	41,525	71	55	68.338	33.716,806	378.630,895	11,230	10,770
22	6	98.433	79.080,661	3.276.506,059	41,432	40,972	72	56	65.936	32.209,288	344.914,089	10,709	10,249
23	7	98.350	78.231,441	3.197.425,398	40,871	40,411	73	57	63.359	30.644,157	312.704,801	10,204	9,744
24	8	98.268	77.392,720	3.119.193,957	40,303	39,843	74	58	60.630	29.033,839	282.060,644	9,715	9,255
25	9	98.187	76.563,507	3.041.801,237	39,729	39,269	75	59	57.776	27.393,369	253.026,806	9,237	8,777
26	10	98.109	75.745,108	2.965.237,731	39,148	38,688	76	60	54.825	25.736,636	225.633,437	8,767	8,307
27	11	98.031	74.935,221	2.889.492,622	38,560	38,100	77	61	51.803	24.077,372	199.896,801	8,302	7,842
28	12	97.952	74.133,276	2.814.557,402	37,966	37,506	78	62	48.692	22.407,320	175.819,429	7,847	7,387
29	13	97.871	73.339,103	2.740.424,125	37,366	36,906	79	63	45.448	20.707,607	153.412,109	7,408	6,949
30	14	97.793	72.554,871	2.667.085,023	36,760	36,300	80	64	42.133	19.007,080	132.704,503	6,982	6,522
31	15	97.710	71.775,660	2.594.530,152	36,148	35,688	81	65	38.717	17.292,904	113.697,423	6,575	6,115
32	16	97.616	70.996,204	2.522.754,492	35,534	35,074	82	66	35.248	15.587,559	96.404,519	6,185	5,725
33	17	97.515	70.220,809	2.451.758,287	34,915	34,455	83	67	31.650	13.857,955	80.816,959	5,832	5,372
34	18	97.408	69.449,282	2.381.537,478	34,292	33,832	84	68	28.136	12.197,410	66.959,004	5,490	5,030
35	19	97.287	68.676,236	2.312.088,196	33,666	33,207	85	69	24.747	10.622,117	54.761,594	5,155	4,695
36	20	97.158	67.906,286	2.243.411,960	33,037	32,577	86	70	21.592	9.176,234	44.139,478	4,810	4,350
37	21	97.018	67.136,838	2.175.505,674	32,404	31,944	87	71	18.466	7.769,853	34.963,244	4,500	4,040
38	22	96.877	66.375,565	2.108.368,837	31,764	31,304	88	72	15.438	6.431,662	27.193,391	4,228	3,768
39	23	96.717	65.610,055	2.041.993,272	31,123	30,663	89	73	12.651	5.218,266	20.761,729	3,979	3,519
40	24	96.543	64.843,406	1.976.383,217	30,479	30,019	90	74	10.165	4.151,331	15.543,463	3,744	3,284
41	25	96.351	64.073,413	1.911.539,811	29,834	29,374	91	75	8.006	3.237,388	11.392,132	3,519	3,059
42	26	96.144	63.302,928	1.847.466,397	29,185	28,725	92	76	6.140	2.458,125	8.154,744	3,317	2,857
43	27	95.905	62.520,424	1.784.163,469	28,537	28,077	93	77	4.591	1.819,967	5.696,619	3,130	2,670
44	28	95.640	61.730,175	1.721.643,045	27,890	27,430	94	78	3.342	1.311,570	3.876,652	2,956	2,496
45	29	95.355	60.936,920	1.659.912,870	27,240	26,780	95	79	2.362	917,976	2.565,082	2,794	2,334
46	30	95.034	60.130,328	1.598.975,950	26,592	26,132	96	80	1.619	622,921	1.647,106	2,644	2,184
47	31	94.680	59.313,475	1.538.845,621	25,944	25,484	97	81	1.073	408,612	1.024,185	2,507	2,047
48	32	94.291	58.485,207	1.479.532,146	25,298	24,838	98	82	686	258,668	615,573	2,380	1,920
49	33	93.873	57.649,239	1.421.046,939	24,650	24,190	99	83	422	157,515	356,905	2,266	1,806
							100	84	250	92,331	199,390	2,160	1,700

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 17 Jahre

Zinsfuß 1,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	33	93.452	56.822,268	1.367.534,146	24,067	23,607
1							51	34	92.951	55.958,517	1.310.711,879	23,423	22,963
2							52	35	92.427	55.091,593	1.254.753,362	22,776	22,316
3							53	36	91.837	54.198,465	1.199.661,769	22,135	21,675
4							54	37	91.209	53.294,396	1.145.463,304	21,493	21,033
5							55	38	90.534	52.376,303	1.092.168,908	20,852	20,392
6							56	39	89.793	51.433,546	1.039.792,605	20,216	19,756
7							57	40	89.019	50.485,064	988.359,060	19,577	19,117
8							58	41	88.172	49.509,589	937.873,996	18,943	18,483
9							59	42	87.245	48.504,245	888.364,407	18,315	17,855
10							60	43	86.231	47.465,773	839.860,161	17,694	17,234
11							61	44	85.149	46.406,405	792.394,388	17,075	16,615
12							62	45	84.010	45.331,867	745.987,983	16,456	15,996
13							63	46	82.747	44.208,246	700.656,116	15,849	15,389
14							64	47	81.404	43.060,541	656.447,870	15,245	14,785
15							65	48	79.964	41.879,756	613.387,329	14,646	14,186
16							66	49	78.397	40.652,558	571.507,573	14,058	13,598
17	0	99.264	83.816,352	3.689.983,115	44,025	43,565	67	50	76.712	39.384,871	530.855,015	13,479	13,019
18	1	98.837	82.629,490	3.606.166,763	43,643	43,183	68	51	74.879	38.063,232	491.470,144	12,912	12,452
19	2	98.727	81.720,045	3.523.537,272	43,117	42,657	69	52	72.906	36.693,279	453.406,912	12,357	11,897
20	3	98.628	80.829,785	3.441.817,227	42,581	42,121	70	53	70.813	35.287,410	416.713,633	11,809	11,349
21	4	98.536	79.954,920	3.360.987,443	42,036	41,576	71	54	68.577	33.834,490	381.426,222	11,273	10,813
22	5	98.446	79.091,000	3.281.032,522	41,484	41,024	72	55	66.186	32.331,724	347.591,732	10,751	10,291
23	6	98.359	78.238,651	3.201.941,523	40,925	40,465	73	56	63.614	30.767,680	315.260,008	10,246	9,786
24	7	98.277	77.399,461	3.123.702,872	40,358	39,898	74	57	60.902	29.164,000	284.492,328	9,755	9,295
25	8	98.197	76.570,857	3.046.303,411	39,784	39,324	75	58	58.056	27.525,924	255.328,328	9,276	8,816
26	9	98.116	75.750,003	2.969.732,555	39,204	38,744	76	59	55.105	25.868,144	227.802,404	8,806	8,346
27	10	98.039	74.941,523	2.893.982,552	38,617	38,157	77	60	52.090	24.210,633	201.934,260	8,341	7,881
28	11	97.961	74.140,229	2.819.041,029	38,023	37,563	78	61	48.967	22.534,127	177.723,627	7,887	7,427
29	12	97.880	73.345,332	2.744.900,800	37,424	36,964	79	62	45.736	20.838,743	155.189,500	7,447	6,987
30	13	97.802	72.561,901	2.671.555,468	36,818	36,358	80	63	42.422	19.137,248	134.350,757	7,020	6,560
31	14	97.722	71.784,025	2.598.993,567	36,206	35,746	81	64	39.002	17.420,296	115.213,509	6,614	6,154
32	15	97.633	71.008,892	2.527.209,542	35,590	35,130	82	65	35.538	15.715,917	97.793,213	6,223	5,763
33	16	97.536	70.235,684	2.456.200,651	34,971	34,511	83	66	31.939	13.984,608	82.077,296	5,869	5,409
34	17	97.429	69.464,566	2.385.964,967	34,348	33,888	84	67	28.425	12.322,670	68.092,688	5,526	5,066
35	18	97.315	68.695,992	2.316.500,401	33,721	33,261	85	68	25.034	10.745,013	55.770,018	5,190	4,730
36	19	97.185	67.925,115	2.247.804,409	33,092	32,632	86	69	21.872	9.294,819	45.025,005	4,844	4,384
37	20	97.049	67.158,050	2.179.879,294	32,459	31,999	87	70	18.732	7.881,882	35.730,186	4,533	4,073
38	21	96.901	66.391,809	2.112.721,244	31,822	31,362	88	71	15.693	6.537,652	27.848,304	4,260	3,800
39	22	96.743	65.627,823	2.046.329,436	31,181	30,721	89	72	12.883	5.314,074	21.310,652	4,010	3,550
40	23	96.568	64.860,329	1.980.701,612	30,538	30,078	90	73	10.376	4.237,662	15.996,578	3,775	3,315
41	24	96.377	64.090,825	1.915.841,284	29,893	29,433	91	74	8.193	3.312,793	11.758,916	3,550	3,090
42	25	96.168	63.318,509	1.851.750,458	29,245	28,785	92	75	6.303	2.523,555	8.446,123	3,347	2,887
43	26	95.932	62.537,932	1.788.431,949	28,598	28,138	93	76	4.728	1.874,223	5.922,568	3,160	2,700
44	27	95.668	61.748,171	1.725.894,017	27,951	27,491	94	77	3.454	1.355,674	4.048,345	2,986	2,526
45	28	95.383	60.955,013	1.664.145,846	27,301	26,841	95	78	2.453	953,307	2.692,672	2,825	2,365
46	29	95.061	60.147,934	1.603.190,834	26,654	26,194	96	79	1.690	650,276	1.739,365	2,675	2,215
47	30	94.711	59.332,901	1.543.042,899	26,007	25,547	97	80	1.128	429,536	1.089,089	2,535	2,076
48	31	94.325	58.506,106	1.483.709,998	25,360	24,900	98	81	726	273,938	659,553	2,408	1,948
49	32	93.906	57.669,745	1.425.203,892	24,713	24,253	99	82	451	168,398	385,614	2,290	1,830
							100	83	269	99,458	217,217	2,184	1,724

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 18 Jahre

Zinsfuß 1,00%

Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	32	93.485	56.842,479	1.371.321,488	24,125	23,665
1							51	33	92.989	55.980,886	1.314.479,008	23,481	23,021
2							52	34	92.470	55.117,433	1.258.498,123	22,833	22,373
3							53	35	91.884	54.226,226	1.203.380,690	22,192	21,732
4							54	36	91.260	53.324,549	1.149.154,464	21,550	21,090
5							55	37	90.589	52.408,440	1.095.829,914	20,909	20,449
6							56	38	89.856	51.469,549	1.043.421,474	20,273	19,813
7							57	39	89.090	50.525,497	991.951,925	19,633	19,173
8							58	40	88.248	49.552,699	941.426,428	18,998	18,539
9							59	41	87.331	48.552,239	891.873,728	18,369	17,909
10							60	42	86.328	47.519,217	843.321,490	17,747	17,287
11							61	43	85.260	46.466,720	795.802,273	17,126	16,666
12							62	44	84.127	45.395,057	749.335,553	16,507	16,047
13							63	45	82.878	44.278,472	703.940,496	15,898	15,438
14							64	46	81.551	43.138,016	659.662,024	15,292	14,832
15							65	47	80.120	41.961,356	616.524,008	14,693	14,233
16							66	48	78.563	40.738,922	574.562,652	14,104	13,644
17							67	49	76.897	39.479,888	533.823,730	13,521	13,061
18	0	99.214	82.944,425	3.610.703,433	43,532	43,072	68	50	75.069	38.159,648	494.343,842	12,955	12,495
19	1	98.762	81.749,322	3.527.759,007	43,153	42,693	69	51	73.109	36.795,469	456.184,194	12,398	11,938
20	2	98.647	80.845,769	3.446.009,685	42,624	42,165	70	52	71.028	35.394,415	419.388,725	11,849	11,389
21	3	98.553	79.968,646	3.365.163,916	42,081	41,621	71	53	68.794	33.941,663	383.994,310	11,313	10,853
22	4	98.459	79.101,216	3.285.195,269	41,532	41,072	72	54	66.417	32.444,574	350.052,647	10,789	10,329
23	5	98.372	78.248,879	3.206.094,053	40,973	40,513	73	55	63.856	30.884,636	317.608,074	10,284	9,824
24	6	98.286	77.406,593	3.127.845,174	40,408	39,948	74	56	61.147	29.281,557	286.723,438	9,792	9,332
25	7	98.205	76.577,526	3.050.438,580	39,835	39,375	75	57	58.316	27.649,325	257.441,880	9,311	8,851
26	8	98.125	75.757,275	2.973.861,055	39,255	38,795	76	58	55.371	25.993,318	229.792,555	8,840	8,380
27	9	98.046	74.946,365	2.898.103,779	38,669	38,209	77	59	52.356	24.334,344	203.799,237	8,375	7,915
28	10	97.969	74.146,464	2.823.157,414	38,075	37,615	78	60	49.239	22.658,847	179.464,893	7,920	7,460
29	11	97.889	73.352,211	2.749.010,950	37,477	37,017	79	61	45.995	20.956,673	156.806,046	7,482	7,022
30	12	97.811	72.568,064	2.675.658,739	36,871	36,411	80	62	42.690	19.258,439	135.849,373	7,054	6,594
31	13	97.731	71.790,981	2.603.090,675	36,259	35,799	81	63	39.269	17.539,597	116.590,934	6,647	6,187
32	14	97.644	71.017,167	2.531.299,694	35,643	35,184	82	64	35.800	15.831,691	99.051,336	6,257	5,797
33	15	97.553	70.248,235	2.460.282,527	35,023	34,563	83	65	32.202	14.099,766	83.219,645	5,902	5,442
34	16	97.450	69.479,280	2.390.034,292	34,399	33,939	84	66	28.685	12.435,291	69.119,879	5,558	5,098
35	17	97.336	68.711,110	2.320.555,013	33,773	33,313	85	67	25.291	10.855,358	56.684,588	5,222	4,762
36	18	97.213	67.944,655	2.251.843,903	33,142	32,682	86	68	22.125	9.402,359	45.829,230	4,874	4,414
37	19	97.075	67.176,672	2.183.899,248	32,510	32,050	87	69	18.974	7.983,740	36.426,871	4,563	4,103
38	20	96.931	66.412,786	2.116.722,576	31,872	31,412	88	70	15.919	6.631,915	28.443,130	4,289	3,829
39	21	96.767	65.643,884	2.050.309,790	31,234	30,774	89	71	13.096	5.401,647	21.811,215	4,038	3,578
40	22	96.594	64.877,894	1.984.665,906	30,591	30,131	90	72	10.567	4.315,466	16.409,569	3,803	3,343
41	23	96.402	64.107,551	1.919.788,012	29,946	29,486	91	73	8.363	3.381,686	12.094,103	3,576	3,116
42	24	96.194	63.335,716	1.855.680,461	29,299	28,839	92	74	6.450	2.582,333	8.712,417	3,374	2,914
43	25	95.955	62.553,324	1.792.344,745	28,653	28,193	93	75	4.854	1.924,110	6.130,083	3,186	2,726
44	26	95.694	61.765,463	1.729.791,421	28,006	27,546	94	76	3.557	1.396,088	4.205,973	3,013	2,553
45	27	95.411	60.972,782	1.668.025,958	27,357	26,897	95	77	2.536	985,364	2.809,885	2,852	2,392
46	28	95.090	60.165,793	1.607.053,176	26,710	26,250	96	78	1.755	675,304	1.824,522	2,702	2,242
47	29	94.739	59.350,274	1.546.887,383	26,064	25,604	97	79	1.177	448,399	1.149,218	2,563	2,103
48	30	94.356	58.525,268	1.487.537,109	25,417	24,957	98	80	764	287,967	700,819	2,434	1,974
49	31	93.940	57.690,353	1.429.011,841	24,770	24,310	99	81	478	178,339	412,853	2,315	1,855
							100	82	288	106,330	234,514	2,206	1,746

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 19 Jahre

Zinsfuß 1,00%

Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	31	93.518	56.862,791	1.374.791,401	24,177	23,717
1							51	32	93.022	56.000,798	1.317.928,609	23,534	23,074
2							52	33	92.507	55.139,465	1.261.927,811	22,886	22,426
3							53	34	91.928	54.251,660	1.206.788,346	22,244	21,784
4							54	35	91.307	53.351,863	1.152.536,685	21,603	21,143
5							55	36	90.641	52.438,092	1.099.184,822	20,962	20,502
6							56	37	89.911	51.501,131	1.046.746,730	20,325	19,865
7							57	38	89.152	50.560,865	995.245,600	19,684	19,224
8							58	39	88.319	49.592,386	944.684,735	19,049	18,589
9							59	40	87.407	48.594,515	895.092,348	18,420	17,960
10							60	41	86.413	47.566,235	846.497,833	17,796	17,336
11							61	42	85.356	46.519,039	798.931,598	17,174	16,714
12							62	43	84.236	45.454,058	752.412,559	16,553	16,093
13							63	44	82.994	44.340,194	706.958,502	15,944	15,484
14							64	45	81.680	43.206,542	662.618,308	15,336	14,876
15							65	46	80.264	42.036,853	619.411,766	14,735	14,275
16							66	47	78.716	40.818,299	577.374,913	14,145	13,685
17							67	48	77.060	39.563,761	536.556,614	13,562	13,102
18							68	49	75.250	38.251,709	496.992,853	12,993	12,533
19	0	99.139	82.060,903	3.531.949,508	43,041	42,581	69	50	73.294	36.888,673	458.741,144	12,436	11,976
20	1	98.683	80.874,734	3.449.888,605	42,657	42,197	70	51	71.226	35.492,988	421.852,471	11,886	11,426
21	2	98.572	79.984,460	3.369.013,871	42,121	41,661	71	52	69.003	34.044,586	386.359,483	11,349	10,889
22	3	98.475	79.114,796	3.289.029,411	41,573	41,113	72	53	66.628	32.547,343	352.314,897	10,825	10,365
23	4	98.384	78.258,987	3.209.914,615	41,017	40,557	73	54	64.079	30.992,435	319.767,554	10,318	9,858
24	5	98.299	77.416,713	3.131.655,628	40,452	39,992	74	55	61.380	29.392,864	288.775,118	9,825	9,365
25	6	98.215	76.584,583	3.054.238,914	39,881	39,421	75	56	58.551	27.760,777	259.382,254	9,343	8,883
26	7	98.134	75.763,873	2.977.654,332	39,302	38,842	76	57	55.620	26.109,849	231.621,478	8,871	8,411
27	8	98.055	74.953,560	2.901.890,458	38,716	38,256	77	58	52.609	24.452,096	205.511,629	8,405	7,945
28	9	97.975	74.151,255	2.826.936,898	38,124	37,664	78	59	49.490	22.774,629	181.059,533	7,950	7,490
29	10	97.897	73.358,380	2.752.785,642	37,525	37,065	79	60	46.250	21.072,662	158.284,904	7,511	7,051
30	11	97.820	72.574,870	2.679.427,263	36,919	36,460	80	61	42.932	19.367,427	137.212,242	7,085	6,625
31	12	97.739	71.797,078	2.606.852,392	36,309	35,849	81	62	39.518	17.650,671	117.844,815	6,677	6,217
32	13	97.654	71.024,048	2.535.055,314	35,693	35,233	82	63	36.045	15.940,113	100.194,144	6,286	5,826
33	14	97.564	70.256,421	2.464.031,266	35,072	34,612	83	64	32.439	14.203,635	84.254,031	5,932	5,472
34	15	97.467	69.491,696	2.393.774,844	34,447	33,987	84	65	28.921	12.537,691	70.050,396	5,587	5,127
35	16	97.357	68.725,664	2.324.283,149	33,820	33,360	85	66	25.522	10.954,569	57.512,705	5,250	4,790
36	17	97.234	67.959,608	2.255.557,485	33,190	32,730	86	67	22.352	9.498,915	46.558,136	4,901	4,441
37	18	97.103	67.195,997	2.187.597,877	32,555	32,095	87	68	19.194	8.076,111	37.059,221	4,589	4,129
38	19	96.958	66.431,201	2.120.401,880	31,919	31,459	88	69	16.125	6.717,620	28.983,109	4,314	3,855
39	20	96.798	65.664,625	2.053.970,679	31,280	30,820	89	70	13.285	5.479,530	22.265,490	4,063	3,603
40	21	96.618	64.893,771	1.988.306,054	30,639	30,179	90	71	10.741	4.386,583	16.785,959	3,827	3,367
41	22	96.428	64.124,913	1.923.412,283	29,995	29,535	91	72	8.517	3.443,774	12.399,377	3,601	3,141
42	23	96.219	63.352,245	1.859.287,370	29,348	28,888	92	73	6.584	2.636,035	8.955,603	3,397	2,937
43	24	95.981	62.570,323	1.795.935,125	28,703	28,243	93	74	4.967	1.968,926	6.319,567	3,210	2,750
44	25	95.718	61.780,665	1.733.364,802	28,057	27,597	94	75	3.652	1.433,249	4.350,641	3,036	2,576
45	26	95.438	60.989,857	1.671.584,137	27,408	26,948	95	76	2.611	1.014,739	2.917,392	2,875	2,415
46	27	95.117	60.183,332	1.610.594,280	26,761	26,301	96	77	1.814	698,012	1.902,654	2,726	2,266
47	28	94.767	59.367,895	1.550.410,948	26,115	25,655	97	78	1.222	465,657	1.204,642	2,587	2,127
48	29	94.384	58.542,404	1.491.043,053	25,469	25,009	98	79	797	300,612	738,985	2,458	1,998
49	30	93.971	57.709,248	1.432.500,649	24,823	24,363	99	80	502	187,471	438,373	2,338	1,878
							100	81	305	112,607	250,902	2,228	1,768

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 20 Jahre

Zinsfuß 1,00%

Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	30	93.549	56.881,415	1.377.971,001	24,225	23,765
1							51	31	93.055	56.020,809	1.321.089,586	23,582	23,122
2							52	32	92.540	55.159,079	1.265.068,776	22,935	22,475
3							53	33	91.964	54.273,347	1.209.909,698	22,293	21,833
4							54	34	91.350	53.376,887	1.155.636,351	21,651	21,191
5							55	35	90.687	52.464,952	1.102.259,464	21,009	20,549
6							56	36	89.962	51.530,269	1.049.794,512	20,372	19,912
7							57	37	89.207	50.591,889	998.264,243	19,732	19,272
8							58	38	88.381	49.627,101	947.672,354	19,096	18,636
9							59	39	87.477	48.633,434	898.045,253	18,466	18,006
10							60	40	86.489	47.607,653	849.411,819	17,842	17,382
11							61	41	85.441	46.565,068	801.804,165	17,219	16,759
12							62	42	84.331	45.505,236	755.239,098	16,597	16,137
13							63	43	83.101	44.397,823	709.733,862	15,986	15,526
14							64	44	81.794	43.266,769	665.336,039	15,378	14,918
15							65	45	80.391	42.103,630	622.069,269	14,775	14,315
16							66	46	78.858	40.891,740	579.965,639	14,183	13,723
17							67	47	77.210	39.640,848	539.073,899	13,599	13,139
18							68	48	75.409	38.332,972	499.433,051	13,029	12,569
19							69	49	73.471	36.977,668	461.100,079	12,470	12,010
20	0	99.059	81.182,980	3.453.762,051	42,543	42,083	70	50	71.406	35.582,892	424.122,411	11,919	11,459
21	1	98.608	80.013,116	3.372.579,070	42,150	41,690	71	51	69.195	34.139,400	388.539,518	11,381	10,921
22	2	98.495	79.130,441	3.292.565,954	41,609	41,149	72	52	66.830	32.646,039	354.400,118	10,856	10,396
23	3	98.401	78.272,422	3.213.435,513	41,055	40,595	73	53	64.282	31.090,605	321.754,079	10,349	9,889
24	4	98.311	77.426,713	3.135.163,091	40,492	40,032	74	54	61.594	29.495,456	290.663,474	9,855	9,395
25	5	98.227	76.594,595	3.057.736,377	39,921	39,461	75	55	58.774	27.866,302	261.168,018	9,372	8,912
26	6	98.143	75.770,855	2.981.141,782	39,344	38,884	76	56	55.844	26.215,095	233.301,715	8,900	8,440
27	7	98.063	74.960,089	2.905.370,926	38,759	38,299	77	57	52.845	24.561,717	207.086,620	8,431	7,971
28	8	97.985	74.158,374	2.830.410,838	38,167	37,707	78	58	49.730	22.884,834	182.524,904	7,976	7,516
29	9	97.903	73.363,120	2.756.252,464	37,570	37,110	79	59	46.486	21.180,339	159.640,070	7,537	7,077
30	10	97.828	72.580,974	2.682.889,343	36,964	36,504	80	60	43.170	19.474,620	138.459,731	7,110	6,650
31	11	97.748	71.803,812	2.610.308,370	36,353	35,893	81	61	39.741	17.750,560	118.985,111	6,703	6,243
32	12	97.662	71.030,081	2.538.504,558	35,738	35,278	82	62	36.273	16.041,058	101.234,552	6,311	5,851
33	13	97.574	70.263,229	2.467.474,477	35,118	34,658	83	63	32.662	14.300,907	85.193,493	5,957	5,497
34	14	97.479	69.499,794	2.397.211,248	34,492	34,032	84	64	29.134	12.630,052	70.892,586	5,613	5,153
35	15	97.374	68.737,946	2.327.711,453	33,864	33,404	85	65	25.732	11.044,776	58.262,534	5,275	4,815
36	16	97.255	67.974,003	2.258.973,508	33,233	32,773	86	66	22.556	9.585,729	47.217,758	4,926	4,466
37	17	97.125	67.210,784	2.190.999,505	32,599	32,139	87	67	19.391	8.159,048	37.632,029	4,612	4,152
38	18	96.986	66.450,311	2.123.788,720	31,961	31,501	88	68	16.311	6.795,342	29.472,981	4,337	3,877
39	19	96.825	65.682,833	2.057.338,409	31,322	30,862	89	69	13.456	5.550,343	22.677,639	4,086	3,626
40	20	96.649	64.914,275	1.991.655,576	30,681	30,221	90	70	10.896	4.449,830	17.127,296	3,849	3,389
41	21	96.452	64.140,606	1.926.741,301	30,039	29,579	91	71	8.657	3.500,526	12.677,466	3,622	3,162
42	22	96.245	63.369,402	1.862.600,695	29,393	28,933	92	72	6.705	2.684,433	9.176,940	3,419	2,959
43	23	96.007	62.586,652	1.799.231,294	28,748	28,288	93	73	5.071	2.009,872	6.492,507	3,230	2,770
44	24	95.744	61.797,454	1.736.644,641	28,102	27,642	94	74	3.737	1.466,632	4.482,635	3,056	2,596
45	25	95.461	61.004,868	1.674.847,188	27,454	26,994	95	75	2.681	1.041,749	3.016,004	2,895	2,435
46	26	95.144	60.200,186	1.613.842,319	26,808	26,348	96	76	1.868	718,821	1.974,255	2,747	2,287
47	27	94.794	59.385,202	1.553.642,134	26,162	25,702	97	77	1.264	481,315	1.255,434	2,608	2,148
48	28	94.412	58.559,786	1.494.256,932	25,517	25,057	98	78	828	312,182	774,119	2,480	2,020
49	29	93.998	57.726,145	1.435.697,146	24,871	24,411	99	79	524	195,704	461,937	2,360	1,900
							100	80	320	118,373	266,233	2,249	1,789

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 21 Jahre

Zinsfuß 1,00%

Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	29	93.576	56.898,070	1.380.884,558	24,269	23,809
1							51	30	93.085	56.039,157	1.323.986,489	23,626	23,166
2							52	31	92.573	55.178,789	1.267.947,331	22,979	22,519
3							53	32	91.997	54.292,652	1.212.768,542	22,338	21,878
4							54	33	91.386	53.398,224	1.158.475,890	21,695	21,235
5							55	34	90.729	52.489,560	1.105.077,666	21,053	20,593
6							56	35	90.008	51.556,664	1.052.588,106	20,416	19,956
7							57	36	89.258	50.620,513	1.001.031,443	19,775	19,315
8							58	37	88.435	49.657,552	950.410,930	19,139	18,679
9							59	38	87.539	48.667,478	900.753,378	18,508	18,048
10							60	39	86.558	47.645,782	852.085,900	17,884	17,424
11							61	40	85.515	46.605,614	804.440,118	17,261	16,801
12							62	41	84.414	45.550,262	757.834,504	16,637	16,177
13							63	42	83.195	44.447,812	712.284,242	16,025	15,565
14							64	43	81.900	43.323,004	667.836,430	15,415	14,955
15							65	44	80.503	42.162,320	624.513,426	14,812	14,352
16							66	45	78.983	40.956,697	582.351,106	14,219	13,759
17							67	46	77.349	39.712,171	541.394,408	13,633	13,173
18							68	47	75.556	38.407,661	501.682,238	13,062	12,602
19							69	48	73.627	37.056,225	463.274,576	12,502	12,042
20							70	49	71.579	35.668,737	426.218,351	11,949	11,489
21	0	98.983	80.318,079	3.376.162,014	42,035	41,575	71	50	69.370	34.225,876	390.549,614	11,411	10,951
22	1	98.530	79.158,791	3.295.843,935	41,636	41,176	72	51	67.016	32.736,958	356.323,738	10,884	10,424
23	2	98.421	78.287,901	3.216.685,144	41,088	40,628	73	52	64.477	31.184,883	323.586,781	10,376	9,916
24	3	98.328	77.440,006	3.138.397,243	40,527	40,067	74	53	61.789	29.588,884	292.401,897	9,882	9,422
25	4	98.240	76.604,489	3.060.957,237	39,958	39,498	75	54	58.979	27.963,566	262.813,013	9,398	8,938
26	5	98.156	75.780,762	2.984.352,748	39,381	38,921	76	55	56.056	26.314,745	234.849,446	8,925	8,465
27	6	98.072	74.966,997	2.908.571,986	38,798	38,338	77	56	53.058	24.660,723	208.534,701	8,456	7,996
28	7	97.993	74.164,833	2.833.604,990	38,207	37,747	78	57	49.953	22.987,428	183.873,978	7,999	7,539
29	8	97.913	73.370,163	2.759.440,157	37,610	37,150	79	58	46.711	21.282,829	160.886,550	7,559	7,099
30	9	97.835	72.585,664	2.686.069,993	37,006	36,546	80	59	43.390	19.574,131	139.603,721	7,132	6,672
31	10	97.757	71.809,851	2.613.484,329	36,395	35,935	81	60	39.961	17.848,804	120.029,591	6,725	6,265
32	11	97.671	71.036,743	2.541.674,479	35,780	35,320	82	61	36.478	16.131,838	102.180,786	6,334	5,874
33	12	97.582	70.269,197	2.470.637,736	35,160	34,700	83	62	32.868	14.391,471	86.048,949	5,979	5,519
34	13	97.488	69.506,529	2.400.368,539	34,534	34,074	84	63	29.334	12.716,548	71.657,477	5,635	5,175
35	14	97.386	68.745,956	2.330.862,010	33,905	33,445	85	64	25.922	11.126,139	58.940,929	5,298	4,838
36	15	97.272	67.986,150	2.262.116,054	33,273	32,813	86	65	22.742	9.664,664	47.814,790	4,947	4,487
37	16	97.145	67.225,021	2.194.129,904	32,639	32,179	87	66	19.568	8.233,617	38.150,126	4,633	4,173
38	17	97.007	66.464,935	2.126.904,883	32,000	31,540	88	67	16.479	6.865,126	29.916,509	4,358	3,898
39	18	96.852	65.701,728	2.060.439,948	31,361	30,901	89	68	13.612	5.614,559	23.051,384	4,106	3,646
40	19	96.675	64.932,275	1.994.738,220	30,720	30,260	90	69	11.037	4.507,336	17.436,824	3,869	3,409
41	20	96.482	64.160,872	1.929.805,946	30,078	29,618	91	70	8.782	3.550,998	12.929,488	3,641	3,181
42	21	96.268	63.384,910	1.865.645,074	29,434	28,974	92	71	6.816	2.728,671	9.378,490	3,437	2,977
43	22	96.033	62.603,602	1.802.260,164	28,788	28,328	93	72	5.164	2.046,773	6.649,819	3,249	2,789
44	23	95.769	61.813,581	1.739.656,562	28,144	27,684	94	73	3.815	1.497,132	4.603,046	3,075	2,615
45	24	95.487	61.021,446	1.677.842,981	27,496	27,036	95	74	2.743	1.066,013	3.105,914	2,914	2,454
46	25	95.167	60.215,003	1.616.821,534	26,851	26,391	96	75	1.918	737,954	2.039,901	2,764	2,304
47	26	94.821	59.401,832	1.556.606,532	26,205	25,745	97	76	1.301	495,664	1.301,947	2,627	2,167
48	27	94.439	58.576,857	1.497.204,700	25,560	25,100	98	77	856	322,680	806,283	2,499	2,039
49	28	94.026	57.743,284	1.438.627,843	24,914	24,454	99	78	544	203,236	483,604	2,380	1,920
							100	79	334	123,572	280,367	2,269	1,809

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 22 Jahre

Zinsfuß 1,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	28	93.604	56.914,963	1.383.556,201	24,309	23,849
1							51	29	93.113	56.055,565	1.326.641,238	23,667	23,207
2							52	30	92.603	55.196,861	1.270.585,672	23,019	22,559
3							53	31	92.030	54.312,053	1.215.388,811	22,378	21,918
4							54	32	91.419	53.417,218	1.161.076,758	21,736	21,276
5							55	33	90.766	52.510,542	1.107.659,540	21,094	20,634
6							56	34	90.050	51.580,846	1.055.148,999	20,456	19,996
7							57	35	89.303	50.646,442	1.003.568,153	19,815	19,355
8							58	36	88.485	49.685,647	952.921,711	19,179	18,719
9							59	37	87.592	48.697,340	903.236,064	18,548	18,088
10							60	38	86.619	47.679,134	854.538,724	17,923	17,463
11							61	39	85.583	46.642,940	806.859,589	17,299	16,839
12							62	40	84.488	45.589,924	760.216,649	16,675	16,215
13							63	41	83.277	44.491,792	714.626,725	16,062	15,602
14							64	42	81.993	43.371,783	670.134,933	15,451	14,991
15							65	43	80.608	42.217,119	626.763,150	14,846	14,386
16							66	44	79.093	41.013,789	584.546,031	14,252	13,792
17							67	45	77.472	39.775,255	543.532,242	13,665	13,205
18							68	46	75.692	38.476,765	503.756,988	13,092	12,633
19							69	47	73.770	37.128,426	465.280,223	12,532	12,072
20							70	48	71.731	35.744,513	428.151,796	11,978	11,518
21							71	49	69.537	34.308,447	392.407,283	11,438	10,978
22	0	98.906	79.460,498	3.299.160,528	41,520	41,060	72	50	67.186	32.819,881	358.098,836	10,911	10,451
23	1	98.456	78.315,949	3.219.700,030	41,112	40,652	73	51	64.657	31.271,733	325.278,955	10,402	9,942
24	2	98.348	77.455,320	3.141.384,081	40,557	40,097	74	52	61.976	29.678,609	294.007,222	9,906	9,446
25	3	98.257	76.617,640	3.063.928,761	39,990	39,530	75	53	59.166	28.052,142	264.328,613	9,423	8,963
26	4	98.168	75.790,550	2.987.311,121	39,415	38,955	76	54	56.252	26.406,594	236.276,471	8,948	8,488
27	5	98.085	74.976,798	2.911.520,570	38,832	38,372	77	55	53.260	24.754,465	209.869,877	8,478	8,018
28	6	98.002	74.171,668	2.836.543,773	38,243	37,783	78	56	50.154	23.080,089	185.115,413	8,021	7,561
29	7	97.921	73.376,554	2.762.372,105	37,647	37,187	79	57	46.920	21.378,242	162.035,324	7,579	7,119
30	8	97.844	72.592,632	2.688.995,552	37,042	36,582	80	58	43.600	19.668,848	140.657,083	7,151	6,691
31	9	97.763	71.814,491	2.616.402,919	36,433	35,973	81	59	40.166	17.940,007	120.988,234	6,744	6,284
32	10	97.680	71.042,717	2.544.588,428	35,818	35,358	82	60	36.680	16.221,123	103.048,227	6,353	5,893
33	11	97.591	70.275,788	2.473.545,712	35,198	34,738	83	61	33.054	14.472,916	86.827,104	5,999	5,539
34	12	97.497	69.512,432	2.403.269,924	34,573	34,113	84	62	29.519	12.797,079	72.354,189	5,654	5,194
35	13	97.395	68.752,618	2.333.757,492	33,944	33,484	85	63	26.099	11.202,336	59.557,110	5,316	4,857
36	14	97.284	67.994,073	2.265.004,874	33,312	32,852	86	64	22.909	9.735,861	48.354,774	4,967	4,507
37	15	97.163	67.237,034	2.197.010,801	32,676	32,216	87	65	19.729	8.301,417	38.618,913	4,652	4,192
38	16	97.028	66.479,013	2.129.773,767	32,037	31,577	88	66	16.630	6.927,869	30.317,496	4,376	3,916
39	17	96.874	65.716,187	2.063.294,754	31,397	30,937	89	67	13.752	5.672,217	23.389,627	4,124	3,664
40	18	96.703	64.950,954	1.997.578,567	30,755	30,295	90	68	11.165	4.559,485	17.717,410	3,886	3,426
41	19	96.509	64.178,662	1.932.627,613	30,113	29,653	91	69	8.896	3.596,888	13.157,925	3,658	3,198
42	20	96.299	63.404,937	1.868.448,950	29,469	29,009	92	70	6.914	2.768,015	9.561,037	3,454	2,994
43	21	96.056	62.618,923	1.805.044,013	28,826	28,366	93	71	5.249	2.080,503	6.793,023	3,265	2,805
44	22	95.795	61.830,321	1.742.425,091	28,181	27,721	94	72	3.885	1.524,619	4.712,519	3,091	2,631
45	23	95.512	61.037,371	1.680.594,769	27,534	27,074	95	73	2.800	1.088,182	3.187,900	2,930	2,470
46	24	95.193	60.231,366	1.619.557,398	26,889	26,429	96	74	1.963	755,142	2.099,719	2,781	2,321
47	25	94.844	59.416,452	1.559.326,032	26,244	25,784	97	75	1.336	508,857	1.344,576	2,642	2,182
48	26	94.466	58.593,261	1.499.909,579	25,599	25,139	98	76	881	332,299	835,719	2,515	2,055
49	27	94.054	57.760,118	1.441.316,318	24,953	24,494	99	77	563	210,070	503,420	2,396	1,936
							100	78	347	128,328	293,349	2,286	1,826

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 23 Jahre

Zinsfuß 1,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	27	93.631	56.931,555	1.386.007,302	24,345	23,885
1							51	28	93.140	56.072,209	1.329.075,747	23,703	23,243
2							52	29	92.630	55.213,023	1.273.003,538	23,056	22,596
3							53	30	92.060	54.329,841	1.217.790,515	22,415	21,955
4							54	31	91.451	53.436,306	1.163.460,674	21,773	21,313
5							55	32	90.798	52.529,220	1.110.024,368	21,132	20,672
6							56	33	90.086	51.601,465	1.057.495,148	20,494	20,034
7							57	34	89.345	50.670,197	1.005.893,684	19,852	19,392
8							58	35	88.531	49.711,097	955.223,487	19,215	18,756
9							59	36	87.642	48.724,892	905.512,390	18,584	18,124
10							60	37	86.672	47.708,390	856.787,498	17,959	17,499
11							61	38	85.643	46.675,590	809.079,108	17,334	16,874
12							62	39	84.555	45.626,437	762.403,518	16,710	16,250
13							63	40	83.350	44.530,533	716.777,080	16,096	15,636
14							64	41	82.074	43.414,697	672.246,548	15,484	15,024
15							65	42	80.699	42.264,653	628.831,850	14,878	14,418
16							66	43	79.196	41.067,095	586.567,197	14,283	13,823
17							67	44	77.580	39.830,699	545.500,102	13,695	13,235
18							68	45	75.813	38.537,886	505.669,403	13,121	12,661
19							69	46	73.903	37.195,228	467.131,516	12,559	12,099
20							70	47	71.871	35.814,159	429.936,288	12,005	11,545
21							71	48	69.685	34.381,333	394.122,129	11,463	11,003
22							72	49	67.348	32.899,060	359.740,796	10,935	10,475
23	0	98.831	78.614,443	3.222.772,228	40,995	40,535	73	50	64.820	31.350,945	326.841,736	10,425	9,965
24	1	98.383	77.483,070	3.144.157,785	40,579	40,119	74	51	62.149	29.761,263	295.490,791	9,929	9,469
25	2	98.276	76.632,792	3.066.674,715	40,018	39,558	75	52	59.345	28.137,207	265.729,528	9,444	8,984
26	3	98.185	75.803,562	2.990.041,924	39,445	38,985	76	53	56.430	26.490,238	237.592,321	8,969	8,509
27	4	98.098	74.986,483	2.914.238,362	38,864	38,404	77	54	53.446	24.840,867	211.102,083	8,498	8,038
28	5	98.015	74.181,365	2.839.251,879	38,274	37,814	78	55	50.345	23.167,822	186.261,216	8,040	7,580
29	6	97.930	73.383,316	2.765.070,515	37,680	37,220	79	56	47.109	21.464,415	163.093,395	7,598	7,138
30	7	97.852	72.598,955	2.691.687,199	37,076	36,616	80	57	43.796	19.757,026	141.628,979	7,169	6,709
31	8	97.772	71.821,385	2.619.088,244	36,467	36,007	81	58	40.360	18.026,818	121.871,953	6,761	6,301
32	9	97.686	71.047,308	2.547.266,859	35,853	35,393	82	59	36.868	16.304,009	103.845,136	6,369	5,909
33	10	97.599	70.281,698	2.476.219,551	35,233	34,773	83	60	33.237	14.553,019	87.541,127	6,015	5,555
34	11	97.506	69.518,952	2.405.937,854	34,608	34,148	84	61	29.686	12.869,500	72.988,108	5,671	5,211
35	12	97.403	68.758,457	2.336.418,902	33,980	33,520	85	62	26.264	11.273,277	60.118,608	5,333	4,873
36	13	97.293	68.000,662	2.267.660,445	33,348	32,888	86	63	23.066	9.802,536	48.845,330	4,983	4,523
37	14	97.174	67.244,870	2.199.659,783	32,711	32,251	87	64	19.875	8.362,571	39.042,795	4,669	4,209
38	15	97.045	66.490,893	2.132.414,913	32,071	31,611	88	65	16.766	6.984,917	30.680,223	4,392	3,932
39	16	96.894	65.730,107	2.065.924,020	31,430	30,970	89	66	13.877	5.724,058	23.695,306	4,140	3,680
40	17	96.724	64.965,248	2.000.193,913	30,789	30,329	90	67	11.279	4.606,308	17.971,248	3,901	3,441
41	18	96.537	64.197,125	1.935.228,666	30,145	29,685	91	68	8.998	3.638,503	13.364,940	3,673	3,213
42	19	96.325	63.422,518	1.871.031,541	29,501	29,041	92	69	7.003	2.803,786	9.726,437	3,469	3,009
43	20	96.086	62.638,708	1.807.609,023	28,858	28,398	93	70	5.324	2.110,501	6.922,651	3,280	2,820
44	21	95.818	61.845,453	1.744.970,315	28,215	27,755	94	71	3.949	1.549,744	4.812,150	3,105	2,645
45	22	95.538	61.053,901	1.683.124,862	27,568	27,108	95	72	2.852	1.108,161	3.262,406	2,944	2,484
46	23	95.218	60.247,085	1.622.070,961	26,924	26,464	96	73	2.004	770,846	2.154,245	2,795	2,335
47	24	94.870	59.432,599	1.561.823,876	26,279	25,819	97	74	1.367	520,709	1.383,399	2,657	2,197
48	25	94.489	58.607,682	1.502.391,277	25,635	25,175	98	75	905	341,144	862,690	2,529	2,069
49	26	94.080	57.776,293	1.443.783,594	24,989	24,529	99	76	579	216,333	521,545	2,411	1,951
							100	77	359	132,643	305,212	2,301	1,841

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 24 Jahre

Zinsfuß 1,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	26	93.658	56.947,498	1.388.256,881	24,378	23,918
1							51	27	93.167	56.088,555	1.331.309,383	23,736	23,276
2							52	28	92.658	55.229,416	1.275.220,829	23,090	22,630
3							53	29	92.087	54.345,749	1.219.991,413	22,449	21,989
4							54	30	91.481	53.453,807	1.165.645,664	21,807	21,347
5							55	31	90.830	52.547,991	1.112.191,857	21,165	20,705
6							56	32	90.118	51.619,819	1.059.643,866	20,528	20,068
7							57	33	89.381	50.690,452	1.008.024,047	19,886	19,426
8							58	34	88.572	49.734,414	957.333,595	19,249	18,789
9							59	35	87.687	48.749,850	907.599,181	18,617	18,157
10							60	36	86.721	47.735,383	858.849,332	17,992	17,532
11							61	37	85.696	46.704,230	811.113,949	17,367	16,907
12							62	38	84.615	45.658,376	764.409,719	16,742	16,282
13							63	39	83.417	44.566,197	718.751,343	16,128	15,668
14							64	40	82.145	43.452,500	674.185,146	15,515	15,055
15							65	41	80.779	42.306,472	630.732,645	14,909	14,449
16							66	42	79.285	41.113,334	588.426,173	14,312	13,852
17							67	43	77.681	39.882,468	547.312,839	13,723	13,263
18							68	44	75.918	38.591,606	507.430,372	13,149	12,689
19							69	45	74.020	37.254,314	468.838,765	12,585	12,125
20							70	46	72.000	35.878,596	431.584,451	12,029	11,569
21							71	47	69.821	34.448,323	395.705,855	11,487	11,027
22							72	48	67.491	32.968,952	361.257,532	10,958	10,498
23							73	49	64.977	31.426,580	328.288,580	10,446	9,986
24	0	98.758	77.778,389	3.147.005,527	40,461	40,001	74	50	62.306	29.836,649	296.862,000	9,950	9,490
25	1	98.312	76.660,247	3.069.227,138	40,037	39,577	75	51	59.510	28.215,568	267.025,351	9,464	9,004
26	2	98.204	75.818,552	2.992.566,891	39,470	39,010	76	52	56.601	26.570,566	238.809,782	8,988	8,528
27	3	98.115	74.999,356	2.916.748,338	38,890	38,430	77	53	53.615	24.919,552	212.239,216	8,517	8,057
28	4	98.028	74.190,947	2.841.748,983	38,303	37,843	78	54	50.520	23.248,686	187.319,665	8,057	7,597
29	5	97.943	73.392,910	2.767.558,036	37,709	37,249	79	55	47.288	21.546,007	164.070,979	7,615	7,155
30	6	97.861	72.605,645	2.694.165,126	37,107	36,647	80	56	43.972	19.836,664	142.524,971	7,185	6,725
31	7	97.781	71.827,641	2.621.559,481	36,498	36,038	81	57	40.541	18.107,634	122.688,307	6,776	6,316
32	8	97.695	71.054,128	2.549.731,840	35,884	35,424	82	58	37.046	16.382,903	104.580,673	6,384	5,924
33	9	97.606	70.286,239	2.478.677,712	35,265	34,805	83	59	33.407	14.627,381	88.197,770	6,030	5,570
34	10	97.514	69.524,798	2.408.391,473	34,641	34,181	84	60	29.851	12.940,729	73.570,389	5,685	5,225
35	11	97.413	68.764,906	2.338.866,674	34,013	33,553	85	61	26.413	11.337,075	60.629,660	5,348	4,888
36	12	97.301	68.006,437	2.270.101,769	33,381	32,921	86	62	23.212	9.864,613	49.292,585	4,997	4,537
37	13	97.183	67.251,386	2.202.095,331	32,744	32,284	87	63	20.011	8.419,842	39.427,972	4,683	4,223
38	14	97.057	66.498,642	2.134.843,945	32,104	31,644	88	64	16.890	7.036,373	31.008,131	4,407	3,947
39	15	96.912	65.741,853	2.068.345,303	31,462	31,002	89	65	13.992	5.771,193	23.971,758	4,154	3,694
40	16	96.745	64.979,009	2.002.603,450	30,819	30,359	90	66	11.382	4.648,407	18.200,564	3,915	3,455
41	17	96.558	64.211,253	1.937.624,442	30,176	29,716	91	67	9.091	3.675,868	13.552,157	3,687	3,227
42	18	96.353	63.440,763	1.873.413,189	29,530	29,070	92	68	7.084	2.836,225	9.876,289	3,482	3,022
43	19	96.113	62.656,076	1.809.972,426	28,887	28,427	93	69	5.393	2.137,775	7.040,064	3,293	2,833
44	20	95.849	61.864,994	1.747.316,350	28,244	27,784	94	70	4.006	1.572,089	4.902,289	3,118	2,658
45	21	95.561	61.068,843	1.685.451,356	27,599	27,139	95	71	2.899	1.126,423	3.330,200	2,956	2,496
46	22	95.244	60.263,401	1.624.382,513	26,955	26,495	96	72	2.040	784,999	2.203,777	2,807	2,347
47	23	94.895	59.448,109	1.564.119,113	26,311	25,851	97	73	1.395	531,538	1.418,778	2,669	2,209
48	24	94.515	58.623,609	1.504.671,003	25,667	25,207	98	74	926	349,090	887,240	2,542	2,082
49	25	94.103	57.790,513	1.446.047,394	25,022	24,562	99	75	595	222,091	538,149	2,423	1,963
							100	76	369	136,597	316,058	2,314	1,854

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 25 Jahre

Zinsfuß 1,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	25	93.681	56.961,514	1.390.320,858	24,408	23,948
1							51	26	93.194	56.104,262	1.333.359,343	23,766	23,306
2							52	27	92.685	55.245,516	1.277.255,082	23,120	22,660
3							53	28	92.114	54.361,884	1.222.009,566	22,479	22,019
4							54	29	91.508	53.469,458	1.167.647,681	21,838	21,378
5							55	30	90.860	52.565,201	1.114.178,223	21,196	20,736
6							56	31	90.151	51.638,265	1.061.613,021	20,559	20,099
7							57	32	89.413	50.708,482	1.009.974,756	19,917	19,457
8							58	33	88.607	49.754,294	959.266,274	19,280	18,820
9							59	34	87.728	48.772,715	909.511,980	18,648	18,188
10							60	35	86.765	47.759,833	860.739,265	18,022	17,562
11							61	36	85.744	46.730,655	812.979,431	17,397	16,937
12							62	37	84.667	45.686,392	766.248,776	16,772	16,312
13							63	38	83.475	44.597,394	720.562,385	16,157	15,697
14							64	39	82.211	43.487,302	675.964,991	15,544	15,084
15							65	40	80.849	42.343,310	632.477,689	14,937	14,477
16							66	41	79.364	41.154,014	590.134,379	14,340	13,880
17							67	42	77.768	39.927,373	548.980,365	13,749	13,289
18							68	43	76.017	38.641,764	509.052,992	13,174	12,714
19							69	44	74.124	37.306,245	470.411,228	12,609	12,149
20							70	45	72.114	35.935,591	433.104,984	12,052	11,592
21							71	46	69.947	34.510,303	397.169,393	11,509	11,049
22							72	47	67.622	33.033,190	362.659,090	10,979	10,519
23							73	48	65.115	31.493,344	329.625,900	10,467	10,007
24							74	49	62.457	29.908,631	298.132,557	9,968	9,508
25	0	98.686	76.952,430	3.071.868,528	39,919	39,459	75	50	59.661	28.287,039	268.223,926	9,482	9,022
26	1	98.240	75.845,716	2.994.916,098	39,487	39,027	76	51	56.759	26.644,564	239.936,886	9,005	8,545
27	2	98.134	75.014,187	2.919.070,382	38,914	38,454	77	52	53.778	24.995,117	213.292,322	8,533	8,073
28	3	98.045	74.203,684	2.844.056,195	38,328	37,868	78	53	50.680	23.322,328	188.297,205	8,074	7,614
29	4	97.956	73.402,390	2.769.852,511	37,735	37,275	79	54	47.454	21.621,211	164.974,878	7,630	7,170
30	5	97.874	72.615,138	2.696.450,121	37,133	36,673	80	55	44.139	19.912,069	143.353,667	7,199	6,739
31	6	97.790	71.834,260	2.623.834,983	36,526	36,066	81	56	40.704	18.180,624	123.441,598	6,790	6,330
32	7	97.704	71.060,317	2.552.000,724	35,913	35,453	82	57	37.212	16.456,349	105.260,974	6,396	5,936
33	8	97.615	70.292,987	2.480.940,407	35,294	34,834	83	58	33.569	14.698,162	88.804,625	6,042	5,582
34	9	97.520	69.529,291	2.410.647,420	34,671	34,211	84	59	30.003	13.006,853	74.106,463	5,697	5,238
35	10	97.421	68.770,689	2.341.118,129	34,042	33,582	85	60	26.559	11.399,822	61.099,610	5,360	4,900
36	11	97.311	68.012,816	2.272.347,440	33,411	32,951	86	61	23.344	9.920,439	49.699,787	5,010	4,550
37	12	97.192	67.257,098	2.204.334,625	32,775	32,315	87	62	20.137	8.473,162	39.779,349	4,695	4,235
38	13	97.066	66.505,086	2.137.077,527	32,134	31,674	88	63	17.006	7.084,561	31.306,186	4,419	3,959
39	14	96.923	65.749,514	2.070.572,441	31,492	31,032	89	64	14.095	5.813,708	24.221,626	4,166	3,706
40	15	96.762	64.990,620	2.004.822,926	30,848	30,388	90	65	11.476	4.686,685	18.407,918	3,928	3,468
41	16	96.578	64.224,854	1.939.832,306	30,204	29,744	91	66	9.174	3.709,463	13.721,233	3,699	3,239
42	17	96.374	63.454,724	1.875.607,452	29,558	29,098	92	67	7.157	2.865,352	10.011,769	3,494	3,034
43	18	96.141	62.674,101	1.812.152,728	28,914	28,454	93	68	5.456	2.162,509	7.146,418	3,305	2,845
44	19	95.875	61.882,148	1.749.478,627	28,271	27,811	94	69	4.058	1.592,405	4.983,909	3,130	2,670
45	20	95.591	61.088,138	1.687.596,479	27,626	27,166	95	70	2.941	1.142,664	3.391,504	2,968	2,508
46	21	95.267	60.278,149	1.626.508,341	26,983	26,523	96	71	2.074	797,935	2.248,840	2,818	2,358
47	22	94.921	59.464,209	1.566.230,192	26,339	25,879	97	72	1.421	541,297	1.450,904	2,680	2,220
48	23	94.539	58.638,908	1.506.765,984	25,696	25,236	98	73	945	356,350	909,607	2,553	2,093
49	24	94.129	57.806,217	1.448.127,075	25,051	24,591	99	74	609	227,264	553,257	2,434	1,974
							100	75	379	140,233	325,993	2,325	1,865

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 0 Jahre

Zinsfuß 1,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	0	100.000	100.000,000	4.701.539,505	47,015	46,555	50	50	91.638	49.240,630	1.040.958,400	21,140	20,680
1	1	99.166	97.941,539	4.601.539,505	46,983	46,522	51	51	90.953	48.269,462	991.717,771	20,545	20,085
2	2	99.090	96.658,676	4.503.597,965	46,593	46,132	52	52	90.231	47.294,840	943.448,309	19,948	19,488
3	3	99.051	95.427,267	4.406.939,290	46,181	45,721	53	53	89.431	46.296,612	896.153,468	19,357	18,896
4	4	99.016	94.215,785	4.311.512,022	45,762	45,302	54	54	88.588	45.294,168	849.856,856	18,763	18,303
5	5	98.990	93.028,132	4.217.296,237	45,334	44,873	55	55	87.680	44.276,686	804.562,688	18,171	17,711
6	6	98.963	91.855,045	4.124.268,106	44,900	44,439	56	56	86.694	43.238,363	760.286,003	17,584	17,123
7	7	98.942	90.702,100	4.032.413,060	44,458	43,997	57	57	85.670	42.200,018	717.047,640	16,992	16,531
8	8	98.922	89.563,459	3.941.710,960	44,010	43,550	58	58	84.550	41.133,982	674.847,622	16,406	15,946
9	9	98.900	88.438,729	3.852.147,501	43,557	43,097	59	59	83.341	40.045,210	633.713,640	15,825	15,365
10	10	98.885	87.333,076	3.763.708,771	43,096	42,636	60	60	82.046	38.936,145	593.668,431	15,247	14,787
11	11	98.867	86.239,532	3.676.375,696	42,630	42,169	61	61	80.675	37.813,221	554.732,286	14,670	14,210
12	12	98.844	85.154,554	3.590.136,164	42,160	41,700	62	62	79.258	36.690,179	516.919,064	14,089	13,628
13	13	98.822	84.085,139	3.504.981,609	41,684	41,223	63	63	77.698	35.524,141	480.228,885	13,518	13,058
14	14	98.800	83.028,237	3.420.896,471	41,202	40,741	64	64	76.054	34.343,355	444.704,744	12,949	12,488
15	15	98.770	81.978,515	3.337.868,233	40,716	40,256	65	65	74.307	33.139,924	410.361,389	12,383	11,922
16	16	98.729	80.932,873	3.255.889,718	40,230	39,769	66	66	72.409	31.894,928	377.221,465	11,827	11,367
17	17	98.670	79.886,164	3.174.956,846	39,744	39,283	67	67	70.380	30.618,567	345.326,537	11,278	10,818
18	18	98.599	78.842,573	3.095.070,682	39,256	38,796	68	68	68.173	29.291,994	314.707,970	10,744	10,283
19	19	98.496	77.787,767	3.016.228,108	38,775	38,315	69	69	65.800	27.923,385	285.415,975	10,221	9,761
20	20	98.389	76.744,267	2.938.440,342	38,289	37,828	70	70	63.288	26.525,658	257.492,590	9,707	9,247
21	21	98.283	75.715,258	2.861.696,075	37,796	37,335	71	71	60.609	25.089,308	230.966,932	9,206	8,745
22	22	98.182	74.703,585	2.785.980,817	37,294	36,833	72	72	57.749	23.610,156	205.877,625	8,720	8,259
23	23	98.081	73.705,730	2.711.277,231	36,785	36,325	73	73	54.711	22.092,122	182.267,469	8,250	7,790
24	24	97.983	72.722,847	2.637.571,501	36,269	35,808	74	74	51.518	20.545,856	160.175,346	7,796	7,336
25	25	97.886	71.753,420	2.564.848,654	35,745	35,285	75	75	48.208	18.988,405	139.629,491	7,353	6,893
26	26	97.790	70.798,313	2.493.095,235	35,214	34,754	76	76	44.787	17.423,120	120.641,086	6,924	6,464
27	27	97.693	69.854,690	2.422.296,922	34,676	34,216	77	77	41.321	15.876,288	103.217,966	6,501	6,041
28	28	97.594	68.922,855	2.352.442,232	34,132	33,671	78	78	37.788	14.339,809	87.341,678	6,091	5,630
29	29	97.494	68.001,730	2.283.519,377	33,580	33,120	79	79	34.179	12.810,013	73.001,870	5,699	5,238
30	30	97.396	67.095,319	2.215.517,647	33,020	32,560	80	80	30.561	11.312,563	60.191,857	5,321	4,860
31	31	97.293	66.196,888	2.148.422,328	32,455	31,995	81	81	26.911	9.838,716	48.879,294	4,968	4,508
32	32	97.182	65.304,678	2.082.225,440	31,885	31,424	82	82	23.325	8.422,216	39.040,578	4,635	4,175
33	33	97.068	64.422,692	2.016.920,762	31,308	30,847	83	83	19.770	7.050,356	30.618,362	4,343	3,882
34	34	96.944	63.546,134	1.952.498,070	30,726	30,265	84	84	16.483	5.805,653	23.568,006	4,059	3,599
35	35	96.806	62.672,275	1.888.951,936	30,140	29,680	85	85	13.487	4.691,739	17.762,353	3,786	3,325
36	36	96.655	61.802,111	1.826.279,661	29,550	29,090	86	86	10.885	3.739,765	13.070,614	3,495	3,035
37	37	96.491	60.935,742	1.764.477,551	28,956	28,496	87	87	8.491	2.881,280	9.330,849	3,238	2,778
38	38	96.316	60.073,878	1.703.541,809	28,357	27,897	88	88	6.365	2.133,289	6.449,569	3,023	2,563
39	39	96.116	59.209,021	1.643.467,932	27,757	27,297	89	89	4.613	1.526,992	4.316,281	2,827	2,366
40	40	95.891	58.341,189	1.584.258,911	27,155	26,695	90	90	3.223	1.053,630	2.789,289	2,647	2,187
41	41	95.642	57.471,650	1.525.917,722	26,551	26,090	91	91	2.173	701,628	1.735,659	2,474	2,013
42	42	95.366	56.598,292	1.468.446,072	25,945	25,485	92	92	1.390	443,331	1.034,031	2,332	1,872
43	43	95.049	55.713,528	1.411.847,780	25,341	24,881	93	93	851	267,933	590,700	2,205	1,744
44	44	94.691	54.818,242	1.356.134,252	24,739	24,278	94	94	497	154,494	322,767	2,089	1,629
45	45	94.305	53.921,057	1.301.316,010	24,134	23,673	95	95	276	84,780	168,274	1,985	1,524
46	46	93.866	53.007,291	1.247.394,954	23,533	23,072	96	96	146	44,166	83,494	1,890	1,430
47	47	93.379	52.081,475	1.194.387,662	22,933	22,473	97	97	73	21,787	39,328	1,805	1,345
48	48	92.848	51.146,047	1.142.306,187	22,334	21,874	98	98	34	10,152	17,541	1,728	1,267
49	49	92.273	50.201,740	1.091.160,140	21,736	21,275	99	99	15	4,457	7,389	1,658	1,198
							100	100	6	1,839	2,932	1,595	1,134

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -1 Jahr

Zinsfuß 1,25%

Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	1	99.620	99.620,306	4.685.704,582	47,036	46,575	50	51	91.406	49.116,217	1.027.112,270	20,912	20,451
1	2	99.130	97.906,462	4.586.084,276	46,841	46,381	51	52	90.701	48.135,406	977.996,053	20,318	19,857
2	3	99.071	96.639,565	4.488.177,814	46,442	45,982	52	53	89.958	47.151,858	929.860,648	19,721	19,260
3	4	99.034	95.410,888	4.391.538,249	46,028	45,567	53	54	89.148	46.150,428	882.708,789	19,127	18,666
4	5	99.003	94.203,617	4.296.127,361	45,605	45,144	54	55	88.280	45.136,624	836.558,361	18,534	18,074
5	6	98.977	93.015,971	4.201.923,745	45,174	44,714	55	56	87.348	44.109,016	791.421,737	17,942	17,482
6	7	98.954	91.846,581	4.108.907,774	44,737	44,276	56	57	86.346	43.064,773	747.312,721	17,353	16,893
7	8	98.934	90.694,201	4.017.061,192	44,292	43,832	57	58	85.288	42.011,675	704.247,948	16,763	16,303
8	9	98.912	89.554,862	3.926.366,991	43,843	43,383	58	59	84.143	40.935,896	662.236,272	16,177	15,717
9	10	98.894	88.433,015	3.836.812,129	43,387	42,926	59	60	82.917	39.841,629	621.300,377	15,594	15,134
10	11	98.876	87.325,732	3.748.379,115	42,924	42,464	60	61	81.594	38.721,830	581.458,748	15,016	14,556
11	12	98.858	86.231,444	3.661.053,383	42,456	41,996	61	62	80.221	37.600,423	542.736,917	14,434	13,974
12	13	98.835	85.147,322	3.574.821,939	41,984	41,524	62	63	78.759	36.459,292	505.136,484	13,855	13,394
13	14	98.813	84.076,992	3.489.674,616	41,506	41,045	63	64	77.170	35.282,512	468.677,193	13,284	12,823
14	15	98.788	83.018,562	3.405.597,625	41,022	40,562	64	65	75.498	34.092,208	433.394,681	12,712	12,252
15	16	98.752	81.963,868	3.322.579,062	40,537	40,077	65	66	73.700	32.869,258	399.302,473	12,148	11,688
16	17	98.708	80.915,733	3.240.615,194	40,049	39,589	66	67	71.753	31.606,069	366.433,215	11,594	11,133
17	18	98.649	79.868,588	3.159.699,461	39,561	39,101	67	68	69.665	30.307,330	334.827,146	11,048	10,587
18	19	98.570	78.819,899	3.079.830,874	39,074	38,614	68	69	67.393	28.956,965	304.519,816	10,516	10,056
19	20	98.468	77.766,203	3.001.010,975	38,590	38,130	69	70	64.960	27.567,133	275.562,851	9,996	9,536
20	21	98.358	76.720,027	2.923.244,771	38,103	37,642	70	71	62.388	26.148,635	247.995,717	9,484	9,024
21	22	98.259	75.696,733	2.846.524,745	37,604	37,144	71	72	59.626	24.682,553	221.847,083	8,988	8,528
22	23	98.155	74.683,360	2.770.828,012	37,101	36,641	72	73	56.707	23.184,486	197.164,530	8,504	8,044
23	24	98.056	73.686,500	2.696.144,652	36,589	36,129	73	74	53.596	21.642,054	173.980,044	8,039	7,579
24	25	97.957	72.703,090	2.622.458,152	36,071	35,610	74	75	50.345	20.078,197	152.337,990	7,587	7,127
25	26	97.861	71.735,764	2.549.755,062	35,544	35,083	75	76	46.958	18.496,083	132.259,793	7,151	6,690
26	27	97.762	70.778,492	2.478.019,299	35,011	34,551	76	77	43.490	16.918,749	113.763,711	6,724	6,264
27	28	97.664	69.834,332	2.407.240,806	34,471	34,010	77	78	39.976	15.359,792	96.844,962	6,305	5,845
28	29	97.565	68.902,397	2.337.406,474	33,923	33,463	78	79	36.388	13.808,345	81.485,169	5,901	5,441
29	30	97.465	67.981,825	2.268.504,077	33,369	32,909	79	80	32.741	12.271,145	67.676,824	5,515	5,055
30	31	97.365	67.073,351	2.200.522,252	32,808	32,347	80	81	29.072	10.761,479	55.405,680	5,149	4,688
31	32	97.259	66.173,242	2.133.448,902	32,240	31,780	81	82	25.411	9.290,268	44.644,201	4,805	4,345
32	33	97.147	65.281,457	2.067.275,659	31,667	31,207	82	83	21.818	7.877,937	35.353,933	4,488	4,027
33	34	97.029	64.396,950	2.001.994,202	31,088	30,628	83	84	18.353	6.545,142	27.475,996	4,198	3,738
34	35	96.898	63.516,342	1.937.597,252	30,505	30,045	84	85	15.158	5.339,102	20.930,854	3,920	3,460
35	36	96.756	62.640,189	1.874.080,910	29,918	29,458	85	86	12.316	4.284,381	15.591,752	3,639	3,179
36	37	96.600	61.767,164	1.811.440,720	29,327	28,867	86	87	9.787	3.362,743	11.307,371	3,363	2,902
37	38	96.432	60.898,375	1.749.673,556	28,731	28,271	87	88	7.490	2.541,641	7.944,629	3,126	2,665
38	39	96.248	60.031,855	1.688.775,182	28,131	27,671	88	89	5.528	1.852,703	5.402,987	2,916	2,456
39	40	96.039	59.161,638	1.628.743,327	27,530	27,070	89	90	3.929	1.300,653	3.550,284	2,730	2,269
40	41	95.807	58.290,433	1.569.581,689	26,927	26,467	90	91	2.696	881,402	2.249,630	2,552	2,092
41	42	95.548	57.414,840	1.511.291,256	26,322	25,862	91	92	1.766	570,143	1.368,229	2,400	1,939
42	43	95.259	56.534,637	1.453.876,415	25,717	25,256	92	93	1.105	352,275	798,086	2,266	1,805
43	44	94.926	55.641,211	1.397.341,778	25,113	24,653	93	94	660	207,918	445,810	2,144	1,684
44	45	94.559	54.741,934	1.341.700,567	24,510	24,049	94	95	376	116,930	237,892	2,034	1,574
45	46	94.155	53.835,538	1.286.958,633	23,905	23,445	95	96	203	62,502	120,962	1,935	1,475
46	47	93.697	52.912,091	1.233.123,096	23,305	22,845	96	97	104	31,674	58,460	1,846	1,385
47	48	93.198	51.980,195	1.180.211,004	22,705	22,245	97	98	51	15,180	26,786	1,765	1,304
48	49	92.651	51.037,621	1.128.230,809	22,106	21,645	98	99	23	6,863	11,606	1,691	1,231
49	50	92.051	50.080,918	1.077.193,188	21,509	21,049	99	100	10	2,920	4,743	1,625	1,164
							100	101	4	1,166	1,824	1,564	1,104

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -2 Jahre

Zinsfuß 1,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	2	99.585	99.584,628	4.669.147,393	46,886	46,426	50	52	91.153	48.979,809	1.012.313,987	20,668	20,208
1	3	99.111	97.887,105	4.569.562,765	46,682	46,222	51	53	90.427	47.989,883	963.334,177	20,074	19,613
2	4	99.054	96.622,977	4.471.675,660	46,280	45,819	52	54	89.674	47.002,974	915.344,294	19,474	19,014
3	5	99.021	95.398,565	4.375.052,683	45,861	45,400	53	55	88.838	45.989,906	868.341,320	18,881	18,421
4	6	98.990	94.191,302	4.279.654,118	45,436	44,975	54	56	87.945	44.965,698	822.351,414	18,288	17,828
5	7	98.968	93.007,400	4.185.462,816	45,001	44,541	55	57	86.998	43.931,931	777.385,716	17,695	17,235
6	8	98.945	91.838,582	4.092.455,416	44,561	44,101	56	58	85.961	42.872,571	733.453,785	17,108	16,647
7	9	98.924	90.685,495	4.000.616,834	44,115	43,655	57	59	84.877	41.809,363	690.581,214	16,517	16,057
8	10	98.906	89.549,075	3.909.931,338	43,662	43,202	58	60	83.715	40.727,787	648.771,852	15,929	15,469
9	11	98.886	88.425,578	3.820.382,263	43,204	42,744	59	61	82.461	39.622,330	608.044,065	15,346	14,886
10	12	98.867	87.317,542	3.731.956,685	42,740	42,280	60	62	81.135	38.503,929	568.421,735	14,763	14,302
11	13	98.849	86.224,121	3.644.639,143	42,269	41,809	61	63	79.716	37.363,818	529.917,806	14,183	13,722
12	14	98.826	85.139,072	3.558.415,022	41,795	41,335	62	64	78.223	36.211,301	492.553,988	13,602	13,142
13	15	98.801	84.067,195	3.473.275,950	41,315	40,855	63	65	76.605	35.024,497	456.342,686	13,029	12,569
14	16	98.771	83.003,730	3.389.208,755	40,832	40,372	64	66	74.882	33.813,764	421.318,189	12,460	12,000
15	17	98.732	81.946,510	3.306.205,025	40,346	39,886	65	67	73.032	32.571,575	387.504,425	11,897	11,437
16	18	98.687	80.897,930	3.224.258,515	39,856	39,395	66	68	71.024	31.284,794	354.932,850	11,345	10,885
17	19	98.620	79.845,618	3.143.360,585	39,368	38,908	67	69	68.868	29.960,688	323.648,057	10,802	10,342
18	20	98.543	78.798,050	3.063.514,967	38,878	38,418	68	70	66.533	28.587,527	293.687,369	10,273	9,813
19	21	98.437	77.741,640	2.984.716,918	38,393	37,932	69	71	64.037	27.175,307	265.099,842	9,755	9,295
20	22	98.334	76.701,255	2.906.975,277	37,900	37,440	70	72	61.377	25.724,706	237.924,535	9,249	8,788
21	23	98.233	75.676,239	2.830.274,022	37,400	36,939	71	73	58.551	24.237,549	212.199,829	8,755	8,295
22	24	98.130	74.663,875	2.754.597,783	36,893	36,433	72	74	55.552	22.712,163	187.962,281	8,276	7,815
23	25	98.029	73.666,481	2.679.933,908	36,379	35,919	73	75	52.376	21.149,444	165.250,117	7,813	7,353
24	26	97.932	72.685,200	2.606.267,428	35,857	35,397	74	76	49.040	19.557,619	144.100,674	7,368	6,908
25	27	97.834	71.715,681	2.533.582,228	35,328	34,868	75	77	45.598	17.960,652	124.543,055	6,934	6,474
26	28	97.734	70.757,865	2.461.866,547	34,793	34,332	76	78	42.075	16.368,340	106.582,404	6,511	6,051
27	29	97.635	69.813,604	2.391.108,682	34,250	33,790	77	79	38.495	14.790,526	90.214,064	6,099	5,639
28	30	97.537	68.882,229	2.321.295,078	33,699	33,239	78	80	34.857	13.227,481	75.423,538	5,702	5,242
29	31	97.433	67.959,567	2.252.412,849	33,143	32,683	79	81	31.146	11.673,364	62.196,057	5,328	4,868
30	32	97.330	67.049,391	2.184.453,283	32,580	32,119	80	82	27.451	10.161,592	50.522,693	4,972	4,512
31	33	97.224	66.149,713	2.117.403,891	32,009	31,549	81	83	23.769	8.689,892	40.361,101	4,645	4,184
32	34	97.109	65.255,373	2.051.254,179	31,434	30,974	82	84	20.254	7.313,421	31.671,209	4,331	3,870
33	35	96.983	64.366,759	1.985.998,806	30,854	30,394	83	85	16.878	6.019,164	24.357,788	4,047	3,586
34	36	96.849	63.483,825	1.921.632,047	30,270	29,809	84	86	13.842	4.875,536	18.338,624	3,761	3,301
35	37	96.702	62.604,769	1.858.148,222	29,681	29,220	85	87	11.074	3.852,454	13.463,087	3,495	3,034
36	38	96.541	61.729,287	1.795.543,454	29,087	28,627	86	88	8.634	2.966,350	9.610,634	3,240	2,779
37	39	96.365	60.855,776	1.733.814,166	28,491	28,030	87	89	6.505	2.207,347	6.644,284	3,010	2,550
38	40	96.171	59.983,814	1.672.958,391	27,890	27,430	88	90	4.709	1.578,087	4.436,937	2,812	2,351
39	41	95.955	59.110,168	1.612.974,577	27,288	26,827	89	91	3.287	1.088,046	2.858,850	2,628	2,167
40	42	95.713	58.232,814	1.553.864,408	26,684	26,223	90	92	2.191	716,227	1.770,804	2,472	2,012
41	43	95.440	57.350,267	1.495.631,595	26,079	25,619	91	93	1.403	453,041	1.054,577	2,328	1,867
42	44	95.135	56.461,254	1.438.281,327	25,474	25,013	92	94	857	273,369	601,535	2,200	1,740
43	45	94.793	55.563,758	1.381.820,073	24,869	24,409	93	95	500	157,365	328,166	2,085	1,625
44	46	94.409	54.655,113	1.326.256,315	24,266	23,806	94	96	277	86,204	170,802	1,981	1,521
45	47	93.986	53.738,850	1.271.601,202	23,663	23,202	95	97	146	44,824	84,598	1,887	1,427
46	48	93.515	52.809,196	1.217.862,352	23,062	22,601	96	98	73	22,069	39,774	1,802	1,342
47	49	93.000	51.870,000	1.165.053,157	22,461	22,001	97	99	34	10,262	17,705	1,725	1,265
48	50	92.428	50.914,788	1.113.183,156	21,864	21,403	98	100	15	4,496	7,443	1,656	1,195
49	51	91.818	49.954,382	1.062.268,368	21,265	20,804	99	101	6	1,851	2,947	1,593	1,132
							100	102	2	0,714	1,097	1,535	1,075

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -3 Jahre

Zinsfuß 1,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	3	99.565	99.564,939	4.651.489,209	46,718	46,258	50	53	90.877	48.831,733	996.542,673	20,408	19,947
1	4	99.094	97.870,303	4.551.924,270	46,510	46,049	51	54	90.141	47.838,352	947.710,939	19,811	19,350
2	5	99.041	96.610,498	4.454.053,967	46,103	45,643	52	55	89.362	46.839,487	899.872,587	19,212	18,751
3	6	99.008	95.386,094	4.357.443,470	45,682	45,222	53	56	88.502	45.815,749	853.033,100	18,619	18,158
4	7	98.981	94.182,623	4.262.057,375	45,253	44,793	54	57	87.592	44.785,173	807.217,351	18,024	17,564
5	8	98.959	92.999,300	4.167.874,753	44,816	44,356	55	58	86.609	43.735,859	762.432,178	17,433	16,972
6	9	98.936	91.829,767	4.074.875,453	44,374	43,914	56	59	85.547	42.666,112	718.696,319	16,845	16,384
7	10	98.918	90.679,635	3.983.045,686	43,924	43,464	57	60	84.446	41.596,813	676.030,207	16,252	15,792
8	11	98.897	89.541,545	3.892.366,051	43,470	43,010	58	61	83.254	40.503,611	634.433,394	15,664	15,203
9	12	98.876	88.417,286	3.802.824,506	43,010	42,550	59	62	81.997	39.399,362	593.929,783	15,075	14,614
10	13	98.859	87.310,127	3.714.407,220	42,543	42,082	60	63	80.624	38.261,628	554.530,422	14,493	14,033
11	14	98.840	86.215,766	3.627.097,093	42,070	41,610	61	64	79.174	37.109,675	516.268,794	13,912	13,452
12	15	98.814	85.129,152	3.540.881,327	41,594	41,134	62	65	77.651	35.946,495	479.159,119	13,330	12,869
13	16	98.783	84.052,174	3.455.752,175	41,114	40,654	63	66	75.980	34.738,439	443.212,624	12,759	12,298
14	17	98.750	82.986,151	3.371.700,001	40,630	40,169	64	67	74.204	33.507,527	408.474,185	12,191	11,730
15	18	98.710	81.928,480	3.288.713,849	40,141	39,681	65	68	72.290	32.240,485	374.966,658	11,630	11,170
16	19	98.658	80.874,664	3.206.785,369	39,651	39,191	66	69	70.212	30.926,972	342.726,173	11,082	10,621
17	20	98.593	79.823,484	3.125.910,705	39,160	38,700	67	70	67.990	29.578,444	311.799,201	10,541	10,081
18	21	98.512	78.773,161	3.046.087,221	38,669	38,209	68	71	65.588	28.181,197	282.220,758	10,015	9,554
19	22	98.413	77.722,619	2.967.314,060	38,178	37,718	69	72	62.999	26.734,733	254.039,560	9,502	9,042
20	23	98.307	76.680,489	2.889.591,440	37,684	37,223	70	73	60.270	25.260,912	227.304,827	8,998	8,538
21	24	98.207	75.656,494	2.812.910,951	37,180	36,720	71	74	57.358	23.743,773	202.043,915	8,509	8,049
22	25	98.103	74.643,590	2.737.254,457	36,671	36,211	72	75	54.288	22.195,195	178.300,142	8,033	7,573
23	26	98.005	73.648,354	2.662.610,867	36,153	35,693	73	76	51.018	20.601,091	156.104,947	7,578	7,117
24	27	97.905	72.664,851	2.588.962,513	35,629	35,168	74	77	47.620	18.991,458	135.503,856	7,135	6,675
25	28	97.806	71.694,781	2.516.297,662	35,097	34,637	75	78	44.115	17.376,347	116.512,398	6,705	6,245
26	29	97.705	70.736,863	2.444.602,881	34,559	34,099	76	79	40.516	15.761,695	99.136,051	6,290	5,829
27	30	97.607	69.793,169	2.373.866,019	34,013	33,552	77	80	36.875	14.168,345	83.374,357	5,885	5,424
28	31	97.505	68.859,676	2.304.072,850	33,460	33,000	78	81	33.159	12.583,113	69.206,011	5,500	5,040
29	32	97.398	67.935,291	2.235.213,174	32,902	32,442	79	82	29.410	11.022,645	56.622,899	5,137	4,677
30	33	97.295	67.025,550	2.167.277,884	32,335	31,875	80	83	25.677	9.504,908	45.600,253	4,798	4,337
31	34	97.185	66.123,281	2.100.252,333	31,763	31,302	81	84	22.066	8.067,193	36.095,346	4,474	4,014
32	35	97.063	65.224,780	2.034.129,053	31,186	30,726	82	85	18.626	6.725,703	28.028,153	4,167	3,707
33	36	96.934	64.333,806	1.968.904,273	30,605	30,144	83	86	15.413	5.496,553	21.302,450	3,876	3,415
34	37	96.794	63.447,927	1.904.570,467	30,018	29,557	84	87	12.447	4.384,012	15.805,897	3,605	3,145
35	38	96.642	62.566,379	1.841.122,540	29,427	28,966	85	88	9.769	3.398,335	11.421,885	3,361	2,901
36	39	96.474	61.686,107	1.778.556,161	28,832	28,372	86	89	7.498	2.576,195	8.023,550	3,114	2,654
37	40	96.288	60.807,075	1.716.870,054	28,235	27,774	87	90	5.541	1.880,163	5.447,355	2,897	2,437
38	41	96.088	59.931,629	1.656.062,979	27,633	27,172	88	91	3.939	1.320,130	3.567,192	2,702	2,242
39	42	95.860	59.051,739	1.596.131,350	27,029	26,569	89	92	2.671	884,146	2.247,062	2,542	2,081
40	43	95.605	58.167,321	1.537.079,611	26,425	25,965	90	93	1.741	569,121	1.362,916	2,395	1,934
41	44	95.316	57.275,826	1.478.912,291	25,821	25,360	91	94	1.089	351,564	793,795	2,258	1,798
42	45	95.003	56.382,659	1.421.636,465	25,214	24,754	92	95	649	206,902	442,230	2,137	1,677
43	46	94.643	55.475,633	1.365.253,806	24,610	24,150	93	96	368	116,013	235,328	2,028	1,568
44	47	94.239	54.556,953	1.309.778,172	24,008	23,547	94	97	199	61,822	119,315	1,930	1,470
45	48	93.804	53.634,347	1.255.221,219	23,403	22,943	95	98	102	31,231	57,493	1,841	1,381
46	49	93.317	52.697,244	1.201.586,872	22,802	22,341	96	99	49	14,919	26,262	1,760	1,300
47	50	92.776	51.745,164	1.148.889,628	22,203	21,742	97	100	22	6,722	11,343	1,687	1,227
48	51	92.195	50.786,145	1.097.144,464	21,603	21,143	98	101	10	2,850	4,621	1,621	1,161
49	52	91.563	49.815,647	1.046.358,319	21,005	20,544	99	102	4	1,134	1,771	1,561	1,101
							100	103	1	0,422	0,637	1,507	1,047

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -4 Jahre

Zinsfuß 1,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	4	99.548	99.547,849	4.632.683,632	46,537	46,077	50	54	90.590	48.677,545	979.781,885	20,128	19,668
1	5	99.081	97.857,662	4.533.135,783	46,324	45,863	51	55	89.828	47.671,959	931.104,340	19,531	19,071
2	6	99.028	96.597,868	4.435.278,121	45,915	45,454	52	56	89.024	46.662,112	883.432,380	18,933	18,472
3	7	98.999	95.377,305	4.338.680,252	45,490	45,029	53	57	88.146	45.631,811	836.770,268	18,337	17,877
4	8	98.972	94.174,420	4.243.302,947	45,058	44,598	54	58	87.201	44.585,293	791.138,457	17,744	17,284
5	9	98.949	92.990,373	4.149.128,527	44,619	44,159	55	59	86.192	43.525,243	746.553,163	17,152	16,692
6	10	98.929	91.823,833	4.056.138,154	44,173	43,713	56	60	85.112	42.449,207	703.027,921	16,562	16,101
7	11	98.910	90.672,010	3.964.314,321	43,721	43,261	57	61	83.981	41.367,854	660.578,713	15,968	15,508
8	12	98.888	89.533,148	3.873.642,311	43,265	42,805	58	62	82.786	40.275,683	619.210,860	15,374	14,914
9	13	98.868	88.409,777	3.784.109,164	42,802	42,342	59	63	81.481	39.151,425	578.935,177	14,787	14,327
10	14	98.849	87.301,667	3.695.699,387	42,333	41,872	60	64	80.076	38.001,379	539.783,752	14,204	13,744
11	15	98.828	86.205,720	3.608.397,720	41,858	41,398	61	65	78.595	36.838,299	501.782,373	13,621	13,161
12	16	98.796	85.113,942	3.522.192,000	41,382	40,922	62	66	77.017	35.652,906	464.944,074	13,041	12,580
13	17	98.763	84.034,374	3.437.078,058	40,901	40,440	63	67	75.292	34.423,827	429.291,168	12,471	12,010
14	18	98.728	82.967,893	3.353.043,684	40,414	39,953	64	68	73.449	33.166,923	394.867,341	11,905	11,445
15	19	98.681	81.904,918	3.270.075,791	39,925	39,465	65	69	71.463	31.871,732	361.700,417	11,349	10,888
16	20	98.631	80.852,246	3.188.170,873	39,432	38,972	66	70	69.316	30.532,400	329.828,685	10,803	10,342
17	21	98.562	79.798,272	3.107.318,627	38,940	38,479	67	71	67.023	29.158,030	299.296,285	10,265	9,804
18	22	98.488	78.753,887	3.027.520,356	38,443	37,982	68	72	64.524	27.724,316	270.138,256	9,744	9,283
19	23	98.386	77.701,577	2.948.766,468	37,950	37,490	69	73	61.863	26.252,730	242.413,940	9,234	8,773
20	24	98.282	76.660,483	2.871.064,892	37,452	36,991	70	74	59.042	24.746,288	216.161,210	8,735	8,275
21	25	98.180	75.635,940	2.794.404,409	36,945	36,485	71	75	56.053	23.203,324	191.414,922	8,249	7,789
22	26	98.079	74.625,223	2.718.768,469	36,432	35,972	72	76	52.880	21.619,729	168.211,598	7,780	7,320
23	27	97.978	73.627,735	2.644.143,246	35,912	35,452	73	77	49.542	20.004,723	146.591,869	7,328	6,867
24	28	97.877	72.643,674	2.570.515,511	35,385	34,925	74	78	46.071	18.373,618	126.587,146	6,890	6,429
25	29	97.776	71.673,500	2.497.871,837	34,851	34,390	75	79	42.480	16.732,342	108.213,528	6,467	6,007
26	30	97.676	70.716,157	2.426.198,337	34,309	33,849	76	80	38.812	15.098,661	91.481,186	6,059	5,599
27	31	97.575	69.770,317	2.355.482,179	33,761	33,300	77	81	35.079	13.478,144	76.382,525	5,667	5,207
28	32	97.470	68.835,078	2.285.711,862	33,206	32,745	78	82	31.311	11.881,681	62.904,381	5,294	4,834
29	33	97.364	67.911,135	2.216.876,784	32,644	32,183	79	83	27.509	10.310,316	51.022,700	4,949	4,488
30	34	97.256	66.998,768	2.148.965,649	32,075	31,614	80	84	23.837	8.823,806	40.712,384	4,614	4,154
31	35	97.140	66.092,281	2.081.966,881	31,501	31,041	81	85	20.293	7.418,901	31.888,578	4,298	3,838
32	36	97.013	65.191,387	2.015.874,600	30,922	30,462	82	86	17.009	6.141,746	24.469,677	3,984	3,524
33	37	96.879	64.297,428	1.950.683,212	30,338	29,878	83	87	13.859	4.942,421	18.327,931	3,708	3,248
34	38	96.735	63.409,020	1.886.385,784	29,749	29,289	84	88	10.980	3.867,235	13.385,510	3,461	3,001
35	39	96.575	62.522,613	1.822.976,765	29,157	28,697	85	89	8.484	2.951,362	9.518,275	3,225	2,765
36	40	96.396	61.636,742	1.760.454,152	28,562	28,101	86	90	6.387	2.194,339	6.566,913	2,993	2,532
37	41	96.204	60.754,174	1.698.817,410	27,962	27,502	87	91	4.635	1.572,828	4.372,574	2,780	2,320
38	42	95.993	59.872,387	1.638.063,236	27,359	26,899	88	92	3.201	1.072,737	2.799,746	2,610	2,150
39	43	95.753	58.985,325	1.578.190,849	26,756	26,295	89	93	2.122	702,552	1.727,008	2,458	1,998
40	44	95.481	58.091,818	1.519.205,524	26,152	25,691	90	94	1.351	441,643	1.024,457	2,320	1,859
41	45	95.184	57.196,097	1.461.113,705	25,546	25,085	91	95	824	266,085	582,813	2,190	1,730
42	46	94.852	56.293,236	1.403.917,608	24,939	24,479	92	96	478	152,533	316,729	2,076	1,616
43	47	94.473	55.376,000	1.347.624,372	24,336	23,876	93	97	264	83,200	164,196	1,973	1,513
44	48	94.056	54.450,859	1.292.248,372	23,732	23,272	94	98	138	43,074	80,995	1,880	1,420
45	49	93.605	53.520,646	1.237.797,513	23,127	22,667	95	99	69	21,113	37,921	1,796	1,336
46	50	93.092	52.570,416	1.184.276,867	22,527	22,067	96	100	32	9,773	16,808	1,720	1,259
47	51	92.542	51.614,423	1.131.706,451	21,926	21,466	97	101	14	4,262	7,035	1,651	1,190
48	52	91.939	50.645,099	1.080.092,028	21,327	20,866	98	102	6	1,746	2,773	1,588	1,128
49	53	91.287	49.665,044	1.029.446,928	20,728	20,267	99	103	2	0,671	1,027	1,531	1,071
							100	104	1	0,241	0,356	1,480	1,020

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -5 Jahre

Zinsfuß 1,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	5	99.535	99.534,992	4.612.702,425	46,343	45,882	50	55	90.275	48.508,233	962.014,523	19,832	19,372
1	6	99.068	97.844,870	4.513.167,433	46,126	45,665	51	56	89.487	47.491,432	913.506,290	19,235	18,775
2	7	99.019	96.588,967	4.415.322,563	45,712	45,252	52	57	88.666	46.474,777	866.014,858	18,634	18,174
3	8	98.990	95.368,998	4.318.733,595	45,284	44,824	53	58	87.753	45.428,153	819.540,081	18,040	17,580
4	9	98.963	94.165,380	4.223.364,597	44,851	44,390	54	59	86.781	44.370,587	774.111,928	17,447	16,986
5	10	98.943	92.984,364	4.129.199,217	44,407	43,947	55	60	85.754	43.303,970	729.741,341	16,852	16,391
6	11	98.921	91.816,111	4.036.214,853	43,960	43,499	56	61	84.644	42.215,556	686.437,371	16,260	15,800
7	12	98.900	90.663,507	3.944.398,741	43,506	43,046	57	62	83.508	41.135,062	644.221,815	15,661	15,201
8	13	98.880	89.525,544	3.853.735,234	43,046	42,586	58	63	82.265	40.022,232	603.086,753	15,069	14,608
9	14	98.858	88.401,211	3.764.209,691	42,581	42,121	59	64	80.926	38.885,124	563.064,521	14,480	14,020
10	15	98.838	87.291,494	3.675.808,480	42,110	41,649	60	65	79.490	37.723,481	524.179,397	13,895	13,435
11	16	98.811	86.190,318	3.588.516,986	41,635	41,174	61	66	77.953	36.537,427	486.455,916	13,314	12,854
12	17	98.775	85.095,917	3.502.326,668	41,157	40,697	62	67	76.320	35.330,013	449.918,489	12,735	12,274
13	18	98.741	84.015,885	3.417.230,751	40,674	40,213	63	68	74.526	34.073,909	414.588,476	12,167	11,707
14	19	98.700	82.944,032	3.333.214,866	40,186	39,726	64	69	72.609	32.787,574	380.514,567	11,605	11,145
15	20	98.654	81.882,214	3.250.270,834	39,694	39,234	65	70	70.552	31.465,107	347.726,993	11,051	10,591
16	21	98.600	80.826,708	3.168.388,621	39,200	38,739	66	71	68.331	30.098,427	316.261,886	10,508	10,047
17	22	98.538	79.778,747	3.087.561,913	38,702	38,241	67	72	65.937	28.685,312	286.163,459	9,976	9,516
18	23	98.461	78.732,565	3.007.783,166	38,203	37,742	68	73	63.361	27.224,471	257.478,148	9,458	8,997
19	24	98.361	77.681,304	2.929.050,600	37,706	37,246	69	74	60.603	25.717,900	230.253,676	8,953	8,493
20	25	98.255	76.639,656	2.851.369,296	37,205	36,744	70	75	57.698	24.183,020	204.535,777	8,458	7,997
21	26	98.156	75.617,329	2.774.729,641	36,694	36,234	71	76	54.600	22.601,719	180.352,757	7,980	7,519
22	27	98.052	74.604,331	2.699.112,312	36,179	35,719	72	77	51.349	20.993,874	157.751,038	7,514	7,054
23	28	97.949	73.606,278	2.624.507,981	35,656	35,196	73	78	47.930	19.353,919	136.757,164	7,066	6,606
24	29	97.847	72.622,112	2.550.901,703	35,126	34,665	74	79	44.363	17.692,653	117.403,245	6,636	6,175
25	30	97.748	71.652,521	2.478.279,591	34,587	34,127	75	80	40.693	16.028,477	99.710,592	6,221	5,760
26	31	97.644	70.693,004	2.406.627,071	34,043	33,583	76	81	36.921	14.363,139	83.682,115	5,826	5,366
27	32	97.540	69.745,395	2.335.934,067	33,492	33,032	77	82	33.124	12.726,819	69.318,975	5,447	4,986
28	33	97.435	68.810,602	2.266.188,672	32,934	32,473	78	83	29.287	11.113,838	56.592,156	5,092	4,632
29	34	97.325	67.883,999	2.197.378,070	32,370	31,909	79	84	25.538	9.571,501	45.478,318	4,751	4,291
30	35	97.211	66.967,358	2.129.494,071	31,799	31,339	80	85	21.922	8.114,711	35.906,818	4,425	3,965
31	36	97.090	66.058,445	2.062.526,713	31,223	30,762	81	86	18.531	6.774,757	27.792,106	4,102	3,642
32	37	96.958	65.154,524	1.996.468,269	30,642	30,182	82	87	15.294	5.522,570	21.017,349	3,806	3,345
33	38	96.820	64.258,000	1.931.313,744	30,056	29,595	83	88	12.225	4.359,820	15.494,779	3,554	3,094
34	39	96.667	63.364,664	1.867.055,745	29,465	29,005	84	89	9.535	3.358,589	11.134,959	3,315	2,855
35	40	96.497	62.472,578	1.803.691,080	28,872	28,411	85	90	7.226	2.513,897	7.776,370	3,093	2,633
36	41	96.313	61.583,119	1.741.218,502	28,274	27,814	86	91	5.343	1.835,648	5.262,473	2,867	2,406
37	42	96.109	60.694,119	1.679.635,383	27,674	27,213	87	92	3.766	1.278,080	3.426,825	2,681	2,221
38	43	95.885	59.805,051	1.618.941,264	27,070	26,610	88	93	2.543	852,408	2.148,745	2,521	2,060
39	44	95.628	58.908,761	1.559.136,213	26,467	26,007	89	94	1.647	545,186	1.296,337	2,378	1,917
40	45	95.348	58.010,954	1.500.227,453	25,861	25,401	90	95	1.022	334,262	751,150	2,247	1,787
41	46	95.033	57.105,384	1.442.216,498	25,255	24,795	91	96	608	196,164	416,889	2,125	1,665
42	47	94.682	56.192,134	1.385.111,115	24,650	24,189	92	97	343	109,391	220,725	2,018	1,557
43	48	94.289	55.268,314	1.328.918,980	24,045	23,584	93	98	184	57,970	111,333	1,921	1,460
44	49	93.857	54.335,427	1.273.650,667	23,441	22,980	94	99	94	29,119	53,364	1,833	1,372
45	50	93.379	53.391,836	1.219.315,240	22,837	22,377	95	100	45	13,831	24,245	1,753	1,293
46	51	92.857	52.437,590	1.165.923,403	22,234	21,774	96	101	20	6,196	10,414	1,681	1,220
47	52	92.285	51.471,077	1.113.485,813	21,633	21,173	97	102	9	2,611	4,218	1,616	1,155
48	53	91.661	50.491,989	1.062.014,736	21,033	20,573	98	103	3	1,033	1,607	1,556	1,096
49	54	90.998	49.508,224	1.011.522,747	20,431	19,971	99	104	1	0,382	0,575	1,503	1,042
							100	105	0	0,132	0,192	1,454	0,993

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -6 Jahre

Zinsfuß 1,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	6	99.522	99.521,980	4.591.520,779	46,136	45,675	50	56	89.933	48.324,539	943.237,892	19,519	19,058
1	7	99.059	97.835,854	4.491.998,798	45,914	45,453	51	57	89.128	47.300,767	894.913,353	18,920	18,459
2	8	99.010	96.580,555	4.394.162,944	45,497	45,037	52	58	88.271	46.267,356	847.612,585	18,320	17,859
3	9	98.981	95.359,844	4.297.582,389	45,067	44,607	53	59	87.330	45.209,387	801.345,229	17,725	17,265
4	10	98.956	94.159,296	4.202.222,545	44,629	44,168	54	60	86.340	44.145,017	756.135,842	17,128	16,668
5	11	98.935	92.976,545	4.108.063,249	44,184	43,723	55	61	85.282	43.065,614	711.990,825	16,533	16,072
6	12	98.912	91.807,501	4.015.086,704	43,734	43,273	56	62	84.167	41.977,994	668.925,211	15,935	15,475
7	13	98.892	90.655,807	3.923.279,203	43,277	42,816	57	63	82.983	40.876,203	626.947,217	15,338	14,877
8	14	98.870	89.516,870	3.832.623,396	42,815	42,354	58	64	81.705	39.750,007	586.071,013	14,744	14,284
9	15	98.847	88.390,910	3.743.106,527	42,347	41,887	59	65	80.335	38.600,764	546.321,006	14,153	13,693
10	16	98.820	87.275,898	3.654.715,617	41,875	41,415	60	66	78.841	37.415,380	507.720,242	13,570	13,109
11	17	98.790	86.172,065	3.567.439,719	41,399	40,939	61	67	77.247	36.206,522	470.304,862	12,990	12,529
12	18	98.754	85.077,194	3.481.267,654	40,919	40,459	62	68	75.544	34.970,883	434.098,340	12,413	11,953
13	19	98.712	83.991,723	3.396.190,460	40,435	39,974	63	69	73.674	33.684,187	399.127,457	11,849	11,389
14	20	98.672	82.921,039	3.312.198,738	39,944	39,484	64	70	71.683	32.369,265	365.443,270	11,290	10,829
15	21	98.623	81.856,351	3.229.277,698	39,451	38,990	65	71	69.549	31.017,876	333.074,005	10,738	10,278
16	22	98.576	80.806,932	3.147.421,348	38,950	38,490	66	72	67.223	29.610,463	302.056,129	10,201	9,741
17	23	98.511	79.757,148	3.066.614,416	38,449	37,989	67	73	64.748	28.168,141	272.445,666	9,672	9,212
18	24	98.435	78.712,024	2.986.857,268	37,947	37,486	68	74	62.070	26.669,844	244.277,525	9,159	8,699
19	25	98.334	77.660,200	2.908.145,244	37,447	36,987	69	75	59.223	25.132,516	217.607,681	8,658	8,198
20	26	98.231	76.620,797	2.830.485,045	36,941	36,481	70	76	56.202	23.556,014	192.475,164	8,171	7,711
21	27	98.129	75.596,159	2.753.864,247	36,429	35,968	71	77	53.019	21.947,437	168.919,150	7,697	7,236
22	28	98.023	74.582,589	2.678.268,088	35,910	35,450	72	78	49.679	20.310,890	146.971,714	7,236	6,776
23	29	97.920	73.584,430	2.603.685,500	35,384	34,923	73	79	46.153	18.636,622	126.660,824	6,796	6,336
24	30	97.819	72.600,855	2.530.101,070	34,849	34,389	74	80	42.497	16.948,391	108.024,202	6,374	5,913
25	31	97.716	71.629,060	2.457.500,215	34,309	33,848	75	81	38.711	15.247,660	91.075,810	5,973	5,513
26	32	97.610	70.667,752	2.385.871,155	33,762	33,301	76	82	34.863	13.562,482	75.828,150	5,591	5,131
27	33	97.505	69.720,595	2.315.203,403	33,207	32,746	77	83	30.983	11.904,360	62.265,668	5,230	4,770
28	34	97.396	68.783,107	2.245.482,808	32,646	32,185	78	84	27.188	10.317,443	50.361,308	4,881	4,421
29	35	97.279	67.852,174	2.176.699,701	32,080	31,620	79	85	23.486	8.802,320	40.043,865	4,549	4,089
30	36	97.161	66.933,074	2.108.847,528	31,507	31,046	80	86	20.018	7.410,155	31.241,545	4,216	3,756
31	37	97.035	66.021,091	2.041.914,454	30,928	30,468	81	87	16.663	6.091,764	23.831,390	3,912	3,452
32	38	96.899	65.114,570	1.975.893,363	30,345	29,884	82	88	13.492	4.871,582	17.739,626	3,641	3,181
33	39	96.752	64.213,051	1.910.778,792	29,757	29,296	83	89	10.617	3.786,386	12.868,044	3,399	2,938
34	40	96.590	63.313,956	1.846.565,742	29,165	28,705	84	90	8.122	2.860,763	9.081,658	3,175	2,714
35	41	96.413	62.418,228	1.783.251,786	28,569	28,109	85	91	6.045	2.102,971	6.220,896	2,958	2,498
36	42	96.217	61.522,245	1.720.833,558	27,971	27,511	86	92	4.341	1.491,648	4.117,925	2,761	2,300
37	43	96.001	60.625,858	1.659.311,313	27,370	26,909	87	93	2.993	1.015,575	2.626,277	2,586	2,126
38	44	95.760	59.727,422	1.598.685,455	26,766	26,306	88	94	1.974	661,476	1.610,702	2,435	1,975
39	45	95.495	58.826,759	1.538.958,032	26,161	25,700	89	95	1.247	412,630	949,226	2,300	1,840
40	46	95.197	57.918,948	1.480.131,273	25,555	25,095	90	96	754	246,426	536,596	2,178	1,717
41	47	94.862	57.002,823	1.422.212,325	24,950	24,489	91	97	436	140,682	290,170	2,063	1,602
42	48	94.498	56.082,861	1.365.209,501	24,343	23,882	92	98	239	76,218	149,489	1,961	1,501
43	49	94.089	55.151,148	1.309.126,641	23,737	23,277	93	99	124	39,189	73,271	1,870	1,409
44	50	93.631	54.204,657	1.253.975,492	23,134	22,674	94	100	61	19,075	34,082	1,787	1,326
45	51	93.144	53.256,935	1.199.770,835	22,528	22,068	95	101	29	8,768	15,006	1,712	1,251
46	52	92.599	52.291,958	1.146.513,900	21,925	21,465	96	102	13	3,796	6,239	1,643	1,183
47	53	92.006	51.315,470	1.094.221,942	21,323	20,863	97	103	5	1,544	2,442	1,582	1,121
48	54	91.371	50.332,558	1.042.906,473	20,720	20,260	98	104	2	0,589	0,898	1,526	1,065
49	55	90.682	49.336,023	992.573,914	20,119	19,658	99	105	1	0,210	0,309	1,475	1,014
							100	106					

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -7 Jahre

Zinsfuß 1,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	7	99.513	99.512,810	4.569.123,532	45,915	45,455	50	57	89.572	48.130,530	923.454,044	19,186	18,726
1	8	99.050	97.827,334	4.469.610,722	45,689	45,228	51	58	88.730	47.089,660	875.323,515	18,588	18,128
2	9	99.001	96.571,285	4.371.783,389	45,270	44,810	52	59	87.846	46.044,549	828.233,855	17,988	17,527
3	10	98.974	95.353,682	4.275.212,104	44,835	44,375	53	60	86.886	44.979,553	782.189,305	17,390	16,929
4	11	98.948	94.151,378	4.179.858,422	44,395	43,935	54	61	85.865	43.902,031	737.209,752	16,792	16,332
5	12	98.925	92.967,826	4.085.707,045	43,948	43,487	55	62	84.802	42.823,269	693.307,721	16,190	15,730
6	13	98.903	91.799,704	3.992.739,219	43,494	43,034	56	63	83.638	41.713,831	650.484,453	15,594	15,134
7	14	98.882	90.647,023	3.900.939,515	43,034	42,574	57	64	82.418	40.598,170	608.770,621	14,995	14,535
8	15	98.859	89.506,439	3.810.292,492	42,570	42,110	58	65	81.108	39.459,323	568.172,451	14,399	13,939
9	16	98.829	88.375,117	3.720.786,053	42,102	41,642	59	66	79.679	38.285,497	528.713,128	13,810	13,349
10	17	98.799	87.257,415	3.632.410,936	41,629	41,168	60	67	78.127	37.076,524	490.427,631	13,227	12,767
11	18	98.768	86.153,105	3.545.153,521	41,149	40,689	61	68	76.462	35.838,483	453.351,107	12,650	12,189
12	19	98.725	85.052,726	3.459.000,416	40,669	40,209	62	69	74.680	34.570,902	417.512,624	12,077	11,617
13	20	98.685	83.968,440	3.373.947,689	40,181	39,721	63	70	72.734	33.254,438	382.941,722	11,516	11,055
14	21	98.641	82.894,848	3.289.979,250	39,689	39,228	64	71	70.664	31.909,183	349.687,285	10,959	10,498
15	22	98.599	81.836,323	3.207.084,402	39,189	38,729	65	72	68.421	30.515,006	317.778,102	10,414	9,953
16	23	98.549	80.785,054	3.125.248,079	38,686	38,226	66	73	66.011	29.076,612	287.263,095	9,880	9,419
17	24	98.485	79.736,339	3.044.463,025	38,182	37,721	67	74	63.429	27.594,290	258.186,483	9,357	8,896
18	25	98.409	78.690,639	2.964.726,686	37,676	37,215	68	75	60.657	26.062,793	230.592,194	8,848	8,387
19	26	98.310	77.641,090	2.886.036,047	37,172	36,711	69	76	57.688	24.480,892	204.529,400	8,355	7,894
20	27	98.203	76.599,347	2.808.394,957	36,663	36,203	70	77	54.575	22.874,106	180.048,508	7,871	7,411
21	28	98.100	75.574,128	2.731.795,610	36,147	35,687	71	78	51.294	21.233,431	157.174,402	7,402	6,942
22	29	97.994	74.560,451	2.656.221,482	35,625	35,165	72	79	47.838	19.558,126	135.940,970	6,951	6,490
23	30	97.891	73.562,891	2.581.661,031	35,095	34,634	73	80	44.212	17.852,651	116.382,845	6,519	6,059
24	31	97.787	72.577,084	2.508.098,140	34,558	34,097	74	81	40.427	16.122,761	98.530,194	6,111	5,651
25	32	97.681	71.603,474	2.435.521,056	34,014	33,554	75	82	36.553	14.397,696	82.407,432	5,724	5,263
26	33	97.575	70.642,624	2.363.917,582	33,463	33,003	76	83	32.610	12.686,018	68.009,736	5,361	4,901
27	34	97.466	69.692,736	2.293.274,958	32,906	32,445	77	84	28.763	11.051,318	55.323,718	5,006	4,546
28	35	97.351	68.750,860	2.223.582,222	32,343	31,882	78	85	25.004	9.488,318	44.272,400	4,666	4,206
29	36	97.229	67.817,436	2.154.831,362	31,774	31,314	79	86	21.447	8.038,062	34.784,082	4,327	3,867
30	37	97.106	66.895,226	2.087.013,926	31,198	30,738	80	87	18.000	6.663,104	26.746,020	4,014	3,554
31	38	96.976	65.980,606	2.020.118,700	30,617	30,156	81	88	14.698	5.373,681	20.082,916	3,737	3,277
32	39	96.831	65.069,022	1.954.138,094	30,032	29,571	82	89	11.717	4.230,837	14.709,235	3,477	3,016
33	40	96.674	64.161,663	1.889.069,072	29,442	28,982	83	90	9.044	3.225,149	10.478,397	3,249	2,789
34	41	96.506	63.258,874	1.824.907,409	28,848	28,388	84	91	6.794	2.393,137	7.253,248	3,031	2,570
35	42	96.318	62.356,529	1.761.648,535	28,251	27,791	85	92	4.912	1.708,874	4.860,111	2,844	2,384
36	43	96.109	61.453,052	1.699.292,007	27,652	27,191	86	93	3.450	1.185,278	3.151,237	2,659	2,198
37	44	95.876	60.547,165	1.637.838,954	27,051	26,590	87	94	2.322	788,096	1.965,958	2,495	2,034
38	45	95.627	59.644,281	1.577.291,790	26,445	25,985	88	95	1.494	500,645	1.177,863	2,353	1,892
39	46	95.344	58.733,460	1.517.647,508	25,840	25,379	89	96	919	304,200	677,218	2,226	1,766
40	47	95.026	57.814,927	1.458.914,049	25,234	24,774	90	97	541	176,728	373,018	2,111	1,650
41	48	94.678	56.891,973	1.401.099,122	24,627	24,167	91	98	304	98,019	196,290	2,003	1,542
42	49	94.297	55.963,969	1.344.207,148	24,019	23,559	92	99	162	51,525	98,271	1,907	1,447
43	50	93.863	55.018,415	1.288.243,180	23,415	22,954	93	100	82	25,672	46,745	1,821	1,361
44	51	93.394	54.067,702	1.233.224,765	22,809	22,349	94	101	39	12,093	21,074	1,743	1,282
45	52	92.885	53.109,028	1.179.157,063	22,203	21,742	95	102	17	5,372	8,981	1,672	1,211
46	53	92.319	52.133,869	1.126.048,036	21,599	21,139	96	103	7	2,245	3,609	1,608	1,147
47	54	91.715	51.153,439	1.073.914,167	20,994	20,534	97	104	3	0,880	1,364	1,549	1,089
48	55	91.054	50.157,490	1.022.760,728	20,391	19,931	98	105	1	0,323	0,483	1,496	1,036
49	56	90.339	49.149,194	972.603,238	19,789	19,328	99	106					
							100	107					

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -8 Jahre

Zinsfuß 1,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	8	99.504	99.504,143	4.545.496,379	45,681	45,221	50	58	89.172	47.915,719	902.666,060	18,839	18,378
1	9	99.041	97.817,943	4.445.992,236	45,452	44,991	51	59	88.303	46.862,894	854.750,341	18,239	17,779
2	10	98.994	96.565,044	4.348.174,293	45,028	44,568	52	60	87.399	45.810,469	807.887,447	17,635	17,175
3	11	98.966	95.345,663	4.251.609,249	44,592	44,131	53	61	86.408	44.731,974	762.076,978	17,037	16,576
4	12	98.939	94.142,548	4.156.263,585	44,149	43,688	54	62	85.382	43.654,979	717.345,005	16,432	15,972
5	13	98.917	92.959,930	4.062.121,037	43,698	43,237	55	63	84.268	42.553,786	673.690,025	15,831	15,371
6	14	98.894	91.790,809	3.969.161,107	43,241	42,781	56	64	83.069	41.430,100	631.136,239	15,234	14,773
7	15	98.871	90.636,461	3.877.370,298	42,779	42,319	57	65	81.816	40.301,283	589.706,139	14,632	14,172
8	16	98.841	89.490,447	3.786.733,837	42,314	41,854	58	66	80.445	39.137,044	549.404,855	14,038	13,578
9	17	98.808	88.356,401	3.697.243,391	41,845	41,384	59	67	78.957	37.938,761	510.267,812	13,450	12,989
10	18	98.777	87.238,217	3.608.886,989	41,368	40,908	60	68	77.333	36.699,642	472.329,050	12,870	12,410
11	19	98.740	86.128,328	3.521.648,773	40,888	40,428	61	69	75.588	35.428,578	435.629,409	12,296	11,836
12	20	98.698	85.029,149	3.435.520,444	40,404	39,944	62	70	73.727	34.129,840	400.200,831	11,726	11,265
13	21	98.654	83.941,918	3.350.491,295	39,914	39,454	63	71	71.700	32.781,775	366.070,991	11,167	10,707
14	22	98.617	82.874,566	3.266.549,377	39,416	38,955	64	72	69.518	31.391,863	333.289,216	10,617	10,157
15	23	98.572	81.814,166	3.183.674,811	38,913	38,453	65	73	67.188	29.964,848	301.897,354	10,075	9,615
16	24	98.523	80.763,977	3.101.860,644	38,406	37,946	66	74	64.666	28.484,253	271.932,506	9,547	9,086
17	25	98.459	79.714,676	3.021.096,668	37,899	37,438	67	75	61.985	26.966,196	243.448,253	9,028	8,568
18	26	98.385	78.671,276	2.941.381,991	37,388	36,928	68	76	59.085	25.387,049	216.482,057	8,527	8,067
19	27	98.282	77.619,354	2.862.710,715	36,881	36,421	69	77	56.018	23.772,211	191.095,007	8,039	7,578
20	28	98.175	76.577,023	2.785.091,362	36,370	35,909	70	78	52.800	22.129,954	167.322,796	7,561	7,101
21	29	98.071	75.551,696	2.708.514,338	35,850	35,389	71	79	49.393	20.446,475	145.192,842	7,101	6,641
22	30	97.965	74.538,627	2.632.962,643	35,323	34,863	72	80	45.825	18.735,391	124.746,367	6,658	6,198
23	31	97.859	73.538,805	2.558.424,016	34,790	34,330	73	81	42.058	16.982,971	106.010,976	6,242	5,782
24	32	97.752	72.551,159	2.484.885,211	34,250	33,790	74	82	38.173	15.224,016	89.028,005	5,848	5,387
25	33	97.646	71.578,013	2.412.334,052	33,702	33,242	75	83	34.191	13.467,258	73.803,989	5,480	5,020
26	34	97.536	70.614,397	2.340.756,039	33,148	32,688	76	84	30.273	11.776,965	60.336,732	5,123	4,663
27	35	97.420	69.660,063	2.270.141,642	32,589	32,128	77	85	26.451	10.163,217	48.559,767	4,778	4,318
28	36	97.301	68.715,663	2.200.481,579	32,023	31,563	78	86	22.833	8.664,498	38.396,550	4,431	3,971
29	37	97.174	67.779,088	2.131.765,916	31,452	30,991	79	87	19.284	7.227,709	29.732,052	4,114	3,653
30	38	97.046	66.854,204	2.063.986,828	30,873	30,413	80	88	15.878	5.877,673	22.504,342	3,829	3,368
31	39	96.908	65.934,451	1.997.132,624	30,290	29,829	81	89	12.765	4.666,897	16.626,669	3,563	3,102
32	40	96.754	65.016,950	1.931.198,172	29,703	29,243	82	90	9.980	3.603,722	11.959,773	3,319	2,858
33	41	96.590	64.105,844	1.866.181,223	29,111	28,651	83	91	7.565	2.697,960	8.356,050	3,097	2,637
34	42	96.410	63.196,343	1.802.075,379	28,516	28,055	84	92	5.521	1.944,663	5.658,090	2,910	2,449
35	43	96.210	62.286,398	1.738.879,036	27,917	27,457	85	93	3.903	1.357,889	3.713,427	2,735	2,274
36	44	95.984	61.373,285	1.676.592,638	27,318	26,858	86	94	2.677	919,787	2.355,538	2,561	2,101
37	45	95.743	60.462,883	1.615.219,353	26,714	26,254	87	95	1.758	596,478	1.435,751	2,407	1,947
38	46	95.475	59.549,685	1.554.756,470	26,109	25,648	88	96	1.101	369,087	839,274	2,274	1,814
39	47	95.172	58.627,975	1.495.206,785	25,503	25,043	89	97	659	218,162	470,187	2,155	1,695
40	48	94.841	57.702,497	1.436.578,809	24,896	24,436	90	98	377	123,134	252,025	2,047	1,586
41	49	94.477	56.771,366	1.378.876,312	24,288	23,828	91	99	205	66,264	128,891	1,945	1,485
42	50	94.070	55.829,279	1.322.104,946	23,681	23,221	92	100	106	33,753	62,627	1,855	1,395
43	51	93.626	54.879,404	1.266.275,667	23,074	22,613	93	101	52	16,275	28,874	1,774	1,314
44	52	93.135	53.917,543	1.211.396,264	22,468	22,007	94	102	24	7,409	12,600	1,701	1,240
45	53	92.604	52.948,468	1.157.478,721	21,860	21,400	95	103	10	3,177	5,190	1,634	1,173
46	54	92.028	51.969,254	1.104.530,253	21,254	20,793	96	104	4	1,280	2,013	1,573	1,113
47	55	91.396	50.975,515	1.052.560,999	20,648	20,188	97	105	2	0,483	0,733	1,518	1,058
48	56	90.709	49.967,550	1.001.585,484	20,045	19,584	98	106					
49	57	89.976	48.951,874	951.617,934	19,440	18,979	99	107					
							100	108					

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -9 Jahre

Zinsfuß 1,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	9	99.495	99.494,592	4.520.633,155	45,436	44,976	50	59	88.743	47.684,974	880.892,680	18,473	18,013
1	10	99.034	97.811,622	4.421.138,563	45,201	44,740	51	60	87.854	46.624,653	833.207,705	17,871	17,410
2	11	98.986	96.556,924	4.323.326,941	44,775	44,315	52	61	86.918	45.558,317	786.583,052	17,265	16,805
3	12	98.957	95.336,722	4.226.770,017	44,335	43,875	53	62	85.922	44.480,251	741.024,736	16,660	16,199
4	13	98.930	94.134,553	4.131.433,295	43,889	43,428	54	63	84.845	43.380,263	696.544,484	16,057	15,596
5	14	98.907	92.950,923	4.037.298,742	43,435	42,974	55	64	83.695	42.264,342	653.164,221	15,454	14,994
6	15	98.882	91.780,113	3.944.347,819	42,976	42,516	56	65	82.461	41.127,130	610.899,879	14,854	14,394
7	16	98.853	90.620,267	3.852.567,705	42,513	42,053	57	66	81.147	39.972,128	569.772,749	14,254	13,794
8	17	98.820	89.471,495	3.761.947,439	42,046	41,586	58	67	79.717	38.782,596	529.800,622	13,661	13,200
9	18	98.787	88.336,961	3.672.475,944	41,573	41,113	59	68	78.154	37.553,114	491.018,026	13,075	12,615
10	19	98.749	87.213,128	3.584.138,983	41,096	40,636	60	69	76.448	36.279,887	453.464,912	12,499	12,039
11	20	98.712	86.104,453	3.496.925,855	40,613	40,152	61	70	74.623	34.976,574	417.185,025	11,928	11,467
12	21	98.667	85.002,292	3.410.821,402	40,126	39,666	62	71	72.679	33.644,734	382.208,451	11,360	10,900
13	22	98.630	83.921,380	3.325.819,110	39,630	39,170	63	72	70.538	32.250,308	348.563,717	10,808	10,348
14	23	98.590	82.852,129	3.241.897,730	39,129	38,668	64	73	68.265	30.825,895	316.313,409	10,261	9,801
15	24	98.546	81.792,820	3.159.045,601	38,623	38,162	65	74	65.819	29.354,393	285.487,514	9,726	9,265
16	25	98.496	80.742,035	3.077.252,781	38,112	37,652	66	75	63.194	27.835,903	256.133,121	9,202	8,741
17	26	98.434	79.695,061	2.996.510,746	37,600	37,139	67	76	60.378	26.267,029	228.297,218	8,691	8,231
18	27	98.357	78.649,251	2.916.815,685	37,086	36,626	68	77	57.374	24.652,136	202.030,189	8,195	7,735
19	28	98.254	77.596,733	2.838.166,433	36,576	36,115	69	78	54.195	22.998,841	177.378,053	7,712	7,252
20	29	98.145	76.554,293	2.760.569,701	36,060	35,600	70	79	50.843	21.309,771	154.379,211	7,245	6,784
21	30	98.042	75.529,581	2.684.015,407	35,536	35,076	71	80	47.315	19.586,371	133.069,440	6,794	6,334
22	31	97.933	74.514,221	2.608.485,826	35,007	34,546	72	81	43.593	17.822,708	113.483,069	6,367	5,907
23	32	97.824	73.512,537	2.533.971,604	34,470	34,010	73	82	39.714	16.036,274	95.660,361	5,965	5,505
24	33	97.717	72.525,361	2.460.459,068	33,925	33,465	74	83	35.707	14.240,177	79.624,087	5,592	5,131
25	34	97.607	71.549,412	2.387.933,706	33,375	32,914	75	84	31.741	12.502,222	65.383,910	5,230	4,769
26	35	97.490	70.581,291	2.316.384,294	32,819	32,358	76	85	27.840	10.830,550	52.881,688	4,883	4,422
27	36	97.370	69.624,400	2.245.803,003	32,256	31,796	77	86	24.155	9.280,800	42.051,138	4,531	4,071
28	37	97.246	68.676,807	2.176.178,603	31,687	31,227	78	87	20.531	7.790,992	32.770,339	4,206	3,746
29	38	97.115	67.737,525	2.107.501,796	31,113	30,652	79	88	17.011	6.375,724	24.979,347	3,918	3,457
30	39	96.979	66.807,439	2.039.764,271	30,532	30,072	80	89	13.790	5.104,600	18.603,623	3,644	3,184
31	40	96.830	65.881,687	1.972.956,832	29,947	29,487	81	90	10.873	3.975,147	13.499,023	3,396	2,935
32	41	96.670	64.960,386	1.907.075,146	29,358	28,897	82	91	8.349	3.014,651	9.523,876	3,159	2,699
33	42	96.495	64.042,476	1.842.114,760	28,764	28,304	83	92	6.148	2.192,363	6.509,225	2,969	2,509
34	43	96.302	63.125,268	1.778.072,283	28,167	27,707	84	93	4.387	1.545,249	4.316,862	2,794	2,333
35	44	96.085	62.205,549	1.714.947,015	27,569	27,109	85	94	3.029	1.053,734	2.771,614	2,630	2,170
36	45	95.851	61.287,853	1.652.741,466	26,967	26,506	86	95	2.026	696,149	1.717,880	2,468	2,007
37	46	95.591	60.366,988	1.591.453,613	26,363	25,903	87	96	1.296	439,737	1.021,730	2,324	1,863
38	47	95.304	59.442,735	1.531.086,625	25,757	25,297	88	97	790	264,696	581,993	2,199	1,738
39	48	94.987	58.513,965	1.471.643,891	25,150	24,690	89	98	459	152,003	317,297	2,087	1,627
40	49	94.640	57.580,172	1.413.129,926	24,542	24,082	90	99	255	83,242	165,294	1,986	1,525
41	50	94.250	56.634,733	1.355.549,754	23,935	23,475	91	100	134	43,408	82,052	1,890	1,430
42	51	93.833	55.688,219	1.298.915,021	23,325	22,864	92	101	67	21,398	38,644	1,806	1,346
43	52	93.366	54.726,990	1.243.226,802	22,717	22,256	93	102	32	9,971	17,246	1,730	1,269
44	53	92.853	53.754,539	1.188.499,812	22,110	21,649	94	103	14	4,382	7,275	1,660	1,200
45	54	92.312	52.781,281	1.134.745,273	21,499	21,039	95	104	6	1,811	2,893	1,597	1,137
46	55	91.707	51.788,493	1.081.963,992	20,892	20,432	96	105	2	0,702	1,082	1,540	1,080
47	56	91.050	50.782,478	1.030.175,499	20,286	19,826	97	106					
48	57	90.345	49.766,944	979.393,021	19,680	19,219	98	107					
49	58	89.574	48.733,397	929.626,077	19,076	18,615	99	108					
							100	109					

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -10 Jahre

Zinsfuß 1,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	10	99.488	99.488,163	4.494.533,607	45,177	44,716	50	60	88.292	47.442,554	858.152,551	18,088	17,628
1	11	99.026	97.803,397	4.395.045,444	44,938	44,477	51	61	87.371	46.368,019	810.709,997	17,484	17,024
2	12	98.977	96.547,869	4.297.242,047	44,509	44,049	52	62	86.429	45.301,944	764.341,978	16,872	16,412
3	13	98.948	95.328,625	4.200.694,178	44,065	43,605	53	63	85.381	44.200,342	719.040,034	16,268	15,807
4	14	98.921	94.125,432	4.105.365,553	43,616	43,156	54	64	84.267	43.085,197	674.839,692	15,663	15,203
5	15	98.896	92.940,092	4.011.240,120	43,159	42,699	55	65	83.083	41.955,271	631.754,495	15,058	14,597
6	16	98.865	91.763,715	3.918.300,028	42,700	42,239	56	66	81.788	40.791,229	589.799,224	14,459	13,999
7	17	98.832	90.601,076	3.826.536,313	42,235	41,775	57	67	80.412	39.610,117	549.007,995	13,860	13,400
8	18	98.798	89.451,809	3.735.935,238	41,765	41,304	58	68	78.906	38.388,371	509.397,878	13,270	12,809
9	19	98.758	88.311,556	3.646.483,428	41,291	40,831	59	69	77.260	37.123,598	471.009,507	12,688	12,227
10	20	98.722	87.188,952	3.558.171,872	40,810	40,350	60	70	75.473	35.817,022	433.885,909	12,114	11,654
11	21	98.681	86.077,257	3.470.982,921	40,324	39,864	61	71	73.563	34.479,433	398.068,888	11,545	11,085
12	22	98.643	84.981,495	3.384.905,664	39,831	39,371	62	72	71.501	33.099,277	363.589,454	10,985	10,524
13	23	98.603	83.898,659	3.299.924,169	39,332	38,872	63	73	69.266	31.668,863	330.490,178	10,436	9,975
14	24	98.565	82.830,512	3.216.025,511	38,827	38,366	64	74	66.874	30.197,899	298.821,315	9,895	9,435
15	25	98.520	81.770,599	3.133.194,998	38,317	37,857	65	75	64.321	28.686,237	268.623,416	9,364	8,904
16	26	98.472	80.722,167	3.051.424,399	37,802	37,341	66	76	61.556	27.114,187	239.937,179	8,849	8,389
17	27	98.407	79.672,750	2.970.702,232	37,286	36,826	67	77	58.630	25.506,642	212.822,992	8,344	7,883
18	28	98.328	78.626,330	2.891.029,482	36,769	36,309	68	78	55.508	23.850,140	187.316,350	7,854	7,393
19	29	98.225	77.573,701	2.812.403,152	36,255	35,794	69	79	52.187	22.146,456	163.466,210	7,381	6,921
20	30	98.117	76.531,885	2.734.829,452	35,735	35,274	70	80	48.704	20.413,351	141.319,754	6,923	6,463
21	31	98.010	75.504,852	2.658.297,566	35,207	34,747	71	81	45.010	18.632,233	120.906,403	6,489	6,029
22	32	97.898	74.487,604	2.582.792,714	34,674	34,214	72	82	41.163	16.829,201	102.274,169	6,077	5,617
23	33	97.790	73.486,397	2.508.305,110	34,133	33,673	73	83	37.147	14.999,944	85.444,968	5,696	5,236
24	34	97.678	72.496,382	2.434.818,713	33,585	33,125	74	84	33.148	13.219,756	70.445,024	5,329	4,868
25	35	97.561	71.515,869	2.362.322,331	33,032	32,572	75	85	29.190	11.497,524	57.225,269	4,977	4,517
26	36	97.440	70.545,157	2.290.806,462	32,473	32,013	76	86	25.423	9.890,191	45.727,745	4,624	4,163
27	37	97.315	69.585,030	2.220.261,306	31,907	31,447	77	87	21.720	8.345,161	35.837,553	4,294	3,834
28	38	97.186	68.634,693	2.150.676,276	31,335	30,875	78	88	18.111	6.872,608	27.492,392	4,000	3,540
29	39	97.047	67.690,141	2.082.041,583	30,758	30,298	79	89	14.774	5.537,144	20.619,784	3,724	3,264
30	40	96.901	66.753,976	2.014.351,441	30,176	29,715	80	90	11.746	4.347,972	15.082,640	3,469	3,009
31	41	96.746	65.824,371	1.947.597,465	29,588	29,127	81	91	9.096	3.325,362	10.734,669	3,228	2,768
32	42	96.574	64.896,173	1.881.773,095	28,997	28,536	82	92	6.784	2.449,705	7.409,307	3,025	2,564
33	43	96.386	63.970,449	1.816.876,921	28,402	27,941	83	93	4.885	1.742,073	4.959,601	2,847	2,387
34	44	96.177	63.043,330	1.752.906,472	27,805	27,344	84	94	3.404	1.199,127	3.217,528	2,683	2,223
35	45	95.951	62.118,958	1.689.863,142	27,204	26,743	85	95	2.293	797,528	2.018,401	2,531	2,070
36	46	95.699	61.190,650	1.627.744,183	26,601	26,141	86	96	1.494	513,218	1.220,872	2,379	1,918
37	47	95.419	60.258,570	1.566.553,533	25,997	25,537	87	97	929	315,364	707,655	2,244	1,784
38	48	95.118	59.327,140	1.506.294,963	25,390	24,929	88	98	550	184,426	392,291	2,127	1,667
39	49	94.786	58.389,919	1.446.967,824	24,781	24,321	89	99	310	102,758	207,865	2,023	1,562
40	50	94.412	57.441,592	1.388.577,905	24,174	23,713	90	100	167	54,530	105,107	1,928	1,467
41	51	94.011	56.491,638	1.331.136,312	23,563	23,103	91	101	85	27,518	50,577	1,838	1,378
42	52	93.572	55.533,559	1.274.644,674	22,953	22,492	92	102	41	13,110	23,059	1,759	1,298
43	53	93.084	54.561,539	1.219.111,115	22,344	21,883	93	103	19	5,897	9,948	1,687	1,227
44	54	92.560	53.584,807	1.164.549,576	21,733	21,272	94	104	8	2,498	4,051	1,622	1,161
45	55	91.991	52.597,695	1.110.964,769	21,122	20,662	95	105	3	0,994	1,553	1,562	1,102
46	56	91.360	51.592,377	1.058.367,074	20,514	20,054	96	106					
47	57	90.685	50.578,600	1.006.774,697	19,905	19,445	97	107					
48	58	89.941	49.544,830	956.196,097	19,300	18,839	98	108					
49	59	89.143	48.498,715	906.651,266	18,694	18,234	99	109					
							100	110					

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -11 Jahre

Zinsfuß 1,25%

Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	11	99.480	99.479,797	4.467.197,693	44,906	44,445	50	61	87.806	47.181,419	834.464,549	17,686	17,226
1	12	99.017	97.794,225	4.367.717,897	44,662	44,202	51	62	86.879	46.107,090	787.283,131	17,075	16,615
2	13	98.968	96.539,669	4.269.923,672	44,230	43,769	52	63	85.885	45.016,864	741.176,041	16,464	16,004
3	14	98.939	95.319,389	4.173.384,002	43,783	43,323	53	64	84.800	43.899,698	696.159,177	15,858	15,398
4	15	98.909	94.114,464	4.078.064,613	43,331	42,871	54	65	83.651	42.770,123	652.259,479	15,250	14,790
5	16	98.878	92.923,486	3.983.950,149	42,873	42,413	55	66	82.405	41.612,607	609.489,356	14,647	14,186
6	17	98.844	91.744,282	3.891.026,663	42,412	41,951	56	67	81.047	40.421,800	567.876,749	14,049	13,588
7	18	98.810	90.581,142	3.799.282,381	41,943	41,483	57	68	79.595	39.207,480	527.454,949	13,453	12,993
8	19	98.770	89.426,084	3.708.701,239	41,472	41,012	58	69	78.004	37.949,301	488.247,469	12,866	12,405
9	20	98.731	88.287,076	3.619.275,156	40,994	40,534	59	70	76.275	36.649,968	450.298,168	12,286	11,826
10	21	98.690	87.161,412	3.530.988,080	40,511	40,051	60	71	74.400	35.307,935	413.648,200	11,715	11,255
11	22	98.657	86.056,196	3.443.826,668	40,018	39,558	61	72	72.370	33.920,443	378.340,265	11,154	10,693
12	23	98.616	84.958,487	3.357.770,472	39,522	39,062	62	73	70.212	32.502,526	344.419,822	10,597	10,136
13	24	98.577	83.876,769	3.272.811,985	39,019	38,559	63	74	67.855	31.023,694	311.917,295	10,054	9,594
14	25	98.538	82.808,009	3.188.935,216	38,510	38,050	64	75	65.352	29.510,543	280.893,602	9,518	9,058
15	26	98.495	81.750,478	3.106.127,207	37,995	37,535	65	76	62.653	27.942,474	251.383,059	8,996	8,536
16	27	98.445	80.699,568	3.024.376,729	37,477	37,017	66	77	59.774	26.329,276	223.440,585	8,486	8,026
17	28	98.378	79.649,531	2.943.677,160	36,958	36,497	67	78	56.723	24.676,847	197.111,309	7,988	7,527
18	29	98.299	78.602,992	2.864.027,630	36,437	35,976	68	79	53.450	22.966,204	172.434,462	7,508	7,048
19	30	98.196	77.550,994	2.785.424,638	35,917	35,457	69	80	49.992	21.214,840	149.468,258	7,045	6,585
20	31	98.085	76.506,828	2.707.873,643	35,394	34,933	70	81	46.332	19.418,928	128.253,419	6,605	6,144
21	32	97.975	75.477,881	2.631.366,816	34,863	34,402	71	82	42.501	17.593,600	108.834,491	6,186	5,726
22	33	97.863	74.461,118	2.555.888,935	34,325	33,865	72	83	38.503	15.741,629	91.240,890	5,796	5,336
23	34	97.751	73.457,034	2.481.427,817	33,781	33,320	73	84	34.485	13.925,079	75.499,262	5,422	4,961
24	35	97.632	72.462,394	2.407.970,783	33,231	32,770	74	85	30.484	12.157,396	61.574,183	5,065	4,604
25	36	97.511	71.479,256	2.335.508,389	32,674	32,214	75	86	26.655	10.499,256	49.416,787	4,707	4,246
26	37	97.385	70.505,266	2.264.029,133	32,111	31,651	76	87	22.860	8.893,117	38.917,531	4,376	3,916
27	38	97.256	69.542,359	2.193.523,867	31,542	31,082	77	88	19.159	7.361,453	30.024,414	4,079	3,618
28	39	97.118	68.586,682	2.123.981,508	30,968	30,507	78	89	15.729	5.968,674	22.662,961	3,797	3,337
29	40	96.969	67.635,972	2.055.394,826	30,389	29,929	79	90	12.584	4.716,402	16.694,287	3,540	3,079
30	41	96.817	66.695,901	1.987.758,854	29,803	29,343	80	91	9.826	3.637,244	11.977,885	3,293	2,833
31	42	96.650	65.759,304	1.921.062,953	29,214	28,753	81	92	7.391	2.702,189	8.340,641	3,087	2,626
32	43	96.465	64.823,187	1.855.303,649	28,621	28,161	82	93	5.391	1.946,561	5.638,452	2,897	2,436
33	44	96.261	63.887,414	1.790.480,462	28,026	27,565	83	94	3.791	1.351,865	3.691,891	2,731	2,271
34	45	96.043	62.955,573	1.726.593,048	27,426	26,965	84	95	2.577	907,571	2.340,026	2,578	2,118
35	46	95.799	62.020,437	1.663.637,474	26,824	26,364	85	96	1.690	587,957	1.432,456	2,436	1,976
36	47	95.527	61.080,753	1.601.617,037	26,221	25,761	86	97	1.071	368,061	844,499	2,294	1,834
37	48	95.233	60.141,388	1.540.536,285	25,615	25,155	87	98	648	219,728	476,437	2,168	1,708
38	49	94.917	59.201,370	1.480.394,896	25,006	24,546	88	99	372	124,677	256,709	2,059	1,599
39	50	94.558	58.249,391	1.421.193,526	24,398	23,938	89	100	203	67,314	132,032	1,961	1,501
40	51	94.174	57.296,459	1.362.944,135	23,788	23,327	90	101	106	34,569	64,718	1,872	1,412
41	52	93.750	56.334,747	1.305.647,677	23,177	22,716	91	102	52	16,860	30,149	1,788	1,328
42	53	93.289	55.365,670	1.249.312,930	22,565	22,104	92	103	24	7,753	13,288	1,714	1,253
43	54	92.790	54.389,259	1.193.947,260	21,952	21,492	93	104	11	3,362	5,535	1,646	1,186
44	55	92.238	53.398,426	1.139.558,001	21,341	20,880	94	105	4	1,371	2,173	1,585	1,124
45	56	91.642	52.398,515	1.086.159,575	20,729	20,268	95	106					
46	57	90.993	51.385,248	1.033.761,060	20,118	19,657	96	107					
47	58	90.280	50.352,864	982.375,812	19,510	19,049	97	108					
48	59	89.508	49.306,241	932.022,948	18,903	18,442	98	109					
49	60	88.690	48.252,158	882.716,708	18,294	17,833	99	110					
							100	111					

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -12 Jahre

Zinsfuß 1,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	12	99.470	99.470,467	4.438.634,130	44,623	44,162	50	62	87.312	46.915,912	809.858,585	17,262	16,802
1	13	99.008	97.785,920	4.339.163,662	44,374	43,914	51	63	86.332	45.816,943	762.942,673	16,652	16,192
2	14	98.959	96.530,316	4.241.377,742	43,938	43,478	52	64	85.301	44.710,666	717.125,730	16,039	15,579
3	15	98.927	95.308,282	4.144.847,427	43,489	43,028	53	65	84.180	43.578,668	672.415,064	15,430	14,970
4	16	98.891	94.097,649	4.049.539,145	43,035	42,575	54	66	82.968	42.420,804	628.836,396	14,824	14,363
5	17	98.857	92.903,808	3.955.441,496	42,576	42,115	55	67	81.658	41.235,739	586.415,592	14,221	13,761
6	18	98.822	91.724,096	3.862.537,689	42,110	41,650	56	68	80.223	40.010,913	545.179,854	13,626	13,165
7	19	98.782	90.555,091	3.770.813,592	41,641	41,181	57	69	78.685	38.759,042	505.168,941	13,034	12,573
8	20	98.742	89.401,294	3.680.258,501	41,166	40,705	58	70	77.009	37.465,137	466.409,899	12,449	11,989
9	21	98.700	88.259,190	3.590.857,207	40,685	40,225	59	71	75.191	36.129,043	428.944,762	11,873	11,412
10	22	98.666	87.140,087	3.502.598,017	40,195	39,735	60	72	73.194	34.735,513	392.815,719	11,309	10,848
11	23	98.630	86.032,897	3.415.457,931	39,699	39,239	61	73	71.065	33.308,888	358.080,206	10,750	10,290
12	24	98.590	84.936,321	3.329.425,034	39,199	38,739	62	74	68.781	31.840,373	324.771,318	10,200	9,740
13	25	98.551	83.853,982	3.244.488,713	38,692	38,232	63	75	66.310	30.317,541	292.930,945	9,662	9,202
14	26	98.514	82.787,633	3.160.634,732	38,178	37,717	64	76	63.658	28.745,408	262.613,404	9,136	8,675
15	27	98.468	81.727,591	3.077.847,099	37,660	37,199	65	77	60.839	27.133,585	233.867,996	8,619	8,159
16	28	98.416	80.676,050	2.996.119,508	37,138	36,677	66	78	57.829	25.472,718	206.734,411	8,116	7,656
17	29	98.349	79.625,889	2.915.443,458	36,614	36,154	67	79	54.620	23.762,271	181.261,693	7,628	7,168
18	30	98.270	78.579,985	2.835.817,569	36,088	35,628	68	80	51.202	22.000,104	157.499,422	7,159	6,699
19	31	98.164	77.525,603	2.757.237,584	35,566	35,105	69	81	47.556	20.181,372	135.499,318	6,714	6,254
20	32	98.050	76.479,499	2.679.711,982	35,038	34,578	70	82	43.749	18.336,441	115.317,946	6,289	5,829
21	33	97.940	75.451,042	2.603.232,483	34,502	34,042	71	83	39.755	16.456,629	96.981,504	5,893	5,433
22	34	97.824	74.431,365	2.527.781,441	33,961	33,501	72	84	35.744	14.613,616	80.524,875	5,510	5,050
23	35	97.705	73.422,596	2.453.350,075	33,414	32,954	73	85	31.714	12.806,038	65.911,259	5,147	4,686
24	36	97.582	72.425,297	2.379.927,480	32,860	32,400	74	86	27.837	11.101,834	53.105,221	4,783	4,323
25	37	97.456	71.438,837	2.307.502,183	32,300	31,840	75	87	23.968	9.440,780	42.003,386	4,449	3,989
26	38	97.325	70.462,031	2.236.063,346	31,734	31,274	76	88	20.165	7.844,817	32.562,607	4,151	3,690
27	39	97.188	69.493,714	2.165.601,315	31,163	30,702	77	89	16.639	6.393,223	24.717,789	3,866	3,406
28	40	97.040	68.531,795	2.096.107,601	30,586	30,126	78	90	13.397	5.083,969	18.324,566	3,604	3,144
29	41	96.885	67.577,130	2.027.575,806	30,004	29,543	79	91	10.527	3.945,450	13.240,598	3,356	2,896
30	42	96.721	66.629,973	1.959.998,677	29,416	28,956	80	92	7.985	2.955,625	9.295,148	3,145	2,685
31	43	96.542	65.685,347	1.893.368,704	28,825	28,364	81	93	5.873	2.147,187	6.339,523	2,952	2,492
32	44	96.340	64.739,045	1.827.683,357	28,232	27,771	82	94	4.183	1.510,549	4.192,337	2,775	2,315
33	45	96.127	63.798,483	1.762.944,312	27,633	27,173	83	95	2.869	1.023,172	2.681,788	2,621	2,161
34	46	95.891	62.855,725	1.699.145,830	27,032	26,572	84	96	1.900	669,083	1.658,616	2,479	2,019
35	47	95.627	61.909,050	1.636.290,105	26,431	25,970	85	97	1.212	421,662	989,534	2,347	1,886
36	48	95.341	60.961,972	1.574.381,055	25,826	25,365	86	98	746	256,445	567,872	2,214	1,754
37	49	95.032	60.013,893	1.513.419,083	25,218	24,757	87	99	438	148,542	311,427	2,097	1,636
38	50	94.688	59.058,889	1.453.405,190	24,609	24,149	88	100	244	81,673	162,885	1,994	1,534
39	51	94.319	58.102,216	1.394.346,301	23,998	23,538	89	101	129	42,674	81,212	1,903	1,443
40	52	93.912	57.137,333	1.336.244,085	23,387	22,926	90	102	65	21,181	38,538	1,820	1,359
41	53	93.467	56.164,436	1.279.106,753	22,774	22,314	91	103	31	9,971	17,358	1,741	1,280
42	54	92.995	55.190,851	1.222.942,317	22,158	21,698	92	104	14	4,420	7,386	1,671	1,211
43	55	92.467	54.200,080	1.167.751,467	21,545	21,085	93	105	6	1,845	2,966	1,607	1,147
44	56	91.889	53.196,214	1.113.551,386	20,933	20,473	94	106					
45	57	91.274	52.188,150	1.060.355,173	20,318	19,858	95	107					
46	58	90.587	51.155,911	1.008.167,023	19,708	19,247	96	108					
47	59	89.845	50.110,383	957.011,112	19,098	18,638	97	109					
48	60	89.053	49.055,578	906.900,730	18,487	18,027	98	110					
49	61	88.202	47.986,566	857.845,151	17,877	17,416	99	111					
							100	112					

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -13 Jahre

Zinsfuß 1,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	13	99.462	99.462,020	4.408.853,836	44,327	43,867	50	63	86.762	46.620,675	784.353,469	16,824	16,364
1	14	98.999	97.776,445	4.309.391,816	44,074	43,614	51	64	85.745	45.505,303	737.732,793	16,212	15,752
2	15	98.947	96.519,067	4.211.615,371	43,635	43,175	52	65	84.677	44.383,705	692.227,490	15,596	15,136
3	16	98.910	95.291,253	4.115.096,304	43,184	42,724	53	66	83.493	43.222,745	647.843,785	14,988	14,528
4	17	98.871	94.077,721	4.019.805,051	42,729	42,268	54	67	82.217	42.036,616	604.621,040	14,383	13,923
5	18	98.836	92.883,367	3.925.727,329	42,265	41,805	55	68	80.828	40.816,578	562.584,424	13,783	13,323
6	19	98.794	91.697,717	3.832.843,962	41,799	41,338	56	69	79.306	39.553,285	521.767,846	13,192	12,731
7	20	98.755	90.529,989	3.741.146,245	41,325	40,865	57	70	77.681	38.264,547	482.214,562	12,602	12,142
8	21	98.711	89.373,056	3.650.616,256	40,847	40,387	58	71	75.914	36.932,625	443.950,015	12,021	11,560
9	22	98.675	88.237,595	3.561.243,200	40,360	39,899	59	72	73.972	35.543,309	407.017,389	11,451	10,991
10	23	98.639	87.116,494	3.473.005,605	39,866	39,406	60	73	71.874	34.109,263	371.474,080	10,891	10,430
11	24	98.604	86.010,451	3.385.889,111	39,366	38,906	61	74	69.617	32.630,307	337.364,818	10,339	9,879
12	25	98.563	84.913,245	3.299.878,660	38,862	38,401	62	75	67.216	31.115,631	304.734,511	9,794	9,333
13	26	98.526	83.833,348	3.214.965,415	38,349	37,889	63	76	64.591	29.531,482	273.618,879	9,265	8,805
14	27	98.486	82.764,455	3.131.132,067	37,832	37,371	64	77	61.815	27.913,276	244.087,397	8,744	8,284
15	28	98.439	81.703,773	3.048.367,612	37,310	36,850	65	78	58.860	26.250,862	216.174,121	8,235	7,775
16	29	98.387	80.652,103	2.966.663,838	36,783	36,323	66	79	55.686	24.528,645	189.923,259	7,743	7,283
17	30	98.320	79.602,582	2.886.011,735	36,255	35,795	67	80	52.323	22.762,684	165.394,614	7,266	6,806
18	31	98.238	78.554,256	2.806.409,153	35,726	35,265	68	81	48.708	20.928,383	142.631,930	6,815	6,355
19	32	98.129	77.497,910	2.727.854,897	35,199	34,739	69	82	44.905	19.056,384	121.703,547	6,386	5,926
20	33	98.015	76.452,304	2.650.356,987	34,667	34,206	70	83	40.922	17.151,465	102.647,163	5,985	5,524
21	34	97.901	75.420,894	2.573.904,683	34,127	33,667	71	84	36.906	15.277,381	85.495,698	5,596	5,136
22	35	97.778	74.396,470	2.498.483,789	33,583	33,123	72	85	32.871	13.439,243	70.218,317	5,225	4,764
23	36	97.655	73.385,007	2.424.087,319	33,032	32,572	73	86	28.961	11.694,159	56.779,073	4,855	4,395
24	37	97.527	72.384,343	2.350.702,312	32,475	32,015	74	87	25.031	9.982,609	45.084,914	4,516	4,056
25	38	97.397	71.395,029	2.278.317,969	31,911	31,451	75	88	21.143	8.327,922	35.102,305	4,215	3,755
26	39	97.257	70.412,742	2.206.922,939	31,343	30,882	76	89	17.513	6.813,012	26.774,383	3,930	3,470
27	40	97.110	69.438,101	2.136.510,197	30,769	30,308	77	90	14.173	5.445,589	19.961,371	3,666	3,205
28	41	96.956	68.472,173	2.067.072,097	30,188	29,728	78	91	11.207	4.252,933	14.515,782	3,413	2,953
29	42	96.789	67.510,331	1.998.599,924	29,604	29,144	79	92	8.554	3.206,072	10.262,849	3,201	2,741
30	43	96.612	66.555,036	1.931.089,593	29,015	28,555	80	93	6.345	2.348,569	7.056,776	3,005	2,544
31	44	96.416	65.600,086	1.864.534,557	28,423	27,962	81	94	4.558	1.666,236	4.708,207	2,826	2,365
32	45	96.206	64.648,928	1.798.934,471	27,826	27,366	82	95	3.166	1.143,273	3.041,971	2,661	2,200
33	46	95.975	63.697,298	1.734.285,544	27,227	26,767	83	96	2.115	754,306	1.898,698	2,517	2,057
34	47	95.718	62.742,838	1.670.588,246	26,626	26,166	84	97	1.362	479,842	1.144,391	2,385	1,925
35	48	95.441	61.788,658	1.607.845,409	26,022	25,561	85	98	845	293,791	664,549	2,262	1,802
36	49	95.139	60.832,737	1.546.056,750	25,415	24,954	86	99	505	173,364	370,758	2,139	1,678
37	50	94.803	59.869,456	1.485.224,013	24,808	24,347	87	100	287	97,306	197,395	2,029	1,568
38	51	94.449	58.909,669	1.425.354,558	24,196	23,735	88	101	154	51,776	100,088	1,933	1,473
39	52	94.057	57.940,852	1.366.444,889	23,583	23,123	89	102	79	26,146	48,312	1,848	1,387
40	53	93.628	56.964,595	1.308.504,036	22,970	22,510	90	103	38	12,526	22,166	1,770	1,309
41	54	93.172	55.987,094	1.251.539,442	22,354	21,894	91	104	18	5,685	9,639	1,696	1,235
42	55	92.671	54.998,883	1.195.552,348	21,738	21,277	92	105	8	2,426	3,955	1,630	1,170
43	56	92.117	53.994,832	1.140.553,464	21,123	20,663	93	106					
44	57	91.520	52.982,646	1.086.558,632	20,508	20,047	94	107					
45	58	90.867	51.955,229	1.033.575,987	19,894	19,433	95	108					
46	59	90.151	50.909,563	981.620,757	19,282	18,821	96	109					
47	60	89.388	49.855,632	930.711,194	18,668	18,208	97	110					
48	61	88.563	48.785,564	880.855,562	18,056	17,595	98	111					
49	62	87.705	47.716,529	832.069,998	17,438	16,977	99	112					
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -14 Jahre

Zinsfuß 1,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	14	99.452	99.452,383	4.377.868,527	44,020	43,559	50	64	86.172	46.303,569	757.996,549	16,370	15,910
1	15	98.987	97.765,052	4.278.416,144	43,762	43,302	51	65	85.118	45.172,531	711.692,980	15,755	15,295
2	16	98.929	96.501,822	4.180.651,092	43,322	42,862	52	66	83.985	44.021,207	666.520,449	15,141	14,681
3	17	98.889	95.271,073	4.084.149,270	42,869	42,408	53	67	82.737	42.831,294	622.499,242	14,534	14,073
4	18	98.849	94.057,022	3.988.878,197	42,409	41,949	54	68	81.381	41.609,314	579.667,948	13,931	13,471
5	19	98.807	92.856,654	3.894.821,175	41,944	41,484	55	69	79.904	40.349,735	538.058,634	13,335	12,874
6	20	98.766	91.672,298	3.801.964,521	41,473	41,013	56	70	78.294	39.048,657	497.708,899	12,746	12,285
7	21	98.723	90.501,394	3.710.292,222	40,997	40,537	57	71	76.577	37.720,673	458.660,242	12,159	11,699
8	22	98.687	89.351,189	3.619.790,828	40,512	40,052	58	72	74.683	36.333,863	420.939,569	11,585	11,125
9	23	98.649	88.213,706	3.530.439,639	40,021	39,561	59	73	72.638	34.902,495	384.605,706	11,019	10,559
10	24	98.614	87.093,765	3.442.225,933	39,523	39,063	60	74	70.410	33.414,377	349.703,211	10,466	10,005
11	25	98.578	85.987,083	3.355.132,168	39,019	38,559	61	75	68.033	31.887,586	316.288,834	9,919	9,458
12	26	98.539	84.892,351	3.269.145,085	38,509	38,049	62	76	65.473	30.308,880	284.401,249	9,383	8,923
13	27	98.499	83.809,878	3.184.252,734	37,994	37,533	63	77	62.721	28.676,595	254.092,369	8,861	8,400
14	28	98.457	82.740,335	3.100.442,856	37,472	37,012	64	78	59.804	27.005,187	225.415,774	8,347	7,887
15	29	98.410	81.679,522	3.017.702,521	36,946	36,485	65	79	56.679	25.277,949	198.410,587	7,849	7,389
16	30	98.358	80.628,496	2.936.022,999	36,414	35,954	66	80	53.343	23.496,820	173.132,638	7,368	6,908
17	31	98.288	79.576,518	2.855.394,503	35,882	35,422	67	81	49.774	21.653,814	149.635,818	6,910	6,450
18	32	98.203	78.526,196	2.775.817,984	35,349	34,889	68	82	45.993	19.761,753	127.982,004	6,476	6,016
19	33	98.094	77.470,353	2.697.291,789	34,817	34,357	69	83	42.003	17.824,882	108.220,250	6,071	5,611
20	34	97.976	76.421,756	2.619.821,435	34,281	33,821	70	84	37.989	15.922,427	90.395,369	5,677	5,217
21	35	97.855	75.385,535	2.543.399,679	33,739	33,278	71	85	33.940	14.049,668	74.472,942	5,301	4,840
22	36	97.728	74.358,383	2.468.014,144	33,191	32,730	72	86	30.017	12.272,386	60.423,274	4,924	4,463
23	37	97.599	73.343,510	2.393.655,762	32,636	32,176	73	87	26.041	10.515,219	48.150,888	4,579	4,119
24	38	97.467	72.339,956	2.320.312,251	32,075	31,615	74	88	22.080	8.805,883	37.635,669	4,274	3,814
25	39	97.328	71.345,088	2.247.972,296	31,508	31,048	75	89	18.362	7.232,576	28.829,787	3,986	3,526
26	40	97.179	70.356,393	2.176.627,208	30,937	30,477	76	90	14.917	5.803,155	21.597,211	3,722	3,261
27	41	97.025	69.377,691	2.106.270,815	30,359	29,899	77	91	11.856	4.555,442	15.794,056	3,467	3,007
28	42	96.860	68.404,490	2.036.893,124	29,777	29,317	78	92	9.107	3.455,934	11.238,614	3,252	2,792
29	43	96.680	67.434,404	1.968.488,634	29,191	28,731	79	93	6.797	2.547,577	7.782,680	3,055	2,595
30	44	96.487	66.468,646	1.901.054,231	28,601	28,140	80	94	4.923	1.822,511	5.235,103	2,872	2,412
31	45	96.282	65.508,770	1.834.585,585	28,005	27,545	81	95	3.449	1.261,107	3.412,592	2,706	2,246
32	46	96.053	64.546,394	1.769.076,815	27,408	26,947	82	96	2.334	842,848	2.151,485	2,553	2,092
33	47	95.802	63.582,898	1.704.530,421	26,808	26,348	83	97	1.517	540,962	1.308,637	2,419	1,959
34	48	95.532	62.620,825	1.640.947,523	26,205	25,744	84	98	949	334,328	767,676	2,296	1,836
35	49	95.239	61.657,670	1.578.326,698	25,598	25,138	85	99	571	198,611	433,348	2,182	1,722
36	50	94.910	60.686,329	1.516.669,027	24,992	24,532	86	100	331	113,566	234,737	2,067	1,607
37	51	94.563	59.718,188	1.455.982,698	24,381	23,921	87	101	182	61,687	121,171	1,964	1,504
38	52	94.187	58.746,063	1.396.264,510	23,768	23,307	88	102	95	31,723	59,484	1,875	1,415
39	53	93.773	57.765,685	1.337.518,447	23,154	22,694	89	103	47	15,463	27,761	1,795	1,335
40	54	93.332	56.784,727	1.279.752,762	22,537	22,077	90	104	22	7,141	12,298	1,722	1,262
41	55	92.848	55.792,357	1.222.968,036	21,920	21,460	91	105	10	3,120	5,156	1,653	1,192
42	56	92.320	54.790,610	1.167.175,678	21,302	20,842	92	106					
43	57	91.747	53.778,058	1.112.385,068	20,685	20,224	93	107					
44	58	91.111	52.746,179	1.058.607,010	20,070	19,609	94	108					
45	59	90.429	51.705,032	1.005.860,831	19,454	18,993	95	109					
46	60	89.693	50.650,750	954.155,798	18,838	18,378	96	110					
47	61	88.896	49.581,214	903.505,048	18,223	17,762	97	111					
48	62	88.065	48.511,031	853.923,834	17,603	17,142	98	112					
49	63	87.153	47.416,254	805.412,803	16,986	16,526	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -15 Jahre

Zinsfuß 1,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	15	99.441	99.440,794	4.345.694,212	43,701	43,241	50	65	85.542	45.964,960	730.829,913	15,900	15,439
1	16	98.969	97.747,584	4.246.253,418	43,441	42,981	51	66	84.423	44.803,590	684.864,954	15,286	14,826
2	17	98.908	96.481,386	4.148.505,834	42,998	42,538	52	67	83.225	43.622,525	640.061,363	14,673	14,212
3	18	98.867	95.250,111	4.052.024,448	42,541	42,081	53	68	81.896	42.395,914	596.438,838	14,068	13,608
4	19	98.820	94.029,972	3.956.774,337	42,080	41,620	54	69	80.450	41.133,405	554.042,924	13,469	13,009
5	20	98.780	92.830,914	3.862.744,364	41,611	41,150	55	70	78.884	39.834,946	512.909,519	12,876	12,415
6	21	98.735	91.643,343	3.769.913,450	41,137	40,676	56	71	77.181	38.493,638	473.074,573	12,290	11,829
7	22	98.699	90.479,251	3.678.270,108	40,653	40,193	57	72	75.335	37.109,135	434.580,936	11,711	11,250
8	23	98.660	89.326,998	3.587.790,856	40,165	39,704	58	73	73.337	35.678,796	397.471,801	11,140	10,680
9	24	98.623	88.190,690	3.498.463,858	39,669	39,209	59	74	71.158	34.191,448	361.793,005	10,581	10,121
10	25	98.587	87.070,104	3.410.273,168	39,167	38,707	60	75	68.807	32.653,808	327.601,556	10,033	9,572
11	26	98.553	85.965,925	3.323.203,064	38,657	38,197	61	76	66.269	31.060,819	294.947,748	9,496	9,035
12	27	98.512	84.868,585	3.237.237,140	38,144	37,684	62	77	63.578	29.431,488	263.886,929	8,966	8,506
13	28	98.470	83.785,453	3.152.368,555	37,624	37,164	63	78	60.681	27.743,673	234.455,441	8,451	7,990
14	29	98.428	82.715,776	3.068.583,102	37,098	36,638	64	79	57.587	26.004,317	206.711,768	7,949	7,489
15	30	98.381	81.655,614	2.985.867,326	36,567	36,106	65	80	54.294	24.214,603	180.707,450	7,463	7,002
16	31	98.326	80.602,097	2.904.211,712	36,031	35,571	66	81	50.745	22.352,187	156.492,847	7,001	6,541
17	32	98.253	79.548,093	2.823.609,615	35,496	35,035	67	82	46.999	20.446,746	134.140,660	6,560	6,100
18	33	98.168	78.498,274	2.744.061,522	34,957	34,497	68	83	43.020	18.484,667	113.693,913	6,151	5,690
19	34	98.055	77.439,398	2.665.563,248	34,421	33,961	69	84	38.993	16.547,588	95.209,246	5,754	5,293
20	35	97.930	76.385,928	2.588.123,850	33,882	33,422	70	85	34.936	14.642,876	78.661,658	5,372	4,912
21	36	97.805	75.346,941	2.511.737,923	33,336	32,875	71	86	30.993	12.829,810	64.018,782	4,990	4,529
22	37	97.673	74.316,336	2.436.390,982	32,784	32,324	72	87	26.991	11.035,153	51.188,972	4,639	4,178
23	38	97.540	73.298,535	2.362.074,646	32,225	31,765	73	88	22.971	9.275,709	40.153,819	4,329	3,869
24	39	97.399	72.289,353	2.288.776,111	31,661	31,201	74	89	19.176	7.647,671	30.878,109	4,038	3,577
25	40	97.251	71.287,993	2.216.486,758	31,092	30,632	75	90	15.640	6.160,529	23.230,438	3,771	3,310
26	41	97.095	70.295,185	2.145.198,765	30,517	30,057	76	91	12.479	4.854,560	17.069,910	3,516	3,056
27	42	96.930	69.309,112	2.074.903,580	29,937	29,477	77	92	9.634	3.701,753	12.215,350	3,300	2,839
28	43	96.751	68.327,557	2.005.594,469	29,353	28,892	78	93	7.237	2.746,120	8.513,597	3,100	2,640
29	44	96.555	67.346,872	1.937.266,912	28,766	28,305	79	94	5.275	1.976,943	5.767,478	2,917	2,457
30	45	96.352	66.376,121	1.869.920,039	28,172	27,711	80	95	3.726	1.379,385	3.790,535	2,748	2,288
31	46	96.129	65.404,872	1.803.543,918	27,575	27,115	81	96	2.543	929,718	2.411,150	2,593	2,133
32	47	95.881	64.430,470	1.738.139,046	26,977	26,517	82	97	1.674	604,461	1.481,432	2,451	1,990
33	48	95.616	63.459,252	1.673.708,576	26,375	25,914	83	98	1.057	376,912	876,972	2,327	1,866
34	49	95.330	62.488,073	1.610.249,324	25,769	25,309	84	99	642	226,015	500,059	2,213	1,752
35	50	95.009	61.509,278	1.547.761,251	25,163	24,703	85	100	374	130,105	274,045	2,106	1,646
36	51	94.670	60.532,997	1.486.251,973	24,553	24,092	86	101	210	71,995	143,940	1,999	1,539
37	52	94.301	59.552,336	1.425.718,976	23,941	23,480	87	102	111	37,796	71,945	1,904	1,443
38	53	93.902	58.568,461	1.366.166,640	23,326	22,866	88	103	56	18,761	34,149	1,820	1,360
39	54	93.477	57.583,287	1.307.598,179	22,708	22,248	89	104	27	8,815	15,388	1,746	1,285
40	55	93.008	56.587,216	1.250.014,891	22,090	21,630	90	105	12	3,919	6,572	1,677	1,216
41	56	92.496	55.581,080	1.193.427,676	21,472	21,011	91	106					
42	57	91.950	54.570,641	1.137.846,596	20,851	20,391	92	107					
43	58	91.337	53.538,042	1.083.275,955	20,234	19,773	93	108					
44	59	90.673	52.492,173	1.029.737,913	19,617	19,157	94	109					
45	60	89.970	51.442,175	977.245,740	18,997	18,537	95	110					
46	61	89.199	50.371,955	925.803,565	18,379	17,919	96	111					
47	62	88.396	49.302,204	875.431,609	17,756	17,296	97	112					
48	63	87.511	48.205,756	826.129,406	17,138	16,677	98						
49	64	86.560	47.093,736	777.923,650	16,519	16,058	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -16 Jahre

Zinsfuß 1,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	16	99.423	99.423,027	4.312.349,470	43,374	42,913	50	66	84.843	45.589,546	702.897,465	15,418	14,958
1	17	98.948	97.726,884	4.212.926,443	43,109	42,649	51	67	83.658	44.397,823	657.307,918	14,805	14,345
2	18	98.887	96.460,158	4.115.199,559	42,662	42,202	52	68	82.379	43.179,103	612.910,095	14,195	13,734
3	19	98.838	95.222,718	4.018.739,401	42,204	41,743	53	69	80.959	41.911,008	569.730,993	13,594	13,133
4	20	98.793	94.003,907	3.923.516,683	41,738	41,277	54	70	79.424	40.608,617	527.819,985	12,998	12,537
5	21	98.749	92.801,593	3.829.512,777	41,266	40,805	55	71	77.763	39.268,751	487.211,367	12,407	11,947
6	22	98.711	91.620,920	3.736.711,184	40,784	40,324	56	72	75.930	37.869,568	447.942,617	11,829	11,368
7	23	98.673	90.454,755	3.645.090,264	40,297	39,837	57	73	73.977	36.440,090	410.073,049	11,253	10,793
8	24	98.635	89.303,692	3.554.635,509	39,804	39,344	58	74	71.843	34.951,935	373.632,959	10,690	10,230
9	25	98.596	88.166,731	3.465.331,816	39,304	38,844	59	75	69.538	33.413,192	338.681,024	10,136	9,676
10	26	98.563	87.048,679	3.377.165,086	38,796	38,336	60	76	67.023	31.807,176	305.267,831	9,597	9,137
11	27	98.526	85.941,858	3.290.116,407	38,283	37,823	61	77	64.351	30.161,660	273.460,656	9,066	8,606
12	28	98.483	84.843,851	3.204.174,549	37,766	37,305	62	78	61.509	28.474,008	243.298,996	8,545	8,084
13	29	98.441	83.760,584	3.119.330,698	37,241	36,781	63	79	58.432	26.715,434	214.824,988	8,041	7,581
14	30	98.399	82.691,565	3.035.570,114	36,710	36,249	64	80	55.165	24.910,416	188.109,554	7,551	7,091
15	31	98.349	81.628,878	2.952.878,550	36,174	35,714	65	81	51.649	23.035,004	163.199,138	7,085	6,624
16	32	98.291	80.573,305	2.871.249,672	35,635	35,175	66	82	47.916	21.106,189	140.164,134	6,641	6,181
17	33	98.218	79.519,808	2.790.676,367	35,094	34,634	67	83	43.962	19.125,393	119.057,944	6,225	5,765
18	34	98.129	78.466,908	2.711.156,559	34,552	34,091	68	84	39.938	17.160,095	99.932,551	5,824	5,363
19	35	98.009	77.403,093	2.632.689,651	34,013	33,552	69	85	35.860	15.217,798	82.772,456	5,439	4,979
20	36	97.879	76.346,822	2.555.286,558	33,469	33,009	70	86	31.903	13.371,514	67.554,658	5,052	4,592
21	37	97.750	75.304,335	2.478.939,737	32,919	32,459	71	87	27.869	11.536,381	54.183,144	4,697	4,236
22	38	97.613	74.270,764	2.403.635,402	32,363	31,903	72	88	23.809	9.734,355	42.646,764	4,381	3,921
23	39	97.471	73.247,261	2.329.364,638	31,801	31,341	73	89	19.950	8.055,703	32.912,409	4,086	3,625
24	40	97.321	72.231,503	2.256.117,376	31,235	30,774	74	90	16.334	6.514,097	24.856,706	3,816	3,355
25	41	97.166	71.225,974	2.183.885,874	30,661	30,201	75	91	13.084	5.153,517	18.342,610	3,559	3,099
26	42	96.999	70.225,699	2.112.659,900	30,084	29,623	76	92	10.140	3.944,815	13.189,093	3,343	2,883
27	43	96.821	69.231,162	2.042.434,201	29,502	29,041	77	93	7.656	2.941,450	9.244,277	3,143	2,682
28	44	96.626	68.238,866	1.973.203,039	28,916	28,456	78	94	5.616	2.131,014	6.302,828	2,958	2,497
29	45	96.420	67.253,125	1.904.964,173	28,325	27,865	79	95	3.992	1.496,268	4.171,814	2,788	2,328
30	46	96.200	66.270,848	1.837.711,048	27,730	27,270	80	96	2.747	1.016,915	2.675,546	2,631	2,171
31	47	95.957	65.287,406	1.771.440,200	27,133	26,673	81	97	1.824	666,760	1.658,631	2,488	2,027
32	48	95.694	64.305,175	1.706.152,794	26,532	26,072	82	98	1.166	421,155	991,870	2,355	1,895
33	49	95.413	63.324,723	1.641.847,618	25,927	25,467	83	99	714	254,803	570,715	2,240	1,779
34	50	95.100	62.337,682	1.578.522,896	25,322	24,862	84	100	420	148,057	315,912	2,134	1,673
35	51	94.769	61.353,866	1.516.185,214	24,712	24,252	85	101	237	82,480	167,856	2,035	1,575
36	52	94.407	60.364,883	1.454.831,348	24,101	23,640	86	102	128	44,112	85,376	1,935	1,475
37	53	94.016	59.372,297	1.394.466,465	23,487	23,026	87	103	66	22,353	41,265	1,846	1,386
38	54	93.606	58.383,529	1.335.094,168	22,868	22,407	88	104	32	10,696	18,912	1,768	1,308
39	55	93.151	57.382,999	1.276.710,639	22,249	21,789	89	105	15	4,838	8,216	1,698	1,238
40	56	92.656	56.372,928	1.219.327,640	21,630	21,169	90	106					
41	57	92.125	55.357,937	1.162.954,712	21,008	20,548	91	107					
42	58	91.539	54.327,088	1.107.596,775	20,388	19,927	92	108					
43	59	90.898	53.280,222	1.053.269,687	19,768	19,308	93	109					
44	60	90.212	52.225,315	999.989,465	19,148	18,687	94	110					
45	61	89.474	51.159,024	947.764,150	18,526	18,065	95	111					
46	62	88.697	50.088,495	896.605,126	17,900	17,440	96	112					
47	63	87.840	48.991,950	846.516,631	17,279	16,818	97						
48	64	86.915	47.877,868	797.524,682	16,657	16,197	98						
49	65	85.927	46.749,348	749.646,813	16,035	15,575	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -17 Jahre

Zinsfuß 1,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	17	99.402	99.401,972	4.277.858,555	43,036	42,576	50	67	84.075	45.176,661	674.260,407	14,925	14,465
1	18	98.927	97.705,382	4.178.456,584	42,766	42,305	51	68	82.808	43.946,519	629.083,746	14,315	13,854
2	19	98.858	96.432,417	4.080.751,202	42,317	41,857	52	69	81.437	42.685,238	585.137,226	13,708	13,248
3	20	98.811	95.196,322	3.984.318,785	41,854	41,393	53	70	79.926	41.376,300	542.451,988	13,110	12,650
4	21	98.762	93.974,215	3.889.122,463	41,385	40,925	54	71	78.295	40.031,425	501.075,688	12,517	12,057
5	22	98.724	92.778,887	3.795.148,248	40,905	40,445	55	72	76.502	38.632,115	461.044,262	11,934	11,474
6	23	98.684	91.596,115	3.702.369,361	40,421	39,960	56	73	74.561	37.186,814	422.412,147	11,359	10,899
7	24	98.647	90.431,155	3.610.773,246	39,928	39,468	57	74	72.470	35.697,719	385.225,334	10,791	10,331
8	25	98.608	89.279,430	3.520.342,092	39,431	38,970	58	75	70.208	34.156,369	349.527,614	10,233	9,773
9	26	98.572	88.145,036	3.431.062,661	38,925	38,465	59	76	67.735	32.546,871	315.371,245	9,690	9,229
10	27	98.535	87.024,308	3.342.917,626	38,414	37,953	60	77	65.083	30.886,411	282.824,374	9,157	8,697
11	28	98.497	85.916,812	3.255.893,317	37,896	37,435	61	78	62.257	29.180,425	251.980,964	8,634	8,173
12	29	98.454	84.818,668	3.169.976,506	37,374	36,913	62	79	59.230	27.418,701	222.757,538	8,124	7,664
13	30	98.412	83.736,066	3.085.157,838	36,844	36,383	63	80	55.974	25.591,619	195.338,837	7,633	7,173
14	31	98.367	82.664,490	3.001.421,771	36,308	35,848	64	81	52.478	23.696,921	169.747,219	7,163	6,703
15	32	98.314	81.599,720	2.918.757,282	35,769	35,309	65	82	48.770	21.750,943	146.050,298	6,715	6,254
16	33	98.256	80.544,655	2.837.157,562	35,225	34,764	66	83	44.820	19.742,220	124.299,354	6,296	5,836
17	34	98.179	79.488,033	2.756.612,907	34,680	34,219	67	84	40.812	17.754,907	104.557,134	5,889	5,429
18	35	98.083	78.430,121	2.677.124,874	34,134	33,673	68	85	36.728	15.781,083	86.802,227	5,500	5,040
19	36	97.958	77.363,466	2.598.694,753	33,591	33,130	69	86	32.746	13.896,519	71.021,144	5,111	4,650
20	37	97.824	76.303,650	2.521.331,287	33,043	32,583	70	87	28.687	12.023,472	57.124,625	4,751	4,291
21	38	97.690	75.258,158	2.445.027,636	32,489	32,028	71	88	24.584	10.176,499	45.101,153	4,432	3,972
22	39	97.545	74.218,810	2.369.769,479	31,929	31,469	72	89	20.678	8.454,024	34.924,654	4,131	3,671
23	40	97.393	73.188,645	2.295.550,668	31,365	30,904	73	90	16.993	6.861,648	26.470,630	3,858	3,397
24	41	97.237	72.168,663	2.222.362,024	30,794	30,334	74	91	13.664	5.449,290	19.608,982	3,598	3,138
25	42	97.070	71.155,568	2.150.193,361	30,218	29,758	75	92	10.632	4.187,748	14.159,692	3,381	2,921
26	43	96.890	70.146,718	2.079.037,794	29,638	29,178	76	93	8.058	3.134,590	9.971,944	3,181	2,721
27	44	96.695	69.141,298	2.008.891,076	29,055	28,594	77	94	5.941	2.282,592	6.837,354	2,995	2,535
28	45	96.491	68.143,877	1.939.749,777	28,466	28,005	78	95	4.250	1.612,878	4.554,763	2,824	2,364
29	46	96.267	67.146,461	1.871.605,900	27,873	27,413	79	96	2.943	1.103,084	2.941,884	2,667	2,207
30	47	96.027	66.151,827	1.804.459,439	27,278	26,817	80	97	1.970	729,295	1.838,800	2,521	2,061
31	48	95.770	65.160,446	1.738.307,612	26,677	26,217	81	98	1.271	464,562	1.109,505	2,388	1,928
32	49	95.492	64.168,852	1.673.147,167	26,074	25,614	82	99	788	284,712	644,943	2,265	1,805
33	50	95.184	63.172,318	1.608.978,314	25,470	25,009	83	100	468	166,915	360,231	2,158	1,698
34	51	94.860	62.180,177	1.545.805,997	24,860	24,400	84	101	266	93,860	193,316	2,060	1,599
35	52	94.506	61.183,472	1.483.625,819	24,249	23,788	85	102	145	50,535	99,456	1,968	1,508
36	53	94.122	60.182,387	1.422.442,347	23,636	23,175	86	103	76	26,088	48,920	1,875	1,415
37	54	93.719	59.184,827	1.362.259,960	23,017	22,557	87	104	38	12,743	22,833	1,792	1,331
38	55	93.280	58.180,457	1.303.075,134	22,397	21,937	88	105	18	5,870	10,089	1,719	1,258
39	56	92.799	57.165,698	1.244.894,677	21,777	21,317	89						
40	57	92.284	56.146,606	1.187.728,979	21,154	20,694	90						
41	58	91.714	55.110,870	1.131.582,373	20,533	20,072	91						
42	59	91.099	54.065,469	1.076.471,503	19,911	19,450	92						
43	60	90.435	53.009,357	1.022.406,034	19,287	18,827	93						
44	61	89.715	51.937,853	969.396,677	18,665	18,204	94						
45	62	88.971	50.871,134	917.458,824	18,035	17,575	95						
46	63	88.139	49.773,293	866.587,689	17,411	16,950	96						
47	64	87.242	48.658,715	816.814,396	16,787	16,326	97						
48	65	86.280	47.527,746	768.155,682	16,162	15,702	98						
49	66	85.226	46.367,529	720.627,936	15,542	15,081	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -18 Jahre

Zinsfuß 1,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	18	99.380	99.380,101	4.242.243,857	42,687	42,227	50	68	83.220	44.717,441	644.982,238	14,424	13,963
1	19	98.898	97.677,283	4.142.863,755	42,414	41,953	51	69	81.861	43.443,878	600.264,798	13,817	13,357
2	20	98.831	96.405,685	4.045.186,473	41,960	41,500	52	70	80.398	42.140,653	556.820,920	13,213	12,753
3	21	98.780	95.166,253	3.948.780,787	41,493	41,033	53	71	78.790	40.788,197	514.680,267	12,618	12,158
4	22	98.738	93.951,222	3.853.614,534	41,017	40,557	54	72	77.025	39.382,425	473.892,071	12,033	11,573
5	23	98.698	92.753,768	3.759.663,312	40,534	40,073	55	73	75.123	37.935,612	434.509,646	11,454	10,993
6	24	98.658	91.572,217	3.666.909,544	40,044	39,584	56	74	73.042	36.429,231	396.574,034	10,886	10,426
7	25	98.620	90.406,586	3.575.337,327	39,547	39,087	57	75	70.820	34.885,178	360.144,803	10,324	9,863
8	26	98.584	89.257,462	3.484.930,741	39,044	38,583	58	76	68.387	33.270,779	325.259,625	9,776	9,316
9	27	98.544	88.120,359	3.395.673,279	38,534	38,074	59	77	65.775	31.604,693	291.988,846	9,239	8,778
10	28	98.506	86.998,947	3.307.552,920	38,018	37,558	60	78	62.966	29.881,598	260.384,153	8,714	8,253
11	29	98.468	85.891,310	3.220.553,973	37,496	37,035	61	79	59.950	28.098,937	230.502,555	8,203	7,743
12	30	98.425	84.793,841	3.134.662,664	36,968	36,508	62	80	56.738	26.265,302	202.403,618	7,706	7,246
13	31	98.380	83.708,650	3.049.868,823	36,434	35,974	63	81	53.247	24.344,939	176.138,316	7,235	6,775
14	32	98.332	82.634,961	2.966.160,173	35,895	35,434	64	82	49.552	22.375,962	151.793,377	6,784	6,323
15	33	98.279	81.570,705	2.883.525,212	35,350	34,890	65	83	45.619	20.345,308	129.417,415	6,361	5,901
16	34	98.216	80.512,471	2.801.954,507	34,801	34,341	66	84	41.608	18.327,534	109.072,107	5,951	5,491
17	35	98.133	79.450,768	2.721.442,036	34,253	33,793	67	85	37.532	16.328,096	90.744,573	5,558	5,097
18	36	98.033	78.389,968	2.641.991,268	33,703	33,243	68	86	33.539	14.410,896	74.416,477	5,164	4,704
19	37	97.903	77.319,720	2.563.601,300	33,156	32,695	69	87	29.445	12.495,549	60.005,581	4,802	4,342
20	38	97.764	76.256,860	2.486.281,580	32,604	32,144	70	88	25.305	10.606,173	47.510,031	4,479	4,019
21	39	97.621	75.205,513	2.410.024,720	32,046	31,585	71	89	21.350	8.838,014	36.903,858	4,176	3,715
22	40	97.467	74.159,416	2.334.819,207	31,484	31,023	72	90	17.613	7.200,928	28.065,844	3,898	3,437
23	41	97.309	73.124,972	2.260.659,791	30,915	30,455	73	91	14.215	5.740,030	20.864,916	3,635	3,175
24	42	97.140	72.097,325	2.187.534,819	30,341	29,881	74	92	11.103	4.428,093	15.124,886	3,416	2,955
25	43	96.961	71.075,541	2.115.437,495	29,763	29,303	75	93	8.448	3.327,626	10.696,793	3,215	2,754
26	44	96.764	70.055,666	2.044.361,953	29,182	28,722	76	94	6.253	2.432,470	7.369,167	3,029	2,569
27	45	96.560	69.045,053	1.974.306,287	28,594	28,134	77	95	4.496	1.727,601	4.936,696	2,858	2,397
28	46	96.338	68.035,800	1.905.261,234	28,004	27,543	78	96	3.133	1.189,052	3.209,095	2,699	2,238
29	47	96.094	67.025,867	1.837.225,434	27,411	26,950	79	97	2.111	791,093	2.020,044	2,553	2,093
30	48	95.840	66.023,185	1.770.199,567	26,812	26,351	80	98	1.373	508,133	1.228,951	2,419	1,958
31	49	95.567	65.022,310	1.704.176,382	26,209	25,749	81	99	859	314,057	720,818	2,295	1,835
32	50	95.262	64.014,416	1.639.154,072	25,606	25,146	82	100	517	186,508	406,761	2,181	1,721
33	51	94.943	63.012,705	1.575.139,656	24,997	24,537	83	101	297	105,815	220,253	2,081	1,621
34	52	94.597	62.007,488	1.512.126,952	24,386	23,926	84	102	163	57,508	114,438	1,990	1,530
35	53	94.220	60.998,502	1.450.119,464	23,773	23,313	85	103	86	29,887	56,930	1,905	1,444
36	54	93.825	59.992,359	1.389.120,962	23,155	22,695	86	104	43	14,873	27,043	1,818	1,358
37	55	93.393	58.978,968	1.329.128,603	22,536	22,075	87	105	21	6,994	12,170	1,740	1,280
38	56	92.927	57.960,136	1.270.149,636	21,914	21,454	88	106					
39	57	92.426	56.936,193	1.212.189,500	21,290	20,830	89	107					
40	58	91.872	55.896,019	1.155.253,307	20,668	20,208	90	108					
41	59	91.272	54.845,476	1.099.357,288	20,045	19,584	91	109					
42	60	90.635	53.790,612	1.044.511,811	19,418	18,958	92	110					
43	61	89.938	52.717,580	990.721,200	18,793	18,333	93	111					
44	62	89.210	51.645,581	938.003,619	18,162	17,702	94	112					
45	63	88.411	50.551,008	886.358,039	17,534	17,074	95						
46	64	87.539	49.434,743	835.807,031	16,907	16,447	96						
47	65	86.604	48.302,882	786.372,288	16,280	15,820	97						
48	66	85.575	47.139,569	738.069,405	15,657	15,197	98						
49	67	84.454	45.947,598	690.929,836	15,037		99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -19 Jahre

Zinsfuß 1,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	19	99.352	99.351,520	4.205.525,871	42,330	41,869	50	69	82.268	44.205,982	615.136,721	13,915	13,455
1	20	98.871	97.650,206	4.106.174,350	42,050	41,589	51	70	80.816	42.889,613	570.930,740	13,312	12,851
2	21	98.800	96.375,235	4.008.524,144	41,593	41,132	52	71	79.255	41.541,685	528.041,126	12,711	12,251
3	22	98.756	95.142,969	3.912.148,909	41,119	40,658	53	72	77.513	40.126,927	486.499,441	12,124	11,664
4	23	98.711	93.925,786	3.817.005,941	40,639	40,178	54	73	75.637	38.672,395	446.372,514	11,542	11,082
5	24	98.672	92.729,568	3.723.080,155	40,150	39,689	55	74	73.593	37.162,774	407.700,119	10,971	10,510
6	25	98.632	91.547,339	3.630.350,587	39,655	39,195	56	75	71.379	35.600,039	370.537,345	10,408	9,948
7	26	98.596	90.384,340	3.538.803,248	39,153	38,692	57	76	68.984	33.980,692	334.937,306	9,857	9,396
8	27	98.556	89.232,473	3.448.418,908	38,645	38,185	58	77	66.408	32.307,645	300.956,614	9,315	8,855
9	28	98.516	88.094,678	3.359.186,435	38,132	37,671	59	78	63.635	30.576,513	268.648,970	8,786	8,326
10	29	98.477	86.973,124	3.271.091,757	37,610	37,150	60	79	60.632	28.774,123	238.072,457	8,274	7,813
11	30	98.439	85.866,169	3.184.118,633	37,082	36,622	61	80	57.428	26.916,923	209.298,334	7,776	7,315
12	31	98.393	84.766,078	3.098.252,465	36,551	36,090	62	81	53.974	24.985,804	182.381,411	7,299	6,839
13	32	98.345	83.678,748	3.013.486,387	36,013	35,552	63	82	50.279	22.987,858	157.395,606	6,847	6,387
14	33	98.297	82.605,578	2.929.807,639	35,467	35,007	64	83	46.350	20.929,935	134.407,749	6,422	5,961
15	34	98.239	81.538,111	2.847.202,060	34,919	34,458	65	84	42.350	18.887,405	113.477,813	6,008	5,548
16	35	98.170	80.474,725	2.765.663,949	34,367	33,906	66	85	38.264	16.854,705	94.590,408	5,612	5,152
17	36	98.082	79.410,092	2.685.189,224	33,814	33,354	67	86	34.273	14.910,415	77.735,703	5,214	4,753
18	37	97.977	78.345,642	2.605.779,131	33,260	32,800	68	87	30.158	12.958,070	62.825,288	4,848	4,388
19	38	97.843	77.272,306	2.527.433,490	32,708	32,248	69	88	25.974	11.022,603	49.867,218	4,524	4,064
20	39	97.696	76.203,517	2.450.161,183	32,153	31,692	70	89	21.977	9.211,175	38.844,615	4,217	3,757
21	40	97.543	75.145,329	2.373.957,666	31,592	31,131	71	90	18.186	7.528,001	29.633,440	3,936	3,476
22	41	97.382	74.094,899	2.298.812,337	31,025	30,565	72	91	14.734	6.023,850	22.105,439	3,670	3,209
23	42	97.212	73.052,689	2.224.717,438	30,454	29,993	73	92	11.551	4.664,348	16.081,588	3,448	2,987
24	43	97.031	72.016,239	2.151.664,750	29,877	29,417	74	93	8.823	3.518,607	11.417,240	3,245	2,784
25	44	96.835	70.983,284	2.079.648,511	29,298	28,837	75	94	6.556	2.582,269	7.898,633	3,059	2,598
26	45	96.629	69.958,148	2.008.665,227	28,712	28,252	76	95	4.732	1.841,038	5.316,364	2,888	2,427
27	46	96.407	68.935,547	1.938.707,079	28,123	27,663	77	96	3.315	1.273,628	3.475,326	2,729	2,268
28	47	96.165	67.913,609	1.869.771,532	27,532	27,071	78	97	2.247	852,746	2.201,698	2,582	2,122
29	48	95.908	66.895,526	1.801.857,923	26,935	26,475	79	98	1.471	551,190	1.348,952	2,447	1,987
30	49	95.637	65.883,220	1.734.962,397	26,334	25,874	80	99	928	343,512	797,762	2,322	1,862
31	50	95.337	64.865,819	1.669.079,177	25,731	25,271	81	100	563	205,731	454,250	2,208	1,748
32	51	95.021	63.852,675	1.604.213,358	25,124	24,663	82	101	327	118,236	248,520	2,102	1,642
33	52	94.680	62.837,703	1.540.360,683	24,513	24,053	83	102	182	64,833	130,283	2,010	1,549
34	53	94.311	61.820,027	1.477.522,980	23,900	23,440	84	103	97	34,011	65,450	1,924	1,464
35	54	93.923	60.805,896	1.415.702,953	23,282	22,822	85	104	49	17,038	31,440	1,845	1,385
36	55	93.498	59.783,691	1.354.897,057	22,663	22,203	86	105	24	8,163	14,401	1,764	1,304
37	56	93.039	58.755,622	1.295.113,366	22,042	21,582	87	106					
38	57	92.554	57.727,442	1.236.357,744	21,417	20,957	88	107					
39	58	92.014	56.682,082	1.178.630,302	20,794	20,333	89	108					
40	59	91.429	55.626,845	1.121.948,220	20,169	19,709	90	109					
41	60	90.808	54.566,654	1.066.321,375	19,542	19,081	91	110					
42	61	90.137	53.494,535	1.011.754,721	18,913	18,453	92	111					
43	62	89.432	52.420,920	958.260,187	18,280	17,820	93	112					
44	63	88.649	51.320,580	905.839,267	17,651	17,190	94						
45	64	87.810	50.207,168	854.518,686	17,020	16,559	95						
46	65	86.899	49.073,236	804.311,518	16,390	15,930	96						
47	66	85.897	47.908,375	755.238,282	15,764	15,304	97						
48	67	84.800	46.712,646	707.329,908	15,142	14,682	98						
49	68	83.595	45.480,541	660.617,262	14,525	14,065	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -20 Jahre

Zinsfuß 1,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	20	99.324	99.323,980	4.167.731,343	41,961	41,501	50	70	81.219	43.641,994	584.804,659	13,400	12,940
1	21	98.840	97.619,362	4.068.407,363	41,676	41,216	51	71	79.668	42.280,000	541.162,666	12,799	12,339
2	22	98.776	96.351,655	3.970.788,001	41,211	40,751	52	72	77.970	40.868,200	498.882,665	12,207	11,747
3	23	98.729	95.117,210	3.874.436,346	40,733	40,273	53	73	76.115	39.403,474	458.014,465	11,624	11,163
4	24	98.685	93.901,280	3.779.319,136	40,248	39,787	54	74	74.096	37.884,547	418.610,991	11,050	10,589
5	25	98.645	92.704,375	3.685.417,856	39,755	39,294	55	75	71.918	36.316,886	380.726,444	10,483	10,023
6	26	98.607	91.524,812	3.592.713,481	39,254	38,794	56	76	69.529	34.677,018	344.409,558	9,932	9,472
7	27	98.568	90.359,037	3.501.188,669	38,748	38,287	57	77	66.987	32.997,007	309.732,540	9,387	8,926
8	28	98.527	89.206,468	3.410.829,633	38,235	37,775	58	78	64.247	31.256,596	276.735,533	8,854	8,393
9	29	98.486	88.068,529	3.321.623,164	37,716	37,256	59	79	61.276	29.443,283	245.478,937	8,337	7,877
10	30	98.448	86.947,666	3.233.554,635	37,190	36,729	60	80	58.082	27.563,706	216.035,655	7,838	7,377
11	31	98.407	85.838,055	3.146.606,969	36,657	36,197	61	81	54.630	25.605,682	188.471,948	7,361	6,900
12	32	98.357	84.735,798	3.060.768,915	36,121	35,661	62	82	50.965	23.592,998	162.866,266	6,903	6,443
13	33	98.310	83.648,994	2.976.033,116	35,578	35,117	63	83	47.030	21.502,287	139.273,268	6,477	6,017
14	34	98.258	82.572,571	2.892.384,122	35,028	34,568	64	84	43.029	19.430,140	117.770,980	6,061	5,601
15	35	98.193	81.499,884	2.809.811,551	34,476	34,016	65	85	38.946	17.369,584	98.340,840	5,662	5,201
16	36	98.120	80.433,526	2.728.311,667	33,920	33,460	66	86	34.942	15.391,302	80.971,256	5,261	4,800
17	37	98.027	79.365,189	2.647.878,141	33,363	32,903	67	87	30.818	13.407,230	65.579,954	4,891	4,431
18	38	97.917	78.297,599	2.568.512,952	32,804	32,344	68	88	26.603	11.430,603	52.172,724	4,564	4,104
19	39	97.774	77.218,253	2.490.215,353	32,249	31,789	69	89	22.558	9.572,833	40.742,121	4,256	3,796
20	40	97.618	76.142,534	2.412.997,100	31,691	31,230	70	90	18.719	7.845,850	31.169,288	3,973	3,512
21	41	97.458	75.079,954	2.336.854,565	31,125	30,664	71	91	15.213	6.297,460	23.323,438	3,704	3,243
22	42	97.286	74.021,657	2.261.774,611	30,556	30,095	72	92	11.973	4.894,981	17.025,978	3,478	3,018
23	43	97.103	72.970,528	2.187.752,954	29,981	29,521	73	93	9.179	3.706,338	12.130,997	3,273	2,813
24	44	96.905	71.922,760	2.114.782,426	29,404	28,943	74	94	6.847	2.730,471	8.424,659	3,085	2,625
25	45	96.700	70.884,474	2.042.859,665	28,820	28,359	75	95	4.962	1.954,414	5.694,188	2,914	2,453
26	46	96.476	69.847,194	1.971.975,191	28,233	27,772	76	96	3.489	1.357,257	3.739,774	2,755	2,295
27	47	96.234	68.811,740	1.902.127,997	27,642	27,182	77	97	2.377	913,401	2.382,517	2,608	2,148
28	48	95.978	67.781,542	1.833.316,257	27,047	26,587	78	98	1.566	594,146	1.469,116	2,473	2,012
29	49	95.704	66.753,711	1.765.534,716	26,448	25,988	79	99	994	372,620	874,970	2,348	1,888
30	50	95.407	65.724,658	1.698.781,005	25,847	25,387	80	100	608	225,026	502,350	2,232	1,772
31	51	95.096	64.701,927	1.633.056,347	25,240	24,779	81	101	357	130,422	277,324	2,126	1,666
32	52	94.757	63.675,341	1.568.354,420	24,630	24,170	82	102	201	72,444	146,902	2,028	1,567
33	53	94.393	62.647,732	1.504.679,079	24,018	23,558	83	103	108	38,343	74,458	1,942	1,482
34	54	94.013	61.624,827	1.442.031,347	23,400	22,940	84	104	55	19,389	36,116	1,863	1,402
35	55	93.596	60.594,399	1.380.406,520	22,781	22,321	85	105	27	9,352	16,726	1,789	1,328
36	56	93.144	59.557,299	1.319.812,121	22,160	21,700	86	106					
37	57	92.666	58.519,735	1.260.254,823	21,536	21,075	87	107					
38	58	92.141	57.469,799	1.201.735,088	20,911	20,450	88	108					
39	59	91.570	56.409,122	1.144.265,288	20,285	19,825	89	109					
40	60	90.965	55.344,050	1.087.856,166	19,656	19,196	90	110					
41	61	90.308	54.266,305	1.032.512,116	19,027	18,566	91	111					
42	62	89.629	53.193,502	978.245,811	18,390	17,930	92	112					
43	63	88.869	52.091,041	925.052,309	17,758	17,298	93						
44	64	88.046	50.971,506	872.961,268	17,126	16,666	94						
45	65	87.167	49.840,012	821.989,762	16,493	16,032	95						
46	66	86.190	48.672,437	772.149,750	15,864	15,404	96						
47	67	85.119	47.474,489	723.477,314	15,239	14,779	97						
48	68	83.938	46.237,812	676.002,825	14,620	14,160	98						
49	69	82.639	44.960,354	629.765,013	14,007	13,547	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -21 Jahre

Zinsfuß 1,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	21	99.293	99.292,607	4.128.879,251	41,583	41,123	50	71	80.064	43.021,687	554.068,074	12,879	12,418
1	22	98.815	97.595,478	4.029.586,644	41,289	40,828	51	72	78.376	41.594,545	511.046,387	12,286	11,826
2	23	98.749	96.325,568	3.931.991,166	40,820	40,359	52	73	76.564	40.131,383	469.451,841	11,698	11,237
3	24	98.703	95.092,393	3.835.665,597	40,336	39,876	53	74	74.565	38.600,733	429.320,459	11,122	10,662
4	25	98.658	93.875,769	3.740.573,204	39,846	39,386	54	75	72.409	37.022,230	390.719,726	10,554	10,093
5	26	98.621	92.681,564	3.646.697,435	39,347	38,886	55	76	70.053	35.375,279	353.697,496	9,998	9,538
6	27	98.580	91.499,189	3.554.015,871	38,842	38,382	56	77	67.516	33.673,176	318.322,218	9,453	8,993
7	28	98.539	90.332,703	3.462.516,683	38,331	37,870	57	78	64.808	31.923,531	284.649,042	8,917	8,456
8	29	98.498	89.179,990	3.372.183,980	37,813	37,353	58	79	61.866	30.098,160	252.725,511	8,397	7,936
9	30	98.458	88.042,751	3.283.003,990	37,289	36,828	59	80	58.699	28.204,717	222.627,350	7,893	7,433
10	31	98.416	86.919,198	3.194.961,239	36,758	36,297	60	81	55.252	26.220,958	194.422,633	7,415	6,954
11	32	98.372	85.807,392	3.108.042,041	36,221	35,761	61	82	51.585	24.178,322	168.201,675	6,957	6,496
12	33	98.322	84.705,668	3.022.234,649	35,679	35,219	62	83	47.672	22.068,322	144.023,353	6,526	6,066
13	34	98.270	83.615,570	2.937.528,980	35,131	34,671	63	84	43.660	19.961,478	121.955,031	6,110	5,649
14	35	98.212	82.533,859	2.853.913,411	34,579	34,118	64	85	39.571	17.868,704	101.993,553	5,708	5,248
15	36	98.143	81.458,160	2.771.379,551	34,022	33,562	65	86	35.565	15.861,477	84.124,849	5,304	4,843
16	37	98.065	80.388,044	2.689.921,391	33,462	33,001	66	87	31.419	13.839,637	68.263,373	4,932	4,472
17	38	97.967	79.316,521	2.609.533,347	32,900	32,440	67	88	27.185	11.826,817	54.423,736	4,602	4,141
18	39	97.849	78.242,829	2.530.216,826	32,338	31,878	68	89	23.104	9.927,170	42.596,919	4,291	3,831
19	40	97.696	77.156,458	2.451.973,997	31,779	31,319	69	90	19.214	8.153,901	32.669,749	4,007	3,546
20	41	97.533	76.076,292	2.374.817,539	31,216	30,756	70	91	15.660	6.563,353	24.515,848	3,735	3,275
21	42	97.362	75.005,739	2.298.741,247	30,648	30,187	71	92	12.362	5.117,316	17.952,495	3,508	3,048
22	43	97.176	73.938,407	2.223.735,509	30,076	29,615	72	93	9.514	3.889,601	12.835,179	3,300	2,839
23	44	96.977	72.875,811	2.149.797,102	29,499	29,039	73	94	7.123	2.876,152	8.945,578	3,110	2,650
24	45	96.770	71.822,643	2.076.921,291	28,917	28,457	74	95	5.182	2.066,583	6.069,426	2,937	2,477
25	46	96.547	70.772,051	2.005.098,647	28,332	27,871	75	96	3.658	1.440,840	4.002,843	2,778	2,318
26	47	96.303	69.721,750	1.934.326,597	27,744	27,283	76	97	2.502	973,376	2.562,003	2,632	2,172
27	48	96.047	68.677,925	1.864.604,847	27,150	26,690	77	98	1.656	636,408	1.588,626	2,496	2,036
28	49	95.775	67.637,849	1.795.926,922	26,552	26,092	78	99	1.058	401,659	952,219	2,371	1,910
29	50	95.474	66.593,054	1.728.289,073	25,953	25,493	79	100	651	244,094	550,560	2,256	1,795
30	51	95.166	65.558,596	1.661.696,019	25,347	24,886	80	101	385	142,654	306,466	2,148	1,688
31	52	94.832	64.522,234	1.596.137,423	24,738	24,277	81	102	219	79,910	163,811	2,050	1,590
32	53	94.471	63.482,837	1.531.615,189	24,126	23,666	82	103	119	42,843	83,901	1,958	1,498
33	54	94.095	62.449,919	1.468.132,352	23,509	23,049	83	104	61	21,859	41,058	1,878	1,418
34	55	93.686	61.410,481	1.405.682,433	22,890	22,430	84	105	30	10,642	19,199	1,804	1,344
35	56	93.242	60.364,936	1.344.271,951	22,269	21,809	85	106					
36	57	92.770	59.318,193	1.283.907,015	21,644	21,184	86	107					
37	58	92.252	58.258,556	1.224.588,822	21,020	20,560	87	108					
38	59	91.697	57.193,046	1.166.330,266	20,393	19,932	88	109					
39	60	91.105	56.122,350	1.109.137,220	19,763	19,302	89	110					
40	61	90.464	55.039,422	1.053.014,870	19,132	18,672	90	111					
41	62	89.800	53.960,930	997.975,447	18,494	18,034	91	112					
42	63	89.065	52.858,761	944.014,518	17,859	17,399	92						
43	64	88.264	51.736,726	891.155,757	17,225	16,764	93						
44	65	87.402	50.598,761	839.419,031	16,590	16,129	94						
45	66	86.456	49.432,950	788.820,270	15,957	15,497	95						
46	67	85.409	48.231,631	739.387,320	15,330	14,870	96						
47	68	84.254	46.991,911	691.155,689	14,708	14,248	97						
48	69	82.978	45.708,964	644.163,779	14,093	13,632	98						
49	70	81.585	44.386,742	598.454,815	13,483	13,022	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -22 Jahre

Zinsfuß 1,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	22	99.268	99.268,313	4.088.993,258	41,191	40,731	50	72	78.766	42.324,208	523.013,464	12,357	11,897
1	23	98.789	97.569,055	3.989.724,945	40,891	40,431	51	73	76.963	40.844,633	480.689,257	11,769	11,308
2	24	98.723	96.300,436	3.892.155,890	40,417	39,956	52	74	75.004	39.313,812	439.844,624	11,188	10,728
3	25	98.676	95.066,559	3.795.855,454	39,928	39,468	53	75	72.867	37.722,114	400.530,813	10,618	10,158
4	26	98.634	93.852,669	3.700.788,895	39,432	38,972	54	76	70.532	36.062,335	362.808,699	10,061	9,600
5	27	98.593	92.655,617	3.606.936,226	38,928	38,468	55	77	68.025	34.351,223	326.746,364	9,512	9,052
6	28	98.551	91.472,523	3.514.280,609	38,419	37,959	56	78	65.319	32.577,703	292.395,141	8,975	8,515
7	29	98.510	90.305,890	3.422.808,086	37,902	37,442	57	79	62.406	30.740,378	259.817,438	8,452	7,992
8	30	98.469	89.153,886	3.332.502,196	37,379	36,919	58	80	59.264	28.832,047	229.077,060	7,945	7,485
9	31	98.425	88.013,924	3.243.348,310	36,850	36,390	59	81	55.839	26.830,742	200.245,014	7,463	7,003
10	32	98.381	86.888,149	3.155.334,386	36,315	35,855	60	82	52.172	24.759,300	173.414,271	7,004	6,544
11	33	98.337	85.776,881	3.068.446,236	35,772	35,312	61	83	48.251	22.615,819	148.654,971	6,573	6,113
12	34	98.283	84.671,822	2.982.669,355	35,226	34,766	62	84	44.256	20.486,952	126.039,152	6,152	5,692
13	35	98.224	83.576,369	2.897.997,533	34,675	34,214	63	85	40.151	18.357,343	105.552,201	5,750	5,289
14	36	98.161	82.491,606	2.814.421,163	34,118	33,657	64	86	36.135	16.317,260	87.194,858	5,344	4,883
15	37	98.088	81.412,099	2.731.929,558	33,557	33,096	65	87	31.979	14.262,411	70.877,597	4,970	4,509
16	38	98.004	80.338,749	2.650.517,459	32,992	32,531	66	88	27.716	12.208,252	56.615,186	4,637	4,177
17	39	97.898	79.261,038	2.570.178,710	32,427	31,966	67	89	23.610	10.271,271	44.406,934	4,323	3,863
18	40	97.770	78.180,214	2.490.917,672	31,861	31,401	68	90	19.679	8.455,717	34.135,663	4,037	3,577
19	41	97.611	77.089,334	2.412.737,458	31,298	30,838	69	91	16.073	6.821,049	25.679,946	3,765	3,304
20	42	97.436	76.001,091	2.335.648,125	30,732	30,271	70	92	12.725	5.333,380	18.858,897	3,536	3,076
21	43	97.253	74.921,382	2.259.647,033	30,160	29,700	71	93	9.823	4.066,271	13.525,516	3,326	2,866
22	44	97.050	73.842,433	2.184.725,652	29,586	29,126	72	94	7.383	3.018,366	9.459,246	3,134	2,674
23	45	96.842	72.774,367	2.110.883,218	29,006	28,545	73	95	5.391	2.176,843	6.440,880	2,959	2,498
24	46	96.617	71.708,732	2.038.108,851	28,422	27,962	74	96	3.820	1.523,534	4.264,037	2,799	2,338
25	47	96.373	70.644,946	1.966.400,119	27,835	27,375	75	97	2.623	1.033,319	2.740,503	2,652	2,192
26	48	96.116	69.586,165	1.895.755,174	27,243	26,783	76	98	1.743	678,195	1.707,184	2,517	2,057
27	49	95.843	68.532,333	1.826.169,008	26,647	26,186	77	99	1.120	430,229	1.028,989	2,392	1,931
28	50	95.544	67.475,064	1.757.636,675	26,049	25,588	78	100	693	263,117	598,759	2,276	1,815
29	51	95.233	66.424,798	1.690.161,612	25,445	24,984	79	101	413	154,742	335,642	2,169	1,709
30	52	94.901	65.376,524	1.623.736,814	24,837	24,376	80	102	236	87,405	180,900	2,070	1,609
31	53	94.545	64.327,170	1.558.360,290	24,226	23,765	81	103	129	47,259	93,495	1,978	1,518
32	54	94.172	63.282,387	1.494.033,120	23,609	23,149	82	104	68	24,425	46,236	1,893	1,433
33	55	93.768	62.232,703	1.430.750,733	22,990	22,530	83	105	34	11,997	21,811	1,818	1,358
34	56	93.331	61.177,928	1.368.518,029	22,369	21,909	84	106					
35	57	92.868	60.122,588	1.307.340,101	21,745	21,284	85	107					
36	58	92.356	59.053,450	1.247.217,513	21,120	20,660	86	108					
37	59	91.808	57.978,005	1.188.164,063	20,493	20,033	87	109					
38	60	91.231	56.902,289	1.130.186,058	19,862	19,401	88	110					
39	61	90.604	55.813,439	1.073.283,769	19,230	18,769	89	111					
40	62	89.955	54.729,696	1.017.470,330	18,591	18,130	90	112					
41	63	89.235	53.621,359	962.740,634	17,954	17,494	91						
42	64	88.459	52.499,224	909.119,275	17,317	16,856	92						
43	65	87.619	51.358,385	856.620,051	16,679	16,219	93						
44	66	86.688	50.185,502	805.261,666	16,046	15,585	94						
45	67	85.673	48.985,257	755.076,164	15,414	14,954	95						
46	68	84.541	47.741,356	706.090,908	14,790	14,330	96						
47	69	83.290	46.454,437	658.349,551	14,172	13,712	97						
48	70	81.919	45.125,801	611.895,114	13,560	13,099	98						
49	71	80.425	43.755,849	566.769,313	12,953	12,493	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -23 Jahre

Zinsfuß 1,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	23	99.241	99.241,437	4.048.085,458	40,790	40,330	50	73	77.346	41.561,140	491.748,985	11,832	11,372
1	24	98.763	97.543,598	3.948.844,021	40,483	40,022	51	74	75.395	40.012,531	450.187,845	11,251	10,791
2	25	98.696	96.274,274	3.851.300,422	40,003	39,543	52	75	73.297	38.418,962	410.175,314	10,676	10,216
3	26	98.652	95.043,166	3.755.026,149	39,509	39,048	53	76	70.978	36.744,073	371.756,352	10,117	9,657
4	27	98.606	93.826,394	3.659.982,983	39,008	38,548	54	77	68.490	35.018,390	335.012,279	9,567	9,106
5	28	98.564	92.628,614	3.566.156,588	38,500	38,039	55	78	65.812	33.233,691	299.993,890	9,027	8,566
6	29	98.522	91.445,372	3.473.527,974	37,985	37,524	56	79	62.899	31.370,304	266.760,198	8,504	8,043
7	30	98.481	90.279,457	3.382.082,602	37,462	37,002	57	80	59.781	29.447,249	235.389,894	7,994	7,533
8	31	98.437	89.124,695	3.291.803,145	36,935	36,474	58	81	56.377	27.427,512	205.942,645	7,509	7,048
9	32	98.390	87.982,485	3.202.678,450	36,401	35,941	59	82	52.727	25.335,092	178.515,133	7,046	6,586
10	33	98.346	86.857,254	3.114.695,965	35,860	35,400	60	83	48.801	23.159,252	153.180,041	6,614	6,154
11	34	98.297	85.742,607	3.027.838,711	35,313	34,853	61	84	44.794	20.995,217	130.020,789	6,193	5,732
12	35	98.237	84.632,126	2.942.096,104	34,763	34,303	62	85	40.699	18.840,589	109.025,573	5,787	5,326
13	36	98.174	83.533,582	2.857.463,978	34,207	33,747	63	86	36.665	16.763,474	90.184,984	5,380	4,919
14	37	98.106	82.444,960	2.773.930,396	33,646	33,185	64	87	32.492	14.672,245	73.421,510	5,004	4,544
15	38	98.028	81.362,175	2.691.485,436	33,080	32,620	65	88	28.210	12.581,191	58.749,265	4,670	4,209
16	39	97.936	80.282,551	2.610.123,261	32,512	32,051	66	89	24.070	10.602,537	46.168,074	4,354	3,894
17	40	97.820	79.197,609	2.529.840,710	31,943	31,483	67	90	20.110	8.748,814	35.565,537	4,065	3,605
18	41	97.685	78.112,199	2.450.643,102	31,373	30,913	68	91	16.463	7.073,529	26.816,723	3,791	3,331
19	42	97.515	77.013,132	2.372.530,903	30,807	30,346	69	92	13.061	5.542,785	19.743,193	3,562	3,102
20	43	97.327	75.915,615	2.295.517,771	30,238	29,777	70	93	10.111	4.237,958	14.200,409	3,351	2,890
21	44	97.126	74.824,132	2.219.602,156	29,664	29,204	71	94	7.623	3.155,463	9.962,451	3,157	2,697
22	45	96.915	73.739,644	2.144.778,024	29,086	28,625	72	95	5.588	2.284,479	6.806,988	2,980	2,519
23	46	96.689	72.658,947	2.071.038,380	28,504	28,043	73	96	3.974	1.604,820	4.522,509	2,818	2,358
24	47	96.443	71.579,944	1.998.379,433	27,918	27,458	74	97	2.740	1.092,624	2.917,689	2,670	2,210
25	48	96.186	70.507,566	1.926.799,489	27,328	26,867	75	98	1.828	719,960	1.825,065	2,535	2,075
26	49	95.912	69.438,647	1.856.291,923	26,733	26,272	76	99	1.179	458,479	1.105,105	2,410	1,950
27	50	95.613	68.367,394	1.786.853,275	26,136	25,676	77	100	734	281,832	646,626	2,294	1,834
28	51	95.303	67.304,579	1.718.485,881	25,533	25,073	78	101	440	166,802	364,794	2,187	1,727
29	52	94.968	66.240,320	1.651.181,302	24,927	24,467	79	102	253	94,811	197,992	2,088	1,628
30	53	94.615	65.178,877	1.584.940,982	24,317	23,856	80	103	140	51,691	103,181	1,996	1,536
31	54	94.247	64.124,055	1.519.762,105	23,700	23,240	81	104	74	26,942	51,489	1,911	1,451
32	55	93.845	63.062,276	1.455.638,050	23,083	22,622	82	105	37	13,406	24,547	1,831	1,371
33	56	93.413	61.997,037	1.392.575,774	22,462	22,002	83	106					
34	57	92.956	60.932,316	1.330.578,737	21,837	21,377	84	107					
35	58	92.453	59.854,256	1.269.646,421	21,212	20,752	85	108					
36	59	91.912	58.769,071	1.209.792,166	20,586	20,125	86	109					
37	60	91.341	57.683,257	1.151.023,095	19,954	19,494	87	110					
38	61	90.729	56.589,084	1.093.339,838	19,321	18,860	88	111					
39	62	90.094	55.499,357	1.036.750,753	18,680	18,220	89	112					
40	63	89.389	54.385,288	981.251,396	18,043	17,582	90						
41	64	88.628	53.256,635	926.866,109	17,404	16,943	91						
42	65	87.813	52.115,307	873.609,473	16,763	16,303	92						
43	66	86.903	50.938,921	821.494,166	16,127	15,667	93						
44	67	85.903	49.730,993	770.555,245	15,494	15,034	94						
45	68	84.802	48.487,322	720.824,252	14,866	14,406	95						
46	69	83.574	47.195,311	672.336,930	14,246	13,785	96						
47	70	82.228	45.861,763	625.141,619	13,631	13,171	97						
48	71	80.755	44.484,404	579.279,856	13,022	12,562	98						
49	72	79.121	43.046,467	534.795,452	12,424	11,963	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -24 Jahre

Zinsfuß 1,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	24	99.216	99.215,545	4.006.176,941	40,379	39,918	50	74	75.770	40.714,441	460.371,622	11,307	10,847
1	25	98.736	97.517,098	3.906.961,396	40,064	39,604	51	75	73.679	39.101,777	419.657,181	10,732	10,272
2	26	98.672	96.250,584	3.809.444,298	39,578	39,118	52	76	71.397	37.422,853	380.555,404	10,169	9,709
3	27	98.624	95.016,558	3.713.193,714	39,079	38,619	53	77	68.923	35.680,393	343.132,551	9,617	9,156
4	28	98.578	93.799,050	3.618.177,157	38,574	38,113	54	78	66.262	33.879,154	307.452,158	9,075	8,615
5	29	98.535	92.601,120	3.524.378,106	38,060	37,599	55	79	63.373	32.001,981	273.573,004	8,549	8,088
6	30	98.493	91.418,605	3.431.776,986	37,539	37,079	56	80	60.253	30.050,676	241.571,024	8,039	7,578
7	31	98.449	90.249,898	3.340.358,381	37,012	36,552	57	81	56.869	28.012,745	211.520,347	7,551	7,090
8	32	98.402	89.092,859	3.250.108,483	36,480	36,020	58	82	53.234	25.898,596	183.507,603	7,086	6,625
9	33	98.355	87.951,200	3.161.015,624	35,941	35,480	59	83	49.319	23.697,834	157.609,007	6,651	6,190
10	34	98.307	86.822,548	3.073.064,423	35,395	34,934	60	84	45.304	21.499,708	133.911,173	6,229	5,768
11	35	98.251	85.702,409	2.986.241,875	34,844	34,384	61	85	41.194	19.308,009	112.411,465	5,822	5,362
12	36	98.187	84.588,798	2.900.539,466	34,290	33,829	62	86	37.166	17.204,762	93.103,456	5,411	4,951
13	37	98.118	83.486,347	2.815.950,668	33,729	33,269	63	87	32.969	15.073,474	75.898,695	5,035	4,575
14	38	98.046	82.394,403	2.732.464,321	33,163	32,703	64	88	28.662	12.942,715	60.825,221	4,700	4,239
15	39	97.959	81.305,261	2.650.069,918	32,594	32,134	65	89	24.499	10.926,425	47.882,506	4,382	3,922
16	40	97.857	80.218,304	2.568.764,656	32,022	31,562	66	90	20.503	9.030,978	36.956,081	4,092	3,632
17	41	97.735	79.128,708	2.488.546,353	31,449	30,989	67	91	16.823	7.318,716	27.925,103	3,816	3,355
18	42	97.589	78.034,986	2.409.417,645	30,876	30,416	68	92	13.378	5.747,950	20.606,387	3,585	3,125
19	43	97.405	76.926,517	2.331.382,659	30,307	29,846	69	93	10.379	4.404,352	14.858,437	3,374	2,913
20	44	97.200	75.817,075	2.254.456,142	29,735	29,275	70	94	7.846	3.288,694	10.454,085	3,179	2,718
21	45	96.991	74.719,977	2.178.639,067	29,157	28,697	71	95	5.769	2.388,242	7.165,391	3,000	2,540
22	46	96.761	73.622,692	2.103.919,090	28,577	28,117	72	96	4.119	1.684,172	4.777,148	2,836	2,376
23	47	96.515	72.528,453	2.030.296,398	27,993	27,533	73	97	2.850	1.150,920	3.092,977	2,687	2,227
24	48	96.256	71.440,747	1.957.767,945	27,404	26,944	74	98	1.909	761,280	1.942,057	2,551	2,091
25	49	95.982	70.358,095	1.886.327,199	26,810	26,350	75	99	1.236	486,713	1.180,777	2,426	1,966
26	50	95.681	69.271,528	1.815.969,104	26,215	25,755	76	100	772	300,338	694,064	2,311	1,851
27	51	95.371	68.194,655	1.746.697,576	25,613	25,153	77	101	465	178,667	393,726	2,204	1,743
28	52	95.038	67.117,658	1.678.502,921	25,008	24,548	78	102	269	102,200	215,059	2,104	1,644
29	53	94.681	66.040,062	1.611.385,263	24,400	23,940	79	103	159	56,072	112,859	2,013	1,552
30	54	94.316	64.973,072	1.545.345,201	23,784	23,324	80	104	80	29,469	56,787	1,927	1,467
31	55	93.919	63.901,016	1.480.372,129	23,167	22,706	81	105	40	14,787	27,318	1,847	1,387
32	56	93.490	62.823,468	1.416.471,113	22,547	22,086	82	106					
33	57	93.038	61.748,136	1.353.647,645	21,922	21,462	83	107					
34	58	92.541	60.660,370	1.291.899,509	21,297	20,837	84	108					
35	59	92.008	59.566,020	1.231.239,139	20,670	20,210	85	109					
36	60	91.444	58.470,302	1.171.673,120	20,039	19,578	86	110					
37	61	90.838	57.365,754	1.113.202,818	19,405	18,945	87	111					
38	62	90.218	56.270,638	1.055.837,064	18,764	18,303	88	112					
39	63	89.527	55.150,105	999.566,426	18,124	17,664	89						
40	64	88.781	54.015,368	944.416,321	17,484	17,024	90						
41	65	87.980	52.867,179	890.400,953	16,842	16,382	91						
42	66	87.095	51.689,662	837.533,774	16,203	15,743	92						
43	67	86.116	50.477,589	785.844,112	15,568	15,108	93						
44	68	85.030	49.225,477	735.366,523	14,939	14,478	94						
45	69	83.832	47.932,745	686.141,046	14,315	13,854	95						
46	70	82.508	46.593,185	638.208,301	13,697	13,237	96						
47	71	81.059	45.209,906	591.615,116	13,086	12,626	97						
48	72	79.446	43.763,210	546.405,210	12,485	12,025	98						
49	73	77.695	42.270,378	502.642,000	11,891	11,431	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -25 Jahre

Zinsfuß 1,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	25	99.189	99.188,590	3.963.284,302	39,957	39,497	50	75	74.046	39.787,711	428.996,936	10,782	10,322
1	26	98.712	97.493,102	3.864.095,712	39,635	39,174	51	76	71.769	38.087,965	389.209,225	10,219	9,758
2	27	98.644	96.223,638	3.766.602,610	39,144	38,684	52	77	69.330	36.339,524	351.121,260	9,662	9,202
3	28	98.596	94.988,867	3.670.378,972	38,640	38,180	53	78	66.681	34.519,620	314.781,736	9,119	8,659
4	29	98.548	93.771,209	3.575.390,105	38,129	37,668	54	79	63.806	32.623,521	280.262,117	8,591	8,130
5	30	98.506	92.574,015	3.481.618,896	37,609	37,149	55	80	60.707	30.655,781	247.638,596	8,078	7,618
6	31	98.461	91.388,673	3.389.044,882	37,084	36,623	56	81	57.317	28.586,777	216.982,815	7,590	7,130
7	32	98.414	90.217,660	3.297.656,209	36,552	36,092	57	82	53.699	26.451,205	188.396,039	7,122	6,662
8	33	98.367	89.061,180	3.207.438,549	36,014	35,553	58	83	49.794	24.224,922	161.944,833	6,685	6,225
9	34	98.316	87.916,057	3.118.377,369	35,470	35,010	59	84	45.785	21.999,697	137.719,912	6,260	5,800
10	35	98.261	86.781,844	3.030.461,311	34,920	34,460	60	85	41.663	19.771,958	115.720,215	5,853	5,392
11	36	98.201	85.658,533	2.943.679,468	34,365	33,905	61	86	37.617	17.631,598	95.948,257	5,442	4,981
12	37	98.131	84.540,967	2.858.020,934	33,806	33,346	62	87	33.419	15.470,274	78.316,659	5,062	4,602
13	38	98.058	83.435,152	2.773.479,968	33,241	32,781	63	88	29.082	13.296,648	62.846,385	4,726	4,266
14	39	97.977	82.336,767	2.690.044,816	32,671	32,211	64	89	24.892	11.240,398	49.549,737	4,408	3,948
15	40	97.881	81.240,196	2.607.708,049	32,099	31,638	65	90	20.868	9.306,857	38.309,339	4,116	3,656
16	41	97.772	80.148,515	2.526.467,853	31,522	31,062	66	91	17.151	7.554,757	29.002,481	3,839	3,379
17	42	97.638	79.050,490	2.446.319,338	30,946	30,486	67	92	13.670	5.947,189	21.447,724	3,606	3,146
18	43	97.479	77.947,222	2.367.268,847	30,370	29,910	68	93	10.630	4.567,379	15.500,536	3,394	2,933
19	44	97.279	76.826,665	2.289.321,625	29,799	29,338	69	94	8.054	3.417,818	10.933,157	3,199	2,738
20	45	97.065	75.711,537	2.212.494,960	29,223	28,762	70	95	5.939	2.489,079	7.515,339	3,019	2,559
21	46	96.837	74.601,470	2.136.783,423	28,643	28,182	71	96	4.253	1.760,668	5.026,260	2,855	2,394
22	47	96.588	73.490,467	2.062.181,953	28,061	27,600	72	97	2.954	1.207,828	3.265,592	2,704	2,243
23	48	96.327	72.387,410	1.988.691,486	27,473	27,013	73	98	1.986	801,898	2.057,764	2,566	2,106
24	49	96.052	71.289,297	1.916.304,076	26,881	26,420	74	99	1.290	514,647	1.255,866	2,440	1,980
25	50	95.751	70.188,762	1.845.014,779	26,286	25,826	75	100	809	318,833	741,219	2,325	1,864
26	51	95.439	69.096,504	1.774.826,016	25,686	25,226	76	101	489	190,398	422,386	2,218	1,758
27	52	95.106	68.005,262	1.705.729,512	25,082	24,622	77	102	285	109,470	231,988	2,119	1,659
28	53	94.751	66.914,748	1.637.724,250	24,475	24,014	78	103	159	60,441	122,518	2,027	1,567
29	54	94.382	65.831,538	1.570.809,502	23,861	23,401	79	104	85	31,966	62,077	1,942	1,482
30	55	93.988	64.747,080	1.504.977,964	23,244	22,784	80	105	44	16,174	30,110	1,862	1,401
31	56	93.563	63.659,032	1.440.230,884	22,624	22,164	81	106					
32	57	93.114	62.571,249	1.376.571,853	22,000	21,540	82	107					
33	58	92.623	61.472,549	1.314.000,603	21,375	20,915	83	108					
34	59	92.096	60.368,252	1.252.528,055	20,748	20,288	84	109					
35	60	91.540	59.263,199	1.192.159,803	20,116	19,656	85	110					
36	61	90.941	58.148,466	1.132.896,604	19,483	19,022	86	111					
37	62	90.327	57.042,937	1.074.748,138	18,841	18,381	87	112					
38	63	89.650	55.916,532	1.017.705,201	18,200	17,740	88						
39	64	88.918	54.774,983	961.788,668	17,559	17,099	89						
40	65	88.131	53.620,363	907.013,685	16,915	16,455	90						
41	66	87.261	52.435,393	853.393,322	16,275	15,815	91						
42	67	86.307	51.221,530	800.957,928	15,637	15,177	92						
43	68	85.241	49.964,485	749.736,398	15,005	14,545	93						
44	69	84.057	48.662,458	699.771,914	14,380	13,920	94						
45	70	82.762	47.321,210	651.109,456	13,759	13,299	95						
46	71	81.335	45.930,931	603.788,246	13,146	12,685	96						
47	72	79.745	44.476,950	557.857,315	12,543	12,082	97						
48	73	78.013	42.974,198	513.380,365	11,946	11,486	98						
49	74	76.112	41.409,230	470.406,166	11,360	10,900	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 1 Jahr

Zinsfuß 1,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	49	91.859	49.359,424	1.053.884,102	21,351	20,891
1	0	99.544	98.314,834	4.616.305,722	46,954	46,494	51	50	91.184	48.391,730	1.004.524,678	20,758	20,298
2	1	99.126	96.693,305	4.517.990,888	46,725	46,265	52	51	90.482	47.426,555	956.132,948	20,160	19,700
3	2	99.070	95.446,138	4.421.297,582	46,322	45,862	53	52	89.702	46.437,001	908.706,393	19,569	19,108
4	3	99.033	94.231,960	4.325.851,444	45,906	45,446	54	53	88.868	45.437,639	862.269,392	18,977	18,517
5	4	99.002	93.040,149	4.231.619,484	45,482	45,021	55	54	87.986	44.431,228	816.831,753	18,384	17,924
6	5	98.976	91.867,055	4.138.579,336	45,050	44,589	56	55	87.024	43.402,723	772.400,525	17,796	17,336
7	6	98.952	90.710,459	4.046.712,281	44,611	44,151	57	56	86.015	42.370,122	728.997,802	17,205	16,745
8	7	98.930	89.571,260	3.956.001,822	44,166	43,706	58	57	84.929	41.318,389	686.627,680	16,618	16,158
9	8	98.910	88.447,220	3.866.430,562	43,715	43,254	59	58	83.744	40.238,986	645.309,291	16,037	15,577
10	9	98.891	87.338,719	3.777.983,343	43,257	42,796	60	59	82.465	39.135,099	605.070,305	15,461	15,001
11	10	98.875	86.246,784	3.690.644,624	42,792	42,331	61	60	81.122	38.022,507	565.935,206	14,884	14,424
12	11	98.853	85.162,541	3.604.397,839	42,324	41,863	62	61	79.706	36.897,816	527.912,699	14,307	13,847
13	12	98.831	84.092,281	3.519.235,298	41,850	41,389	63	62	78.190	35.749,106	491.014,883	13,735	13,275
14	13	98.809	83.036,283	3.435.143,018	41,369	40,909	64	63	76.575	34.578,553	455.265,776	13,166	12,706
15	14	98.782	81.988,069	3.352.106,735	40,885	40,425	65	64	74.854	33.384,056	420.687,224	12,601	12,141
16	15	98.747	80.947,336	3.270.118,666	40,398	39,938	66	65	73.005	32.157,571	387.303,168	12,044	11,584
17	16	98.691	79.903,086	3.189.171,331	39,913	39,453	67	66	71.024	30.898,401	355.145,597	11,494	11,034
18	17	98.620	78.859,924	3.109.268,245	39,428	38,967	68	67	68.873	29.592,805	324.247,196	10,957	10,497
19	18	98.524	77.810,144	3.030.408,321	38,946	38,486	69	68	66.561	28.246,456	294.654,391	10,432	9,971
20	19	98.416	76.765,547	2.952.598,177	38,463	38,002	70	69	64.105	26.868,450	266.407,935	9,915	9,455
21	20	98.314	75.739,181	2.875.832,630	37,970	37,510	71	70	61.483	25.451,057	239.539,485	9,412	8,951
22	21	98.206	74.721,867	2.800.093,449	37,474	37,013	72	71	58.700	23.999,238	214.088,427	8,921	8,460
23	22	98.108	73.725,690	2.725.371,582	36,966	36,506	73	72	55.716	22.497,737	190.089,189	8,449	7,989
24	23	98.009	72.741,826	2.651.645,891	36,453	35,992	74	73	52.589	20.973,128	167.591,452	7,991	7,530
25	24	97.912	71.772,919	2.578.904,066	35,931	35,471	75	74	49.330	19.430,681	146.618,325	7,546	7,085
26	25	97.814	70.815,738	2.507.131,147	35,404	34,943	76	75	45.979	17.886,882	127.187,644	7,111	6,650
27	26	97.720	69.874,252	2.436.315,408	34,867	34,407	77	76	42.552	16.349,581	109.300,762	6,685	6,225
28	27	97.623	68.942,947	2.366.441,156	34,325	33,864	78	77	39.059	14.822,006	92.951,181	6,271	5,811
29	28	97.522	68.021,920	2.297.498,209	33,776	33,315	79	78	35.494	13.303,052	78.129,175	5,873	5,413
30	29	97.425	67.114,964	2.229.476,289	33,219	32,758	80	79	31.903	11.809,336	64.826,123	5,489	5,029
31	30	97.325	66.218,569	2.162.361,325	32,655	32,195	81	80	28.289	10.342,546	53.016,787	5,126	4,666
32	31	97.217	65.328,014	2.096.142,756	32,086	31,626	82	81	24.702	8.919,419	42.674,240	4,784	4,324
33	32	97.102	64.445,607	2.030.814,742	31,512	31,052	83	82	21.136	7.537,458	33.754,822	4,478	4,018
34	33	96.983	63.571,535	1.966.369,135	30,932	30,471	84	83	17.755	6.253,786	26.217,364	4,192	3,732
35	34	96.851	62.701,671	1.902.797,600	30,347	29,886	85	84	14.665	5.101,722	19.963,578	3,913	3,453
36	35	96.705	61.833,767	1.840.095,929	29,759	29,298	86	85	11.920	4.095,341	14.861,856	3,629	3,169
37	36	96.546	60.970,218	1.778.262,162	29,166	28,706	87	86	9.443	3.204,322	10.766,515	3,360	2,900
38	37	96.375	60.110,738	1.717.291,944	28,569	28,108	88	87	7.216	2.418,359	7.562,193	3,127	2,667
39	38	96.183	59.250,467	1.657.181,206	27,969	27,509	89	88	5.312	1.758,249	5.143,834	2,926	2,465
40	39	95.968	58.387,914	1.597.930,738	27,367	26,907	90	89	3.784	1.236,981	3.385,585	2,737	2,277
41	40	95.726	57.521,693	1.539.542,824	26,765	26,304	91	90	2.598	838,728	2.148,604	2,562	2,101
42	41	95.461	56.654,294	1.482.021,131	26,159	25,699	92	91	1.711	545,571	1.309,876	2,401	1,941
43	42	95.156	55.776,258	1.425.366,838	25,555	25,095	93	92	1.071	337,188	764,305	2,267	1,806
44	43	94.814	54.889,489	1.369.590,579	24,952	24,491	94	93	640	199,087	427,117	2,145	1,685
45	44	94.436	53.996,220	1.314.701,090	24,348	23,888	95	94	365	112,016	228,030	2,036	1,575
46	45	94.015	53.091,495	1.260.704,870	23,746	23,286	96	95	197	59,908	116,014	1,937	1,476
47	46	93.547	52.175,181	1.207.613,375	23,145	22,685	97	96	101	30,379	56,106	1,847	1,386
48	47	93.029	51.245,702	1.155.438,194	22,547	22,087	98	97	49	14,570	25,726	1,766	1,305
49	48	92.469	50.308,390	1.104.192,492	21,948	21,488	99	98	23	6,593	11,156	1,692	1,232
							100	99	10	2,807	4,564	1,626	1,165

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 2 Jahre

Zinsfuß 1,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	48	92,054	49,464,285	1,065,916,934	21,549	21,089
1							51	49	91,404	48,508,476	1,016,452,648	20,954	20,494
2	0	99,504	97,061,843	4,531,733,603	46,689	46,229	52	50	90,711	47,546,688	967,944,172	20,358	19,897
3	1	99,106	95,480,334	4,434,671,760	46,446	45,986	53	51	89,952	46,566,327	920,397,484	19,765	19,305
4	2	99,052	94,250,594	4,339,191,426	46,039	45,578	54	52	89,138	45,575,423	873,831,157	19,173	18,713
5	3	99,019	93,056,121	4,244,940,832	45,617	45,157	55	53	88,265	44,571,966	828,255,734	18,582	18,122
6	4	98,989	91,878,921	4,151,884,711	45,189	44,728	56	54	87,328	43,554,215	783,683,768	17,993	17,533
7	5	98,964	90,722,318	4,060,005,790	44,752	44,292	57	55	86,342	42,531,181	740,129,553	17,402	16,942
8	6	98,939	89,579,514	3,969,283,471	44,310	43,850	58	56	85,271	41,484,940	697,598,372	16,816	16,355
9	7	98,918	88,454,923	3,879,703,957	43,861	43,400	59	57	84,119	40,419,381	656,113,432	16,233	15,772
10	8	98,901	87,347,104	3,791,249,034	43,404	42,944	60	58	82,864	39,324,471	615,694,051	15,657	15,196
11	9	98,882	86,252,358	3,703,901,930	42,943	42,482	61	59	81,536	38,216,793	576,369,580	15,082	14,621
12	10	98,861	85,169,703	3,617,649,573	42,476	42,015	62	60	80,147	37,102,035	538,152,787	14,505	14,044
13	11	98,840	84,100,167	3,532,479,869	42,003	41,543	63	61	78,633	35,951,418	501,050,752	13,937	13,476
14	12	98,818	83,043,335	3,448,379,702	41,525	41,065	64	62	77,060	34,797,530	465,099,334	13,366	12,905
15	13	98,791	81,996,013	3,365,336,367	41,043	40,582	65	63	75,367	33,612,683	430,301,804	12,802	12,341
16	14	98,758	80,956,769	3,283,340,353	40,557	40,096	66	64	73,543	32,394,466	396,689,121	12,246	11,785
17	15	98,709	79,917,364	3,202,383,585	40,071	39,611	67	65	71,609	31,152,838	364,294,655	11,694	11,233
18	16	98,641	78,876,628	3,122,466,220	39,587	39,126	68	66	69,502	29,863,264	333,141,817	11,156	10,695
19	17	98,546	77,827,268	3,043,589,592	39,107	38,647	69	67	67,245	28,536,529	303,278,553	10,628	10,167
20	18	98,445	76,787,630	2,965,762,324	38,623	38,163	70	68	64,847	27,179,316	274,742,023	10,108	9,648
21	19	98,341	75,760,182	2,888,974,694	38,133	37,673	71	69	62,277	25,779,963	247,562,707	9,603	9,143
22	20	98,237	74,745,476	2,813,214,512	37,637	37,177	72	70	59,547	24,345,271	221,782,745	9,110	8,650
23	21	98,132	73,743,733	2,738,469,035	37,135	36,675	73	71	56,634	22,868,487	197,437,474	8,634	8,173
24	22	98,035	72,761,525	2,664,725,302	36,623	36,162	74	72	53,555	21,358,197	174,568,987	8,173	7,713
25	23	97,938	71,791,650	2,591,963,777	36,104	35,644	75	73	50,356	19,834,761	153,210,791	7,724	7,264
26	24	97,840	70,834,983	2,520,172,127	35,578	35,118	76	74	47,050	18,303,501	133,376,029	7,287	6,827
27	25	97,744	69,891,450	2,449,337,144	35,045	34,584	77	75	43,685	16,784,769	115,072,528	6,856	6,395
28	26	97,650	68,962,254	2,379,445,694	34,504	34,043	78	76	40,223	15,263,869	98,287,759	6,439	5,979
29	27	97,551	68,041,750	2,310,483,441	33,957	33,496	79	77	36,688	13,750,387	83,023,890	6,038	5,578
30	28	97,454	67,134,891	2,242,441,691	33,402	32,942	80	78	33,131	12,263,861	69,273,503	5,649	5,188
31	29	97,354	66,237,958	2,175,306,800	32,841	32,380	81	79	29,532	10,796,723	57,009,642	5,280	4,820
32	30	97,248	65,349,411	2,109,068,843	32,274	31,813	82	80	25,967	9,376,173	46,212,919	4,929	4,468
33	31	97,137	64,468,636	2,043,719,432	31,701	31,241	83	81	22,383	7,982,429	36,836,746	4,615	4,154
34	32	97,017	63,594,148	1,979,250,796	31,123	30,663	84	82	18,982	6,685,854	28,854,317	4,316	3,855
35	33	96,890	62,726,735	1,915,656,648	30,540	30,079	85	83	15,797	5,495,519	22,168,463	4,034	3,574
36	34	96,750	61,862,769	1,852,929,913	29,952	29,492	86	84	12,961	4,453,208	16,672,944	3,744	3,284
37	35	96,595	61,001,448	1,791,067,144	29,361	28,901	87	85	10,341	3,508,988	12,219,736	3,482	3,022
38	36	96,429	60,144,748	1,730,065,696	28,765	28,305	88	86	8,025	2,689,499	8,710,748	3,239	2,778
39	37	96,242	59,286,823	1,669,920,948	28,167	27,706	89	87	6,022	1,993,203	6,021,249	3,021	2,561
40	38	96,035	58,428,786	1,610,634,125	27,566	27,105	90	88	4,357	1,424,317	4,028,046	2,828	2,368
41	39	95,802	57,567,762	1,552,205,339	26,963	26,503	91	89	3,050	984,683	2,603,728	2,644	2,184
42	40	95,544	56,703,625	1,494,637,577	26,359	25,898	92	90	2,045	652,177	1,619,045	2,483	2,022
43	41	95,250	55,831,447	1,437,933,952	25,755	25,295	93	91	1,317	414,949	966,868	2,330	1,870
44	42	94,920	54,951,291	1,382,102,505	25,151	24,691	94	92	805	250,547	551,919	2,203	1,742
45	43	94,559	54,066,399	1,327,151,214	24,547	24,086	95	93	470	144,348	301,372	2,088	1,627
46	44	94,146	53,165,502	1,273,084,814	23,946	23,485	96	94	261	79,154	157,023	1,984	1,523
47	45	93,696	52,258,062	1,219,919,313	23,344	22,884	97	95	137	41,208	77,870	1,890	1,429
48	46	93,197	51,337,904	1,167,661,250	22,745	22,284	98	96	69	20,316	36,662	1,805	1,344
49	47	92,649	50,406,413	1,116,323,346	22,146	21,686	99	97	32	9,462	16,346	1,727	1,267
							100	98	14	4,152	6,884	1,658	1,197

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 3 Jahre

Zinsfuß 1,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	47	92.234	49.560,663	1.077.093,205	21,733	21,272
1							51	48	91.598	48.611,529	1.027.532,542	21,138	20,677
2							52	49	90.930	47.661,396	978.921,012	20,539	20,079
3	0	99.484	95.844,248	4.447.437,730	46,403	45,942	53	50	90.179	46.684,280	931.259,616	19,948	19,488
4	1	99.088	94.284,361	4.351.593,481	46,154	45,694	54	51	89.386	45.702,350	884.575,336	19,355	18,895
5	2	99.039	93.074,523	4.257.309,120	45,741	45,280	55	52	88.533	44.707,125	838.872,986	18,764	18,303
6	3	99.006	91.894,695	4.164.234,597	45,315	44,855	56	53	87.604	43.692,175	794.165,862	18,176	17,716
7	4	98.977	90.734,037	4.072.339,902	44,882	44,422	57	54	86.644	42.679,631	750.473,687	17,584	17,123
8	5	98.952	89.591,226	3.981.605,865	44,442	43,982	58	55	85.595	41.642,635	707.794,055	16,997	16,536
9	6	98.928	88.463,075	3.892.014,639	43,996	43,536	59	56	84.459	40.582,308	666.151,421	16,415	15,954
10	7	98.909	87.354,711	3.803.551,564	43,541	43,081	60	57	83.235	39.500,767	625.569,113	15,837	15,376
11	8	98.891	86.260,638	3.716.196,853	43,081	42,621	61	58	81.931	38.401,721	586.068,346	15,262	14,801
12	9	98.868	85.175,207	3.629.936,215	42,617	42,157	62	59	80.557	37.291,617	547.666,625	14,686	14,226
13	10	98.848	84.107,240	3.544.761,008	42,146	41,685	63	60	79.068	36.150,399	510.375,008	14,118	13,658
14	11	98.827	83.051,124	3.460.653,768	41,669	41,209	64	61	77.496	34.994,456	474.224,609	13,551	13,091
15	12	98.800	82.002,978	3.377.602,644	41,189	40,728	65	62	75.844	33.825,544	439.230,153	12,985	12,525
16	13	98.768	80.964,614	3.295.599,667	40,704	40,244	66	63	74.047	32.616,317	405.404,609	12,430	11,969
17	14	98.720	79.926,678	3.214.635,053	40,220	39,759	67	64	72.136	31.382,332	372.788,292	11,879	11,419
18	15	98.659	78.890,724	3.134.708,375	39,735	39,274	68	65	70.075	30.109,177	341.405,961	11,339	10,879
19	16	98.567	77.843,753	3.055.817,652	39,256	38,795	69	66	67.859	28.797,335	311.296,784	10,810	10,350
20	17	98.466	76.804,529	2.977.973,898	38,773	38,313	70	67	65.513	27.458,430	282.499,449	10,288	9,828
21	18	98.370	75.781,977	2.901.169,370	38,283	37,823	71	68	62.998	26.078,234	255.041,018	9,780	9,319
22	19	98.264	74.766,202	2.825.387,393	37,790	37,329	72	69	60.316	24.659,886	228.962,784	9,285	8,824
23	20	98.163	73.767,033	2.750.621,191	37,288	36,828	73	70	57.450	23.198,215	204.302,898	8,807	8,346
24	21	98.059	72.779,332	2.676.854,158	36,780	36,320	74	71	54.437	21.710,168	181.104,683	8,342	7,882
25	22	97.964	71.811,092	2.604.074,826	36,263	35,802	75	72	51.281	20.198,930	159.394,515	7,891	7,431
26	23	97.866	70.853,469	2.532.263,734	35,739	35,279	76	73	48.028	18.684,141	139.195,584	7,450	6,990
27	24	97.771	69.910,443	2.461.410,265	35,208	34,748	77	74	44.703	17.175,717	120.511,443	7,016	6,556
28	25	97.674	68.979,227	2.391.499,822	34,670	34,209	78	75	41.294	15.670,158	103.335,726	6,594	6,134
29	26	97.578	68.060,804	2.322.520,595	34,124	33,664	79	76	37.782	14.160,304	87.665,568	6,191	5,731
30	27	97.482	67.154,462	2.254.459,791	33,571	33,111	80	77	34.245	12.676,251	73.505,264	5,799	5,338
31	28	97.383	66.257,625	2.187.305,329	33,012	32,552	81	78	30.668	11.212,274	60.829,013	5,425	4,965
32	29	97.277	65.368,544	2.121.047,705	32,448	31,987	82	79	27.107	9.787,913	49.616,739	5,069	4,609
33	30	97.169	64.489,751	2.055.679,160	31,876	31,416	83	80	23.529	8.391,201	39.828,826	4,746	4,286
34	31	97.052	63.616,873	1.991.189,409	31,300	30,839	84	81	20.102	7.080,551	31.437,625	4,440	3,980
35	32	96.924	62.749,047	1.927.572,537	30,719	30,258	85	82	16.889	5.875,199	24.357,074	4,146	3,685
36	33	96.789	61.887,498	1.864.823,490	30,132	29,672	86	83	13.962	4.796,947	18.481,875	3,853	3,392
37	34	96.641	61.030,060	1.802.935,992	29,542	29,081	87	84	11.244	3.815,617	13.684,928	3,587	3,126
38	35	96.479	60.175,555	1.741.905,932	28,947	28,487	88	85	8.788	2.945,217	9.869,311	3,351	2,891
39	36	96.296	59.320,366	1.681.730,377	28,350	27,890	89	86	6.697	2.216,676	6.924,094	3,124	2,663
40	37	96.094	58.464,638	1.622.410,011	27,750	27,290	90	87	4.939	1.614,648	4.707,418	2,915	2,455
41	38	95.869	57.608,060	1.563.945,373	27,148	26,688	91	88	3.511	1.133,809	3.092,770	2,728	2,267
42	39	95.620	56.749,039	1.506.337,313	26,544	26,083	92	89	2.401	765,668	1.958,961	2,558	2,098
43	40	95.333	55.880,062	1.449.588,274	25,941	25,481	93	90	1.575	496,031	1.193,292	2,406	1,945
44	41	95.014	55.005,664	1.393.708,213	25,338	24,877	94	91	991	308,328	697,261	2,261	1,801
45	42	94.666	54.127,275	1.338.702,549	24,732	24,272	95	92	591	181,659	388,933	2,141	1,681
46	43	94.268	53.234,601	1.284.575,274	24,130	23,670	96	93	336	102,001	207,274	2,032	1,572
47	44	93.826	52.330,908	1.231.340,673	23,530	23,070	97	94	182	54,446	105,273	1,934	1,473
48	45	93.345	51.419,456	1.179.009,765	22,929	22,469	98	95	93	27,558	50,827	1,844	1,384
49	46	92.816	50.497,104	1.127.590,310	22,330	21,869	99	96	45	13,194	23,269	1,764	1,303
							100	97	21	5,960	10,075	1,691	1,230

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 4 Jahre

Zinsfuß 1,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	46	92.399	49.649,833	1.087.452,980	21,902	21,442
1							51	47	91.776	48.706,246	1.037.803,147	21,307	20,847
2							52	48	91.123	47.762,650	989.096,901	20,709	20,248
3							53	49	90.397	46.796,908	941.334,251	20,115	19,655
4	0	99.465	94.643,718	4.363.431,724	46,104	45,643	54	50	89.613	45.818,115	894.537,343	19,524	19,063
5	1	99.074	93.107,869	4.268.788,006	45,848	45,387	55	51	88.779	44.831,633	848.719,228	18,931	18,471
6	2	99.025	91.912,867	4.175.680,137	45,431	44,970	56	52	87.870	43.824,666	803.887,595	18,343	17,883
7	3	98.994	90.749,614	4.083.767,270	45,000	44,540	57	53	86.918	42.814,821	760.062,930	17,752	17,292
8	4	98.965	89.602,799	3.993.017,656	44,564	44,103	58	54	85.894	41.787,983	717.248,109	17,164	16,704
9	5	98.940	88.474,640	3.903.414,857	44,119	43,659	59	55	84.780	40.736,571	675.460,125	16,581	16,121
10	6	98.918	87.362,762	3.814.940,217	43,668	43,207	60	56	83.571	39.659,990	634.723,554	16,004	15,544
11	7	98.900	86.268,151	3.727.577,456	43,209	42,749	61	57	82.298	38.573,880	595.063,563	15,427	14,966
12	8	98.877	85.183,384	3.641.309,304	42,747	42,286	62	58	80.947	37.472,069	556.489,684	14,851	14,390
13	9	98.855	84.112,675	3.556.125,921	42,278	41,818	63	59	79.472	36.335,118	519.017,614	14,284	13,824
14	10	98.835	83.058,108	3.472.013,245	41,802	41,342	64	60	77.925	35.188,140	482.682,496	13,717	13,257
15	11	98.809	82.010,668	3.388.955,137	41,323	40,863	65	61	76.273	34.016,970	447.494,356	13,155	12,695
16	12	98.776	80.971,490	3.306.944,469	40,841	40,380	66	62	74.516	32.822,868	413.477,386	12,597	12,137
17	13	98.730	79.934,423	3.225.972,978	40,358	39,897	67	63	72.630	31.597,251	380.654,518	12,047	11,587
18	14	98.670	78.899,917	3.146.038,555	39,874	39,413	68	64	70.591	30.330,982	349.057,268	11,508	11,048
19	15	98.584	77.857,664	3.067.138,638	39,394	38,934	69	65	68.418	29.034,470	318.726,286	10,978	10,517
20	16	98.487	76.820,797	2.989.280,974	38,912	38,452	70	66	66.112	27.709,383	289.691,815	10,455	9,994
21	17	98.391	75.798,654	2.912.460,177	38,424	37,963	71	67	63.645	26.346,042	261.982,433	9,944	9,484
22	18	98.293	74.787,710	2.836.661,523	37,930	37,469	72	68	61.014	24.945,198	235.636,391	9,446	8,986
23	19	98.190	73.787,488	2.761.873,813	37,430	36,970	73	69	58.193	23.498,007	210.691,193	8,966	8,506
24	20	98.090	72.802,327	2.688.086,325	36,923	36,463	74	70	55.222	22.023,196	187.193,186	8,500	8,039
25	21	97.988	71.828,667	2.615.283,998	36,410	35,950	75	71	52.126	20.531,797	165.169,990	8,045	7,584
26	22	97.893	70.872,657	2.543.455,332	35,888	35,427	76	72	48.910	19.027,185	144.638,193	7,602	7,141
27	23	97.796	69.928,688	2.472.582,675	35,359	34,898	77	73	45.632	17.532,904	125.611,008	7,164	6,704
28	24	97.701	68.997,972	2.402.653,987	34,822	34,362	78	74	42.256	16.035,145	108.078,104	6,740	6,280
29	25	97.602	68.077,555	2.333.656,015	34,279	33,819	79	75	38.787	14.537,218	92.042,959	6,332	5,871
30	26	97.510	67.173,268	2.265.578,459	33,727	33,267	80	76	35.266	13.054,147	77.505,741	5,937	5,477
31	27	97.411	66.276,940	2.198.405,192	33,170	32,710	81	77	31.700	11.589,303	64.451,594	5,561	5,101
32	28	97.306	65.387,953	2.132.128,252	32,607	32,147	82	78	28.150	10.164,636	52.862,291	5,201	4,740
33	29	97.197	64.508,633	2.066.740,299	32,038	31,578	83	79	24.563	8.759,688	42.697,655	4,874	4,414
34	30	97.084	63.637,709	2.002.231,666	31,463	31,003	84	80	21.132	7.443,139	33.937,968	4,560	4,099
35	31	96.959	62.771,469	1.938.593,957	30,883	30,423	85	81	17.886	6.222,039	26.494,829	4,258	3,798
36	32	96.823	61.909,512	1.875.822,488	30,299	29,839	86	82	14.926	5.128,363	20.272,789	3,953	3,493
37	33	96.679	61.054,456	1.813.912,976	29,710	29,249	87	83	12.112	4.110,141	15.144,426	3,685	3,224
38	34	96.524	60.203,780	1.752.858,520	29,115	28,655	88	84	9.556	3.202,581	11.034,285	3,445	2,985
39	35	96.346	59.350,751	1.692.654,740	28,520	28,059	89	85	7.333	2.427,437	7.831,704	3,226	2,766
40	36	96.148	58.497,716	1.633.303,989	27,921	27,460	90	86	5.493	1.795,679	5.404,267	3,010	2,549
41	37	95.928	57.643,408	1.574.806,273	27,320	26,859	91	87	3.981	1.285,320	3.608,588	2,808	2,347
42	38	95.687	56.788,763	1.517.162,865	26,716	26,256	92	88	2.765	881,626	2.323,268	2,635	2,175
43	39	95.409	55.924,816	1.460.374,102	26,113	25,653	93	89	1.849	582,350	1.441,642	2,476	2,015
44	40	95.097	55.053,559	1.404.449,286	25,511	25,050	94	90	1.185	368,576	859,292	2,331	1,871
45	41	94.759	54.180,832	1.349.395,727	24,905	24,445	95	91	728	223,553	490,716	2,195	1,735
46	42	94.374	53.294,540	1.295.214,895	24,303	23,843	96	92	423	128,366	267,163	2,081	1,621
47	43	93.948	52.398,922	1.241.920,355	23,701	23,241	97	93	234	70,161	138,797	1,978	1,518
48	44	93.475	51.491,132	1.189.521,432	23,101	22,641	98	94	123	36,411	68,636	1,885	1,425
49	45	92.963	50.577,321	1.138.030,301	22,501	22,040	99	95	61	17,896	32,225	1,801	1,340
							100	96	29	8,310	14,328	1,724	1,264

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 5 Jahre

Zinsfuß 1,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	45	92.546	49.728,704	1.097.034,852	22,060	21,600
1							51	46	91.942	48.793,879	1.047.306,149	21,464	21,003
2							52	47	91.301	47.855,712	998.512,270	20,865	20,405
3							53	48	90.589	46.896,325	950.656,558	20,271	19,811
4							54	49	89.829	45.928,653	903.760,233	19,677	19,217
5	0	99.452	93.462,741	4.279.749,049	45,791	45,331	55	50	89.004	44.945,193	857.831,580	19,086	18,626
6	1	99.061	91.945,797	4.186.286,307	45,530	45,070	56	51	88.115	43.946,716	812.886,387	18,497	18,037
7	2	99.014	90.767,560	4.094.340,511	45,108	44,648	57	52	87.182	42.944,652	768.939,671	17,905	17,445
8	3	98.982	89.618,181	4.003.572,951	44,674	44,213	58	53	86.166	41.920,349	725.995,020	17,318	16,858
9	4	98.953	88.486,069	3.913.954,770	44,232	43,772	59	54	85.076	40.878,758	684.074,671	16,734	16,274
10	5	98.931	87.374,183	3.825.468,701	43,783	43,322	60	55	83.888	39.810,748	643.195,913	16,156	15,696
11	6	98.909	86.276,101	3.738.094,518	43,327	42,867	61	56	82.630	38.729,367	603.385,165	15,580	15,119
12	7	98.886	85.190,803	3.651.818,416	42,866	42,406	62	57	81.310	37.640,060	564.655,798	15,001	14,541
13	8	98.864	84.120,750	3.566.627,614	42,399	41,939	63	58	79.856	36.510,942	527.015,738	14,434	13,974
14	9	98.842	83.063,476	3.482.506,863	41,926	41,465	64	59	78.323	35.367,943	490.504,796	13,869	13,408
15	10	98.817	82.017,565	3.399.443,388	41,448	40,987	65	60	76.695	34.205,244	455.136,853	13,306	12,846
16	11	98.786	80.979,085	3.317.425,822	40,966	40,506	66	61	74.938	33.008,619	420.931,609	12,752	12,292
17	12	98.738	79.941,212	3.236.446,738	40,485	40,025	67	62	73.090	31.797,348	387.922,990	12,200	11,739
18	13	98.680	78.907,563	3.156.505,526	40,003	39,542	68	63	71.074	30.538,701	356.125,642	11,661	11,201
19	14	98.596	77.866,737	3.077.597,963	39,524	39,064	69	64	68.922	29.248,358	325.586,941	11,132	10,671
20	15	98.505	76.834,525	2.999.731,226	39,041	38,581	70	65	66.656	27.937,559	296.338,583	10,607	10,147
21	16	98.412	75.814,709	2.922.896,700	38,553	38,093	71	66	64.226	26.586,828	268.401,023	10,095	9,635
22	17	98.314	74.804,169	2.847.081,991	38,060	37,600	72	67	61.641	25.201,370	241.814,196	9,595	9,135
23	18	98.219	73.808,714	2.772.277,822	37,560	37,100	73	68	58.866	23.769,877	216.612,826	9,113	8,653
24	19	98.117	72.822,514	2.698.469,108	37,055	36,595	74	69	55.936	22.307,802	192.842,949	8,645	8,184
25	20	98.019	71.851,361	2.625.646,594	36,543	36,082	75	70	52.878	20.827,834	170.535,147	8,188	7,727
26	21	97.916	70.890,002	2.553.795,233	36,025	35,564	76	71	49.716	19.340,742	149.707,312	7,741	7,280
27	22	97.823	69.947,626	2.482.905,231	35,497	35,036	77	72	46.470	17.854,810	130.366,570	7,301	6,841
28	23	97.726	69.015,979	2.412.957,606	34,962	34,502	78	73	43.134	16.368,612	112.511,760	6,874	6,413
29	24	97.629	68.096,056	2.343.941,627	34,421	33,961	79	74	39.691	14.875,817	96.143,147	6,463	6,003
30	25	97.534	67.189,801	2.275.845,571	33,872	33,412	80	75	36.204	13.401,618	81.267,330	6,064	5,604
31	26	97.438	66.295,500	2.208.655,770	33,315	32,855	81	76	32.645	11.934,795	67.865,712	5,686	5,226
32	27	97.334	65.407,015	2.142.360,270	32,754	32,294	82	77	29.097	10.506,437	55.930,917	5,323	4,863
33	28	97.226	64.527,786	2.076.953,256	32,187	31,727	83	78	25.508	9.096,836	45.424,480	4,993	4,533
34	29	97.112	63.656,341	2.012.425,469	31,614	31,154	84	79	22.060	7.769,993	36.327,645	4,675	4,215
35	30	96.991	62.792,029	1.948.769,128	31,035	30,575	85	80	18.802	6.540,664	28.557,652	4,366	3,906
36	31	96.858	61.931,634	1.885.977,099	30,453	29,992	86	81	15.807	5.431,114	22.016,989	4,054	3,593
37	32	96.714	61.076,173	1.824.045,465	29,865	29,405	87	82	12.949	4.394,107	16.585,874	3,775	3,314
38	33	96.563	60.227,845	1.762.969,292	29,272	28,811	88	83	10.293	3.449,786	12.191,768	3,534	3,074
39	34	96.391	59.378,589	1.702.741,447	28,676	28,216	89	84	7.974	2.639,556	8.741,982	3,312	2,852
40	35	96.197	58.527,679	1.643.362,858	28,078	27,618	90	85	6.015	1.966,412	6.102,426	3,103	2,643
41	36	95.982	57.676,021	1.584.835,178	27,478	27,018	91	86	4.427	1.429,427	4.136,015	2,893	2,433
42	37	95.746	56.823,608	1.527.159,157	26,875	26,415	92	87	3.134	999,437	2.706,588	2,708	2,248
43	38	95.476	55.963,964	1.470.335,548	26,273	25,813	93	88	2.129	670,545	1.707,150	2,546	2,086
44	39	95.173	55.097,652	1.414.371,585	25,670	25,210	94	89	1.391	432,715	1.036,606	2,396	1,935
45	40	94.842	54.228,009	1.359.273,933	25,066	24,606	95	90	870	267,236	603,890	2,260	1,799
46	41	94.468	53.347,273	1.305.045,924	24,463	24,003	96	91	521	157,970	336,654	2,131	1,671
47	42	94.054	52.457,920	1.251.698,650	23,861	23,401	97	92	295	88,296	178,685	2,024	1,563
48	43	93.596	51.558,055	1.199.240,730	23,260	22,800	98	93	159	46,921	90,388	1,926	1,466
49	44	93.093	50.647,823	1.147.682,675	22,660	22,200	99	94	81	23,646	43,468	1,838	1,378
							100	95	39	11,272	19,822	1,758	1,298

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 6 Jahre

Zinsfuß 1,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	44	92.675	49.798,023	1.105.879,274	22,207	21,747
1							51	45	92.088	48.871,389	1.056.081,252	21,609	21,149
2							52	46	91.465	47.941,815	1.007.209,862	21,009	20,549
3							53	47	90.766	46.987,699	959.268,048	20,415	19,955
4							54	48	90.020	46.026,225	912.280,348	19,821	19,360
5							55	49	89.219	45.053,624	866.254,123	19,227	18,767
6	0	99.438	92.296,240	4.196.421,594	45,467	45,006	56	50	88.338	44.058,035	821.200,499	18,639	18,179
7	1	99.049	90.800,079	4.104.125,354	45,200	44,739	57	51	87.425	43.064,251	777.142,464	18,046	17,586
8	2	99.002	89.635,903	4.013.325,275	44,774	44,313	58	52	86.427	42.047,467	734.078,213	17,458	16,998
9	3	98.970	88.501,260	3.923.689,371	44,335	43,874	59	53	85.345	41.008,243	692.030,746	16,875	16,415
10	4	98.944	87.385,470	3.835.188,112	43,888	43,428	60	54	84.181	39.949,703	651.022,503	16,296	15,836
11	5	98.922	86.287,381	3.747.802,642	43,434	42,974	61	55	82.944	38.876,588	611.072,800	15,718	15,258
12	6	98.895	85.198,654	3.661.515,261	42,976	42,516	62	56	81.637	37.791,783	572.196,213	15,141	14,680
13	7	98.873	84.128,077	3.576.316,608	42,510	42,050	63	57	80.214	36.674,624	534.404,429	14,572	14,111
14	8	98.851	83.071,450	3.492.188,531	42,038	41,578	64	58	78.702	35.539,086	497.729,806	14,005	13,545
15	9	98.824	82.022,866	3.409.117,081	41,563	41,103	65	59	77.087	34.380,024	462.190,719	13,444	12,983
16	10	98.794	80.985,895	3.327.094,216	41,082	40,622	66	60	75.352	33.191,312	427.810,695	12,889	12,429
17	11	98.748	79.948,709	3.246.108,321	40,602	40,142	67	61	73.504	31.977,296	394.619,383	12,341	11,880
18	12	98.688	78.914,265	3.166.159,611	40,122	39,661	68	62	71.524	30.732,095	362.642,087	11,800	11,340
19	13	98.605	77.874,283	3.087.245,346	39,644	39,184	69	63	69.394	29.448,663	331.909,992	11,271	10,810
20	14	98.516	76.843,479	3.009.371,064	39,162	38,702	70	64	67.147	28.143,367	302.461,329	10,747	10,287
21	15	98.430	75.828,258	2.932.527,584	38,673	38,213	71	65	64.755	26.805,760	274.317,962	10,234	9,773
22	16	98.335	74.820,014	2.856.699,327	38,181	37,721	72	66	62.204	25.431,694	247.512,202	9,732	9,272
23	17	98.240	73.824,957	2.781.879,313	37,682	37,222	73	67	59.470	24.013,979	222.080,508	9,248	8,788
24	18	98.146	72.843,463	2.708.054,356	37,176	36,716	74	68	56.583	22.565,902	198.066,529	8,777	8,317
25	19	98.046	71.871,284	2.635.210,893	36,666	36,205	75	69	53.561	21.096,994	175.500,628	8,319	7,858
26	20	97.947	70.912,400	2.563.339,608	36,148	35,688	76	70	50.433	19.619,606	154.403,634	7,870	7,409
27	21	97.846	69.964,744	2.492.427,209	35,624	35,164	77	71	47.236	18.149,048	134.784,028	7,427	6,966
28	22	97.753	69.034,670	2.422.462,465	35,091	34,630	78	72	43.926	16.669,142	116.634,980	6,997	6,537
29	23	97.654	68.113,827	2.353.427,795	34,551	34,091	79	73	40.516	15.185,175	99.965,838	6,583	6,123
30	24	97.560	67.208,060	2.285.313,968	34,004	33,543	80	74	37.048	13.713,767	84.780,663	6,182	5,722
31	25	97.462	66.311,817	2.218.105,909	33,450	32,989	81	75	33.514	12.252,472	71.066,896	5,800	5,340
32	26	97.361	65.425,331	2.151.794,092	32,889	32,429	82	76	29.964	10.819,647	58.814,425	5,436	4,976
33	27	97.254	64.546,597	2.086.368,761	32,323	31,863	83	77	26.366	9.402,730	47.994,777	5,104	4,644
34	28	97.141	63.675,242	2.021.822,163	31,752	31,292	84	78	22.909	8.069,049	38.592,047	4,783	4,322
35	29	97.019	62.810,414	1.958.146,922	31,176	30,715	85	79	19.627	6.827,887	30.522,999	4,470	4,010
36	30	96.889	61.951,918	1.895.336,508	30,594	30,133	86	80	16.617	5.709,236	23.695,112	4,150	3,690
37	31	96.748	61.097,998	1.833.384,590	30,007	29,547	87	81	13.714	4.653,511	17.985,876	3,865	3,405
38	32	96.597	60.249,269	1.772.286,592	29,416	28,956	88	82	11.004	3.688,128	13.332,364	3,615	3,155
39	33	96.429	59.402,325	1.712.037,323	28,821	28,361	89	83	8.590	2.843,301	9.644,237	3,392	2,932
40	34	96.242	58.555,131	1.652.634,998	28,224	27,763	90	84	6.540	2.138,244	6.800,936	3,181	2,720
41	35	96.032	57.705,564	1.594.079,867	27,624	27,164	91	85	4.848	1.565,337	4.662,692	2,979	2,518
42	36	95.800	56.855,758	1.536.374,303	27,022	26,562	92	86	3.485	1.111,492	3.097,355	2,787	2,326
43	37	95.535	55.998,303	1.479.518,545	26,421	25,960	93	87	2.413	760,150	1.985,863	2,612	2,152
44	38	95.240	55.136,220	1.423.520,242	25,818	25,358	94	88	1.602	498,248	1.225,714	2,460	2,000
45	39	94.918	54.271,440	1.368.384,022	25,214	24,753	95	89	1.021	313,740	727,465	2,319	1,858
46	40	94.550	53.393,725	1.314.112,581	24,612	24,151	96	90	622	188,837	413,725	2,191	1,731
47	41	94.147	52.509,826	1.260.718,856	24,009	23,549	97	91	363	108,659	224,888	2,070	1,609
48	42	93.702	51.616,106	1.208.209,031	23,408	22,947	98	92	199	59,049	116,229	1,968	1,508
49	43	93.214	50.713,650	1.156.592,925	22,806	22,346	99	93	104	30,471	57,180	1,877	1,416
							100	94	52	14,894	26,709	1,793	1,333

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 7 Jahre

Zinsfuß 1,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	43	92.796	49.862,746	1.114.032,101	22,342	21,882
1							51	44	92.216	48.939,513	1.064.169,355	21,745	21,284
2							52	45	91.611	48.017,972	1.015.229,842	21,143	20,682
3							53	46	90.929	47.072,240	967.211,870	20,547	20,087
4							54	47	90.195	46.115,904	920.139,630	19,953	19,492
5							55	48	89.408	45.149,338	874.023,726	19,359	18,898
6							56	49	88.551	44.164,326	828.874,388	18,768	18,308
7	0	99.427	91.146,155	4.113.486,617	45,131	44,670	57	50	87.646	43.173,334	784.710,062	18,176	17,715
8	1	99.037	89.668,017	4.022.340,462	44,858	44,398	58	51	86.668	42.164,568	741.536,728	17,587	17,126
9	2	98.990	88.518,761	3.932.672,444	44,428	43,967	59	52	85.604	41.132,595	699.372,160	17,003	16,542
10	3	98.961	87.400,472	3.844.153,684	43,983	43,523	60	53	84.448	40.076,245	658.239,565	16,425	15,964
11	4	98.935	86.298,527	3.756.753,212	43,532	43,072	61	54	83.234	39.012,282	618.163,319	15,845	15,385
12	5	98.908	85.209,792	3.670.454,685	43,076	42,615	62	55	81.948	37.935,440	579.151,038	15,267	14,806
13	6	98.882	84.135,830	3.585.244,893	42,613	42,152	63	56	80.538	36.822,456	541.215,598	14,698	14,238
14	7	98.860	83.078,685	3.501.109,063	42,142	41,682	64	57	79.055	35.698,411	504.393,142	14,129	13,669
15	8	98.833	82.030,740	3.418.030,378	41,668	41,207	65	58	77.460	34.546,387	468.694,731	13,567	13,107
16	9	98.800	80.991,128	3.335.999,638	41,190	40,729	66	59	75.737	33.360,912	434.148,344	13,014	12,553
17	10	98.756	79.955,433	3.255.008,510	40,710	40,250	67	60	73.910	32.154,281	400.787,432	12,465	12,004
18	11	98.698	78.921,666	3.175.053,077	40,230	39,770	68	61	71.929	30.906,014	368.633,151	11,928	11,467
19	12	98.614	77.880,897	3.096.131,411	39,755	39,294	69	62	69.834	29.635,154	337.727,137	11,396	10,936
20	13	98.526	76.850,926	3.018.250,514	39,274	38,814	70	63	67.607	28.336,104	308.091,983	10,873	10,412
21	14	98.441	75.837,094	2.941.399,589	38,786	38,325	71	64	65.232	27.003,230	279.755,879	10,360	9,900
22	15	98.353	74.833,384	2.865.562,494	38,293	37,832	72	65	62.716	25.641,115	252.752,649	9,857	9,397
23	16	98.261	73.840,595	2.790.729,110	37,794	37,334	73	66	60.014	24.233,451	227.111,534	9,372	8,911
24	17	98.167	72.859,494	2.716.888,515	37,289	36,829	74	67	57.164	22.797,639	202.878,083	8,899	8,439
25	18	98.075	71.891,960	2.644.029,021	36,778	36,317	75	68	54.181	21.341,084	180.080,444	8,438	7,978
26	19	97.975	70.932,062	2.572.137,061	36,262	35,802	76	69	51.085	19.873,151	158.739,360	7,988	7,527
27	20	97.877	69.986,850	2.501.204,999	35,738	35,278	77	70	47.917	18.410,729	138.866,209	7,543	7,082
28	21	97.776	69.051,564	2.431.218,149	35,209	34,748	78	71	44.650	16.943,840	120.455,479	7,109	6,649
29	22	97.681	68.132,273	2.362.166,585	34,670	34,210	79	72	41.260	15.463,977	103.511,639	6,694	6,233
30	23	97.586	67.225,599	2.294.034,312	34,124	33,664	80	73	37.818	13.998,959	88.047,662	6,290	5,829
31	24	97.489	66.329,837	2.226.808,712	33,572	33,111	81	74	34.294	12.537,855	74.048,704	5,906	5,446
32	25	97.385	65.441,434	2.160.478,875	33,014	32,554	82	75	30.762	11.107,641	61.510,849	5,538	5,077
33	26	97.282	64.564,673	2.095.037,441	32,449	31,988	83	76	27.152	9.683,038	50.403,208	5,205	4,745
34	27	97.169	63.693,804	2.030.472,768	31,879	31,418	84	77	23.679	8.340,382	40.720,170	4,882	4,422
35	28	97.048	62.829,063	1.966.778,964	31,304	30,843	85	78	20.383	7.090,682	32.379,788	4,567	4,106
36	29	96.918	61.970,057	1.903.949,902	30,724	30,263	86	79	17.347	5.959,948	25.289,106	4,243	3,783
37	30	96.780	61.118,009	1.841.979,844	30,138	29,678	87	80	14.416	4.891,813	19.329,157	3,951	3,491
38	31	96.631	60.270,798	1.780.861,835	29,548	29,087	88	81	11.654	3.905,855	14.437,345	3,696	3,236
39	32	96.464	59.423,454	1.720.591,037	28,955	28,494	89	82	9.183	3.039,741	10.531,489	3,465	3,004
40	33	96.281	58.578,538	1.661.167,583	28,358	27,898	90	83	7.045	2.303,293	7.491,748	3,253	2,792
41	34	96.077	57.732,630	1.602.589,045	27,759	27,298	91	84	5.272	1.702,122	5.188,454	3,048	2,588
42	35	95.849	56.884,881	1.544.856,415	27,158	26,697	92	85	3.817	1.217,172	3.486,333	2,864	2,404
43	36	95.589	56.029,985	1.487.971,534	26,557	26,096	93	86	2.684	845,376	2.269,160	2,684	2,224
44	37	95.298	55.170,052	1.431.941,549	25,955	25,495	94	87	1.816	564,829	1.423,785	2,521	2,060
45	38	94.984	54.309,431	1.376.771,497	25,351	24,890	95	88	1.176	361,255	858,956	2,378	1,917
46	39	94.626	53.436,488	1.322.462,066	24,748	24,288	96	89	731	221,698	497,701	2,245	1,785
47	40	94.229	52.555,548	1.269.025,578	24,146	23,686	97	90	433	129,891	276,003	2,125	1,664
48	41	93.794	51.667,179	1.216.470,030	23,544	23,084	98	91	245	72,667	146,111	2,011	1,550
49	42	93.319	50.770,751	1.164.802,852	22,942	22,482	99	92	131	38,347	73,445	1,915	1,455
							100	93	66	19,192	35,098	1,829	1,368

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 8 Jahre

Zinsfuß 1,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	42	92.900	49.918,888	1.121.534,898	22,467	22,007
1							51	43	92.336	49.003,120	1.071.616,010	21,868	21,408
2							52	44	91.738	48.084,906	1.022.612,889	21,267	20,806
3							53	45	91.073	47.147,016	974.527,983	20,670	20,210
4							54	46	90.357	46.198,877	927.380,967	20,074	19,613
5							55	47	89.583	45.237,309	881.182,091	19,479	19,019
6							56	48	88.739	44.258,150	835.944,782	18,888	18,428
7							57	49	87.858	43.277,491	791.686,632	18,293	17,833
8	0	99.415	90.009,779	4.030.979,040	44,784	44,323	58	50	86.888	42.271,372	748.409,141	17,705	17,244
9	1	99.025	88.550,475	3.940.969,262	44,505	44,045	59	51	85.842	41.247,148	706.137,769	17,120	16,659
10	2	98.981	87.417,755	3.852.418,787	44,069	43,609	60	52	84.704	40.197,771	664.890,620	16,540	16,080
11	3	98.952	86.313,342	3.765.001,032	43,620	43,160	61	53	83.497	39.135,855	624.692,849	15,962	15,502
12	4	98.920	85.220,799	3.678.687,690	43,167	42,706	62	54	82.234	38.067,849	585.556,994	15,382	14,922
13	5	98.895	84.146,829	3.593.466,890	42,705	42,244	63	55	80.844	36.962,427	547.489,145	14,812	14,352
14	6	98.869	83.086,341	3.509.320,061	42,237	41,777	64	56	79.374	35.842,308	510.526,718	14,244	13,783
15	7	98.842	82.037,884	3.426.233,720	41,764	41,304	65	57	77.808	34.701,262	474.684,410	13,679	13,219
16	8	98.810	80.998,903	3.344.195,835	41,287	40,827	66	58	76.104	33.522,343	439.983,148	13,125	12,665
17	9	98.762	79.960,600	3.263.196,932	40,810	40,350	67	59	74.288	32.318,582	406.460,805	12,577	12,116
18	10	98.706	78.928,303	3.183.236,332	40,331	39,870	68	60	72.327	31.077,070	374.142,223	12,039	11,579
19	11	98.623	77.888,201	3.104.308,029	39,856	39,396	69	61	70.229	29.802,865	343.065,153	11,511	11,051
20	12	98.534	76.857,453	3.026.419,828	39,377	38,917	70	62	68.035	28.515,550	313.262,288	10,986	10,525
21	13	98.451	75.844,443	2.949.562,375	38,890	38,429	71	63	65.679	27.188,159	284.746,739	10,473	10,013
22	14	98.364	74.842,105	2.873.717,932	38,397	37,937	72	64	63.178	25.830,005	257.558,579	9,971	9,511
23	15	98.279	73.853,790	2.798.875,827	37,898	37,437	73	65	60.508	24.433,004	231.728,574	9,484	9,024
24	16	98.188	72.874,927	2.725.022,036	37,393	36,933	74	66	57.686	23.005,995	207.295,570	9,011	8,550
25	17	98.096	71.907,781	2.652.147,109	36,883	36,422	75	67	54.737	21.560,244	184.289,575	8,548	8,087
26	18	98.003	70.952,468	2.580.239,328	36,366	35,905	76	68	51.676	20.103,082	162.729,331	8,095	7,634
27	19	97.905	70.006,256	2.509.286,861	35,844	35,383	77	69	48.536	18.648,652	142.626,249	7,648	7,188
28	20	97.807	69.073,382	2.439.280,605	35,314	34,854	78	70	45.294	17.188,145	123.977,597	7,213	6,753
29	21	97.705	68.148,947	2.370.207,223	34,780	34,319	79	71	41.940	15.718,815	106.789,453	6,794	6,333
30	22	97.612	67.243,805	2.302.058,276	34,235	33,774	80	72	38.512	14.255,981	91.070,638	6,388	5,928
31	23	97.514	66.347,148	2.234.814,471	33,684	33,223	81	73	35.007	12.798,592	76.814,657	6,002	5,541
32	24	97.412	65.459,218	2.168.467,323	33,127	32,667	82	74	31.478	11.366,359	64.016,065	5,632	5,172
33	25	97.306	64.580,564	2.103.008,105	32,564	32,104	83	75	27.875	9.940,778	52.649,706	5,296	4,836
34	26	97.196	63.711,641	2.038.427,542	31,995	31,534	84	76	24.385	8.589,020	42.708,928	4,973	4,512
35	27	97.076	62.847,379	1.974.715,901	31,421	30,960	85	77	21.068	7.329,117	34.119,908	4,655	4,195
36	28	96.946	61.988,457	1.911.868,522	30,842	30,382	86	78	18.014	6.189,338	26.790,791	4,329	3,868
37	29	96.808	61.135,904	1.849.880,066	30,258	29,798	87	79	15.049	5.106,629	20.601,453	4,034	3,574
38	30	96.663	60.290,538	1.788.744,162	29,669	29,208	88	80	12.251	4.105,870	15.494,824	3,774	3,313
39	31	96.498	59.444,689	1.728.453,623	29,077	28,616	89	81	9.725	3.219,192	11.388,954	3,538	3,077
40	32	96.315	58.599,374	1.669.008,935	28,482	28,021	90	82	7.532	2.462,426	8.169,762	3,318	2,857
41	33	96.115	57.755,708	1.610.409,561	27,883	27,423	91	83	5.678	1.833,507	5.707,337	3,113	2,652
42	34	95.894	56.911,562	1.552.653,853	27,282	26,821	92	84	4.150	1.323,533	3.873,830	2,927	2,466
43	35	95.638	56.058,685	1.495.742,291	26,682	26,221	93	85	2.939	925,754	2.550,296	2,755	2,294
44	36	95.352	55.201,266	1.439.683,605	26,081	25,620	94	86	2.019	628,156	1.624,542	2,586	2,126
45	37	95.043	54.342,755	1.384.482,340	25,477	25,016	95	87	1.333	409,529	996,386	2,433	1,973
46	38	94.692	53.473,894	1.330.139,585	24,875	24,414	96	88	841	255,274	586,857	2,299	1,839
47	39	94.305	52.597,640	1.276.665,691	24,272	23,812	97	89	509	152,495	331,583	2,174	1,714
48	40	93.876	51.712,167	1.224.068,052	23,671	23,210	98	90	293	86,866	179,088	2,062	1,601
49	41	93.411	50.820,986	1.172.355,884	23,068	22,608	99	91	161	47,190	92,222	1,954	1,494
							100	92	84	24,153	45,032	1,864	1,404

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 9 Jahre

Zinsfuß 1,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	41	92.992	49.968,281	1.128.430,265	22,583	22,123
1							51	42	92.440	49.058,295	1.078.461,983	21,983	21,523
2							52	43	91.857	48.147,403	1.029.403,689	21,380	20,920
3							53	44	91.200	47.212,736	981.256,286	20,784	20,323
4							54	45	90.501	46.272,265	934.043,550	20,186	19,725
5							55	46	89.744	45.318,700	887.771,285	19,590	19,129
6							56	47	88.912	44.344,384	842.452,585	18,998	18,538
7							57	48	88.044	43.369,432	798.108,201	18,403	17,942
8							58	49	87.097	42.373,353	754.738,769	17,812	17,351
9	0	99.403	88.887,977	3.948.935,553	44,426	43,966	59	50	86.060	41.351,629	712.365,416	17,227	16,767
10	1	99.016	87.449,074	3.860.047,577	44,141	43,680	60	51	84.940	40.309,721	671.013,787	16,646	16,186
11	2	98.971	86.330,411	3.772.598,502	43,700	43,239	61	52	83.750	39.254,529	630.704,066	16,067	15,607
12	3	98.937	85.235,430	3.686.268,092	43,248	42,788	62	53	82.494	38.188,430	591.449,537	15,488	15,027
13	4	98.908	84.157,699	3.601.032,662	42,789	42,329	63	54	81.126	37.091,440	553.261,106	14,916	14,456
14	5	98.882	83.097,204	3.516.874,963	42,322	41,862	64	55	79.676	35.978,554	516.169,666	14,347	13,886
15	6	98.851	82.045,445	3.433.777,759	41,852	41,392	65	56	78.121	34.841,139	480.191,112	13,782	13,322
16	7	98.818	81.005,958	3.351.732,315	41,376	40,916	66	57	76.445	33.672,627	445.349,973	13,226	12,765
17	8	98.772	79.968,276	3.270.726,357	40,900	40,440	67	58	74.648	32.474,969	411.677,346	12,677	12,216
18	9	98.712	78.933,404	3.190.758,080	40,423	39,963	68	59	72.697	31.235,867	379.202,377	12,140	11,680
19	10	98.631	77.894,752	3.111.824,677	39,949	39,489	69	60	70.617	29.967,816	347.966,511	11,611	11,151
20	11	98.543	76.864,661	3.033.929,925	39,471	39,011	70	61	68.420	28.676,925	317.998,695	11,089	10,629
21	12	98.459	75.850,885	2.957.065,264	38,985	38,525	71	62	66.095	27.360,335	289.321,770	10,574	10,114
22	13	98.374	74.849,357	2.881.214,379	38,494	38,033	72	63	63.611	26.006,900	261.961,435	10,073	9,612
23	14	98.290	73.862,397	2.806.365,022	37,995	37,534	73	64	60.954	24.612,995	235.954,536	9,587	9,126
24	15	98.206	72.887,950	2.732.502,625	37,489	37,029	74	65	58.161	23.195,441	211.341,541	9,111	8,651
25	16	98.117	71.923,013	2.659.614,675	36,979	36,518	75	66	55.237	21.757,290	188.146,100	8,647	8,187
26	17	98.024	70.968,082	2.587.691,662	36,463	36,002	76	67	52.206	20.309,528	166.388,810	8,193	7,732
27	18	97.933	70.026,395	2.516.723,580	35,940	35,479	77	68	49.098	18.864,415	146.079,282	7,744	7,283
28	19	97.834	69.092,535	2.446.697,185	35,412	34,952	78	69	45.879	17.410,268	127.214,867	7,307	6,846
29	20	97.735	68.170,479	2.377.604,651	34,877	34,417	79	70	42.545	15.945,456	109.804,599	6,886	6,426
30	21	97.636	67.260,262	2.309.434,172	34,336	33,875	80	71	39.147	14.490,912	93.859,143	6,477	6,017
31	22	97.541	66.365,115	2.242.173,910	33,785	33,325	81	72	35.650	13.033,576	79.368,231	6,090	5,629
32	23	97.437	65.476,301	2.175.808,795	33,230	32,770	82	73	32.133	11.602,734	66.334,655	5,717	5,257
33	24	97.332	64.598,114	2.110.332,494	32,669	32,208	83	74	28.524	10.172,317	54.731,921	5,380	4,920
34	25	97.220	63.727,322	2.045.734,380	32,101	31,641	84	75	25.034	8.817,640	44.559,604	5,053	4,593
35	26	97.104	62.864,978	1.982.007,058	31,528	31,068	85	76	21.696	7.547,608	35.741,964	4,736	4,275
36	27	96.975	62.006,527	1.919.142,080	30,951	30,490	86	77	18.620	6.397,466	28.194,357	4,407	3,947
37	28	96.837	61.154,056	1.857.135,553	30,368	29,908	87	78	15.628	5.303,174	21.796,893	4,110	3,650
38	29	96.691	60.308,191	1.795.981,497	29,780	29,320	88	79	12.789	4.286,173	16.493,717	3,848	3,388
39	30	96.530	59.464,158	1.735.673,306	29,189	28,728	89	80	10.223	3.384,043	12.207,544	3,607	3,147
40	31	96.349	58.620,314	1.676.209,148	28,594	28,134	90	81	7.977	2.607,794	8.823,501	3,384	2,923
41	32	96.149	57.776,252	1.617.588,834	27,997	27,537	91	82	6.071	1.960,182	6.215,707	3,171	2,711
42	33	95.932	56.934,312	1.559.812,582	27,397	26,936	92	83	4.471	1.425,696	4.255,525	2,985	2,524
43	34	95.683	56.084,979	1.502.878,270	26,796	26,336	93	84	3.196	1.006,650	2.829,829	2,811	2,351
44	35	95.401	55.229,541	1.446.793,291	26,196	25,736	94	85	2.211	687,881	1.823,179	2,650	2,190
45	36	95.096	54.373,501	1.391.563,750	25,593	25,132	95	86	1.482	455,444	1.135,298	2,493	2,032
46	37	94.750	53.506,705	1.337.190,250	24,991	24,531	96	87	954	289,386	679,853	2,349	1,889
47	38	94.371	52.634,458	1.283.683,545	24,389	23,928	97	88	586	175,590	390,467	2,224	1,763
48	39	93.951	51.753,584	1.231.049,087	23,787	23,326	98	89	345	101,982	214,878	2,107	1,647
49	40	93.493	50.865,238	1.179.295,503	23,185	22,724	99	90	193	56,412	112,895	2,001	1,541
							100	91	103	29,723	56,484	1,900	1,440

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 10 Jahre

Zinsfuß 1,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	40	93,073	50.011,790	1.134.760,289	22,690	22,229
1							51	41	92,531	49.106,836	1.084.748,499	22,090	21,629
2							52	42	91,961	48.201,614	1.035.641,662	21,486	21,025
3							53	43	91,319	47.274,099	987.440,049	20,888	20,427
4							54	44	90,627	46.336,766	940.165,950	20,290	19,829
5							55	45	89,886	45.390,690	893.829,184	19,692	19,232
6							56	46	89,072	44.424,169	848.438,494	19,099	18,638
7							57	47	88,216	43.453,934	804.014,324	18,503	18,042
8							58	48	87,282	42.463,373	760.560,390	17,911	17,451
9							59	49	86,267	41.451,391	718.097,018	17,324	16,863
10	0	99,393	87.782,379	3.867.390,491	44,057	43,596	60	50	85,155	40.411,827	676.645,627	16,744	16,283
11	1	99,007	86.361,340	3.779.608,113	43,765	43,305	61	51	83,984	39.363,852	636.233,800	16,163	15,703
12	2	98,957	85.252,285	3.693.246,772	43,321	42,861	62	52	82,744	38.304,232	596.869,948	15,582	15,122
13	3	98,924	84.172,147	3.607.994,487	42,864	42,404	63	53	81,383	37.208,929	558.565,716	15,012	14,551
14	4	98,895	83.107,938	3.523.822,340	42,401	41,940	64	54	79,954	36.104,133	521.356,787	14,440	13,980
15	5	98,864	82.056,171	3.440.714,403	41,931	41,471	65	55	78,418	34.973,579	485.252,654	13,875	13,414
16	6	98,827	81.013,423	3.358.658,232	41,458	40,998	66	56	76,753	33.808,358	450.279,075	13,319	12,858
17	7	98,780	79.975,241	3.277.644,808	40,983	40,523	67	57	74,982	32.620,557	416.470,717	12,767	12,307
18	8	98,722	78.940,981	3.197.669,567	40,507	40,047	68	58	73,049	31.387,015	383.850,160	12,230	11,769
19	9	98,637	77.899,785	3.118.728,586	40,035	39,575	69	59	70,978	30.120,944	352.463,145	11,702	11,241
20	10	98,552	76.871,125	3.040.828,801	39,557	39,097	70	60	68,799	28.835,643	322.342,201	11,179	10,718
21	11	98,468	75.857,999	2.963.957,675	39,072	38,612	71	61	66,469	27.515,173	293.506,557	10,667	10,207
22	12	98,382	74.855,715	2.888.099,676	38,582	38,122	72	62	64,014	26.171,595	265.991,385	10,163	9,703
23	13	98,299	73.869,554	2.813.243,962	38,084	37,624	73	63	61,371	24.781,555	239.819,790	9,677	9,217
24	14	98,217	72.896,444	2.739.374,407	37,579	37,119	74	64	58,590	23.366,315	215.038,235	9,203	8,743
25	15	98,134	71.935,865	2.666.477,963	37,067	36,607	75	65	55,692	21.936,454	191.671,921	8,738	8,277
26	16	98,045	70.983,115	2.594.542,098	36,552	36,091	76	66	52,683	20.495,144	169.735,467	8,282	7,821
27	17	97,954	70.041,805	2.523.558,983	36,029	35,569	77	67	49,602	19.058,141	149.240,323	7,831	7,370
28	18	97,863	69.112,411	2.453.517,178	35,500	35,040	78	68	46,410	17.611,703	130.182,182	7,392	6,931
29	19	97,763	68.189,382	2.384.404,767	34,967	34,507	79	69	43,094	16.151,520	112.570,479	6,970	6,509
30	20	97,667	67.281,513	2.316.215,386	34,426	33,965	80	70	39,711	14.699,849	96.418,960	6,559	6,099
31	21	97,565	66.381,357	2.248.933,873	33,879	33,419	81	71	36,238	13.248,362	81.719,111	6,168	5,708
32	22	97,464	65.494,033	2.182.552,516	33,324	32,864	82	72	32,723	11.815,762	68.470,749	5,795	5,334
33	23	97,357	64.614,972	2.117.058,483	32,764	32,304	83	73	29,117	10.383,861	56.654,987	5,456	4,996
34	24	97,247	63.744,640	2.052.443,511	32,198	31,738	84	74	25,617	9.023,019	46.271,126	5,128	4,668
35	25	97,127	62.880,451	1.988.698,871	31,627	31,166	85	75	22,274	7.748,507	37.248,107	4,807	4,347
36	26	97,002	62.023,892	1.925.818,420	31,050	30,589	86	76	19,175	6.588,181	29.499,600	4,478	4,017
37	27	96,865	61.171,883	1.863.794,528	30,468	30,008	87	77	16,154	5.481,503	22.911,419	4,180	3,719
38	28	96,720	60.326,097	1.802.622,645	29,881	29,421	88	78	13,281	4.451,141	17.429,916	3,916	3,455
39	29	96,558	59.481,569	1.742.296,548	29,291	28,831	89	79	10,672	3.532,648	12.978,775	3,674	3,214
40	30	96,381	58.639,514	1.682.814,979	28,698	28,237	90	80	8,385	2.741,337	9.446,127	3,446	2,985
41	31	96,184	57.796,898	1.624.175,466	28,101	27,641	91	81	6,429	2.075,901	6.704,790	3,230	2,769
42	32	95,967	56.954,563	1.566.378,568	27,502	27,042	92	82	4,780	1.524,196	4.628,889	3,037	2,577
43	33	95,721	56.107,398	1.509.424,005	26,902	26,442	93	83	3,443	1.084,352	3.104,694	2,863	2,403
44	34	95,446	55.255,446	1.453.316,607	26,302	25,841	94	84	2,405	747,991	2.020,341	2,701	2,241
45	35	95,145	54.401,352	1.398.061,161	25,699	25,239	95	85	1,623	498,748	1.272,350	2,551	2,091
46	36	94,804	53.536,978	1.343.659,809	25,098	24,637	96	86	1,061	321,831	773,602	2,404	1,943
47	37	94,428	52.666,755	1.290.122,831	24,496	24,036	97	87	664	199,054	451,771	2,270	1,809
48	38	94,017	51.789,811	1.237.456,077	23,894	23,433	98	88	397	117,427	252,717	2,152	1,692
49	39	93,568	50.905,976	1.185.666,265	23,291	22,831	99	89	227	66,228	135,290	2,043	1,582
							100	90	123	35,532	69,062	1,944	1,483

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 11 Jahre

Zinsfuß 1,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	39	93.148	50.051,845	1.140.567,699	22,788	22,327
1							51	40	92.612	49.149,596	1.090.515,854	22,188	21,727
2							52	41	92.052	48.249,307	1.041.366,258	21,583	21,123
3							53	42	91.422	47.327,327	993.116,951	20,984	20,524
4							54	43	90.745	46.396,990	945.789,624	20,385	19,924
5							55	44	90.012	45.453,962	899.392,634	19,787	19,327
6							56	45	89.213	44.494,738	853.938,671	19,192	18,732
7							57	46	88.374	43.532,117	809.443,933	18,594	18,134
8							58	47	87.452	42.546,110	765.911,816	18,002	17,542
9							59	48	86.451	41.539,452	723.365,706	17,414	16,954
10							60	49	85.360	40.509,322	681.826,255	16,831	16,371
11	0	99.384	86.690,499	3.786.374,656	43,677	43,217	61	50	84.196	39.463,562	641.316,933	16,251	15,790
12	1	98.992	85.282,828	3.699.684,157	43,381	42,921	62	51	82.975	38.410,908	601.853,371	15,669	15,208
13	2	98.944	84.188,792	3.614.401,329	42,932	42,472	63	52	81.630	37.321,760	563.442,463	15,097	14,636
14	3	98.912	83.122,205	3.530.212,537	42,470	42,010	64	53	80.207	36.218,494	526.120,703	14,526	14,066
15	4	98.876	82.066,770	3.447.090,331	42,003	41,543	65	54	78.692	35.095,650	489.902,208	13,959	13,499
16	5	98.840	81.024,015	3.365.023,561	41,531	41,071	66	55	77.045	33.936,872	454.806,558	13,402	12,941
17	6	98.790	79.982,611	3.283.999,546	41,059	40,599	67	56	75.285	32.752,048	420.869,686	12,850	12,390
18	7	98.730	78.947,857	3.204.016,935	40,584	40,124	68	57	73.376	31.527,726	388.117,638	12,310	11,850
19	8	98.647	77.907,264	3.125.069,078	40,113	39,652	69	58	71.322	30.266,697	356.589,912	11,782	11,321
20	9	98.558	76.876,093	3.047.161,814	39,637	39,177	70	59	69.151	28.982,987	326.323,215	11,259	10,799
21	10	98.477	75.864,378	2.970.285,721	39,153	38,692	71	60	66.837	27.667,461	297.340,229	10,747	10,287
22	11	98.391	74.862,735	2.894.421,343	38,663	38,203	72	61	64.376	26.319,705	269.672,767	10,246	9,786
23	12	98.308	73.875,828	2.819.558,608	38,166	37,706	73	62	61.760	24.938,490	243.353,062	9,758	9,298
24	13	98.227	72.903,508	2.745.682,779	37,662	37,201	74	63	58.991	23.526,337	218.414,572	9,284	8,823
25	14	98.146	71.944,249	2.672.779,272	37,151	36,690	75	64	56.102	22.098,053	194.888,235	8,819	8,359
26	15	98.063	70.995,799	2.600.835,023	36,634	36,173	76	65	53.117	20.663,914	172.790,183	8,362	7,902
27	16	97.975	70.056,642	2.529.839,224	36,111	35,651	77	66	50.055	19.232,320	152.126,269	7,910	7,450
28	17	97.884	69.127,620	2.459.782,582	35,583	35,123	78	67	46.887	17.792,564	132.893,949	7,469	7,009
29	18	97.791	68.208,998	2.390.654,962	35,049	34,589	79	68	43.593	16.338,391	115.101,385	7,045	6,584
30	19	97.694	67.300,169	2.322.445,964	34,509	34,048	80	69	40.225	14.889,815	98.762,993	6,633	6,173
31	20	97.595	66.402,331	2.255.145,795	33,962	33,501	81	70	36.760	13.439,383	83.873,178	6,241	5,780
32	21	97.488	65.510,061	2.188.743,464	33,411	32,950	82	71	33.262	12.010,479	70.433,795	5,864	5,404
33	22	97.384	64.632,471	2.123.233,403	32,851	32,390	83	72	29.652	10.574,510	58.423,316	5,525	5,065
34	23	97.272	63.761,275	2.058.600,932	32,286	31,826	84	73	26.150	9.210,662	47.848,806	5,195	4,735
35	24	97.154	62.897,539	1.994.839,657	31,716	31,255	85	74	22.793	7.928,984	38.638,144	4,873	4,413
36	25	97.026	62.039,157	1.931.942,118	31,141	30,680	86	75	19.686	6.763,543	30.709,160	4,540	4,080
37	26	96.892	61.189,014	1.869.902,960	30,559	30,099	87	76	16.635	5.644,914	23.945,617	4,242	3,782
38	27	96.748	60.343,683	1.808.713,947	29,974	29,513	88	77	13.728	4.600,818	18.300,703	3,978	3,517
39	28	96.587	59.499,230	1.748.370,264	29,385	28,924	89	78	11.083	3.668,615	13.699,885	3,734	3,274
40	29	96.409	58.656,683	1.688.871,034	28,792	28,332	90	79	8.753	2.861,718	10.031,271	3,505	3,045
41	30	96.215	57.815,827	1.630.214,351	28,197	27,736	91	80	6.758	2.182,206	7.169,552	3,285	2,825
42	31	96.001	56.974,915	1.572.398,524	27,598	27,138	92	81	5.062	1.614,176	4.987,347	3,090	2,629
43	32	95.755	56.127,356	1.515.423,609	27,000	26,539	93	82	3.681	1.159,269	3.373,171	2,910	2,449
44	33	95.484	55.277,533	1.459.296,253	26,399	25,939	94	83	2.590	805,728	2.213,902	2,748	2,287
45	34	95.190	54.426,868	1.404.018,720	25,796	25,336	95	84	1.765	542,331	1.408,174	2,597	2,136
46	35	94.852	53.564,401	1.349.591,852	25,196	24,735	96	85	1.161	352,431	865,843	2,457	1,996
47	36	94.482	52.696,552	1.296.027,451	24,594	24,134	97	86	739	221,371	513,413	2,319	1,859
48	37	94.075	51.821,589	1.243.330,899	23,993	23,532	98	87	450	133,119	292,041	2,194	1,733
49	38	93.633	50.941,611	1.191.509,309	23,390	22,929	99	88	261	76,258	158,923	2,084	1,624
							100	89	144	41,715	82,664	1,982	1,521

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 12 Jahre

Zinsfuß 1,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	38	93.213	50.086,881	1.145.891,464	22,878	22,418
1							51	39	92.686	49.188,960	1.095.804,583	22,277	21,817
2							52	40	92.132	48.291,320	1.046.615,623	21,673	21,213
3							53	41	91.512	47.374,155	998.324,303	21,073	20,613
4							54	42	90.847	46.449,230	950.950,148	20,473	20,013
5							55	43	90.129	45.513,039	904.500,918	19,873	19,413
6							56	44	89.338	44.556,762	858.987,878	19,279	18,818
7							57	45	88.515	43.601,269	814.431,117	18,679	18,219
8							58	46	87.610	42.622,659	770.829,847	18,085	17,625
9							59	47	86.619	41.620,389	728.207,188	17,496	17,036
10							60	48	85.542	40.595,381	686.586,800	16,913	16,453
11							61	49	84.399	39.558,769	645.991,419	16,330	15,870
12	0	99.370	85.607,876	3.705.919,066	43,289	42,829	62	50	83.185	38.508,204	606.432,650	15,748	15,288
13	1	98.980	84.218,954	3.620.311,190	42,987	42,527	63	51	81.857	37.425,700	567.924,445	15,175	14,714
14	2	98.931	83.138,643	3.536.092,236	42,532	42,072	64	52	80.450	36.328,322	530.498,745	14,603	14,143
15	3	98.893	82.080,859	3.452.953,593	42,068	41,607	65	53	78.941	35.206,817	494.170,423	14,036	13,576
16	4	98.853	81.034,481	3.370.872,734	41,598	41,138	66	54	77.314	34.055,325	458.963,605	13,477	13,017
17	5	98.802	79.993,068	3.289.838,253	41,127	40,666	67	55	75.571	32.876,547	424.908,281	12,924	12,464
18	6	98.740	78.955,132	3.209.845,185	40,654	40,194	68	56	73.672	31.654,811	392.031,734	12,385	11,924
19	7	98.656	77.914,049	3.130.890,052	40,184	39,724	69	57	71.642	30.402,386	360.376,923	11,854	11,393
20	8	98.567	76.883,473	3.052.976,003	39,709	39,249	70	58	69.485	29.123,233	329.974,537	11,330	10,870
21	9	98.483	75.869,281	2.976.092,530	39,227	38,766	71	59	67.178	27.808,835	300.851,304	10,819	10,358
22	10	98.400	74.869,031	2.900.223,249	38,737	38,277	72	60	64.732	26.465,377	273.042,469	10,317	9,857
23	11	98.317	73.882,757	2.825.354,218	38,241	37,781	73	61	62.110	25.079,622	246.577,092	9,832	9,371
24	12	98.235	72.909,700	2.751.471,461	37,738	37,278	74	62	59.365	23.675,323	221.497,470	9,356	8,895
25	13	98.155	71.951,220	2.678.561,761	37,227	36,767	75	63	56.487	22.249,389	197.822,146	8,891	8,431
26	14	98.074	71.004,073	2.606.610,541	36,711	36,250	76	64	53.508	20.816,138	175.572,757	8,434	7,974
27	15	97.992	70.069,161	2.535.606,468	36,187	35,727	77	65	50.467	19.390,691	154.756,619	7,981	7,521
28	16	97.905	69.142,263	2.465.537,307	35,659	35,199	78	66	47.315	17.955,177	135.365,928	7,539	7,079
29	17	97.812	68.224,009	2.396.395,044	35,125	34,665	79	67	44.041	16.506,176	117.410,751	7,113	6,653
30	18	97.722	67.319,529	2.328.171,036	34,584	34,123	80	68	40.690	15.062,089	100.904,574	6,699	6,239
31	19	97.622	66.420,743	2.260.851,506	34,038	33,578	81	69	37.235	13.613,061	85.842,485	6,306	5,846
32	20	97.518	65.530,760	2.194.430,763	33,487	33,027	82	70	33.742	12.183,652	72.229,424	5,928	5,468
33	21	97.408	64.648,288	2.128.900,004	32,930	32,470	83	71	30.140	10.748,772	60.045,773	5,586	5,126
34	22	97.298	63.778,543	2.064.251,715	32,366	31,906	84	72	26.630	9.379,771	49.297,001	5,256	4,795
35	23	97.179	62.913,953	2.000.473,173	31,797	31,337	85	73	23.267	8.093,876	39.917,230	4,932	4,471
36	24	97.052	62.056,017	1.937.559,219	31,223	30,762	86	74	20.144	6.921,078	31.823,354	4,598	4,138
37	25	96.916	61.204,074	1.875.503,202	30,643	30,183	87	75	17.078	5.795,168	24.902,276	4,297	3,837
38	26	96.775	60.360,581	1.814.299,128	30,058	29,597	88	76	14.137	4.737,974	19.107,107	4,033	3,572
39	27	96.615	59.516,575	1.753.938,547	29,470	29,009	89	77	11.456	3.791,977	14.369,133	3,789	3,329
40	28	96.438	58.674,099	1.694.421,972	28,879	28,418	90	78	9.090	2.971,862	10.577,156	3,559	3,099
41	29	96.243	57.832,756	1.635.747,874	28,284	27,824	91	79	7.055	2.278,034	7.605,294	3,339	2,878
42	30	96.032	56.993,576	1.577.915,118	27,686	27,225	92	80	5.321	1.696,836	5.327,261	3,140	2,679
43	31	95.789	56.147,412	1.520.921,542	27,088	26,628	93	81	3.898	1.227,706	3.630,424	2,957	2,497
44	32	95.518	55.297,196	1.464.774,130	26,489	26,029	94	82	2.769	861,395	2.402,718	2,789	2,329
45	33	95.228	54.448,625	1.409.476,935	25,886	25,426	95	83	1.901	584,193	1.541,323	2,638	2,178
46	34	94.897	53.589,524	1.355.028,310	25,285	24,825	96	84	1.263	383,228	957,131	2,498	2,037
47	35	94.530	52.723,544	1.301.438,786	24,684	24,224	97	85	809	242,419	573,903	2,367	1,907
48	36	94.128	51.850,909	1.248.715,241	24,083	23,622	98	86	500	148,044	331,484	2,239	1,779
49	37	93.691	50.972,868	1.196.864,332	23,480	23,020	99	87	296	86,449	183,440	2,122	1,662
							100	88	166	48,032	96,992	2,019	1,559

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 13 Jahre

Zinsfuß 1,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	37	93.270	50.117,614	1.150.768,919	22,961	22,501
1							51	38	92.751	49.223,392	1.100.651,305	22,360	21,900
2							52	39	92.206	48.329,997	1.051.427,913	21,755	21,295
3							53	40	91.592	47.415,406	1.003.097,916	21,156	20,695
4							54	41	90.937	46.495,190	955.682,510	20,554	20,094
5							55	42	90.230	45.564,284	909.187,320	19,954	19,494
6							56	43	89.454	44.614,672	863.623,036	19,357	18,897
7							57	44	88.638	43.662,047	819.008,363	18,758	18,298
8							58	45	87.749	42.690,366	775.346,316	18,162	17,702
9							59	46	86.775	41.695,272	732.655,950	17,572	17,111
10							60	47	85.709	40.674,479	690.960,678	16,988	16,527
11							61	48	84.579	39.642,809	650.286,199	16,404	15,943
12							62	49	83.386	38.601,106	610.643,390	15,819	15,359
13	0	99.357	84.539,947	3.626.056,782	42,892	42,431	63	50	82.065	37.520,501	572.042,283	15,246	14,786
14	1	98.967	83.168,429	3.541.516,835	42,582	42,122	64	51	80.674	36.429,496	534.521,783	14,673	14,212
15	2	98.913	82.097,091	3.458.348,406	42,125	41,665	65	52	79.181	35.313,578	498.092,287	14,105	13,644
16	3	98.870	81.048,393	3.376.251,315	41,657	41,197	66	53	77.559	34.163,196	462.778,709	13,546	13,086
17	4	98.815	80.003,401	3.295.202,922	41,188	40,728	67	54	75.834	32.991,298	428.615,513	12,992	12,531
18	5	98.752	78.965,455	3.215.199,521	40,717	40,256	68	55	73.952	31.775,139	395.624,214	12,451	11,990
19	6	98.665	77.921,229	3.136.234,067	40,249	39,788	69	56	71.930	30.524,935	363.849,075	11,920	11,459
20	7	98.576	76.890,169	3.058.312,837	39,775	39,315	70	57	69.797	29.253,795	333.324,141	11,394	10,934
21	8	98.493	75.876,564	2.981.422,668	39,293	38,833	71	58	67.504	27.943,400	304.070,345	10,882	10,421
22	9	98.406	74.873,869	2.905.546,104	38,806	38,345	72	59	65.063	26.600,609	276.126,945	10,380	9,920
23	10	98.325	73.888,971	2.830.672,234	38,310	37,849	73	60	62.453	25.218,431	249.526,336	9,895	9,434
24	11	98.244	72.916,538	2.756.783,264	37,807	37,347	74	61	59.701	23.809,306	224.307,905	9,421	8,961
25	12	98.164	71.957,331	2.683.866,726	37,298	36,838	75	62	56.844	22.390,289	200.498,599	8,955	8,494
26	13	98.084	71.010,953	2.611.909,395	36,782	36,321	76	63	53.875	20.958,696	178.108,310	8,498	8,038
27	14	98.004	70.077,327	2.540.898,441	36,258	35,798	77	64	50.839	19.533,536	157.149,614	8,045	7,585
28	15	97.922	69.154,619	2.470.821,115	35,729	35,269	78	65	47.705	18.103,031	137.616,078	7,602	7,141
29	16	97.833	68.238,460	2.401.666,496	35,195	34,735	79	66	44.443	16.657,032	119.513,046	7,175	6,715
30	17	97.743	67.334,344	2.333.428,036	34,654	34,194	80	67	41.108	15.216,768	102.856,014	6,759	6,299
31	18	97.651	66.439,850	2.266.093,692	34,107	33,647	81	68	37.666	13.770,563	87.639,247	6,364	5,904
32	19	97.545	65.548,930	2.199.653,842	33,557	33,097	82	69	34.178	12.341,101	73.868,684	5,986	5,525
33	20	97.438	64.668,714	2.134.104,911	33,001	32,540	83	70	30.575	10.903,753	61.527,582	5,643	5,182
34	21	97.322	63.794,151	2.069.436,197	32,439	31,979	84	71	27.069	9.534,344	50.623,830	5,310	4,849
35	22	97.205	62.930,991	2.005.642,045	31,870	31,410	85	72	23.694	8.242,480	41.089,485	4,985	4,525
36	23	97.077	62.072,212	1.942.711,054	31,298	30,837	86	73	20.563	7.065,009	32.847,005	4,649	4,189
37	24	96.943	61.220,706	1.880.638,842	30,719	30,259	87	74	17.476	5.930,149	25.781,996	4,348	3,887
38	25	96.799	60.375,438	1.819.418,136	30,135	29,675	88	75	14.513	4.864,088	19.851,847	4,081	3,621
39	26	96.642	59.533,241	1.759.042,698	29,547	29,087	89	76	11.797	3.905,021	14.987,759	3,838	3,378
40	27	96.466	58.691,203	1.699.509,457	28,957	28,496	90	77	9.396	3.071,795	11.082,738	3,608	3,148
41	28	96.272	57.849,927	1.640.818,254	28,363	27,903	91	78	7.327	2.365,712	8.010,943	3,386	2,926
42	29	96.060	57.010,263	1.582.968,327	27,766	27,306	92	79	5.555	1.771,350	5.645,231	3,187	2,727
43	30	95.820	56.165,802	1.525.958,064	27,169	26,708	93	80	4.098	1.290,576	3.873,881	3,002	2,541
44	31	95.552	55.316,955	1.469.792,262	26,570	26,110	94	81	2.933	912,247	2.583,305	2,832	2,371
45	32	95.262	54.467,992	1.414.475,307	25,969	25,509	95	82	2.033	624,554	1.671,058	2,676	2,215
46	33	94.935	53.610,946	1.360.007,315	25,368	24,908	96	83	1.360	412,809	1.046,504	2,535	2,075
47	34	94.575	52.748,274	1.306.396,369	24,767	24,306	97	84	880	263,603	633,696	2,404	1,944
48	35	94.176	51.877,468	1.253.648,095	24,166	23,705	98	85	548	162,120	370,093	2,283	1,822
49	36	93.744	51.001,708	1.201.770,627	23,563	23,103	99	86	329	96,141	207,973	2,163	1,703
							100	87	189	54,451	111,832	2,054	1,593

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 14 Jahre

Zinsfuß 1,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	36	93.323	50.145,970	1.155.236,781	23,037	22,577
1							51	37	92.808	49.253,595	1.105.090,811	22,437	21,976
2							52	38	92.270	48.363,828	1.055.837,216	21,831	21,371
3							53	39	91.665	47.453,381	1.007.473,388	21,231	20,770
4							54	40	91.016	46.535,675	960.020,007	20,630	20,169
5							55	41	90.319	45.609,368	913.484,332	20,028	19,568
6							56	42	89.555	44.664,906	867.874,963	19,431	18,970
7							57	43	88.753	43.718,795	823.210,057	18,830	18,369
8							58	44	87.871	42.749,875	779.491,262	18,234	17,773
9							59	45	86.913	41.761,507	736.741,388	17,642	17,181
10							60	46	85.863	40.747,661	694.979,881	17,056	16,595
11							61	47	84.744	39.720,051	654.232,221	16,471	16,011
12							62	48	83.563	38.683,112	614.512,170	15,886	15,425
13							63	49	82.263	37.611,020	575.829,058	15,310	14,850
14	0	99.344	83.485,418	3.546.812,803	42,484	42,024	64	50	80.879	36.521,773	538.218,038	14,737	14,277
15	1	98.948	82.126,504	3.463.327,385	42,171	41,710	65	51	79.401	35.411,925	501.696,265	14,167	13,707
16	2	98.890	81.064,420	3.381.200,881	41,710	41,250	66	52	77.794	34.266,792	466.284,340	13,607	13,147
17	3	98.832	80.017,136	3.300.136,461	41,243	40,782	67	53	76.075	33.095,800	432.017,548	13,054	12,593
18	4	98.765	78.975,655	3.220.119,325	40,774	40,313	68	54	74.210	31.886,046	398.921,748	12,511	12,050
19	5	98.678	77.931,417	3.141.143,670	40,307	39,846	69	55	72.204	30.640,968	367.035,702	11,979	11,518
20	6	98.585	76.897,255	3.063.212,253	39,835	39,375	70	56	70.078	29.371,715	336.394,734	11,453	10,993
21	7	98.501	75.883,173	2.986.314,998	39,354	38,894	71	57	67.806	28.068,673	307.023,020	10,938	10,478
22	8	98.415	74.881,057	2.910.431,825	38,867	38,407	72	58	65.378	26.729,327	278.954,346	10,436	9,976
23	9	98.332	73.893,745	2.835.550,768	38,373	37,913	73	59	62.772	25.347,291	252.225,019	9,951	9,490
24	10	98.252	72.922,670	2.761.657,023	37,871	37,411	74	60	60.031	23.941,084	226.877,728	9,477	9,016
25	11	98.173	71.964,080	2.688.734,353	37,362	36,902	75	61	57.166	22.517,000	202.936,644	9,013	8,552
26	12	98.092	71.016,985	2.616.770,273	36,847	36,387	76	62	54.216	21.091,422	180.419,644	8,554	8,094
27	13	98.013	70.084,117	2.545.753,288	36,324	35,864	77	63	51.187	19.667,310	159.328,222	8,101	7,641
28	14	97.934	69.162,678	2.475.669,171	35,795	35,334	78	64	48.056	18.236,391	139.660,911	7,658	7,198
29	15	97.850	68.250,654	2.406.506,493	35,260	34,799	79	65	44.809	16.794,197	121.424,521	7,230	6,770
30	16	97.764	67.348,607	2.338.255,839	34,719	34,258	80	66	41.484	15.355,839	104.630,324	6,814	6,353
31	17	97.672	66.454,472	2.270.907,232	34,172	33,712	81	67	38.053	13.911,978	89.274,485	6,417	5,957
32	18	97.573	65.567,787	2.204.452,760	33,621	33,161	82	68	34.573	12.483,887	75.362,507	6,037	5,576
33	19	97.465	64.686,646	2.138.884,973	33,065	32,605	83	69	30.970	11.044,662	62.878,620	5,693	5,233
34	20	97.353	63.814,308	2.074.198,327	32,504	32,043	84	70	27.459	9.671,815	51.833,958	5,359	4,899
35	21	97.229	62.946,393	2.010.384,020	31,938	31,478	85	71	24.084	8.378,312	42.162,143	5,032	4,572
36	22	97.104	62.089,022	1.947.437,627	31,365	30,905	86	72	20.940	7.194,724	33.783,831	4,696	4,235
37	23	96.968	61.236,683	1.885.348,605	30,788	30,328	87	73	17.839	6.053,472	26.589,107	4,392	3,932
38	24	96.825	60.391,845	1.824.111,922	30,205	29,744	88	74	14.851	4.977,382	20.535,635	4,126	3,665
39	25	96.666	59.547,894	1.763.720,077	29,619	29,158	89	75	12.111	4.008,964	15.558,253	3,881	3,420
40	26	96.493	58.707,639	1.704.172,183	29,028	28,568	90	76	9.676	3.163,369	11.549,290	3,651	3,191
41	27	96.300	57.866,791	1.645.464,544	28,435	27,975	91	77	7.573	2.445,263	8.385,921	3,429	2,969
42	28	96.089	57.027,190	1.587.597,753	27,839	27,379	92	78	5.768	1.839,527	5.940,658	3,229	2,769
43	29	95.849	56.182,247	1.530.570,563	27,243	26,783	93	79	4.277	1.347,249	4.101,131	3,044	2,584
44	30	95.583	55.335,073	1.474.388,316	26,645	26,184	94	80	3.083	958,962	2.753,882	2,872	2,411
45	31	95.296	54.487,455	1.419.053,243	26,044	25,583	95	81	2.153	661,424	1.794,920	2,714	2,253
46	32	94.968	53.630,016	1.364.565,788	25,444	24,984	96	82	1.454	441,329	1.133,496	2,568	2,108
47	33	94.612	52.769,359	1.310.935,772	24,843	24,382	97	83	947	283,950	692,166	2,438	1,977
48	34	94.220	51.901,800	1.258.166,413	24,241	23,781	98	84	596	176,286	408,216	2,316	1,855
49	35	93.792	51.027,832	1.206.264,613	23,639	23,179	99	85	360	105,282	231,930	2,203	1,743
							100	86	210	60,556	126,648	2,091	1,631

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 15 Jahre

Zinsfuß 1,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	35	93.371	50.171,656	1.159.328,846	23,107	22,647
1							51	36	92.860	49.281,462	1.109.157,190	22,507	22,046
2							52	37	92.327	48.393,504	1.059.875,728	21,901	21,441
3							53	38	91.729	47.486,598	1.011.482,225	21,300	20,840
4							54	39	91.089	46.572,946	963.995,626	20,699	20,238
5							55	40	90.398	45.649,082	917.422,680	20,097	19,637
6							56	41	89.643	44.709,100	871.773,598	19,499	19,038
7							57	42	88.853	43.768,020	827.064,498	18,897	18,436
8							58	43	87.985	42.805,437	783.296,478	18,299	17,839
9							59	44	87.034	41.819,720	740.491,041	17,707	17,246
10							60	45	85.999	40.812,389	698.671,321	17,119	16,659
11							61	46	84.896	39.791,515	657.858,932	16,533	16,072
12							62	47	83.726	38.758,484	618.067,417	15,947	15,486
13							63	48	82.437	37.690,922	579.308,933	15,370	14,910
14							64	49	81.074	36.609,883	541.618,011	14,794	14,334
15	0	99.326	82.439,522	3.468.210,732	42,070	41,609	65	50	79.602	35.501,625	505.008,128	14,225	13,765
16	1	98.925	81.093,463	3.385.771,210	41,751	41,291	66	51	78.011	34.362,224	469.506,504	13,663	13,203
17	2	98.852	80.032,959	3.304.677,747	41,291	40,831	67	52	76.305	33.196,158	435.144,279	13,108	12,648
18	3	98.782	78.989,213	3.224.644,788	40,824	40,363	68	53	74.445	31.987,047	401.948,121	12,566	12,106
19	4	98.690	77.941,483	3.145.655,574	40,359	39,899	69	54	72.456	30.747,916	369.961,074	12,032	11,572
20	5	98.598	76.907,309	3.067.714,091	39,888	39,428	70	55	70.344	29.483,364	339.213,158	11,505	11,045
21	6	98.510	75.890,166	2.990.806,783	39,410	38,949	71	56	68.079	28.181,815	309.729,794	10,990	10,530
22	7	98.424	74.887,579	2.914.916,617	38,924	38,464	72	57	65.671	26.849,157	281.547,978	10,486	10,026
23	8	98.341	73.900,839	2.840.029,037	38,430	37,970	73	58	63.076	25.469,945	254.698,821	10,000	9,540
24	9	98.259	72.927,382	2.766.128,198	37,930	37,470	74	59	60.338	24.063,417	229.228,876	9,526	9,066
25	10	98.181	71.970,132	2.693.200,816	37,421	36,961	75	60	57.482	22.641,625	205.165,459	9,061	8,601
26	11	98.101	71.023,645	2.621.230,684	36,906	36,446	76	61	54.523	21.210,783	182.523,833	8,605	8,145
27	12	98.022	70.090,070	2.550.207,039	36,385	35,924	77	62	51.511	19.791,858	161.313,051	8,150	7,690
28	13	97.943	69.169,380	2.480.116,969	35,856	35,395	78	63	48.386	18.361,281	141.521,192	7,708	7,247
29	14	97.862	68.258,608	2.410.947,589	35,321	34,860	79	64	45.139	16.917,914	123.159,911	7,280	6,819
30	15	97.782	67.360,642	2.342.688,981	34,778	34,318	80	65	41.825	15.482,289	106.241,997	6,862	6,402
31	16	97.693	66.468,548	2.275.328,339	34,232	33,771	81	66	38.401	14.039,124	90.759,708	6,465	6,004
32	17	97.595	65.582,216	2.208.859,791	33,681	33,220	82	67	34.928	12.612,089	76.720,584	6,083	5,623
33	18	97.493	64.705,255	2.143.277,575	33,124	32,663	83	68	31.328	11.172,448	64.108,495	5,738	5,278
34	19	97.380	63.832,002	2.078.572,320	32,563	32,103	84	69	27.814	9.796,804	52.936,047	5,403	4,943
35	20	97.260	62.966,281	2.014.740,318	31,997	31,537	85	70	24.432	8.499,114	43.139,243	5,076	4,615
36	21	97.128	62.104,217	1.951.774,037	31,427	30,967	86	71	21.286	7.313,289	34.640,129	4,737	4,276
37	22	96.994	61.253,267	1.889.669,820	30,850	30,390	87	72	18.167	6.164,615	27.326,840	4,433	3,972
38	23	96.851	60.407,606	1.828.416,553	30,268	29,808	88	73	15.160	5.080,891	21.162,225	4,165	3,705
39	24	96.692	59.564,076	1.768.008,947	29,682	29,222	89	74	12.393	4.102,340	16.081,334	3,920	3,460
40	25	96.517	58.722,088	1.708.444,871	29,094	28,633	90	75	9.934	3.247,571	11.978,994	3,689	3,228
41	26	96.327	57.882,996	1.649.722,782	28,501	28,041	91	76	7.799	2.518,159	8.731,423	3,467	3,007
42	27	96.117	57.043,815	1.591.839,787	27,906	27,445	92	77	5.962	1.901,384	6.213,264	3,268	2,807
43	28	95.877	56.198,928	1.534.795,972	27,310	26,850	93	78	4.442	1.399,103	4.311,880	3,082	2,621
44	29	95.611	55.351,275	1.478.597,044	26,713	26,253	94	79	3.218	1.001,073	2.912,777	2,910	2,449
45	30	95.327	54.505,301	1.423.245,770	26,112	25,652	95	80	2.263	695,295	1.911,704	2,749	2,289
46	31	95.002	53.649,180	1.368.740,468	25,513	25,052	96	81	1.540	467,383	1.216,409	2,603	2,142
47	32	94.646	52.788,129	1.315.091,289	24,913	24,452	97	82	1.013	303,568	749,026	2,467	2,007
48	33	94.258	51.922,547	1.262.303,159	24,311	23,851	98	83	642	189,894	445,458	2,346	1,885
49	34	93.836	51.051,766	1.210.380,612	23,709	23,248	99	84	392	114,482	255,564	2,232	1,772
							100	85	230	66,313	141,082	2,128	1,667

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 16 Jahre

Zinsfuß 1,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	34	93.414	50.195,188	1.163.076,767	23,171	22,711
1							51	35	92.908	49.306,705	1.112.881,579	22,571	22,110
2							52	36	92.379	48.420,884	1.063.574,874	21,965	21,505
3							53	37	91.786	47.515,736	1.015.153,991	21,365	20,904
4							54	38	91.153	46.605,547	967.638,255	20,762	20,302
5							55	39	90.470	45.685,643	921.032,708	20,160	19,700
6							56	40	89.721	44.748,030	875.347,065	19,562	19,101
7							57	41	88.941	43.811,326	830.599,035	18,959	18,498
8							58	42	88.085	42.853,633	786.787,708	18,360	17,899
9							59	43	87.147	41.874,073	743.934,075	17,766	17,306
10							60	44	86.119	40.869,280	702.060,002	17,178	16,718
11							61	45	85.031	39.854,725	661.190,722	16,590	16,130
12							62	46	83.876	38.828,218	621.335,996	16,002	15,542
13							63	47	82.598	37.764,361	582.507,778	15,425	14,964
14							64	48	81.246	36.687,658	544.743,417	14,848	14,388
15							65	49	79.794	35.587,273	508.055,759	14,276	13,816
16	0	99.302	81.402,543	3.390.276,231	41,648	41,188	66	50	78.208	34.449,265	472.468,486	13,715	13,255
17	1	98.887	80.061,633	3.308.873,688	41,329	40,869	67	51	76.518	33.288,609	438.019,221	13,158	12,698
18	2	98.802	79.004,834	3.228.812,055	40,869	40,408	68	52	74.671	32.084,043	404.730,612	12,615	12,154
19	3	98.707	77.954,864	3.149.807,222	40,406	39,945	69	53	72.685	30.845,312	372.646,569	12,081	11,621
20	4	98.611	76.917,243	3.071.852,358	39,937	39,477	70	54	70.590	29.586,272	341.801,257	11,553	11,092
21	5	98.523	75.900,088	2.994.935,115	39,459	38,999	71	55	68.338	28.288,942	312.214,985	11,037	10,576
22	6	98.433	74.894,480	2.919.035,027	38,975	38,515	72	56	66.936	26.957,384	283.926,043	10,532	10,072
23	7	98.350	73.907,276	2.844.140,547	38,483	38,022	73	57	63.359	25.584,129	256.968,659	10,044	9,584
24	8	98.268	72.934,383	2.770.233,271	37,983	37,522	74	58	60.630	24.179,859	231.384,531	9,569	9,109
25	9	98.187	71.974,783	2.697.298,888	37,476	37,015	75	59	57.776	22.757,319	207.204,672	9,105	8,645
26	10	98.109	71.029,618	2.625.324,105	36,961	36,501	76	60	54.825	21.328,178	184.447,353	8,648	8,188
27	11	98.031	70.096,643	2.554.294,487	36,440	35,979	77	61	51.803	19.903,864	163.119,175	8,195	7,735
28	12	97.952	69.175,255	2.484.197,843	35,912	35,451	78	62	48.692	18.477,558	143.215,311	7,751	7,290
29	13	97.871	68.265,222	2.415.022,589	35,377	34,917	79	63	45.448	17.033,775	124.737,752	7,323	6,863
30	14	97.793	67.368,492	2.346.757,367	34,835	34,374	80	64	42.133	15.596,342	107.703,977	6,906	6,445
31	15	97.710	66.480,426	2.279.388,874	34,287	33,826	81	65	38.717	14.154,731	92.107,635	6,507	6,047
32	16	97.616	65.596,108	2.212.908,448	33,735	33,275	82	66	35.248	12.727,355	77.952,904	6,125	5,664
33	17	97.515	64.719,494	2.147.312,340	33,179	32,718	83	67	31.650	11.287,182	65.225,549	5,779	5,318
34	18	97.408	63.850,365	2.082.592,846	32,617	32,156	84	68	28.136	9.910,152	53.938,367	5,443	4,982
35	19	97.287	62.983,740	2.018.742,481	32,052	31,591	85	69	24.747	8.608,949	44.028,214	5,114	4,654
36	20	97.158	62.123,839	1.955.758,740	31,482	31,021	86	70	21.592	7.418,735	35.419,265	4,774	4,314
37	21	97.018	61.268,258	1.893.634,901	30,907	30,447	87	71	18.466	6.266,204	28.000,530	4,468	4,008
38	22	96.877	60.423,965	1.832.366,644	30,325	29,865	88	72	15.438	5.174,177	21.734,326	4,201	3,740
39	23	96.717	59.579,621	1.771.942,679	29,741	29,280	89	73	12.651	4.187,652	16.560,149	3,955	3,494
40	24	96.543	58.738,046	1.712.363,058	29,153	28,692	90	74	10.165	3.323,213	12.372,496	3,723	3,263
41	25	96.351	57.897,242	1.653.625,011	28,561	28,101	91	75	8.006	2.585,187	9.049,284	3,500	3,040
42	26	96.144	57.059,789	1.595.727,769	27,966	27,506	92	76	6.140	1.958,067	6.464,097	3,301	2,841
43	27	95.905	56.215,311	1.538.667,980	27,371	26,911	93	77	4.591	1.446,150	4.506,031	3,116	2,655
44	28	95.640	55.367,709	1.482.452,670	26,775	26,314	94	78	3.342	1.039,603	3.059,881	2,943	2,483
45	29	95.355	54.521,260	1.427.084,960	26,175	25,714	95	79	2.362	725,828	2.020,278	2,783	2,323
46	30	95.034	53.666,751	1.372.563,700	25,576	25,115	96	80	1.619	491,317	1.294,450	2,635	2,174
47	31	94.680	52.806,993	1.318.896,949	24,976	24,515	97	81	1.073	321,489	803,133	2,498	2,038
48	32	94.291	51.941,016	1.266.089,957	24,376	23,915	98	82	686	203,013	481,644	2,372	1,912
49	33	93.873	51.072,173	1.214.148,940	23,773	23,313	99	83	422	123,319	278,631	2,259	1,799
							100	84	250	72,108	155,312	2,154	1,693

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 17 Jahre

Zinsfuß 1,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	33	93.452	50.215,253	1.166.508,286	23,230	22,770
1							51	34	92.951	49.329,832	1.116.293,033	22,629	22,169
2							52	35	92.427	48.445,686	1.066.963,202	22,024	21,564
3							53	36	91.837	47.542,619	1.018.517,516	21,423	20,963
4							54	37	91.209	46.634,144	970.974,897	20,821	20,361
5							55	38	90.534	45.717,623	924.340,753	20,218	19,758
6							56	39	89.793	44.783,869	878.623,130	19,619	19,159
7							57	40	89.019	43.849,475	833.839,261	19,016	18,556
8							58	41	88.172	42.896,035	789.989,786	18,416	17,956
9							59	42	87.245	41.921,221	747.093,751	17,821	17,361
10							60	43	86.231	40.922,398	705.172,530	17,232	16,772
11							61	44	85.149	39.910,281	664.250,132	16,644	16,183
12							62	45	84.010	38.889,898	624.339,851	16,054	15,594
13							63	46	82.747	37.832,307	585.449,953	15,475	15,014
14							64	47	81.404	36.759,142	547.617,646	14,897	14,437
15							65	48	79.964	35.662,876	510.858,505	14,325	13,864
16							66	49	78.397	34.532,375	475.195,628	13,761	13,300
17	0	99.264	80.366,780	3.313.032,017	41,224	40,764	67	50	76.712	33.372,930	440.663,254	13,204	12,744
18	1	98.837	79.033,139	3.232.665,237	40,903	40,442	68	51	74.879	32.173,397	407.290,324	12,659	12,199
19	2	98.727	77.970,280	3.153.632,098	40,447	39,986	69	52	72.906	30.938,846	375.116,927	12,124	11,664
20	3	98.628	76.930,448	3.075.661,819	39,980	39,519	70	53	70.813	29.679,988	344.178,081	11,596	11,136
21	4	98.536	75.909,892	2.998.731,371	39,504	39,043	71	54	68.577	28.387,681	314.498,093	11,079	10,618
22	5	98.446	74.904,272	2.922.821,479	39,021	38,560	72	55	66.186	27.059,856	286.110,412	10,573	10,113
23	6	98.359	73.914,087	2.847.917,207	38,530	38,070	73	56	63.614	25.687,256	259.050,556	10,085	9,624
24	7	98.277	72.940,736	2.774.003,120	38,031	37,571	74	57	60.902	24.288,259	233.363,300	9,608	9,148
25	8	98.197	71.981,692	2.701.062,384	37,524	37,064	75	58	58.056	22.867,440	209.075,041	9,143	8,683
26	9	98.116	71.034,208	2.629.080,692	37,011	36,551	76	59	55.105	21.437,160	186.207,601	8,686	8,226
27	10	98.039	70.102,538	2.558.046,484	36,490	36,030	77	60	52.090	20.014,027	164.770,441	8,233	7,772
28	11	97.961	69.181,742	2.487.943,945	35,962	35,502	78	61	48.967	18.582,126	144.756,414	7,790	7,330
29	12	97.880	68.271,020	2.418.762,203	35,429	34,968	79	62	45.736	17.141,646	126.174,288	7,361	6,900
30	13	97.802	67.375,021	2.350.491,182	34,887	34,426	80	63	42.422	15.703,152	109.032,642	6,943	6,483
31	14	97.722	66.488,174	2.283.116,162	34,339	33,878	81	64	39.002	14.259,005	93.329,490	6,545	6,085
32	15	97.633	65.607,830	2.216.627,988	33,786	33,326	82	65	35.538	12.832,160	79.070,485	6,162	5,702
33	16	97.536	64.733,203	2.151.020,158	33,229	32,769	83	66	31.939	11.390,340	66.238,325	5,815	5,355
34	17	97.429	63.864,417	2.086.286,955	32,667	32,207	84	67	28.425	10.011,924	54.847,985	5,478	5,018
35	18	97.315	63.001,859	2.022.422,539	32,101	31,641	85	68	25.034	8.708,553	44.836,062	5,149	4,688
36	19	97.185	62.141,065	1.959.420,680	31,532	31,071	86	69	21.872	7.514,608	36.127,508	4,808	4,347
37	20	97.049	61.287,616	1.897.279,615	30,957	30,497	87	70	18.732	6.356,553	28.612,900	4,501	4,041
38	21	96.901	60.438,753	1.835.991,999	30,378	29,917	88	71	15.693	5.259,445	22.256,347	4,232	3,771
39	22	96.743	59.595,756	1.775.553,246	29,793	29,333	89	72	12.883	4.264,538	16.996,902	3,986	3,525
40	23	96.568	58.753,375	1.715.957,490	29,206	28,746	90	73	10.376	3.392,322	12.732,364	3,753	3,293
41	24	96.377	57.912,976	1.657.204,115	28,615	28,155	91	74	8.193	2.645,400	9.340,042	3,531	3,070
42	25	96.168	57.073,833	1.599.291,139	28,021	27,561	92	75	6.303	2.010,186	6.694,641	3,330	2,870
43	26	95.932	56.231,053	1.542.217,306	27,426	26,966	93	76	4.728	1.489,261	4.684,456	3,145	2,685
44	27	95.668	55.383,850	1.485.986,253	26,831	26,370	94	77	3.454	1.074,561	3.195,194	2,973	2,513
45	28	95.383	54.537,448	1.430.602,403	26,232	25,771	95	78	2.453	753,764	2.120,633	2,813	2,353
46	29	95.061	53.682,464	1.376.064,955	25,633	25,173	96	79	1.690	512,893	1.366,869	2,665	2,205
47	30	94.711	52.824,288	1.322.382,491	25,034	24,573	97	80	1.128	337,952	853,976	2,527	2,067
48	31	94.325	51.959,577	1.269.558,203	24,434	23,973	98	81	726	214,998	516,024	2,400	1,940
49	32	93.906	51.090,339	1.217.598,626	23,832	23,372	99	82	451	131,839	301,026	2,283	1,823
							100	83	269	77,674	169,187	2,178	1,718

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 18 Jahre

Zinsfuß 1,25%

Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	32	93.485	50.233,115	1.169.649,913	23,284	22,824
1							51	33	92.989	49.349,551	1.119.416,799	22,683	22,223
2							52	34	92.470	48.468,409	1.070.067,248	22,078	21,617
3							53	35	91.884	47.566,972	1.021.598,840	21,477	21,017
4							54	36	91.260	46.660,529	974.031,868	20,875	20,414
5							55	37	90.589	45.745,675	927.371,339	20,272	19,812
6							56	38	89.856	44.815,218	881.625,664	19,672	19,212
7							57	39	89.090	43.884,594	836.810,447	19,068	18,608
8							58	40	88.248	42.933,387	792.925,853	18,469	18,008
9							59	41	87.331	41.962,701	749.992,466	17,873	17,412
10							60	42	86.328	40.968,474	708.029,766	17,282	16,822
11							61	43	85.260	39.962,153	667.061,291	16,692	16,232
12							62	44	84.127	38.944,109	627.099,139	16,103	15,642
13							63	45	82.878	37.892,404	588.155,030	15,522	15,061
14							64	46	81.551	36.825,279	550.262,626	14,943	14,482
15							65	47	80.120	35.732,363	513.437,347	14,369	13,909
16							66	48	78.563	34.605,736	477.704,984	13,804	13,344
17							67	49	76.897	33.453,443	443.099,248	13,245	12,785
18	0	99.214	79.334,366	3.236.505,957	40,796	40,335	68	50	75.069	32.254,893	409.645,804	12,700	12,240
19	1	98.762	77.998,214	3.157.171,591	40,477	40,017	69	51	73.109	31.025,010	377.390,911	12,164	11,704
20	2	98.647	76.945,661	3.079.173,377	40,018	39,557	70	52	71.028	29.769,989	346.365,901	11,635	11,174
21	3	98.553	75.922,924	3.002.227,716	39,543	39,083	71	53	68.794	28.477,600	316.595,912	11,117	10,657
22	4	98.459	74.913,948	2.926.304,792	39,062	38,602	72	54	66.417	27.154,305	288.118,312	10,610	10,150
23	5	98.372	73.923,750	2.851.390,845	38,572	38,112	73	55	63.856	25.784,900	260.964,007	10,121	9,660
24	6	98.286	72.947,458	2.777.467,095	38,075	37,615	74	56	61.147	24.386,163	235.179,108	9,644	9,184
25	7	98.205	71.987,962	2.704.519,637	37,569	37,109	75	57	58.316	22.969,957	210.792,945	9,177	8,717
26	8	98.125	71.041,028	2.632.531,675	37,056	36,596	76	58	55.371	21.540,893	187.822,988	8,719	8,259
27	9	98.046	70.107,069	2.561.490,648	36,537	36,076	77	59	52.356	20.116,293	166.282,095	8,266	7,806
28	10	97.969	69.187,560	2.491.383,579	36,009	35,549	78	60	49.239	18.684,973	146.165,801	7,823	7,362
29	11	97.889	68.277,423	2.422.196,019	35,476	35,015	79	61	45.995	17.238,654	127.480,828	7,395	6,935
30	12	97.811	67.380,743	2.353.918,595	34,935	34,474	80	62	42.690	15.802,596	110.242,174	6,976	6,516
31	13	97.731	66.494,616	2.286.537,852	34,387	33,926	81	63	39.269	14.356,657	94.439,578	6,578	6,118
32	14	97.644	65.615,476	2.220.043,236	33,834	33,374	82	64	35.800	12.926,691	80.082,922	6,195	5,735
33	15	97.553	64.744,771	2.154.427,760	33,276	32,815	83	65	32.202	11.484,135	67.156,231	5,848	5,387
34	16	97.450	63.877,944	2.089.682,989	32,714	32,253	84	66	28.685	10.103,426	55.672,096	5,510	5,050
35	17	97.336	63.015,724	2.025.805,045	32,148	31,687	85	67	25.291	8.797,985	45.568,670	5,179	4,719
36	18	97.213	62.158,941	1.962.789,321	31,577	31,117	86	68	22.125	7.601,551	36.770,685	4,837	4,377
37	19	97.075	61.304,610	1.900.630,380	31,003	30,543	87	69	18.974	6.438,699	29.169,134	4,530	4,070
38	20	96.931	60.457,849	1.839.325,770	30,423	29,963	88	70	15.919	5.335,278	22.730,434	4,260	3,800
39	21	96.767	59.610,341	1.778.867,921	29,842	29,381	89	71	13.096	4.334,815	17.395,156	4,013	3,553
40	22	96.594	58.769,287	1.719.257,580	29,254	28,794	90	72	10.567	3.454,606	13.060,341	3,781	3,320
41	23	96.402	57.928,090	1.660.488,294	28,665	28,204	91	73	8.363	2.700,414	9.605,735	3,557	3,097
42	24	96.194	57.089,343	1.602.560,204	28,071	27,611	92	74	6.450	2.057,007	6.905,321	3,357	2,897
43	25	95.955	56.244,893	1.545.470,861	27,478	27,017	93	75	4.854	1.528,902	4.848,314	3,171	2,711
44	26	95.694	55.399,359	1.489.225,968	26,882	26,421	94	76	3.557	1.106,596	3.319,412	3,000	2,539
45	27	95.411	54.553,347	1.433.826,609	26,283	25,823	95	77	2.536	779,110	2.212,817	2,840	2,380
46	28	95.090	53.698,403	1.379.273,262	25,686	25,225	96	78	1.755	532,633	1.433,706	2,692	2,231
47	29	94.739	52.839,755	1.325.574,859	25,087	24,626	97	79	1.177	352,793	901,073	2,554	2,094
48	30	94.356	51.976,595	1.272.735,104	24,487	24,026	98	80	764	226,008	548,281	2,426	1,966
49	31	93.940	51.108,596	1.220.758,509	23,886	23,425	99	81	478	139,622	322,273	2,308	1,848
							100	82	288	83,040	182,651	2,200	1,739

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 19 Jahre

Zinsfuß 1,25%

Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	31	93.518	50.251,065	1.172.528,029	23,333	22,873
1							51	32	93.022	49.367,104	1.122.276,964	22,733	22,273
2							52	33	92.507	48.487,783	1.072.909,860	22,127	21,667
3							53	34	91.928	47.589,282	1.024.422,077	21,526	21,066
4							54	35	91.307	46.684,429	976.832,795	20,924	20,464
5							55	36	90.641	45.771,557	930.148,365	20,322	19,861
6							56	37	89.911	44.842,716	884.376,809	19,722	19,261
7							57	38	89.152	43.915,313	839.534,092	19,117	18,657
8							58	39	88.319	42.967,772	795.618,779	18,517	18,056
9							59	40	87.407	41.999,239	752.651,007	17,921	17,460
10							60	41	86.413	41.009,011	710.651,768	17,329	16,869
11							61	42	85.356	40.007,147	669.642,757	16,738	16,278
12							62	43	84.236	38.994,724	629.635,610	16,147	15,686
13							63	44	82.994	37.945,225	590.640,885	15,566	15,105
14							64	45	81.680	36.883,777	552.695,661	14,985	14,524
15							65	46	80.264	35.796,653	515.811,884	14,410	13,949
16							66	47	78.716	34.673,164	480.015,231	13,844	13,384
17							67	48	77.060	33.524,513	445.342,067	13,284	12,824
18							68	49	75.250	32.332,709	411.817,554	12,737	12,276
19	0	99.139	78.295,497	3.160.721,297	40,369	39,909	69	50	73.294	31.103,598	379.484,845	12,201	11,740
20	1	98.683	76.973,228	3.082.425,800	40,045	39,585	70	51	71.226	29.852,898	348.381,248	11,670	11,210
21	2	98.572	75.937,938	3.005.452,571	39,578	39,117	71	52	69.003	28.563,955	318.528,350	11,151	10,691
22	3	98.475	74.926,808	2.929.514,633	39,098	38,638	72	53	66.628	27.240,317	289.964,395	10,645	10,184
23	4	98.384	73.933,299	2.854.587,825	38,610	38,150	73	54	64.079	25.874,899	262.724,078	10,154	9,693
24	5	98.299	72.956,995	2.780.654,526	38,114	37,653	74	55	61.380	24.478,861	236.849,179	9,676	9,215
25	6	98.215	71.994,596	2.707.697,531	37,610	37,149	75	56	58.551	23.062,546	212.370,318	9,208	8,748
26	7	98.134	71.047,215	2.635.702,935	37,098	36,638	76	57	55.620	21.637,463	189.307,772	8,749	8,289
27	8	98.055	70.113,799	2.564.655,720	36,578	36,118	77	58	52.609	20.213,635	167.670,309	8,295	7,835
28	9	97.975	69.192,031	2.494.541,921	36,052	35,592	78	59	49.490	18.780,449	147.456,674	7,852	7,391
29	10	97.897	68.283,165	2.425.349,890	35,519	35,059	79	60	46.250	17.334,065	128.676,225	7,423	6,963
30	11	97.820	67.387,063	2.357.066,724	34,978	34,518	80	61	42.932	15.892,026	111.342,160	7,006	6,546
31	12	97.739	66.500,264	2.289.679,662	34,431	33,971	81	62	39.518	14.447,574	95.450,134	6,607	6,146
32	13	97.654	65.621,834	2.223.179,398	33,879	33,418	82	63	36.045	13.015,218	81.002,560	6,224	5,763
33	14	97.564	64.752,316	2.157.557,564	33,320	32,860	83	64	32.439	11.568,735	67.987,342	5,877	5,416
34	15	97.467	63.889,359	2.092.805,248	32,757	32,296	84	65	28.921	10.186,624	56.418,607	5,538	5,078
35	16	97.357	63.029,072	2.028.915,888	32,190	31,730	85	66	25.522	8.878,393	46.231,983	5,207	4,747
36	17	97.234	62.172,621	1.965.886,817	31,620	31,159	86	67	22.352	7.679,614	37.353,590	4,864	4,404
37	18	97.103	61.322,246	1.903.714,196	31,044	30,584	87	68	19.194	6.513,194	29.673,976	4,556	4,096
38	19	96.958	60.474,612	1.842.391,950	30,466	30,005	88	69	16.125	5.404,226	23.160,782	4,286	3,825
39	20	96.798	59.629,175	1.781.917,338	29,883	29,423	89	70	13.285	4.397,317	17.756,556	4,038	3,578
40	21	96.618	58.783,669	1.722.288,163	29,299	28,838	90	71	10.741	3.511,536	13.359,239	3,804	3,344
41	22	96.428	57.943,778	1.663.504,493	28,709	28,249	91	72	8.517	2.749,994	9.847,703	3,581	3,121
42	23	96.219	57.104,242	1.605.560,716	28,116	27,656	92	73	6.584	2.099,784	7.097,709	3,380	2,920
43	24	95.981	56.260,178	1.548.456,474	27,523	27,063	93	74	4.967	1.564,513	4.997,925	3,195	2,734
44	25	95.718	55.412,995	1.492.196,297	26,929	26,468	94	75	3.652	1.136,051	3.433,411	3,022	2,562
45	26	95.438	54.568,624	1.436.783,302	26,330	25,869	95	76	2.611	802,337	2.297,361	2,863	2,403
46	27	95.117	53.714,057	1.382.214,678	25,733	25,272	96	77	1.814	550,544	1.495,024	2,716	2,255
47	28	94.767	52.855,443	1.328.500,621	25,135	24,674	97	78	1.222	366,371	944,481	2,578	2,118
48	29	94.384	51.991,813	1.275.645,178	24,536	24,075	98	79	797	235,933	578,110	2,450	1,990
49	30	93.971	51.125,335	1.223.653,364	23,934	23,474	99	80	502	146,772	342,177	2,331	1,871
							100	81	305	87,943	195,405	2,222	1,762

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 20 Jahre

Zinsfuß 1,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	30	93.549	50.267,523	1.175.165,117	23,378	22,918
1							51	31	93.055	49.384,745	1.124.897,594	22,778	22,318
2							52	32	92.540	48.505,030	1.075.512,849	22,173	21,713
3							53	33	91.964	47.608,305	1.027.007,819	21,572	21,112
4							54	34	91.350	46.706,326	979.399,513	20,969	20,509
5							55	35	90.687	45.795,002	932.693,187	20,367	19,906
6							56	36	89.962	44.868,087	886.898,185	19,767	19,306
7							57	37	89.207	43.942,259	842.030,098	19,162	18,702
8							58	38	88.381	42.997,850	798.087,839	18,561	18,101
9							59	39	87.477	42.032,876	755.089,989	17,964	17,504
10							60	40	86.489	41.044,719	713.057,113	17,373	16,912
11							61	41	85.441	40.046,733	672.012,393	16,781	16,320
12							62	42	84.331	39.038,630	631.965,660	16,188	15,728
13							63	43	83.101	37.994,542	592.927,030	15,606	15,145
14							64	44	81.794	36.935,191	554.932,488	15,024	14,564
15							65	45	80.391	35.853,517	517.997,297	14,448	13,987
16							66	46	78.858	34.735,548	482.143,780	13,880	13,420
17							67	47	77.210	33.589,833	447.408,232	13,320	12,859
18							68	48	75.409	32.401,398	413.818,399	12,772	12,311
19							69	49	73.471	31.178,636	381.417,001	12,233	11,773
20	0	99.059	77.266,605	3.085.708,829	39,936	39,475	70	50	71.406	29.928,516	350.238,365	11,702	11,242
21	1	98.608	75.965,144	3.008.442,224	39,603	39,143	71	51	69.195	28.643,505	320.309,849	11,183	10,722
22	2	98.495	74.941,625	2.932.477,080	39,130	38,670	72	52	66.830	27.322,920	291.666,345	10,675	10,214
23	3	98.401	73.945,992	2.857.535,454	38,644	38,183	73	53	64.282	25.956,859	264.343,425	10,184	9,724
24	4	98.311	72.966,419	2.783.589,463	38,149	37,689	74	54	61.594	24.564,302	238.386,566	9,705	9,244
25	5	98.227	72.004,008	2.710.623,044	37,645	37,185	75	55	58.774	23.150,213	213.822,264	9,236	8,776
26	6	98.143	71.053,762	2.638.619,036	37,136	36,675	76	56	55.844	21.724,682	190.672,051	8,777	8,316
27	7	98.063	70.119,906	2.567.565,273	36,617	36,156	77	57	52.845	20.304,254	168.947,370	8,321	7,860
28	8	97.985	69.198,674	2.497.445,368	36,091	35,631	78	58	49.730	18.871,326	148.643,115	7,877	7,416
29	9	97.903	68.287,578	2.428.246,694	35,559	35,099	79	59	46.486	17.422,638	129.771,789	7,448	6,988
30	10	97.828	67.392,730	2.359.959,116	35,018	34,558	80	60	43.170	15.979,984	112.349,151	7,031	6,570
31	11	97.748	66.506,501	2.292.566,386	34,471	34,011	81	61	39.741	14.529,335	96.369,167	6,633	6,172
32	12	97.662	65.627,408	2.226.059,885	33,920	33,459	82	62	36.273	13.097,640	81.839,832	6,248	5,788
33	13	97.574	64.758,591	2.160.432,477	33,361	32,901	83	63	32.662	11.647,963	68.742,192	5,902	5,441
34	14	97.479	63.896,805	2.095.673,887	32,798	32,337	84	64	29.134	10.261,666	57.094,229	5,564	5,103
35	15	97.374	63.040,335	2.031.777,082	32,230	31,769	85	65	25.732	8.951,503	46.832,563	5,232	4,771
36	16	97.255	62.185,790	1.968.736,747	31,659	31,199	86	66	22.556	7.749,801	37.881,060	4,888	4,428
37	17	97.125	61.335,741	1.906.550,957	31,084	30,623	87	67	19.391	6.580,081	30.131,259	4,579	4,119
38	18	96.986	60.492,009	1.845.215,216	30,503	30,043	88	68	16.311	5.466,752	23.551,178	4,308	3,848
39	19	96.825	59.645,709	1.784.723,207	29,922	29,462	89	69	13.456	4.454,144	18.084,426	4,060	3,600
40	20	96.649	58.802,242	1.725.077,497	29,337	28,877	90	70	10.896	3.562,167	13.630,282	3,826	3,366
41	21	96.452	57.957,958	1.666.275,255	28,750	28,289	91	71	8.657	2.795,313	10.068,116	3,602	3,141
42	22	96.245	57.119,706	1.608.317,297	28,157	27,697	92	72	6.705	2.138,337	7.272,803	3,401	2,941
43	23	96.007	56.274,860	1.551.197,590	27,565	27,104	93	73	5.071	1.597,049	5.134,466	3,215	2,755
44	24	95.744	55.428,053	1.494.922,730	26,971	26,510	94	74	3.737	1.162,511	3.537,418	3,043	2,583
45	25	95.461	54.582,055	1.439.494,677	26,373	25,913	95	75	2.681	823,693	2.374,906	2,883	2,423
46	26	95.144	53.729,099	1.384.912,623	25,776	25,315	96	76	1.868	566,956	1.551,213	2,736	2,276
47	27	94.794	52.870,852	1.331.183,524	25,178	24,718	97	77	1.264	378,691	984,257	2,599	2,139
48	28	94.412	52.007,250	1.278.312,672	24,580	24,119	98	78	828	245,013	605,567	2,472	2,011
49	29	93.998	51.140,304	1.226.305,422	23,979	23,519	99	79	524	153,217	360,553	2,353	1,893
							100	80	320	92,446	207,336	2,243	1,782

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 21 Jahre

Zinsfuß 1,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	29	93.576	50.282,241	1.177.581,279	23,419	22,959
1							51	30	93.085	49.400,920	1.127.299,038	22,819	22,359
2							52	31	92.573	48.522,363	1.077.898,118	22,214	21,754
3							53	32	91.997	47.625,240	1.029.375,755	21,614	21,154
4							54	33	91.386	46.724,996	981.750,515	21,011	20,551
5							55	34	90.729	45.816,482	935.025,519	20,408	19,948
6							56	35	90.008	44.891,070	889.209,037	19,808	19,348
7							57	36	89.258	43.967,121	844.317,968	19,203	18,743
8							58	37	88.435	43.024,233	800.350,847	18,602	18,142
9							59	38	87.539	42.062,300	757.326,614	18,005	17,544
10							60	39	86.558	41.077,592	715.264,314	17,413	16,952
11							61	40	85.515	40.081,603	674.186,723	16,820	16,360
12							62	41	84.414	39.077,257	634.105,119	16,227	15,767
13							63	42	83.195	38.037,322	595.027,862	15,643	15,183
14							64	43	81.900	36.983,196	556.990,540	15,061	14,600
15							65	44	80.503	35.903,495	520.007,344	14,483	14,023
16							66	45	78.983	34.790,726	484.103,849	13,915	13,454
17							67	46	77.349	33.650,269	449.313,123	13,352	12,892
18							68	47	75.556	32.464,530	415.662,854	12,804	12,343
19							69	48	73.627	31.244,873	383.198,324	12,264	11,804
20							70	49	71.579	30.000,719	351.953,452	11,732	11,271
21	0	98.983	76.254,678	3.011.480,780	39,492	39,032	71	50	69.370	28.716,060	321.952,732	11,212	10,751
22	1	98.530	74.968,475	2.935.226,102	39,153	38,692	72	51	67.016	27.399,014	293.236,673	10,702	10,242
23	2	98.421	73.960,615	2.860.257,627	38,673	38,212	73	52	64.477	26.035,570	265.837,659	10,211	9,750
24	3	98.328	72.978,945	2.786.297,013	38,179	37,719	74	53	61.789	24.642,110	239.802,089	9,731	9,271
25	4	98.240	72.013,309	2.713.318,067	37,678	37,218	75	54	58.979	23.231,016	215.159,979	9,262	8,801
26	5	98.156	71.063,052	2.641.304,758	37,168	36,708	76	55	56.056	21.807,263	191.928,963	8,801	8,341
27	6	98.072	70.126,367	2.570.241,706	36,652	36,191	77	56	53.058	20.386,099	170.121,701	8,345	7,885
28	7	97.993	69.204,701	2.500.115,339	36,126	35,666	78	57	49.953	18.955,928	149.735,602	7,899	7,439
29	8	97.913	68.294,134	2.430.910,638	35,595	35,134	79	58	46.711	17.506,945	130.779,673	7,470	7,010
30	9	97.835	67.397,085	2.362.616,504	35,055	34,595	80	59	43.390	16.061,638	113.272,729	7,052	6,592
31	10	97.757	66.512,094	2.295.219,419	34,508	34,048	81	60	39.961	14.609,751	97.211,091	6,654	6,193
32	11	97.671	65.633,563	2.228.707,325	33,957	33,496	82	61	36.478	13.171,762	82.601,340	6,271	5,811
33	12	97.582	64.764,091	2.163.073,763	33,399	32,939	83	62	32.868	11.721,726	69.429,577	5,923	5,463
34	13	97.488	63.902,997	2.098.309,672	32,836	32,375	84	63	29.334	10.331,942	57.707,851	5,585	5,125
35	14	97.386	63.047,682	2.034.406,675	32,268	31,807	85	64	25.922	9.017,446	47.375,909	5,254	4,793
36	15	97.272	62.196,903	1.971.358,993	31,695	31,235	86	65	22.742	7.813,618	38.358,463	4,909	4,449
37	16	97.145	61.348,733	1.909.162,091	31,120	30,659	87	66	19.568	6.640,219	30.544,845	4,600	4,140
38	17	97.007	60.505,322	1.847.813,358	30,540	30,079	88	67	16.479	5.522,893	23.904,627	4,328	3,868
39	18	96.852	59.662,868	1.787.308,036	29,957	29,496	89	68	13.612	4.505,678	18.381,734	4,080	3,619
40	19	96.675	58.818,547	1.727.645,168	29,372	28,912	90	69	11.037	3.608,201	13.876,057	3,846	3,385
41	20	96.482	57.976,270	1.668.826,621	28,785	28,324	91	70	8.782	2.835,617	10.267,856	3,621	3,161
42	21	96.268	57.133,685	1.610.850,351	28,194	27,734	92	71	6.816	2.173,575	7.432,239	3,419	2,959
43	22	96.033	56.290,100	1.553.716,665	27,602	27,142	93	72	5.164	1.626,371	5.258,664	3,233	2,773
44	23	95.769	55.442,518	1.497.426,565	27,009	26,548	94	73	3.815	1.186,687	3.632,293	3,061	2,600
45	24	95.487	54.596,887	1.441.984,047	26,411	25,951	95	74	2.743	842,878	2.445,606	2,901	2,441
46	25	95.167	53.742,323	1.387.387,159	25,816	25,355	96	75	1.918	582,047	1.602,728	2,754	2,293
47	26	94.821	52.885,658	1.333.644,836	25,218	24,757	97	76	1.301	389,980	1.020,681	2,617	2,157
48	27	94.439	52.022,411	1.280.759,179	24,619	24,159	98	77	856	253,252	630,701	2,490	2,030
49	28	94.026	51.155,488	1.228.736,768	24,020	23,559	99	78	544	159,114	377,449	2,372	1,912
							100	79	334	96,506	218,334	2,262	1,802

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 22 Jahre

Zinsfuß 1,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	28	93.604	50.297,171	1.179.796,615	23,457	22,996
1							51	29	93.113	49.415,384	1.129.499,445	22,857	22,397
2							52	30	92.603	48.538,255	1.080.084,061	22,252	21,792
3							53	31	92.030	47.642,258	1.031.545,806	21,652	21,192
4							54	32	91.419	46.741,616	983.903,547	21,050	20,589
5							55	33	90.766	45.834,796	937.161,931	20,447	19,986
6							56	34	90.050	44.912,125	891.327,135	19,846	19,386
7							57	35	89.303	43.989,642	846.415,010	19,241	18,781
8							58	36	88.485	43.048,575	802.425,368	18,640	18,180
9							59	37	87.592	42.088,109	759.376,793	18,043	17,582
10							60	38	86.619	41.106,346	717.288,684	17,450	16,989
11							61	39	85.583	40.113,705	676.182,338	16,857	16,396
12							62	40	84.488	39.111,284	636.068,633	16,263	15,803
13							63	41	83.277	38.074,958	596.957,349	15,678	15,218
14							64	42	81.993	37.024,837	558.882,391	15,095	14,634
15							65	43	80.608	35.950,159	521.857,554	14,516	14,056
16							66	44	79.093	34.839,223	485.907,395	13,947	13,487
17							67	45	77.472	33.703,723	451.068,172	13,383	12,923
18							68	46	75.692	32.522,940	417.364,449	12,833	12,373
19							69	47	73.770	31.305,752	384.841,509	12,293	11,833
20							70	48	71.731	30.064,454	353.535,758	11,759	11,299
21							71	49	69.537	28.785,338	323.471,304	11,237	10,777
22	0	98.906	75.254,210	2.938.040,385	39,042	38,581	72	50	67.186	27.468,416	294.685,966	10,728	10,268
23	1	98.456	73.987,112	2.862.786,175	38,693	38,233	73	51	64.657	26.108,078	267.217,550	10,235	9,775
24	2	98.348	72.993,377	2.788.799,063	38,206	37,746	74	52	61.976	24.716,834	241.109,471	9,755	9,294
25	3	98.257	72.025,672	2.715.805,686	37,706	37,246	75	53	59.166	23.304,601	216.392,637	9,285	8,825
26	4	98.168	71.072,231	2.643.780,013	37,198	36,738	76	54	56.252	21.883,378	193.088,036	8,824	8,363
27	5	98.085	70.135,536	2.572.707,782	36,682	36,222	77	55	53.260	20.463,592	171.204,658	8,366	7,906
28	6	98.002	69.211,078	2.502.572,246	36,159	35,698	78	56	50.154	19.032,338	150.741,066	7,920	7,460
29	7	97.921	68.300,082	2.433.361,168	35,628	35,167	79	57	46.920	17.585,430	131.708,728	7,490	7,029
30	8	97.844	67.403,555	2.365.061,086	35,088	34,628	80	58	43.600	16.139,359	114.123,298	7,071	6,611
31	9	97.763	66.516,392	2.297.657,531	34,543	34,082	81	59	40.166	14.684,403	97.983,939	6,673	6,212
32	10	97.680	65.639,082	2.231.141,139	33,991	33,531	82	60	36.680	13.244,664	83.299,536	6,289	5,829
33	11	97.591	64.770,165	2.165.502,057	33,434	32,973	83	61	33.054	11.788,062	70.054,872	5,943	5,482
34	12	97.497	63.908,424	2.100.731,892	32,871	32,411	84	62	29.519	10.397,372	58.266,810	5,604	5,144
35	13	97.395	63.053,791	2.036.823,467	32,303	31,843	85	63	26.099	9.079,201	47.869,438	5,272	4,812
36	14	97.284	62.204,151	1.973.769,676	31,731	31,270	86	64	22.909	7.871,178	38.790,237	4,928	4,468
37	15	97.163	61.359,696	1.911.565,525	31,153	30,693	87	65	19.729	6.694,898	30.919,059	4,618	4,158
38	16	97.028	60.518,138	1.850.205,830	30,573	30,112	88	66	16.630	5.573,368	24.224,160	4,346	3,886
39	17	96.874	59.675,998	1.789.687,691	29,990	29,530	89	67	13.752	4.551,948	18.650,792	4,097	3,637
40	18	96.703	58.835,468	1.730.011,694	29,404	28,944	90	68	11.165	3.649,947	14.098,844	3,863	3,402
41	19	96.509	57.992,346	1.671.176,226	28,817	28,357	91	69	8.896	2.872,262	10.448,897	3,638	3,177
42	20	96.299	57.151,737	1.613.183,880	28,226	27,766	92	70	6.914	2.204,915	7.576,635	3,436	2,976
43	21	96.056	56.303,876	1.556.032,143	27,636	27,176	93	71	5.249	1.653,173	5.371,720	3,249	2,789
44	22	95.795	55.457,533	1.499.728,267	27,043	26,582	94	72	3.885	1.208,475	3.718,548	3,077	2,617
45	23	95.512	54.611,136	1.444.270,734	26,446	25,986	95	73	2.800	860,407	2.510,073	2,917	2,457
46	24	95.193	53.756,928	1.389.659,598	25,851	25,390	96	74	1.963	595,604	1.649,666	2,770	2,309
47	25	94.844	52.898,674	1.335.902,670	25,254	24,794	97	75	1.336	400,360	1.054,062	2,633	2,172
48	26	94.466	52.036,979	1.283.003,996	24,656	24,195	98	76	881	260,802	653,702	2,507	2,046
49	27	94.054	51.170,401	1.230.967,017	24,056	23,596	99	77	563	164,465	392,900	2,389	1,929
							100	78	347	100,220	228,435	2,279	1,819

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 23 Jahre

Zinsfuß 1,25%

Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	27	93.631	50.311,833	1.181.828,907	23,490	23,030
1							51	28	93.140	49.430,056	1.131.517,074	22,891	22,431
2							52	29	92.630	48.552,467	1.082.087,018	22,287	21,827
3							53	30	92.060	47.657,862	1.033.534,551	21,687	21,226
4							54	31	91.451	46.758,319	985.876,689	21,085	20,624
5							55	32	90.798	45.851,100	939.118,370	20,482	20,022
6							56	33	90.086	44.930,078	893.267,271	19,881	19,421
7							57	34	89.345	44.010,275	848.337,192	19,276	18,816
8							58	35	88.531	43.070,625	804.326,918	18,675	18,214
9							59	36	87.642	42.111,921	761.256,292	18,077	17,617
10							60	37	86.672	41.131,569	719.144,371	17,484	17,024
11							61	38	85.643	40.141,785	678.012,802	16,890	16,430
12							62	39	84.555	39.142,608	637.871,018	16,296	15,836
13							63	40	83.350	38.108,112	598.728,410	15,711	15,251
14							64	41	82.074	37.061,472	560.620,298	15,127	14,666
15							65	42	80.699	35.990,637	523.558,826	14,547	14,087
16							66	43	79.196	34.884,504	487.568,190	13,977	13,516
17							67	44	77.580	33.750,704	452.683,686	13,413	12,952
18							68	45	75.813	32.574,604	418.932,982	12,861	12,400
19							69	46	73.903	31.362,077	386.358,378	12,319	11,859
20							70	47	71.871	30.123,033	354.996,301	11,785	11,324
21							71	48	69.685	28.846,491	324.873,268	11,262	10,802
22							72	49	67.348	27.534,685	296.026,778	10,751	10,291
23	0	98.831	74.269,108	2.865.394,559	38,581	38,121	73	50	64.820	26.174,211	268.492,093	10,258	9,797
24	1	98.383	73.019,528	2.791.125,452	38,224	37,764	74	51	62.149	24.785,670	242.317,883	9,777	9,316
25	2	98.276	72.039,915	2.718.105,923	37,731	37,270	75	52	59.345	23.375,269	217.532,213	9,306	8,846
26	3	98.185	71.084,433	2.646.066,008	37,224	36,764	76	53	56.430	21.952,695	194.156,943	8,844	8,384
27	4	98.098	70.144,595	2.574.981,575	36,710	36,249	77	54	53.446	20.535,017	172.204,248	8,386	7,925
28	5	98.015	69.220,127	2.504.836,980	36,187	35,726	78	55	50.345	19.104,685	151.669,231	7,939	7,478
29	6	97.930	68.306,376	2.435.616,853	35,657	35,197	79	56	47.109	17.656,315	132.564,546	7,508	7,048
30	7	97.852	67.409,426	2.367.310,477	35,118	34,658	80	57	43.796	16.211,713	114.908,231	7,088	6,628
31	8	97.772	66.522,778	2.299.901,051	34,573	34,113	81	58	40.360	14.755,460	98.696,518	6,689	6,228
32	9	97.686	65.643,324	2.233.378,274	34,023	33,563	82	59	36.868	13.312,341	83.941,057	6,306	5,845
33	10	97.599	64.775,612	2.167.734,950	33,465	33,005	83	60	33.237	11.853,305	70.628,716	5,959	5,498
34	11	97.506	63.914,418	2.102.959,337	32,903	32,442	84	61	29.686	10.456,212	58.775,411	5,621	5,161
35	12	97.403	63.059,147	2.039.044,919	32,335	31,875	85	62	26.264	9.136,698	48.319,199	5,288	4,828
36	13	97.293	62.210,178	1.975.985,773	31,763	31,303	86	63	23.066	7.925,083	39.182,501	4,944	4,484
37	14	97.174	61.366,847	1.913.775,594	31,186	30,725	87	64	19.875	6.744,218	31.257,418	4,635	4,174
38	15	97.045	60.528,953	1.852.408,748	30,604	30,143	88	65	16.766	5.619,263	24.513,200	4,362	3,902
39	16	96.894	59.688,638	1.791.879,795	30,020	29,560	89	66	13.877	4.593,550	18.893,937	4,113	3,653
40	17	96.724	58.848,416	1.732.191,156	29,435	28,974	90	67	11.279	3.687,430	14.300,387	3,878	3,418
41	18	96.537	58.009,029	1.673.342,741	28,846	28,386	91	68	8.998	2.905,493	10.612,957	3,653	3,192
42	19	96.325	57.167,584	1.615.333,712	28,256	27,796	92	69	7.003	2.233,409	7.707,464	3,451	2,991
43	20	96.086	56.321,666	1.558.166,128	27,665	27,205	93	70	5.324	1.677,009	5.474,055	3,264	2,804
44	21	95.818	55.471,105	1.501.844,462	27,074	26,614	94	71	3.949	1.228,390	3.797,046	3,091	2,631
45	22	95.538	54.625,925	1.446.373,357	26,478	26,017	95	72	2.852	876,204	2.568,656	2,932	2,471
46	23	95.218	53.770,957	1.391.747,432	25,883	25,422	96	73	2.004	607,990	1.692,452	2,784	2,323
47	24	94.870	52.913,049	1.337.976,475	25,286	24,826	97	74	1.367	409,686	1.084,462	2,647	2,187
48	25	94.489	52.049,787	1.285.063,425	24,689	24,229	98	75	905	267,744	674,777	2,520	2,060
49	26	94.080	51.184,731	1.233.013,638	24,089	23,629	99	76	579	169,368	407,033	2,403	1,943
							100	77	359	103,590	237,665	2,294	1,834

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 24 Jahre

Zinsfuß 1,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	26	93.658	50.325,922	1.183.693,963	23,521	23,060
1							51	27	93.167	49.444,466	1.133.368,040	22,922	22,462
2							52	28	92.658	48.566,883	1.083.923,575	22,318	21,858
3							53	29	92.087	47.671,816	1.035.356,692	21,718	21,258
4							54	30	91.481	46.773,633	987.684,876	21,116	20,656
5							55	31	90.830	45.867,484	940.911,243	20,514	20,053
6							56	32	90.118	44.946,060	895.043,759	19,914	19,453
7							57	33	89.381	44.027,867	850.097,699	19,308	18,848
8							58	34	88.572	43.090,827	806.069,832	18,706	18,246
9							59	35	87.687	42.133,492	762.979,004	18,109	17,648
10							60	36	86.721	41.154,840	720.845,513	17,515	17,055
11							61	37	85.696	40.166,415	679.690,672	16,922	16,461
12							62	38	84.615	39.170,008	639.524,257	16,327	15,866
13							63	39	83.417	38.138,633	600.354,249	15,741	15,281
14							64	40	82.145	37.093,743	562.215,617	15,157	14,696
15							65	41	80.779	36.026,248	525.121,874	14,576	14,116
16							66	42	79.285	34.923,781	489.095,626	14,005	13,544
17							67	43	77.681	33.794,570	454.171,844	13,439	12,979
18							68	44	75.918	32.620,011	420.377,274	12,887	12,427
19							69	45	74.020	31.411,897	387.757,263	12,344	11,884
20							70	46	72.000	30.177,230	356.345,366	11,808	11,348
21							71	47	69.821	28.902,696	326.168,136	11,285	10,825
22							72	48	67.491	27.593,180	297.265,440	10,773	10,313
23							73	49	64.977	26.237,357	269.672,260	10,278	9,818
24	0	98.758	73.297,836	2.793.544,631	38,112	37,652	74	50	62.306	24.848,453	243.434,903	9,797	9,336
25	1	98.312	72.065,725	2.720.246,795	37,747	37,286	75	51	59.510	23.440,369	218.586,450	9,325	8,865
26	2	98.204	71.098,490	2.648.181,070	37,247	36,786	76	52	56.601	22.019,264	195.146,081	8,863	8,402
27	3	98.115	70.156,637	2.577.082,580	36,733	36,273	77	53	53.615	20.600,063	173.126,818	8,404	7,944
28	4	98.028	69.229,068	2.506.925,943	36,212	35,752	78	54	50.520	19.171,367	152.526,755	7,956	7,496
29	5	97.943	68.315,306	2.437.696,875	35,683	35,223	79	55	47.288	17.723,431	133.355,387	7,524	7,064
30	6	97.861	67.415,638	2.369.381,568	35,146	34,685	80	56	43.972	16.277,061	115.631,956	7,104	6,644
31	7	97.781	66.528,572	2.301.965,931	34,601	34,141	81	57	40.541	14.821,610	99.354,895	6,703	6,243
32	8	97.695	65.649,626	2.235.437,359	34,051	33,591	82	58	37.046	13.376,759	84.533,284	6,319	5,859
33	9	97.606	64.779,798	2.169.787,733	33,495	33,034	83	59	33.407	11.913,873	71.156,526	5,973	5,512
34	10	97.514	63.919,793	2.105.007,935	32,932	32,472	84	60	29.851	10.514,084	59.242,653	5,635	5,174
35	11	97.413	63.065,061	2.041.088,142	32,365	31,904	85	61	26.413	9.188,404	48.728,568	5,303	4,843
36	12	97.301	62.215,462	1.978.023,081	31,793	31,333	86	62	23.212	7.975,271	39.540,164	4,958	4,497
37	13	97.183	61.372,793	1.915.807,619	31,216	30,756	87	63	20.011	6.790,405	31.564,893	4,648	4,188
38	14	97.057	60.536,007	1.854.434,826	30,634	30,173	88	64	16.890	5.660,658	24.774,488	4,377	3,916
39	15	96.912	59.699,305	1.793.898,819	30,049	29,589	89	65	13.992	4.631,376	19.113,830	4,127	3,667
40	16	96.745	58.860,881	1.734.199,514	29,463	29,002	90	66	11.382	3.721,131	14.482,454	3,892	3,432
41	17	96.558	58.021,795	1.675.338,633	28,874	28,414	91	67	9.091	2.935,331	10.761,323	3,666	3,206
42	18	96.353	57.184,030	1.617.316,838	28,283	27,822	92	68	7.084	2.259,249	7.825,993	3,464	3,004
43	19	96.113	56.337,283	1.560.132,808	27,693	27,232	93	69	5.393	1.698,681	5.566,743	3,277	2,817
44	20	95.849	55.488,632	1.503.795,526	27,101	26,641	94	70	4.006	1.246,101	3.868,062	3,104	2,644
45	21	95.561	54.639,294	1.448.306,894	26,507	26,046	95	71	2.899	890,643	2.621,961	2,944	2,484
46	22	95.244	53.785,519	1.393.667,600	25,912	25,451	96	72	2.040	619,153	1.731,318	2,796	2,336
47	23	94.895	52.926,858	1.339.882,081	25,316	24,855	97	73	1.395	418,205	1.112,165	2,659	2,199
48	24	94.515	52.063,932	1.286.955,223	24,719	24,258	98	74	926	273,980	693,959	2,533	2,072
49	25	94.103	51.197,329	1.234.891,291	24,120	23,660	99	75	595	173,876	419,979	2,415	1,955
							100	76	369	106,678	246,103	2,307	1,847

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 25 Jahre

Zinsfuß 1,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	25	93.681	50.338,309	1.185.404,947	23,549	23,088
1							51	26	93.194	49.458,312	1.135.066,638	22,950	22,490
2							52	27	92.685	48.581,041	1.085.608,326	22,346	21,886
3							53	28	92.114	47.685,970	1.037.027,286	21,747	21,287
4							54	29	91.508	46.787,328	989.341,315	21,145	20,685
5							55	30	90.860	45.882,507	942.553,987	20,543	20,082
6							56	31	90.151	44.962,121	896.671,480	19,943	19,482
7							57	32	89.413	44.043,528	851.709,359	19,338	18,878
8							58	33	88.607	43.108,052	807.665,831	18,736	18,275
9							59	34	87.728	42.153,254	764.557,779	18,138	17,677
10							60	35	86.765	41.175,921	722.404,525	17,544	17,084
11							61	36	85.744	40.189,141	681.228,604	16,951	16,490
12							62	37	84.667	39.194,042	641.039,464	16,356	15,895
13							63	38	83.475	38.165,330	601.845,421	15,769	15,309
14							64	39	82.211	37.123,451	563.680,092	15,184	14,724
15							65	40	80.849	36.057,618	526.556,641	14,603	14,143
16							66	41	79.364	34.958,337	490.499,023	14,031	13,571
17							67	42	77.768	33.832,621	455.540,686	13,465	13,004
18							68	43	76.017	32.662,408	421.708,065	12,911	12,451
19							69	44	74.124	31.455,683	389.045,657	12,368	11,908
20							70	45	72.114	30.225,168	357.589,974	11,831	11,370
21							71	46	69.947	28.954,698	327.364,806	11,306	10,846
22							72	47	67.622	27.646,944	298.410,108	10,794	10,333
23							73	48	65.115	26.293,096	270.763,164	10,298	9,837
24							74	49	62.457	24.908,400	244.470,068	9,815	9,354
25	0	98.686	72.340,397	2.722.491,940	37,634	37,174	75	50	59.661	23.499,744	219.561,668	9,343	8,883
26	1	98.240	71.123,962	2.650.151,543	37,261	36,801	76	51	56.759	22.080,587	196.061,924	8,879	8,419
27	2	98.134	70.170,511	2.579.027,581	36,754	36,293	77	52	53.778	20.662,530	173.981,337	8,420	7,960
28	3	98.045	69.240,953	2.508.857,070	36,234	35,773	78	53	50.680	19.232,093	153.318,807	7,972	7,512
29	4	97.956	68.324,131	2.439.616,116	35,707	35,246	79	54	47.454	17.785,293	134.086,713	7,539	7,079
30	5	97.874	67.424,451	2.371.291,986	35,170	34,709	80	55	44.139	16.338,935	116.301,421	7,118	6,658
31	6	97.790	66.534,703	2.303.867,534	34,627	34,166	81	56	40.704	14.881,355	99.962,486	6,717	6,257
32	7	97.704	65.655,344	2.237.332,832	34,077	33,617	82	57	37.212	13.436,728	85.081,131	6,332	5,872
33	8	97.615	64.786,017	2.171.677,488	33,521	33,060	83	58	33.569	11.971,523	71.644,403	5,985	5,524
34	9	97.520	63.923,924	2.106.891,471	32,959	32,499	84	59	30.003	10.567,809	59.672,880	5,647	5,186
35	10	97.421	63.070,365	2.042.967,547	32,392	31,931	85	60	26.559	9.239,259	49.105,071	5,315	4,854
36	11	97.311	62.221,297	1.979.897,183	31,820	31,360	86	61	23.344	8.020,405	39.865,812	4,971	4,510
37	12	97.192	61.378,006	1.917.675,885	31,244	30,783	87	62	20.137	6.833,407	31.845,407	4,660	4,200
38	13	97.066	60.541,873	1.856.297,879	30,661	30,201	88	63	17.006	5.699,425	25.012,000	4,389	3,928
39	14	96.923	59.706,262	1.795.756,007	30,077	29,616	89	64	14.095	4.665,494	19.312,576	4,139	3,679
40	15	96.762	58.871,399	1.736.049,745	29,489	29,028	90	65	11.476	3.751,773	14.647,082	3,904	3,444
41	16	96.578	58.034,085	1.677.178,345	28,900	28,439	91	66	9.174	2.962,158	10.895,309	3,678	3,218
42	17	96.374	57.196,614	1.619.144,260	28,308	27,848	92	67	7.157	2.282,451	7.933,151	3,476	3,015
43	18	96.141	56.353,489	1.561.947,646	27,717	27,257	93	68	5.456	1.718,334	5.650,700	3,288	2,828
44	19	95.875	55.504,018	1.505.594,157	27,126	26,665	94	69	4.058	1.262,205	3.932,366	3,115	2,655
45	20	95.591	54.656,557	1.450.090,139	26,531	26,071	95	70	2.941	903,485	2.670,161	2,955	2,495
46	21	95.267	53.798,682	1.395.433,581	25,938	25,478	96	71	2.074	629,356	1.766,676	2,807	2,347
47	22	94.921	52.941,192	1.341.634,899	25,342	24,882	97	72	1.421	425,884	1.137,320	2,670	2,210
48	23	94.539	52.077,519	1.288.693,708	24,746	24,285	98	73	945	279,678	711,436	2,544	2,083
49	24	94.129	51.211,242	1.236.616,189	24,147	23,687	99	74	609	177,926	431,758	2,427	1,966
							100	75	379	109,518	253,833	2,318	1,857

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 0 Jahre

Zinsfuß 1,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	0	100.000	100.000,000	4.363.612,464	43,636	43,175	50	50	91.638	43.528,438	891.650,701	20,484	20,024
1	1	99.166	97.700,304	4.263.612,464	43,640	43,179	51	51	90.953	42.564,832	848.122,264	19,925	19,465
2	2	99.090	96.183,111	4.165.912,160	43,312	42,852	52	52	90.231	41.602,672	805.557,431	19,363	18,902
3	3	99.051	94.723,875	4.069.729,049	42,964	42,503	53	53	89.431	40.624,278	763.954,759	18,805	18,345
4	4	99.016	93.290,975	3.975.005,174	42,609	42,148	54	54	88.588	39.646,762	723.330,481	18,244	17,784
5	5	98.990	91.888,095	3.881.714,199	42,244	41,783	55	55	87.680	38.660,684	683.683,718	17,684	17,223
6	6	98.963	90.505,913	3.789.826,104	41,874	41,413	56	56	86.694	37.661,070	645.023,034	17,127	16,666
7	7	98.942	89.149,779	3.699.320,191	41,496	41,035	57	57	85.670	36.666,127	607.361,964	16,565	16,104
8	8	98.922	87.813,801	3.610.170,412	41,112	40,651	58	58	84.550	35.651,857	570.695,836	16,007	15,547
9	9	98.900	86.497,469	3.522.356,611	40,722	40,261	59	59	83.341	34.622,702	535.043,980	15,454	14,993
10	10	98.885	85.205,701	3.435.859,142	40,324	39,863	60	60	82.046	33.580,900	500.421,277	14,902	14,441
11	11	98.867	83.931,556	3.350.653,441	39,921	39,460	61	61	80.675	32.532,096	466.840,378	14,350	13,889
12	12	98.844	82.671,488	3.266.721,885	39,514	39,054	62	62	79.258	31.488,153	434.308,282	13,793	13,332
13	13	98.822	81.432,189	3.184.050,397	39,101	38,640	63	63	77.698	30.412,347	402.820,129	13,245	12,784
14	14	98.800	80.210,583	3.102.618,208	38,681	38,220	64	64	76.054	29.329,054	372.407,782	12,698	12,237
15	15	98.770	79.001,419	3.022.407,625	38,258	37,797	65	65	74.307	28.231,622	343.078,728	12,152	11,691
16	16	98.729	77.801,647	2.943.406,206	37,832	37,371	66	66	72.409	27.104,097	314.847,106	11,616	11,155
17	17	98.670	76.606,283	2.865.604,559	37,407	36,946	67	67	70.380	25.955,367	287.743,008	11,086	10,625
18	18	98.599	75.419,319	2.788.998,276	36,980	36,519	68	68	68.173	24.769,671	261.787,642	10,569	10,108
19	19	98.496	74.227,034	2.713.578,957	36,558	36,097	69	69	65.800	23.554,199	237.017,971	10,063	9,602
20	20	98.389	73.050,927	2.639.351,923	36,130	35,670	70	70	63.288	22.320,064	213.463,771	9,564	9,103
21	21	98.283	71.893,924	2.566.300,996	35,696	35,235	71	71	60.609	21.059,446	191.143,707	9,076	8,616
22	22	98.182	70.758,598	2.494.407,071	35,252	34,792	72	72	57.749	19.769,064	170.084,261	8,604	8,143
23	23	98.081	69.641,483	2.423.648,474	34,802	34,341	73	73	54.711	18.452,435	150.315,197	8,146	7,685
24	24	97.983	68.543,555	2.354.006,990	34,343	33,882	74	74	51.518	17.118,648	131.862,762	7,703	7,242
25	25	97.886	67.463,264	2.285.463,436	33,877	33,416	75	75	48.208	15.782,024	114.744,114	7,271	6,810
26	26	97.790	66.401,309	2.218.000,172	33,403	32,942	76	76	44.787	14.445,385	98.962,089	6,851	6,390
27	27	97.693	65.354,920	2.151.598,863	32,922	32,461	77	77	41.321	13.130,497	84.516,704	6,437	5,976
28	28	97.594	64.324,285	2.086.243,943	32,433	31,972	78	78	37.788	11.830,539	71.386,207	6,034	5,573
29	29	97.494	63.308,301	2.021.919,658	31,938	31,477	79	79	34.179	10.542,406	59.555,668	5,649	5,188
30	30	97.396	62.310,597	1.958.611,357	31,433	30,972	80	80	30.561	9.287,101	49.013,261	5,278	4,817
31	31	97.293	61.324,816	1.896.300,760	30,922	30,461	81	81	26.911	8.057,245	39.726,160	4,930	4,470
32	32	97.182	60.349,262	1.834.975,944	30,406	29,945	82	82	23.325	6.880,239	31.668,915	4,603	4,142
33	33	97.068	59.387,566	1.774.626,682	29,882	29,421	83	83	19.770	5.745,359	24.788,676	4,315	3,854
34	34	96.944	58.435,233	1.715.239,117	29,353	28,892	84	84	16.483	4.719,394	19.043,317	4,035	3,574
35	35	96.806	57.489,707	1.656.803,883	28,819	28,358	85	85	13.487	3.804,504	14.323,923	3,765	3,304
36	36	96.655	56.551,865	1.599.314,176	28,280	27,820	86	86	10.885	3.025,084	10.519,420	3,477	3,017
37	37	96.491	55.621,759	1.542.762,311	27,737	27,276	87	87	8.491	2.324,917	7.494,336	3,223	2,763
38	38	96.316	54.699,993	1.487.140,552	27,187	26,726	88	88	6.365	1.717,120	5.169,419	3,011	2,550
39	39	96.116	53.779,712	1.432.440,559	26,635	26,175	89	89	4.613	1.226,074	3.452,298	2,816	2,355
40	40	95.891	52.860,937	1.378.660,847	26,081	25,620	90	90	3.223	843,912	2.226,224	2,638	2,177
41	41	95.642	51.944,820	1.325.799,910	25,523	25,062	91	91	2.173	560,590	1.382,312	2,466	2,005
42	42	95.366	51.029,450	1.273.855,090	24,963	24,502	92	92	1.390	353,342	821,723	2,326	1,865
43	43	95.049	50.108,017	1.222.825,640	24,404	23,943	93	93	851	213,021	468,381	2,199	1,738
44	44	94.691	49.181,373	1.172.717,623	23,845	23,384	94	94	497	122,528	255,360	2,084	1,623
45	45	94.305	48.257,290	1.123.536,250	23,282	22,821	95	95	276	67,073	132,832	1,980	1,520
46	46	93.866	47.322,659	1.075.278,960	22,722	22,261	96	96	146	34,855	65,759	1,887	1,426
47	47	93.379	46.381,607	1.027.956,302	22,163	21,702	97	97	73	17,152	30,904	1,802	1,341
48	48	92.848	45.436,365	981.574,695	21,603	21,142	98	98	34	7,972	13,752	1,725	1,264
49	49	92.273	44.487,629	936.138,330	21,043	20,582	99	99	15	3,491	5,780	1,655	1,195
							100	100	6	1,437	2,288	1,592	1,132

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -1 Jahr

Zinsfuß 1,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	1	99.620	99.620,306	4.350.213,981	43,668	43,207	50	51	91.406	43.418,458	880.108,896	20,270	19,810
1	2	99.130	97.665,313	4.250.593,675	43,522	43,061	51	52	90.701	42.446,620	836.690,438	19,712	19,251
2	3	99.071	96.164,094	4.152.928,362	43,186	42,725	52	53	89.958	41.476,899	794.243,818	19,149	18,688
3	4	99.034	94.707,616	4.056.764,268	42,835	42,374	53	54	89.148	40.496,006	752.766,920	18,589	18,128
4	5	99.003	93.278,925	3.962.056,652	42,475	42,015	54	55	88.280	39.508,861	712.270,914	18,028	17,567
5	6	98.977	91.876,083	3.868.777,726	42,109	41,648	55	56	87.348	38.514,281	672.762,053	17,468	17,007
6	7	98.954	90.497,573	3.776.901,643	41,735	41,274	56	57	86.346	37.509,872	634.247,771	16,909	16,448
7	8	98.934	89.142,015	3.686.404,070	41,354	40,893	57	58	85.288	36.502,483	596.737,900	16,348	15,887
8	9	98.912	87.805,372	3.597.262,054	40,969	40,508	58	59	84.143	35.480,170	560.235,416	15,790	15,329
9	10	98.894	86.491,880	3.509.456,683	40,576	40,115	59	60	82.917	34.446,688	524.755,246	15,234	14,773
10	11	98.876	85.198,535	3.422.964,803	40,176	39,716	60	61	81.594	33.396,062	490.308,558	14,682	14,221
11	12	98.858	83.923,685	3.337.766,267	39,771	39,311	61	62	80.221	32.349,027	456.912,496	14,124	13,664
12	13	98.835	82.664,467	3.253.842,582	39,362	38,901	62	63	78.759	31.290,001	424.563,469	13,569	13,108
13	14	98.813	81.424,299	3.171.178,115	38,946	38,486	63	64	77.170	30.205,487	393.273,468	13,020	12,559
14	15	98.788	80.201,236	3.089.753,816	38,525	38,064	64	65	75.498	29.114,576	363.067,981	12,470	12,010
15	16	98.752	78.987,304	3.009.552,579	38,102	37,641	65	66	73.700	28.001,044	333.953,405	11,926	11,466
16	17	98.708	77.785,170	2.930.565,276	37,675	37,214	66	67	71.753	26.858,627	305.952,361	11,391	10,930
17	18	98.649	76.589,428	2.852.780,105	37,248	36,787	67	68	69.665	25.691,531	279.093,734	10,863	10,402
18	19	98.570	75.397,629	2.776.190,677	36,821	36,360	68	69	67.393	24.486,366	253.402,204	10,349	9,888
19	20	98.468	74.206,458	2.700.793,048	36,396	35,935	69	70	64.960	23.253,691	228.912,837	9,844	9,383
20	21	98.358	73.027,854	2.626.586,590	35,967	35,506	70	71	62.388	22.002,817	205.662,147	9,347	8,886
21	22	98.259	71.876,334	2.553.558,737	35,527	35,066	71	72	59.626	20.718,025	183.659,330	8,865	8,404
22	23	98.155	70.739,440	2.481.682,403	35,082	34,621	72	73	56.707	19.412,645	162.941,305	8,394	7,933
23	24	98.056	69.623,313	2.410.942,962	34,628	34,168	73	74	53.596	18.076,515	143.528,659	7,940	7,479
24	25	97.957	68.524,933	2.341.319,649	34,167	33,707	74	75	50.345	16.728,998	125.452,144	7,499	7,038
25	26	97.861	67.446,663	2.272.794,716	33,698	33,237	75	76	46.958	15.372,835	108.723,146	7,072	6,612
26	27	97.762	66.382,719	2.205.348,053	33,222	32,761	76	77	43.490	14.027,215	93.350,310	6,655	6,194
27	28	97.664	65.335,874	2.138.965,334	32,738	32,277	77	78	39.976	12.703,329	79.323,095	6,244	5,783
28	29	97.565	64.305,192	2.073.629,460	32,247	31,786	78	79	36.388	11.392,075	66.619,766	5,848	5,387
29	30	97.465	63.289,770	2.009.324,268	31,748	31,287	79	80	32.741	10.098,928	55.227,691	5,469	5,008
30	31	97.365	62.290,195	1.946.034,497	31,241	30,781	80	81	29.072	8.834,686	45.128,764	5,108	4,647
31	32	97.259	61.302,910	1.883.744,302	30,728	30,268	81	82	25.411	7.608,103	36.294,078	4,770	4,310
32	33	97.147	60.327,803	1.822.441,392	30,209	29,748	82	83	21.818	6.435,609	28.685,975	4,457	3,997
33	34	97.029	59.363,836	1.762.113,589	29,683	29,222	83	84	18.353	5.333,659	22.250,365	4,172	3,711
34	35	96.898	58.407,837	1.702.749,753	29,153	28,692	84	85	15.158	4.340,136	16.916,706	3,898	3,437
35	36	96.756	57.460,275	1.644.341,916	28,617	28,156	85	86	12.316	3.474,179	12.576,571	3,620	3,159
36	37	96.600	56.519,887	1.586.881,641	28,077	27,616	86	87	9.787	2.720,112	9.102,392	3,346	2,886
37	38	96.432	55.587,651	1.530.361,753	27,531	27,070	87	88	7.490	2.050,862	6.382,280	3,112	2,651
38	39	96.248	54.661,730	1.474.774,102	26,980	26,519	88	89	5.528	1.491,272	4.331,418	2,905	2,444
39	40	96.039	53.736,674	1.420.112,373	26,427	25,966	89	90	3.929	1.044,339	2.840,146	2,720	2,259
40	41	95.807	52.814,949	1.366.375,698	25,871	25,410	90	91	2.696	705,965	1.795,806	2,544	2,083
41	42	95.548	51.893,473	1.313.560,749	25,313	24,852	91	92	1.766	455,535	1.089,842	2,392	1,932
42	43	95.259	50.972,059	1.261.667,276	24,752	24,291	92	93	1.105	280,769	634,307	2,259	1,798
43	44	94.926	50.042,976	1.210.695,218	24,193	23,732	93	94	660	165,306	353,538	2,139	1,678
44	45	94.559	49.112,912	1.160.652,242	23,632	23,172	94	95	376	92,737	188,232	2,030	1,569
45	46	94.155	48.180,754	1.111.539,330	23,070	22,609	95	96	203	49,448	95,495	1,931	1,470
46	47	93.697	47.237,668	1.063.358,577	22,511	22,050	96	97	104	24,997	46,047	1,842	1,381
47	48	93.198	46.291,411	1.016.120,909	21,951	21,490	97	98	51	11,950	21,050	1,761	1,301
48	49	92.651	45.340,043	969.829,498	21,390	20,929	98	99	23	5,389	9,100	1,688	1,228
49	50	92.051	44.380,559	924.489,455	20,831	20,370	99	100	10	2,287	3,710	1,622	1,162
							100	101	4	0,911	1,423	1,562	1,102

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -2 Jahre

Zinsfuß 1,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	2	99.585	99.584,628	4.336.255,895	43,543	43,083	50	52	91.153	43.297,874	867.764,943	20,042	19,581
1	3	99.111	97.646,004	4.236.671,267	43,388	42,927	51	53	90.427	42.318,295	824.467,069	19,483	19,022
2	4	99.054	96.147,588	4.139.025,264	43,049	42,588	52	54	89.674	41.345,934	782.148,774	18,917	18,456
3	5	99.021	94.695,384	4.042.877,676	42,694	42,233	53	55	88.838	40.355,151	740.802,840	18,357	17,896
4	6	98.990	93.266,732	3.948.182,292	42,332	41,871	54	56	87.945	39.359,247	700.447,690	17,796	17,335
5	7	98.968	91.867,617	3.854.915,560	41,962	41,501	55	57	86.998	38.359,657	661.088,443	17,234	16,773
6	8	98.945	90.489,692	3.763.047,943	41,585	41,125	56	58	85.961	37.342,462	622.728,785	16,676	16,215
7	9	98.924	89.133,458	3.672.558,251	41,203	40,742	57	59	84.877	36.326,701	585.386,323	16,114	15,654
8	10	98.906	87.799,698	3.583.424,793	40,814	40,353	58	60	83.715	35.299,797	549.059,623	15,554	15,093
9	11	98.886	86.484,607	3.495.625,095	40,419	39,958	59	61	82.461	34.257,085	513.759,826	14,997	14,536
10	12	98.867	85.190,546	3.409.140,488	40,018	39,557	60	62	81.135	33.208,131	479.502,741	14,439	13,979
11	13	98.849	83.916,558	3.323.949,942	39,610	39,149	61	63	79.716	32.145,457	446.294,610	13,884	13,423
12	14	98.826	82.656,458	3.240.033,385	39,199	38,738	62	64	78.223	31.077,172	414.149,153	13,326	12,866
13	15	98.801	81.414,811	3.157.376,927	38,781	38,321	63	65	76.605	29.984,600	383.071,981	12,776	12,315
14	16	98.771	80.186,907	3.075.962,115	38,360	37,899	64	66	74.882	28.876,786	353.087,381	12,227	11,767
15	17	98.732	78.970,576	2.995.775,209	37,935	37,475	65	67	73.032	27.747,450	324.210,595	11,684	11,224
16	18	98.687	77.768,056	2.916.804,632	37,506	37,046	66	68	71.024	26.585,609	296.463,145	11,151	10,690
17	19	98.620	76.567,402	2.839.036,576	37,079	36,618	67	69	68.868	25.397,682	269.877,536	10,626	10,165
18	20	98.543	75.376,728	2.762.469,174	36,649	36,188	68	70	66.533	24.173,965	244.479,854	10,113	9,633
19	21	98.437	74.183,019	2.687.092,446	36,222	35,762	69	71	64.037	22.923,174	220.305,889	9,611	9,150
20	22	98.334	73.009,986	2.612.909,427	35,788	35,328	70	72	61.377	21.646,101	197.382,715	9,119	8,658
21	23	98.233	71.856,874	2.539.899,441	35,347	34,886	71	73	58.551	20.344,497	175.736,614	8,638	8,177
22	24	98.130	70.720,984	2.468.042,567	34,898	34,438	72	74	55.552	19.017,164	155.392,117	8,171	7,710
23	25	98.029	69.604,398	2.397.321,583	34,442	33,981	73	75	52.376	17.665,063	136.374,953	7,720	7,259
24	26	97.932	68.508,071	2.327.717,185	33,977	33,516	74	76	49.040	16.295,257	118.709,890	7,285	6,824
25	27	97.834	67.427,781	2.259.209,113	33,506	33,045	75	77	45.598	14.927,817	102.414,633	6,861	6,400
26	28	97.734	66.363,373	2.191.781,333	33,027	32,566	76	78	42.075	13.570,875	87.486,816	6,447	5,986
27	29	97.635	65.316,481	2.125.417,960	32,540	32,080	77	79	38.495	12.232,517	73.915,941	6,043	5,582
28	30	97.537	64.286,370	2.060.101,479	32,046	31,585	78	80	34.857	10.912,854	61.683,424	5,652	5,192
29	31	97.433	63.269,048	1.995.815,109	31,545	31,084	79	81	31.146	9.606,965	50.770,570	5,285	4,824
30	32	97.330	62.267,944	1.932.546,061	31,036	30,575	80	82	27.451	8.342,206	41.163,605	4,934	4,474
31	33	97.224	61.281,112	1.870.278,117	30,520	30,059	81	83	23.769	7.116,436	32.821,399	4,612	4,151
32	34	97.109	60.303,698	1.808.997,004	29,998	29,537	82	84	20.254	5.974,447	25.704,963	4,302	3,842
33	35	96.983	59.336,005	1.748.693,307	29,471	29,010	83	85	16.878	4.905,038	19.730,516	4,023	3,562
34	36	96.849	58.377,935	1.689.357,302	28,938	28,477	84	86	13.842	3.963,305	14.825,478	3,741	3,280
35	37	96.702	57.427,783	1.630.979,367	28,401	27,940	85	87	11.074	3.123,932	10.862,173	3,477	3,016
36	38	96.541	56.485,228	1.573.551,583	27,858	27,397	86	88	8.634	2.399,471	7.738,241	3,225	2,764
37	39	96.365	55.548,766	1.517.066,355	27,311	26,850	87	89	6.505	1.781,118	5.338,770	2,997	2,537
38	40	96.171	54.617,986	1.461.517,588	26,759	26,298	88	90	4.709	1.270,229	3.557,652	2,801	2,340
39	41	95.955	53.689,924	1.406.899,602	26,204	25,743	89	91	3.287	873,630	2.287,424	2,618	2,158
40	42	95.713	52.762,742	1.353.209,678	25,647	25,186	90	92	2.191	573,667	1.413,794	2,464	2,004
41	43	95.440	51.835,110	1.300.446,936	25,088	24,627	91	93	1.403	361,973	840,127	2,321	1,860
42	44	95.135	50.905,896	1.248.611,826	24,528	24,067	92	94	857	217,879	478,154	2,195	1,734
43	45	94.793	49.973,316	1.197.705,930	23,967	23,506	93	95	500	125,113	260,275	2,080	1,620
44	46	94.409	49.035,018	1.147.732,614	23,406	22,946	94	96	277	68,368	135,161	1,977	1,516
45	47	93.986	48.094,222	1.098.697,596	22,845	22,384	95	97	146	35,462	66,794	1,884	1,423
46	48	93.515	47.145,807	1.050.603,374	22,284	21,823	96	98	73	17,417	31,332	1,799	1,338
47	49	93.000	46.193,276	1.003.457,567	21,723	21,262	97	99	34	8,079	13,915	1,722	1,262
48	50	92.428	45.230,922	957.264,291	21,164	20,703	98	100	15	3,530	5,836	1,653	1,192
49	51	91.818	44.268,426	912.033,369	20,602	20,142	99	101	6	1,450	2,306	1,590	1,130
							100	102	2	0,558	0,856	1,533	1,073

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -3 Jahre

Zinsfuß 1,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	3	99.565	99.564,939	4.321.362,195	43,402	42,942	50	53	90.877	43.166,976	854.599,362	19,798	19,337
1	4	99.094	97.629,243	4.221.797,256	43,243	42,782	51	54	90.141	42.184,673	811.432,386	19,235	18,774
2	5	99.041	96.135,170	4.124.168,013	42,900	42,439	52	55	89.362	41.202,123	769.247,714	18,670	18,209
3	6	99.008	94.683,005	4.028.032,843	42,542	42,082	53	56	88.502	40.202,331	728.045,591	18,110	17,649
4	7	98.981	93.258,138	3.933.349,838	42,177	41,716	54	57	87.592	39.201,231	687.843,260	17,546	17,086
5	8	98.959	91.859,616	3.840.091,700	41,804	41,343	55	58	86.609	38.188,455	648.642,029	16,985	16,524
6	9	98.936	90.481,006	3.748.232,084	41,426	40,965	56	59	85.547	37.162,634	610.453,574	16,427	15,966
7	10	98.918	89.127,699	3.657.751,078	41,039	40,579	57	60	84.446	36.142,024	573.290,940	15,862	15,401
8	11	98.897	87.792,315	3.568.623,379	40,648	40,188	58	61	83.254	35.105,498	537.148,916	15,301	14,840
9	12	98.876	86.476,496	3.480.831,065	40,252	39,791	59	62	81.997	34.064,308	502.043,418	14,738	14,277
10	13	98.859	85.183,310	3.394.354,568	39,848	39,387	60	63	80.624	32.999,155	467.979,110	14,182	13,721
11	14	98.840	83.908,427	3.309.171,258	39,438	38,977	61	64	79.174	31.926,809	434.979,955	13,624	13,163
12	15	98.814	82.646,826	3.225.262,831	39,025	38,564	62	65	77.651	30.849,910	403.053,145	13,065	12,604
13	16	98.783	81.400,265	3.142.616,005	38,607	38,146	63	66	75.980	29.739,704	372.203,235	12,515	12,055
14	17	98.750	80.169,925	3.061.215,740	38,184	37,723	64	67	74.204	28.615,261	342.463,531	11,968	11,507
15	18	98.710	78.953,201	2.981.045,814	37,757	37,296	65	68	72.290	27.465,398	313.848,269	11,427	10,966
16	19	98.658	77.745,691	2.902.092,613	37,328	36,867	66	69	70.212	26.281,534	286.382,872	10,897	10,436
17	20	98.593	76.546,177	2.824.346,923	36,897	36,436	67	70	67.990	25.073,654	260.101,338	10,373	9,913
18	21	98.512	75.352,920	2.747.800,746	36,466	36,005	68	71	65.588	23.830,367	235.027,684	9,863	9,402
19	22	98.413	74.164,869	2.672.447,826	36,034	35,573	69	72	62.999	22.551,537	211.197,317	9,365	8,904
20	23	98.307	72.990,219	2.598.282,957	35,598	35,137	70	73	60.270	21.255,842	188.645,780	8,875	8,414
21	24	98.207	71.838,126	2.525.292,738	35,153	34,692	71	74	57.358	19.930,032	167.389,938	8,399	7,938
22	25	98.103	70.701,771	2.453.454,612	34,701	34,241	72	75	54.288	18.584,301	147.459,906	7,935	7,474
23	26	98.005	69.587,271	2.382.752,841	34,241	33,780	73	76	51.018	17.207,051	128.875,606	7,490	7,029
24	27	97.905	68.488,892	2.313.165,570	33,774	33,314	74	77	47.620	15.823,536	111.668,554	7,057	6,596
25	28	97.806	67.408,130	2.244.676,678	33,300	32,839	75	78	44.115	14.442,178	95.845,018	6,636	6,176
26	29	97.705	66.343,675	2.177.268,548	32,818	32,357	76	79	40.516	13.067,910	81.402,840	6,229	5,768
27	30	97.607	65.297,362	2.110.924,873	32,328	31,867	77	80	36.875	11.717,942	68.334,931	5,832	5,371
28	31	97.505	64.265,321	2.045.627,511	31,831	31,370	78	81	33.159	10.381,241	56.616,989	5,454	4,993
29	32	97.398	63.246,448	1.981.362,190	31,328	30,867	79	82	29.410	9.071,435	46.235,748	5,097	4,636
30	33	97.295	62.245,803	1.918.115,742	30,815	30,354	80	83	25.677	7.803,098	37.164,312	4,763	4,302
31	34	97.185	61.256,626	1.855.869,939	30,297	29,836	81	84	22.066	6.606,487	29.361,214	4,444	3,984
32	35	97.063	60.275,426	1.794.613,313	29,774	29,313	82	85	18.626	5.494,331	22.754,727	4,141	3,681
33	36	96.934	59.305,628	1.734.337,887	29,244	28,783	83	86	15.413	4.479,160	17.260,396	3,853	3,393
34	37	96.794	58.344,925	1.675.032,259	28,709	28,248	84	87	12.447	3.563,747	12.781,236	3,586	3,126
35	38	96.642	57.392,568	1.616.687,334	28,169	27,708	85	88	9.769	2.755,690	9.217,489	3,345	2,884
36	39	96.474	56.445,716	1.559.294,766	27,625	27,164	86	89	7.498	2.083,876	6.461,799	3,101	2,640
37	40	96.288	55.504,313	1.502.849,050	27,076	26,615	87	90	5.541	1.517,112	4.377,923	2,886	2,425
38	41	96.088	54.570,469	1.447.344,737	26,522	26,062	88	91	3.939	1.062,595	2.860,811	2,692	2,231
39	42	95.860	53.636,853	1.392.774,268	25,967	25,506	89	92	2.671	709,912	1.798,216	2,533	2,072
40	43	95.605	52.703,402	1.339.137,415	25,409	24,948	90	93	1.741	455,841	1.088,305	2,387	1,927
41	44	95.316	51.767,827	1.286.434,014	24,850	24,389	91	94	1.089	280,894	632,463	2,252	1,791
42	45	95.003	50.835,034	1.234.666,187	24,288	23,827	92	95	649	164,904	351,569	2,132	1,671
43	46	94.643	49.894,058	1.183.831,153	23,727	23,266	93	96	368	92,237	186,665	2,024	1,563
44	47	94.239	48.946,952	1.133.937,095	23,167	22,706	94	97	199	49,031	94,429	1,926	1,465
45	48	93.804	48.000,696	1.084.990,143	22,604	22,143	95	98	102	24,708	45,398	1,837	1,377
46	49	93.317	47.045,861	1.036.989,447	22,042	21,581	96	99	49	11,774	20,690	1,757	1,296
47	50	92.776	46.082,102	989.943,586	21,482	21,021	97	100	22	5,292	8,916	1,685	1,224
48	51	92.195	45.116,640	943.861,484	20,920	20,460	98	101	10	2,238	3,623	1,619	1,158
49	52	91.563	44.145,482	898.744,844	20,359	19,898	99	102	4	0,888	1,385	1,559	1,099
							100	103	1	0,330	0,497	1,505	1,045

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -4 Jahre

Zinsfuß 1,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	4	99.548	99.547,849	4.305.488,112	43,250	42,790	50	54	90.590	43.030,674	840.596,107	19,535	19,074
1	5	99.081	97.616,634	4.205.940,263	43,086	42,626	51	55	89.828	42.037,944	797.565,433	18,973	18,512
2	6	99.028	96.122,603	4.108.323,629	42,740	42,280	52	56	89.024	41.046,096	755.527,488	18,407	17,946
3	7	98.999	94.674,281	4.012.201,026	42,379	41,918	53	57	88.146	40.040,930	714.481,392	17,844	17,383
4	8	98.972	93.250,016	3.917.526,746	42,011	41,550	54	58	87.201	39.026,272	674.440,462	17,282	16,821
5	9	98.949	91.850,799	3.824.276,730	41,636	41,175	55	59	86.192	38.004,553	635.414,190	16,719	16,259
6	10	98.929	90.475,159	3.732.425,931	41,254	40,793	56	60	85.112	36.973,708	597.409,636	16,158	15,697
7	11	98.910	89.120,204	3.641.950,772	40,866	40,405	57	61	83.981	35.943,089	560.435,929	15,592	15,132
8	12	98.888	87.784,082	3.552.830,568	40,472	40,012	58	62	82.786	34.907,947	524.492,840	15,025	14,564
9	13	98.868	86.469,152	3.465.046,486	40,073	39,612	59	63	81.481	33.849,945	489.584,893	14,463	14,003
10	14	98.849	85.175,057	3.378.577,334	39,666	39,205	60	64	80.076	32.774,700	455.734,948	13,905	13,444
11	15	98.828	83.898,650	3.293.402,277	39,255	38,794	61	65	78.595	31.693,334	422.960,247	13,345	12,885
12	16	98.796	82.632,060	3.209.503,628	38,841	38,380	62	66	77.017	30.597,948	391.266,913	12,787	12,327
13	17	98.763	81.383,026	3.126.871,568	38,422	37,961	63	67	75.292	29.470,364	360.668,965	12,238	11,778
14	18	98.728	80.152,286	3.045.488,542	37,996	37,535	64	68	73.449	28.324,387	331.198,601	11,693	11,232
15	19	98.681	78.930,495	2.965.336,255	37,569	37,108	65	69	71.463	27.151,260	302.874,214	11,155	10,694
16	20	98.631	77.724,139	2.886.405,760	37,137	36,676	66	70	69.316	25.946,230	275.722,954	10,627	10,166
17	21	98.562	76.521,999	2.808.681,621	36,704	36,243	67	71	67.023	24.717,269	249.776,724	10,105	9,645
18	22	98.488	75.334,483	2.732.159,622	36,267	35,806	68	72	64.524	23.444,023	225.059,456	9,600	9,139
19	23	98.386	74.144,789	2.656.825,139	35,833	35,372	69	73	61.863	22.144,953	201.615,433	9,104	8,644
20	24	98.282	72.971,176	2.582.680,350	35,393	34,932	70	74	59.042	20.822,810	179.470,480	8,619	8,158
21	25	98.180	71.818,610	2.509.709,174	34,945	34,484	71	75	56.053	19.476,390	158.647,670	8,146	7,685
22	26	98.079	70.684,373	2.437.890,565	34,490	34,029	72	76	52.880	18.102,456	139.171,280	7,688	7,227
23	27	97.978	69.567,789	2.367.206,191	34,027	33,567	73	77	49.542	16.708,936	121.068,824	7,246	6,785
24	28	97.877	68.468,932	2.297.638,402	33,557	33,097	74	78	46.071	15.308,757	104.359,888	6,817	6,356
25	29	97.776	67.388,122	2.229.169,470	33,080	32,619	75	79	42.480	13.906,920	89.051,132	6,403	5,943
26	30	97.676	66.324,256	2.161.781,348	32,594	32,133	76	80	38.812	12.518,193	75.144,211	6,003	5,542
27	31	97.575	65.275,983	2.095.457,092	32,102	31,641	77	81	35.079	11.147,110	62.626,019	5,618	5,157
28	32	97.470	64.242,365	2.030.181,109	31,602	31,141	78	82	31.311	9.802,550	51.478,909	5,252	4,791
29	33	97.364	63.223,959	1.965.938,745	31,095	30,634	79	83	27.509	8.485,202	41.676,358	4,912	4,451
30	34	97.256	62.220,932	1.902.714,786	30,580	30,119	80	84	23.837	7.243,945	33.191,157	4,582	4,121
31	35	97.140	61.227,908	1.840.493,854	30,060	29,599	81	85	20.293	6.075,580	25.947,212	4,271	3,810
32	36	97.013	60.244,568	1.779.265,947	29,534	29,073	82	86	17.009	5.017,288	19.871,632	3,961	3,500
33	37	96.879	59.272,093	1.719.021,379	29,002	28,541	83	87	13.859	4.027,596	14.854,344	3,688	3,227
34	38	96.735	58.309,147	1.659.749,286	28,465	28,004	84	88	10.980	3.143,661	10.826,749	3,444	2,983
35	39	96.575	57.352,421	1.601.440,140	27,923	27,462	85	89	8.484	2.393,242	7.683,088	3,210	2,750
36	40	96.396	56.400,545	1.544.087,719	27,377	26,916	86	90	6.387	1.774,994	5.289,846	2,980	2,519
37	41	96.204	55.456,025	1.487.687,174	26,826	26,366	87	91	4.635	1.269,122	3.514,852	2,770	2,309
38	42	95.993	54.516,527	1.432.231,149	26,272	25,811	88	92	3.201	863,465	2.245,730	2,601	2,140
39	43	95.753	53.576,529	1.377.714,622	25,715	25,254	89	93	2.122	564,103	1.382,265	2,450	1,990
40	44	95.481	52.634,992	1.324.138,093	25,157	24,696	90	94	1.351	353,737	818,163	2,313	1,852
41	45	95.184	51.695,765	1.271.503,101	24,596	24,135	91	95	824	212,597	464,426	2,185	1,724
42	46	94.852	50.754,410	1.219.807,336	24,034	23,573	92	96	478	121,571	251,828	2,071	1,611
43	47	94.473	49.804,449	1.169.052,926	23,473	23,012	93	97	264	66,149	130,257	1,969	1,508
44	48	94.056	48.851,768	1.119.248,478	22,911	22,450	94	98	138	34,162	64,108	1,877	1,416
45	49	93.605	47.898,937	1.070.396,710	22,347	21,886	95	99	69	16,703	29,946	1,793	1,332
46	50	93.092	46.932,635	1.022.497,773	21,786	21,326	96	100	32	7,713	13,243	1,717	1,256
47	51	92.542	45.965,669	975.565,138	21,224	20,763	97	101	14	3,355	5,530	1,648	1,187
48	52	91.939	44.991,340	929.599,468	20,662	20,201	98	102	6	1,371	2,175	1,586	1,125
49	53	91.287	44.012,021	884.608,128	20,099	19,638	99	103	2	0,525	0,804	1,530	1,069
							100	104	1	0,188	0,278	1,478	1,018

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -5 Jahre

Zinsfuß 1,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	5	99.535	99.534,992	4.288.605,961	43,086	42,626	50	55	90.275	42.881,003	825.738,062	19,257	18,796
1	6	99.068	97.603,873	4.189.070,969	42,919	42,458	51	56	89.487	41.878,753	782.857,059	18,693	18,233
2	7	99.019	96.113,746	4.091.467,096	42,569	42,108	52	57	88.666	40.881,307	740.978,306	18,125	17,664
3	8	98.990	94.666,036	3.995.353,350	42,205	41,744	53	58	87.753	39.862,224	700.096,999	17,563	17,102
4	9	98.963	93.241,065	3.900.687,315	41,834	41,374	54	59	86.781	38.838,336	660.234,775	17,000	16,539
5	10	98.943	91.844,864	3.807.446,250	41,455	40,994	55	60	85.754	37.811,346	621.396,439	16,434	15,973
6	11	98.921	90.467,551	3.715.601,387	41,071	40,610	56	61	84.644	36.770,195	583.585,092	15,871	15,410
7	12	98.900	89.111,846	3.625.133,836	40,681	40,220	57	62	83.508	35.740,824	546.814,897	15,299	14,839
8	13	98.880	87.776,626	3.536.021,990	40,284	39,824	58	63	82.265	34.688,275	511.074,073	14,733	14,273
9	14	98.858	86.460,774	3.448.245,363	39,882	39,421	59	64	80.926	33.619,703	476.385,798	14,170	13,709
10	15	98.838	85.165,132	3.361.784,589	39,474	39,013	60	65	79.490	32.535,025	442.766,095	13,609	13,148
11	16	98.811	83.883,659	3.276.619,457	39,061	38,601	61	66	77.953	31.434,483	410.231,070	13,050	12,590
12	17	98.775	82.614,561	3.192.735,798	38,646	38,185	62	67	76.320	30.320,835	378.796,586	12,493	12,032
13	18	98.741	81.365,121	3.110.121,237	38,224	37,763	63	68	74.526	29.170,798	348.475,752	11,946	11,485
14	19	98.700	80.129,235	3.028.756,117	37,798	37,338	64	69	72.609	28.000,425	319.304,954	11,404	10,943
15	20	98.654	78.908,615	2.948.626,882	37,368	36,907	65	70	70.552	26.804,860	291.304,529	10,868	10,407
16	21	98.600	77.699,589	2.869.718,267	36,934	36,473	66	71	68.331	25.577,442	264.499,669	10,341	9,880
17	22	98.538	76.503,277	2.792.018,677	36,495	36,035	67	72	65.937	24.316,546	238.922,227	9,826	9,365
18	23	98.461	75.314,087	2.715.515,401	36,056	35,595	68	73	63.361	23.021,348	214.605,681	9,322	8,861
19	24	98.361	74.125,444	2.640.201,314	35,618	35,157	69	74	60.603	21.693,808	191.584,333	8,831	8,370
20	25	98.255	72.951,351	2.566.075,869	35,175	34,714	70	75	57.698	20.348,847	169.890,526	8,349	7,888
21	26	98.156	71.800,937	2.493.124,518	34,723	34,262	71	76	54.600	18.971,415	149.541,679	7,882	7,422
22	27	98.052	70.664,585	2.421.323,581	34,265	33,804	72	77	51.349	17.578,420	130.570,263	7,428	6,967
23	28	97.949	69.547,515	2.350.658,996	33,799	33,339	73	78	47.930	16.165,352	112.991,844	6,990	6,529
24	29	97.847	68.448,609	2.281.111,481	33,326	32,865	74	79	44.363	14.741,382	96.826,491	6,568	6,108
25	30	97.748	67.368,397	2.212.662,872	32,844	32,383	75	80	40.693	13.321,910	82.085,110	6,162	5,701
26	31	97.644	66.302,540	2.145.294,475	32,356	31,895	76	81	36.921	11.908,377	68.763,200	5,774	5,314
27	32	97.540	65.252,666	2.078.991,936	31,861	31,400	77	82	33.124	10.525,727	56.854,823	5,402	4,941
28	33	97.435	64.219,522	2.013.739,270	31,357	30,896	78	83	29.287	9.169,069	46.329,096	5,053	4,592
29	34	97.325	63.198,696	1.949.519,748	30,847	30,387	79	84	25.538	7.877,170	37.160,027	4,717	4,257
30	35	97.211	62.191,761	1.886.321,052	30,331	29,870	80	85	21.922	6.661,810	29.282,857	4,396	3,935
31	36	97.090	61.196,562	1.824.129,291	29,808	29,347	81	86	18.531	5.548,070	22.621,047	4,077	3,616
32	37	96.958	60.210,502	1.762.932,729	29,279	28,819	82	87	15.294	4.511,473	17.072,977	3,784	3,324
33	38	96.820	59.235,746	1.702.722,228	28,745	28,284	83	88	12.225	3.552,832	12.561,504	3,536	3,075
34	39	96.667	58.268,359	1.643.486,482	28,205	27,745	84	89	9.535	2.730,184	9.008,672	3,300	2,839
35	40	96.497	57.306,524	1.585.218,123	27,662	27,201	85	90	7.226	2.038,504	6.278,488	3,080	2,619
36	41	96.313	56.351,477	1.527.911,599	27,114	26,653	86	91	5.343	1.484,850	4.239,984	2,855	2,395
37	42	96.109	55.401,208	1.471.560,122	26,562	26,101	87	92	3.766	1.031,289	2.755,134	2,672	2,211
38	43	95.885	54.455,214	1.416.158,914	26,006	25,545	88	93	2.543	686,118	1.723,845	2,512	2,052
39	44	95.628	53.506,985	1.361.703,700	25,449	24,988	89	94	1.647	437,749	1.037,727	2,371	1,910
40	45	95.348	52.561,723	1.308.196,715	24,889	24,428	90	95	1.022	267,729	599,979	2,241	1,780
41	46	95.033	51.613,776	1.255.634,992	24,328	23,867	91	96	608	156,732	332,249	2,120	1,659
42	47	94.682	50.663,256	1.204.021,216	23,765	23,304	92	97	343	87,187	175,517	2,013	1,552
43	48	94.289	49.707,597	1.153.357,961	23,203	22,742	93	98	184	46,089	88,331	1,917	1,456
44	49	93.857	48.748,205	1.103.650,364	22,640	22,179	94	99	94	23,094	42,242	1,829	1,368
45	50	93.379	47.783,658	1.054.902,159	22,077	21,616	95	100	45	10,942	19,148	1,750	1,289
46	51	92.857	46.814,054	1.007.118,501	21,513	21,052	96	101	20	4,890	8,206	1,678	1,217
47	52	92.285	45.838,012	960.304,447	20,950	20,489	97	102	9	2,056	3,316	1,613	1,152
48	53	91.661	44.855,322	914.466,436	20,387	19,926	98	103	3	0,811	1,261	1,554	1,093
49	54	90.998	43.873,051	869.611,113	19,821	19,360	99	104	1	0,300	0,450	1,501	1,040
							100	105	0	0,103	0,150	1,452	0,991

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -6 Jahre

Zinsfuß 1,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	6	99.522	99.521,980	4.270.690,367	42,912	42,451	50	56	89.933	42.718,619	810.020,379	18,962	18,501
1	7	99.059	97.594,879	4.171.168,387	42,740	42,279	51	57	89.128	41.710,621	767.301,760	18,396	17,935
2	8	99.010	96.105,375	4.073.573,508	42,387	41,926	52	58	88.271	40.698,850	725.591,139	17,828	17,367
3	9	98.981	94.656,948	3.977.468,133	42,020	41,559	53	59	87.330	39.670,262	684.892,289	17,265	16,804
4	10	98.956	93.235,040	3.882.811,184	41,645	41,185	54	60	86.340	38.640,890	645.222,026	16,698	16,237
5	11	98.935	91.837,140	3.789.576,145	41,264	40,803	55	61	85.282	37.603,223	606.581,136	16,131	15,670
6	12	98.912	90.459,067	3.697.739,004	40,877	40,417	56	62	84.167	36.563,276	568.977,913	15,561	15,101
7	13	98.892	89.104,278	3.607.279,938	40,484	40,023	57	63	82.983	35.515,911	532.414,636	14,991	14,530
8	14	98.870	87.768,121	3.518.175,660	40,085	39,624	58	64	81.705	34.452,331	496.898,725	14,423	13,962
9	15	98.847	86.450,699	3.430.407,538	39,681	39,220	59	65	80.335	33.373,848	462.446,394	13,857	13,396
10	16	98.820	85.149,916	3.343.956,839	39,271	38,811	60	66	78.841	32.269,299	429.072,546	13,297	12,836
11	17	98.790	83.865,895	3.258.806,923	38,857	38,397	61	67	77.247	31.149,794	396.803,246	12,739	12,278
12	18	98.754	82.596,384	3.174.941,028	38,439	37,978	62	68	75.544	30.012,624	365.653,452	12,183	11,723
13	19	98.712	81.341,721	3.092.344,644	38,017	37,556	63	69	73.674	28.837,155	335.640,829	11,639	11,178
14	20	98.672	80.107,023	3.011.002,924	37,587	37,126	64	70	71.683	27.643,191	306.803,674	11,099	10,638
15	21	98.623	78.883,691	2.930.895,901	37,155	36,694	65	71	69.549	26.423,868	279.160,483	10,565	10,104
16	22	98.576	77.680,579	2.852.012,210	36,715	36,254	66	72	67.223	25.162,773	252.736,615	10,044	9,583
17	23	98.511	76.482,564	2.774.331,631	36,274	35,813	67	73	64.748	23.878,140	227.573,842	9,531	9,070
18	24	98.435	75.294,437	2.697.849,067	35,831	35,370	68	74	62.070	22.552,349	203.695,702	9,032	8,571
19	25	98.334	74.105,306	2.622.554,630	35,390	34,929	69	75	59.223	21.200,020	181.143,353	8,544	8,084
20	26	98.231	72.933,400	2.548.449,324	34,942	34,481	70	76	56.202	19.821,252	159.943,334	8,069	7,608
21	27	98.129	71.780,836	2.475.515,924	34,487	34,026	71	77	53.019	18.422,224	140.122,082	7,606	7,145
22	28	98.023	70.643,991	2.403.735,088	34,026	33,565	72	78	49.679	17.006,550	121.699,858	7,156	6,695
23	29	97.920	69.526,872	2.333.091,097	33,557	33,096	73	79	46.153	15.566,230	104.693,308	6,726	6,265
24	30	97.819	68.428,573	2.263.564,225	33,079	32,618	74	80	42.497	14.121,269	89.127,078	6,312	5,851
25	31	97.716	67.346,339	2.195.135,652	32,595	32,134	75	81	38.711	12.672,941	75.005,809	5,919	5,458
26	32	97.610	66.278,856	2.127.789,313	32,104	31,643	76	82	34.863	11.244,558	62.332,868	5,543	5,083
27	33	97.505	65.229,463	2.061.510,457	31,604	31,143	77	83	30.983	9.845,511	51.088,310	5,189	4,728
28	34	97.396	64.193,861	1.996.280,993	31,098	30,637	78	84	27.188	8.512,033	41.242,799	4,845	4,384
29	35	97.279	63.169,067	1.932.087,132	30,586	30,125	79	85	23.486	7.244,148	32.730,767	4,518	4,057
30	36	97.161	62.159,922	1.868.918,065	30,066	29,605	80	86	20.018	6.083,401	25.486,618	4,190	3,729
31	37	97.035	61.161,957	1.806.758,143	29,541	29,080	81	87	16.663	4.988,744	19.403,217	3,889	3,429
32	38	96.899	60.173,580	1.745.596,186	29,009	28,549	82	88	13.492	3.979,671	14.414,473	3,622	3,161
33	39	96.752	59.194,310	1.685.422,606	28,473	28,012	83	89	10.617	3.085,539	10.434,802	3,382	2,921
34	40	96.590	58.221,729	1.626.228,297	27,932	27,471	84	90	8.122	2.325,503	7.349,263	3,160	2,699
35	41	96.413	57.256,668	1.568.006,568	27,386	26,925	85	91	6.045	1.705,287	5.023,760	2,946	2,485
36	42	96.217	56.295,775	1.510.749,899	26,836	26,375	86	92	4.341	1.206,589	3.318,473	2,750	2,289
37	43	96.001	55.338,899	1.454.454,125	26,283	25,822	87	93	2.993	819,472	2.111,884	2,577	2,116
38	44	95.760	54.384,530	1.399.115,225	25,726	25,266	88	94	1.974	532,434	1.292,412	2,427	1,967
39	45	95.495	53.432,503	1.344.730,695	25,167	24,706	89	95	1.247	331,314	759,979	2,294	1,833
40	46	95.197	52.478,360	1.291.298,192	24,606	24,146	90	96	754	197,376	428,664	2,172	1,711
41	47	94.862	51.521,078	1.238.819,832	24,045	23,584	91	97	436	112,403	231,288	2,058	1,597
42	48	94.498	50.564,733	1.187.298,754	23,481	23,020	92	98	239	60,747	118,885	1,957	1,496
43	49	94.089	49.602,220	1.136.734,021	22,917	22,456	93	99	124	31,157	58,139	1,866	1,405
44	50	93.631	48.630,882	1.087.131,801	22,355	21,894	94	100	61	15,129	26,981	1,783	1,323
45	51	93.144	47.662,926	1.038.500,919	21,788	21,328	95	101	29	6,937	11,853	1,709	1,248
46	52	92.599	46.684,040	990.837,993	21,224	20,764	96	102	13	2,996	4,916	1,641	1,180
47	53	92.006	45.699,434	944.153,953	20,660	20,199	97	103	5	1,216	1,920	1,580	1,119
48	54	91.371	44.713,690	898.454,519	20,093	19,633	98	104	2	0,462	0,705	1,524	1,063
49	55	90.682	43.720,450	853.740,830	19,527	19,066	99	105	1	0,164	0,242	1,473	1,012
							100	106					

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -7 Jahre

Zinsfuß 1,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	7	99.513	99.512,810	4.251.724,506	42,725	42,265	50	57	89.572	42.547,116	793.441,962	18,649	18,188
1	8	99.050	97.586,380	4.152.211,696	42,549	42,088	51	58	88.730	41.524,463	750.894,846	18,083	17,622
2	9	99.001	96.096,150	4.054.625,316	42,193	41,733	52	59	87.846	40.502,860	709.370,383	17,514	17,053
3	10	98.974	94.650,832	3.958.529,166	41,822	41,362	53	60	86.886	39.468,587	668.867,524	16,947	16,486
4	11	98.948	93.227,199	3.863.878,334	41,446	40,985	54	61	85.865	38.428,201	629.398,936	16,379	15,918
5	12	98.925	91.828,528	3.770.651,135	41,062	40,601	55	62	84.802	37.391,617	590.970,735	15,805	15,344
6	13	98.903	90.451,384	3.678.822,607	40,672	40,211	56	63	83.638	36.333,187	553.579,118	15,236	14,775
7	14	98.882	89.095,645	3.588.371,223	40,275	39,815	57	64	82.418	35.274,338	517.245,931	14,664	14,203
8	15	98.859	87.757,894	3.499.275,578	39,874	39,413	58	65	81.108	34.200,387	481.971,593	14,093	13,632
9	16	98.829	86.435,253	3.411.517,684	39,469	39,008	59	66	79.679	33.101,272	447.771,206	13,527	13,067
10	17	98.799	85.131,883	3.325.082,431	39,058	38,597	60	67	78.127	31.977,050	414.669,934	12,968	12,507
11	18	98.768	83.847,443	3.239.950,548	38,641	38,180	61	68	76.462	30.833,157	382.692,884	12,412	11,951
12	19	98.725	82.572,630	3.156.103,105	38,222	37,761	62	69	74.680	29.669,352	351.859,728	11,859	11,399
13	20	98.685	81.319,172	3.073.530,475	37,796	37,335	63	70	72.734	28.469,245	322.190,376	11,317	10,856
14	21	98.641	80.081,721	2.992.211,303	37,364	36,904	64	71	70.664	27.250,283	293.721,130	10,779	10,318
15	22	98.599	78.864,390	2.912.129,583	36,926	36,465	65	72	68.421	25.995,477	266.470,847	10,251	9,790
16	23	98.549	77.659,547	2.833.265,192	36,483	36,022	66	73	66.011	24.709,111	240.475,370	9,732	9,271
17	24	98.485	76.462,609	2.755.605,645	36,039	35,578	67	74	63.429	23.391,686	215.766,259	9,224	8,763
18	25	98.409	75.273,981	2.679.143,035	35,592	35,131	68	75	60.657	22.039,019	192.374,573	8,729	8,268
19	26	98.310	74.087,071	2.603.869,054	35,146	34,685	69	76	57.688	20.650,355	170.335,554	8,249	7,788
20	27	98.203	72.912,982	2.529.781,983	34,696	34,235	70	77	54.575	19.247,459	149.685,199	7,777	7,316
21	28	98.100	71.759,917	2.456.869,001	34,237	33,777	71	78	51.294	17.822,903	130.437,740	7,319	6,858
22	29	97.994	70.623,022	2.385.109,084	33,772	33,312	72	79	47.838	16.376,251	112.614,837	6,877	6,416
23	30	97.891	69.506,521	2.314.486,062	33,299	32,838	73	80	44.212	14.911,419	96.238,586	6,454	5,993
24	31	97.787	68.406,169	2.244.979,541	32,818	32,358	74	81	40.427	13.433,360	81.327,167	6,054	5,593
25	32	97.681	67.322,283	2.176.573,373	32,331	31,870	75	82	36.553	11.966,502	67.893,807	5,674	5,213
26	33	97.575	66.255,289	2.109.251,090	31,835	31,374	76	83	32.610	10.517,888	55.927,305	5,317	4,857
27	34	97.466	65.203,399	2.042.995,801	31,333	30,872	77	84	28.763	9.140,002	45.409,416	4,968	4,507
28	35	97.351	64.163,766	1.977.792,402	30,824	30,363	78	85	25.004	7.827,993	36.269,414	4,633	4,172
29	36	97.229	63.136,727	1.913.628,636	30,309	29,848	79	86	21.447	6.615,178	28.441,422	4,299	3,839
30	37	97.106	62.124,773	1.850.491,909	29,787	29,326	80	87	18.000	5.470,106	21.826,244	3,990	3,529
31	38	96.976	61.124,452	1.788.367,136	29,258	28,797	81	88	14.698	4.400,683	16.356,137	3,717	3,256
32	39	96.831	60.131,487	1.727.242,684	28,724	28,264	82	89	11.717	3.456,237	11.955,455	3,459	2,998
33	40	96.674	59.146,939	1.667.111,197	28,186	27,725	83	90	9.044	2.628,185	8.499,218	3,234	2,773
34	41	96.506	58.171,077	1.607.964,258	27,642	27,181	84	91	6.794	1.945,372	5.871,033	3,018	2,557
35	42	96.318	57.200,071	1.549.793,181	27,094	26,633	85	92	4.912	1.385,716	3.925,661	2,833	2,372
36	43	96.109	56.232,460	1.492.593,110	26,543	26,082	86	93	3.450	958,768	2.539,945	2,649	2,188
37	44	95.876	55.267,068	1.436.360,650	25,989	25,529	87	94	2.322	635,918	1.581,177	2,486	2,026
38	45	95.627	54.308,826	1.381.093,582	25,430	24,970	88	95	1.494	402,977	945,259	2,346	1,885
39	46	95.344	53.347,759	1.326.784,755	24,870	24,410	89	96	919	244,253	542,282	2,220	1,759
40	47	95.026	52.384,110	1.273.436,997	24,310	23,849	90	97	541	141,551	298,029	2,105	1,645
41	48	94.678	51.420,888	1.221.052,887	23,746	23,285	91	98	304	78,316	156,478	1,998	1,537
42	49	94.297	50.457,540	1.169.631,999	23,181	22,720	92	99	162	41,067	78,162	1,903	1,442
43	50	93.863	49.482,841	1.119.174,459	22,617	22,157	93	100	82	20,410	37,095	1,817	1,357
44	51	93.394	48.508,010	1.069.691,618	22,052	21,591	94	101	39	9,591	16,685	1,740	1,279
45	52	92.885	47.530,555	1.021.183,609	21,485	21,024	95	102	17	4,250	7,094	1,669	1,208
46	53	92.319	46.542,904	973.653,054	20,919	20,459	96	103	7	1,772	2,844	1,605	1,144
47	54	91.715	45.555,136	927.110,150	20,351	19,891	97	104	3	0,693	1,072	1,547	1,086
48	55	91.054	44.558,165	881.555,014	19,784	19,324	98	105	1	0,254	0,379	1,494	1,034
49	56	90.339	43.554,887	836.996,849	19,217	18,756	99	106					
							100	107					

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -8 Jahre

Zinsfuß 1,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	8	99.504	99.504,143	4.231.691,386	42,528	42,067	50	58	89.172	42.357,224	776.002,220	18,320	17,860
1	9	99.041	97.577,012	4.132.187,242	42,348	41,887	51	59	88.303	41.324,497	733.644,996	17,753	17,292
2	10	98.994	96.089,940	4.034.610,230	41,988	41,527	52	60	87.399	40.296,952	692.320,499	17,180	16,720
3	11	98.966	94.642,873	3.938.520,290	41,615	41,154	53	61	86.408	39.251,342	652.023,547	16,611	16,151
4	12	98.939	93.218,457	3.843.877,417	41,235	40,774	54	62	85.382	38.211,952	612.772,205	16,036	15,575
5	13	98.917	91.820,729	3.750.658,961	40,848	40,387	55	63	84.268	37.156,315	574.560,253	15,463	15,003
6	14	98.894	90.442,620	3.658.838,232	40,455	39,994	56	64	83.069	36.086,055	537.403,937	14,892	14,431
7	15	98.871	89.085,263	3.568.395,611	40,056	39,595	57	65	81.816	35.016,383	501.317,882	14,317	13,856
8	16	98.841	87.742,215	3.479.310,348	39,654	39,193	58	66	80.445	33.921,060	466.301,499	13,747	13,286
9	17	98.808	86.416,948	3.391.568,134	39,247	38,786	59	67	78.957	32.801,487	432.380,439	13,182	12,721
10	18	98.777	85.113,152	3.305.151,185	38,832	38,372	60	68	77.333	31.652,003	399.578,952	12,624	12,163
11	19	98.740	83.823,329	3.220.038,033	38,415	37,954	61	69	75.588	30.480,500	367.926,949	12,071	11,610
12	20	98.698	82.549,740	3.136.214,704	37,992	37,531	62	70	73.727	29.290,825	337.446,449	11,521	11,060
13	21	98.654	81.293,487	3.053.664,964	37,563	37,103	63	71	71.700	28.064,597	308.155,623	10,980	10,519
14	22	98.617	80.062,127	2.972.371,477	37,126	36,665	64	72	69.518	26.808,494	280.091,026	10,448	9,987
15	23	98.572	78.843,039	2.892.309,350	36,684	36,224	65	73	67.188	25.526,801	253.282,532	9,922	9,461
16	24	98.523	77.639,285	2.813.466,312	36,238	35,777	66	74	64.666	24.205,728	227.755,731	9,409	8,948
17	25	98.459	76.441,836	2.735.827,026	35,790	35,329	67	75	61.985	22.859,251	203.550,003	8,904	8,444
18	26	98.385	75.255,459	2.659.385,190	35,338	34,877	68	76	59.085	21.467,601	180.690,752	8,417	7,956
19	27	98.282	74.066,330	2.584.129,731	34,889	34,429	69	77	56.018	20.052,562	159.223,150	7,940	7,479
20	28	98.175	72.891,732	2.510.063,401	34,436	33,975	70	78	52.800	18.621,291	139.170,588	7,474	7,013
21	29	98.071	71.738,617	2.437.171,669	33,973	33,512	71	79	49.393	17.162,349	120.549,297	7,024	6,563
22	30	97.965	70.602,350	2.365.433,052	33,504	33,043	72	80	45.825	15.687,365	103.386,949	6,590	6,130
23	31	97.859	69.483,763	2.294.830,702	33,027	32,566	73	81	42.058	14.185,018	87.699,583	6,183	5,722
24	32	97.752	68.381,733	2.225.346,938	32,543	32,082	74	82	38.173	12.684,532	73.514,565	5,796	5,335
25	33	97.646	67.298,344	2.156.965,205	32,051	31,590	75	83	34.191	11.193,178	60.830,033	5,435	4,974
26	34	97.536	66.228,815	2.089.666,861	31,552	31,091	76	84	30.273	9.764,198	49.636,855	5,084	4,623
27	35	97.420	65.172,830	2.023.438,046	31,047	30,586	77	85	26.451	8.405,497	39.872,657	4,744	4,283
28	36	97.301	64.130,917	1.958.265,215	30,535	30,075	78	86	22.833	7.148,330	31.467,160	4,402	3,941
29	37	97.174	63.101,026	1.894.134,298	30,017	29,557	79	87	19.284	5.948,273	24.318,830	4,088	3,628
30	38	97.046	62.086,677	1.831.033,272	29,492	29,031	80	88	15.878	4.825,303	18.370,557	3,807	3,346
31	39	96.908	61.081,694	1.768.946,596	28,960	28,500	81	89	12.765	3.821,874	13.545,254	3,544	3,083
32	40	96.754	60.083,366	1.707.864,901	28,425	27,964	82	90	9.980	2.943,937	9.723,380	3,303	2,842
33	41	96.590	59.095,482	1.647.781,535	27,883	27,423	83	91	7.565	2.198,577	6.779,443	3,084	2,623
34	42	96.410	58.113,576	1.588.686,053	27,338	26,877	84	92	5.521	1.580,809	4.580,866	2,898	2,437
35	43	96.210	57.135,740	1.530.572,477	26,788	26,328	85	93	3.903	1.101,104	3.000,057	2,725	2,264
36	44	95.984	56.159,470	1.473.436,738	26,237	25,776	86	94	2.677	744,013	1.898,953	2,552	2,092
37	45	95.743	55.190,136	1.417.277,268	25,680	25,219	87	95	1.758	481,301	1.154,940	2,400	1,939
38	46	95.475	54.222,692	1.362.087,132	25,120	24,659	88	96	1.101	297,084	673,640	2,268	1,807
39	47	95.172	53.251,947	1.307.864,440	24,560	24,099	89	97	659	175,169	376,556	2,150	1,689
40	48	94.841	52.282,241	1.254.612,493	23,997	23,536	90	98	377	98,625	201,386	2,042	1,581
41	49	94.477	51.311,879	1.202.330,252	23,432	22,971	91	99	205	52,944	102,761	1,941	1,480
42	50	94.070	50.336,102	1.151.018,373	22,867	22,406	92	100	106	26,902	49,817	1,852	1,391
43	51	93.626	49.357,816	1.100.682,270	22,300	21,839	93	101	52	12,939	22,916	1,771	1,310
44	52	93.135	48.373,291	1.051.324,454	21,734	21,273	94	102	24	5,876	9,977	1,698	1,237
45	53	92.604	47.386,860	1.002.951,163	21,165	20,704	95	103	10	2,514	4,100	1,631	1,171
46	54	92.028	46.395,943	955.564,303	20,596	20,135	96	104	4	1,010	1,587	1,571	1,110
47	55	91.396	45.396,684	909.168,360	20,027	19,566	97	105	2	0,380	0,577	1,516	1,055
48	56	90.709	44.389,429	863.771,675	19,459	18,998	98	106					
49	57	89.976	43.380,026	819.382,246	18,888	18,428	99	107					
							100	108					

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -9 Jahre

Zinsfuß 1,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	9	99.495	99.494,592	4.210.581,195	42,320	41,859	50	59	88.743	42.153,247	757.714,066	17,975	17,514
1	10	99.034	97.570,707	4.111.086,604	42,134	41,674	51	60	87.854	41.114,412	715.560,819	17,404	16,943
2	11	98.986	96.081,860	4.013.515,897	41,772	41,311	52	61	86.918	40.075,148	674.446,407	16,830	16,369
3	12	98.957	94.633,997	3.917.434,037	41,396	40,935	53	62	85.922	39.030,461	634.371,260	16,253	15,792
4	13	98.930	93.210,540	3.822.800,040	41,013	40,552	54	63	84.845	37.971,488	595.340,798	15,679	15,218
5	14	98.907	91.811,832	3.729.589,500	40,622	40,161	55	64	83.695	36.903,584	557.369,310	15,103	14,643
6	15	98.882	90.432,082	3.637.777,668	40,227	39,766	56	65	82.461	35.822,164	520.465,726	14,529	14,068
7	16	98.853	89.069,346	3.547.345,586	39,827	39,366	57	66	81.147	34.730,391	484.643,562	13,954	13,494
8	17	98.820	87.723,633	3.458.276,240	39,422	38,962	58	67	79.717	33.613,851	449.913,171	13,385	12,924
9	18	98.787	86.397,935	3.370.552,607	39,012	38,551	59	68	78.154	32.468,060	416.299,320	12,822	12,361
10	19	98.749	85.088,674	3.284.154,672	38,597	38,136	60	69	76.448	31.289,981	383.831,259	12,267	11,806
11	20	98.712	83.800,093	3.199.065,997	38,175	37,714	61	70	74.623	30.091,625	352.541,278	11,716	11,255
12	21	98.667	82.523,666	3.115.265,905	37,750	37,289	62	71	72.679	28.874,499	322.449,654	11,167	10,706
13	22	98.630	81.273,597	3.032.742,239	37,315	36,854	63	72	70.538	27.609,606	293.575,154	10,633	10,172
14	23	98.590	80.040,451	2.951.468,642	36,875	36,414	64	73	68.265	26.325,161	265.965,549	10,103	9,642
15	24	98.546	78.822,468	2.871.428,191	36,429	35,968	65	74	65.819	25.006,760	239.640,388	9,583	9,122
16	25	98.496	77.618,193	2.792.605,723	35,979	35,518	66	75	63.194	23.654,764	214.633,627	9,074	8,613
17	26	98.434	76.423,026	2.714.987,530	35,526	35,065	67	76	60.378	22.266,567	190.978,863	8,577	8,116
18	27	98.357	75.234,390	2.638.564,504	35,071	34,610	68	77	57.374	20.846,150	168.712,296	8,093	7,632
19	28	98.254	74.044,745	2.563.330,114	34,619	34,158	69	78	54.195	19.400,202	147.866,146	7,622	7,161
20	29	98.145	72.870,097	2.489.285,369	34,161	33,700	70	79	50.843	17.931,147	128.465,944	7,164	6,704
21	30	98.042	71.717,618	2.416.415,272	33,693	33,233	71	80	47.315	16.440,395	110.534,798	6,723	6,263
22	31	97.933	70.579,234	2.344.697,654	33,221	32,760	72	81	43.593	14.923,165	94.094,403	6,305	5,844
23	32	97.824	69.458,943	2.274.118,420	32,740	32,280	73	82	39.714	13.394,290	79.171,238	5,911	5,450
24	33	97.717	68.357,418	2.204.659,477	32,252	31,791	74	83	35.707	11.864,805	65.776,947	5,544	5,083
25	34	97.607	67.271,454	2.136.302,059	31,756	31,296	75	84	31.741	10.391,098	53.912,142	5,188	4,728
26	35	97.490	66.197,765	2.069.030,605	31,255	30,794	76	85	27.840	8.979,532	43.521,044	4,847	4,386
27	36	97.370	65.139,465	2.002.832,840	30,747	30,286	77	86	24.155	7.675,693	34.541,512	4,500	4,039
28	37	97.246	64.094,653	1.937.693,375	30,232	29,771	78	87	20.531	6.427,675	26.865,819	4,180	3,719
29	38	97.115	63.062,331	1.873.598,721	29,710	29,249	79	88	17.011	5.247,104	20.438,143	3,895	3,434
30	39	96.979	62.043,246	1.810.536,390	29,182	28,721	80	89	13.790	4.190,645	15.191,039	3,625	3,164
31	40	96.830	61.032,813	1.748.493,144	28,648	28,188	81	90	10.873	3.255,377	11.000,394	3,379	2,918
32	41	96.670	60.031,095	1.687.460,330	28,110	27,649	82	91	8.349	2.462,715	7.745,017	3,145	2,684
33	42	96.495	59.037,067	1.627.429,235	27,566	27,105	83	92	6.148	1.786,564	5.282,302	2,957	2,496
34	43	96.302	58.048,217	1.568.392,169	27,019	26,558	84	93	4.387	1.256,127	3.495,738	2,783	2,322
35	44	96.085	57.061,576	1.510.343,952	26,469	26,008	85	94	3.029	854,467	2.239,611	2,621	2,160
36	45	95.851	56.081,295	1.453.282,375	25,914	25,453	86	95	2.026	563,113	1.385,144	2,460	1,999
37	46	95.591	55.102,604	1.397.201,080	25,356	24,896	87	96	1.296	354,826	822,031	2,317	1,856
38	47	95.304	54.125,309	1.342.098,476	24,796	24,335	88	97	790	213,058	467,205	2,193	1,732
39	48	94.987	53.148,391	1.287.973,167	24,234	23,773	89	98	459	122,048	254,147	2,082	1,622
40	49	94.640	52.171,406	1.234.824,776	23,669	23,208	90	99	255	66,673	132,098	1,981	1,520
41	50	94.250	51.188,386	1.182.653,370	23,104	22,643	91	100	134	34,682	65,425	1,886	1,426
42	51	93.833	50.208,922	1.131.464,984	22,535	22,074	92	101	67	17,054	30,743	1,803	1,342
43	52	93.366	49.220,738	1.081.256,063	21,967	21,507	93	102	32	7,928	13,689	1,727	1,266
44	53	92.853	48.227,049	1.032.035,325	21,400	20,939	94	103	14	3,475	5,761	1,658	1,197
45	54	92.312	47.237,234	983.808,276	20,827	20,366	95	104	6	1,433	2,286	1,595	1,134
46	55	91.707	46.234,567	936.571,042	20,257	19,796	96	105	2	0,554	0,853	1,538	1,077
47	56	91.050	45.224,773	890.336,476	19,687	19,226	97	106					
48	57	90.345	44.211,218	845.111,702	19,115	18,655	98	107					
49	58	89.574	43.186,418	800.900,484	18,545	18,084	99	108					
							100	109					

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -10 Jahre

Zinsfuß 1,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	10	99.488	99.488,163	4.188.389,164	42,099	41,639	50	60	88.292	41.938,949	738.590,034	17,611	17,150
1	11	99.026	97.562,502	4.088.901,001	41,911	41,450	51	61	87.371	40.888,108	696.651,085	17,038	16,577
2	12	98.977	96.072,849	3.991.338,499	41,545	41,084	52	62	86.429	39.849,631	655.762,977	16,456	15,995
3	13	98.948	94.625,960	3.895.265,650	41,165	40,704	53	63	85.381	38.784,847	615.913,346	15,880	15,419
4	14	98.921	93.201,509	3.800.639,690	40,779	40,318	54	64	84.267	37.713,212	577.128,500	15,303	14,842
5	15	98.896	91.801,134	3.707.438,181	40,386	39,925	55	65	83.083	36.633,715	539.415,287	14,725	14,264
6	16	98.865	90.415,924	3.615.637,047	39,989	39,528	56	66	81.788	35.529,591	502.781,573	14,151	13,690
7	17	98.832	89.050,483	3.525.221,123	39,587	39,126	57	67	80.412	34.415,852	467.251,981	13,577	13,116
8	18	98.798	87.704,332	3.436.170,639	39,179	38,718	58	68	78.906	33.272,167	432.836,129	13,009	12,548
9	19	98.758	86.373,088	3.348.466,307	38,767	38,307	59	69	77.260	32.096,705	399.563,962	12,449	11,988
10	20	98.722	85.065,087	3.262.093,220	38,348	37,887	60	70	75.473	30.890,778	367.467,258	11,896	11,435
11	21	98.681	83.773,624	3.177.028,132	37,924	37,463	61	71	73.563	29.663,916	336.576,480	11,346	10,886
12	22	98.643	82.503,475	3.093.254,508	37,492	37,032	62	72	71.501	28.406,378	306.912,563	10,804	10,344
13	23	98.603	81.251,593	3.010.751,033	37,055	36,594	63	73	69.266	27.111,829	278.506,186	10,272	9,812
14	24	98.565	80.019,568	2.929.499,441	36,610	36,149	64	74	66.874	25.788,855	251.394,356	9,748	9,287
15	25	98.520	78.801,054	2.849.479,873	36,160	35,700	65	75	64.321	24.437,564	225.605,501	9,232	8,771
16	26	98.472	77.599,093	2.770.678,819	35,705	35,244	66	76	61.556	23.041,455	201.167,937	8,731	8,270
17	27	98.407	76.401,631	2.693.079,726	35,249	34,788	67	77	58.630	21.621,987	178.126,483	8,238	7,777
18	28	98.328	75.212,465	2.616.678,095	34,790	34,330	68	78	55.508	20.167,972	156.504,496	7,760	7,299
19	29	98.225	74.022,767	2.541.465,630	34,334	33,873	69	79	52.187	18.681,189	136.336,523	7,298	6,837
20	30	98.117	72.848,767	2.467.442,864	33,871	33,410	70	80	48.704	17.176,852	117.655,334	6,850	6,389
21	31	98.010	71.694,137	2.394.594,097	33,400	32,939	71	81	45.010	15.639,511	100.478,482	6,425	5,964
22	32	97.898	70.554,022	2.322.899,960	32,924	32,463	72	82	41.163	14.091,290	84.838,971	6,021	5,560
23	33	97.790	69.434,245	2.252.345,938	32,439	31,978	73	83	37.147	12.528,696	70.747,681	5,647	5,186
24	34	97.678	68.330,104	2.182.911,692	31,947	31,486	74	84	33.148	11.014,598	58.218,985	5,286	4,825
25	35	97.561	67.239,915	2.114.581,588	31,448	30,988	75	85	29.190	9.556,053	47.204,386	4,940	4,479
26	36	97.440	66.163,875	2.047.341,673	30,943	30,483	76	86	25.423	8.199,888	37.648,333	4,591	4,131
27	37	97.315	65.102,631	1.981.177,797	30,432	29,971	77	87	21.720	6.901,873	29.448,446	4,267	3,806
28	38	97.186	64.055,349	1.916.075,166	29,913	29,452	78	88	18.111	5.669,996	22.546,573	3,976	3,516
29	39	97.047	63.018,218	1.852.019,817	29,389	28,928	79	89	14.774	4.556,968	16.876,577	3,703	3,243
30	40	96.901	61.993,595	1.789.001,599	28,858	28,397	80	90	11.746	3.569,488	12.319,609	3,451	2,991
31	41	96.746	60.979,716	1.727.008,003	28,321	27,860	81	91	9.096	2.723,247	8.750,121	3,213	2,752
32	42	96.574	59.971,755	1.666.028,287	27,780	27,319	82	92	6.784	2.001,202	6.026,874	3,012	2,551
33	43	96.386	58.970,670	1.606.056,532	27,235	26,774	83	93	4.885	1.419,622	4.025,672	2,836	2,375
34	44	96.177	57.972,869	1.547.085,863	26,686	26,226	84	94	3.404	974,766	2.606,050	2,674	2,213
35	45	95.951	56.982,146	1.489.112,994	26,133	25,672	85	95	2.293	646,711	1.631,284	2,522	2,062
36	46	95.699	55.992,350	1.432.130,848	25,577	25,116	86	96	1.494	415,140	984,573	2,372	1,911
37	47	95.419	55.003,641	1.376.138,498	25,019	24,558	87	97	929	254,469	569,433	2,238	1,777
38	48	95.118	54.020,054	1.321.134,857	24,456	23,996	88	98	550	148,447	314,964	2,122	1,661
39	49	94.786	53.035,720	1.267.114,803	23,892	23,431	89	99	310	82,508	166,517	2,018	1,557
40	50	94.412	52.045,844	1.214.079,083	23,327	22,866	90	100	167	43,676	84,009	1,923	1,463
41	51	94.011	51.059,051	1.162.033,239	22,759	22,298	91	101	85	21,987	40,333	1,834	1,374
42	52	93.572	50.069,479	1.110.974,187	22,189	21,728	92	102	41	10,449	18,346	1,756	1,295
43	53	93.084	49.071,933	1.060.904,708	21,619	21,159	93	103	19	4,689	7,897	1,684	1,224
44	54	92.560	48.074,770	1.011.832,774	21,047	20,586	94	104	8	1,981	3,208	1,619	1,159
45	55	91.991	47.072,932	963.758,005	20,474	20,013	95	105	3	0,786	1,227	1,560	1,100
46	56	91.360	46.059,483	916.685,073	19,902	19,441	96	106					
47	57	90.685	45.043,209	870.625,590	19,329	18,868	97	107					
48	58	89.941	44.013,900	825.582,382	18,757	18,297	98	108					
49	59	89.143	42.978,448	781.568,482	18,185	17,724	99	109					
							100	110					

Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente nach der Sterbetafel 2002/2004

Altersdifferenz zwischen Mann und Frau (x - y) = -11 Jahre

Zinsfuß 1,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	11	99.480	99.479,797	4.165.109,916	41,869	41,408	50	61	87.806	41.708,107	718.642,591	17,230	16,769
1	12	99.017	97.553,353	4.065.630,119	41,676	41,215	51	62	86.879	40.658,016	676.934,484	16,649	16,189
2	13	98.968	96.064,690	3.968.076,767	41,306	40,846	52	63	85.885	39.598,861	636.276,468	16,068	15,607
3	14	98.939	94.616,792	3.872.012,076	40,923	40,462	53	64	84.800	38.521,039	596.677,607	15,490	15,029
4	15	98.909	93.190,648	3.777.395,285	40,534	40,073	54	65	83.651	37.437,423	558.156,568	14,909	14,448
5	16	98.878	91.784,732	3.684.204,636	40,140	39,679	55	66	82.405	36.334,514	520.719,146	14,331	13,870
6	17	98.844	90.396,776	3.592.419,905	39,741	39,280	56	67	81.047	35.207,815	484.384,632	13,758	13,297
7	18	98.810	89.030,890	3.502.023,128	39,335	38,874	57	68	79.595	34.066,015	449.176,818	13,185	12,725
8	19	98.770	87.679,109	3.412.992,238	38,926	38,465	58	69	78.004	32.891,614	415.110,802	12,621	12,160
9	20	98.731	86.349,144	3.325.313,128	38,510	38,049	59	70	76.275	31.687,209	382.219,188	12,062	11,601
10	21	98.690	85.038,219	3.238.963,984	38,088	37,628	60	71	74.400	30.451,711	350.531,979	11,511	11,050
11	22	98.657	83.753,127	3.153.925,765	37,657	37,197	61	72	72.370	29.182,997	320.080,268	10,968	10,507
12	23	98.616	82.481,138	3.070.172,638	37,223	36,762	62	73	70.212	27.894,236	290.897,271	10,429	9,968
13	24	98.577	81.230,394	2.987.691,500	36,780	36,320	63	74	67.855	26.559,497	263.003,035	9,902	9,442
14	25	98.538	79.997,828	2.906.461,106	36,332	35,871	64	75	65.352	25.201,857	236.443,538	9,382	8,921
15	26	98.495	78.781,663	2.826.463,278	35,877	35,416	65	76	62.653	23.803,958	211.241,681	8,874	8,413
16	27	98.445	77.577,369	2.747.681,615	35,419	34,958	66	77	59.774	22.374,443	187.437,723	8,377	7,917
17	28	98.378	76.379,365	2.670.104,246	34,958	34,498	67	78	56.723	20.918,569	165.063,280	7,891	7,430
18	29	98.299	75.190,140	2.593.724,881	34,496	34,035	68	79	53.450	19.420,505	144.144,711	7,422	6,961
19	30	98.196	74.001,099	2.518.534,741	34,034	33,573	69	80	49.992	17.895,343	124.724,207	6,970	6,509
20	31	98.085	72.824,915	2.444.533,642	33,567	33,106	70	81	46.332	16.340,093	106.828,863	6,538	6,077
21	32	97.975	71.668,527	2.371.708,726	33,093	32,632	71	82	42.501	14.767,704	90.488,770	6,127	5,667
22	33	97.863	70.528,935	2.300.040,199	32,611	32,151	72	83	38.503	13.180,653	75.721,066	5,745	5,284
23	34	97.751	69.406,501	2.229.511,264	32,123	31,662	73	84	34.485	11.630,916	62.540,413	5,377	4,916
24	35	97.632	68.298,070	2.160.104,764	31,628	31,167	74	85	30.484	10.129,448	50.909,498	5,026	4,565
25	36	97.511	67.205,492	2.091.806,694	31,126	30,665	75	86	26.655	8.726,352	40.780,049	4,673	4,212
26	37	97.385	66.126,462	2.024.601,202	30,617	30,156	76	87	22.860	7.373,221	32.053,697	4,347	3,887
27	38	97.256	65.062,709	1.958.474,740	30,101	29,641	77	88	19.159	6.088,296	24.680,476	4,054	3,593
28	39	97.118	64.010,542	1.893.412,031	29,580	29,119	78	89	15.729	4.924,238	18.592,180	3,776	3,315
29	40	96.969	62.967,787	1.829.401,489	29,053	28,592	79	90	12.584	3.881,512	13.667,942	3,521	3,060
30	41	96.817	61.939,662	1.766.433,702	28,519	28,058	80	91	9.826	2.986,012	9.786,430	3,277	2,817
31	42	96.650	60.919,438	1.704.494,040	27,979	27,519	81	92	7.391	2.212,911	6.800,417	3,073	2,612
32	43	96.465	59.904,306	1.643.574,602	27,437	26,976	82	93	5.391	1.590,176	4.587,507	2,885	2,424
33	44	96.261	58.894,124	1.583.670,295	26,890	26,429	83	94	3.791	1.101,639	2.997,331	2,721	2,260
34	45	96.043	57.892,170	1.524.776,171	26,338	25,877	84	95	2.577	737,761	1.895,692	2,570	2,109
35	46	95.799	56.891,772	1.466.884,000	25,784	25,323	85	96	1.690	476,771	1.157,931	2,429	1,968
36	47	95.527	55.891,789	1.409.992,228	25,227	24,766	86	97	1.071	297,724	681,160	2,288	1,827
37	48	95.233	54.896,678	1.354.100,440	24,666	24,206	87	98	648	177,300	383,436	2,163	1,702
38	49	94.917	53.905,535	1.299.203,762	24,101	23,641	88	99	372	100,355	206,137	2,054	1,593
39	50	94.558	52.908,078	1.245.298,226	23,537	23,076	89	100	203	54,049	105,782	1,957	1,496
40	51	94.174	51.914,344	1.192.390,149	22,968	22,508	90	101	106	27,688	51,733	1,868	1,408
41	52	93.750	50.917,248	1.140.475,805	22,399	21,938	91	102	52	13,471	24,045	1,785	1,324
42	53	93.289	49.918,109	1.089.558,557	21,827	21,366	92	103	24	6,180	10,574	1,711	1,250
43	54	92.790	48.916,987	1.039.640,448	21,253	20,792	93	104	11	2,673	4,394	1,644	1,183
44	55	92.238	47.907,554	990.723,461	20,680	20,219	94	105	4	1,087	1,721	1,583	1,122
45	56	91.642	46.894,673	942.815,907	20,105	19,644	95	106					
46	57	90.993	45.874,567	895.921,234	19,530	19,069	96	107					
47	58	90.280	44.842,177	850.046,667	18,956	18,496	97	108					
48	59	89.508	43.801,945	805.204,490	18,383	17,922	98	109					
49	60	88.690	42.759,955	761.402,545	17,806	17,346	99	110					
							100	111					

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -12 Jahre

Zinsfuß 1,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	12	99.470	99.470,467	4.140.746,166	41,628	41,167	50	62	87.312	41.473,401	697.893,776	16,828	16,367
1	13	99.008	97.545,068	4.041.275,698	41,430	40,969	51	63	86.332	40.402,159	656.420,375	16,247	15,786
2	14	98.959	96.055,382	3.943.730,631	41,057	40,596	52	64	85.301	39.329,516	616.018,216	15,663	15,202
3	15	98.927	94.605,766	3.847.675,248	40,671	40,210	53	65	84.180	38.239,341	576.688,700	15,081	14,620
4	16	98.891	93.173,998	3.753.069,482	40,280	39,819	54	66	82.968	37.131,657	538.449,359	14,501	14,040
5	17	98.857	91.765,294	3.659.895,484	39,883	39,422	55	67	81.658	36.005,447	501.317,701	13,923	13,463
6	18	98.822	90.376,887	3.568.130,190	39,481	39,020	56	68	80.223	34.849,927	465.312,254	13,352	12,891
7	19	98.782	89.005,286	3.477.753,302	39,074	38,613	57	69	78.685	33.676,383	430.462,327	12,782	12,322
8	20	98.742	87.654,804	3.388.748,016	38,660	38,199	58	70	77.009	32.471,977	396.785,944	12,219	11,759
9	21	98.700	86.321,870	3.301.093,212	38,242	37,781	59	71	75.191	31.236,822	364.313,967	11,663	11,202
10	22	98.666	85.017,413	3.214.771,342	37,813	37,352	60	72	73.194	29.958,019	333.077,145	11,118	10,657
11	23	98.630	83.730,452	3.129.753,929	37,379	36,918	61	73	71.065	28.656,853	303.119,126	10,578	10,117
12	24	98.590	82.459,618	3.046.023,478	36,940	36,479	62	74	68.781	27.325,965	274.462,273	10,044	9,583
13	25	98.551	81.208,325	2.963.563,860	36,493	36,033	63	75	66.310	25.954,958	247.136,308	9,522	9,061
14	26	98.514	79.978,143	2.882.355,534	36,039	35,578	64	76	63.658	24.548,435	221.181,350	9,010	8,549
15	27	98.468	78.759,608	2.802.377,391	35,581	35,121	65	77	60.839	23.114,873	196.632,915	8,507	8,046
16	28	98.416	77.554,760	2.723.617,783	35,119	34,658	66	78	57.829	21.646,546	173.518,042	8,016	7,555
17	29	98.349	76.356,694	2.646.063,023	34,654	34,193	67	79	54.620	20.143,283	151.871,496	7,540	7,079
18	30	98.270	75.168,131	2.569.706,329	34,186	33,725	68	80	51.202	18.603,559	131.728,214	7,081	6,620
19	31	98.164	73.976,870	2.494.538,198	33,721	33,260	69	81	47.556	17.023,583	113.124,655	6,645	6,184
20	32	98.050	72.798,901	2.420.561,327	33,250	32,789	70	82	43.749	15.429,233	96.101,072	6,229	5,768
21	33	97.940	71.643,043	2.347.762,426	32,770	32,309	71	83	39.755	13.813,354	80.671,839	5,840	5,379
22	34	97.824	70.500,753	2.276.119,383	32,285	31,824	72	84	35.744	12.236,154	66.858,485	5,464	5,003
23	35	97.705	69.373,962	2.205.618,629	31,793	31,332	73	85	31.714	10.696,237	54.622,330	5,107	4,646
24	36	97.582	68.263,104	2.136.244,668	31,294	30,833	74	86	27.837	9.249,963	43.926,093	4,749	4,288
25	37	97.456	67.167,490	2.067.981,563	30,788	30,328	75	87	23.968	7.846,610	34.676,130	4,419	3,958
26	38	97.325	66.085,912	2.000.814,074	30,276	29,815	76	88	20.165	6.504,083	26.829,520	4,125	3,664
27	39	97.188	65.017,197	1.934.728,162	29,757	29,296	77	89	16.639	5.287,520	20.325,437	3,844	3,383
28	40	97.040	63.959,317	1.869.710,965	29,233	28,772	78	90	13.397	4.194,344	15.037,917	3,585	3,124
29	41	96.885	62.913,007	1.805.751,648	28,702	28,242	79	91	10.527	3.247,033	10.843,573	3,340	2,879
30	42	96.721	61.878,436	1.742.838,642	28,166	27,705	80	92	7.985	2.426,434	7.596,540	3,131	2,670
31	43	96.542	60.850,924	1.680.960,206	27,624	27,163	81	93	5.873	1.758,401	5.170,106	2,940	2,479
32	44	96.340	59.826,549	1.620.109,282	27,080	26,619	82	94	4.183	1.233,991	3.411,705	2,765	2,304
33	45	96.127	58.812,143	1.560.282,733	26,530	26,069	83	95	2.869	833,786	2.177,714	2,612	2,151
34	46	95.891	57.800,353	1.501.470,589	25,977	25,516	84	96	1.900	543,895	1.343,928	2,471	2,010
35	47	95.627	56.789,595	1.443.670,237	25,421	24,961	85	97	1.212	341,923	800,034	2,340	1,879
36	48	95.341	55.783,099	1.386.880,641	24,862	24,401	86	98	746	207,438	458,111	2,208	1,748
37	49	95.032	54.780,301	1.331.097,543	24,299	23,838	87	99	438	119,860	250,673	2,091	1,631
38	50	94.688	53.775,800	1.276.317,242	23,734	23,273	88	100	244	65,740	130,814	1,990	1,529
39	51	94.319	52.774,399	1.222.541,442	23,165	22,705	89	101	129	34,264	65,074	1,899	1,438
40	52	93.912	51.770,165	1.169.767,043	22,595	22,135	90	102	65	16,965	30,810	1,816	1,355
41	53	93.467	50.763,315	1.117.996,878	22,024	21,563	91	103	31	7,967	13,845	1,738	1,277
42	54	92.995	49.760,490	1.067.233,564	21,447	20,987	92	104	14	3,523	5,878	1,668	1,208
43	55	92.467	48.746,842	1.017.473,073	20,873	20,412	93	105	6	1,467	2,355	1,605	1,144
44	56	91.889	47.726,135	968.726,232	20,298	19,837	94	106					
45	57	91.274	46.706,404	921.000,097	19,719	19,258	95	107					
46	58	90.587	45.669,825	874.293,693	19,144	18,683	96	108					
47	59	89.845	44.626,233	828.623,868	18,568	18,107	97	109					
48	60	89.053	43.579,265	783.997,634	17,990	17,529	98	110					
49	61	88.202	42.524,593	740.418,369	17,412	16,951	99	111					
							100	112					

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -13 Jahre

Zinsfuß 1,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	13	99.462	99.462,020	4.115.302,278	41,376	40,915	50	63	86.762	41.212,413	676.355,659	16,411	15,951
1	14	98.999	97.535,617	4.015.840,259	41,173	40,712	51	64	85.745	40.127,350	635.143,246	15,828	15,367
2	15	98.947	96.044,190	3.918.304,642	40,797	40,336	52	65	84.677	39.041,906	595.015,895	15,240	14,780
3	16	98.910	94.588,863	3.822.260,452	40,409	39,948	53	66	83.493	37.927,026	555.973,989	14,659	14,198
4	17	98.871	93.154,266	3.727.671,589	40,016	39,555	54	67	82.217	36.795,371	518.046,963	14,079	13,618
5	18	98.836	91.745,104	3.634.517,323	39,615	39,155	55	68	80.828	35.639,452	481.251,592	13,503	13,043
6	19	98.794	90.350,896	3.542.772,219	39,211	38,750	56	69	79.306	34.451,329	445.612,140	12,935	12,474
7	20	98.755	88.980,613	3.452.421,323	38,800	38,339	57	70	77.681	33.246,734	411.160,811	12,367	11,906
8	21	98.711	87.627,118	3.363.440,710	38,384	37,923	58	71	75.914	32.010,435	377.914,077	11,806	11,345
9	22	98.675	86.300,750	3.275.813,593	37,958	37,497	59	72	73.972	30.730,402	345.903,642	11,256	10,795
10	23	98.639	84.994,395	3.189.512,843	37,526	37,065	60	73	71.874	29.417,903	315.173,240	10,714	10,253
11	24	98.604	83.708,606	3.104.518,448	37,087	36,626	61	74	69.617	28.073,046	285.755,337	10,179	9,718
12	25	98.563	82.437,216	3.020.809,842	36,644	36,183	62	75	67.216	26.703,979	257.682,291	9,650	9,189
13	26	98.526	81.188,343	2.938.372,626	36,192	35,731	63	76	64.591	25.282,010	230.978,312	9,136	8,675
14	27	98.486	79.955,753	2.857.184,284	35,735	35,274	64	77	61.815	23.837,798	205.696,303	8,629	8,168
15	28	98.439	78.736,655	2.777.228,531	35,272	34,812	65	78	58.860	22.362,888	181.858,504	8,132	7,671
16	29	98.387	77.531,740	2.698.491,876	34,805	34,344	66	79	55.686	20.844,279	159.495,616	7,652	7,191
17	30	98.320	76.334,344	2.620.960,136	34,335	33,874	67	80	52.323	19.295,933	138.651,337	7,186	6,725
18	31	98.238	75.143,520	2.544.625,792	33,864	33,403	68	81	48.708	17.697,298	119.355,404	6,744	6,283
19	32	98.129	73.950,445	2.469.482,272	33,394	32,933	69	82	44.905	16.074,622	101.658,106	6,324	5,863
20	33	98.015	72.773,016	2.395.531,827	32,918	32,457	70	83	40.922	14.432,132	85.583,484	5,930	5,469
21	34	97.901	71.614,417	2.322.758,811	32,434	31,973	71	84	36.906	12.823,518	71.151,352	5,549	5,088
22	35	97.778	70.467,701	2.251.144,395	31,946	31,485	72	85	32.871	11.252,838	58.327,834	5,183	4,723
23	36	97.655	69.338,445	2.180.676,694	31,450	30,989	73	86	28.961	9.767,541	47.074,995	4,820	4,359
24	37	97.527	68.224,504	2.111.338,248	30,947	30,486	74	87	25.031	8.317,433	37.307,455	4,485	4,025
25	38	97.397	67.126,301	2.043.113,744	30,437	29,976	75	88	21.143	6.921,670	28.990,022	4,188	3,728
26	39	97.257	66.039,684	1.975.987,443	29,921	29,460	76	89	17.513	5.648,620	22.068,352	3,907	3,446
27	40	97.110	64.965,166	1.909.947,759	29,400	28,939	77	90	14.173	4.503,779	16.419,732	3,646	3,185
28	41	96.956	63.903,673	1.844.982,593	28,871	28,411	78	91	11.207	3.508,729	11.915,953	3,396	2,935
29	42	96.789	62.850,818	1.781.078,919	28,338	27,877	79	92	8.554	2.638,539	8.407,224	3,186	2,726
30	43	96.612	61.808,843	1.718.228,101	27,799	27,338	80	93	6.345	1.928,069	5.768,685	2,992	2,531
31	44	96.416	60.771,938	1.656.419,259	27,256	26,796	81	94	4.558	1.364,535	3.840,617	2,815	2,354
32	45	96.206	59.743,270	1.595.647,321	26,708	26,248	82	95	3.166	933,958	2.476,081	2,651	2,190
33	46	95.975	58.718,867	1.535.904,050	26,157	25,696	83	96	2.115	614,687	1.542,124	2,509	2,048
34	47	95.718	57.696,545	1.477.185,184	25,603	25,142	84	97	1.362	390,062	927,437	2,378	1,917
35	48	95.441	56.679,160	1.419.488,639	25,044	24,583	85	98	845	238,233	537,375	2,256	1,795
36	49	95.139	55.664,842	1.362.809,479	24,482	24,022	86	99	505	140,234	299,142	2,133	1,672
37	50	94.803	54.648,460	1.307.144,637	23,919	23,458	87	100	287	78,517	158,909	2,024	1,563
38	51	94.449	53.639,928	1.252.496,177	23,350	22,889	88	101	154	41,675	80,392	1,929	1,468
39	52	94.057	52.627,831	1.198.856,249	22,780	22,319	89	102	79	20,994	38,716	1,844	1,383
40	53	93.628	51.613,653	1.146.228,418	22,208	21,747	90	103	38	10,033	17,722	1,766	1,306
41	54	93.172	50.603,027	1.094.614,765	21,631	21,171	91	104	18	4,542	7,689	1,693	1,232
42	55	92.671	49.587,411	1.044.011,737	21,054	20,593	92	105	8	1,934	3,147	1,628	1,167
43	56	92.117	48.562,244	994.424,326	20,477	20,017	93	106					
44	57	91.520	47.534,528	945.862,081	19,898	19,438	94	107					
45	58	90.867	46.497,949	898.327,554	19,320	18,859	95	108					
46	59	90.151	45.449,896	851.829,604	18,742	18,281	96	109					
47	60	89.388	44.399,363	806.379,708	18,162	17,701	97	110					
48	61	88.563	43.339,394	761.980,345	17,582	17,121	98	111					
49	62	87.705	42.285,292	718.640,951	16,995	16,534	99	112					
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -14 Jahre

Zinsfuß 1,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	14	99.452	99.452,383	4.088.782,961	41,113	40,652	50	64	86.172	40.932,093	654.065,485	15,979	15,518
1	15	98.987	97.524,251	3.989.330,578	40,906	40,445	51	65	85.118	39.833,906	613.133,392	15,392	14,931
2	16	98.929	96.027,029	3.891.806,327	40,528	40,067	52	66	83.985	38.723,037	573.299,485	14,805	14,344
3	17	98.889	94.568,832	3.795.779,298	40,138	39,677	53	67	82.737	37.583,537	534.576,449	14,224	13,763
4	18	98.849	93.133,770	3.701.210,466	39,741	39,280	54	68	81.381	36.421,346	496.992,912	13,646	13,185
5	19	98.807	91.718,719	3.608.076,696	39,338	38,878	55	69	79.904	35.231,823	460.571,565	13,073	12,612
6	20	98.766	90.325,850	3.516.357,977	38,930	38,469	56	70	78.294	34.011,793	425.339,742	12,506	12,045
7	21	98.723	88.952,508	3.426.032,127	38,515	38,054	57	71	76.577	32.774,180	391.327,950	11,940	11,479
8	22	98.687	87.605,678	3.337.079,619	38,092	37,631	58	72	74.683	31.491,473	358.553,769	11,386	10,925
9	23	98.649	86.277,385	3.249.473,941	37,663	37,202	59	73	72.638	30.176,360	327.062,296	10,838	10,378
10	24	98.614	84.972,219	3.163.196,556	37,226	36,765	60	74	70.410	28.818,591	296.885,936	10,302	9,841
11	25	98.578	83.685,864	3.078.224,337	36,783	36,322	61	75	68.033	27.434,055	268.067,345	9,771	9,311
12	26	98.539	82.416,931	2.994.538,473	36,334	35,873	62	76	65.473	26.011,611	240.633,290	9,251	8,790
13	27	98.499	81.165,613	2.912.121,542	35,879	35,418	63	77	62.721	24.550,137	214.621,679	8,742	8,281
14	28	98.457	79.932,451	2.830.955,929	35,417	34,956	64	78	59.804	23.062,295	190.071,542	8,242	7,781
15	29	98.410	78.713,284	2.751.023,478	34,950	34,489	65	79	56.679	21.534,072	167.009,247	7,756	7,295
16	30	98.358	77.509,046	2.672.310,194	34,477	34,017	66	80	53.343	19.967,441	145.475,175	7,286	6,825
17	31	98.288	76.309,351	2.594.801,148	34,004	33,543	67	81	49.774	18.355,944	125.507,734	6,837	6,377
18	32	98.203	75.116,678	2.518.491,797	33,528	33,067	68	82	45.993	16.710,782	107.151,791	6,412	5,951
19	33	98.094	73.924,150	2.443.375,119	33,052	32,592	69	83	42.003	15.035,814	90.441,009	6,015	5,554
20	34	97.976	72.743,937	2.369.450,969	32,572	32,112	70	84	37.989	13.397,955	75.405,195	5,628	5,167
21	35	97.855	71.580,842	2.296.707,032	32,085	31,625	71	85	33.940	11.793,000	62.007,239	5,258	4,797
22	36	97.728	70.431,625	2.225.126,189	31,593	31,132	72	86	30.017	10.275,815	50.214,239	4,887	4,426
23	37	97.599	69.299,237	2.154.694,565	31,093	30,632	73	87	26.041	8.782,832	39.938,424	4,547	4,087
24	38	97.467	68.182,668	2.085.395,328	30,585	30,125	74	88	22.080	7.336,993	31.155,592	4,246	3,786
25	39	97.328	67.079,345	2.017.212,660	30,072	29,611	75	89	18.362	6.011,283	23.818,599	3,962	3,502
26	40	97.179	65.986,835	1.950.133,314	29,553	29,093	76	90	14.917	4.811,354	17.807,315	3,701	3,240
27	41	97.025	64.908,647	1.884.146,479	29,028	28,567	77	91	11.856	3.767,582	12.995,961	3,449	2,989
28	42	96.860	63.840,505	1.819.237,832	28,497	28,036	78	92	9.107	2.851,193	9.228,379	3,237	2,776
29	43	96.680	62.780,131	1.755.397,326	27,961	27,500	79	93	6.797	2.096,610	6.377,186	3,042	2,581
30	44	96.487	61.728,614	1.692.617,195	27,420	26,960	80	94	4.923	1.496,199	4.280,576	2,861	2,400
31	45	96.282	60.687,343	1.630.888,581	26,874	26,413	81	95	3.449	1.032,761	2.784,377	2,696	2,235
32	46	96.053	59.648,517	1.570.201,238	26,324	25,863	82	96	2.334	688,536	1.751,616	2,544	2,083
33	47	95.802	58.613,409	1.510.552,721	25,771	25,311	83	97	1.517	440,831	1.063,080	2,412	1,951
34	48	95.532	57.584,345	1.451.939,313	25,214	24,753	84	98	949	271,774	622,249	2,290	1,829
35	49	95.239	56.559,004	1.394.354,967	24,653	24,192	85	99	571	161,052	350,475	2,176	1,715
36	50	94.910	55.530,872	1.337.795,964	24,091	23,630	86	100	331	91,863	189,423	2,062	1,601
37	51	94.563	54.510,384	1.282.265,091	23,523	23,063	87	101	182	49,776	97,560	1,960	1,499
38	52	94.187	53.490,957	1.227.754,708	22,953	22,492	88	102	95	25,535	47,784	1,871	1,411
39	53	93.773	52.468,727	1.174.263,751	22,380	21,919	89	103	47	12,416	22,249	1,792	1,331
40	54	93.332	51.450,681	1.121.795,024	21,803	21,343	90	104	22	5,720	9,833	1,719	1,258
41	55	92.848	50.427,018	1.070.344,343	21,226	20,765	91	105	10	2,493	4,114	1,650	1,189
42	56	92.320	49.399,631	1.019.917,325	20,646	20,185	92	106					
43	57	91.747	48.367,280	970.517,694	20,066	19,605	93	107					
44	58	91.111	47.322,377	922.150,414	19,487	19,026	94	108					
45	59	90.429	46.274,032	874.828,037	18,905	18,445	95	109					
46	60	89.693	45.218,839	828.554,005	18,323	17,862	96	110					
47	61	88.896	44.154,978	783.335,166	17,741	17,280	97	111					
48	62	88.065	43.095,508	739.180,188	17,152	16,691	98	112					
49	63	87.153	42.019,195	696.084,680	16,566	16,105	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -15 Jahre

Zinsfuß 1,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	15	99.441	99.440,794	4.061.196,868	40,840	40,380	50	65	85.542	40.632,764	631.055,826	15,531	15,070
1	16	98.969	97.506,827	3.961.756,074	40,631	40,170	51	66	84.423	39.508,568	590.423,062	14,944	14,483
2	17	98.908	96.006,693	3.864.249,247	40,250	39,789	52	67	83.225	38.372,338	550.914,494	14,357	13,896
3	18	98.867	94.548,025	3.768.242,554	39,855	39,395	53	68	81.896	37.201,501	512.542,156	13,777	13,317
4	19	98.820	93.106,986	3.673.694,529	39,457	38,996	54	69	80.450	36.004,775	475.340,655	13,202	12,741
5	20	98.780	91.693,294	3.580.587,544	39,050	38,589	55	70	78.884	34.782,329	439.335,880	12,631	12,170
6	21	98.735	90.297,320	3.488.894,250	38,638	38,177	56	71	77.181	33.528,365	404.553,551	12,066	11,605
7	22	98.699	88.930,744	3.398.596,930	38,216	37,755	57	72	75.335	32.242,836	371.025,186	11,507	11,046
8	23	98.660	87.581,959	3.309.666,186	37,789	37,329	58	73	73.337	30.923,710	338.782,350	10,955	10,495
9	24	98.623	86.254,875	3.222.084,226	37,355	36,895	59	74	71.158	29.561,597	307.858,640	10,414	9,953
10	25	98.587	84.949,134	3.135.829,352	36,914	36,453	60	75	68.807	28.162,630	278.297,043	9,882	9,421
11	26	98.553	83.665,272	3.050.880,217	36,465	36,005	61	76	66.269	26.722,758	250.134,413	9,360	8,900
12	27	98.512	82.393,857	2.967.214,946	36,013	35,552	62	77	63.578	25.258,618	223.411,655	8,845	8,384
13	28	98.470	81.141,959	2.884.821,088	35,553	35,092	63	78	60.681	23.751,460	198.153,038	8,343	7,882
14	29	98.428	79.908,726	2.803.679,130	35,086	34,625	64	79	57.587	22.207,558	174.401,578	7,853	7,392
15	30	98.381	78.690,244	2.723.770,404	34,614	34,153	65	80	54.294	20.628,217	152.194,020	7,378	6,917
16	31	98.326	77.483,668	2.645.080,160	34,137	33,676	66	81	50.745	18.994,740	131.565,804	6,926	6,466
17	32	98.253	76.282,092	2.567.596,492	33,659	33,198	67	82	46.999	17.332,712	112.571,064	6,495	6,034
18	33	98.168	75.089,968	2.491.314,400	33,178	32,717	68	83	43.020	15.630,862	95.238,352	6,093	5,632
19	34	98.055	73.894,612	2.416.224,431	32,698	32,237	69	84	38.993	13.958,379	79.607,490	5,703	5,242
20	35	97.930	72.709,834	2.342.329,820	32,215	31,754	70	85	34.936	12.321,275	65.649,111	5,328	4,867
21	36	97.805	71.544,196	2.269.619,986	31,723	31,263	71	86	30.993	10.769,078	53.327,836	4,952	4,491
22	37	97.673	70.391,798	2.198.075,790	31,226	30,766	72	87	26.991	9.239,865	42.558,758	4,606	4,145
23	38	97.540	69.256,742	2.127.683,991	30,722	30,261	73	88	22.971	7.747,532	33.318,894	4,301	3,840
24	39	97.399	68.134,973	2.058.427,250	30,211	29,750	74	89	19.176	6.371,980	25.571,362	4,013	3,552
25	40	97.251	67.025,665	1.990.292,277	29,694	29,234	75	90	15.640	5.120,262	19.199,381	3,750	3,289
26	41	97.095	65.929,428	1.923.266,612	29,172	28,711	76	91	12.479	4.024,881	14.079,119	3,498	3,037
27	42	96.930	64.844,486	1.857.337,184	28,643	28,182	77	92	9.634	3.061,538	10.054,238	3,284	2,823
28	43	96.751	63.768,706	1.792.492,698	28,109	27,648	78	93	7.237	2.265,586	6.992,701	3,086	2,626
29	44	96.555	62.698,642	1.728.723,993	27,572	27,111	79	94	5.275	1.626,988	4.727,114	2,905	2,445
30	45	96.352	61.642,687	1.666.025,351	27,027	26,566	80	95	3.726	1.132,412	3.100,126	2,738	2,277
31	46	96.129	60.591,092	1.604.382,664	26,479	26,018	81	96	2.543	761,376	1.967,714	2,584	2,124
32	47	95.881	59.541,389	1.543.791,572	25,928	25,467	82	97	1.674	493,793	1.206,338	2,443	1,982
33	48	95.616	58.499,426	1.484.250,183	25,372	24,911	83	98	1.057	307,147	712,544	2,320	1,859
34	49	95.330	57.462,270	1.425.750,756	24,812	24,351	84	99	642	183,727	405,397	2,207	1,746
35	50	95.009	56.422,882	1.368.288,486	24,251	23,790	85	100	374	105,501	221,671	2,101	1,640
36	51	94.670	55.390,567	1.311.865,604	23,684	23,223	86	101	210	58,237	116,170	1,995	1,534
37	52	94.301	54.358,995	1.256.475,038	23,114	22,654	87	102	111	30,498	57,933	1,900	1,439
38	53	93.902	53.329,243	1.202.116,043	22,541	22,081	88	103	56	15,101	27,435	1,817	1,356
39	54	93.477	52.303,054	1.148.786,800	21,964	21,503	89	104	27	7,078	12,334	1,743	1,282
40	55	93.008	51.271,723	1.096.483,745	21,386	20,925	90	105	12	3,139	5,256	1,674	1,213
41	56	92.496	50.236,058	1.045.212,022	20,806	20,345	91	106					
42	57	91.950	49.201,305	994.975,964	20,223	19,762	92	107					
43	58	91.337	48.151,413	945.774,659	19,642	19,181	93	108					
44	59	90.673	47.094,490	897.623,246	19,060	18,599	94	109					
45	60	89.970	46.038,785	850.528,756	18,474	18,013	95	110					
46	61	89.199	44.969,943	804.489,971	17,890	17,429	96	111					
47	62	88.396	43.906,503	759.520,028	17,299	16,838	97	112					
48	63	87.511	42.824,312	715.613,526	16,710	16,250	98						
49	64	86.560	41.733,388	672.789,213	16,121	15,660	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -16 Jahre

Zinsfuß 1,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	16	99.423	99.423,027	4.032.554,963	40,560	40,099	50	66	84.843	40.300,901	607.360,881	15,071	14,610
1	17	98.948	97.486,177	3.933.131,936	40,346	39,885	51	67	83.658	39.150,755	567.059,980	14,484	14,023
2	18	98.887	95.985,570	3.835.645,758	39,961	39,500	52	68	82.379	37.982,284	527.909,225	13,899	13,438
3	19	98.838	94.520,833	3.739.660,189	39,564	39,104	53	69	80.959	36.776,006	489.926,941	13,322	12,861
4	20	98.793	93.081,176	3.645.139,355	39,161	38,700	54	70	79.424	35.545,419	453.150,935	12,749	12,288
5	21	98.749	91.664,332	3.552.058,179	38,751	38,290	55	71	77.763	34.287,949	417.605,516	12,179	11,719
6	22	98.711	90.275,227	3.460.393,847	38,332	37,871	56	72	75.930	32.984,794	383.317,566	11,621	11,160
7	23	98.673	88.906,667	3.370.118,620	37,906	37,445	57	73	73.977	31.661,527	350.332,773	11,065	10,604
8	24	98.635	87.559,109	3.281.211,953	37,474	37,013	58	74	71.843	30.293,721	318.671,246	10,519	10,059
9	25	98.596	86.231,441	3.193.652,845	37,036	36,575	59	75	69.538	28.888,724	288.377,525	9,982	9,522
10	26	98.563	84.928,231	3.107.421,404	36,589	36,128	60	76	67.023	27.432,443	259.488,801	9,459	8,998
11	27	98.526	83.641,849	3.022.493,173	36,136	35,675	61	77	64.351	25.949,178	232.056,358	8,943	8,482
12	28	98.483	82.369,845	2.938.851,324	35,679	35,218	62	78	61.509	24.436,891	206.107,180	8,434	7,973
13	29	98.441	81.117,874	2.856.481,479	35,214	34,753	63	79	58.432	22.871,181	181.670,288	7,943	7,482
14	30	98.399	79.885,336	2.775.363,605	34,742	34,281	64	80	55.165	21.273,371	158.799,108	7,465	7,004
15	31	98.349	78.664,479	2.695.478,269	34,266	33,805	65	81	51.649	19.623,326	137.525,737	7,008	6,547
16	32	98.291	77.455,991	2.616.813,790	33,785	33,324	66	82	47.916	17.935,899	117.902,411	6,574	6,113
17	33	98.218	76.254,968	2.539.357,799	33,301	32,840	67	83	43.962	16.212,601	99.966,512	6,166	5,705
18	34	98.129	75.059,964	2.463.102,831	32,815	32,354	68	84	39.938	14.510,787	83.753,911	5,772	5,311
19	35	98.009	73.859,968	2.388.042,867	32,332	31,871	69	85	35.860	12.836,662	69.243,124	5,394	4,933
20	36	97.879	72.672,609	2.314.182,898	31,844	31,383	70	86	31.903	11.251,485	56.406,462	5,013	4,552
21	37	97.750	71.503,741	2.241.510,289	31,348	30,887	71	87	27.869	9.683,399	45.154,977	4,663	4,202
22	38	97.613	70.348,633	2.170.006,548	30,846	30,386	72	88	23.809	8.150,691	35.471,578	4,352	3,891
23	39	97.471	69.208,296	2.099.657,915	30,338	29,877	73	89	19.950	6.728,522	27.320,887	4,060	3,600
24	40	97.321	68.080,447	2.030.449,620	29,824	29,363	74	90	16.334	5.427,495	20.592,365	3,794	3,333
25	41	97.166	66.967,353	1.962.369,172	29,303	28,843	75	91	13.084	4.283,294	15.164,870	3,540	3,080
26	42	96.999	65.864,257	1.895.401,819	28,777	28,317	76	92	10.140	3.270,619	10.881,576	3,327	2,866
27	43	96.821	64.771,557	1.829.537,562	28,246	27,785	77	93	7.656	2.432,728	7.610,957	3,129	2,668
28	44	96.626	63.685,933	1.764.766,004	27,710	27,250	78	94	5.616	1.758,116	5.178,229	2,945	2,485
29	45	96.420	62.611,364	1.701.080,072	27,169	26,708	79	95	3.992	1.231,401	3.420,113	2,777	2,317
30	46	96.200	61.544,921	1.638.468,707	26,622	26,162	80	96	2.747	834,841	2.188,711	2,622	2,161
31	47	95.957	60.482,272	1.576.923,786	26,072	25,612	81	97	1.824	546,032	1.353,870	2,479	2,019
32	48	95.694	59.425,603	1.516.441,514	25,518	25,058	82	98	1.166	344,048	807,839	2,348	1,887
33	49	95.413	58.375,411	1.457.015,912	24,959	24,499	83	99	714	207,640	463,791	2,234	1,773
34	50	95.100	57.323,974	1.398.640,500	24,399	23,938	84	100	420	120,355	256,151	2,128	1,668
35	51	94.769	56.280,322	1.341.316,526	23,833	23,372	85	101	237	66,882	135,796	2,030	1,570
36	52	94.407	55.236,733	1.285.036,204	23,264	22,803	86	102	128	35,682	68,914	1,931	1,471
37	53	94.016	54.194,657	1.229.799,470	22,692	22,231	87	103	66	18,036	33,232	1,843	1,382
38	54	93.606	53.160,854	1.175.604,814	22,114	21,653	88	104	32	8,609	15,196	1,765	1,304
39	55	93.151	52.121,132	1.122.443,960	21,535	21,074	89	105	15	3,885	6,586	1,695	1,235
40	56	92.656	51.077,564	1.070.322,828	20,955	20,494	90	106					
41	57	92.125	50.034,374	1.019.245,264	20,371	19,910	91	107					
42	58	91.539	48.981,716	969.210,890	19,787	19,326	92	108					
43	59	90.898	47.919,534	920.229,174	19,204	18,743	93	109					
44	60	90.212	46.855,072	872.309,641	18,617	18,156	94	110					
45	61	89.474	45.785,376	825.454,569	18,029	17,568	95	111					
46	62	88.697	44.716,881	779.669,193	17,436	16,975	96	112					
47	63	87.840	43.630,203	734.952,312	16,845	16,384	97						
48	64	86.915	42.533,029	691.322,108	16,254	15,793	98						
49	65	85.927	41.428,199	648.789,080	15,661	15,200	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -17 Jahre

Zinsfuß 1,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	17	99.402	99.401,972	4.002.873,723	40,270	39,809	50	67	84.075	39.935,912	583.030,233	14,599	14,138
1	18	98.927	97.464,728	3.903.471,751	40,050	39,589	51	68	82.808	38.752,788	543.094,321	14,014	13,554
2	19	98.858	95.957,965	3.806.007,023	39,663	39,202	52	69	81.437	37.547,859	504.341,533	13,432	12,971
3	20	98.811	94.494,632	3.710.049,057	39,262	38,801	53	70	79.926	36.306,811	466.793,674	12,857	12,396
4	21	98.762	93.051,776	3.615.554,426	38,855	38,395	54	71	78.295	35.040,193	430.486,863	12,286	11,825
5	22	98.724	91.641,905	3.522.502,650	38,438	37,977	55	72	76.502	33.732,064	395.446,670	11,723	11,262
6	23	98.684	90.250,786	3.430.860,746	38,015	37,554	56	73	74.561	32.390,107	361.714,606	11,167	10,707
7	24	98.647	88.883,470	3.340.609,960	37,584	37,123	57	74	72.470	31.016,507	329.324,499	10,618	10,157
8	25	98.608	87.535,321	3.251.726,489	37,148	36,687	58	75	70.208	29.604,184	298.307,992	10,077	9,616
9	26	98.572	86.210,222	3.164.191,169	36,703	36,242	59	76	67.735	28.139,711	268.703,808	9,549	9,088
10	27	98.535	84.904,455	3.077.980,946	36,252	35,791	60	77	65.083	26.638,319	240.564,097	9,031	8,570
11	28	98.497	83.617,473	2.993.076,492	35,795	35,334	61	78	62.257	25.104,986	213.925,778	8,521	8,060
12	29	98.454	82.345,396	2.909.459,019	35,332	34,872	62	79	59.230	23.531,209	188.820,792	8,024	7,563
13	30	98.412	81.094,130	2.827.113,623	34,862	34,401	63	80	55.974	21.909,078	165.289,583	7,544	7,084
14	31	98.367	79.859,180	2.746.019,492	34,386	33,925	64	81	52.478	20.237,052	143.380,505	7,085	6,624
15	32	98.314	78.636,380	2.666.160,313	33,905	33,444	65	82	48.770	18.529,446	123.143,453	6,646	6,185
16	33	98.256	77.428,449	2.587.523,933	33,418	32,957	66	83	44.820	16.776,807	104.614,007	6,236	5,775
17	34	98.179	76.224,499	2.510.095,484	32,930	32,470	67	84	40.812	15.050,839	87.837,200	5,836	5,375
18	35	98.083	75.024,774	2.433.870,985	32,441	31,980	68	85	36.728	13.344,678	72.786,361	5,454	4,994
19	36	97.958	73.822,155	2.358.846,211	31,953	31,492	69	86	32.746	11.722,124	59.441,683	5,071	4,610
20	37	97.824	72.631,516	2.285.024,056	31,461	31,000	70	87	28.687	10.117,173	47.719,559	4,717	4,256
21	38	97.690	71.459,893	2.212.392,540	30,960	30,499	71	88	24.584	8.541,943	37.602,386	4,402	3,941
22	39	97.545	70.299,423	2.140.932,646	30,454	29,994	72	89	20.678	7.078,655	29.060,443	4,105	3,645
23	40	97.393	69.152,911	2.070.633,223	29,943	29,482	73	90	16.993	5.731,188	21.981,789	3,835	3,375
24	41	97.237	68.021,219	2.001.480,312	29,424	28,964	74	91	13.664	4.540,306	16.250,600	3,579	3,118
25	42	97.070	66.901,157	1.933.459,094	28,900	28,439	75	92	10.632	3.480,605	11.710,294	3,364	2,904
26	43	96.890	65.790,182	1.866.557,937	28,371	27,911	76	93	8.058	2.598,866	8.229,689	3,167	2,706
27	44	96.695	64.687,483	1.800.767,755	27,838	27,377	77	94	5.941	1.887,820	5.630,823	2,983	2,522
28	45	96.491	63.597,281	1.736.080,272	27,298	26,837	78	95	4.250	1.330,647	3.743,003	2,813	2,352
29	46	96.267	62.512,062	1.672.482,991	26,755	26,294	79	96	2.943	907,818	2.412,357	2,657	2,197
30	47	96.027	61.434,387	1.609.970,929	26,206	25,746	80	97	1.970	598,718	1.504,539	2,513	2,052
31	48	95.770	60.364,655	1.548.536,541	25,653	25,192	81	98	1.271	380,445	905,820	2,381	1,920
32	49	95.492	59.299,624	1.488.171,886	25,096	24,635	82	99	788	232,586	525,375	2,259	1,798
33	50	95.184	58.234,918	1.428.872,262	24,536	24,076	83	100	468	136,020	292,789	2,153	1,692
34	51	94.860	57.179,138	1.370.637,344	23,971	23,510	84	101	266	76,298	156,770	2,055	1,594
35	52	94.506	56.124,018	1.313.458,206	23,403	22,942	85	102	145	40,979	80,471	1,964	1,503
36	53	94.122	55.069,741	1.257.334,188	22,832	22,371	86	103	76	21,102	39,492	1,871	1,411
37	54	93.719	54.023,535	1.202.264,446	22,254	21,794	87	104	38	10,283	18,390	1,788	1,328
38	55	93.280	52.975,948	1.148.240,912	21,675	21,214	88	105	18	4,725	8,108	1,716	1,255
39	56	92.799	51.923,756	1.095.264,964	21,094	20,633	89						
40	57	92.284	50.872,502	1.043.341,208	20,509	20,048	90						
41	58	91.714	49.811,067	992.468,706	19,925	19,464	91						
42	59	91.099	48.745,838	942.657,640	19,338	18,877	92						
43	60	90.435	47.675,921	893.911,802	18,750	18,289	93						
44	61	89.715	46.597,170	846.235,881	18,161	17,700	94						
45	62	88.971	45.527,726	799.638,711	17,564	17,103	95						
46	63	88.139	44.435,482	754.110,985	16,971	16,510	96						
47	64	87.242	43.333,438	709.675,503	16,377	15,916	97						
48	65	86.280	42.221,992	666.342,065	15,782	15,321	98						
49	66	85.226	41.089,839	624.120,073	15,189	14,728	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -18 Jahre

Zinsfuß 1,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	18	99.380	99.380,101	3.972.167,668	39,969	39,509	50	68	83.220	39.529,964	558.115,625	14,119	13,658
1	19	98.898	97.436,698	3.872.787,567	39,747	39,286	51	69	81.861	38.309,550	518.585,661	13,537	13,076
2	20	98.831	95.931,365	3.775.350,869	39,355	38,894	52	70	80.398	37.068,816	480.276,111	12,956	12,496
3	21	98.780	94.464,785	3.679.419,504	38,950	38,489	53	71	78.790	35.790,763	443.207,294	12,383	11,922
4	22	98.738	93.029,009	3.584.954,719	38,536	38,075	54	72	77.025	34.472,112	407.416,532	11,819	11,358
5	23	98.698	91.617,093	3.491.925,710	38,114	37,654	55	73	75.123	33.123,905	372.944,419	11,259	10,798
6	24	98.658	90.227,239	3.400.308,617	37,686	37,225	56	74	73.042	31.730,244	339.820,515	10,710	10,249
7	25	98.620	88.859,323	3.310.081,378	37,251	36,790	57	75	70.820	30.310,518	308.090,270	10,164	9,704
8	26	98.584	87.513,781	3.221.222,056	36,808	36,347	58	76	68.387	28.836,621	277.779,752	9,633	9,172
9	27	98.544	86.186,087	3.133.708,274	36,360	35,899	59	77	65.775	27.325,113	248.943,132	9,110	8,650
10	28	98.506	84.879,711	3.047.522,187	35,904	35,443	60	78	62.966	25.771,708	221.618,019	8,599	8,138
11	29	98.468	83.592,653	2.962.642,476	35,441	34,981	61	79	59.950	24.174,542	195.846,311	8,101	7,641
12	30	98.425	82.321,293	2.879.049,823	34,973	34,513	62	80	56.738	22.541,341	171.671,769	7,616	7,155
13	31	98.380	81.067,579	2.796.728,530	34,499	34,038	63	81	53.247	20.841,791	149.130,428	7,155	6,695
14	32	98.332	79.830,653	2.715.660,951	34,018	33,557	64	82	49.552	19.108,960	128.288,636	6,714	6,253
15	33	98.279	78.608,418	2.635.830,298	33,531	33,070	65	83	45.619	17.331,996	109.179,676	6,299	5,839
16	34	98.216	77.397,510	2.557.221,880	33,040	32,579	66	84	41.608	15.574,616	91.847,680	5,897	5,436
17	35	98.133	76.188,763	2.479.824,369	32,548	32,088	67	85	37.532	13.841,331	76.273,064	5,511	5,050
18	36	98.033	74.986,365	2.403.635,606	32,054	31,594	68	86	33.539	12.186,031	62.431,733	5,123	4,662
19	37	97.903	73.780,412	2.328.649,241	31,562	31,101	69	87	29.445	10.540,365	50.245,701	4,767	4,306
20	38	97.764	72.586,977	2.254.868,829	31,064	30,604	70	88	25.305	8.924,584	39.705,337	4,449	3,988
21	39	97.621	71.409,906	2.182.281,852	30,560	30,099	71	89	21.350	7.418,446	30.780,752	4,149	3,688
22	40	97.467	70.243,165	2.110.871,946	30,051	29,590	72	90	17.613	6.029,422	23.362,306	3,875	3,414
23	41	97.309	69.092,749	2.040.628,781	29,535	29,074	73	91	14.215	4.794,357	17.332,884	3,615	3,154
24	42	97.140	67.953,980	1.971.536,032	29,013	28,552	74	92	11.103	3.689,453	12.538,526	3,398	2,938
25	43	96.961	66.825,915	1.903.582,051	28,486	28,025	75	93	8.448	2.765,724	8.849,074	3,200	2,739
26	44	96.764	65.704,785	1.836.756,136	27,955	27,494	76	94	6.253	2.016,744	6.083,350	3,016	2,556
27	45	96.560	64.597,437	1.771.051,351	27,417	26,956	77	95	4.496	1.428,814	4.066,606	2,846	2,385
28	46	96.338	63.496,415	1.706.453,914	26,875	26,414	78	96	3.133	980,984	2.637,792	2,689	2,228
29	47	96.094	62.399,792	1.642.957,499	26,330	25,869	79	97	2.111	651,055	1.656,808	2,545	2,084
30	48	95.840	61.314,919	1.580.557,707	25,778	25,317	80	98	1.373	417,154	1.005,753	2,411	1,950
31	49	95.567	60.236,686	1.519.242,788	25,221	24,760	81	99	859	257,191	588,599	2,289	1,828
32	50	95.262	59.156,906	1.459.006,102	24,663	24,203	82	100	517	152,361	331,408	2,175	1,714
33	51	94.943	58.087,780	1.399.849,195	24,099	23,638	83	101	297	86,229	179,047	2,076	1,616
34	52	94.597	57.020,338	1.341.761,415	23,531	23,070	84	102	163	46,748	92,817	1,985	1,525
35	53	94.220	55.954,344	1.284.741,077	22,961	22,500	85	103	86	24,235	46,069	1,901	1,440
36	54	93.825	54.895,856	1.228.786,734	22,384	21,923	86	104	43	12,030	21,834	1,815	1,354
37	55	93.393	53.835,628	1.173.890,878	21,805	21,344	87	105	21	5,644	9,804	1,737	1,276
38	56	92.927	52.775,335	1.120.055,250	21,223	20,762	88	106					
39	57	92.426	51.715,297	1.067.279,915	20,638	20,177	89	107					
40	58	91.872	50.645,454	1.015.564,618	20,052	19,592	90	108					
41	59	91.272	49.571,195	964.919,164	19,465	19,005	91	109					
42	60	90.635	48.498,024	915.347,969	18,874	18,413	92	110					
43	61	89.938	47.413,501	866.849,945	18,283	17,822	93	111					
44	62	89.210	46.334,951	819.436,444	17,685	17,224	94	112					
45	63	88.411	45.241,225	773.101,493	17,088	16,628	95						
46	64	87.539	44.133,239	727.860,268	16,492	16,032	96						
47	65	86.604	43.016,548	683.727,029	15,895	15,434	97						
48	66	85.575	41.877,149	640.710,481	15,300	14,839	98						
49	67	84.454	40.717,706	598.833,331	14,707	14,246	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -19 Jahre

Zinsfuß 1,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	19	99.352	99.351,520	3.940.449,400	39,662	39,201	50	69	82.268	39.077,837	532.678,046	13,631	13,170
1	20	98.871	97.409,688	3.841.097,880	39,432	38,972	51	70	80.816	37.820,790	493.600,208	13,051	12,590
2	21	98.800	95.901,065	3.743.688,191	39,037	38,576	52	71	79.255	36.541,937	455.779,418	12,473	12,012
3	22	98.756	94.441,672	3.647.787,127	38,625	38,164	53	72	77.513	35.210,513	419.237,480	11,907	11,446
4	23	98.711	93.003,822	3.553.345,455	38,206	37,746	54	73	75.637	33.850,611	384.026,967	11,345	10,884
5	24	98.672	91.593,190	3.460.341,633	37,779	37,319	55	74	73.593	32.449,093	350.176,357	10,792	10,331
6	25	98.632	90.202,726	3.368.748,443	37,346	36,886	56	75	71.379	31.008,010	317.727,264	10,247	9,786
7	26	98.596	88.837,457	3.278.545,717	36,905	36,444	57	76	68.984	29.524,641	286.719,254	9,711	9,250
8	27	98.556	87.489,281	3.189.708,260	36,458	35,997	58	77	66.408	28.001,848	257.194,613	9,185	8,724
9	28	98.516	86.160,970	3.102.218,979	36,005	35,544	59	78	63.635	26.436,158	229.192,765	8,670	8,209
10	29	98.477	84.854,517	3.016.058,009	35,544	35,083	60	79	60.632	24.816,554	202.756,607	8,170	7,709
11	30	98.439	83.568,185	2.931.203,492	35,076	34,615	61	80	57.428	23.157,612	177.940,053	7,684	7,223
12	31	98.393	82.294,339	2.847.635,307	34,603	34,142	62	81	53.974	21.443,254	154.782,441	7,218	6,757
13	32	98.345	81.038,621	2.765.340,968	34,124	33,663	63	82	50.279	19.679,989	133.339,186	6,775	6,315
14	33	98.297	79.802,267	2.684.302,347	33,637	33,176	64	83	46.350	17.874,061	113.659,198	6,359	5,898
15	34	98.239	78.577,008	2.604.500,080	33,146	32,685	65	84	42.350	16.090,022	95.785,137	5,953	5,492
16	35	98.170	77.361,225	2.525.923,071	32,651	32,190	66	85	38.264	14.323,016	79.695,115	5,564	5,103
17	36	98.082	76.149,758	2.448.561,846	32,155	31,694	67	86	34.273	12.639,562	65.372,100	5,172	4,711
18	37	97.977	74.943,963	2.372.412,089	31,656	31,195	68	87	30.158	10.957,504	52.732,537	4,812	4,352
19	38	97.843	73.735,168	2.297.468,125	31,158	30,698	69	88	25.974	9.297,891	41.775,033	4,493	4,032
20	39	97.696	72.536,201	2.223.732,957	30,657	30,196	70	89	21.977	7.750,760	32.477,143	4,190	3,729
21	40	97.543	71.352,760	2.151.196,755	30,149	29,688	71	90	18.186	6.318,849	24.726,382	3,913	3,452
22	41	97.382	70.182,055	2.079.843,996	29,635	29,174	72	91	14.734	5.043,842	18.407,534	3,650	3,189
23	42	97.212	69.024,452	2.009.661,941	29,115	28,654	73	92	11.551	3.895,895	13.363,692	3,430	2,969
24	43	97.031	67.877,555	1.940.637,489	28,590	28,129	74	93	8.823	2.931,676	9.467,797	3,229	2,769
25	44	96.835	66.739,174	1.872.759,934	28,061	27,600	75	94	6.556	2.146,227	6.536,121	3,045	2,585
26	45	96.629	65.613,323	1.806.020,761	27,525	27,064	76	95	4.732	1.526,392	4.389,894	2,876	2,415
27	46	96.407	64.494,985	1.740.407,437	26,985	26,524	77	96	3.315	1.053,355	2.863,502	2,718	2,258
28	47	96.165	63.382,377	1.675.912,452	26,441	25,981	78	97	2.247	703,527	1.810,147	2,573	2,112
29	48	95.908	62.278,446	1.612.530,075	25,892	25,431	79	98	1.471	453,619	1.106,620	2,440	1,979
30	49	95.637	61.184,936	1.550.251,629	25,337	24,876	80	99	928	282,008	653,001	2,316	1,855
31	50	95.337	60.091,713	1.489.066,693	24,780	24,319	81	100	563	168,480	370,993	2,202	1,741
32	51	95.021	59.007,439	1.428.974,980	24,217	23,756	82	101	327	96,589	202,514	2,097	1,636
33	52	94.680	57.926,456	1.369.967,541	23,650	23,189	83	102	182	52,833	105,925	2,005	1,544
34	53	94.311	56.847,953	1.312.041,085	23,080	22,619	84	103	97	27,647	53,092	1,920	1,460
35	54	93.923	55.777,665	1.255.193,132	22,504	22,043	85	104	49	13,816	25,445	1,842	1,381
36	55	93.498	54.704,915	1.199.415,466	21,925	21,464	86	105	24	6,603	11,629	1,761	1,300
37	56	93.039	53.631,760	1.144.710,551	21,344	20,883	87	106					
38	57	92.554	52.563,457	1.091.078,791	20,757	20,297	88	107					
39	58	92.014	51.484,487	1.038.515,334	20,171	19,711	89	108					
40	59	91.429	50.401,564	987.030,847	19,583	19,123	90	109					
41	60	90.808	49.319,186	936.629,283	18,991	18,530	91	110					
42	61	90.137	48.231,079	887.310,098	18,397	17,936	92	111					
43	62	89.432	47.146,688	839.079,019	17,797	17,336	93	112					
44	63	88.649	46.043,370	791.932,330	17,200	16,739	94						
45	64	87.810	44.933,501	745.888,960	16,600	16,139	95						
46	65	86.899	43.810,501	700.955,459	16,000	15,539	96						
47	66	85.897	42.665,216	657.144,958	15,402	14,942	97						
48	67	84.800	41.497,886	614.479,742	14,807	14,347	98						
49	68	83.595	40.303,811	572.981,856	14,217	13,756	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -20 Jahre

Zinsfuß 1,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	20	99.324	99.323,980	3.907.737,816	39,343	38,883	50	70	81.219	38.579,275	506.784,927	13,136	12,675
1	21	98.840	97.378,921	3.808.413,837	39,109	38,648	51	71	79.668	37.283,223	468.205,651	12,558	12,097
2	22	98.776	95.877,600	3.711.034,916	38,706	38,245	52	72	77.970	35.949,510	430.922,428	11,987	11,526
3	23	98.729	94.416,103	3.615.157,315	38,290	37,829	53	73	76.115	34.575,699	394.972,919	11,423	10,963
4	24	98.685	92.979,557	3.520.741,212	37,866	37,405	54	74	74.096	33.160,994	360.397,220	10,868	10,407
5	25	98.645	91.568,306	3.427.761,656	37,434	36,973	55	75	71.918	31.710,496	327.236,226	10,319	9,859
6	26	98.607	90.180,530	3.336.193,350	36,995	36,534	56	76	69.529	30.204,049	295.525,730	9,784	9,324
7	27	98.568	88.812,587	3.246.012,820	36,549	36,088	57	77	66.987	28.669,951	265.321,681	9,254	8,794
8	28	98.527	87.463,784	3.157.200,233	36,097	35,636	58	78	64.247	27.090,878	236.651,730	8,735	8,275
9	29	98.486	86.135,395	3.069.736,450	35,639	35,178	59	79	61.276	25.456,378	209.560,852	8,232	7,771
10	30	98.448	84.829,679	2.983.601,054	35,172	34,711	60	80	58.082	23.772,617	184.104,474	7,744	7,284
11	31	98.407	83.540,824	2.898.771,375	34,699	34,238	61	81	54.630	22.029,504	160.331,857	7,278	6,817
12	32	98.357	82.264,943	2.815.230,552	34,222	33,761	62	82	50.965	20.247,924	138.302,353	6,830	6,370
13	33	98.310	81.009,805	2.732.965,609	33,736	33,275	63	83	47.030	18.408,187	118.054,429	6,413	5,952
14	34	98.258	79.770,380	2.651.955,803	33,245	32,784	64	84	43.029	16.593,243	99.646,242	6,005	5,544
15	35	98.193	78.540,170	2.572.185,423	32,750	32,289	65	85	38.946	14.797,003	83.053,000	5,613	5,152
16	36	98.120	77.321,619	2.493.645,253	32,250	31,790	66	86	34.942	13.079,425	68.255,997	5,219	4,758
17	37	98.027	76.106,698	2.416.323,634	31,749	31,288	67	87	30.818	11.365,312	55.176,572	4,855	4,394
18	38	97.917	74.898,006	2.340.216,936	31,245	30,785	68	88	26.603	9.665,859	43.811,259	4,533	4,072
19	39	97.774	73.683,590	2.265.318,929	30,744	30,283	69	89	22.558	8.074,967	34.145,401	4,229	3,768
20	40	97.618	72.478,154	2.191.635,340	30,239	29,778	70	90	18.719	6.601,905	26.070,434	3,949	3,488
21	41	97.458	71.290,684	2.119.157,186	29,726	29,265	71	91	15.213	5.285,957	19.468,528	3,683	3,222
22	42	97.286	70.112,681	2.047.866,502	29,208	28,747	72	92	11.973	4.098,626	14.182,571	3,460	3,000
23	43	97.103	68.946,822	1.977.753,821	28,685	28,224	73	93	9.179	3.095,717	10.083,945	3,257	2,797
24	44	96.905	67.789,448	1.908.806,999	28,158	27,697	74	94	6.847	2.275,008	6.988,228	3,072	2,611
25	45	96.700	66.646,272	1.841.017,551	27,624	27,163	75	95	4.962	1.624,392	4.713,220	2,902	2,441
26	46	96.476	65.509,260	1.774.371,279	27,086	26,625	76	96	3.489	1.125,292	3.088,828	2,745	2,284
27	47	96.234	64.379,153	1.708.862,019	26,544	26,083	77	97	2.377	755,429	1.963,536	2,599	2,138
28	48	95.978	63.259,121	1.644.482,866	25,996	25,535	78	98	1.566	490,179	1.208,107	2,465	2,004
29	49	95.704	62.146,420	1.581.223,745	25,444	24,983	79	99	994	306,659	717,929	2,341	1,880
30	50	95.407	61.037,681	1.519.077,325	24,888	24,427	80	100	608	184,736	411,269	2,226	1,765
31	51	95.096	59.939,884	1.458.039,644	24,325	23,864	81	101	357	106,807	226,533	2,121	1,660
32	52	94.757	58.843,561	1.398.099,761	23,760	23,299	82	102	201	59,180	119,726	2,023	1,562
33	53	94.393	57.751,333	1.339.256,200	23,190	22,729	83	103	108	31,246	60,546	1,938	1,477
34	54	94.013	56.668,454	1.281.504,867	22,614	22,153	84	104	55	15,762	29,300	1,859	1,398
35	55	93.596	55.583,657	1.224.836,413	22,036	21,575	85	105	27	7,583	13,539	1,785	1,325
36	56	93.144	54.497,756	1.169.252,756	21,455	20,994	86	106					
37	57	92.666	53.416,443	1.114.755,001	20,869	20,408	87	107					
38	58	92.141	52.328,862	1.061.338,557	20,282	19,821	88	108					
39	59	91.570	51.236,557	1.009.009,696	19,693	19,232	89	109					
40	60	90.965	50.145,333	957.773,139	19,100	18,639	90	110					
41	61	90.308	49.047,720	907.627,806	18,505	18,044	91	111					
42	62	89.629	47.959,666	858.580,085	17,902	17,441	92	112					
43	63	88.869	46.849,999	810.620,419	17,302	16,842	93						
44	64	88.046	45.730,191	763.770,420	16,702	16,241	94						
45	65	87.167	44.604,911	718.040,230	16,098	15,637	95						
46	66	86.190	43.452,684	673.435,319	15,498	15,037	96						
47	67	85.119	42.278,815	629.982,635	14,901	14,440	97						
48	68	83.938	41.076,060	587.703,820	14,308	13,847	98						
49	69	82.639	39.842,833	546.627,760	13,720		99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -21 Jahre

Zinsfuß 1,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	21	99.293	99.292,607	3.874.044,119	39,016	38,556	50	71	80.064	38.030,927	480.505,010	12,635	12,174
1	22	98.815	97.355,095	3.774.751,512	38,773	38,312	51	72	78.376	36.678,778	442.474,083	12,063	11,603
2	23	98.749	95.851,642	3.677.396,417	38,366	37,905	52	73	76.564	35.301,372	405.795,305	11,495	11,034
3	24	98.703	94.391,469	3.581.544,774	37,944	37,483	53	74	74.565	33.871,310	370.493,934	10,938	10,477
4	25	98.658	92.954,296	3.487.153,305	37,515	37,054	54	75	72.409	32.406,193	336.622,623	10,388	9,927
5	26	98.621	91.545,774	3.394.199,009	37,077	36,616	55	76	70.053	30.888,321	304.216,430	9,849	9,388
6	27	98.580	90.155,283	3.302.653,235	36,633	36,172	56	77	67.516	29.329,691	273.328,109	9,319	8,858
7	28	98.539	88.786,704	3.212.497,952	36,182	35,721	57	78	64.808	27.737,246	243.998,418	8,797	8,336
8	29	98.498	87.437,823	3.123.711,248	35,725	35,264	58	79	61.866	26.086,833	216.261,172	8,290	7,829
9	30	98.458	86.110,183	3.036.273,425	35,260	34,800	59	80	58.699	24.385,527	190.174,339	7,799	7,338
10	31	98.416	84.801,904	2.950.163,243	34,789	34,328	60	81	55.252	22.614,549	165.788,813	7,331	6,870
11	32	98.372	83.510,982	2.865.361,338	34,311	33,850	61	82	51.585	20.801,494	143.174,264	6,883	6,422
12	33	98.322	82.235,692	2.781.850,356	33,828	33,367	62	83	47.672	18.939,419	122.372,770	6,461	6,000
13	34	98.270	80.977,436	2.699.614,665	33,338	32,877	63	84	43.660	17.089,094	103.433,350	6,053	5,592
14	35	98.212	79.732,982	2.618.637,229	32,843	32,382	64	85	39.571	15.259,784	86.344,256	5,658	5,197
15	36	98.143	78.499,961	2.538.904,247	32,343	31,882	65	86	35.565	13.512,259	71.084,472	5,261	4,800
16	37	98.065	77.277,897	2.460.404,286	31,838	31,378	66	87	31.419	11.760,831	57.572,214	4,895	4,434
17	38	97.967	76.060,028	2.383.126,389	31,332	30,871	67	88	27.185	10.025,596	45.811,383	4,569	4,109
18	39	97.849	74.845,614	2.307.066,361	30,824	30,364	68	89	23.104	8.394,537	35.785,787	4,263	3,802
19	40	97.696	73.624,624	2.232.220,746	30,319	29,858	69	90	19.214	6.878,057	27.391,250	3,982	3,522
20	41	97.533	72.415,099	2.158.596,123	29,809	29,348	70	91	15.660	5.522,745	20.513,193	3,714	3,254
21	42	97.362	71.220,214	2.086.181,024	29,292	28,831	71	92	12.362	4.295,369	14.990,448	3,490	3,029
22	43	97.176	70.033,827	2.014.960,810	28,771	28,310	72	93	9.514	3.256,809	10.695,079	3,284	2,823
23	44	96.977	68.857,328	1.944.926,983	28,246	27,785	73	94	7.123	2.402,305	7.438,270	3,096	2,636
24	45	96.770	67.695,085	1.876.069,655	27,714	27,253	74	95	5.182	1.721,861	5.035,965	2,925	2,464
25	46	96.547	66.540,571	1.808.374,570	27,177	26,716	75	96	3.658	1.197,540	3.314,104	2,767	2,307
26	47	96.303	65.391,606	1.741.834,000	26,637	26,176	76	97	2.502	807,019	2.116,564	2,623	2,162
27	48	96.047	64.253,958	1.676.442,393	26,091	25,630	77	98	1.656	526,341	1.309,545	2,488	2,027
28	49	95.775	63.125,016	1.612.188,435	25,540	25,079	78	99	1.058	331,374	783,203	2,363	1,903
29	50	95.474	61.996,851	1.549.063,419	24,986	24,525	79	100	651	200,885	451,829	2,249	1,788
30	51	95.166	60.883,461	1.487.066,568	24,425	23,964	80	101	385	117,113	250,944	2,143	1,682
31	52	94.832	59.773,416	1.426.183,107	23,860	23,399	81	102	219	65,441	133,831	2,045	1,584
32	53	94.471	58.665,665	1.366.409,691	23,291	22,831	82	103	119	34,999	68,390	1,954	1,493
33	54	94.095	57.568,980	1.307.744,027	22,716	22,255	83	104	61	17,813	33,391	1,875	1,414
34	55	93.686	56.471,347	1.250.175,046	22,138	21,677	84	105	30	8,651	15,578	1,801	1,340
35	56	93.242	55.373,170	1.193.703,699	21,557	21,097	85	106					
36	57	92.770	54.278,962	1.138.330,529	20,972	20,511	86	107					
37	58	92.252	53.178,041	1.084.051,567	20,385	19,925	87	108					
38	59	91.697	52.076,865	1.030.873,526	19,795	19,334	88	109					
39	60	91.105	50.976,081	978.796,661	19,201	18,740	89	110					
40	61	90.464	49.869,321	927.820,579	18,605	18,144	90	111					
41	62	89.800	48.771,712	877.951,259	18,001	17,540	91	112					
42	63	89.065	47.657,861	829.179,547	17,399	16,938	92						
43	64	88.264	46.531,333	781.521,686	16,796	16,335	93						
44	65	87.402	45.395,774	734.990,353	16,191	15,730	94						
45	66	86.456	44.240,606	689.594,579	15,587	15,127	95						
46	67	85.409	43.059,152	645.353,974	14,988	14,527	96						
47	68	84.254	41.849,051	602.294,822	14,392	13,931	97						
48	69	82.978	40.606,249	560.445,571	13,802	13,341	98						
49	70	81.585	39.334,511	519.839,521	13,216	12,755	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -22 Jahre

Zinsfuß 1,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	22	99.268	99.268,313	3.839.384,327	38,677	38,216	50	72	78.766	37.414,360	453.911,261	12,132	11,671
1	23	98.789	97.328,737	3.740.116,014	38,428	37,967	51	73	76.963	36.017,492	416.496,901	11,564	11,103
2	24	98.723	95.826,634	3.642.787,277	38,014	37,554	52	74	75.004	34.582,200	380.479,409	11,002	10,541
3	25	98.676	94.365,825	3.546.960,643	37,587	37,127	53	75	72.867	33.100,341	345.897,209	10,450	9,989
4	26	98.634	92.931,423	3.452.594,818	37,152	36,691	54	76	70.532	31.565,980	312.796,868	9,909	9,449
5	27	98.593	91.520,145	3.359.663,394	36,710	36,249	55	77	68.025	29.994,155	281.230,888	9,376	8,915
6	28	98.551	90.129,009	3.268.143,249	36,261	35,800	56	78	65.319	28.375,523	251.236,733	8,854	8,393
7	29	98.510	88.760,350	3.178.014,240	35,804	35,344	57	79	62.406	26.709,245	222.861,210	8,344	7,883
8	30	98.469	87.412,229	3.089.253,890	35,341	34,880	58	80	59.264	24.989,460	196.151,965	7,849	7,389
9	31	98.425	86.081,989	3.001.841,661	34,872	34,411	59	81	55.839	23.197,601	171.162,505	7,378	6,918
10	32	98.381	84.771,612	2.915.759,673	34,395	33,935	60	82	52.172	21.353,926	147.964,903	6,929	6,468
11	33	98.337	83.481,287	2.830.988,060	33,912	33,451	61	83	48.251	19.457,216	126.610,977	6,507	6,046
12	34	98.283	82.202,832	2.747.506,773	33,424	32,963	62	84	44.256	17.582,260	107.153,762	6,094	5,634
13	35	98.224	80.939,472	2.665.303,941	32,930	32,469	63	85	40.151	15.715,788	89.571,502	5,699	5,239
14	36	98.161	79.692,163	2.584.364,469	32,429	31,969	64	86	36.135	13.934,859	73.855,713	5,300	4,839
15	37	98.088	78.455,572	2.504.672,306	31,925	31,464	65	87	31.979	12.150,028	59.920,854	4,932	4,471
16	38	98.004	77.230,509	2.426.216,734	31,415	30,954	66	88	27.716	10.374,491	47.770,826	4,605	4,144
17	39	97.898	76.006,823	2.348.986,225	30,905	30,444	67	89	23.610	8.706,959	37.396,335	4,295	3,834
18	40	97.770	74.785,718	2.272.979,402	30,393	29,932	68	90	19.679	7.150,258	28.689,376	4,012	3,552
19	41	97.611	73.560,571	2.198.193,684	29,883	29,422	69	91	16.073	5.753,756	21.539,118	3,743	3,283
20	42	97.436	72.343,517	2.124.633,112	29,369	28,908	70	92	12.725	4.487,783	15.785,361	3,517	3,057
21	43	97.253	71.140,115	2.052.289,595	28,849	28,388	71	93	9.823	3.413,143	11.297,578	3,310	2,849
22	44	97.050	69.942,922	1.981.149,480	28,325	27,864	72	94	7.388	2.527,314	7.884,435	3,120	2,659
23	45	96.842	68.761,478	1.911.206,558	27,795	27,334	73	95	5.391	1.818,207	5.357,121	2,946	2,486
24	46	96.617	67.587,720	1.842.445,081	27,260	26,799	74	96	3.820	1.269,396	3.538,914	2,788	2,327
25	47	96.373	66.421,065	1.774.857,361	26,721	26,261	75	97	2.623	858,833	2.269,518	2,643	2,182
26	48	96.116	65.264,443	1.708.436,296	26,177	25,716	76	98	1.743	562,287	1.410,685	2,509	2,048
27	49	95.843	64.117,744	1.643.171,853	25,627	25,167	77	99	1.120	355,821	848,398	2,384	1,924
28	50	95.544	62.973,091	1.579.054,109	25,075	24,614	78	100	693	217,075	492,576	2,269	1,808
29	51	95.233	61.840,208	1.516.081,017	24,516	24,055	79	101	413	127,350	275,501	2,163	1,703
30	52	94.901	60.714,373	1.454.240,810	23,952	23,491	80	102	236	71,755	148,151	2,065	1,604
31	53	94.545	59.592,709	1.393.526,437	23,384	22,923	81	103	129	38,702	76,396	1,974	1,513
32	54	94.172	58.480,425	1.333.933,728	22,810	22,349	82	104	68	19,953	37,694	1,889	1,428
33	55	93.768	57.368,742	1.275.453,303	22,233	21,772	83	105	34	9,777	17,741	1,815	1,354
34	56	93.331	56.257,498	1.218.084,561	21,652	21,191	84	106					
35	57	92.868	55.150,862	1.161.827,063	21,066	20,606	85	107					
36	58	92.356	54.036,711	1.106.676,201	20,480	20,019	86	108					
37	59	91.808	52.921,955	1.052.639,490	19,890	19,430	87	109					
38	60	91.231	51.812,118	999.717,535	19,295	18,834	88	110					
39	61	90.604	50.695,496	947.905,417	18,698	18,237	89	111					
40	62	89.955	49.588,688	897.209,921	18,093	17,632	90	112					
41	63	89.235	48.464,796	847.621,233	17,489	17,029	91						
42	64	88.459	47.333,700	799.156,436	16,883	16,423	92						
43	65	87.619	46.191,058	751.822,737	16,276	15,816	93						
44	66	86.688	45.025,010	705.631,679	15,672	15,211	94						
45	67	85.673	43.839,937	660.606,669	15,069	14,608	95						
46	68	84.541	42.621,455	616.766,732	14,471	14,010	96						
47	69	83.290	41.370,400	574.145,277	13,878	13,417	97						
48	70	81.919	40.088,188	532.774,877	13,290	12,829	98						
49	71	80.425	38.775,429	492.686,689	12,706	12,245	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -23 Jahre

Zinsfuß 1,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	23	99.241	99.241,437	3.803.763,032	38,328	37,868	50	73	77.346	36.739,812	427.096,105	11,625	11,164
1	24	98.763	97.303,343	3.704.521,595	38,072	37,611	51	74	75.395	35.283,731	390.356,293	11,063	10,603
2	25	98.696	95.800,600	3.607.218,251	37,653	37,193	52	75	73.297	33.795,050	355.072,562	10,507	10,046
3	26	98.652	94.342,605	3.511.417,651	37,220	36,759	53	76	70.978	32.242,131	321.277,513	9,965	9,504
4	27	98.606	92.905,406	3.417.075,046	36,780	36,319	54	77	68.490	30.652,197	289.035,381	9,430	8,969
5	28	98.564	91.493,473	3.324.169,640	36,332	35,872	55	78	65.812	29.018,370	258.383,184	8,904	8,443
6	29	98.522	90.102,257	3.232.676,167	35,878	35,417	56	79	62.899	27.323,866	229.364,814	8,394	7,934
7	30	98.481	88.734,369	3.142.573,910	35,416	34,955	57	80	59.781	25.585,690	202.040,948	7,897	7,436
8	31	98.437	87.383,609	3.053.839,541	34,948	34,487	58	81	56.377	23.772,114	176.455,258	7,423	6,962
9	32	98.390	86.051,239	2.966.455,932	34,473	34,012	59	82	52.727	21.904,477	152.683,144	6,970	6,510
10	33	98.346	84.741,470	2.880.404,693	33,990	33,530	60	83	48.801	19.973,947	130.778,667	6,547	6,087
11	34	98.297	83.447,930	2.795.663,223	33,502	33,041	61	84	44.794	18.062,952	110.804,720	6,134	5,674
12	35	98.237	82.164,294	2.712.215,293	33,010	32,549	62	85	40.699	16.169,323	92.741,768	5,736	5,275
13	36	98.174	80.898,034	2.630.050,999	32,511	32,050	63	86	36.665	14.351,271	76.572,445	5,336	4,875
14	37	98.106	79.647,100	2.549.152,965	32,006	31,545	64	87	32.492	12.530,024	62.221,174	4,966	4,505
15	38	98.028	78.407,462	2.469.505,865	31,496	31,035	65	88	28.210	10.717,811	49.691,150	4,636	4,176
16	39	97.936	77.176,485	2.391.098,403	30,982	30,521	66	89	24.070	9.009,965	38.973,339	4,326	3,865
17	40	97.820	75.945,998	2.313.921,918	30,468	30,007	67	90	20.110	7.416,372	29.963,373	4,040	3,579
18	41	97.685	74.720,656	2.237.975,920	29,951	29,490	68	91	16.463	5.981,463	22.547,002	3,769	3,309
19	42	97.515	73.487,858	2.163.255,264	29,437	28,976	69	92	13.061	4.675,502	16.565,538	3,543	3,082
20	43	97.327	72.262,155	2.089.767,406	28,919	28,458	70	93	10.111	3.566,037	11.890,036	3,334	2,873
21	44	97.126	71.047,773	2.017.505,252	28,396	27,936	71	94	7.623	2.648,631	8.323,999	3,143	2,682
22	45	96.915	69.845,561	1.946.457,478	27,868	27,407	72	95	5.588	1.912,821	5.675,368	2,967	2,506
23	46	96.689	68.652,421	1.876.611,917	27,335	26,874	73	96	3.974	1.340,425	3.762,547	2,807	2,346
24	47	96.443	67.466,333	1.807.959,496	26,798	26,337	74	97	2.740	910,366	2.422,122	2,661	2,200
25	48	96.186	66.291,900	1.740.493,163	26,255	25,794	75	98	1.828	598,388	1.511,756	2,526	2,066
26	49	95.912	65.126,087	1.674.201,263	25,707	25,246	76	99	1.179	380,121	913,368	2,403	1,942
27	50	95.613	63.963,431	1.609.075,176	25,156	24,695	77	100	734	233,090	533,247	2,288	1,827
28	51	95.303	62.813,982	1.545.111,746	24,598	24,137	78	101	440	137,614	300,157	2,181	1,720
29	52	94.968	61.668,463	1.482.297,764	24,037	23,576	79	102	253	78,028	162,543	2,083	1,622
30	53	94.615	60.530,821	1.420.629,302	23,470	23,009	80	103	140	42,436	84,515	1,992	1,531
31	54	94.247	59.404,542	1.360.098,481	22,896	22,435	81	104	74	22,064	42,079	1,907	1,446
32	55	93.845	58.277,016	1.300.693,939	22,319	21,858	82	105	37	10,951	20,015	1,828	1,367
33	56	93.413	57.151,494	1.242.416,922	21,739	21,278	83	106					
34	57	92.956	56.031,640	1.185.265,428	21,154	20,693	84	107					
35	58	92.453	54.904,719	1.129.233,788	20,567	20,106	85	108					
36	59	91.912	53.776,490	1.074.329,069	19,978	19,517	86	109					
37	60	91.341	52.652,912	1.020.552,579	19,383	18,922	87	110					
38	61	90.729	51.526,931	967.899,668	18,784	18,324	88	111					
39	62	90.094	50.410,215	916.372,737	18,178	17,718	89	112					
40	63	89.389	49.276,632	865.962,522	17,573	17,113	90						
41	64	88.628	48.135,147	816.685,890	16,967	16,506	91						
42	65	87.813	46.987,557	768.550,743	16,356	15,896	92						
43	66	86.903	45.813,798	721.563,186	15,750	15,289	93						
44	67	85.903	44.617,237	675.749,388	15,145	14,685	94						
45	68	84.802	43.394,304	631.132,151	14,544	14,083	95						
46	69	83.574	42.133,970	587.737,847	13,949	13,488	96						
47	70	82.228	40.842,589	545.603,877	13,359	12,898	97						
48	71	80.755	39.518,393	504.761,288	12,773	12,312	98						
49	72	79.121	38.146,791	465.242,896	12,196	11,735	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -24 Jahre

Zinsfuß 1,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	24	99.216	99.215,545	3.767.194,014	37,970	37,509	50	74	75.770	35.991,335	400.142,409	11,118	10,657
1	25	98.736	97.276,908	3.667.978,469	37,707	37,246	51	75	73.679	34.480,612	364.151,073	10,561	10,100
2	26	98.672	95.777,027	3.570.701,561	37,281	36,821	52	76	71.397	32.918,827	329.670,461	10,015	9,554
3	27	98.624	94.316,193	3.474.924,534	36,843	36,383	53	77	68.923	31.308,775	296.751,633	9,478	9,017
4	28	98.578	92.878,331	3.380.608,341	36,398	35,937	54	78	66.262	29.655,005	265.442,858	8,951	8,490
5	29	98.535	91.466,316	3.287.730,011	35,945	35,484	55	79	63.373	27.942,888	235.787,854	8,438	7,977
6	30	98.493	90.075,883	3.196.263,695	35,484	35,023	56	80	60.253	26.174,456	207.844,966	7,941	7,480
7	31	98.449	88.705,316	3.106.187,812	35,017	34,556	57	81	56.869	24.339,299	181.670,510	7,464	7,003
8	32	98.402	87.352,395	3.017.482,496	34,544	34,083	58	82	53.234	22.446,964	157.331,210	7,009	6,548
9	33	98.355	86.020,642	2.930.130,101	34,063	33,602	59	83	49.319	20.488,919	134.884,246	6,583	6,122
10	34	98.307	84.707,609	2.844.109,460	33,576	33,115	60	84	45.304	18.542,656	114.395,327	6,169	5,709
11	35	98.251	83.408,808	2.759.401,851	33,083	32,622	61	85	41.194	16.611,385	95.852,671	5,770	5,310
12	36	98.187	82.122,229	2.675.993,042	32,585	32,125	62	86	37.166	14.765,427	79.241,286	5,367	4,906
13	37	98.118	80.852,290	2.593.870,813	32,082	31,621	63	87	32.969	12.904,456	64.475,859	4,996	4,536
14	38	98.046	79.598,259	2.513.018,523	31,571	31,110	64	88	28.662	11.053,014	51.571,403	4,666	4,205
15	39	97.959	78.352,615	2.433.420,264	31,057	30,596	65	89	24.499	9.308,129	40.518,389	4,353	3,892
16	40	97.857	77.114,724	2.355.067,650	30,540	30,079	66	90	20.503	7.674,465	31.210,259	4,067	3,606
17	41	97.735	75.879,926	2.277.952,926	30,020	29,560	67	91	16.823	6.204,077	23.535,794	3,794	3,333
18	42	97.589	74.646,796	2.202.073,000	29,500	29,039	68	92	13.378	4.860,537	17.331,717	3,566	3,105
19	43	97.405	73.405,208	2.127.426,204	28,982	28,521	69	93	10.379	3.715,201	12.471,180	3,357	2,896
20	44	97.200	72.168,357	2.054.020,996	28,462	28,001	70	94	7.846	2.767,278	8.755,979	3,164	2,703
21	45	96.991	70.948,874	1.981.852,639	27,934	27,473	71	95	5.769	2.004,641	5.988,701	2,987	2,527
22	46	96.761	69.734,785	1.910.903,765	27,402	26,942	72	96	4.119	1.410,177	3.984,060	2,825	2,364
23	47	96.515	68.529,123	1.841.168,980	26,867	26,406	73	97	2.850	961,305	2.573,883	2,677	2,217
24	48	96.256	67.335,135	1.772.639,857	26,326	25,865	74	98	1.909	634,293	1.612,578	2,542	2,082
25	49	95.982	66.151,365	1.705.304,722	25,779	25,318	75	99	1.236	404,527	978,285	2,418	1,958
26	50	95.681	64.969,346	1.639.153,356	25,230	24,769	76	100	772	249,008	573,758	2,304	1,843
27	51	95.371	63.801,819	1.574.184,010	24,673	24,212	77	101	465	147,766	324,750	2,198	1,737
28	52	95.038	62.639,532	1.510.382,191	24,112	23,651	78	102	269	84,317	176,984	2,099	1,638
29	53	94.681	61.482,026	1.447.742,659	23,547	23,087	79	103	150	46,146	92,667	2,008	1,547
30	54	94.316	60.339,692	1.386.260,633	22,974	22,513	80	104	80	24,193	46,521	1,923	1,462
31	55	93.919	59.197,919	1.325.920,941	22,398	21,937	81	105	40	12,110	22,328	1,844	1,383
32	56	93.490	58.056,330	1.266.723,022	21,819	21,358	82	106					
33	57	93.038	56.922,047	1.208.666,693	21,234	20,773	83	107					
34	58	92.541	55.781,566	1.151.744,646	20,647	20,187	84	108					
35	59	92.008	54.640,318	1.095.963,080	20,058	19,597	85	109					
36	60	91.444	53.503,102	1.041.322,762	19,463	19,002	86	110					
37	61	90.838	52.363,097	987.819,660	18,865	18,404	87	111					
38	62	90.218	51.236,971	935.456,563	18,257	17,797	88	112					
39	63	89.527	50.092,989	884.219,593	17,652	17,191	89						
40	64	88.781	48.941,460	834.126,604	17,043	16,583	90						
41	65	87.980	47.783,143	785.185,144	16,432	15,971	91						
42	66	87.095	46.603,792	737.402,000	15,823	15,362	92						
43	67	86.116	45.398,882	690.798,208	15,216	14,755	93						
44	68	85.030	44.163,703	645.399,327	14,614	14,153	94						
45	69	83.832	42.897,979	601.235,624	14,015	13,555	95						
46	70	82.508	41.596,417	558.337,645	13,423	12,962	96						
47	71	81.059	40.262,071	516.741,228	12,834	12,374	97						
48	72	79.446	38.877,710	476.479,156	12,256	11,795	98						
49	73	77.695	37.459,038	437.601,447	11,682	11,221	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -25 Jahre

Zinsfuß 1,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	25	99.189	99.188,590	3.729.686,770	37,602	37,141	50	75	74.046	35.172,111	373.149,812	10,609	10,148
1	26	98.712	97.252,971	3.630.498,180	37,330	36,870	51	76	71.769	33.586,615	337.977,701	10,063	9,602
2	27	98.644	95.750,213	3.533.245,208	36,901	36,440	52	77	69.330	31.965,882	304.391,086	9,522	9,062
3	28	98.596	94.288,706	3.437.494,995	36,457	35,996	53	78	66.681	30.290,222	272.425,204	8,994	8,533
4	29	98.548	92.850,762	3.343.206,289	36,006	35,545	54	79	63.806	28.555,927	242.134,982	8,479	8,019
5	30	98.506	91.439,543	3.250.355,527	35,546	35,086	55	80	60.707	26.767,438	213.579,055	7,979	7,518
6	31	98.461	90.046,391	3.158.915,984	35,081	34,620	56	81	57.317	24.899,384	186.811,617	7,503	7,042
7	32	98.414	88.673,630	3.068.869,593	34,609	34,148	57	82	53.699	22.982,532	161.912,232	7,045	6,584
8	33	98.367	87.321,334	2.980.195,963	34,129	33,668	58	83	49.794	20.996,349	138.929,700	6,617	6,156
9	34	98.316	85.986,270	2.892.874,629	33,643	33,183	59	84	45.785	19.020,726	117.933,351	6,200	5,739
10	35	98.261	84.667,896	2.806.888,359	33,152	32,691	60	85	41.663	17.052,539	98.912,626	5,800	5,340
11	36	98.201	83.366,107	2.722.220,463	32,654	32,193	61	86	37.617	15.169,108	81.860,086	5,396	4,936
12	37	98.131	82.075,792	2.638.854,356	32,151	31,691	62	87	33.419	13.276,859	66.690,978	5,023	4,562
13	38	98.058	80.802,710	2.556.778,564	31,642	31,181	63	88	29.082	11.383,309	53.414,119	4,692	4,232
14	39	97.977	79.542,579	2.475.975,854	31,128	30,667	64	89	24.892	9.599,244	42.030,810	4,379	3,918
15	40	97.881	78.289,912	2.396.433,275	30,610	30,149	65	90	20.868	7.928,434	32.431,566	4,091	3,630
16	41	97.772	77.047,635	2.318.143,363	30,087	29,626	66	91	17.151	6.419,982	24.503,133	3,817	3,356
17	42	97.638	75.804,920	2.241.095,728	29,564	29,103	67	92	13.670	5.041,433	18.083,150	3,587	3,126
18	43	97.479	74.562,842	2.165.290,808	29,040	28,579	68	93	10.630	3.862,232	13.041,717	3,377	2,916
19	44	97.279	73.309,927	2.090.727,965	28,519	28,058	69	94	8.054	2.883,030	9.179,485	3,184	2,723
20	45	97.065	72.067,898	2.017.418,039	27,993	27,532	70	95	5.939	2.094,440	6.296,455	3,006	2,545
21	46	96.837	70.836,349	1.945.350,141	27,463	27,002	71	96	4.253	1.477,869	4.202,015	2,843	2,382
22	47	96.588	69.609,543	1.874.513,792	26,929	26,468	72	97	2.954	1.011,329	2.724,146	2,694	2,233
23	48	96.327	68.395,858	1.804.904,249	26,389	25,928	73	98	1.986	669,785	1.712,818	2,557	2,096
24	49	96.052	67.192,389	1.736.508,391	25,844	25,383	74	99	1.290	428,800	1.043,033	2,432	1,972
25	50	95.751	65.992,157	1.669.316,002	25,296	24,835	75	100	809	264,995	614,233	2,318	1,857
26	51	95.439	64.805,193	1.603.323,845	24,741	24,280	76	101	489	157,858	349,238	2,212	1,752
27	52	95.106	63.624,626	1.538.518,652	24,181	23,720	77	102	285	90,537	191,380	2,114	1,653
28	53	94.751	62.450,160	1.474.894,026	23,617	23,156	78	103	159	49,865	100,843	2,022	1,562
29	54	94.382	61.287,894	1.412.443,867	23,046	22,585	79	104	85	26,308	50,978	1,938	1,477
30	55	93.988	60.129,816	1.351.155,973	22,471	22,010	80	105	44	13,278	24,671	1,858	1,397
31	56	93.563	58.973,745	1.291.026,156	21,892	21,431	81	106					
32	57	93.114	57.823,250	1.232.052,412	21,307	20,846	82	107					
33	58	92.623	56.667,999	1.174.229,162	20,721	20,260	83	108					
34	59	92.096	55.512,942	1.117.561,163	20,132	19,671	84	109					
35	60	91.540	54.362,538	1.062.048,220	19,536	19,076	85	110					
36	61	90.941	53.208,607	1.007.685,682	18,938	18,478	86	111					
37	62	90.327	52.068,431	954.477,075	18,331	17,870	87	112					
38	63	89.650	50.914,542	902.408,644	17,724	17,263	88						
39	64	88.918	49.752,264	851.494,102	17,115	16,654	89						
40	65	88.131	48.583,560	801.741,838	16,502	16,042	90						
41	66	87.261	47.392,880	753.158,277	15,892	15,431	91						
42	67	86.307	46.181,721	705.765,397	15,282	14,822	92						
43	68	85.241	44.937,403	659.583,676	14,678	14,217	93						
44	69	84.057	43.658,578	614.646,274	14,078	13,618	94						
45	70	82.762	42.350,679	570.987,696	13,482	13,022	95						
46	71	81.335	41.005,185	528.637,017	12,892	12,431	96						
47	72	79.745	39.609,332	487.631,832	12,311	11,850	97						
48	73	78.013	38.176,779	448.022,501	11,735	11,275	98						
49	74	76.112	36.695,909	409.845,721	11,169	10,708	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 1 Jahr

Zinsfuß 1,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	49	91.859	43.633,451	902.418,950	20,682	20,221
1	0	99.544	98.072,680	4.276.100,342	43,601	43,141	51	50	91.184	42.672,650	858.785,498	20,125	19,664
2	1	99.126	96.217,570	4.178.027,662	43,423	42,962	52	51	90.482	41.718,535	816.112,848	19,562	19,102
3	2	99.070	94.742,607	4.081.810,092	43,083	42,622	53	52	89.702	40.747,466	774.394,313	19,005	18,544
4	3	99.033	93.306,990	3.987.067,485	42,731	42,270	54	53	88.868	39.772,345	733.646,847	18,446	17,985
5	4	99.002	91.899,964	3.893.760,494	42,370	41,909	55	54	87.986	38.795,624	693.874,501	17,885	17,425
6	5	98.976	90.517,746	3.801.860,530	42,001	41,540	56	55	87.024	37.804,230	655.078,877	17,328	16,867
7	6	98.952	89.157,995	3.711.342,784	41,627	41,166	57	56	86.015	36.813,925	617.274,647	16,767	16,307
8	7	98.930	87.821,449	3.622.184,790	41,245	40,784	58	57	84.929	35.811,687	580.460,722	16,209	15,748
9	8	98.910	86.505,773	3.534.363,340	40,857	40,396	59	58	83.744	34.790,239	544.649,035	15,655	15,194
10	9	98.891	85.211,207	3.447.857,567	40,462	40,002	60	59	82.465	33.752,490	509.858,796	15,106	14,645
11	10	98.875	83.938,615	3.362.646,361	40,061	39,600	61	60	81.122	32.712,152	476.106,306	14,554	14,094
12	11	98.853	82.679,242	3.278.707,746	39,656	39,195	62	61	79.706	31.666,351	443.394,154	14,002	13,541
13	12	98.831	81.439,106	3.196.028,504	39,244	38,784	63	62	78.190	30.604,940	411.727,803	13,453	12,992
14	13	98.809	80.218,355	3.114.589,398	38,826	38,366	64	63	76.575	29.529,912	381.122,862	12,906	12,446
15	14	98.782	79.010,625	3.034.371,043	38,405	37,944	65	64	74.854	28.439,596	351.592,951	12,363	11,902
16	15	98.747	77.815,550	2.955.360,417	37,979	37,518	66	65	73.005	27.327,289	323.153,355	11,825	11,365
17	16	98.691	76.622,510	2.877.544,867	37,555	37,094	67	66	71.024	26.192,582	295.826,066	11,294	10,833
18	17	98.620	75.435,916	2.800.922,357	37,130	36,669	68	67	68.873	25.024,040	269.633,483	10,775	10,314
19	18	98.524	74.248,387	2.725.486,441	36,708	36,247	69	68	66.561	23.826,719	244.609,443	10,266	9,805
20	19	98.416	73.071,183	2.651.238,054	36,283	35,822	70	69	64.105	22.608,508	220.782,724	9,765	9,305
21	20	98.314	71.916,640	2.578.166,871	35,849	35,389	71	70	61.483	21.363,091	198.174,217	9,276	8,816
22	21	98.206	70.775,914	2.506.250,231	35,411	34,950	72	71	58.700	20.094,847	176.811,125	8,799	8,338
23	22	98.108	69.660,343	2.435.474,317	34,962	34,501	73	72	55.716	18.791,224	156.716,278	8,340	7,879
24	23	98.009	68.561,443	2.365.813,973	34,506	34,046	74	73	52.589	17.474,648	137.925,054	7,893	7,432
25	24	97.912	67.481,597	2.297.252,531	34,043	33,582	75	74	49.330	16.149,617	120.450,406	7,458	6,998
26	25	97.814	66.417,652	2.229.770,934	33,572	33,111	76	75	45.979	14.829,888	104.300,789	7,033	6,572
27	26	97.720	65.373,222	2.163.353,282	33,092	32,632	77	76	42.552	13.521,935	89.470,901	6,617	6,156
28	27	97.623	64.343,037	2.097.980,060	32,606	32,145	78	77	39.059	12.228,359	75.948,967	6,211	5,750
29	28	97.522	63.327,098	2.033.637,023	32,113	31,652	79	78	35.494	10.948,168	63.720,608	5,820	5,359
30	29	97.425	62.328,841	1.970.309,925	31,612	31,151	80	79	31.903	9.694,930	52.772,440	5,443	4,983
31	30	97.325	61.344,901	1.907.981,084	31,103	30,642	81	80	28.289	8.469,848	43.077,510	5,086	4,625
32	31	97.217	60.370,827	1.846.636,183	30,588	30,127	82	81	24.702	7.286,412	34.607,661	4,750	4,289
33	32	97.102	59.408,690	1.786.265,356	30,067	29,607	83	82	21.136	6.142,300	27.321,250	4,448	3,987
34	33	96.983	58.458,592	1.726.856,666	29,540	29,079	84	83	17.755	5.083,680	21.178,950	4,166	3,705
35	34	96.851	57.516,672	1.668.398,074	29,007	28,546	85	84	14.665	4.136,956	16.095,270	3,891	3,430
36	35	96.705	56.580,832	1.610.881,402	28,470	28,010	86	85	11.920	3.312,708	11.958,315	3,610	3,149
37	36	96.546	55.653,229	1.554.300,570	27,928	27,468	87	86	9.443	2.585,581	8.645,606	3,344	2,883
38	37	96.375	54.733,557	1.498.647,341	27,381	26,920	88	87	7.216	1.946,578	6.060,025	3,113	2,652
39	38	96.183	53.817,358	1.443.913,785	26,830	26,369	89	88	5.312	1.411,758	4.113,447	2,914	2,453
40	39	95.968	52.903,274	1.390.096,427	26,276	25,815	90	89	3.784	990,768	2.701,688	2,727	2,266
41	40	95.726	51.990,050	1.337.193,153	25,720	25,259	91	90	2.598	670,131	1.710,920	2,553	2,092
42	41	95.461	51.079,942	1.285.203,103	25,161	24,700	92	91	1.711	434,829	1.040,789	2,394	1,933
43	42	95.156	50.164,436	1.234.123,161	24,602	24,141	93	92	1.071	268,082	605,960	2,260	1,800
44	43	94.814	49.245,294	1.183.958,725	24,042	23,581	94	93	640	157,895	337,878	2,140	1,679
45	44	94.436	48.324,558	1.134.713,432	23,481	23,020	95	94	365	88,620	179,983	2,031	1,570
46	45	94.015	47.397,832	1.086.388,873	22,921	22,460	96	95	197	47,279	91,363	1,932	1,472
47	46	93.547	46.465,057	1.038.991,041	22,361	21,900	97	96	101	23,916	44,084	1,843	1,382
48	47	93.029	45.524,895	992.525,984	21,802	21,341	98	97	49	11,442	20,168	1,763	1,302
49	48	92.469	44.582,140	947.001,090	21,242	20,781	99	98	23	5,165	8,726	1,690	1,229
							100	99	10	2,194	3,561	1,623	1,163

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 2 Jahre

Zinsfuß 1,50%

Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	48	92.054	43.726,148	912.438,047	20,867	20,406
1							51	49	91.404	42.775,599	868.711,899	20,309	19,848
2	0	99.504	96.584,295	4.189.645,531	43,378	42,917	52	50	90.711	41.824,209	825.936,300	19,748	19,287
3	1	99.106	94.776,550	4.093.061,236	43,186	42,726	53	51	89.952	40.860,947	784.112,091	19,190	18,729
4	2	99.052	93.325,442	3.998.284,686	42,842	42,382	54	52	89.138	39.892,950	743.251,144	18,631	18,170
5	3	99.019	91.915,741	3.904.959,244	42,484	42,023	55	53	88.265	38.918,511	703.358,194	18,073	17,612
6	4	98.989	90.529,438	3.813.043,502	42,119	41,659	56	54	87.328	37.936,181	664.439,683	17,515	17,054
7	5	98.964	89.169,651	3.722.514,064	41,746	41,286	57	55	86.342	36.953,864	626.503,502	16,954	16,493
8	6	98.939	87.829,542	3.633.344,413	41,368	40,907	58	56	85.271	35.956,041	589.549,638	16,396	15,936
9	7	98.918	86.513,308	3.545.514,871	40,982	40,522	59	57	84.119	34.946,207	553.593,597	15,841	15,381
10	8	98.901	85.219,387	3.459.001,563	40,589	40,129	60	58	82.864	33.915,816	518.647,390	15,292	14,831
11	9	98.882	83.944,039	3.373.782,176	40,191	39,730	61	59	81.536	32.879,303	484.731,574	14,743	14,282
12	10	98.861	82.686,195	3.289.838,137	39,787	39,326	62	60	80.147	31.841,615	451.852,270	14,191	13,730
13	11	98.840	81.446,744	3.207.151,942	39,377	38,916	63	61	78.633	30.778,140	420.010,655	13,646	13,186
14	12	98.818	80.225,169	3.125.705,198	38,962	38,501	64	62	77.060	29.716,917	389.232,516	13,098	12,637
15	13	98.791	79.018,282	3.045.480,029	38,541	38,081	65	63	75.367	28.634,362	359.515,599	12,555	12,095
16	14	98.758	77.824,619	2.966.461,748	38,117	37,656	66	64	73.543	27.528,601	330.881,236	12,020	11,559
17	15	98.709	76.636,203	2.888.637,129	37,693	37,232	67	65	71.609	26.408,268	303.352,635	11,487	11,026
18	16	98.641	75.451,895	2.812.000,927	37,269	36,808	68	66	69.502	25.252,744	276.944,367	10,967	10,506
19	17	98.546	74.264,727	2.736.549,032	36,849	36,388	69	67	67.245	24.071,405	251.691,623	10,456	9,995
20	18	98.445	73.092,204	2.662.284,305	36,424	35,963	70	68	64.847	22.870,086	227.620,218	9,953	9,492
21	19	98.341	71.936,581	2.589.192,101	35,993	35,532	71	69	62.277	21.639,168	204.750,133	9,462	9,001
22	20	98.237	70.798,277	2.517.255,520	35,555	35,095	72	70	59.547	20.384,584	183.110,965	8,983	8,522
23	21	98.132	69.677,391	2.446.457,244	35,111	34,650	73	71	56.634	19.100,893	162.726,381	8,519	8,059
24	22	98.035	68.580,010	2.376.779,852	34,657	34,196	74	72	53.555	17.795,485	143.625,488	8,071	7,610
25	23	97.938	67.499,208	2.308.199,842	34,196	33,735	75	73	50.356	16.485,465	125.830,003	7,633	7,172
26	24	97.840	66.435,701	2.240.700,634	33,727	33,267	76	74	47.050	15.175,304	109.344,538	7,205	6,745
27	25	97.744	65.389,312	2.174.264,933	33,251	32,790	77	75	43.685	13.881,857	94.169,234	6,784	6,323
28	26	97.650	64.361,055	2.108.875,621	32,766	32,306	78	76	40.223	12.592,902	80.287,378	6,376	5,915
29	27	97.551	63.345,559	2.044.514,566	32,276	31,815	79	77	36.688	11.316,317	67.694,475	5,982	5,521
30	28	97.454	62.347,347	1.981.169,007	31,776	31,316	80	78	33.131	10.068,074	56.378,159	5,600	5,139
31	29	97.354	61.362,863	1.918.821,660	31,270	30,809	81	79	29.532	8.841,788	46.310,085	5,238	4,777
32	30	97.248	60.390,600	1.857.458,797	30,757	30,297	82	80	25.967	7.659,541	37.468,297	4,892	4,431
33	31	97.137	59.429,919	1.797.068,198	30,238	29,778	83	81	22.383	6.504,909	29.808,755	4,583	4,122
34	32	97.017	58.479,386	1.737.638,279	29,714	29,253	84	82	18.982	5.434,906	23.303,846	4,288	3,827
35	33	96.890	57.539,664	1.679.158,893	29,183	28,722	85	83	15.797	4.456,284	17.868,941	4,010	3,549
36	34	96.750	56.607,371	1.621.619,229	28,647	28,186	86	84	12.961	3.602,185	13.412,657	3,723	3,263
37	35	96.595	55.681,735	1.565.011,859	28,106	27,646	87	85	10.341	2.831,418	9.810,472	3,465	3,004
38	36	96.429	54.764,524	1.509.330,123	27,560	27,100	88	86	8.025	2.164,824	6.979,053	3,224	2,763
39	37	96.242	53.850,380	1.454.565,600	27,011	26,550	89	87	6.022	1.600,411	4.814,230	3,008	2,547
40	38	96.035	52.940,306	1.400.715,220	26,458	25,998	90	88	4.357	1.140,817	3.213,818	2,817	2,356
41	39	95.802	52.031,689	1.347.774,913	25,903	25,442	91	89	3.050	786,746	2.073,002	2,635	2,174
42	40	95.544	51.124,419	1.295.743,224	25,345	24,884	92	90	2.045	519,796	1.286,256	2,475	2,014
43	41	95.250	50.214,072	1.244.618,805	24,786	24,325	93	91	1.317	329,907	766,460	2,323	1,862
44	42	94.920	49.300,741	1.194.404,734	24,227	23,766	94	92	805	198,708	436,554	2,197	1,736
45	43	94.559	48.387,366	1.145.103,993	23,665	23,205	95	93	470	114,200	237,846	2,083	1,622
46	44	94.146	47.463,902	1.096.716,627	23,106	22,646	96	94	261	62,467	123,646	1,979	1,519
47	45	93.696	46.538,868	1.049.252,725	22,546	22,085	97	95	137	32,441	61,179	1,886	1,425
48	46	93.197	45.606,804	1.002.713,856	21,986	21,525	98	96	69	15,955	28,738	1,801	1,340
49	47	92.649	44.669,005	957.107,053	21,427	20,966	99	97	32	7,412	12,783	1,725	1,264
							100	98	14	3,245	5,371	1,655	1,194

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 3 Jahre

Zinsfuß 1,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	47	92.234	43.811,346	921.739,718	21,039	20,578
1							51	48	91.598	42.866,473	877.928,373	20,481	20,020
2							52	49	90.930	41.925,111	835.061,899	19,918	19,457
3	0	99.484	95.137,783	4.103.850,425	43,136	42,675	53	50	90.179	40.964,449	793.136,788	19,362	18,901
4	1	99.088	93.358,878	4.008.712,643	42,939	42,478	54	51	89.386	40.004,051	752.172,339	18,802	18,342
5	2	99.039	91.933,918	3.915.353,765	42,589	42,128	55	52	88.533	39.036,527	712.168,288	18,244	17,783
6	3	99.006	90.544,980	3.823.419,847	42,227	41,766	56	53	87.604	38.056,345	673.131,762	17,688	17,227
7	4	98.977	89.181,169	3.732.874,867	41,857	41,396	57	54	86.644	37.082,847	635.075,416	17,126	16,665
8	5	98.952	87.841,025	3.643.693,698	41,481	41,020	58	55	85.595	36.092,719	597.992,569	16,568	16,107
9	6	98.928	86.521,280	3.555.852,672	41,098	40,637	59	56	84.459	35.087,072	561.899,850	16,014	15,554
10	7	98.909	85.226,809	3.469.331,392	40,707	40,246	60	57	83.235	34.067,864	526.812,778	15,464	15,003
11	8	98.891	83.952,098	3.384.104,583	40,310	39,849	61	58	81.931	33.038,404	492.744,914	14,914	14,454
12	9	98.868	82.691,539	3.300.152,485	39,909	39,448	62	59	80.557	32.004,318	459.706,510	14,364	13,903
13	10	98.848	81.453,593	3.217.460,947	39,501	39,040	63	60	79.068	30.948,488	427.702,192	13,820	13,359
14	11	98.827	80.232,693	3.136.007,353	39,086	38,626	64	61	77.496	29.885,091	396.753,704	13,276	12,815
15	12	98.800	79.024,993	3.055.774,661	38,668	38,208	65	62	75.844	28.815,696	366.868,613	12,732	12,271
16	13	98.768	77.832,160	2.976.749,668	38,246	37,785	66	63	74.047	27.717,128	338.052,917	12,197	11,736
17	14	98.720	76.645,134	2.898.917,508	37,823	37,362	67	64	72.136	26.602,810	310.335,789	11,666	11,205
18	15	98.659	75.465,378	2.822.272,374	37,398	36,937	68	65	70.075	25.460,691	283.732,979	11,144	10,683
19	16	98.567	74.280,457	2.746.806,996	36,979	36,518	69	66	67.859	24.291,402	258.272,288	10,632	10,171
20	17	98.466	73.108,289	2.672.526,538	36,556	36,095	70	67	65.513	23.104,947	233.980,886	10,127	9,666
21	18	98.370	71.957,275	2.599.418,249	36,124	35,664	71	68	62.998	21.889,531	210.875,939	9,634	9,173
22	19	98.264	70.817,908	2.527.460,974	35,690	35,229	72	69	60.316	20.648,015	188.986,408	9,153	8,692
23	20	98.163	69.699,406	2.456.643,066	35,246	34,785	73	70	57.450	19.376,299	168.338,393	8,688	8,227
24	21	98.059	68.596,794	2.386.943,660	34,797	34,336	74	71	54.437	18.088,744	148.962,094	8,235	7,774
25	22	97.964	67.517,488	2.318.346,866	34,337	33,876	75	72	51.281	16.788,140	130.873,350	7,796	7,335
26	23	97.866	66.453,039	2.250.829,379	33,871	33,410	76	73	48.028	15.490,890	114.085,209	7,365	6,904
27	24	97.771	65.407,082	2.184.376,340	33,397	32,936	77	74	44.703	14.205,191	98.594,320	6,941	6,480
28	25	97.674	64.376,896	2.118.969,258	32,915	32,454	78	75	41.294	12.928,096	84.389,128	6,528	6,067
29	26	97.578	63.363,298	2.054.592,361	32,426	31,965	79	76	37.782	11.653,671	71.461,033	6,132	5,671
30	27	97.482	62.365,522	1.991.229,064	31,928	31,468	80	77	34.245	10.406,627	59.807,362	5,747	5,286
31	28	97.383	61.381,082	1.928.863,541	31,424	30,964	81	78	30.668	9.182,096	49.400,734	5,380	4,919
32	29	97.277	60.408,282	1.867.482,459	30,914	30,454	82	79	27.107	7.995,898	40.218,638	5,030	4,569
33	30	97.169	59.449,384	1.807.074,178	30,397	29,936	83	80	23.529	6.838,019	32.222,740	4,712	4,251
34	31	97.052	58.500,282	1.747.624,794	29,874	29,413	84	81	20.102	5.755,754	25.384,721	4,410	3,950
35	32	96.924	57.560,131	1.689.124,511	29,345	28,885	85	82	16.889	4.764,164	19.628,968	4,120	3,659
36	33	96.789	56.629,999	1.631.564,381	28,811	28,350	86	83	13.962	3.880,235	14.864,804	3,831	3,370
37	34	96.641	55.707,852	1.574.934,382	28,271	27,811	87	84	11.244	3.078,838	10.984,569	3,568	3,107
38	35	96.479	54.792,575	1.519.226,530	27,727	27,266	88	85	8.788	2.370,655	7.905,730	3,335	2,874
39	36	96.296	53.880,848	1.464.433,955	27,179	26,718	89	86	6.697	1.779,845	5.535,075	3,110	2,649
40	37	96.094	52.972,790	1.410.553,107	26,628	26,167	90	87	4.939	1.293,264	3.755,230	2,904	2,443
41	38	95.869	52.068,111	1.357.580,317	26,073	25,612	91	88	3.511	905,896	2.461,967	2,718	2,257
42	39	95.620	51.165,365	1.305.512,206	25,516	25,055	92	89	2.401	610,250	1.556,071	2,550	2,089
43	40	95.333	50.257,795	1.254.346,841	24,958	24,497	93	90	1.575	394,371	945,821	2,398	1,938
44	41	95.014	49.349,522	1.204.089,046	24,399	23,938	94	91	991	244,533	551,450	2,255	1,794
45	42	94.666	48.441,847	1.154.739,524	23,838	23,377	95	92	591	143,718	306,917	2,136	1,675
46	43	94.268	47.525,591	1.106.297,676	23,278	22,817	96	93	336	80,498	163,199	2,027	1,567
47	44	93.826	46.603,741	1.058.772,085	22,719	22,258	97	94	182	42,862	82,700	1,929	1,469
48	45	93.345	45.679,251	1.012.168,344	22,158	21,697	98	95	93	21,642	39,838	1,841	1,380
49	46	92.816	44.749,374	966.489,093	21,598	21,137	99	96	45	10,336	18,196	1,761	1,300
							100	97	21	4,657	7,861	1,688	1,227

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 4 Jahre

Zinsfuß 1,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	46	92.399	43.890,172	930.358,619	21,197	20,737
1							51	47	91.776	42.949,996	886.468,447	20,640	20,179
2							52	48	91.123	42.014,178	843.518,451	20,077	19,616
3							53	49	90.397	41.063,277	801.504,273	19,519	19,058
4	0	99.465	93.714,707	4.018.716,061	42,882	42,422	54	50	89.613	40.105,382	760.440,996	18,961	18,500
5	1	99.074	91.966,855	3.925.001,355	42,678	42,218	55	51	88.779	39.145,243	720.335,614	18,402	17,941
6	2	99.025	90.562,885	3.833.034,500	42,325	41,864	56	52	87.870	38.171,746	681.190,371	17,845	17,385
7	3	98.994	89.196,480	3.742.471,614	41,958	41,497	57	53	86.918	37.200,309	643.018,625	17,285	16,825
8	4	98.965	87.852,372	3.653.275,135	41,584	41,123	58	54	85.894	36.218,696	605.818,316	16,727	16,266
9	5	98.940	86.532,592	3.565.422,763	41,203	40,742	59	55	84.780	35.220,447	569.599,620	16,172	15,712
10	6	98.918	85.234,663	3.478.890,171	40,815	40,355	60	56	83.571	34.205,188	534.379,173	15,623	15,162
11	7	98.900	83.959,410	3.393.655,508	40,420	39,959	61	57	82.298	33.186,518	503.173,985	15,072	14,611
12	8	98.877	82.699,477	3.309.696,098	40,021	39,560	62	58	80.947	32.159,185	466.987,467	14,521	14,060
13	9	98.855	81.458,857	3.226.996,621	39,615	39,154	63	59	79.472	31.106,627	434.828,282	13,979	13,518
14	10	98.835	80.239,440	3.145.537,764	39,202	38,741	64	60	77.925	30.050,496	403.721,654	13,435	12,974
15	11	98.809	79.032,405	3.065.298,324	38,785	38,325	65	61	76.273	28.978,770	373.671,158	12,895	12,434
16	12	98.776	77.838,771	2.986.265,919	38,365	37,904	66	62	74.516	27.892,654	344.692,388	12,358	11,897
17	13	98.730	76.652,561	2.908.427,148	37,943	37,482	67	63	72.630	26.784,997	316.799,734	11,828	11,367
18	14	98.670	75.474,173	2.831.774,588	37,520	37,059	68	64	70.591	25.648,252	290.014,737	11,307	10,847
19	15	98.584	74.293,732	2.756.300,415	37,100	36,639	69	65	68.418	24.491,433	264.366,485	10,794	10,333
20	16	98.487	73.123,775	2.682.006,684	36,678	36,217	70	66	66.112	23.316,112	239.875,053	10,288	9,827
21	17	98.391	71.973,111	2.608.882,909	36,248	35,787	71	67	63.645	22.114,323	216.558,941	9,793	9,332
22	18	98.293	70.838,280	2.536.909,798	35,813	35,352	72	68	61.014	20.886,911	194.444,618	9,309	8,849
23	19	98.190	69.718,733	2.466.071,518	35,372	34,911	73	69	58.193	19.626,700	173.557,708	8,843	8,382
24	20	98.090	68.618,467	2.396.352,785	34,923	34,462	74	70	55.222	18.349,556	153.931,008	8,389	7,928
25	21	97.988	67.534,011	2.327.734,317	34,468	34,007	75	71	52.126	17.064,800	135.581,452	7,945	7,484
26	22	97.893	66.471,035	2.260.200,306	34,003	33,542	76	72	48.910	15.775,304	118.516,652	7,513	7,052
27	23	97.796	65.424,152	2.193.729,271	33,531	33,070	77	73	45.632	14.500,603	102.741,348	7,085	6,625
28	24	97.701	64.394,391	2.128.305,119	33,051	32,590	78	74	42.256	13.229,215	88.240,745	6,670	6,209
29	25	97.602	63.378,893	2.063.910,729	32,565	32,104	79	75	38.787	11.963,865	75.011,530	6,270	5,809
30	26	97.510	62.382,987	2.000.531,835	32,069	31,608	80	76	35.266	10.716,863	63.047,665	5,883	5,422
31	27	97.411	61.398,976	1.938.148,849	31,566	31,106	81	77	31.700	9.490,858	52.330,802	5,514	5,053
32	28	97.306	60.426,218	1.876.749,873	31,059	30,598	82	78	28.150	8.303,649	42.839,944	5,159	4,698
33	29	97.197	59.466,790	1.816.323,655	30,543	30,083	83	79	24.563	7.138,299	34.536,296	4,838	4,377
34	30	97.084	58.519,443	1.756.856,865	30,022	29,561	84	80	21.132	6.050,500	27.397,996	4,528	4,067
35	31	96.959	57.580,699	1.698.337,422	29,495	29,034	85	81	17.886	5.045,415	21.347,496	4,231	3,770
36	32	96.823	56.650,142	1.640.756,723	28,963	28,502	86	82	14.926	4.148,316	16.302,082	3,930	3,469
37	33	96.679	55.730,121	1.584.106,581	28,425	27,964	87	83	12.112	3.316,491	12.153,765	3,665	3,204
38	34	96.524	54.818,275	1.528.376,461	27,881	27,420	88	84	9.556	2.577,812	8.837,274	3,428	2,967
39	35	96.346	53.908,446	1.473.558,186	27,334	26,874	89	85	7.333	1.949,073	6.259,462	3,212	2,751
40	36	96.148	53.002,761	1.419.649,739	26,784	26,324	90	86	5.493	1.438,261	4.310,389	2,997	2,536
41	37	95.928	52.100,060	1.366.646,978	26,231	25,770	91	87	3.981	1.026,950	2.872,128	2,797	2,336
42	38	95.687	51.201,181	1.314.546,918	25,674	25,213	92	88	2.765	702,670	1.845,178	2,626	2,165
43	39	95.409	50.298,047	1.263.345,738	25,117	24,656	93	89	1.849	462,999	1.142,508	2,468	2,007
44	40	95.097	49.392,493	1.213.047,691	24,559	24,099	94	90	1.185	292,316	679,509	2,325	1,864
45	41	94.759	48.489,779	1.163.655,198	23,998	23,537	95	91	728	176,862	387,193	2,189	1,728
46	42	94.374	47.579,102	1.115.165,419	23,438	22,977	96	92	423	101,306	210,331	2,076	1,615
47	43	93.948	46.664,312	1.067.586,317	22,878	22,417	97	93	234	55,234	109,026	1,974	1,513
48	44	93.475	45.742,926	1.020.922,005	22,319	21,858	98	94	123	28,594	53,791	1,881	1,420
49	45	92.963	44.820,460	975.179,079	21,757	21,297	99	95	61	14,020	25,198	1,797	1,337
							100	96	29	6,494	11,178	1,721	1,260

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 5 Jahre

Zinsfuß 1,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	45	92.546	43.959,892	938.327,778	21,345	20,884
1							51	46	91.942	43.027,272	894.367,885	20,786	20,325
2							52	47	91.301	42.096,040	851.340,613	20,224	19,763
3							53	48	90.589	41.150,513	809.244,573	19,665	19,205
4							54	49	89.829	40.202,138	768.094,059	19,106	18,645
5	0	99.452	92.317,378	3.934.262,894	42,617	42,156	55	50	89.004	39.244,399	727.891,922	18,548	18,087
6	1	99.061	90.595,331	3.841.945,515	42,408	41,947	56	51	88.115	38.278,054	688.647,523	17,991	17,530
7	2	99.014	89.214,118	3.751.350,184	42,049	41,588	57	52	87.182	37.313,114	650.369,469	17,430	16,969
8	3	98.982	87.867,454	3.662.136,066	41,678	41,217	58	53	86.166	36.333,420	613.056,356	16,873	16,412
9	4	98.953	86.543,769	3.574.268,612	41,300	40,839	59	54	85.076	35.343,380	576.722,935	16,318	15,857
10	5	98.931	85.245,807	3.487.724,842	40,914	40,453	60	55	83.888	34.335,211	541.379,555	15,767	15,307
11	6	98.909	83.967,147	3.402.479,035	40,522	40,061	61	56	82.630	33.320,290	507.044,345	15,217	14,756
12	7	98.886	82.706,680	3.318.511,889	40,124	39,663	62	57	81.310	32.303,358	473.724,055	14,665	14,204
13	8	98.864	81.466,677	3.235.805,209	39,719	39,259	63	58	79.856	31.257,150	441.420,697	14,122	13,661
14	9	98.842	80.244,625	3.154.338,532	39,309	38,848	64	59	78.323	30.204,407	410.163,547	13,580	13,119
15	10	98.817	79.039,051	3.074.093,906	38,893	38,433	65	60	76.695	29.139,159	379.959,500	13,039	12,579
16	11	98.786	77.846,071	2.995.054,855	38,474	38,013	66	61	74.938	28.050,504	350.820,340	12,507	12,046
17	12	98.738	76.659,071	2.917.208,784	38,054	37,594	67	62	73.090	26.954,620	322.769,836	11,975	11,514
18	13	98.680	75.481,486	2.840.549,713	37,632	37,172	68	63	71.074	25.823,902	295.815,217	11,455	10,994
19	14	98.596	74.302,390	2.765.068,227	37,214	36,753	69	64	68.922	24.671,853	269.991,315	10,943	10,482
20	15	98.505	73.136,842	2.690.765,837	36,791	36,330	70	65	66.656	23.508,111	245.319,462	10,436	9,975
21	16	98.412	71.988,356	2.617.628,995	36,362	35,901	71	66	64.226	22.316,433	221.811,350	9,939	9,479
22	17	98.314	70.853,869	2.545.640,639	35,928	35,467	72	67	61.641	21.101,407	199.494,917	9,454	8,993
23	18	98.219	69.738,789	2.474.786,769	35,487	35,026	73	68	58.866	19.853,779	178.393,511	8,985	8,525
24	19	98.117	68.637,494	2.405.047,980	35,040	34,579	74	69	55.936	18.586,689	158.539,732	8,530	8,069
25	20	98.019	67.555,349	2.336.410,486	34,585	34,124	75	70	52.878	17.310,848	139.953,043	8,085	7,624
26	21	97.916	66.487,303	2.268.855,137	34,125	33,664	76	71	49.716	16.035,273	122.642,196	7,648	7,187
27	22	97.823	65.441,869	2.202.367,834	33,654	33,193	77	72	46.470	14.766,836	106.606,923	7,219	6,759
28	23	97.726	64.411,196	2.136.925,965	33,176	32,716	78	73	43.134	13.504,330	91.840,087	6,801	6,340
29	24	97.629	63.396,117	2.072.514,769	32,692	32,231	79	74	39.691	12.242,525	78.335,757	6,399	5,938
30	25	97.534	62.398,341	2.009.118,652	32,198	31,737	80	75	36.204	11.002,121	66.093,231	6,007	5,547
31	26	97.438	61.416,170	1.946.720,311	31,697	31,236	81	76	32.645	9.773,793	55.091,111	5,637	5,176
32	27	97.334	60.443,833	1.885.304,142	31,191	30,730	82	77	29.097	8.582,871	45.317,318	5,280	4,819
33	28	97.226	59.484,446	1.824.860,309	30,678	30,217	83	78	25.508	7.413,042	36.734,447	4,955	4,495
34	29	97.112	58.536,577	1.765.375,862	30,159	29,698	84	79	22.060	6.316,198	29.321,404	4,642	4,181
35	30	96.991	57.599,558	1.706.839,286	29,633	29,172	85	80	18.802	5.303,785	23.005,206	4,338	3,877
36	31	96.858	56.670,385	1.649.239,727	29,102	28,642	86	81	15.807	4.393,211	17.701,421	4,029	3,568
37	32	96.714	55.749,944	1.592.569,342	28,566	28,105	87	82	12.949	3.545,624	13.308,210	3,753	3,293
38	33	96.563	54.840,188	1.536.819,398	28,024	27,563	88	83	10.293	2.776,791	9.762,586	3,516	3,055
39	34	96.391	53.933,732	1.481.979,210	27,478	27,017	89	84	7.974	2.119,390	6.985,795	3,296	2,835
40	35	96.197	53.029,910	1.428.045,479	26,929	26,468	90	85	6.015	1.575,011	4.866,405	3,090	2,629
41	36	95.982	52.129,537	1.375.015,569	26,377	25,916	91	86	4.427	1.142,089	3.291,394	2,882	2,421
42	37	95.746	51.232,597	1.322.886,032	25,821	25,360	92	87	3.134	796,568	2.149,305	2,698	2,237
43	38	95.476	50.333,255	1.271.653,434	25,265	24,804	93	88	2.129	533,119	1.352,737	2,537	2,077
44	39	95.173	49.432,052	1.221.320,179	24,707	24,246	94	89	1.391	343,184	819,619	2,388	1,927
45	40	94.842	48.532,001	1.171.888,127	24,147	23,686	95	90	870	211,421	476,435	2,253	1,793
46	41	94.468	47.626,180	1.123.356,127	23,587	23,126	96	91	521	124,668	265,013	2,126	1,665
47	42	94.054	46.716,853	1.075.729,947	23,027	22,566	97	92	295	69,511	140,345	2,019	1,558
48	43	93.596	45.802,378	1.029.013,093	22,466	22,006	98	93	159	36,847	70,834	1,922	1,462
49	44	93.093	44.882,938	983.210,715	21,906	21,445	99	94	81	18,523	33,986	1,835	1,374
							100	95	39	8,809	15,463	1,755	1,295

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 6 Jahre

Zinsfuß 1,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	44	92.675	44.021,170	945.681,587	21,482	21,022
1							51	45	92.088	43.095,622	901.660,417	20,922	20,462
2							52	46	91.465	42.171,780	858.564,795	20,359	19,898
3							53	47	90.766	41.230,693	816.393,015	19,801	19,340
4							54	48	90.020	40.287,545	775.162,322	19,241	18,780
5							55	49	89.219	39.339,077	734.874,778	18,681	18,220
6	0	99.438	90.940,627	3.850.509,564	42,341	41,880	56	50	88.338	38.375,013	695.535,701	18,125	17,664
7	1	99.049	89.246,081	3.759.568,937	42,126	41,665	57	51	87.425	37.417,030	657.160,687	17,563	17,102
8	2	99.002	87.884,830	3.670.322,856	41,763	41,302	58	52	86.427	36.443,597	619.743,657	17,006	16,545
9	3	98.970	86.558,627	3.582.438,026	41,387	40,927	59	53	85.345	35.455,331	583.300,060	16,452	15,991
10	4	98.944	85.256,818	3.495.879,399	41,004	40,543	60	54	84.181	34.455,054	547.844,729	15,900	15,439
11	5	98.922	83.978,125	3.410.622,581	40,613	40,152	61	55	82.944	33.446,949	513.389,675	15,349	14,889
12	6	98.895	82.714,302	3.326.644,456	40,218	39,758	62	56	81.637	32.433,569	479.942,727	14,798	14,337
13	7	98.873	81.473,773	3.243.930,154	39,816	39,355	63	57	80.214	31.397,279	447.509,157	14,253	13,792
14	8	98.851	80.252,329	3.162.456,382	39,406	38,946	64	58	78.702	30.350,203	416.111,878	13,710	13,250
15	9	98.824	79.044,159	3.082.204,053	38,993	38,533	65	59	77.087	29.288,053	385.761,676	13,171	12,711
16	10	98.794	77.852,618	3.003.159,894	38,575	38,114	66	60	75.352	28.205,756	356.473,622	12,638	12,178
17	11	98.748	76.666,261	2.925.307,276	38,156	37,696	67	61	73.504	27.107,161	328.267,867	12,110	11,649
18	12	98.688	75.487,897	2.848.641,016	37,736	37,276	68	62	71.524	25.987,438	301.160,705	11,589	11,128
19	13	98.605	74.309,589	2.773.153,118	37,319	36,858	69	63	69.394	24.840,817	275.173,268	11,077	10,617
20	14	98.516	73.145,365	2.698.843,529	36,897	36,436	70	64	67.147	23.681,288	250.332,451	10,571	10,110
21	15	98.430	72.001,221	2.625.698,164	36,467	36,007	71	65	64.755	22.500,201	226.651,163	10,073	9,612
22	16	98.335	70.868,878	2.553.696,943	36,034	35,573	72	66	62.204	21.294,260	204.150,962	9,587	9,126
23	17	98.240	69.754,136	2.482.828,065	35,594	35,133	73	67	59.470	20.057,665	182.856,702	9,117	8,656
24	18	98.146	68.657,239	2.413.073,929	35,147	34,686	74	68	56.583	18.801,735	162.799,038	8,659	8,198
25	19	98.046	67.574,081	2.344.416,689	34,694	34,233	75	69	53.561	17.534,557	143.997,303	8,212	7,751
26	20	97.947	66.508,310	2.276.842,609	34,234	33,773	76	70	50.433	16.266,477	126.462,746	7,774	7,314
27	21	97.846	65.457,885	2.210.334,299	33,767	33,306	77	71	47.236	15.010,185	110.196,269	7,341	6,881
28	22	97.753	64.428,639	2.144.876,414	33,291	32,830	78	72	43.926	13.752,272	95.186,084	6,921	6,461
29	23	97.654	63.412,661	2.080.447,774	32,808	32,347	79	73	40.516	12.497,121	81.433,813	6,516	6,055
30	24	97.560	62.415,298	2.017.035,113	32,316	31,856	80	74	37.048	11.258,381	68.936,691	6,123	5,662
31	25	97.462	61.431,286	1.954.619,815	31,818	31,357	81	75	33.514	10.033,948	57.678,311	5,748	5,288
32	26	97.361	60.460,759	1.893.188,529	31,313	30,852	82	76	29.964	8.838,738	47.644,362	5,390	4,930
33	27	97.254	59.501,787	1.832.727,770	30,801	30,340	83	77	26.366	7.662,317	38.805,624	5,064	4,604
34	28	97.141	58.553,957	1.773.225,982	30,284	29,823	84	78	22.909	6.559,300	31.143,308	4,748	4,287
35	29	97.019	57.616,423	1.714.672,026	29,760	29,299	85	79	19.627	5.536,693	24.584,008	4,440	3,979
36	30	96.889	56.688,946	1.657.055,603	29,231	28,770	86	80	16.617	4.618,183	19.047,315	4,124	3,664
37	31	96.748	55.769,865	1.600.366,656	28,696	28,235	87	81	13.714	3.754,939	14.429,133	3,843	3,382
38	32	96.597	54.859,695	1.544.596,791	28,155	27,695	88	82	11.004	2.968,637	10.674,194	3,596	3,135
39	33	96.429	53.955,291	1.489.737,096	27,611	27,150	89	83	8.590	2.282,984	7.705,557	3,375	2,914
40	34	96.242	53.054,783	1.435.781,805	27,062	26,601	90	84	6.540	1.712,641	5.422,573	3,166	2,705
41	35	96.032	52.156,239	1.382.727,022	26,511	26,050	91	85	4.848	1.250,679	3.709,932	2,966	2,506
42	36	95.800	51.261,584	1.330.570,783	25,956	25,496	92	86	3.485	885,877	2.459,253	2,776	2,315
43	37	95.535	50.364,140	1.279.309,200	25,401	24,940	93	87	2.413	604,359	1.573,376	2,603	2,143
44	38	95.240	49.466,654	1.228.945,060	24,844	24,383	94	88	1.602	395,158	969,017	2,452	1,991
45	39	94.918	48.570,870	1.179.478,406	24,284	23,823	95	89	1.021	248,213	573,859	2,312	1,851
46	40	94.550	47.667,650	1.130.907,536	23,725	23,264	96	90	622	149,029	325,646	2,185	1,724
47	41	94.147	46.763,078	1.083.239,886	23,164	22,704	97	91	363	85,542	176,617	2,065	1,604
48	42	93.702	45.853,949	1.036.476,808	22,604	22,143	98	92	199	46,372	91,076	1,964	1,503
49	43	93.214	44.941,272	990.622,859	22,043	21,582	99	93	104	23,870	44,704	1,873	1,412
							100	94	52	11,638	20,834	1,790	1,329

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 7 Jahre

Zinsfuß 1,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	43	92.796	44.078,385	952.458,988	21,608	21,148
1							51	44	92.216	43.155,695	908.380,604	21,049	20,588
2							52	45	91.611	42.238,771	865.224,908	20,484	20,023
3							53	46	90.929	41.304,875	822.986,137	19,925	19,464
4							54	47	90.195	40.366,042	781.681,262	19,365	18,904
5							55	48	89.408	39.422,650	741.315,220	18,804	18,343
6							56	49	88.551	38.467,594	701.892,570	18,246	17,786
7	0	99.427	89.586,234	3.767.479,887	42,054	41,593	57	50	87.646	37.511,808	663.424,975	17,686	17,225
8	1	99.037	87.916,317	3.677.893,652	41,834	41,373	58	51	86.668	36.545,092	625.913,167	17,127	16,666
9	2	98.990	86.575,744	3.589.977,336	41,466	41,006	59	52	85.604	35.562,845	589.368,076	16,573	16,112
10	3	98.961	85.271,455	3.503.401,592	41,085	40,624	60	53	84.448	34.564,192	553.805,230	16,023	15,562
11	4	98.935	83.988,972	3.418.130,137	40,697	40,237	61	54	83.234	33.563,691	519.241,039	15,470	15,010
12	5	98.908	82.725,116	3.334.141,165	40,304	39,843	62	55	81.948	32.556,857	485.677,347	14,918	14,457
13	6	98.882	81.481,281	3.251.416,049	39,904	39,443	63	56	80.538	31.523,838	453.120,490	14,374	13,913
14	7	98.860	80.259,319	3.169.934,768	39,496	39,035	64	57	79.055	30.486,265	421.596,651	13,829	13,368
15	8	98.833	79.051,747	3.089.675,449	39,084	38,623	65	58	77.460	29.429,776	391.110,386	13,290	12,829
16	9	98.800	77.857,649	3.010.623,702	38,668	38,208	66	59	75.737	28.349,880	361.680,610	12,758	12,297
17	10	98.756	76.672,708	2.932.766,054	38,250	37,790	67	60	73.910	27.257,192	333.330,729	12,229	11,768
18	11	98.698	75.494,977	2.856.093,345	37,832	37,371	68	61	71.929	26.134,506	306.073,538	11,711	11,251
19	12	98.614	74.315,901	2.780.598,368	37,416	36,955	69	62	69.834	24.998,127	279.939,032	11,198	10,738
20	13	98.526	73.152,453	2.706.282,467	36,995	36,534	70	63	67.607	23.843,468	254.940,905	10,692	10,231
21	14	98.441	72.009,612	2.633.130,014	36,566	36,106	71	64	65.232	22.665,953	231.097,437	10,196	9,735
22	15	98.353	70.881,542	2.561.120,403	36,132	35,672	72	65	62.716	21.469,610	208.431,484	9,708	9,247
23	16	98.261	69.768,912	2.490.238,860	35,693	35,232	73	66	60.014	20.240,979	186.961,874	9,237	8,776
24	17	98.167	68.672,349	2.420.469,949	35,247	34,786	74	67	57.164	18.994,817	166.720,895	8,777	8,316
25	18	98.075	67.593,520	2.351.797,600	34,793	34,332	75	68	54.181	17.737,430	147.726,079	8,328	7,868
26	19	97.975	66.526,752	2.284.204,080	34,335	33,874	76	69	51.085	16.476,689	129.988,649	7,889	7,428
27	20	97.877	65.478,567	2.217.677,328	33,869	33,408	77	70	47.917	15.226,609	113.511,959	7,455	6,994
28	21	97.776	64.444,407	2.152.198,761	33,396	32,935	78	71	44.650	13.978,901	98.285,350	7,031	6,570
29	22	97.681	63.429,834	2.087.754,354	32,914	32,454	79	72	41.260	12.726,570	84.306,449	6,624	6,164
30	23	97.586	62.431,587	2.024.324,520	32,425	31,964	80	73	37.818	11.492,510	71.579,879	6,228	5,768
31	24	97.489	61.447,980	1.961.892,933	31,928	31,467	81	74	34.294	10.267,658	60.087,369	5,852	5,391
32	25	97.385	60.475,640	1.900.444,953	31,425	30,964	82	75	30.762	9.074,004	49.819,711	5,490	5,030
33	26	97.282	59.518,450	1.839.969,313	30,914	30,453	83	76	27.152	7.890,741	40.745,706	5,164	4,703
34	27	97.169	58.571,026	1.780.450,863	30,398	29,937	84	77	23.679	6.779,866	32.854,966	4,846	4,385
35	28	97.048	57.633,530	1.721.879,837	29,876	29,416	85	78	20.383	5.749,792	26.075,100	4,535	4,074
36	29	96.918	56.705,544	1.664.246,307	29,349	28,888	86	79	17.347	4.820,983	20.325,308	4,216	3,755
37	30	96.780	55.788,131	1.607.540,762	28,815	28,354	87	80	14.416	3.947,225	15.504,325	3,928	3,467
38	31	96.631	54.879,298	1.551.752,631	28,276	27,815	88	81	11.654	3.143,889	11.557,100	3,676	3,215
39	32	96.464	53.974,483	1.496.873,333	27,733	27,272	89	82	9.183	2.440,713	8.413,210	3,447	2,986
40	33	96.281	53.075,991	1.442.898,850	27,186	26,725	90	83	7.045	1.844,838	5.972,497	3,237	2,777
41	34	96.077	52.180,702	1.389.822,859	26,635	26,174	91	84	5.272	1.359,968	4.127,659	3,035	2,574
42	35	95.849	51.287,841	1.337.642,157	26,081	25,620	92	85	3.817	970,106	2.767,691	2,853	2,392
43	36	95.589	50.392,635	1.286.354,316	25,527	25,066	93	86	2.684	672,118	1.797,585	2,675	2,214
44	37	95.298	49.497,007	1.235.961,681	24,970	24,510	94	87	1.816	447,963	1.125,467	2,512	2,052
45	38	94.984	48.604,870	1.186.464,675	24,410	23,950	95	88	1.176	285,804	677,504	2,371	1,910
46	39	94.626	47.705,827	1.137.859,805	23,852	23,391	96	89	731	174,963	391,700	2,239	1,778
47	40	94.229	46.803,796	1.090.153,978	23,292	22,831	97	90	433	102,257	216,738	2,120	1,659
48	41	93.794	45.899,320	1.043.350,182	22,731	22,270	98	91	245	57,066	114,481	2,006	1,545
49	42	93.319	44.991,873	997.450,862	22,170	21,709	99	92	131	30,040	57,415	1,911	1,450
							100	93	66	14,998	27,375	1,825	1,364

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 8 Jahre

Zinsfuß 1,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	42	92.900	44.128,014	958.694,953	21,725	21,265
1							51	43	92.336	43.211,785	914.566,939	21,165	20,704
2							52	44	91.738	42.297,650	871.355,154	20,601	20,140
3							53	45	91.073	41.370,489	829.057,504	20,040	19,579
4							54	46	90.357	40.438,669	787.687,015	19,479	19,018
5							55	47	89.583	39.499,463	747.248,345	18,918	18,457
6							56	48	88.739	38.549,316	707.748,883	18,360	17,899
7							57	49	87.858	37.602,307	669.199,567	17,797	17,336
8	0	99.415	88.251,401	3.685.195,349	41,758	41,297	58	50	86.888	36.637,661	631.597,260	17,239	16,778
9	1	99.025	86.606,762	3.596.943,947	41,532	41,071	59	51	85.842	35.661,887	594.959,599	16,683	16,223
10	2	98.981	85.288,317	3.510.337,186	41,158	40,698	60	52	84.704	34.669,003	559.297,712	16,133	15,672
11	3	98.952	84.003,391	3.425.048,868	40,773	40,312	61	53	83.497	33.670,006	524.628,708	15,581	15,121
12	4	98.920	82.735,801	3.341.045,477	40,382	39,921	62	54	82.234	32.670,493	490.958,703	15,028	14,567
13	5	98.895	81.491,933	3.258.309,675	39,983	39,522	63	55	80.844	31.643,669	458.288,209	14,483	14,022
14	6	98.869	80.266,715	3.176.817,742	39,578	39,117	64	56	79.374	30.609,153	426.644,541	13,938	13,478
15	7	98.842	79.058,632	3.096.551,027	39,168	38,707	65	57	77.808	29.561,713	396.035,388	13,397	12,936
16	8	98.810	77.865,123	3.017.492,395	38,753	38,292	66	58	76.104	28.487,063	366.473,675	12,865	12,404
17	9	98.762	76.677,663	2.939.627,272	38,337	37,877	67	59	74.288	27.396,469	337.986,612	12,337	11,876
18	10	98.706	75.501,326	2.862.949,609	37,919	37,458	68	60	72.327	26.279,153	310.590,142	11,819	11,358
19	11	98.623	74.322,871	2.787.448,283	37,505	37,044	69	61	70.229	25.139,597	284.310,989	11,309	10,848
20	12	98.534	73.158,666	2.713.125,412	37,085	36,625	70	62	68.035	23.994,462	259.171,393	10,801	10,341
21	13	98.451	72.016,589	2.639.966,745	36,658	36,197	71	63	65.679	22.821,179	235.176,931	10,305	9,844
22	14	98.364	70.889,802	2.567.950,156	36,225	35,764	72	64	63.178	21.627,770	212.355,752	9,819	9,358
23	15	98.279	69.781,379	2.497.060,353	35,784	35,323	73	65	60.508	20.407,656	190.727,982	9,346	8,885
24	16	98.188	68.686,895	2.427.278,974	35,338	34,878	74	66	57.686	19.168,417	170.320,326	8,885	8,425
25	17	98.096	67.608,395	2.358.592,079	34,886	34,425	75	67	54.737	17.919,582	151.151,909	8,435	7,974
26	18	98.003	66.545,890	2.290.983,684	34,427	33,960	76	68	51.676	16.667,323	133.232,327	7,994	7,533
27	19	97.905	65.496,723	2.224.437,794	33,963	33,502	77	69	48.536	15.423,383	116.565,004	7,558	7,097
28	20	97.807	64.464,769	2.158.941,071	33,490	33,029	78	70	45.294	14.180,456	101.141,621	7,132	6,672
29	21	97.705	63.445,358	2.094.476,302	33,012	32,551	79	71	41.940	12.936,297	86.961,165	6,722	6,261
30	22	97.612	62.448,494	2.031.030,945	32,523	32,063	80	72	38.512	11.703,514	74.024,868	6,325	5,864
31	23	97.514	61.464,016	1.968.582,451	32,028	31,567	81	73	35.007	10.481,184	62.321,354	5,946	5,485
32	24	97.412	60.492,075	1.907.118,435	31,527	31,066	82	74	31.478	9.285,355	51.840,169	5,583	5,122
33	25	97.306	59.533,099	1.846.626,360	31,018	30,558	83	75	27.875	8.100,774	42.554,814	5,253	4,792
34	26	97.196	58.587,428	1.787.093,261	30,503	30,042	84	76	24.385	6.981,982	34.454,041	4,935	4,474
35	27	97.076	57.650,331	1.728.505,832	29,983	29,522	85	77	21.068	5.943,137	27.472,058	4,622	4,162
36	28	96.946	56.722,381	1.670.855,501	29,457	28,996	86	78	18.014	5.006,536	21.528,921	4,300	3,839
37	29	96.808	55.804,466	1.614.133,121	28,925	28,464	87	79	15.049	4.120,562	16.522,385	4,010	3,549
38	30	96.663	54.897,272	1.558.328,655	28,386	27,925	88	80	12.251	3.304,884	12.401,824	3,753	3,292
39	31	96.498	53.993,770	1.503.431,382	27,845	27,384	89	81	9.725	2.584,800	9.096,939	3,519	3,059
40	32	96.315	53.094,870	1.449.437,612	27,299	26,838	90	82	7.532	1.972,296	6.512,139	3,302	2,841
41	33	96.115	52.201,561	1.396.342,742	26,749	26,288	91	83	5.678	1.464,943	4.539,843	3,099	2,638
42	34	95.894	51.311,897	1.344.141,181	26,196	25,735	92	84	4.150	1.054,877	3.074,900	2,915	2,454
43	35	95.638	50.418,447	1.292.829,284	25,642	25,181	93	85	2.939	736,023	2.020,023	2,745	2,284
44	36	95.352	49.525,011	1.242.410,838	25,087	24,626	94	86	2.019	498,187	1.283,999	2,577	2,117
45	37	95.043	48.634,693	1.192.885,827	24,527	24,067	95	87	1.333	323,995	785,812	2,425	1,965
46	38	94.692	47.739,221	1.144.251,133	23,969	23,508	96	88	841	201,460	461,817	2,292	1,832
47	39	94.305	46.841,282	1.096.511,912	23,409	22,948	97	89	509	120,052	260,357	2,169	1,708
48	40	93.876	45.939,286	1.049.670,630	22,849	22,388	98	90	293	68,217	140,305	2,057	1,596
49	41	93.411	45.036,391	1.003.731,344	22,287	21,826	99	91	161	36,968	72,088	1,950	1,489
							100	92	84	18,875	35,121	1,861	1,400

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 9 Jahre

Zinsfuß 1,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	41	92.992	44.171,677	964.425,250	21,834	21,373
1							51	42	92.440	43.260,439	920.253,572	21,272	20,812
2							52	43	91.857	42.352,624	876.993,133	20,707	20,246
3							53	44	91.200	41.428,158	834.640,509	20,147	19,686
4							54	45	90.501	40.502,907	793.212,352	19,584	19,123
5							55	46	89.744	39.570,531	752.709,444	19,022	18,561
6							56	47	88.912	38.624,427	713.138,914	18,463	18,003
7							57	48	88.044	37.682,190	674.514,487	17,900	17,439
8							58	49	87.097	36.726,051	636.832,296	17,340	16,879
9	0	99.403	86.936,855	3.603.679,264	41,452	40,991	59	50	86.060	35.752,220	600.106,245	16,785	16,324
10	1	99.016	85.318,874	3.516.742,409	41,219	40,758	60	51	84.940	34.765,555	564.354,026	16,233	15,772
11	2	98.971	84.020,003	3.431.423,535	40,841	40,380	61	52	83.750	33.772,106	529.588,470	15,681	15,220
12	3	98.937	82.750,005	3.347.403,532	40,452	39,991	62	53	82.494	32.773,979	495.816,364	15,128	14,668
13	4	98.908	81.502,460	3.264.653,527	40,056	39,595	63	54	81.126	31.754,117	463.042,386	14,582	14,121
14	5	98.882	80.277,209	3.183.151,067	39,652	39,191	64	55	79.676	30.725,506	431.288,269	14,037	13,576
15	6	98.851	79.065,918	3.102.873,858	39,244	38,783	65	56	78.121	29.680,873	400.562,763	13,496	13,035
16	7	98.818	77.871,905	3.023.807,940	38,831	38,370	66	57	76.445	28.614,774	370.881,890	12,961	12,500
17	8	98.772	76.685,024	2.945.936,035	38,416	37,955	67	58	74.648	27.529,039	342.267,116	12,433	11,972
18	9	98.712	75.506,205	2.869.251,011	38,000	37,539	68	59	72.697	26.413,433	314.738,077	11,916	11,455
19	10	98.631	74.329,121	2.793.744,806	37,586	37,125	69	60	70.617	25.278,737	288.324,644	11,406	10,945
20	11	98.543	73.165,528	2.719.415,684	37,168	36,707	70	61	68.420	24.130,252	263.045,907	10,901	10,440
21	12	98.459	72.022,706	2.646.250,156	36,742	36,281	71	62	66.095	22.965,699	238.915,655	10,403	9,942
22	13	98.374	70.896,672	2.574.227,450	36,310	35,849	72	63	63.611	21.775,886	215.949,956	9,917	9,456
23	14	98.290	69.789,512	2.503.330,779	35,870	35,409	73	64	60.954	20.557,993	194.174,070	9,445	8,984
24	15	98.206	68.699,169	2.433.541,267	35,423	34,962	74	65	58.161	19.326,262	173.616,077	8,983	8,523
25	16	98.117	67.622,716	2.364.842,098	34,971	34,510	75	66	55.237	18.083,356	154.289,815	8,532	8,071
26	17	98.024	66.560,534	2.297.219,382	34,513	34,052	76	67	52.206	16.838,486	136.206,459	8,089	7,628
27	18	97.933	65.515,565	2.230.658,847	34,048	33,587	77	68	49.098	15.601,830	119.367,973	7,651	7,190
28	19	97.834	64.482,644	2.165.143,283	33,577	33,116	78	69	45.879	14.363,711	103.766,143	7,224	6,763
29	20	97.735	63.465,404	2.100.660,639	33,099	32,639	79	70	42.545	13.122,818	89.402,433	6,813	6,352
30	21	97.636	62.463,777	2.037.195,235	32,614	32,153	80	71	39.147	11.896,382	76.279,614	6,412	5,951
31	22	97.541	61.480,662	1.974.731,458	32,120	31,659	81	72	35.650	10.673,620	64.383,233	6,032	5,571
32	23	97.437	60.507,862	1.913.250,797	31,620	31,159	82	73	32.133	9.478,453	53.709,612	5,666	5,206
33	24	97.332	59.549,277	1.852.742,935	31,113	30,652	83	74	28.524	8.289,456	44.231,159	5,336	4,875
34	25	97.220	58.601,848	1.793.193,658	30,600	30,139	84	75	25.034	7.167,826	35.941,703	5,014	4,554
35	26	97.104	57.666,475	1.734.591,809	30,080	29,619	85	76	21.696	6.120,310	28.773,876	4,701	4,241
36	27	96.975	56.738,916	1.676.925,334	29,555	29,094	86	77	18.620	5.174,888	22.653,566	4,378	3,917
37	28	96.837	55.821,035	1.620.186,418	29,025	28,564	87	78	15.628	4.279,156	17.478,678	4,085	3,624
38	29	96.691	54.913,346	1.564.365,383	28,488	28,027	88	79	12.789	3.450,013	13.199,522	3,826	3,365
39	30	96.530	54.011,454	1.509.452,037	27,947	27,486	89	80	10.223	2.717,165	9.749,509	3,588	3,127
40	31	96.349	53.113,843	1.455.440,583	27,402	26,941	90	81	7.977	2.088,730	7.032,344	3,367	2,906
41	32	96.149	52.220,129	1.402.326,740	26,854	26,393	91	82	6.071	1.566,154	4.943,614	3,157	2,696
42	33	95.932	51.332,408	1.350.106,611	26,301	25,840	92	83	4.471	1.136,302	3.377,460	2,972	2,512
43	34	95.683	50.442,095	1.298.774,203	25,748	25,287	93	84	3.196	800,340	2.241,157	2,800	2,339
44	35	95.401	49.550,379	1.248.332,108	25,193	24,732	94	85	2.211	545,555	1.440,818	2,641	2,180
45	36	95.096	48.662,210	1.198.781,729	24,635	24,174	95	86	1.482	360,321	895,263	2,485	2,024
46	37	94.750	47.768,514	1.150.119,519	24,077	23,616	96	87	954	228,381	534,942	2,342	1,882
47	38	94.371	46.874,071	1.102.351,006	23,517	23,056	97	88	586	138,233	306,560	2,218	1,757
48	39	93.951	45.976,079	1.055.476,935	22,957	22,496	98	89	345	80,088	168,328	2,102	1,641
49	40	93.493	45.075,606	1.009.500,856	22,396	21,935	99	90	193	44,191	88,240	1,997	1,536
							100	91	103	23,227	44,049	1,896	1,436

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 10 Jahre

Zinsfuß 1,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	40	93,073	44.210,139	969.685,128	21,934	21,473
1							51	41	92,531	43.303,244	925.474,988	21,372	20,911
2							52	42	91,961	42.400,311	882.171,745	20,806	20,345
3							53	43	91,319	41.482,002	839.771,434	20,244	19,783
4							54	44	90,627	40.559,366	798.289,432	19,682	19,221
5							55	45	89,886	39.633,390	757.730,066	19,118	18,658
6							56	46	89,072	38.693,921	718.096,676	18,558	18,098
7							57	47	88,216	37.755,612	679.402,756	17,995	17,534
8							58	48	87,282	36.804,073	641.647,144	17,434	16,973
9							59	49	86,267	35.838,473	604.843,071	16,877	16,416
10	0	99,393	85.644,059	3.522.952,817	41,135	40,674	60	50	85,155	34.853,618	569.004,598	16,326	15,865
11	1	99,007	84.050,105	3.437.308,758	40,896	40,435	61	51	83,984	33.866,160	534.150,981	15,772	15,312
12	2	98,957	82.766,369	3.353.258,653	40,515	40,054	62	52	82,744	32.873,361	500.284,820	15,219	14,758
13	3	98,924	81.516,452	3.270.492,284	40,121	39,660	63	53	81,383	31.854,700	467.411,459	14,673	14,212
14	4	98,895	80.287,579	3.188.975,832	39,719	39,259	64	54	79,954	30.832,750	435.556,759	14,126	13,666
15	5	98,864	79.076,255	3.108.688,254	39,313	38,852	65	55	78,418	29.793,698	404.724,010	13,584	13,123
16	6	98,827	77.879,081	3.029.611,999	38,901	38,441	66	56	76,753	28.730,117	374.930,312	13,050	12,589
17	7	98,780	76.691,703	2.951.732,918	38,488	38,027	67	57	74,982	27.652,454	346.200,195	12,520	12,059
18	8	98,722	75.513,454	2.875.041,214	38,073	37,612	68	58	73,049	26.541,246	318.547,740	12,002	11,541
19	9	98,637	74.333,925	2.799.527,761	37,662	37,201	69	59	70,978	25.407,905	292.006,494	11,493	11,032
20	10	98,552	73.171,681	2.725.193,836	37,244	36,783	70	60	68,799	24.263,806	266.598,589	10,988	10,527
21	11	98,468	72.029,461	2.652.022,155	36,819	36,358	71	61	66,469	23.095,667	242.334,783	10,493	10,032
22	12	98,382	70.902,693	2.579.992,694	36,388	35,927	72	62	64,014	21.913,787	219.239,117	10,005	9,544
23	13	98,299	69.796,274	2.509.090,001	35,949	35,488	73	63	61,371	20.698,782	197.325,329	9,533	9,072
24	14	98,217	68.707,175	2.439.293,726	35,503	35,042	74	64	58,590	19.468,633	176.626,547	9,072	8,612
25	15	98,134	67.634,800	2.370.586,551	35,050	34,589	75	65	55,692	18.232,266	157.157,914	8,620	8,159
26	16	98,045	66.574,633	2.302.951,751	34,592	34,131	76	66	52,683	16.992,379	138.925,649	8,176	7,715
27	17	97,954	65.529,983	2.236.377,118	34,128	33,667	77	67	49,602	15.762,051	121.933,270	7,736	7,275
28	18	97,863	64.501,194	2.170.847,135	33,656	33,195	78	68	46,410	14.529,897	106.171,219	7,307	6,846
29	19	97,763	63.483,001	2.106.345,941	33,180	32,719	79	69	43,094	13.292,405	91.641,321	6,894	6,433
30	20	97,667	62.483,513	2.042.862,940	32,694	32,234	80	70	39,711	12.067,909	78.348,916	6,492	6,032
31	21	97,565	61.495,708	1.980.379,427	32,204	31,743	81	71	36,238	10.849,516	66.281,007	6,109	5,648
32	22	97,464	60.524,248	1.918.883,719	31,704	31,244	82	72	32,723	9.652,479	55.431,491	5,743	5,282
33	23	97,357	59.564,818	1.858.359,471	31,199	30,738	83	73	29,117	8.461,844	45.779,012	5,410	4,949
34	24	97,247	58.617,774	1.798.794,653	30,687	30,226	84	74	25,617	7.334,779	37.317,168	5,088	4,627
35	25	97,127	57.680,668	1.740.176,880	30,169	29,708	85	75	22,274	6.283,218	29.982,390	4,772	4,311
36	26	97,002	56.754,805	1.682.496,211	29,645	29,184	86	76	19,175	5.329,158	23.699,171	4,447	3,986
37	27	96,865	55.837,308	1.625.741,406	29,116	28,655	87	77	16,154	4.423,049	18.370,013	4,153	3,692
38	28	96,720	54.929,650	1.569.904,098	28,580	28,119	88	78	13,281	3.582,799	13.946,964	3,893	3,432
39	29	96,558	54.027,268	1.514.974,448	28,041	27,580	89	79	10,672	2.836,485	10.364,165	3,654	3,193
40	30	96,381	53.131,239	1.460.947,179	27,497	27,036	90	80	8,385	2.195,692	7.527,680	3,428	2,968
41	31	96,184	52.238,789	1.407.815,940	26,950	26,489	91	81	6,429	1.658,611	5.331,988	3,215	2,754
42	32	95,967	51.350,667	1.355.577,151	26,398	25,938	92	82	4,780	1.214,808	3.673,376	3,024	2,563
43	33	95,721	50.462,258	1.304.226,484	25,846	25,385	93	83	3,443	862,117	2.458,568	2,852	2,391
44	34	95,446	49.573,620	1.253.764,226	25,291	24,830	94	84	2,405	593,228	1.596,451	2,691	2,230
45	35	95,145	48.687,136	1.204.190,606	24,733	24,272	95	85	1,623	394,580	1.003,223	2,543	2,082
46	36	94,804	47.795,540	1.155.503,470	24,176	23,715	96	86	1,061	253,987	608,643	2,396	1,936
47	37	94,428	46.902,832	1.107.707,930	23,617	23,156	97	87	664	156,705	354,656	2,263	1,802
48	38	94,017	46.008,262	1.060.805,098	23,057	22,596	98	88	397	92,217	197,951	2,147	1,686
49	39	93,568	45.111,707	1.014.796,835	22,495	22,034	99	89	227	51,882	105,735	2,038	1,577
							100	90	123	27,766	53,853	1,940	1,479

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 11 Jahre

Zinsfuß 1,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	39	93.148	44.245,547	974.510,378	22,025	21,564
1							51	40	92.612	43.340,949	930.264,831	21,464	21,003
2							52	41	92.052	42.442,264	886.923,882	20,897	20,436
3							53	42	91.422	41.528,708	844.481,617	20,335	19,874
4							54	43	90.745	40.612,082	802.952,909	19,771	19,310
5							55	44	90.012	39.688,637	762.340,827	19,208	18,747
6							56	45	89.213	38.755,387	722.652,191	18,646	18,186
7							57	46	88.374	37.823,542	683.896,804	18,081	17,620
8							58	47	87.452	36.875,783	646.073,262	17,520	17,059
9							59	48	86.451	35.914,609	609.197,479	16,962	16,502
10							60	49	85.360	34.937,703	573.282,869	16,409	15,948
11	0	99.384	84.370,454	3.443.034,005	40,809	40,348	61	50	84.196	33.951,944	538.345,166	15,856	15,395
12	1	98.992	82.796,022	3.358.663,551	40,566	40,105	62	51	82.975	32.964,913	504.393,222	15,301	14,840
13	2	98.944	81.532,572	3.275.867,529	40,179	39,718	63	52	81.630	31.951,295	471.428,309	14,755	14,294
14	3	98.912	80.301,362	3.194.334,957	39,779	39,319	64	53	80.207	30.930,414	439.477,014	14,209	13,748
15	4	98.876	79.086,469	3.114.033,595	39,375	38,914	65	54	78.692	29.897,689	408.546,600	13,665	13,204
16	5	98.840	77.889,263	3.034.947,126	38,965	38,504	66	55	77.045	28.839,327	378.648,911	13,130	12,669
17	6	98.790	76.698,771	2.957.057,863	38,554	38,093	67	56	75.285	27.763,919	349.809,584	12,599	12,139
18	7	98.730	75.520,031	2.880.359,092	38,140	37,680	68	57	73.376	26.660,233	322.045,665	12,080	11,619
19	8	98.647	74.341,061	2.804.839,061	37,729	37,269	69	58	71.322	25.530,853	295.385,432	11,570	11,109
20	9	98.558	73.176,409	2.730.498,001	37,314	36,853	70	59	69.151	24.387,788	269.854,580	11,065	10,604
21	10	98.477	72.035,519	2.657.321,591	36,889	36,428	71	60	66.837	23.223,495	245.466,792	10,570	10,109
22	11	98.391	70.909,343	2.585.286,073	36,459	35,998	72	61	64.376	22.037,802	222.243,297	10,085	9,624
23	12	98.308	69.802,202	2.514.376,729	36,021	35,561	73	62	61.760	20.829,862	200.205,495	9,611	9,151
24	13	98.227	68.713,833	2.444.574,527	35,576	35,115	74	63	58.991	19.601,962	179.375,633	9,151	8,690
25	14	98.146	67.642,682	2.375.860,694	35,124	34,663	75	64	56.102	18.366,577	159.773,671	8,699	8,238
26	15	98.063	66.586,530	2.308.218,011	34,665	34,204	76	65	53.117	17.132,305	141.407,094	8,254	7,793
27	16	97.975	65.543,863	2.241.631,481	34,200	33,740	77	66	50.055	15.906,106	124.274,789	7,813	7,352
28	17	97.884	64.515,388	2.176.087,618	33,730	33,269	78	67	46.887	14.679,110	108.368,683	7,383	6,922
29	18	97.791	63.501,264	2.111.572,230	33,252	32,792	79	68	43.593	13.446,197	93.689,572	6,968	6,507
30	19	97.694	62.500,838	2.048.070,966	32,769	32,308	80	69	40.225	12.223,863	80.243,375	6,564	6,104
31	20	97.595	61.515,138	1.985.570,127	32,278	31,817	81	70	36.760	11.005,949	68.019,512	6,180	5,719
32	21	97.488	60.539,060	1.924.054,990	31,782	31,321	82	71	33.262	9.811,547	57.013,563	5,811	5,350
33	22	97.384	59.580,949	1.863.515,930	31,277	30,816	83	72	29.652	8.617,204	47.202,016	5,478	5,017
34	23	97.272	58.633,071	1.803.934,980	30,767	30,306	84	73	26.150	7.487,313	38.584,812	5,153	4,693
35	24	97.154	57.696,343	1.745.301,909	30,250	29,789	85	74	22.793	6.429,566	31.097,499	4,837	4,376
36	25	97.026	56.768,774	1.687.605,566	29,728	29,267	86	75	19.686	5.471,008	24.667,933	4,509	4,048
37	26	96.892	55.852,944	1.630.836,792	29,199	28,738	87	76	16.635	4.554,906	19.196,925	4,215	3,754
38	27	96.748	54.945,663	1.574.983,848	28,664	28,204	88	77	13.728	3.703,276	14.642,019	3,954	3,493
39	28	96.587	54.043,310	1.520.038,184	28,126	27,665	89	78	11.083	2.945,657	10.938,742	3,714	3,253
40	29	96.409	53.146,796	1.465.994,875	27,584	27,123	90	79	8.753	2.292,112	7.993,085	3,487	3,026
41	30	96.215	52.255,899	1.412.848,079	27,037	26,576	91	80	6.758	1.743,547	5.700,973	3,270	2,809
42	31	96.001	51.369,017	1.360.592,180	26,487	26,026	92	81	5.062	1.286,524	3.957,426	3,076	2,615
43	32	95.755	50.480,208	1.309.223,164	25,935	25,475	93	82	3.681	921,680	2.670,901	2,898	2,437
44	33	95.484	49.593,436	1.258.742,956	25,381	24,920	94	83	2.590	639,018	1.749,221	2,737	2,277
45	34	95.190	48.709,972	1.209.149,520	24,823	24,363	95	84	1.765	429,060	1.110,203	2,588	2,127
46	35	94.852	47.820,022	1.160.439,548	24,267	23,806	96	85	1.161	278,136	681,143	2,449	1,988
47	36	94.482	46.929,369	1.112.619,526	23,708	23,248	97	86	739	174,274	403,007	2,312	1,852
48	37	94.075	46.036,493	1.065.690,157	23,149	22,688	98	87	450	104,539	228,733	2,188	1,727
49	38	93.633	45.143,286	1.019.653,664	22,587	22,126	99	88	261	59,739	124,193	2,079	1,618
							100	89	144	32,598	64,454	1,977	1,516

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 12 Jahre

Zinsfuß 1,50%

Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	38	93.213	44.276,519	978.933,485	22,110	21,649
1							51	39	92.686	43.375,661	934.656,965	21,548	21,087
2							52	40	92.132	42.479,220	891.281,304	20,982	20,521
3							53	41	91.512	41.569,800	848.802,083	20,419	19,958
4							54	42	90.847	40.657,808	807.232,284	19,854	19,394
5							55	43	90.129	39.740,220	766.574,476	19,290	18,829
6							56	44	89.338	38.809,410	726.834,256	18,728	18,268
7							57	45	88.515	37.883,626	688.024,846	18,162	17,701
8							58	46	87.610	36.942,131	650.141,220	17,599	17,138
9							59	47	86.619	35.984,587	613.199,089	17,041	16,580
10							60	48	85.542	35.011,926	577.214,502	16,486	16,025
11							61	49	84.399	34.033,854	542.202,576	15,931	15,470
12	0	99.370	83.111,591	3.363.941,377	40,475	40,014	62	50	83.185	33.048,414	508.168,722	15,376	14,916
13	1	98.980	81.561,783	3.280.829,785	40,225	39,764	63	51	81.857	32.040,279	475.120,308	14,829	14,368
14	2	98.931	80.317,242	3.199.268,003	39,833	39,372	64	52	80.450	31.024,206	443.080,029	14,282	13,821
15	3	98.893	79.100,047	3.118.950,761	39,430	38,970	65	53	78.941	29.992,391	412.055,823	13,739	13,278
16	4	98.853	77.899,324	3.039.850,714	39,023	38,562	66	54	77.314	28.939,988	382.063,432	13,202	12,741
17	5	98.802	76.708,798	2.961.951,390	38,613	38,152	67	55	75.571	27.869,456	353.123,444	12,671	12,210
18	6	98.740	75.526,990	2.885.242,592	38,201	37,741	68	56	73.672	26.767,698	325.253,988	12,151	11,690
19	7	98.656	74.347,536	2.809.715,602	37,792	37,331	69	57	71.642	25.645,310	298.486,290	11,639	11,178
20	8	98.567	73.183,434	2.735.368,066	37,377	36,916	70	58	69.485	24.505,799	272.840,980	11,134	10,673
21	9	98.483	72.040,174	2.662.184,632	36,954	36,493	71	59	67.178	23.342,161	248.335,181	10,639	10,178
22	10	98.400	70.915,307	2.590.144,458	36,524	36,064	72	60	64.732	22.159,775	224.993,020	10,153	9,692
23	11	98.317	69.808,749	2.519.229,151	36,088	35,627	73	61	62.110	20.947,743	202.833,245	9,683	9,222
24	12	98.235	68.719,669	2.449.420,402	35,644	35,183	74	62	59.365	19.726,096	181.885,503	9,221	8,760
25	13	98.155	67.649,237	2.380.700,733	35,192	34,731	75	63	56.487	18.492,359	162.159,406	8,769	8,308
26	14	98.074	66.594,290	2.313.051,496	34,733	34,273	76	64	53.508	17.258,513	143.667,047	8,324	7,864
27	15	97.992	65.555,576	2.246.457,206	34,268	33,807	77	65	50.467	16.037,087	126.408,534	7,882	7,421
28	16	97.905	64.529,054	2.180.901,630	33,797	33,336	78	66	47.315	14.813,268	110.371,447	7,451	6,990
29	17	97.812	63.515,239	2.116.372,576	33,321	32,860	79	67	44.041	13.584,281	95.558,179	7,034	6,574
30	18	97.722	62.518,818	2.052.857,338	32,836	32,375	80	68	40.690	12.365,292	81.973,898	6,629	6,169
31	19	97.622	61.532,195	1.990.338,519	32,346	31,885	81	69	37.235	11.148,179	69.608,605	6,244	5,783
32	20	97.518	60.558,188	1.928.806,325	31,850	31,390	82	70	33.742	9.953,014	58.460,426	5,874	5,413
33	21	97.408	59.595,530	1.868.248,137	31,349	30,888	83	71	30.140	8.759,211	48.507,412	5,538	5,077
34	22	97.298	58.648,950	1.808.652,606	30,839	30,378	84	72	26.630	7.624,781	39.748,201	5,213	4,752
35	23	97.179	57.711,401	1.750.003,656	30,323	29,863	85	73	23.267	6.563,276	32.123,420	4,894	4,434
36	24	97.052	56.784,201	1.692.292,256	29,802	29,341	86	74	20.144	5.598,438	25.560,144	4,566	4,105
37	25	96.916	55.866,691	1.635.508,054	29,275	28,814	87	75	17.078	4.676,147	19.961,706	4,269	3,808
38	26	96.775	54.961,050	1.579.641,364	28,741	28,280	88	76	14.137	3.813,676	15.285,559	4,008	3,547
39	27	96.615	54.059,064	1.524.680,314	28,204	27,743	89	77	11.456	3.044,709	11.471,884	3,768	3,307
40	28	96.438	53.162,575	1.470.621,249	27,663	27,202	90	78	9.090	2.380,333	8.427,174	3,540	3,080
41	29	96.243	52.271,199	1.417.458,674	27,117	26,657	91	79	7.055	1.820,112	6.046,842	3,322	2,861
42	30	96.032	51.385,841	1.365.187,475	26,567	26,107	92	80	5.321	1.352,406	4.226,729	3,125	2,665
43	31	95.789	50.498,246	1.313.801,634	26,017	25,556	93	81	3.898	976,091	2.874,324	2,945	2,484
44	32	95.518	49.611,077	1.263.303,387	25,464	25,003	94	82	2.769	683,168	1.898,232	2,779	2,318
45	33	95.228	48.729,443	1.213.692,311	24,907	24,446	95	83	1.901	462,179	1.215,065	2,629	2,168
46	34	94.897	47.842,452	1.164.962,868	24,350	23,889	96	84	1.263	302,440	752,886	2,489	2,029
47	35	94.530	46.953,407	1.117.120,416	23,792	23,331	97	85	809	190,844	450,446	2,360	1,899
48	36	94.128	46.062,539	1.070.167,009	23,233	22,772	98	86	500	116,260	259,601	2,233	1,772
49	37	93.691	45.170,985	1.024.104,470	22,672	22,211	99	87	296	67,722	143,341	2,117	1,656
							100	88	166	37,535	75,619	2,015	1,554

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 13 Jahre

Zinsfuß 1,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	37	93.270	44.303,687	982.985,528	22,187	21,727
1							51	38	92.751	43.406,024	938.681,841	21,626	21,165
2							52	39	92.206	42.513,242	895.275,816	21,059	20,598
3							53	40	91.592	41.605,996	852.762,574	20,496	20,035
4							54	41	90.937	40.698,038	811.156,578	19,931	19,470
5							55	42	90.230	39.784,965	770.458,541	19,366	18,905
6							56	43	89.454	38.859,851	730.673,576	18,803	18,342
7							57	44	88.638	37.936,434	691.813,725	18,236	17,775
8							58	45	87.749	37.000,814	653.877,291	17,672	17,211
9							59	46	86.775	36.049,331	616.876,477	17,112	16,651
10							60	47	85.709	35.080,144	580.827,146	16,557	16,096
11							61	48	84.579	34.106,157	545.747,002	16,001	15,541
12							62	49	83.386	33.128,144	511.640,844	15,444	14,983
13	0	99.357	81.872,648	3.285.695,824	40,132	39,671	63	50	82.065	32.121,438	478.512,700	14,897	14,436
14	1	98.967	80.346,017	3.203.823,176	39,875	39,415	64	51	80.674	31.110,608	446.391,263	14,349	13,888
15	2	98.913	79.115,689	3.123.477,159	39,480	39,019	65	52	79.181	30.083,339	415.280,655	13,804	13,344
16	3	98.870	77.912,697	3.044.361,470	39,074	38,613	66	53	77.559	29.031,656	385.197,315	13,268	12,807
17	4	98.815	76.718,707	2.966.448,772	38,667	38,206	67	54	75.834	27.966,731	356.165,659	12,735	12,275
18	5	98.752	75.536,865	2.889.730,066	38,256	37,795	68	55	73.952	26.869,449	328.198,927	12,215	11,754
19	6	98.665	74.354,387	2.814.193,201	37,848	37,388	69	56	71.930	25.748,684	301.329,479	11,703	11,242
20	7	98.576	73.189,809	2.739.838,814	37,435	36,974	70	57	69.797	24.615,661	275.580,795	11,195	10,735
21	8	98.493	72.047,089	2.666.649,005	37,013	36,552	71	58	67.504	23.455,112	250.965,135	10,700	10,239
22	9	98.406	70.919,889	2.594.601,916	36,585	36,124	72	59	65.063	22.273,006	227.510,022	10,215	9,754
23	10	98.325	69.814,620	2.523.682,027	36,148	35,688	73	60	62.453	21.063,683	205.237,016	9,744	9,283
24	11	98.244	68.726,114	2.453.867,407	35,705	35,244	74	61	59.701	19.837,730	184.173,334	9,284	8,823
25	12	98.164	67.654,983	2.385.141,293	35,254	34,794	75	62	56.844	18.609,466	164.335,604	8,831	8,370
26	13	98.084	66.600,743	2.317.486,310	34,797	34,336	76	63	53.875	17.376,707	145.726,137	8,386	7,925
27	14	98.004	65.563,216	2.250.885,567	34,332	33,871	77	64	50.839	16.155,227	128.349,431	7,945	7,484
28	15	97.922	64.540,585	2.185.322,351	33,860	33,399	78	65	47.705	14.935,250	112.194,203	7,512	7,051
29	16	97.833	63.528,692	2.120.781,766	33,383	32,922	79	66	44.443	13.708,433	97.258,953	7,095	6,634
30	17	97.743	62.532,577	2.057.253,073	32,899	32,438	80	67	41.108	12.492,276	83.550,521	6,688	6,227
31	18	97.651	61.549,896	1.994.720,497	32,408	31,947	81	68	37.666	11.277,163	71.058,244	6,301	5,840
32	19	97.545	60.574,980	1.933.170,600	31,914	31,453	82	69	34.178	10.081,637	59.781,082	5,930	5,469
33	20	97.438	59.614,360	1.872.595,621	31,412	30,951	83	70	30.575	8.885,505	49.699,444	5,593	5,133
34	21	97.322	58.663,303	1.812.981,261	30,905	30,444	84	71	27.069	7.750,433	40.813,939	5,266	4,805
35	22	97.205	57.727,030	1.754.317,958	30,390	29,929	85	72	23.694	6.683,778	33.063,506	4,947	4,486
36	23	97.077	56.799,021	1.696.590,928	29,870	29,409	86	73	20.563	5.714,863	26.379,727	4,616	4,155
37	24	96.943	55.881,873	1.639.791,908	29,344	28,883	87	74	17.476	4.785,063	20.664,864	4,319	3,858
38	25	96.799	54.974,577	1.583.910,035	28,812	28,351	88	75	14.513	3.915,187	15.879,801	4,056	3,595
39	26	96.642	54.074,203	1.528.935,457	28,275	27,814	89	76	11.797	3.135,476	11.964,614	3,816	3,355
40	27	96.466	53.178,073	1.474.861,255	27,734	27,274	90	77	9.396	2.460,375	8.829,138	3,589	3,128
41	28	96.272	52.286,719	1.421.683,181	27,190	26,729	91	78	7.327	1.890,166	6.368,763	3,369	2,909
42	29	96.060	51.400,887	1.369.396,463	26,641	26,181	92	79	5.555	1.411,795	4.478,597	3,172	2,711
43	30	95.820	50.514,786	1.317.995,576	26,091	25,630	93	80	4.098	1.026,076	3.066,803	2,989	2,528
44	31	95.552	49.628,804	1.267.480,790	25,539	25,078	94	81	2.933	723,498	2.040,727	2,821	2,360
45	32	95.262	48.746,776	1.217.851,986	24,983	24,522	95	82	2.033	494,110	1.317,229	2,666	2,205
46	33	94.935	47.861,576	1.169.105,210	24,427	23,966	96	83	1.360	325,786	823,118	2,527	2,066
47	34	94.575	46.975,430	1.121.243,634	23,869	23,408	97	84	880	207,521	497,333	2,397	1,936
48	35	94.176	46.086,133	1.074.268,204	23,310	22,849	98	85	548	127,314	289,812	2,276	1,816
49	36	93.744	45.196,542	1.028.182,070	22,749	22,288	99	86	329	75,315	162,498	2,158	1,697
							100	87	189	42,550	87,183	2,049	1,588

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 14 Jahre

Zinsfuß 1,50%

Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	36	93.323	44.328,753	986.697,118	22,259	21,798
1							51	37	92.808	43.432,658	942.368,365	21,697	21,236
2							52	38	92.270	42.543,002	898.935,707	21,130	20,669
3							53	39	91.665	41.639,318	856.392,705	20,567	20,106
4							54	40	91.016	40.733,475	814.753,387	20,002	19,541
5							55	41	90.319	39.824,331	774.019,912	19,436	18,975
6							56	42	89.555	38.903,605	734.195,581	18,872	18,411
7							57	43	88.753	37.985,740	695.291,977	18,304	17,843
8							58	44	87.871	37.052,392	657.306,237	17,740	17,279
9							59	45	86.913	36.106,596	620.253,845	17,178	16,718
10							60	46	85.863	35.143,261	584.147,249	16,622	16,161
11							61	47	84.744	34.172,611	549.003,988	16,066	15,605
12							62	48	83.563	33.198,523	514.831,377	15,508	15,047
13							63	49	82.263	32.198,931	481.632,854	14,958	14,497
14	0	99.344	80.652,249	3.208.310,800	39,780	39,319	64	50	80.879	31.189,412	449.433,923	14,410	13,949
15	1	98.948	79.144,034	3.127.658,551	39,519	39,058	65	51	79.401	30.167,121	418.244,511	13,864	13,403
16	2	98.890	77.928,105	3.048.514,518	39,120	38,659	66	52	77.794	29.119,691	388.077,390	13,327	12,866
17	3	98.832	76.731,878	2.970.586,413	38,714	38,253	67	53	76.075	28.055,317	358.957,699	12,795	12,334
18	4	98.765	75.546,622	2.893.854,535	38,306	37,845	68	54	74.210	26.963,233	330.902,381	12,272	11,812
19	5	98.678	74.364,108	2.818.307,913	37,899	37,438	69	55	72.204	25.846,561	303.939,148	11,759	11,299
20	6	98.585	73.196,553	2.743.943,805	37,487	37,027	70	56	70.078	24.714,884	278.092,587	11,252	10,791
21	7	98.501	72.053,365	2.670.747,252	37,066	36,605	71	57	67.806	23.560,264	253.377,703	10,754	10,294
22	8	98.415	70.926,698	2.598.693,888	36,639	36,178	72	58	65.378	22.380,783	229.817,439	10,269	9,808
23	9	98.332	69.819,131	2.527.767,190	36,205	35,744	73	59	62.772	21.171,313	207.436,656	9,798	9,337
24	10	98.252	68.731,894	2.457.948,059	35,761	35,301	74	60	60.031	19.947,526	186.265,343	9,338	8,877
25	11	98.173	67.661,328	2.389.216,164	35,311	34,851	75	61	57.166	18.714,781	166.317,817	8,887	8,426
26	12	98.092	66.606,400	2.321.554,836	34,855	34,394	76	62	54.216	17.486,749	147.603,036	8,441	7,980
27	13	98.013	65.569,569	2.254.948,437	34,390	33,929	77	63	51.187	16.265,865	130.116,287	7,999	7,539
28	14	97.934	64.548,107	2.189.378,868	33,919	33,458	78	64	48.056	15.045,273	113.850,421	7,567	7,106
29	15	97.850	63.540,045	2.124.830,761	33,441	32,980	79	65	44.809	13.821,317	98.805,148	7,149	6,688
30	16	97.764	62.545,822	2.061.290,716	32,956	32,496	80	66	41.484	12.606,448	84.983,832	6,741	6,281
31	17	97.672	61.563,441	1.998.744,894	32,466	32,006	81	67	38.053	11.392,972	72.377,384	6,353	5,892
32	18	97.573	60.592,405	1.937.181,452	31,971	31,510	82	68	34.573	10.198,281	60.984,412	5,980	5,519
33	19	97.465	59.630,890	1.876.589,047	31,470	31,009	83	69	30.970	9.000,333	50.786,131	5,643	5,182
34	20	97.353	58.681,838	1.816.958,157	30,963	30,502	84	70	27.459	7.862,182	41.785,798	5,315	4,854
35	21	97.229	57.741,157	1.758.276,319	30,451	29,990	85	71	24.084	6.793,923	33.923,615	4,993	4,532
36	22	97.104	56.814,403	1.700.535,162	29,931	29,471	86	72	20.940	5.819,789	27.129,692	4,662	4,201
37	23	96.968	55.896,457	1.643.720,759	29,407	28,946	87	73	17.839	4.884,574	21.309,903	4,363	3,902
38	24	96.825	54.989,517	1.587.824,302	28,875	28,414	88	74	14.851	4.006,379	16.425,330	4,100	3,639
39	25	96.666	54.087,512	1.532.834,786	28,340	27,879	89	75	12.111	3.218,935	12.418,951	3,858	3,397
40	26	96.493	53.192,965	1.478.747,274	27,800	27,339	90	76	9.676	2.533,722	9.200,016	3,631	3,170
41	27	96.300	52.301,961	1.425.554,309	27,256	26,795	91	77	7.573	1.953,726	6.666,294	3,412	2,951
42	28	96.089	51.416,148	1.373.252,348	26,709	26,248	92	78	5.768	1.466,133	4.712,568	3,214	2,753
43	29	95.849	50.529,576	1.321.836,199	26,160	25,699	93	79	4.277	1.071,134	3.246,436	3,031	2,570
44	30	95.583	49.645,059	1.271.306,623	25,608	25,147	94	80	3.083	760,548	2.175,301	2,860	2,399
45	31	95.296	48.764,195	1.221.661,564	25,052	24,592	95	81	2.153	523,280	1.414,754	2,704	2,243
46	32	94.968	47.878,600	1.172.897,369	24,497	24,037	96	82	1.454	348,294	891,474	2,560	2,099
47	33	94.612	46.994,208	1.125.018,769	23,940	23,479	97	83	947	223,539	543,180	2,430	1,969
48	34	94.220	46.107,750	1.078.024,561	23,381	22,920	98	84	596	138,439	319,641	2,309	1,848
49	35	93.792	45.219,693	1.031.916,811	22,820	22,359	99	85	360	82,475	181,201	2,197	1,736
							100	86	210	47,321	98,726	2,086	1,626

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 15 Jahre

Zinsfuß 1,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	35	93.371	44.351,459	990.096,370	22,324	21,863
1							51	36	92.860	43.457,231	945.744,911	21,763	21,302
2							52	37	92.327	42.569,106	902.287,679	21,196	20,735
3							53	38	91.729	41.668,466	859.718,574	20,632	20,172
4							54	39	91.089	40.766,099	818.050,108	20,067	19,606
5							55	40	90.398	39.859,008	777.284,009	19,501	19,040
6							56	41	89.643	38.942,098	737.425,001	18,936	18,476
7							57	42	88.853	38.028,510	698.482,903	18,367	17,907
8							58	43	87.985	37.100,549	660.454,393	17,802	17,341
9							59	44	87.034	36.156,927	623.353,845	17,240	16,779
10							60	45	85.999	35.199,087	587.196,918	16,682	16,221
11							61	46	84.896	34.234,095	551.997,831	16,124	15,663
12							62	47	83.726	33.263,208	517.763,736	15,566	15,105
13							63	48	82.437	32.267,336	484.500,528	15,015	14,554
14							64	49	81.074	31.264,657	452.233,192	14,465	14,004
15	0	99.326	79.445,684	3.131.798,834	39,421	38,960	65	50	79.602	30.243,535	420.968,535	13,919	13,458
16	1	98.925	77.956,024	3.052.353,150	39,155	38,694	66	51	78.011	29.200,789	390.725,000	13,381	12,920
17	2	98.852	76.747,051	2.974.397,126	38,756	38,295	67	52	76.305	28.140,392	361.524,211	12,847	12,386
18	3	98.782	75.559,592	2.897.650,075	38,349	37,888	68	53	74.445	27.048,440	333.383,819	12,325	11,865
19	4	98.690	74.373,714	2.822.090,483	37,945	37,484	69	54	72.456	25.936,775	306.335,179	11,811	11,350
20	5	98.598	73.206,123	2.747.716,769	37,534	37,073	70	55	70.344	24.808,832	280.398,404	11,302	10,842
21	6	98.510	72.060,005	2.674.510,646	37,115	36,654	71	56	68.079	23.655,233	255.589,572	10,805	10,344
22	7	98.424	70.932,875	2.602.450,642	36,689	36,228	72	57	65.671	22.481,119	231.934,339	10,317	9,856
23	8	98.341	69.825,834	2.531.517,767	36,255	35,794	73	58	63.076	21.273,759	209.453,221	9,846	9,385
24	9	98.259	68.736,336	2.461.691,933	35,814	35,353	74	59	60.338	20.049,453	188.179,461	9,386	8,925
25	10	98.181	67.667,018	2.392.955,597	35,364	34,903	75	60	57.482	18.818,362	168.130,008	8,934	8,474
26	11	98.101	66.612,647	2.325.288,579	34,908	34,447	76	61	54.523	17.585,710	149.311,646	8,491	8,030
27	12	98.022	65.575,138	2.258.675,932	34,444	33,983	77	62	51.511	16.368,873	131.725,936	8,047	7,587
28	13	97.943	64.554,362	2.193.100,794	33,973	33,512	78	63	48.386	15.148,309	115.357,063	7,615	7,154
29	14	97.862	63.547,450	2.128.546,433	33,495	33,035	79	64	45.139	13.923,134	100.208,753	7,197	6,736
30	15	97.782	62.556,999	2.064.998,983	33,010	32,549	80	65	41.825	12.710,257	86.285,619	6,789	6,328
31	16	97.693	61.576,482	2.002.441,983	32,520	32,059	81	66	38.401	11.497,097	73.575,362	6,399	5,939
32	17	97.595	60.605,740	1.940.865,502	32,024	31,564	82	67	34.928	10.303,011	62.078,266	6,025	5,564
33	18	97.493	59.648,044	1.880.259,762	31,523	31,062	83	68	31.328	9.104,466	51.775,255	5,687	5,226
34	19	97.380	58.698,110	1.820.611,718	31,017	30,556	84	69	27.814	7.963,786	42.670,788	5,358	4,897
35	20	97.260	57.759,401	1.761.913,608	30,504	30,044	85	70	24.432	6.891,881	34.707,003	5,036	4,575
36	21	97.128	56.828,307	1.704.154,207	29,988	29,527	86	71	21.286	5.915,696	27.815,121	4,702	4,241
37	22	96.994	55.911,594	1.647.325,900	29,463	29,002	87	72	18.167	4.974,255	21.899,426	4,403	3,942
38	23	96.851	55.003,868	1.591.414,306	28,933	28,472	88	73	15.160	4.089,696	16.925,171	4,138	3,678
39	24	96.692	54.102,210	1.536.410,438	28,398	27,937	89	74	12.393	3.293,910	12.835,475	3,897	3,436
40	25	96.517	53.206,057	1.482.308,228	27,860	27,399	90	75	9.934	2.601,164	9.541,565	3,668	3,207
41	26	96.327	52.316,608	1.429.102,171	27,316	26,856	91	76	7.799	2.011,969	6.940,401	3,450	2,989
42	27	96.117	51.431,137	1.376.785,563	26,769	26,309	92	77	5.962	1.515,433	4.928,433	3,252	2,791
43	28	95.877	50.544,579	1.325.354,426	26,221	25,761	93	78	4.442	1.112,361	3.412,999	3,068	2,607
44	29	95.611	49.659,595	1.274.809,848	25,671	25,210	94	79	3.218	793,946	2.300,638	2,898	2,437
45	30	95.327	48.780,167	1.225.150,253	25,116	24,655	95	80	2.263	550,077	1.506,692	2,739	2,278
46	31	95.002	47.895,709	1.176.370,086	24,561	24,100	96	81	1.540	368,855	956,616	2,593	2,133
47	32	94.646	47.010,924	1.128.474,377	24,005	23,544	97	82	1.013	238,983	587,761	2,459	1,999
48	33	94.258	46.126,181	1.081.463,453	23,446	22,985	98	83	642	149,125	348,777	2,339	1,878
49	34	93.836	45.240,902	1.035.337,272	22,885	22,424	99	84	392	89,683	199,652	2,226	1,765
							100	85	230	51,820	109,970	2,122	1,661

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 16 Jahre

Zinsfuß 1,50%

Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	34	93.414	44.372,262	993.209,606	22,384	21,923
1							51	35	92.908	43.479,491	948.837,344	21,823	21,362
2							52	36	92.379	42.593,190	905.357,853	21,256	20,795
3							53	37	91.786	41.694,033	862.764,662	20,693	20,232
4							54	38	91.153	40.794,635	821.070,629	20,127	19,666
5							55	39	90.470	39.890,931	780.275,994	19,560	19,099
6							56	40	89.721	38.976,007	740.385,063	18,996	18,535
7							57	41	88.941	38.066,138	701.409,056	18,426	17,965
8							58	42	88.085	37.142,322	663.342,919	17,859	17,399
9							59	43	87.147	36.203,920	626.200,597	17,296	16,836
10							60	44	86.119	35.248,153	589.996,677	16,738	16,278
11							61	45	85.031	34.288,477	554.748,524	16,179	15,718
12							62	46	83.876	33.323,056	520.460,048	15,619	15,158
13							63	47	82.598	32.330,207	487.136,992	15,068	14,607
14							64	48	81.246	31.331,077	454.806,785	14,516	14,055
15							65	49	79.794	30.316,498	423.475,708	13,968	13,508
16	0	99.302	78.253,146	3.056.174,865	39,055	38,594	66	50	78.208	29.274,755	393.159,209	13,430	12,969
17	1	98.887	76.774,548	2.977.921,719	38,788	38,327	67	51	76.518	28.218,762	363.884,454	12,895	12,434
18	2	98.802	75.574,534	2.901.147,171	38,388	37,927	68	52	74.671	27.130,662	335.665,692	12,372	11,911
19	3	98.707	74.386,482	2.825.572,637	37,985	37,524	69	53	72.685	26.018,931	308.535,030	11,858	11,397
20	4	98.611	73.215,579	2.751.186,155	37,577	37,116	70	54	70.590	24.895,424	282.516,099	11,348	10,887
21	5	98.523	72.069,426	2.677.970,576	37,158	36,697	71	55	68.338	23.745,153	257.620,675	10,849	10,389
22	6	98.433	70.939,412	2.605.901,151	36,734	36,273	72	56	65.936	22.571,738	233.875,523	10,361	9,901
23	7	98.350	69.831,916	2.534.961,739	36,301	35,840	73	57	63.359	21.369,132	211.303,785	9,888	9,427
24	8	98.268	68.742,934	2.465.129,823	35,860	35,399	74	58	60.630	20.146,471	189.934,653	9,428	8,967
25	9	98.187	67.671,391	2.396.386,889	35,412	34,951	75	59	57.776	18.914,519	169.788,182	8,977	8,516
26	10	98.109	66.618,249	2.328.715,498	34,956	34,495	76	60	54.825	17.683,042	150.873,662	8,532	8,071
27	11	98.031	65.581,288	2.262.097,249	34,493	34,032	77	61	51.803	16.461,508	133.190,621	8,091	7,630
28	12	97.952	64.559,844	2.196.515,961	34,023	33,562	78	62	48.692	15.244,240	116.729,113	7,657	7,196
29	13	97.871	63.553,608	2.131.956,116	33,546	33,085	79	63	45.448	14.018,485	101.484,873	7,239	6,779
30	14	97.793	62.564,290	2.068.402,509	33,060	32,600	80	64	42.133	12.803,889	87.466,388	6,831	6,370
31	15	97.710	61.587,485	2.005.838,219	32,569	32,108	81	65	38.717	11.591,771	74.662,498	6,441	5,980
32	16	97.616	60.618,577	1.944.250,734	32,074	31,613	82	66	35.248	10.397,174	63.070,727	6,066	5,605
33	17	97.515	59.661,171	1.883.632,156	31,572	31,111	83	67	31.650	9.197,963	52.673,553	5,727	5,266
34	18	97.408	58.714,996	1.823.970,985	31,065	30,604	84	68	28.136	8.055,926	43.475,590	5,397	4,936
35	19	97.287	57.775,417	1.765.255,990	30,554	30,093	85	69	24.747	6.980,945	35.419,664	5,074	4,613
36	20	97.158	56.846,262	1.707.480,573	30,037	29,576	86	70	21.592	6.000,991	28.438,719	4,739	4,278
37	21	97.018	55.925,277	1.650.634,311	29,515	29,054	87	71	18.466	5.056,228	22.437,728	4,438	3,977
38	22	96.877	55.018,764	1.594.709,034	28,985	28,524	88	72	15.438	4.164,783	17.381,500	4,173	3,713
39	23	96.717	54.116,330	1.539.690,270	28,451	27,991	89	73	12.651	3.362,410	13.216,717	3,931	3,470
40	24	96.543	53.220,516	1.485.573,941	27,914	27,453	90	74	10.165	2.661,750	9.854,306	3,702	3,241
41	25	96.351	52.329,484	1.432.353,425	27,372	26,911	91	75	8.006	2.065,523	7.192,557	3,482	3,021
42	26	96.144	51.445,539	1.380.023,940	26,825	26,364	92	76	6.140	1.560,610	5.127,034	3,285	2,824
43	27	95.905	50.559,314	1.328.578,401	26,278	25,817	93	77	4.591	1.149,766	3.566,424	3,102	2,641
44	28	95.640	49.674,339	1.278.019,087	25,728	25,267	94	78	3.342	824,504	2.416,658	2,931	2,470
45	29	95.355	48.794,449	1.228.344,748	25,174	24,713	95	79	2.362	574,232	1.592,154	2,773	2,312
46	30	95.034	47.911,396	1.179.550,299	24,619	24,159	96	80	1.619	387,744	1.017,922	2,625	2,164
47	31	94.680	47.027,723	1.131.638,903	24,063	23,602	97	81	1.073	253,092	630,178	2,490	2,029
48	32	94.291	46.142,588	1.084.611,180	23,506	23,045	98	82	686	159,428	377,086	2,365	1,904
49	33	93.873	45.258,987	1.038.468,592	22,945	22,484	99	83	422	96,605	217,658	2,253	1,792
							100	84	250	56,348	121,053	2,148	1,687

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 17 Jahre

Zinsfuß 1,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	33	93.452	44.389,999	996.059,799	22,439	21,978
1							51	34	92.951	43.499,885	951.669,800	21,878	21,417
2							52	35	92.427	42.615,007	908.169,915	21,311	20,850
3							53	36	91.837	41.717,623	865.554,908	20,748	20,287
4							54	37	91.209	40.819,666	823.837,285	20,182	19,722
5							55	38	90.534	39.918,855	783.017,619	19,615	19,154
6							56	39	89.793	39.007,223	743.098,764	19,050	18,589
7							57	40	89.019	38.099,283	704.091,541	18,480	18,020
8							58	41	88.172	37.179,073	665.992,258	17,913	17,452
9							59	42	87.245	36.244,683	628.813,185	17,349	16,888
10							60	43	86.231	35.293,965	592.568,502	16,790	16,329
11							61	44	85.149	34.336,273	557.274,537	16,230	15,769
12							62	45	84.010	33.375,990	522.938,264	15,668	15,207
13							63	46	82.747	32.388,376	489.562,273	15,115	14,655
14							64	47	81.404	31.392,124	457.173,898	14,563	14,103
15							65	48	79.964	30.380,904	425.781,774	14,015	13,554
16							66	49	78.397	29.345,381	395.400,870	13,474	13,013
17	0	99.264	77.067,167	2.981.451,384	38,686	38,226	67	50	76.712	28.290,241	366.055,489	12,939	12,478
18	1	98.837	75.601,610	2.904.384,218	38,417	37,956	68	51	74.879	27.206,220	337.765,248	12,415	11,954
19	2	98.727	74.401,192	2.828.782,608	38,021	37,560	69	52	72.906	26.097,830	310.559,028	11,900	11,439
20	3	98.628	73.228,148	2.754.381,416	37,614	37,153	70	53	70.813	24.974,281	284.461,197	11,390	10,929
21	4	98.536	72.078,735	2.681.153,267	37,198	36,737	71	54	68.577	23.828,032	259.486,916	10,890	10,429
22	5	98.446	70.948,686	2.609.074,532	36,774	36,313	72	55	66.186	22.657,539	235.658,884	10,401	9,940
23	6	98.359	69.838,351	2.538.125,846	36,343	35,882	73	56	63.614	21.455,269	213.001,345	9,928	9,467
24	7	98.277	68.748,922	2.468.287,495	35,903	35,442	74	57	60.902	20.236,790	191.546,077	9,465	9,004
25	8	98.197	67.677,888	2.399.538,573	35,455	34,994	75	58	58.056	19.006,046	171.309,287	9,013	8,553
26	9	98.116	66.622,554	2.331.860,686	35,001	34,540	76	59	55.105	17.773,398	152.303,241	8,569	8,108
27	10	98.039	65.586,803	2.265.238,132	34,538	34,077	77	60	52.090	16.552,617	134.529,843	8,127	7,667
28	11	97.961	64.565,899	2.199.651,329	34,068	33,608	78	61	48.967	15.330,510	117.977,226	7,696	7,235
29	12	97.880	63.559,006	2.135.085,429	33,592	33,131	79	62	45.736	14.107,261	102.646,716	7,276	6,815
30	13	97.802	62.570,352	2.071.526,424	33,107	32,646	80	63	42.422	12.891,576	88.539,455	6,868	6,407
31	14	97.722	61.594,663	2.008.956,072	32,616	32,155	81	64	39.002	11.677,164	75.647,879	6,478	6,017
32	15	97.633	60.629,410	1.947.361,409	32,119	31,658	82	65	35.538	10.482,791	63.970,715	6,102	5,642
33	16	97.536	59.673,808	1.886.731,999	31,617	31,157	83	66	31.939	9.282,027	53.487,924	5,763	5,302
34	17	97.429	58.727,917	1.827.058,190	31,111	30,650	84	67	28.425	8.138,655	44.205,897	5,432	4,971
35	18	97.315	57.792,037	1.768.330,274	30,598	30,137	85	68	25.034	7.061,714	36.067,242	5,107	4,647
36	19	97.185	56.862,025	1.710.538,236	30,082	29,621	86	69	21.872	6.078,542	29.005,528	4,772	4,311
37	20	97.049	55.942,947	1.653.676,212	29,560	29,099	87	70	18.732	5.129,131	22.926,986	4,470	4,009
38	21	96.901	55.032,228	1.597.733,265	29,033	28,572	88	71	15.693	4.233,416	17.797,855	4,204	3,743
39	22	96.743	54.130,985	1.542.701,036	28,499	28,039	89	72	12.883	3.424,145	13.564,438	3,961	3,501
40	23	96.568	53.234,405	1.488.570,051	27,963	27,502	90	73	10.376	2.717,103	10.140,294	3,732	3,271
41	24	96.377	52.343,705	1.435.335,646	27,421	26,961	91	74	8.193	2.113,633	7.423,190	3,512	3,051
42	25	96.168	51.458,202	1.382.991,941	26,876	26,415	92	75	6.303	1.602,150	5.309,558	3,314	2,853
43	26	95.932	50.573,472	1.331.533,740	26,329	25,868	93	76	4.728	1.184,042	3.707,408	3,131	2,670
44	27	95.668	49.688,820	1.280.960,268	25,780	25,319	94	77	3.454	852,229	2.523,366	2,961	2,500
45	28	95.383	48.808,937	1.231.271,447	25,226	24,766	95	78	2.453	596,334	1.671,137	2,802	2,342
46	29	95.061	47.925,424	1.182.462,511	24,673	24,212	96	79	1.690	404,771	1.074,803	2,655	2,195
47	30	94.711	47.043,125	1.134.537,086	24,117	23,656	97	80	1.128	266,052	670,032	2,518	2,058
48	31	94.325	46.159,076	1.087.493,961	23,560	23,099	98	81	726	168,840	403,980	2,393	1,932
49	32	93.906	45.275,086	1.041.334,885	23,000	22,539	99	82	451	103,279	235,140	2,277	1,816
							100	83	269	60,698	131,861	2,172	1,712

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 18 Jahre

Zinsfuß 1,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	32	93.485	44.405,789	998.668,954	22,490	22,029
1							51	33	92.989	43.517,273	954.263,165	21,928	21,468
2							52	34	92.470	42.634,996	910.745,892	21,361	20,901
3							53	35	91.884	41.738,992	868.110,896	20,799	20,338
4							54	36	91.260	40.842,761	826.371,904	20,233	19,772
5							55	37	90.589	39.943,349	785.529,143	19,666	19,205
6							56	38	89.856	39.034,528	745.585,795	19,101	18,640
7							57	39	89.090	38.129,797	706.551,267	18,530	18,069
8							58	40	88.248	37.211,446	668.421,470	17,963	17,502
9							59	41	87.331	36.280,546	631.210,024	17,398	16,937
10							60	42	86.328	35.333,704	594.929,477	16,837	16,377
11							61	43	85.260	34.380,900	559.595,773	16,276	15,816
12							62	44	84.127	33.422,515	525.214,873	15,714	15,254
13							63	45	82.878	32.439,826	491.792,359	15,160	14,699
14							64	46	81.551	31.448,605	459.352,533	14,606	14,146
15							65	47	80.120	30.440,099	427.903,928	14,057	13,596
16							66	48	78.563	29.407,724	397.463,829	13,516	13,055
17							67	49	76.897	28.358,492	368.056,105	12,979	12,518
18	0	99.214	75.889,758	2.907.646,209	38,314	37,853	68	50	75.069	27.275,134	339.697,613	12,454	11,994
19	1	98.762	74.427,848	2.831.756,451	38,047	37,586	69	51	73.109	26.170,512	312.422,479	11,938	11,477
20	2	98.647	73.242,630	2.757.328,603	37,646	37,186	70	52	71.028	25.050,012	286.251,967	11,427	10,966
21	3	98.553	72.091,109	2.684.085,974	37,232	36,771	71	53	68.794	23.903,509	261.201,955	10,927	10,467
22	4	98.459	70.957,851	2.611.994,864	36,811	36,350	72	54	66.417	22.736,622	237.298,446	10,437	9,976
23	5	98.372	69.847,482	2.541.037,013	36,380	35,919	73	55	63.856	21.536,826	214.561,824	9,963	9,502
24	6	98.286	68.755,257	2.471.189,532	35,942	35,481	74	56	61.147	20.318,363	193.024,998	9,500	9,039
25	7	98.205	67.683,782	2.402.434,274	35,495	35,034	75	57	58.316	19.091,251	172.706,636	9,046	8,586
26	8	98.125	66.628,949	2.334.750,492	35,041	34,580	76	58	55.371	17.859,402	153.615,384	8,601	8,141
27	9	98.046	65.591,042	2.268.121,543	34,580	34,119	77	59	52.356	16.637,197	135.755,982	8,160	7,699
28	10	97.969	64.571,329	2.202.530,501	34,110	33,649	78	60	49.239	15.415,360	119.118,785	7,727	7,266
29	11	97.889	63.564,967	2.137.959,172	33,634	33,173	79	61	45.995	14.187,097	103.703,425	7,310	6,849
30	12	97.811	62.575,667	2.074.394,205	33,150	32,689	80	62	42.690	12.973,215	89.516,328	6,900	6,439
31	13	97.731	61.600,631	2.011.818,539	32,659	32,198	81	63	39.269	11.757,134	76.543,113	6,510	6,050
32	14	97.644	60.636,476	1.950.217,907	32,162	31,702	82	64	35.800	10.560,014	64.785,979	6,135	5,674
33	15	97.553	59.684,472	1.889.581,432	31,660	31,199	83	65	32.202	9.358,461	54.225,965	5,794	5,334
34	16	97.450	58.740,357	1.829.896,960	31,152	30,691	84	66	28.685	8.213,037	44.867,504	5,463	5,002
35	17	97.336	57.804,755	1.771.156,603	30,640	30,180	85	67	25.291	7.134,234	36.654,466	5,138	4,677
36	18	97.213	56.878,382	1.713.351,848	30,123	29,662	86	68	22.125	6.148,870	29.520,233	4,801	4,340
37	19	97.075	55.958,459	1.656.473,465	29,602	29,141	87	69	18.974	5.195,415	23.371,362	4,498	4,038
38	20	96.931	55.049,616	1.600.515,006	29,074	28,613	88	70	15.919	4.294,456	18.175,947	4,232	3,772
39	21	96.767	54.144,233	1.545.465,390	28,543	28,083	89	71	13.096	3.480,573	13.881,492	3,988	3,527
40	22	96.594	53.248,822	1.491.321,157	28,007	27,546	90	72	10.567	2.766,990	10.400,919	3,759	3,298
41	23	96.402	52.357,365	1.438.072,335	27,466	27,006	91	73	8.363	2.157,588	7.633,929	3,538	3,077
42	24	96.194	51.472,185	1.385.714,970	26,922	26,461	92	74	6.450	1.639,467	5.476,342	3,340	2,880
43	25	95.955	50.585,920	1.334.242,785	26,376	25,915	93	75	4.854	1.215,558	3.836,874	3,156	2,696
44	26	95.694	49.702,735	1.283.656,865	25,827	25,366	94	76	3.557	877,635	2.621,316	2,987	2,526
45	27	95.411	48.823,165	1.233.954,130	25,274	24,813	95	77	2.536	616,386	1.743,681	2,829	2,368
46	28	95.090	47.939,654	1.185.130,965	24,721	24,261	96	78	1.755	420,350	1.127,295	2,682	2,221
47	29	94.739	47.056,899	1.137.191,311	24,166	23,706	97	79	1.177	277,735	706,945	2,545	2,085
48	30	94.356	46.174,194	1.090.134,412	23,609	23,148	98	80	764	177,486	429,209	2,418	1,957
49	31	93.940	45.291,264	1.043.960,218	23,050	22,589	99	81	478	109,376	251,723	2,301	1,841
							100	82	288	64,892	142,347	2,194	1,733

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 19 Jahre

Zinsfuß 1,50%

Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	31	93.518	44.421,657	1.001.059,073	22,535	22,075
1							51	32	93.022	43.532,752	956.637,416	21,975	21,514
2							52	33	92.507	42.652,038	913.104,664	21,408	20,947
3							53	34	91.928	41.758,569	870.452,626	20,845	20,384
4							54	35	91.307	40.863,682	828.694,057	20,279	19,819
5							55	36	90.641	39.965,948	787.830,375	19,713	19,252
6							56	37	89.911	39.058,479	747.864,427	19,147	18,687
7							57	38	89.152	38.156,488	708.805,948	18,576	18,115
8							58	39	88.319	37.241,249	670.649,460	18,008	17,547
9							59	40	87.407	36.312,137	633.408,212	17,443	16,983
10							60	41	86.413	35.368,665	597.096,074	16,882	16,421
11							61	42	85.356	34.419,611	561.727,409	16,320	15,859
12							62	43	84.236	33.465,954	527.307,798	15,757	15,296
13							63	44	82.994	32.485,045	493.841,844	15,202	14,741
14							64	45	81.680	31.498,562	461.356,799	14,647	14,186
15							65	46	80.264	30.494,867	429.858,237	14,096	13,635
16							66	47	78.716	29.465,023	399.363,370	13,554	13,093
17							67	48	77.060	28.418,738	369.898,347	13,016	12,555
18							68	49	75.250	27.340,936	341.479,609	12,490	12,029
19	0	99.139	74.711,523	2.834.773,047	37,943	37,482	69	50	73.294	26.236,803	314.138,672	11,973	11,512
20	1	98.683	73.268,870	2.760.061,524	37,670	37,210	70	51	71.226	25.119,776	287.901,870	11,461	11,000
21	2	98.572	72.105,365	2.686.792,654	37,262	36,801	71	52	69.003	23.975,993	262.782,094	10,960	10,499
22	3	98.475	70.970,033	2.614.687,289	36,842	36,381	72	53	66.628	22.808,641	238.806,101	10,470	10,009
23	4	98.384	69.856,504	2.543.717,256	36,413	35,953	73	54	64.079	21.611,997	215.997,459	9,994	9,534
24	5	98.299	68.764,246	2.473.860,752	35,976	35,515	74	55	61.380	20.395,598	194.385,462	9,531	9,070
25	6	98.215	67.690,019	2.405.096,506	35,531	35,070	75	56	58.551	19.168,206	173.989,864	9,077	8,616
26	7	98.134	66.634,753	2.337.406,486	35,078	34,617	76	57	55.620	17.939,468	154.821,658	8,630	8,169
27	8	98.055	65.597,338	2.270.771,734	34,617	34,156	77	58	52.609	16.717,703	136.882,190	8,188	7,727
28	9	97.975	64.575,502	2.205.174,395	34,149	33,688	78	59	49.490	15.494,129	120.164,487	7,755	7,295
29	10	97.897	63.570,312	2.140.598,893	33,673	33,212	79	60	46.250	14.265,618	104.670,358	7,337	6,876
30	11	97.820	62.581,535	2.077.028,581	33,189	32,728	80	61	42.932	13.046,633	90.404,740	6,929	6,469
31	12	97.739	61.605,863	2.014.447,045	32,699	32,238	81	62	39.518	11.831,589	77.358,107	6,538	6,077
32	13	97.654	60.642,351	1.952.841,182	32,203	31,742	82	63	36.045	10.632,334	65.526,518	6,163	5,702
33	14	97.564	59.691,428	1.892.198,831	31,700	31,239	83	64	32.439	9.427,402	54.894,184	5,823	5,362
34	15	97.467	58.750,854	1.832.507,403	31,191	30,730	84	65	28.921	8.280,669	45.466,782	5,491	5,030
35	16	97.357	57.816,999	1.773.756,549	30,679	30,218	85	66	25.522	7.199,436	37.186,113	5,165	4,704
36	17	97.234	56.890,899	1.715.939,550	30,162	29,701	86	67	22.352	6.212,015	29.986,677	4,827	4,366
37	18	97.103	55.974,557	1.659.048,651	29,639	29,179	87	68	19.194	5.255,525	23.774,662	4,524	4,063
38	19	96.958	55.064,880	1.603.074,093	29,112	28,652	88	69	16.125	4.349,953	18.519,137	4,257	3,797
39	20	96.798	54.161,340	1.548.009,213	28,581	28,121	89	70	13.285	3.530,757	14.169,183	4,013	3,552
40	21	96.618	53.261,854	1.493.847,873	28,047	27,586	90	71	10.741	2.812,588	10.638,426	3,782	3,322
41	22	96.428	52.371,544	1.440.586,020	27,507	27,046	91	72	8.517	2.197,201	7.825,838	3,562	3,101
42	23	96.219	51.485,618	1.388.214,475	26,963	26,502	92	73	6.584	1.673,562	5.628,637	3,363	2,902
43	24	95.981	50.599,666	1.336.728,857	26,418	25,957	93	74	4.967	1.243,871	3.955,075	3,180	2,719
44	25	95.718	49.714,968	1.286.129,191	25,870	25,409	94	75	3.652	900,996	2.711,204	3,009	2,548
45	26	95.438	48.836,838	1.236.414,223	25,317	24,856	95	76	2.611	634,762	1.810,209	2,852	2,391
46	27	95.117	47.953,629	1.187.577,385	24,765	24,304	96	77	1.814	434,485	1.175,447	2,705	2,245
47	28	94.767	47.070,871	1.139.623,756	24,211	23,750	97	78	1.222	288,425	740,962	2,569	2,108
48	29	94.384	46.187,714	1.092.552,885	23,655	23,194	98	79	797	185,280	452,537	2,442	1,982
49	30	93.971	45.306,098	1.046.365,171	23,095	22,635	99	80	502	114,978	267,257	2,324	1,864
							100	81	305	68,722	152,279	2,216	1,755

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 20 Jahre

Zinsfuß 1,50%

Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	30	93.549	44.436,206	1.003.248,826	22,577	22,116
1							51	31	93.055	43.548,308	958.812,620	22,017	21,556
2							52	32	92.540	42.667,210	915.264,312	21,451	20,990
3							53	33	91.964	41.775,261	872.597,102	20,888	20,427
4							54	34	91.350	40.882,848	830.821,841	20,322	19,861
5							55	35	90.687	39.986,419	789.938,993	19,755	19,294
6							56	36	89.962	39.080,578	749.952,574	19,190	18,729
7							57	37	89.207	38.179,901	710.871,996	18,619	18,158
8							58	38	88.381	37.267,318	672.692,095	18,050	17,590
9							59	39	87.477	36.341,220	635.424,778	17,485	17,024
10							60	40	86.489	35.399,462	599.083,558	16,924	16,463
11							61	41	85.441	34.453,668	563.684,096	16,361	15,900
12							62	42	84.331	33.503,635	529.230,428	15,796	15,335
13							63	43	83.101	32.527,266	495.726,793	15,240	14,780
14							64	44	81.794	31.542,469	463.199,527	14,685	14,224
15							65	45	80.391	30.543,309	431.657,058	14,133	13,672
16							66	46	78.858	29.518,037	401.113,748	13,589	13,128
17							67	47	77.210	28.474,110	371.595,711	13,050	12,590
18							68	48	75.409	27.399,021	343.121,602	12,523	12,062
19							69	49	73.471	26.300,100	315.722,581	12,005	11,544
20	0	99.059	73.548,128	2.762.853,124	37,565	37,104	70	50	71.406	25.183,405	289.422,482	11,493	11,032
21	1	98.608	72.131,199	2.689.304,996	37,284	36,823	71	51	69.195	24.042,766	264.239,076	10,990	10,530
22	2	98.495	70.984,067	2.617.173,798	36,870	36,409	72	52	66.830	22.877,806	240.196,311	10,499	10,038
23	3	98.401	69.868,497	2.546.189,731	36,443	35,982	73	53	64.282	21.680,454	217.318,505	10,024	9,563
24	4	98.311	68.773,129	2.476.321,234	36,007	35,546	74	54	61.594	20.466,786	195.638,051	9,559	9,098
25	5	98.227	67.698,869	2.407.548,105	35,563	35,102	75	55	58.774	19.241,070	175.171,265	9,104	8,643
26	6	98.143	66.640,893	2.339.849,236	35,111	34,651	76	56	55.844	18.011,780	155.930,195	8,657	8,196
27	7	98.063	65.603,052	2.273.208,343	34,651	34,190	77	57	52.845	16.792,651	137.918,415	8,213	7,752
28	8	97.985	64.581,701	2.207.605,291	34,183	33,722	78	58	49.730	15.569,104	121.125,765	7,780	7,319
29	9	97.903	63.574,420	2.143.023,590	33,709	33,248	79	59	46.486	14.338,512	105.556,661	7,362	6,901
30	10	97.828	62.586,799	2.079.449,169	33,225	32,764	80	60	43.170	13.118,842	91.218,148	6,953	6,492
31	11	97.748	61.611,641	2.016.862,371	32,735	32,274	81	61	39.741	11.898,546	78.099,306	6,564	6,103
32	12	97.662	60.647,502	1.955.250,730	32,240	31,779	82	62	36.273	10.699,665	66.200,760	6,187	5,726
33	13	97.574	59.697,212	1.894.603,227	31,737	31,276	83	63	32.662	9.491,965	55.501,094	5,847	5,386
34	14	97.479	58.757,700	1.834.906,016	31,228	30,768	84	64	29.134	8.341,670	46.009,130	5,516	5,055
35	15	97.374	57.827,331	1.776.148,315	30,715	30,254	85	65	25.732	7.258,721	37.667,460	5,189	4,728
36	16	97.255	56.902,950	1.718.320,984	30,197	29,737	86	66	22.556	6.268,789	30.408,739	4,851	4,390
37	17	97.125	55.986,875	1.661.418,034	29,675	29,214	87	67	19.391	5.309,496	24.139,950	4,547	4,086
38	18	96.986	55.080,721	1.605.431,159	29,147	28,686	88	68	16.311	4.400,282	18.830,453	4,279	3,819
39	19	96.825	54.176,358	1.550.350,437	28,617	28,156	89	69	13.456	3.576,385	14.430,172	4,035	3,574
40	20	96.649	53.278,682	1.496.174,080	28,082	27,621	90	70	10.896	2.853,141	10.853,786	3,804	3,343
41	21	96.452	52.384,361	1.442.895,398	27,544	27,084	91	71	8.657	2.233,410	8.000,645	3,582	3,121
42	22	96.245	51.499,561	1.390.511,037	27,000	26,540	92	72	6.705	1.704,289	5.767,235	3,384	2,923
43	23	96.007	50.612,872	1.339.011,475	26,456	25,995	93	73	5.071	1.269,738	4.062,947	3,200	2,739
44	24	95.744	49.728,478	1.288.398,604	25,909	25,448	94	74	3.737	921,982	2.793,208	3,030	2,569
45	25	95.461	48.848,858	1.238.670,125	25,357	24,896	95	75	2.681	651,657	1.871,227	2,871	2,411
46	26	95.144	47.967,058	1.189.821,268	24,805	24,344	96	76	1.868	447,438	1.219,569	2,726	2,265
47	27	94.794	47.084,593	1.141.854,210	24,251	23,790	97	77	1.264	298,124	772,132	2,590	2,129
48	28	94.412	46.201,428	1.094.769,617	23,696	23,235	98	78	828	192,411	474,008	2,464	2,003
49	29	93.998	45.319,363	1.048.568,189	23,137	22,677	99	79	524	120,027	281,597	2,346	1,885
							100	80	320	72,242	161,570	2,237	1,776

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 21 Jahre

Zinsfuß 1,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	29	93.576	44.449,217	1.005.254,884	22,616	22,155
1							51	30	93.085	43.562,571	960.805,668	22,056	21,595
2							52	31	92.573	42.682,456	917.243,096	21,490	21,029
3							53	32	91.997	41.790,121	874.560,640	20,927	20,467
4							54	33	91.386	40.899,191	832.770,519	20,362	19,901
5							55	34	90.729	40.005,174	791.871,328	19,794	19,333
6							56	35	90.008	39.100,596	751.866,154	19,229	18,768
7							57	36	89.258	38.201,502	712.765,559	18,658	18,197
8							58	37	88.435	37.290,185	674.564,057	18,090	17,629
9							59	38	87.539	36.366,659	637.273,872	17,524	17,063
10							60	39	86.558	35.427,814	600.907,213	16,961	16,501
11							61	40	85.515	34.483,668	565.479,400	16,398	15,938
12							62	41	84.414	33.536,786	530.995,732	15,833	15,372
13							63	42	83.195	32.563,890	497.458,946	15,276	14,816
14							64	43	81.900	31.583,465	464.895,056	14,720	14,259
15							65	44	80.503	30.585,885	433.311,591	14,167	13,706
16							66	45	78.983	29.564,927	402.725,706	13,622	13,161
17							67	46	77.349	28.525,341	373.160,779	13,082	12,621
18							68	47	75.556	27.452,406	344.635,438	12,554	12,093
19							69	48	73.627	26.355,973	317.183,032	12,035	11,574
20							70	49	71.579	25.244,161	290.827,060	11,521	11,060
21	0	98.983	72.406,120	2.691.890,216	37,178	36,717	71	50	69.370	24.103,667	265.582,899	11,018	10,558
22	1	98.530	71.009,499	2.619.484,096	36,889	36,428	72	51	67.016	22.941,520	241.479,232	10,526	10,065
23	2	98.421	69.882,313	2.548.474,598	36,468	36,007	73	52	64.477	21.746,197	218.537,712	10,049	9,589
24	3	98.328	68.784,935	2.478.592,284	36,034	35,573	74	53	61.789	20.531,616	196.791,515	9,585	9,124
25	4	98.240	67.707,614	2.409.807,349	35,591	35,131	75	54	58.979	19.308,228	176.259,899	9,129	8,668
26	5	98.156	66.649,606	2.342.099,735	35,140	34,680	76	55	56.056	18.080,247	156.951,671	8,681	8,220
27	6	98.072	65.609,097	2.275.450,129	34,682	34,221	77	56	53.058	16.860,340	138.871,424	8,237	7,776
28	7	97.993	64.587,326	2.209.841,032	34,215	33,754	78	57	49.953	15.638,902	122.011,084	7,802	7,341
29	8	97.913	63.580,524	2.145.253,705	33,741	33,280	79	58	46.711	14.407,895	106.372,182	7,383	6,922
30	9	97.835	62.590,843	2.081.673,182	33,258	32,798	80	59	43.390	13.185,876	91.964,287	6,974	6,514
31	10	97.757	61.616,823	2.019.082,339	32,768	32,308	81	60	39.961	11.964,401	78.778,410	6,584	6,124
32	11	97.671	60.653,190	1.957.465,516	32,273	31,812	82	61	36.478	10.760,217	66.814,009	6,209	5,749
33	12	97.582	59.702,282	1.896.812,326	31,771	31,310	83	62	32.868	9.552,075	56.053,792	5,868	5,407
34	13	97.488	58.763,394	1.837.110,044	31,263	30,802	84	63	29.334	8.398,797	46.501,717	5,537	5,076
35	14	97.386	57.834,070	1.778.346,650	30,749	30,288	85	64	25.922	7.312,193	38.102,920	5,211	4,750
36	15	97.272	56.913,119	1.720.512,580	30,231	29,770	86	65	22.742	6.320,410	30.790,726	4,872	4,411
37	16	97.145	55.998,735	1.663.599,461	29,708	29,247	87	66	19.568	5.358,022	24.470,316	4,567	4,106
38	17	97.007	55.092,843	1.607.600,726	29,180	28,719	88	67	16.479	4.445,470	19.112,294	4,299	3,838
39	18	96.852	54.191,943	1.552.507,884	28,648	28,188	89	68	13.612	3.617,764	14.666,824	4,054	3,593
40	19	96.675	53.293,455	1.498.315,941	28,114	27,654	90	69	11.037	2.890,013	11.049,061	3,823	3,362
41	20	96.482	52.400,912	1.445.022,485	27,576	27,115	91	70	8.782	2.265,612	8.159,048	3,601	3,140
42	21	96.268	51.512,165	1.392.621,573	27,035	26,574	92	71	6.816	1.732,374	5.893,436	3,402	2,941
43	22	96.033	50.626,578	1.341.109,408	26,490	26,029	93	72	5.164	1.293,051	4.161,062	3,218	2,757
44	23	95.769	49.741,456	1.290.482,830	25,944	25,483	94	73	3.815	941,155	2.868,011	3,047	2,587
45	24	95.487	48.862,132	1.240.741,374	25,393	24,932	95	74	2.743	666,836	1.926,856	2,890	2,429
46	25	95.167	47.978,864	1.191.879,241	24,842	24,381	96	75	1.918	459,347	1.260,020	2,743	2,282
47	26	94.821	47.097,778	1.143.900,377	24,288	23,827	97	76	1.301	307,011	800,673	2,608	2,147
48	27	94.439	46.214,896	1.096.802,599	23,733	23,272	98	77	856	198,881	493,661	2,482	2,021
49	28	94.026	45.332,819	1.050.587,703	23,175	22,714	99	78	544	124,646	294,780	2,365	1,904
							100	79	334	75,414	170,134	2,256	1,795

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 22 Jahre

Zinsfuß 1,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	28	93.604	44.462,414	1.007.094,020	22,650	22,190
1							51	29	93.113	43.575,326	962.631,606	22,091	21,630
2							52	30	92.603	42.696,436	919.056,280	21,525	21,065
3							53	31	92.030	41.805,054	876.359,845	20,963	20,502
4							54	32	91.419	40.913,739	834.554,791	20,398	19,937
5							55	33	90.766	40.021,166	793.641,052	19,831	19,370
6							56	34	90.050	39.118,935	753.619,886	19,265	18,804
7							57	35	89.303	38.221,069	714.500,951	18,694	18,233
8							58	36	88.485	37.311,283	676.279,881	18,125	17,665
9							59	37	87.592	36.388,973	638.968,599	17,559	17,099
10							60	38	86.619	35.452,613	602.579,626	16,997	16,536
11							61	39	85.583	34.511,286	567.127,012	16,433	15,972
12							62	40	84.488	33.565,987	532.615,726	15,868	15,407
13							63	41	83.277	32.596,111	499.049,739	15,310	14,849
14							64	42	81.993	31.619,026	466.453,628	14,752	14,292
15							65	43	80.608	30.625,638	434.834,602	14,198	13,738
16							66	44	79.093	29.606,139	404.208,964	13,653	13,192
17							67	45	77.472	28.570,654	374.602,825	13,111	12,651
18							68	46	75.692	27.501,798	346.032,171	12,582	12,121
19							69	47	73.770	26.407,326	318.530,373	12,062	11,601
20							70	48	71.731	25.297,791	292.123,047	11,547	11,087
21							71	49	69.537	24.161,817	266.825,257	11,043	10,582
22	0	98.906	71.280,145	2.621.879,876	36,783	36,322	72	50	67.186	22.999,631	242.663,439	10,551	10,090
23	1	98.456	69.907,350	2.550.599,731	36,485	36,025	73	51	64.657	21.806,760	219.663,808	10,073	9,612
24	2	98.348	68.798,538	2.480.692,381	36,057	35,597	74	52	61.976	20.593,875	197.857,048	9,608	9,147
25	3	98.257	67.719,238	2.411.893,843	35,616	35,155	75	53	59.166	19.369,388	177.263,173	9,152	8,691
26	4	98.168	66.658,215	2.344.174,606	35,167	34,706	76	54	56.252	18.143,354	157.893,785	8,703	8,242
27	5	98.085	65.617,675	2.277.516,390	34,709	34,248	77	55	53.260	16.924,431	139.750,430	8,257	7,797
28	6	98.002	64.593,278	2.211.898,715	34,243	33,783	78	56	50.154	15.701,941	122.826,000	7,822	7,362
29	7	97.921	63.586,061	2.147.305,437	33,770	33,309	79	57	46.920	14.472,487	107.124,059	7,402	6,941
30	8	97.844	62.596,852	2.083.719,376	33,288	32,827	80	58	43.600	13.249,682	92.651,572	6,993	6,532
31	9	97.763	61.620,804	2.021.122,524	32,799	32,339	81	59	40.166	12.025,537	79.401,890	6,603	6,142
32	10	97.680	60.658,291	1.959.501,720	32,304	31,843	82	60	36.680	10.819,772	67.376,353	6,227	5,766
33	11	97.591	59.707,881	1.898.843,429	31,802	31,341	83	61	33.054	9.606,132	56.556,582	5,888	5,427
34	12	97.497	58.768,385	1.839.135,547	31,295	30,834	84	62	29.519	8.451,985	46.950,450	5,555	5,094
35	13	97.395	57.839,675	1.780.367,162	30,781	30,320	85	63	26.099	7.362,270	38.498,465	5,229	4,768
36	14	97.284	56.919,751	1.722.527,488	30,262	29,802	86	64	22.909	6.366,971	31.136,195	4,890	4,429
37	15	97.163	56.008,742	1.665.607,736	29,738	29,278	87	65	19.729	5.402,143	24.769,224	4,585	4,124
38	16	97.028	55.104,512	1.609.598,995	29,210	28,749	88	66	16.630	4.486,099	19.367,081	4,317	3,856
39	17	96.874	54.203,869	1.554.494,482	28,679	28,218	89	67	13.752	3.654,916	14.880,982	4,071	3,611
40	18	96.703	53.308,786	1.500.290,614	28,143	27,683	90	68	11.165	2.923,450	11.226,066	3,840	3,379
41	19	96.509	52.415,442	1.446.981,827	27,606	27,145	91	69	8.896	2.294,891	8.302,616	3,618	3,157
42	20	96.299	51.528,441	1.394.566,385	27,064	26,603	92	70	6.914	1.757,352	6.007,726	3,419	2,958
43	21	96.056	50.638,968	1.343.037,944	26,522	26,061	93	71	5.249	1.314,360	4.250,373	3,234	2,773
44	22	95.795	49.754,927	1.292.398,976	25,975	25,514	94	72	3.885	958,435	2.936,014	3,063	2,603
45	23	95.512	48.874,884	1.242.644,050	25,425	24,964	95	73	2.800	680,703	1.977,579	2,905	2,444
46	24	95.193	47.991,902	1.193.769,165	24,874	24,414	96	74	1.963	470,046	1.296,875	2,759	2,298
47	25	94.844	47.109,370	1.145.777,263	24,322	23,861	97	75	1.336	315,183	826,829	2,623	2,163
48	26	94.466	46.227,838	1.098.667,893	23,766	23,306	98	76	881	204,810	511,646	2,498	2,037
49	27	94.054	45.346,034	1.052.440,055	23,209	22,748	99	77	563	128,838	306,835	2,382	1,921
							100	78	347	78,317	177,998	2,273	1,812

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 23 Jahre

Zinsfuß 1,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	27	93.631	44.475,375	1.008.781,050	22,682	22,221
1							51	28	93.140	43.588,264	964.305,675	22,123	21,662
2							52	29	92.630	42.708,937	920.717,411	21,558	21,097
3							53	30	92.060	41.818,746	878.008,474	20,996	20,535
4							54	31	91.451	40.928,359	836.189,728	20,431	19,970
5							55	32	90.798	40.035,401	795.261,369	19,864	19,403
6							56	33	90.086	39.134,573	755.225,968	19,298	18,837
7							57	34	89.345	38.238,997	716.091,395	18,727	18,266
8							58	35	88.531	37.330,394	677.852,398	18,158	17,697
9							59	36	87.642	36.409,561	640.522,004	17,592	17,131
10							60	37	86.672	35.474,367	604.112,443	17,030	16,569
11							61	38	85.643	34.535,444	568.638,076	16,465	16,005
12							62	39	84.555	33.592,870	534.102,632	15,899	15,438
13							63	40	83.350	32.624,493	500.509,762	15,342	14,881
14							64	41	82.074	31.650,312	467.885,268	14,783	14,322
15							65	42	80.699	30.660,120	436.234,956	14,228	13,767
16							66	43	79.196	29.644,618	405.574,836	13,681	13,220
17							67	44	77.580	28.610,480	375.930,217	13,140	12,679
18							68	45	75.813	27.545,486	347.319,737	12,609	12,148
19							69	46	73.903	26.454,838	319.774,252	12,088	11,627
20							70	47	71.871	25.347,082	293.319,414	11,572	11,111
21							71	48	69.685	24.213,148	267.972,332	11,067	10,606
22							72	49	67.348	23.055,119	243.759,184	10,573	10,112
23	0	98.831	70.173,796	2.552.821,489	36,379	35,918	73	50	64.820	21.861,997	220.704,066	10,095	9,635
24	1	98.383	68.823,186	2.482.647,694	36,073	35,612	74	51	62.149	20.651,229	198.842,068	9,629	9,168
25	2	98.276	67.732,629	2.413.824,507	35,638	35,177	75	52	59.345	19.428,123	178.190,840	9,172	8,711
26	3	98.185	66.669,659	2.346.091,878	35,190	34,729	76	53	56.430	18.200,824	158.762,717	8,723	8,262
27	4	98.098	65.626,151	2.279.422,219	34,733	34,273	77	54	53.446	16.983,503	140.561,893	8,276	7,816
28	5	98.015	64.601,723	2.213.796,068	34,268	33,808	78	55	50.345	15.761,628	123.578,389	7,840	7,380
29	6	97.930	63.591,921	2.149.194,345	33,797	33,336	79	56	47.109	14.530,824	107.816,762	7,420	6,959
30	7	97.852	62.602,304	2.085.602,424	33,315	32,854	80	57	43.796	13.309,082	93.285,937	7,009	6,548
31	8	97.772	61.626,720	2.023.000,120	32,827	32,366	81	58	40.360	12.083,727	79.976,856	6,619	6,158
32	9	97.686	60.662,211	1.961.373,400	32,333	31,872	82	59	36.868	10.875,058	67.893,128	6,243	5,782
33	10	97.599	59.712,903	1.900.711,190	31,831	31,370	83	60	33.237	9.659,299	57.018,070	5,903	5,442
34	11	97.506	58.773,897	1.840.998,287	31,323	30,863	84	61	29.686	8.499,816	47.358,771	5,572	5,111
35	12	97.403	57.844,587	1.782.224,390	30,811	30,350	85	62	26.264	7.408,894	38.858,955	5,245	4,784
36	13	97.293	56.925,267	1.724.379,803	30,292	29,831	86	63	23.066	6.410,575	31.450,061	4,906	4,445
37	14	97.174	56.015,269	1.667.454,536	29,768	29,307	87	64	19.875	5.441,939	25.039,487	4,601	4,140
38	15	97.045	55.114,360	1.611.439,267	29,238	28,777	88	65	16.766	4.523,040	19.597,547	4,333	3,872
39	16	96.894	54.215,350	1.556.324,907	28,706	28,246	89	66	13.877	3.688,319	15.074,507	4,087	3,626
40	17	96.724	53.320,518	1.502.109,557	28,171	27,711	90	67	11.279	2.953,472	11.386,188	3,855	3,394
41	18	96.537	52.430,521	1.448.789,039	27,633	27,172	91	68	8.998	2.321,443	8.432,716	3,633	3,172
42	19	96.325	51.542,728	1.396.358,518	27,091	26,630	92	69	7.003	1.780,063	6.111,274	3,433	2,972
43	20	96.086	50.654,968	1.344.815,790	26,549	26,088	93	70	5.324	1.333,311	4.331,211	3,248	2,788
44	21	95.818	49.767,103	1.294.160,822	26,004	25,544	94	71	3.949	974,229	2.997,900	3,077	2,616
45	22	95.538	48.888,120	1.244.393,719	25,454	24,993	95	72	2.852	693,201	2.023,671	2,919	2,459
46	23	95.218	48.004,427	1.195.505,599	24,904	24,443	96	73	2.004	479,821	1.330,470	2,773	2,312
47	24	94.870	47.122,172	1.147.501,172	24,352	23,891	97	74	1.367	322,524	850,648	2,637	2,177
48	25	94.489	46.239,216	1.100.378,999	23,798	23,337	98	75	905	210,262	528,124	2,512	2,051
49	26	94.080	45.358,733	1.054.139,783	23,240	22,779	99	76	579	132,678	317,862	2,396	1,935
							100	77	359	80,950	185,184	2,288	1,827

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 24 Jahre

Zinsfuß 1,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	26	93.658	44.487,830	1.010.329,131	22,710	22,249
1							51	27	93.167	43.600,971	965.841,301	22,152	21,691
2							52	28	92.658	42.721,618	922.240,331	21,587	21,126
3							53	29	92.087	41.830,990	879.518,713	21,026	20,565
4							54	30	91.481	40.941,764	837.687,722	20,460	20,000
5							55	31	90.830	40.049,707	796.745,959	19,894	19,433
6							56	32	90.118	39.148,493	756.696,251	19,329	18,868
7							57	33	89.381	38.254,282	717.547,758	18,757	18,297
8							58	34	88.572	37.347,904	679.293,476	18,188	17,727
9							59	35	87.687	36.428,211	641.945,573	17,622	17,161
10							60	36	86.721	35.494,438	605.517,362	17,060	16,599
11							61	37	85.696	34.556,635	570.022,924	16,495	16,035
12							62	38	84.615	33.616,386	535.466,289	15,929	15,468
13							63	39	83.417	32.650,622	501.849,904	15,370	14,910
14							64	40	82.145	31.677,871	469.199,281	14,812	14,351
15							65	41	80.779	30.690,458	437.521,410	14,256	13,795
16							66	42	79.285	29.677,996	406.830,953	13,708	13,247
17							67	43	77.681	28.647,665	377.152,956	13,165	12,704
18							68	44	75.918	27.583,883	348.505,291	12,634	12,174
19							69	45	74.020	26.496,862	320.921,408	12,112	11,651
20							70	46	72.000	25.392,687	294.424,546	11,595	11,134
21							71	47	69.821	24.260,325	269.031,859	11,089	10,629
22							72	48	67.491	23.104,098	244.771,534	10,594	10,133
23							73	49	64.977	21.914,740	221.667,436	10,115	9,654
24	0	98.758	69.085,499	2.484.709,447	35,966	35,505	74	50	62.306	20.703,539	199.752,696	9,648	9,187
25	1	98.312	67.756,896	2.415.623,948	35,651	35,191	75	51	59.510	19.482,230	179.049,158	9,190	8,730
26	2	98.204	66.682,843	2.347.867,052	35,209	34,749	76	52	56.601	18.256,016	159.566,927	8,741	8,280
27	3	98.115	65.637,417	2.281.184,209	34,754	34,294	77	53	53.615	17.037,299	141.310,912	8,294	7,833
28	4	98.028	64.610,068	2.215.546,791	34,291	33,830	78	54	50.520	15.816,642	124.273,612	7,857	7,396
29	5	97.943	63.600,235	2.150.936,723	33,820	33,359	79	55	47.288	14.586,060	108.456,971	7,436	6,975
30	6	97.861	62.608,073	2.087.336,488	33,340	32,879	80	56	43.972	13.362,729	93.870,911	7,025	6,564
31	7	97.781	61.632,088	2.024.728,416	32,852	32,391	81	57	40.541	12.137,900	80.508,182	6,633	6,172
32	8	97.695	60.668,034	1.963.096,328	32,358	31,897	82	58	37.046	10.927,682	68.370,282	6,257	5,796
33	9	97.606	59.716,762	1.902.428,294	31,858	31,397	83	59	33.407	9.708,656	57.442,600	5,917	5,456
34	10	97.514	58.778,840	1.842.711,532	31,350	30,889	84	60	29.851	8.546,860	47.733,944	5,585	5,124
35	11	97.413	57.850,012	1.783.932,692	30,837	30,376	85	61	26.413	7.450,822	39.187,084	5,259	4,799
36	12	97.301	56.930,102	1.726.082,680	30,319	29,859	86	62	23.212	6.451,171	31.736,262	4,919	4,459
37	13	97.183	56.020,697	1.669.152,578	29,795	29,334	87	63	20.011	5.479,208	25.285,091	4,615	4,154
38	14	97.057	55.120,783	1.613.131,882	29,265	28,805	88	64	16.890	4.556,360	19.805,883	4,347	3,886
39	15	96.912	54.225,039	1.558.011,099	28,732	28,272	89	65	13.992	3.718,691	15.249,523	4,101	3,640
40	16	96.745	53.331,812	1.503.786,060	28,197	27,736	90	66	11.382	2.980,465	11.530,832	3,869	3,408
41	17	96.558	52.442,059	1.450.454,248	27,658	27,197	91	67	9.091	2.345,282	8.550,367	3,646	3,185
42	18	96.353	51.557,556	1.398.012,189	27,116	26,655	92	68	7.084	1.800,658	6.205,085	3,446	2,985
43	19	96.113	50.669,014	1.346.454,633	26,574	26,113	93	69	5.393	1.350,541	4.404,427	3,261	2,800
44	20	95.849	49.782,828	1.295.785,619	26,029	25,568	94	70	4.006	988,276	3.053,886	3,090	2,629
45	21	95.561	48.900,085	1.246.002,792	25,481	25,020	95	71	2.899	704,625	2.065,610	2,932	2,471
46	22	95.244	48.017,427	1.197.102,707	24,931	24,470	96	72	2.040	488,631	1.360,985	2,785	2,325
47	23	94.895	47.134,470	1.149.085,280	24,379	23,918	97	73	1.395	329,232	872,354	2,650	2,189
48	24	94.515	46.251,781	1.101.950,810	23,825	23,364	98	74	926	215,159	543,122	2,524	2,063
49	25	94.103	45.369,897	1.055.699,028	23,269	22,808	99	75	595	136,210	327,963	2,408	1,947
							100	76	369	83,363	191,753	2,300	1,839

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 25 Jahre

Zinsfuß 1,50%

Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	25	93.681	44.498,780	1.011.749,166	22,737	22,276
1							51	26	93.194	43.613,181	967.250,386	22,178	21,717
2							52	27	92.685	42.734,072	923.637,205	21,614	21,153
3							53	28	92.114	41.843,410	880.903,133	21,052	20,592
4							54	29	91.508	40.953,751	839.059,723	20,488	20,027
5							55	30	90.860	40.062,825	798.105,972	19,921	19,461
6							56	31	90.151	39.162,482	758.043,147	19,356	18,896
7							57	32	89.413	38.267,889	718.880,665	18,785	18,325
8							58	33	88.607	37.362,833	680.612,776	18,216	17,756
9							59	34	87.728	36.445,297	643.249,943	17,650	17,189
10							60	35	86.765	35.512,619	606.804,646	17,087	16,626
11							61	36	85.744	34.576,186	571.292,027	16,523	16,062
12							62	37	84.667	33.637,012	536.715,841	15,956	15,495
13							63	38	83.475	32.673,478	503.078,829	15,397	14,936
14							64	39	82.211	31.703,242	470.405,351	14,838	14,377
15							65	40	80.849	30.717,181	438.702,108	14,282	13,821
16							66	41	79.364	29.707,362	407.984,928	13,733	13,273
17							67	42	77.768	28.679,921	378.277,566	13,190	12,729
18							68	43	76.017	27.619,734	349.597,645	12,658	12,197
19							69	44	74.124	26.533,797	321.977,911	12,135	11,674
20							70	45	72.114	25.433,024	295.444,114	11,617	11,156
21							71	46	69.947	24.303,975	270.011,090	11,110	10,649
22							72	47	67.622	23.149,115	245.707,115	10,614	10,153
23							73	48	65.115	21.961,296	222.558,001	10,134	9,673
24							74	49	62.457	20.753,487	200.596,704	9,666	9,205
25	0	98.686	68.015,145	2.417.538,443	35,544	35,083	75	50	59.661	19.531,579	179.843,218	9,208	8,747
26	1	98.240	66.706,733	2.349.523,298	35,222	34,761	76	51	56.759	18.306,858	160.311,639	8,757	8,296
27	2	98.134	65.650,397	2.282.816,565	34,772	34,312	77	52	53.778	17.088,963	142.004,780	8,310	7,849
28	3	98.045	64.621,160	2.217.166,167	34,310	33,849	78	53	50.680	15.866,742	124.915,818	7,873	7,412
29	4	97.956	63.608,450	2.152.545,007	33,841	33,380	79	54	47.454	14.636,971	109.049,076	7,450	6,989
30	5	97.874	62.616,258	2.088.936,557	33,361	32,900	80	55	44.139	13.413,524	94.412,105	7,039	6,578
31	6	97.790	61.637,767	2.026.320,299	32,875	32,414	81	56	40.704	12.186,827	80.998,581	6,646	6,186
32	7	97.704	60.673,318	1.964.682,532	32,381	31,921	82	57	37.212	10.976,672	68.811,754	6,269	5,808
33	8	97.615	59.722,494	1.904.009,213	31,881	31,420	83	58	33.569	9.755,635	57.835,082	5,928	5,468
34	9	97.520	58.782,638	1.844.286,719	31,375	30,914	84	59	30.003	8.590,532	48.079,447	5,597	5,136
35	10	97.421	57.854,878	1.785.504,081	30,862	30,401	85	60	26.559	7.492,060	39.488,915	5,271	4,810
36	11	97.311	56.935,441	1.727.649,203	30,344	29,883	86	61	23.344	6.487,680	31.996,854	4,932	4,471
37	12	97.192	56.025,455	1.670.713,762	29,821	29,360	87	62	20.137	5.513,906	25.509,175	4,626	4,166
38	13	97.066	55.126,124	1.614.688,308	29,291	28,830	88	63	17.006	4.587,564	19.995,269	4,359	3,898
39	14	96.923	54.231,358	1.559.562,184	28,758	28,297	89	64	14.095	3.746,086	15.407,705	4,113	3,652
40	15	96.762	53.341,343	1.505.330,826	28,221	27,760	90	65	11.476	3.005,008	11.661,619	3,881	3,420
41	16	96.578	52.453,167	1.451.989,483	27,682	27,221	91	66	9.174	2.366,717	8.656,611	3,658	3,197
42	17	96.374	51.568,902	1.399.536,316	27,139	26,678	92	67	7.157	1.819,150	6.289,895	3,458	2,997
43	18	96.141	50.683,590	1.347.967,414	26,596	26,135	93	68	5.456	1.366,167	4.470,745	3,272	2,812
44	19	95.875	49.796,631	1.297.283,824	26,052	25,591	94	69	4.058	1.001,048	3.104,578	3,101	2,641
45	20	95.591	48.915,535	1.247.487,192	25,503	25,042	95	70	2.941	714,784	2.103,531	2,943	2,482
46	21	95.267	48.029,178	1.198.571,657	24,955	24,494	96	71	2.074	496,683	1.388,746	2,796	2,335
47	22	94.921	47.147,235	1.150.542,479	24,403	23,942	97	72	1.421	335,276	892,063	2,661	2,200
48	23	94.539	46.263,852	1.103.395,244	23,850	23,389	98	73	945	219,634	556,787	2,535	2,074
49	24	94.129	45.382,226	1.057.131,392	23,294	22,833	99	74	609	139,383	337,153	2,419	1,958
							100	75	379	85,582	197,770	2,311	1,850

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 0 Jahre

Zinsfuß 1,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	0	100.000	100.000,000	4.061.944,596	40,619	40,158	50	50	91.638	38.490,566	764.448,282	19,861	19,399
1	1	99.166	97.460,254	3.961.944,596	40,652	40,191	51	51	90.953	37.546,008	725.957,716	19,335	18,874
2	2	99.090	95.711,047	3.864.484,342	40,377	39,915	52	52	90.231	36.607,131	688.411,708	18,805	18,344
3	3	99.051	94.027,379	3.768.773,295	40,082	39,620	53	53	89.431	35.658,392	651.804,577	18,279	17,818
4	4	99.016	92.377,483	3.674.745,916	39,780	39,318	54	54	88.588	34.714,862	616.146,185	17,749	17,288
5	5	98.990	90.764,782	3.582.368,432	39,469	39,008	55	55	87.680	33.768,275	581.431,323	17,218	16,757
6	6	98.963	89.179,842	3.491.603,650	39,152	38,691	56	56	86.694	32.814,336	547.663,048	16,690	16,229
7	7	98.942	87.627,746	3.402.423,808	38,828	38,367	57	57	85.670	31.868,941	514.848,712	16,155	15,694
8	8	98.922	86.102,502	3.314.796,062	38,498	38,037	58	58	84.550	30.911,236	482.979,771	15,625	15,164
9	9	98.900	84.603,440	3.228.693,560	38,163	37,701	59	59	83.341	29.945,171	452.068,536	15,097	14,635
10	10	98.885	83.135,190	3.144.090,120	37,819	37,358	60	60	82.046	28.972,755	422.123,365	14,570	14,108
11	11	98.867	81.690,799	3.060.954,930	37,470	37,009	61	61	80.675	27.998,910	393.150,610	14,042	13,580
12	12	98.844	80.266,671	2.979.264,131	37,117	36,656	62	62	79.258	27.033,850	365.151,700	13,507	13,046
13	13	98.822	78.869,162	2.898.997,460	36,757	36,296	63	63	77.698	26.046,074	338.117,850	12,982	12,520
14	14	98.800	77.495,130	2.820.128,298	36,391	35,930	64	64	76.054	25.056,593	312.071,776	12,455	11,993
15	15	98.770	76.139,366	2.742.633,168	36,021	35,560	65	65	74.307	24.059,767	287.015,183	11,929	11,468
16	16	98.729	74.798,826	2.666.493,802	35,649	35,188	66	66	72.409	23.042,105	262.955,416	11,412	10,951
17	17	98.670	73.468,641	2.591.694,976	35,276	34,815	67	67	70.380	22.011,316	239.913,311	10,900	10,438
18	18	98.599	72.152,576	2.518.226,335	34,901	34,440	68	68	68.173	20.954,181	217.901,995	10,399	9,938
19	19	98.496	70.837,458	2.446.073,759	34,531	34,070	69	69	65.800	19.876,981	196.947,814	9,908	9,447
20	20	98.389	69.543,768	2.375.236,301	34,155	33,693	70	70	63.288	18.789,237	177.070,833	9,424	8,963
21	21	98.283	68.274,150	2.305.692,532	33,771	33,310	71	71	60.609	17.684,479	158.281,596	8,950	8,489
22	22	98.182	67.030,885	2.237.418,382	33,379	32,918	72	72	57.749	16.560,104	140.597,117	8,490	8,029
23	23	98.081	65.810,528	2.170.387,497	32,979	32,518	73	73	54.711	15.419,215	124.037,013	8,044	7,583
24	24	97.983	64.613,848	2.104.576,969	32,572	32,110	74	74	51.518	14.269,530	108.617,798	7,612	7,151
25	25	97.886	63.439,238	2.039.963,121	32,156	31,695	75	75	48.208	13.123,043	94.348,268	7,190	6,728
26	26	97.790	62.287,209	1.976.523,884	31,732	31,271	76	76	44.787	11.982,090	81.225,225	6,779	6,318
27	27	97.693	61.155,025	1.914.236,674	31,301	30,840	77	77	41.321	10.864,662	69.243,135	6,373	5,912
28	28	97.594	60.042,733	1.853.081,649	30,863	30,402	78	78	37.788	9.764,977	58.378,473	5,978	5,517
29	29	97.494	58.949,180	1.793.038,917	30,417	29,955	79	79	34.179	8.680,367	48.613,495	5,600	5,139
30	30	97.396	57.877,617	1.734.089,737	29,961	29,500	80	80	30.561	7.627,990	39.933,129	5,235	4,774
31	31	97.293	56.822,012	1.676.212,120	29,499	29,038	81	81	26.911	6.601,584	32.305,138	4,894	4,432
32	32	97.182	55.780,698	1.619.390,108	29,031	28,570	82	82	23.325	5.623,371	25.703,554	4,571	4,110
33	33	97.068	54.756,935	1.563.609,411	28,555	28,094	83	83	19.770	4.684,271	20.080,184	4,287	3,826
34	34	96.944	53.746,478	1.508.852,476	28,074	27,612	84	84	16.483	3.838,333	15.395,913	4,011	3,550
35	35	96.806	52.746,901	1.455.105,998	27,587	27,125	85	85	13.487	3.086,641	11.557,580	3,744	3,283
36	36	96.655	51.758,944	1.402.359,097	27,094	26,633	86	86	10.885	2.448,257	8.470,939	3,460	2,999
37	37	96.491	50.782,587	1.350.600,153	26,596	26,135	87	87	8.491	1.876,977	6.022,682	3,209	2,748
38	38	96.316	49.818,311	1.299.817,566	26,091	25,630	88	88	6.365	1.382,877	4.145,705	2,998	2,537
39	39	96.116	48.859,816	1.249.999,255	25,583	25,122	89	89	4.613	984,989	2.762,828	2,805	2,344
40	40	95.891	47.907,095	1.201.139,440	25,072	24,611	90	90	3.223	676,306	1.777,839	2,629	2,168
41	41	95.642	46.961,163	1.153.232,345	24,557	24,096	91	91	2.173	448,150	1.101,533	2,458	1,997
42	42	95.366	46.020,264	1.106.271,182	24,039	23,578	92	92	1.390	281,776	653,383	2,319	1,858
43	43	95.049	45.078,252	1.060.250,918	23,520	23,059	93	93	851	169,458	371,607	2,193	1,732
44	44	94.691	44.135,913	1.015.172,666	23,001	22,540	94	94	497	97,232	202,149	2,079	1,618
45	45	94.305	43.200,227	971.036,753	22,478	22,016	95	95	276	53,095	104,917	1,976	1,515
46	46	93.866	42.259,451	927.836,526	21,956	21,495	96	96	146	27,524	51,822	1,883	1,422
47	47	93.379	41.317,319	885.577,075	21,434	20,972	97	97	73	13,511	24,299	1,798	1,337
48	48	92.848	40.375,838	844.259,756	20,910	20,449	98	98	34	6,264	10,788	1,722	1,261
49	49	92.273	39.435,636	803.883,918	20,385	19,924	99	99	15	2,737	4,523	1,653	1,192
							100	100	6	1,124	1,787	1,590	1,129

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -1 Jahr

Zinsfuß 1,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	1	99.620	99.620,306	4.050.575,679	40,660	40,199	50	51	91.406	38.393,315	754.816,623	19,660	19,199
1	2	99.130	97.425,349	3.950.955,373	40,554	40,092	51	52	90.701	37.441,734	716.423,308	19,134	18,673
2	3	99.071	95.692,124	3.853.530,024	40,270	39,809	52	53	89.958	36.496,460	678.981,575	18,604	18,143
3	4	99.034	94.011,239	3.757.837,900	39,972	39,511	53	54	89.148	35.545,799	642.485,114	18,075	17,614
4	5	99.003	92.365,552	3.663.826,660	39,667	39,205	54	55	88.280	34.594,115	606.939,316	17,545	17,083
5	6	98.977	90.752,917	3.571.461,108	39,354	38,892	55	56	87.348	33.640,399	572.345,200	17,014	16,552
6	7	98.954	89.171,625	3.480.708,191	39,034	38,573	56	57	86.346	32.682,596	538.704,801	16,483	16,022
7	8	98.934	87.620,115	3.391.536,566	38,707	38,246	57	58	85.288	31.726,707	506.022,205	15,949	15,488
8	9	98.912	86.094,237	3.303.916,451	38,376	37,914	58	59	84.143	30.762,378	474.295,498	15,418	14,957
9	10	98.894	84.597,973	3.217.822,215	38,037	37,575	59	60	82.917	29.792,936	443.533,120	14,887	14,426
10	11	98.876	83.128,199	3.133.224,242	37,691	37,230	60	61	81.594	28.813,281	413.740,184	14,359	13,898
11	12	98.858	81.683,138	3.050.096,042	37,341	36,879	61	62	80.221	27.841,351	384.926,902	13,826	13,365
12	13	98.835	80.259,854	2.968.412,904	36,985	36,524	62	63	78.759	26.863,729	357.085,552	13,292	12,831
13	14	98.813	78.861,520	2.888.153,051	36,623	36,162	63	64	77.170	25.868,913	330.221,823	12,765	12,304
14	15	98.788	77.486,100	2.809.291,530	36,255	35,794	64	65	75.498	24.873,358	304.352,910	12,236	11,775
15	16	98.752	76.125,762	2.731.805,430	35,885	35,424	65	66	73.700	23.863,262	279.479,552	11,712	11,251
16	17	98.708	74.782,985	2.655.679,668	35,512	35,051	66	67	71.753	22.833,422	255.616,290	11,195	10,734
17	18	98.649	73.452,476	2.580.896,683	35,137	34,676	67	68	69.665	21.787,571	232.782,868	10,684	10,223
18	19	98.570	72.131,826	2.507.444,206	34,762	34,301	68	69	67.393	20.714,516	210.995,297	10,186	9,725
19	20	98.468	70.817,822	2.435.312,380	34,388	33,927	69	70	64.960	19.623,387	190.280,781	9,697	9,235
20	21	98.358	69.521,803	2.364.494,559	34,011	33,550	70	71	62.388	18.522,176	170.657,393	9,214	8,752
21	22	98.259	68.257,445	2.294.972,756	33,622	33,161	71	72	59.626	17.397,774	152.135,218	8,745	8,283
22	23	98.155	67.012,737	2.226.715,311	33,228	32,767	72	73	56.707	16.261,540	134.737,444	8,286	7,824
23	24	98.056	65.793,357	2.159.702,574	32,826	32,364	73	74	53.596	15.105,089	118.475,904	7,843	7,382
24	25	97.957	64.596,294	2.093.909,216	32,415	31,954	74	75	50.345	13.944,731	103.370,815	7,413	6,952
25	26	97.861	63.423,627	2.029.312,922	31,996	31,535	75	76	46.958	12.782,794	89.426,084	6,996	6,535
26	27	97.762	62.269,771	1.965.889,295	31,571	31,109	76	77	43.490	11.635,229	76.643,290	6,587	6,126
27	28	97.664	61.137,202	1.903.619,524	31,137	30,676	77	78	39.976	10.511,208	65.008,061	6,185	5,723
28	29	97.565	60.024,911	1.842.482,321	30,695	30,234	78	79	36.388	9.403,067	54.496,853	5,796	5,334
29	30	97.465	58.931,925	1.782.457,411	30,246	29,785	79	80	32.741	8.315,217	45.093,787	5,423	4,962
30	31	97.365	57.858,667	1.723.525,486	29,789	29,327	80	81	29.072	7.256,398	36.778,570	5,068	4,607
31	32	97.259	56.801,715	1.665.666,819	29,324	28,863	81	82	25.411	6.233,586	29.522,172	4,736	4,275
32	33	97.147	55.760,863	1.608.865,104	28,853	28,392	82	83	21.818	5.259,965	23.288,586	4,428	3,966
33	34	97.029	54.735,055	1.553.104,241	28,375	27,914	83	84	18.353	4.348,606	18.028,621	4,146	3,685
34	35	96.898	53.721,280	1.498.369,186	27,892	27,430	84	85	15.158	3.529,879	13.680,015	3,875	3,414
35	36	96.756	52.719,897	1.444.647,906	27,402	26,941	85	86	12.316	2.818,644	10.150,136	3,601	3,140
36	37	96.600	51.729,677	1.391.928,009	26,908	26,447	86	87	9.787	2.201,438	7.331,492	3,330	2,869
37	38	96.432	50.751,446	1.340.198,332	26,407	25,946	87	88	7.490	1.655,723	5.130,054	3,098	2,637
38	39	96.248	49.783,462	1.289.446,886	25,901	25,440	88	89	5.528	1.200,992	3.474,331	2,893	2,432
39	40	96.039	48.820,715	1.239.663,424	25,392	24,931	89	90	3.929	838,989	2.273,340	2,710	2,248
40	41	95.807	47.865,416	1.190.842,709	24,879	24,418	90	91	2.696	565,756	1.434,351	2,535	2,074
41	42	95.548	46.914,742	1.142.977,293	24,363	23,902	91	92	1.766	364,166	868,595	2,385	1,924
42	43	95.259	45.968,507	1.096.062,550	23,844	23,383	92	93	1.105	223,902	504,429	2,253	1,792
43	44	94.926	45.019,739	1.050.094,044	23,325	22,864	93	94	660	131,501	280,526	2,133	1,672
44	45	94.559	44.074,476	1.005.074,304	22,804	22,343	94	95	376	73,591	149,025	2,025	1,564
45	46	94.155	43.131,711	960.999,829	22,281	21,819	95	96	203	39,143	75,434	1,927	1,466
46	47	93.697	42.183,554	917.868,118	21,759	21,298	96	97	104	19,739	36,292	1,839	1,377
47	48	93.198	41.236,971	875.684,564	21,235	20,774	97	98	51	9,413	16,553	1,758	1,297
48	49	92.651	40.290,244	834.447,592	20,711	20,250	98	99	23	4,235	7,139	1,686	1,225
49	50	92.051	39.340,726	794.157,349	20,187	19,725	99	100	10	1,793	2,904	1,620	1,159
							100	101	4	0,712	1,111	1,560	1,099

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -2 Jahre

Zinsfuß 1,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	2	99.585	99.584,628	4.038.784,467	40,556	40,095	50	52	91.153	38.286,687	744.508,730	19,446	18,984
1	3	99.111	97.406,087	3.939.199,839	40,441	39,980	51	53	90.427	37.328,540	706.222,043	18,919	18,458
2	4	99.054	95.675,699	3.841.793,752	40,154	39,693	52	54	89.674	36.381,221	668.893,503	18,386	17,924
3	5	99.021	93.999,097	3.746.118,054	39,853	39,391	53	55	88.838	35.422,162	632.512,282	17,856	17,395
4	6	98.990	92.353,478	3.652.118,956	39,545	39,084	54	56	87.945	34.463,112	597.090,120	17,325	16,864
5	7	98.968	90.744,555	3.559.765,478	39,228	38,767	55	57	86.998	33.505,342	562.627,008	16,792	16,331
6	8	98.945	89.163,859	3.469.020,923	38,906	38,445	56	58	85.961	32.536,731	529.121,665	16,262	15,801
7	9	98.924	87.611,704	3.379.857,064	38,578	38,116	57	59	84.877	31.573,923	496.584,935	15,728	15,266
8	10	98.906	86.088,674	3.292.245,360	38,242	37,781	58	60	83.715	30.605,989	465.011,012	15,193	14,732
9	11	98.886	84.590,859	3.206.156,687	37,902	37,441	59	61	82.461	29.628,949	434.405,023	14,662	14,200
10	12	98.867	83.120,404	3.121.565,828	37,555	37,094	60	62	81.135	28.651,139	404.776,074	14,128	13,667
11	13	98.849	81.676,201	3.038.445,424	37,201	36,740	61	63	79.716	27.666,148	376.124,935	13,595	13,134
12	14	98.826	80.252,077	2.956.769,224	36,844	36,382	62	64	78.223	26.681,006	348.458,787	13,060	12,599
13	15	98.801	78.852,331	2.876.517,146	36,480	36,019	63	65	76.605	25.679,738	321.777,781	12,530	12,069
14	16	98.771	77.472,256	2.797.664,815	36,112	35,651	64	66	74.882	24.670,208	296.098,043	12,002	11,541
15	17	98.732	76.109,641	2.720.192,559	35,740	35,279	65	67	73.032	23.647,142	271.427,835	11,478	11,017
16	18	98.687	74.766,531	2.644.082,919	35,365	34,903	66	68	71.024	22.601,321	247.780,693	10,963	10,502
17	19	98.620	73.431,352	2.569.316,387	34,989	34,528	67	69	68.868	21.538,374	225.179,372	10,455	9,994
18	20	98.543	72.111,830	2.495.885,035	34,611	34,150	68	70	66.533	20.450,237	203.640,998	9,958	9,497
19	21	98.437	70.795,453	2.423.773,205	34,236	33,775	69	71	64.037	19.344,469	183.190,761	9,470	9,009
20	22	98.334	69.504,793	2.352.977,751	33,853	33,392	70	72	61.377	18.221,889	163.846,292	8,992	8,531
21	23	98.233	68.238,965	2.283.472,959	33,463	33,002	71	73	58.551	17.084,107	145.624,403	8,524	8,063
22	24	98.130	66.995,253	2.215.233,993	33,066	32,604	72	74	55.552	15.930,254	128.540,296	8,069	7,608
23	25	98.029	65.775,483	2.148.238,740	32,660	32,199	73	75	52.376	14.761,271	112.610,041	7,629	7,168
24	26	97.932	64.580,399	2.082.463,258	32,246	31,785	74	76	49.040	13.583,179	97.848,770	7,204	6,742
25	27	97.834	63.405,871	2.017.882,859	31,825	31,364	75	77	45.598	12.412,754	84.265,591	6,789	6,327
26	28	97.734	62.251,624	1.954.476,987	31,396	30,935	76	78	42.075	11.256,705	71.852,838	6,383	5,922
27	29	97.635	61.119,056	1.892.225,363	30,960	30,498	77	79	38.495	10.121,640	60.596,132	5,987	5,526
28	30	97.537	60.007,341	1.831.106,308	30,515	30,054	78	80	34.857	9.007,516	50.474,492	5,604	5,142
29	31	97.433	58.912,629	1.771.098,967	30,063	29,602	79	81	31.146	7.910,147	41.466,976	5,242	4,781
30	32	97.330	57.837,999	1.712.186,338	29,603	29,142	80	82	27.451	6.851,898	33.556,830	4,897	4,436
31	33	97.224	56.781,518	1.654.348,339	29,135	28,674	81	83	23.769	5.830,746	26.704,932	4,580	4,119
32	34	97.109	55.738,583	1.597.566,821	28,662	28,201	82	84	20.254	4.883,047	20.874,186	4,275	3,814
33	35	96.983	54.709,394	1.541.828,238	28,182	27,721	83	85	16.878	3.999,145	15.991,139	3,999	3,537
34	36	96.849	53.693,777	1.487.118,844	27,696	27,235	84	86	13.842	3.223,398	11.991,994	3,720	3,259
35	37	96.702	52.690,086	1.433.425,067	27,205	26,744	85	87	11.074	2.534,484	8.768,596	3,460	2,999
36	38	96.541	51.697,955	1.380.734,981	26,708	26,247	86	88	8.634	1.941,937	6.234,111	3,210	2,749
37	39	96.365	50.715,945	1.329.037,026	26,206	25,744	87	89	6.505	1.437,951	4.292,174	2,985	2,524
38	40	96.171	49.743,622	1.278.321,081	25,698	25,237	88	90	4.709	1.022,975	2.854,223	2,790	2,329
39	41	95.955	48.778,242	1.228.577,459	25,187	24,726	89	91	3.287	701,846	1.831,248	2,609	2,148
40	42	95.713	47.818,102	1.179.799,217	24,673	24,211	90	92	2.191	459,733	1.129,402	2,457	1,995
41	43	95.440	46.861,979	1.131.981,115	24,156	23,694	91	93	1.403	289,370	669,669	2,314	1,853
42	44	95.135	45.908,839	1.085.119,136	23,636	23,175	92	94	857	173,750	380,299	2,189	1,728
43	45	94.793	44.957,071	1.039.210,298	23,116	22,654	93	95	500	99,528	206,548	2,075	1,614
44	46	94.409	44.004,573	994.253,226	22,594	22,133	94	96	277	54,253	107,020	1,973	1,511
45	47	93.986	43.054,247	950.248,653	22,071	21,610	95	97	146	28,072	52,768	1,880	1,419
46	48	93.515	42.101,522	907.194,406	21,548	21,087	96	98	73	13,753	24,696	1,796	1,334
47	49	93.000	41.149,552	865.092,884	21,023	20,562	97	99	34	6,364	10,943	1,720	1,258
48	50	92.428	40.193,276	823.943,332	20,500	20,038	98	100	15	2,774	4,579	1,651	1,189
49	51	91.818	39.241,326	783.750,056	19,973	19,511	99	101	6	1,136	1,805	1,588	1,127
							100	102	2	0,436	0,668	1,531	1,070

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -3 Jahre

Zinsfuß 1,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	3	99.565	99.564,939	4.026.197,663	40,438	39,977	50	53	90.877	38.170,939	733.506,636	19,216	18,755
1	4	99.094	97.389,368	3.926.632,724	40,319	39,858	51	54	90.141	37.210,673	695.335,697	18,686	18,225
2	5	99.041	95.663,342	3.829.243,356	40,028	39,567	52	55	89.362	36.254,678	658.125,024	18,153	17,692
3	6	99.008	93.986,810	3.733.580,015	39,725	39,263	53	56	88.502	35.288,023	621.870,346	17,623	17,161
4	7	98.981	92.344,968	3.639.593,205	39,413	38,952	54	57	87.592	34.324,753	586.582,323	17,089	16,628
5	8	98.959	90.736,652	3.547.248,237	39,094	38,633	55	58	86.609	33.355,805	552.257,570	16,557	16,095
6	9	98.936	89.155,300	3.456.511,585	38,770	38,308	56	59	85.547	32.380,046	518.901,765	16,025	15,564
7	10	98.918	87.606,043	3.367.356,285	38,437	37,976	57	60	84.446	31.413,408	486.521,719	15,488	15,027
8	11	98.897	86.081,434	3.279.750,243	38,101	37,639	58	61	83.254	30.437,526	455.108,312	14,952	14,491
9	12	98.876	84.582,926	3.193.668,808	37,758	37,297	59	62	81.997	29.462,216	424.670,785	14,414	13,953
10	13	98.859	83.113,344	3.109.085,882	37,408	36,947	60	63	80.624	28.470,840	395.208,569	13,881	13,420
11	14	98.840	81.668,287	3.025.972,538	37,052	36,591	61	64	79.174	27.477,967	366.737,729	13,347	12,885
12	15	98.814	80.242,726	2.944.304,251	36,692	36,231	62	65	77.651	26.485,893	339.259,762	12,809	12,348
13	16	98.783	78.838,243	2.864.061,525	36,328	35,867	63	66	75.980	25.470,002	312.773,869	12,280	11,819
14	17	98.750	77.455,849	2.785.223,282	35,959	35,498	64	67	74.204	24.446,781	287.303,867	11,752	11,291
15	18	98.710	76.092,895	2.707.767,433	35,585	35,124	65	68	72.290	23.406,769	262.857,086	11,230	10,769
16	19	98.658	74.745,029	2.631.674,538	35,209	34,747	66	69	70.212	22.342,817	239.450,317	10,717	10,256
17	20	98.593	73.410,996	2.556.929,509	34,830	34,369	67	70	67.990	21.263,584	217.107,501	10,210	9,749
18	21	98.512	72.089,053	2.483.518,512	34,451	33,989	68	71	65.588	20.159,567	195.843,917	9,715	9,253
19	22	98.413	70.778,132	2.411.429,459	34,070	33,609	69	72	62.999	19.030,852	175.684,351	9,232	8,770
20	23	98.307	69.485,975	2.340.651,327	33,685	33,224	70	73	60.270	17.893,364	156.653,499	8,755	8,294
21	24	98.207	68.221,161	2.271.165,352	33,291	32,830	71	74	57.358	16.736,064	138.760,134	8,291	7,830
22	25	98.103	66.977,052	2.202.944,191	32,891	32,430	72	75	54.288	15.567,654	122.024,071	7,838	7,377
23	26	98.005	65.759,298	2.135.967,139	32,482	32,020	73	76	51.018	14.378,548	106.456,416	7,404	6,943
24	27	97.905	64.562,319	2.070.207,842	32,065	31,604	74	77	47.620	13.189,968	92.077,868	6,981	6,520
25	28	97.806	63.387,393	2.005.645,522	31,641	31,180	75	78	44.115	12.008,936	78.887,900	6,569	6,108
26	29	97.705	62.233,146	1.942.258,130	31,209	30,748	76	79	40.516	10.839,508	66.878,965	6,170	5,709
27	30	97.607	61.101,166	1.880.024,983	30,769	30,308	77	80	36.875	9.695,862	56.039,457	5,780	5,319
28	31	97.505	59.987,693	1.818.923,818	30,322	29,860	78	81	33.159	8.568,721	46.343,595	5,408	4,947
29	32	97.398	58.891,585	1.758.936,124	29,867	29,406	79	82	29.410	7.469,204	37.774,874	5,057	4,596
30	33	97.295	57.817,433	1.700.044,539	29,404	28,942	80	83	25.677	6.409,100	30.305,670	4,729	4,267
31	34	97.185	56.758,829	1.642.227,106	28,933	28,472	81	84	22.066	5.412,927	23.896,570	4,415	3,954
32	35	97.063	55.712,451	1.585.468,277	28,458	27,997	82	85	18.626	4.490,638	18.483,643	4,116	3,655
33	36	96.934	54.681,385	1.529.755,826	27,976	27,515	83	86	15.413	3.651,921	13.993,006	3,832	3,370
34	37	96.794	53.663,416	1.475.074,440	27,488	27,026	84	87	12.447	2.898,433	10.341,085	3,568	3,107
35	38	96.642	52.657,775	1.421.411,024	26,993	26,532	85	88	9.769	2.235,725	7.442,651	3,329	2,868
36	39	96.474	51.661,792	1.368.753,249	26,494	26,033	86	89	7.498	1.686,520	5.206,926	3,087	2,626
37	40	96.288	50.675,359	1.317.091,457	25,991	25,530	87	90	5.541	1.224,811	3.520,406	2,874	2,413
38	41	96.088	49.700,346	1.266.416,099	25,481	25,020	88	91	3.939	855,757	2.295,595	2,683	2,221
39	42	95.860	48.730,025	1.216.715,752	24,969	24,507	89	92	2.671	570,320	1.439,838	2,525	2,063
40	43	95.605	47.764,322	1.167.985,727	24,453	23,992	90	93	1.741	365,309	869,518	2,380	1,919
41	44	95.316	46.801,151	1.120.221,405	23,936	23,475	91	94	1.089	224,554	504,209	2,245	1,784
42	45	95.003	45.844,933	1.073.420,254	23,414	22,953	92	95	649	131,505	279,655	2,127	1,665
43	46	94.643	44.885,769	1.027.575,321	22,893	22,432	93	96	368	73,374	148,151	2,019	1,558
44	47	94.239	43.925,542	982.689,552	22,372	21,911	94	97	199	38,908	74,776	1,922	1,461
45	48	93.804	42.970,522	938.764,010	21,847	21,385	95	98	102	19,559	35,868	1,834	1,373
46	49	93.317	42.012,270	895.793,488	21,322	20,861	96	99	49	9,297	16,309	1,754	1,293
47	50	92.776	41.050,516	853.781,219	20,798	20,337	97	100	22	4,169	7,012	1,682	1,221
48	51	92.195	40.091,723	812.730,702	20,272	19,811	98	101	10	1,759	2,843	1,617	1,155
49	52	91.563	39.132,343	772.638,980	19,744	19,283	99	102	4	0,696	1,084	1,557	1,096
							100	103	1	0,258	0,388	1,504	1,042

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -4 Jahre

Zinsfuß 1,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	4	99.548	99.547,849	4.012.772,338	40,310	39,849	50	54	90.590	38.050,412	721.795,018	18,969	18,508
1	5	99.081	97.376,789	3.913.224,489	40,186	39,725	51	55	89.828	37.081,246	683.744,605	18,439	17,978
2	6	99.028	95.650,836	3.815.847,700	39,894	39,432	52	56	89.024	36.117,387	646.663,360	17,904	17,443
3	7	98.999	93.978,149	3.720.196,863	39,586	39,125	53	57	88.146	35.146,352	610.545,973	17,372	16,910
4	8	98.972	92.336,926	3.626.218,714	39,272	38,810	54	58	87.201	34.171,558	575.399,621	16,839	16,377
5	9	98.949	90.727,942	3.533.881,788	38,950	38,489	55	59	86.192	33.195,176	541.228,063	16,304	15,843
6	10	98.929	89.149,539	3.443.153,846	38,622	38,161	56	60	85.112	32.215,433	508.032,887	15,770	15,309
7	11	98.910	87.598,676	3.354.004,308	38,288	37,827	57	61	83.981	31.240,501	475.817,455	15,231	14,770
8	12	98.888	86.073,362	3.266.405,632	37,949	37,488	58	62	82.786	30.266,243	444.576,954	14,689	14,228
9	13	98.868	84.575,743	3.180.332,270	37,603	37,142	59	63	81.481	29.276,813	414.310,710	14,151	13,690
10	14	98.849	83.105,291	3.095.756,528	37,251	36,790	60	64	80.076	28.277,186	385.033,897	13,616	13,155
11	15	98.828	81.658,771	3.012.651,236	36,893	36,432	61	65	78.595	27.277,026	356.756,711	13,079	12,618
12	16	98.796	80.228,389	2.930.992,465	36,533	36,072	62	66	77.017	26.269,573	329.479,685	12,542	12,081
13	17	98.763	78.821,547	2.850.764,076	36,167	35,706	63	67	75.292	25.239,331	303.210,112	12,013	11,552
14	18	98.728	77.438,807	2.771.942,530	35,795	35,334	64	68	73.449	24.198,279	277.970,781	11,487	11,026
15	19	98.681	76.071,011	2.694.503,722	35,421	34,960	65	69	71.463	23.139,053	253.772,502	10,967	10,506
16	20	98.631	74.724,309	2.618.432,711	35,041	34,580	66	70	69.316	22.057,763	230.633,450	10,456	9,995
17	21	98.562	73.387,809	2.543.708,401	34,661	34,200	67	71	67.023	20.961,353	208.575,687	9,950	9,489
18	22	98.488	72.071,415	2.470.320,592	34,276	33,815	68	72	64.524	19.832,734	187.614,334	9,460	8,999
19	23	98.386	70.758,969	2.398.249,177	33,893	33,432	69	73	61.863	18.687,742	167.781,600	8,978	8,517
20	24	98.282	69.467,846	2.327.490,208	33,505	33,043	70	74	59.042	17.528,834	149.093,857	8,506	8,044
21	25	98.180	68.202,627	2.258.022,362	33,108	32,646	71	75	56.053	16.355,122	131.565,023	8,044	7,583
22	26	98.079	66.960,571	2.189.819,735	32,703	32,242	72	76	52.880	15.164,024	115.209,901	7,598	7,136
23	27	97.978	65.740,888	2.122.859,164	32,291	31,830	73	77	49.542	13.962,313	100.045,877	7,165	6,704
24	28	97.877	64.543,504	2.057.118,277	31,872	31,411	74	78	46.071	12.760,865	86.083,564	6,746	6,285
25	29	97.776	63.368,578	1.992.574,773	31,444	30,983	75	79	42.480	11.563,859	73.322,699	6,341	5,879
26	30	97.676	62.214,930	1.929.206,195	31,009	30,548	76	80	38.812	10.383,532	61.758,840	5,948	5,487
27	31	97.575	61.081,160	1.866.991,265	30,566	30,105	77	81	35.079	9.223,534	51.375,308	5,570	5,109
28	32	97.470	59.966,265	1.805.910,105	30,115	29,654	78	82	31.311	8.091,067	42.151,774	5,210	4,748
29	33	97.364	58.870,645	1.745.943,839	29,657	29,196	79	83	27.509	6.986,513	34.060,707	4,875	4,414
30	34	97.256	57.794,331	1.687.073,195	29,191	28,730	80	84	23.837	5.949,837	27.074,194	4,550	4,089
31	35	97.140	56.732,219	1.629.278,864	28,719	28,258	81	85	20.293	4.977,936	21.124,357	4,244	3,782
32	36	97.013	55.683,929	1.572.546,644	28,241	27,779	82	86	17.009	4.100,740	16.146,421	3,937	3,476
33	37	96.879	54.650,465	1.516.862,715	27,756	27,295	83	87	13.859	3.283,755	12.045,681	3,668	3,207
34	38	96.735	53.630,508	1.462.212,250	27,265	26,803	84	88	10.980	2.556,773	8.761,927	3,427	2,966
35	39	96.575	52.620,941	1.408.581,742	26,768	26,307	85	89	8.484	1.941,667	6.205,154	3,196	2,735
36	40	96.396	51.620,449	1.355.960,801	26,268	25,807	86	90	6.387	1.436,536	4.263,487	2,968	2,507
37	41	96.204	50.631,272	1.304.340,352	25,762	25,300	87	91	4.635	1.024,601	2.826,951	2,759	2,298
38	42	95.993	49.651,218	1.253.709,080	25,250	24,789	88	92	3.201	695,388	1.802,350	2,592	2,131
39	43	95.753	48.675,220	1.204.057,862	24,737	24,275	89	93	2.122	453,182	1.106,962	2,443	1,981
40	44	95.481	47.702,323	1.155.382,642	24,221	23,759	90	94	1.351	283,483	653,780	2,306	1,845
41	45	95.184	46.736,003	1.107.680,319	23,701	23,240	91	95	824	169,956	370,297	2,179	1,718
42	46	94.852	45.772,223	1.060.944,316	23,179	22,718	92	96	478	96,948	200,341	2,066	1,605
43	47	94.473	44.805,155	1.015.172,093	22,657	22,196	93	97	264	52,621	103,393	1,965	1,504
44	48	94.056	43.840,122	970.366,938	22,134	21,673	94	98	138	27,109	50,771	1,873	1,412
45	49	93.605	42.879,427	926.526,816	21,608	21,147	95	99	69	13,222	23,662	1,790	1,328
46	50	93.092	41.911,158	883.647,389	21,084	20,623	96	100	32	6,090	10,440	1,714	1,253
47	51	92.542	40.946,797	841.736,231	20,557	20,096	97	101	14	2,643	4,349	1,646	1,185
48	52	91.939	39.980,378	800.789,434	20,030	19,568	98	102	6	1,078	1,707	1,584	1,123
49	53	91.287	39.014,038	760.809,056	19,501	19,040	99	103	2	0,412	0,629	1,528	1,066
							100	104	1	0,147	0,217	1,477	1,015

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -5 Jahre

Zinsfuß 1,75%

Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	5	99.535	99.534,992	3.998.481,781	40,172	39,710	50	55	90.275	37.918,064	709.357,201	18,708	18,246
1	6	99.068	97.364,060	3.898.946,789	40,045	39,584	51	56	89.487	36.940,824	671.439,137	18,176	17,715
2	7	99.019	95.642,022	3.801.582,729	39,748	39,287	52	57	88.666	35.972,386	634.498,313	17,638	17,177
3	8	98.990	93.969,965	3.705.940,707	39,438	38,976	53	58	87.753	34.989,490	598.525,927	17,106	16,645
4	9	98.963	92.328,062	3.611.970,742	39,121	38,660	54	59	86.781	34.007,001	563.536,437	16,571	16,110
5	10	98.943	90.722,079	3.519.642,680	38,796	38,335	55	60	85.754	33.026,419	529.529,436	16,034	15,572
6	11	98.921	89.142,042	3.428.920,601	38,466	38,005	56	61	84.644	32.038,111	496.503,017	15,497	15,036
7	12	98.900	87.590,461	3.339.778,559	38,129	37,668	57	62	83.508	31.064,699	464.464,907	14,952	14,490
8	13	98.880	86.066,052	3.252.188,098	37,787	37,326	58	63	82.265	30.075,781	433.400,207	14,410	13,949
9	14	98.858	84.567,548	3.166.122,046	37,439	36,978	59	64	80.926	29.077,677	403.324,426	13,871	13,409
10	15	98.838	83.095,608	3.081.554,498	37,084	36,623	60	65	79.490	28.070,400	374.246,749	13,332	12,871
11	16	98.811	81.644,181	2.998.458,891	36,726	36,265	61	66	77.953	27.054,244	346.176,349	12,796	12,334
12	17	98.775	80.211,399	2.916.814,710	36,364	35,903	62	67	76.320	26.031,660	319.122,104	12,259	11,798
13	18	98.741	78.804,204	2.836.603,311	35,996	35,534	63	68	74.526	24.982,773	293.090,444	11,732	11,270
14	19	98.700	77.416,537	2.757.799,107	35,623	35,162	64	69	72.609	23.921,510	268.107,671	11,208	10,747
15	20	98.654	76.049,924	2.680.382,570	35,245	34,784	65	70	70.552	22.843,841	244.186,162	10,689	10,228
16	21	98.600	74.700,707	2.604.332,646	34,864	34,402	66	71	68.331	21.744,244	221.342,321	10,179	9,718
17	22	98.538	73.369,853	2.529.631,939	34,478	34,017	67	72	65.937	20.621,522	199.598,077	9,679	9,218
18	23	98.461	72.051,903	2.456.262,085	34,090	33,629	68	73	63.361	19.475,168	178.976,555	9,190	8,729
19	24	98.361	70.740,508	2.384.210,183	33,704	33,242	69	74	60.603	18.307,029	159.501,388	8,713	8,251
20	25	98.255	69.448,973	2.313.469,675	33,312	32,851	70	75	57.698	17.129,848	141.194,359	8,243	7,781
21	26	98.156	68.185,845	2.244.020,702	32,910	32,449	71	76	54.600	15.931,074	124.064,511	7,788	7,326
22	27	98.052	66.941,825	2.175.834,858	32,503	32,042	72	77	51.349	14.725,050	108.133,436	7,344	6,882
23	28	97.949	65.721,729	2.108.893,033	32,088	31,627	73	78	47.930	13.508,084	93.408,386	6,915	6,454
24	29	97.847	64.524,346	2.043.171,304	31,665	31,204	74	79	44.363	12.287,921	79.900,302	6,502	6,041
25	30	97.748	63.350,030	1.978.646,958	31,234	30,772	75	80	40.693	11.077,412	67.612,382	6,104	5,642
26	31	97.644	62.194,560	1.915.296,929	30,795	30,334	76	81	36.921	9.877,705	56.534,969	5,723	5,262
27	32	97.540	61.059,341	1.853.102,369	30,349	29,888	77	82	33.124	8.709,378	46.657,265	5,357	4,896
28	33	97.435	59.944,943	1.792.043,028	29,895	29,434	78	83	29.287	7.568,189	37.947,887	5,014	4,553
29	34	97.325	58.847,121	1.732.098,085	29,434	28,973	79	84	25.538	6.485,874	30.379,698	4,684	4,223
30	35	97.211	57.767,236	1.673.250,964	28,965	28,504	80	85	21.922	5.471,699	23.893,824	4,367	3,906
31	36	97.090	56.703,175	1.615.483,728	28,490	28,029	81	86	18.531	4.545,728	18.422,125	4,053	3,591
32	37	96.958	55.652,442	1.558.780,553	28,009	27,548	82	87	15.294	3.687,326	13.876,396	3,763	3,302
33	38	96.820	54.616,953	1.503.128,111	27,521	27,060	83	88	12.225	2.896,673	10.189,070	3,518	3,056
34	39	96.667	53.592,993	1.448.511,158	27,028	26,567	84	89	9.535	2.220,488	7.292,397	3,284	2,823
35	40	96.497	52.578,830	1.394.918,165	26,530	26,069	85	90	7.226	1.653,864	5.071,909	3,067	2,605
36	41	96.313	51.575,540	1.342.339,335	26,027	25,565	86	91	5.343	1.201,717	3.418,045	2,844	2,383
37	42	96.109	50.581,224	1.290.763,795	25,519	25,057	87	92	3.766	832,591	2.216,328	2,662	2,201
38	43	95.885	49.595,377	1.240.182,571	25,006	24,545	88	93	2.543	552,563	1.383,737	2,504	2,043
39	44	95.628	48.612,038	1.190.587,195	24,492	24,030	89	94	1.647	351,674	831,175	2,363	1,902
40	45	95.348	47.635,921	1.141.975,156	23,973	23,512	90	95	1.022	214,557	479,501	2,235	1,774
41	46	95.033	46.661,879	1.094.339,235	23,453	22,991	91	96	608	125,295	264,945	2,115	1,653
42	47	94.682	45.690,017	1.047.677,355	22,930	22,469	92	97	343	69,528	139,649	2,009	1,547
43	48	94.289	44.718,025	1.001.987,339	22,407	21,946	93	98	184	36,664	70,121	1,913	1,451
44	49	93.857	43.747,184	957.269,314	21,882	21,421	94	99	94	18,327	33,458	1,826	1,364
45	50	93.379	42.776,228	913.522,130	21,356	20,895	95	100	45	8,662	15,131	1,747	1,286
46	51	92.857	41.805,264	870.745,902	20,829	20,367	96	101	20	3,861	6,469	1,676	1,214
47	52	92.285	40.833,078	828.940,638	20,301	19,840	97	102	9	1,619	2,608	1,611	1,150
48	53	91.661	39.859,509	788.107,560	19,772	19,311	98	103	3	0,637	0,989	1,552	1,091
49	54	90.998	38.890,850	748.248,051	19,240	18,778	99	104	1	0,235	0,352	1,499	1,038
							100	105	0	0,081	0,117	1,451	0,990

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -6 Jahre

Zinsfuß 1,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	6	99.522	99.521,980	3.983.300,686	40,024	39,563	50	56	89.933	37.774,474	696.186,973	18,430	17,969
1	7	99.059	97.355,088	3.883.778,706	39,893	39,432	51	57	89.128	36.792,517	658.412,499	17,895	17,434
2	8	99.010	95.633,693	3.786.423,617	39,593	39,132	52	58	88.271	35.811,838	621.619,982	17,358	16,897
3	9	98.981	93.960,944	3.690.789,924	39,280	38,819	53	59	87.330	34.820,994	585.808,144	16,823	16,362
4	10	98.956	92.322,096	3.596.828,980	38,960	38,498	54	60	86.340	33.834,116	550.987,150	16,285	15,824
5	11	98.935	90.714,450	3.504.506,884	38,632	38,171	55	61	85.282	32.844,633	517.153,034	15,745	15,284
6	12	98.912	89.133,683	3.413.792,434	38,300	37,838	56	62	84.167	31.857,821	484.308,401	15,202	14,741
7	13	98.892	87.583,022	3.324.658,751	37,960	37,499	57	63	82.983	30.869,212	452.450,580	14,657	14,196
8	14	98.870	86.057,713	3.237.075,729	37,615	37,154	58	64	81.705	29.871,211	421.581,367	14,113	13,652
9	15	98.847	84.557,694	3.151.018,016	37,265	36,804	59	65	80.335	28.865,038	391.710,157	13,570	13,109
10	16	98.820	83.080,761	3.066.460,323	36,909	36,448	60	66	78.841	27.841,139	362.845,119	13,033	12,571
11	17	98.790	81.626,891	2.983.379,562	36,549	36,088	61	67	77.247	26.809,225	335.003,980	12,496	12,035
12	18	98.754	80.193,751	2.901.752,671	36,184	35,723	62	68	75.544	25.767,048	308.194,755	11,961	11,500
13	19	98.712	78.781,541	2.821.558,921	35,815	35,354	63	69	73.674	24.697,031	282.427,707	11,436	10,974
14	20	98.672	77.395,076	2.742.777,380	35,439	34,977	64	70	71.683	23.616,315	257.730,676	10,913	10,452
15	21	98.623	76.025,903	2.665.382,303	35,059	34,598	65	71	69.549	22.519,149	234.114,361	10,396	9,935
16	22	98.576	74.682,430	2.589.356,400	34,672	34,210	66	72	67.223	21.391,721	211.595,212	9,891	9,430
17	23	98.511	73.349,989	2.514.673,970	34,283	33,822	67	73	64.748	20.249,734	190.203,492	9,393	8,932
18	24	98.435	72.033,104	2.441.323,981	33,892	33,430	68	74	62.070	19.078,412	169.953,758	8,908	8,447
19	25	98.334	70.721,289	2.369.290,877	33,502	33,041	69	75	59.223	17.890,330	150.875,345	8,433	7,972
20	26	98.231	69.431,884	2.298.569,588	33,105	32,644	70	76	56.202	16.685,713	132.985,016	7,970	7,509
21	27	98.129	68.166,756	2.229.137,704	32,701	32,240	71	77	53.019	15.469,896	116.299,302	7,518	7,057
22	28	98.023	66.922,316	2.160.970,949	32,291	31,830	72	78	49.679	14.246,007	100.829,406	7,078	6,617
23	29	97.920	65.702,221	2.094.048,633	31,872	31,411	73	79	46.153	13.007,446	86.583,399	6,656	6,195
24	30	97.819	64.505,459	2.028.346,412	31,445	30,983	74	80	42.497	11.771,015	73.575,953	6,251	5,789
25	31	97.716	63.329,288	1.963.840,953	31,010	30,549	75	81	38.711	10.537,783	61.804,938	5,865	5,404
26	32	97.610	62.172,343	1.900.511,665	30,568	30,107	76	82	34.863	9.327,083	51.267,155	5,497	5,035
27	33	97.505	61.037,630	1.838.339,322	30,118	29,657	77	83	30.983	8.146,542	41.940,072	5,148	4,687
28	34	97.396	59.920,990	1.777.301,692	29,661	29,200	78	84	27.188	7.025,868	33.793,530	4,810	4,349
29	35	97.279	58.819,533	1.717.380,702	29,197	28,736	79	85	23.486	5.964,660	26.767,662	4,488	4,027
30	36	97.161	57.737,661	1.658.561,169	28,726	28,265	80	86	20.018	4.996,621	20.803,002	4,163	3,702
31	37	97.035	56.671,112	1.600.823,508	28,248	27,786	81	87	16.663	4.087,453	15.806,381	3,867	3,406
32	38	96.899	55.618,315	1.544.152,396	27,763	27,302	82	88	13.492	3.252,673	11.718,928	3,603	3,142
33	39	96.752	54.578,747	1.488.534,081	27,273	26,812	83	89	10.617	2.515,682	8.466,255	3,365	2,904
34	40	96.590	53.550,105	1.433.955,334	26,778	26,317	84	90	8.122	1.891,357	5.950,573	3,146	2,685
35	41	96.413	52.533,087	1.380.405,229	26,277	25,816	85	91	6.045	1.383,520	4.059,216	2,934	2,473
36	42	96.217	51.524,558	1.327.872,142	25,772	25,310	86	92	4.341	976,515	2.675,696	2,740	2,279
37	43	96.001	50.524,336	1.276.347,583	25,262	24,801	87	93	2.993	661,585	1.699,181	2,568	2,107
38	44	95.760	49.531,001	1.225.823,247	24,749	24,287	88	94	1.974	428,794	1.037,596	2,420	1,959
39	45	95.495	48.544,370	1.176.292,246	24,231	23,770	89	95	1.247	266,167	608,802	2,287	1,826
40	46	95.197	47.560,370	1.127.747,876	23,712	23,251	90	96	754	158,176	342,635	2,166	1,705
41	47	94.862	46.578,076	1.080.187,506	23,191	22,730	91	97	436	89,857	184,459	2,053	1,592
42	48	94.498	45.601,166	1.033.609,430	22,666	22,205	92	98	239	48,443	94,601	1,953	1,492
43	49	94.089	44.623,226	988.008,264	22,141	21,680	93	99	124	24,786	46,158	1,862	1,401
44	50	93.631	43.641,897	943.385,039	21,616	21,155	94	100	61	12,005	21,372	1,780	1,319
45	51	93.144	42.668,148	899.743,142	21,087	20,626	95	101	29	5,491	9,367	1,706	1,245
46	52	92.599	41.689,161	857.074,994	20,559	20,097	96	102	13	2,366	3,876	1,639	1,177
47	53	92.006	40.709,631	815.385,833	20,029	19,568	97	103	5	0,958	1,511	1,577	1,116
48	54	91.371	39.733,651	774.676,202	19,497	19,036	98	104	2	0,363	0,553	1,522	1,061
49	55	90.682	38.755,578	734.942,551	18,964	18,502	99	105	1	0,129	0,190	1,472	1,010
							100	106					

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -7 Jahre

Zinsfuß 1,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	7	99.513	99.512,810	3.967.211,400	39,866	39,405	50	57	89.572	37.622,820	682.281,064	18,135	17,674
1	8	99.050	97.346,610	3.867.698,590	39,731	39,270	51	58	88.730	36.628,309	644.658,244	17,600	17,139
2	9	99.001	95.624,513	3.770.351,980	39,429	38,968	52	59	87.846	35.639,381	608.029,935	17,061	16,599
3	10	98.974	93.954,873	3.674.727,467	39,112	38,650	53	60	86.886	34.643,972	572.390,554	16,522	16,061
4	11	98.948	92.314,333	3.580.772,594	38,789	38,328	54	61	85.865	33.647,885	537.746,582	15,982	15,520
5	12	98.925	90.705,943	3.488.458,262	38,459	37,998	55	62	84.802	32.659,805	504.098,697	15,435	14,974
6	13	98.903	89.126,113	3.397.752,318	38,123	37,662	56	63	83.638	31.657,343	471.438,893	14,892	14,431
7	14	98.882	87.574,536	3.308.626,206	37,781	37,319	57	64	82.418	30.659,245	439.781,550	14,344	13,883
8	15	98.859	86.047,685	3.221.051,670	37,433	36,972	58	65	81.108	29.652,768	409.122,305	13,797	13,336
9	16	98.829	84.542,586	3.135.003,985	37,082	36,621	59	66	79.679	28.629,286	379.469,537	13,255	12,793
10	17	98.799	83.063,166	3.050.461,399	36,725	36,263	60	67	78.127	27.588,993	350.840,251	12,717	12,255
11	18	98.768	81.608,931	2.967.398,233	36,361	35,900	61	68	76.462	26.536,710	323.251,258	12,181	11,720
12	19	98.725	80.170,687	2.885.789,301	35,996	35,534	62	69	74.680	25.472,336	296.714,548	11,649	11,187
13	20	98.685	78.759,702	2.805.618,614	35,623	35,161	63	70	72.734	24.381,942	271.242,212	11,125	10,664
14	21	98.641	77.370,631	2.726.858,912	35,244	34,783	64	71	70.664	23.280,643	246.860,270	10,604	10,142
15	22	98.599	76.007,302	2.649.488,281	34,858	34,397	65	72	68.421	22.154,062	223.579,627	10,092	9,631
16	23	98.549	74.662,211	2.573.480,979	34,468	34,007	66	73	66.011	21.006,047	201.425,564	9,589	9,128
17	24	98.485	73.330,852	2.498.818,769	34,076	33,615	67	74	63.429	19.837,199	180.419,518	9,095	8,634
18	25	98.409	72.013,534	2.425.487,917	33,681	33,220	68	75	60.657	18.644,155	160.582,318	8,613	8,152
19	26	98.310	70.703,887	2.353.474,383	33,286	32,825	69	76	57.688	17.426,478	141.938,163	8,145	7,684
20	27	98.203	69.412,445	2.282.770,496	32,887	32,426	70	77	54.575	16.202,690	124.511,686	7,685	7,223
21	28	98.100	68.146,890	2.213.358,051	32,479	32,018	71	78	51.294	14.966,621	108.308,996	7,237	6,775
22	29	97.994	66.902,452	2.145.211,161	32,065	31,604	72	79	47.838	13.718,020	93.342,375	6,804	6,343
23	30	97.891	65.682,989	2.078.308,709	31,642	31,180	73	80	44.212	12.460,273	79.624,354	6,390	5,929
24	31	97.787	64.484,339	2.012.625,720	31,211	30,750	74	81	40.427	11.197,598	67.164,082	5,998	5,537
25	32	97.681	63.306,666	1.948.141,381	30,773	30,312	75	82	36.553	9.950,366	55.966,484	5,625	5,163
26	33	97.575	62.150,236	1.884.834,715	30,327	29,866	76	83	32.610	8.724,328	46.016,118	5,274	4,813
27	34	97.466	61.013,241	1.822.684,479	29,874	29,412	77	84	28.763	7.562,778	37.291,790	4,931	4,470
28	35	97.351	59.892,898	1.761.671,238	29,414	28,952	78	85	25.004	6.461,258	29.729,012	4,601	4,140
29	36	97.229	58.789,420	1.701.778,340	28,947	28,486	79	86	21.447	5.446,780	23.267,753	4,272	3,811
30	37	97.106	57.705,013	1.642.988,920	28,472	28,011	80	87	18.000	4.492,889	17.820,973	3,966	3,505
31	38	96.976	56.636,360	1.585.283,907	27,991	27,529	81	88	14.698	3.605,634	13.328,084	3,696	3,235
32	39	96.831	55.579,409	1.528.647,547	27,504	27,043	82	89	11.717	2.824,858	9.722,450	3,442	2,981
33	40	96.674	54.535,070	1.473.068,138	27,011	26,550	83	90	9.044	2.142,796	6.897,591	3,219	2,758
34	41	96.506	53.503,517	1.418.533,068	26,513	26,052	84	91	6.794	1.582,192	4.754,796	3,005	2,544
35	42	96.318	52.481,159	1.365.029,551	26,010	25,549	85	92	4.912	1.124,248	3.172,604	2,822	2,361
36	43	96.109	51.466,610	1.312.548,392	25,503	25,042	86	93	3.450	775,949	2.048,355	2,640	2,179
37	44	95.876	50.458,755	1.261.081,782	24,992	24,531	87	94	2.322	513,396	1.272,407	2,478	2,017
38	45	95.627	49.462,053	1.210.623,027	24,476	24,015	88	95	1.494	324,537	759,011	2,339	1,878
39	46	95.344	48.467,378	1.161.160,974	23,958	23,496	89	96	919	196,225	434,474	2,214	1,753
40	47	95.026	47.474,953	1.112.693,595	23,437	22,976	90	97	541	113,438	238,249	2,100	1,639
41	48	94.678	46.487,498	1.065.218,642	22,914	22,453	91	98	304	62,608	124,811	1,994	1,532
42	49	94.297	45.504,494	1.018.731,145	22,387	21,926	92	99	162	32,749	62,203	1,899	1,438
43	50	93.863	44.515,830	973.226,651	21,862	21,401	93	100	82	16,236	29,454	1,814	1,353
44	51	93.394	43.531,630	928.710,821	21,334	20,873	94	101	39	7,611	13,218	1,737	1,276
45	52	92.885	42.549,649	885.179,191	20,803	20,342	95	102	17	3,364	5,607	1,667	1,205
46	53	92.319	41.563,126	842.629,542	20,273	19,812	96	103	7	1,399	2,243	1,603	1,142
47	54	91.715	40.581,088	801.066,417	19,740	19,279	97	104	3	0,546	0,844	1,545	1,084
48	55	91.054	39.595,448	760.485,328	19,206	18,745	98	105	1	0,199	0,298	1,493	1,032
49	56	90.339	38.608,816	720.889,880	18,672	18,210	99	106					
							100	107					

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -8 Jahre

Zinsfuß 1,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	8	99.504	99.504,143	3.950.195,266	39,699	39,238	50	58	89.172	37.454,906	667.636,313	17,825	17,364
1	9	99.041	97.337,265	3.850.691,123	39,560	39,099	51	59	88.303	36.451,920	630.181,407	17,288	16,827
2	10	98.994	95.618,334	3.753.353,858	39,253	38,792	52	60	87.399	35.458,198	593.729,486	16,744	16,283
3	11	98.966	93.946,972	3.657.735,524	38,934	38,473	53	61	86.408	34.453,282	558.271,288	16,204	15,743
4	12	98.939	92.305,676	3.563.788,552	38,609	38,147	54	62	85.382	33.458,536	523.818,006	15,656	15,195
5	13	98.917	90.698,240	3.471.482,876	38,275	37,814	55	63	84.268	32.454,280	490.359,469	15,109	14,648
6	14	98.894	89.117,477	3.380.784,637	37,936	37,475	56	64	83.069	31.442,015	457.905,189	14,563	14,102
7	15	98.871	87.564,331	3.291.667,160	37,591	37,130	57	65	81.816	30.435,040	426.463,174	14,012	13,551
8	16	98.841	86.032,311	3.204.102,828	37,243	36,782	58	66	80.445	29.410,583	396.028,135	13,465	13,004
9	17	98.808	84.524,682	3.118.070,518	36,889	36,428	59	67	78.957	28.370,002	366.617,552	12,923	12,462
10	18	98.777	83.044,891	3.033.545,836	36,529	36,068	60	68	77.333	27.308,551	338.247,550	12,386	11,925
11	19	98.740	81.585,461	2.950.500,945	36,165	35,703	61	69	75.588	26.233,194	310.938,998	11,853	11,392
12	20	98.698	80.148,464	2.868.915,484	35,795	35,334	62	70	73.727	25.147,355	284.705,804	11,322	10,860
13	21	98.654	78.734,825	2.788.767,020	35,420	34,959	63	71	71.700	24.035,388	259.558,449	10,799	10,338
14	22	98.617	77.351,700	2.710.032,195	35,035	34,574	64	72	69.518	22.903,211	235.523,060	10,283	9,822
15	23	98.572	75.986,724	2.632.680,494	34,647	34,185	65	73	67.188	21.754,644	212.619,849	9,774	9,312
16	24	98.523	74.642,731	2.556.693,771	34,252	33,791	66	74	64.666	20.578,104	190.865,205	9,275	8,814
17	25	98.459	73.310,929	2.482.051,040	33,856	33,395	67	75	61.985	19.385,671	170.287,101	8,784	8,323
18	26	98.385	71.995,814	2.408.740,111	33,457	32,995	68	76	59.085	18.160,758	150.901,430	8,309	7,848
19	27	98.282	70.684,093	2.336.744,297	33,059	32,598	69	77	56.018	16.922,010	132.740,672	7,844	7,383
20	28	98.175	69.392,216	2.266.060,204	32,656	32,195	70	78	52.800	15.675,576	115.818,662	7,388	6,927
21	29	98.071	68.126,662	2.196.667,988	32,244	31,783	71	79	49.393	14.411,927	100.143,087	6,949	6,487
22	30	97.965	66.882,869	2.128.541,325	31,825	31,364	72	80	45.825	13.140,956	85.731,160	6,524	6,063
23	31	97.859	65.661,484	2.061.658,456	31,398	30,937	73	81	42.058	11.853,278	72.590,204	6,124	5,663
24	32	97.752	64.461,304	1.995.996,973	30,964	30,503	74	82	38.173	10.573,400	60.736,926	5,744	5,283
25	33	97.646	63.284,156	1.931.535,668	30,522	30,060	75	83	34.191	9.307,332	50.163,526	5,390	4,928
26	34	97.536	62.125,403	1.868.251,513	30,072	29,611	76	84	30.273	8.099,161	40.856,193	5,044	4,583
27	35	97.420	60.984,637	1.806.126,110	29,616	29,155	77	85	26.451	6.955,022	32.757,032	4,710	4,249
28	36	97.301	59.862,235	1.745.141,473	29,153	28,691	78	86	22.833	5.900,262	25.802,011	4,373	3,912
29	37	97.174	58.756,177	1.685.279,238	28,683	28,221	79	87	19.284	4.897,666	19.901,748	4,064	3,602
30	38	97.046	57.669,627	1.626.523,061	28,204	27,743	80	88	15.878	3.963,278	15.004,082	3,786	3,325
31	39	96.908	56.596,742	1.568.853,434	27,720	27,259	81	89	12.765	3.131,396	11.040,804	3,526	3,065
32	40	96.754	55.534,931	1.512.256,692	27,231	26,770	82	90	9.980	2.406,144	7.909,409	3,287	2,826
33	41	96.590	54.487,626	1.456.721,761	26,735	26,274	83	91	7.565	1.792,530	5.503,264	3,070	2,609
34	42	96.410	53.450,630	1.402.234,135	26,234	25,773	84	92	5.521	1.285,689	3.710,734	2,886	2,425
35	43	96.210	52.422,135	1.348.783,506	25,729	25,268	85	93	3.903	893,339	2.425,045	2,715	2,253
36	44	95.984	51.399,805	1.296.361,371	25,221	24,760	86	94	2.677	602,143	1.531,706	2,544	2,083
37	45	95.743	50.388,516	1.244.961,565	24,707	24,246	87	95	1.758	388,569	929,562	2,392	1,931
38	46	95.475	49.383,606	1.194.573,050	24,190	23,728	88	96	1.101	239,256	540,994	2,261	1,800
39	47	95.172	48.380,332	1.145.189,444	23,671	23,209	89	97	659	140,726	301,738	2,144	1,683
40	48	94.841	47.382,631	1.096.809,112	23,148	22,687	90	98	377	79,038	161,012	2,037	1,576
41	49	94.477	46.388,947	1.049.426,481	22,622	22,161	91	99	205	42,325	81,975	1,937	1,476
42	50	94.070	45.394,978	1.003.037,534	22,096	21,635	92	100	106	21,453	39,650	1,848	1,387
43	51	93.626	44.403,355	957.642,556	21,567	21,106	93	101	52	10,293	18,197	1,768	1,307
44	52	93.135	43.410,732	913.239,201	21,037	20,576	94	102	24	4,663	7,904	1,695	1,234
45	53	92.604	42.421,012	869.828,469	20,505	20,043	95	103	10	1,990	3,241	1,629	1,168
46	54	92.028	41.431,888	827.407,457	19,970	19,509	96	104	4	0,798	1,251	1,569	1,108
47	55	91.396	40.439,938	785.975,569	19,436	18,974	97	105	2	0,300	0,454	1,514	1,053
48	56	90.709	39.445,506	745.535,631	18,900	18,439	98	106					
49	57	89.976	38.453,813	706.090,125	18,362	17,901	99	107					
							100	108					

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -9 Jahre

Zinsfuß 1,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	9	99.495	99.494,592	3.932.240,012	39,522	39,061	50	59	88.743	37.274,537	652.261,207	17,499	17,038
1	10	99.034	97.330,976	3.832.745,420	39,378	38,917	51	60	87.854	36.266,607	614.986,670	16,957	16,496
2	11	98.986	95.610,293	3.735.414,444	39,069	38,608	52	61	86.918	35.263,027	578.720,063	16,412	15,950
3	12	98.957	93.938,162	3.639.804,151	38,747	38,286	53	62	85.922	34.259,402	543.457,036	15,863	15,402
4	13	98.930	92.297,836	3.545.865,989	38,418	37,956	54	63	84.845	33.247,985	509.197,634	15,315	14,854
5	14	98.907	90.689,452	3.453.568,153	38,081	37,620	55	64	83.695	32.233,531	475.949,649	14,766	14,304
6	15	98.882	89.107,093	3.362.878,701	37,740	37,279	56	65	82.461	31.212,085	443.716,118	14,216	13,755
7	16	98.853	87.548,686	3.273.771,609	37,394	36,933	57	66	81.147	30.186,465	412.504,032	13,665	13,204
8	17	98.820	86.014,091	3.186.222,922	37,043	36,582	58	67	79.717	29.144,223	382.317,567	13,118	12,657
9	18	98.787	84.506,085	3.100.208,831	36,686	36,225	59	68	78.154	28.081,622	353.173,344	12,577	12,115
10	19	98.749	83.021,008	3.015.702,746	36,325	35,863	60	69	76.448	26.996,208	325.091,722	12,042	11,581
11	20	98.712	81.562,845	2.932.681,738	35,956	35,495	61	70	74.623	25.898,507	298.095,514	11,510	11,049
12	21	98.667	80.123,148	2.851.118,893	35,584	35,123	62	71	72.679	24.789,922	272.197,008	10,980	10,519
13	22	98.630	78.715,561	2.770.995,745	35,203	34,741	63	72	70.538	23.645,720	247.407,085	10,463	10,002
14	23	98.590	77.330,758	2.692.280,184	34,815	34,354	64	73	68.265	22.490,287	223.761,365	9,949	9,488
15	24	98.546	75.966,898	2.614.949,426	34,422	33,961	65	74	65.819	21.311,451	201.271,079	9,444	8,983
16	25	98.496	74.622,452	2.538.982,527	34,024	33,563	66	75	63.194	20.109,711	179.959,628	8,949	8,488
17	26	98.434	73.292,890	2.464.360,075	33,623	33,162	67	76	60.378	18.883,048	159.849,917	8,465	8,004
18	27	98.357	71.975,658	2.391.067,186	33,220	32,759	68	77	57.374	17.635,034	140.966,869	7,994	7,532
19	28	98.254	70.663,493	2.319.091,528	32,819	32,358	69	78	54.195	16.371,494	123.331,834	7,533	7,072
20	29	98.145	69.371,619	2.248.428,034	32,411	31,950	70	79	50.843	15.094,606	106.960,340	7,086	6,625
21	30	98.042	68.106,721	2.179.056,415	31,995	31,534	71	80	47.315	13.805,673	91.865,734	6,654	6,193
22	31	97.933	66.860,970	2.110.949,694	31,572	31,111	72	81	43.593	12.500,803	78.060,062	6,244	5,783
23	32	97.824	65.638,029	2.044.088,724	31,142	30,681	73	82	39.714	11.192,531	65.559,259	5,857	5,396
24	33	97.717	64.438,384	1.978.450,695	30,703	30,242	74	83	35.707	9.890,103	54.366,729	5,497	5,036
25	34	97.607	63.258,869	1.914.012,311	30,257	29,796	75	84	31.741	8.640,388	44.476,625	5,148	4,686
26	35	97.490	62.096,277	1.850.753,443	29,805	29,343	76	85	27.840	7.448,300	35.836,237	4,811	4,350
27	36	97.370	60.953,415	1.788.657,166	29,345	28,883	77	86	24.155	6.351,154	28.387,937	4,470	4,009
28	37	97.246	59.828,386	1.727.703,751	28,878	28,416	78	87	20.531	5.305,431	22.036,783	4,154	3,692
29	38	97.115	58.720,146	1.667.875,365	28,404	27,943	79	88	17.011	4.320,341	16.731,352	3,873	3,411
30	39	96.979	57.629,287	1.609.155,218	27,923	27,461	80	89	13.790	3.442,000	12.411,011	3,606	3,145
31	40	96.830	56.551,450	1.551.525,932	27,436	26,974	81	90	10.873	2.667,245	8.969,011	3,363	2,901
32	41	96.670	55.486,617	1.494.974,482	26,943	26,482	82	91	8.349	2.012,831	6.301,766	3,131	2,670
33	42	96.495	54.433,765	1.439.487,865	26,445	25,984	83	92	6.148	1.456,610	4.288,935	2,944	2,483
34	43	96.302	53.390,515	1.385.054,100	25,942	25,481	84	93	4.387	1.021,621	2.832,325	2,772	2,311
35	44	96.085	52.354,090	1.331.663,585	25,436	24,975	85	94	3.029	693,239	1.810,703	2,612	2,151
36	45	95.851	51.328,256	1.279.309,495	24,924	24,463	86	95	2.026	455,738	1.117,464	2,452	1,991
37	46	95.591	50.308,599	1.227.981,238	24,409	23,948	87	96	1.296	286,462	661,726	2,310	1,849
38	47	95.304	49.294,914	1.177.672,639	23,890	23,429	88	97	790	171,586	375,264	2,187	1,726
39	48	94.987	48.286,249	1.128.377,725	23,369	22,907	89	98	459	98,050	203,678	2,077	1,616
40	49	94.640	47.282,183	1.080.091,476	22,844	22,382	90	99	255	53,432	105,629	1,977	1,516
41	50	94.250	46.277,302	1.032.809,293	22,318	21,857	91	100	134	27,726	52,197	1,883	1,421
42	51	93.833	45.280,281	986.531,991	21,787	21,326	92	101	67	13,600	24,471	1,799	1,338
43	52	93.366	44.280,036	941.251,710	21,257	20,796	93	102	32	6,307	10,871	1,724	1,263
44	53	92.853	43.279,492	896.971,674	20,725	20,264	94	103	14	2,758	4,565	1,655	1,194
45	54	92.312	42.287,066	853.692,182	20,188	19,727	95	104	6	1,134	1,807	1,593	1,132
46	55	91.707	41.287,778	811.405,116	19,652	19,191	96	105	2	0,438	0,672	1,536	1,075
47	56	91.050	40.286,797	770.117,337	19,116	18,655	97	106					
48	57	90.345	39.287,143	729.830,540	18,577	18,116	98	107					
49	58	89.574	38.282,190	690.543,397	18,038	17,577	99	108					
							100	109					

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -10 Jahre

Zinsfuß 1,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	10	99.488	99.488,163	3.913.337,672	39,335	38,874	50	60	88.292	37.085,041	636.163,636	17,154	16,693
1	11	99.026	97.322,791	3.813.849,510	39,188	38,726	51	61	87.371	36.066,986	599.078,595	16,610	16,149
2	12	98.977	95.601,327	3.716.526,719	38,875	38,414	52	62	86.429	35.064,590	563.011,609	16,056	15,595
3	13	98.948	93.930,184	3.620.925,392	38,549	38,088	53	63	85.381	34.043,811	527.947,018	15,508	15,047
4	14	98.921	92.288,894	3.526.995,208	38,217	37,756	54	64	84.267	33.021,838	493.903,208	14,957	14,496
5	15	98.896	90.678,884	3.434.706,315	37,878	37,416	55	65	83.083	31.997,813	460.881,370	14,404	13,942
6	16	98.865	89.091,172	3.344.027,430	37,535	37,074	56	66	81.788	30.957,164	428.883,556	13,854	13,393
7	17	98.832	87.530,146	3.254.936,258	37,186	36,725	57	67	80.412	29.913,079	397.926,392	13,303	12,842
8	18	98.798	85.995,166	3.167.406,113	36,832	36,371	58	68	78.906	28.847,972	368.013,313	12,757	12,296
9	19	98.758	84.481,781	3.081.410,946	36,474	36,013	59	69	77.260	27.760,436	339.165,340	12,218	11,756
10	20	98.722	82.997,994	2.996.929,165	36,108	35,647	60	70	75.473	26.651,785	311.404,904	11,684	11,223
11	21	98.681	81.537,083	2.913.931,171	35,737	35,276	61	71	73.563	25.530,397	284.583,119	11,153	10,692
12	22	98.643	80.103,544	2.832.394,088	35,359	34,898	62	72	71.501	24.388,021	259.222,722	10,629	10,168
13	23	98.603	78.694,250	2.752.290,543	34,974	34,513	63	73	69.266	23.219,409	234.834,700	10,114	9,653
14	24	98.565	77.310,582	2.673.596,293	34,583	34,121	64	74	66.874	22.032,107	211.615,292	9,605	9,144
15	25	98.520	75.946,260	2.596.285,711	34,186	33,725	65	75	64.321	20.826,366	189.583,185	9,103	8,642
16	26	98.472	74.604,090	2.520.339,452	33,783	33,322	66	76	61.556	19.588,316	168.756,819	8,615	8,154
17	27	98.407	73.272,371	2.445.735,362	33,379	32,917	67	77	58.630	18.336,415	149.168,503	8,135	7,674
18	28	98.328	71.954,682	2.372.462,991	32,972	32,510	68	78	55.508	17.061,322	130.832,088	7,668	7,207
19	29	98.225	70.642,519	2.300.508,309	32,565	32,104	69	79	52.187	15.764,732	113.770,766	7,217	6,756
20	30	98.117	69.351,314	2.229.865,790	32,153	31,692	70	80	48.704	14.459,634	98.006,034	6,778	6,317
21	31	98.010	68.084,422	2.160.514,477	31,733	31,272	71	81	45.010	13.133,138	83.546,400	6,361	5,900
22	32	97.898	66.837,087	2.092.430,055	31,306	30,845	72	82	41.163	11.803,959	70.413,262	5,965	5,504
23	33	97.790	65.614,690	2.025.592,968	30,871	30,410	73	83	37.147	10.469,223	58.609,303	5,598	5,137
24	34	97.678	64.412,635	1.959.978,278	30,428	29,967	74	84	33.148	9.181,399	48.140,080	5,243	4,782
25	35	97.561	63.229,212	1.895.565,643	29,979	29,518	75	85	29.190	7.946,033	38.958,681	4,903	4,442
26	36	97.440	62.064,486	1.832.336,431	29,523	29,062	76	86	25.423	6.801,604	31.012,647	4,560	4,098
27	37	97.315	60.918,948	1.770.271,945	29,059	28,598	77	87	21.720	5.710,867	24.211,043	4,239	3,778
28	38	97.186	59.791,698	1.709.352,996	28,588	28,127	78	88	18.111	4.680,039	18.500,176	3,953	3,492
29	39	97.047	58.679,071	1.649.561,298	28,112	27,650	79	89	14.774	3.752,099	13.820,138	3,683	3,222
30	40	96.901	57.583,168	1.590.882,228	27,628	27,166	80	90	11.746	2.931,810	10.068,039	3,434	2,973
31	41	96.746	56.502,251	1.533.299,060	27,137	26,676	81	91	9.096	2.231,252	7.136,228	3,198	2,737
32	42	96.574	55.431,769	1.476.796,809	26,642	26,181	82	92	6.784	1.635,627	4.904,976	2,999	2,538
33	43	96.386	54.372,545	1.421.365,040	26,141	25,680	83	93	4.885	1.157,437	3.269,350	2,825	2,363
34	44	96.177	53.321,213	1.366.992,494	25,637	25,176	84	94	3.404	792,788	2.111,913	2,664	2,203
35	45	95.951	52.281,213	1.313.671,281	25,127	24,666	85	95	2.293	524,685	1.319,125	2,514	2,053
36	46	95.699	51.246,849	1.261.390,068	24,614	24,153	86	96	1.494	335,981	794,440	2,365	1,903
37	47	95.419	50.218,246	1.210.143,219	24,098	23,636	87	97	929	205,440	458,460	2,232	1,770
38	48	95.118	49.199,053	1.159.924,973	23,576	23,115	88	98	550	119,552	253,019	2,116	1,655
39	49	94.786	48.183,886	1.110.725,920	23,052	22,591	89	99	310	66,284	133,468	2,014	1,552
40	50	94.412	47.168,388	1.062.542,035	22,527	22,065	90	100	167	35,002	67,183	1,919	1,458
41	51	94.011	46.160,376	1.015.373,647	21,997	21,535	91	101	85	17,577	32,182	1,831	1,370
42	52	93.572	45.154,527	969.213,271	21,464	21,003	92	102	41	8,333	14,605	1,753	1,291
43	53	93.084	44.146,168	924.058,744	20,932	20,471	93	103	19	3,730	6,272	1,682	1,220
44	54	92.560	43.142,835	879.912,575	20,395	19,934	94	104	8	1,572	2,542	1,617	1,156
45	55	91.991	42.139,982	836.769,740	19,857	19,396	95	105	3	0,623	0,970	1,558	1,097
46	56	91.360	41.131,427	794.629,758	19,319	18,858	96	106					
47	57	90.685	40.125,057	753.498,331	18,779	18,318	97	107					
48	58	89.941	39.111,801	713.373,274	18,239	17,778	98	108					
49	59	89.143	38.097,837	674.261,473	17,698	17,237	99	109					
							100	110					

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -11 Jahre

Zinsfuß 1,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	11	99.480	99.479,797	3.893.478,991	39,138	38,677	50	61	87.806	36.880,916	619.351,195	16,793	16,332
1	12	99.017	97.313,664	3.793.999,195	38,987	38,526	51	62	86.879	35.864,025	582.470,280	16,241	15,780
2	13	98.968	95.593,208	3.696.685,531	38,671	38,210	52	63	85.885	34.843,932	546.606,255	15,687	15,226
3	14	98.939	93.921,083	3.601.092,323	38,342	37,880	53	64	84.800	33.812,251	511.762,323	15,135	14,674
4	15	98.909	92.278,140	3.507.171,240	38,007	37,545	54	65	83.651	32.780,355	477.950,072	14,580	14,119
5	16	98.878	90.662,683	3.414.893,101	37,666	37,205	55	66	82.405	31.736,475	445.169,717	14,027	13,566
6	17	98.844	89.072,305	3.324.230,418	37,321	36,859	56	67	81.047	30.676,798	413.433,242	13,477	13,016
7	18	98.810	87.510,887	3.235.158,113	36,969	36,507	57	68	79.595	29.609,013	382.756,444	12,927	12,466
8	19	98.770	85.970,435	3.147.647,226	36,613	36,152	58	69	78.004	28.518,022	353.147,431	12,383	11,922
9	20	98.731	84.458,363	3.061.676,791	36,251	35,790	59	70	76.275	27.406,263	324.629,409	11,845	11,384
10	21	98.690	82.971,779	2.977.218,429	35,882	35,421	60	71	74.400	26.272,969	297.223,146	11,313	10,852
11	22	98.657	81.517,133	2.894.246,650	35,505	35,044	61	72	72.370	25.116,491	270.950,176	10,788	10,327
12	23	98.616	80.081,857	2.812.729,517	35,123	34,662	62	73	70.212	23.948,327	245.833,685	10,265	9,804
13	24	98.577	78.673,718	2.732.647,660	34,734	34,273	63	74	67.855	22.746,375	221.885,358	9,755	9,294
14	25	98.538	77.289,578	2.653.973,942	34,338	33,877	64	75	65.352	21.530,618	199.138,983	9,249	8,788
15	26	98.495	75.927,572	2.576.684,363	33,936	33,475	65	76	62.653	20.286,389	177.608,365	8,755	8,294
16	27	98.445	74.583,204	2.500.756,791	33,530	33,069	66	77	59.774	19.021,267	157.321,976	8,271	7,810
17	28	98.378	73.251,017	2.426.173,588	33,121	32,660	67	78	56.723	17.739,885	138.300,709	7,796	7,335
18	29	98.299	71.933,324	2.352.922,571	32,710	32,249	68	79	53.450	16.428,994	120.560,823	7,338	6,877
19	30	98.196	70.621,841	2.280.989,246	32,299	31,837	69	80	49.992	15.101,571	104.131,830	6,895	6,434
20	31	98.085	69.328,607	2.210.367,405	31,882	31,421	70	81	46.332	13.755,242	89.030,259	6,472	6,011
21	32	97.975	68.060,101	2.141.038,798	31,458	30,997	71	82	42.501	12.401,046	75.275,017	6,070	5,609
22	33	97.863	66.813,321	2.072.978,697	31,026	30,565	72	83	38.503	11.041,139	62.873,971	5,695	5,233
23	34	97.751	65.588,471	2.006.165,376	30,587	30,126	73	84	34.485	9.719,020	51.832,833	5,333	4,872
24	35	97.632	64.382,438	1.940.576,904	30,141	29,680	74	85	30.484	8.443,568	42.113,812	4,988	4,526
25	36	97.511	63.196,841	1.876.194,467	29,688	29,227	75	86	26.655	7.256,122	33.670,245	4,640	4,179
26	37	97.385	62.029,391	1.812.997,626	29,228	28,767	76	87	22.860	6.115,904	26.414,123	4,319	3,858
27	38	97.256	60.881,592	1.750.968,234	28,760	28,299	77	88	19.159	5.037,683	20.298,218	4,029	3,568
28	39	97.118	59.749,873	1.690.086,642	28,286	27,825	78	89	15.729	4.064,487	15.260,535	3,755	3,293
29	40	96.969	58.632,112	1.630.336,769	27,806	27,345	79	90	12.584	3.195,945	11.196,048	3,503	3,042
30	41	96.817	57.533,072	1.571.704,657	27,318	26,857	80	91	9.826	2.452,571	8.000,103	3,262	2,801
31	42	96.650	56.446,399	1.514.171,585	26,825	26,364	81	92	7.391	1.813,115	5.547,533	3,060	2,598
32	43	96.465	55.369,426	1.457.725,186	26,327	25,866	82	93	5.391	1.299,685	3.734,417	2,873	2,412
33	44	96.261	54.301,968	1.402.355,760	25,825	25,364	83	94	3.791	898,182	2.434,732	2,711	2,250
34	45	96.043	53.246,990	1.348.053,791	25,317	24,856	84	95	2.577	600,029	1.536,550	2,561	2,100
35	46	95.799	52.198,294	1.294.806,802	24,806	24,344	85	96	1.690	386,810	936,521	2,421	1,960
36	47	95.527	51.154,811	1.242.608,507	24,291	23,830	86	97	1.071	240,953	549,711	2,281	1,820
37	48	95.233	50.120,589	1.191.453,696	23,772	23,311	87	98	648	143,139	308,758	2,157	1,696
38	49	94.917	49.094,754	1.141.333,107	23,248	22,786	88	99	372	80,820	165,618	2,049	1,588
39	50	94.558	48.067,920	1.092.238,353	22,723	22,262	89	100	203	43,421	84,798	1,953	1,492
40	51	94.174	47.049,211	1.044.170,433	22,193	21,732	90	101	106	22,189	41,377	1,865	1,404
41	52	93.750	46.032,178	997.121,222	21,661	21,200	91	102	52	10,769	19,188	1,782	1,320
42	53	93.289	45.018,016	951.089,044	21,127	20,666	92	103	24	4,928	8,418	1,708	1,247
43	54	92.790	44.006,775	906.071,029	20,589	20,128	93	104	11	2,126	3,490	1,641	1,180
44	55	92.238	42.992,774	862.064,254	20,051	19,590	94	105	4	0,863	1,364	1,581	1,119
45	56	91.642	41.980,403	819.071,480	19,511	19,050	95	106					
46	57	90.993	40.966,296	777.091,076	18,969	18,508	96	107					
47	58	90.280	39.945,976	736.124,780	18,428	17,967	97	108					
48	59	89.508	38.923,453	696.178,805	17,886	17,425	98	109					
49	60	88.690	37.904,156	657.255,351	17,340	16,879	99	110					
							100	111					

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -12 Jahre

Zinsfuß 1,75%

Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	12	99.470	99.470,467	3.872.662,231	38,933	38,472	50	62	87.312	36.673,374	601.839,776	16,411	15,950
1	13	99.008	97.305,399	3.773.191,763	38,777	38,316	51	63	86.332	35.638,336	565.166,403	15,858	15,397
2	14	98.959	95.583,946	3.675.886,364	38,457	37,996	52	64	85.301	34.606,930	529.528,066	15,301	14,840
3	15	98.927	93.910,139	3.580.302,418	38,125	37,664	53	65	84.180	33.564,988	494.921,137	14,745	14,284
4	16	98.891	92.261,652	3.486.392,280	37,788	37,327	54	66	82.968	32.512,626	461.356,149	14,190	13,729
5	17	98.857	90.643,483	3.394.130,627	37,445	36,984	55	67	81.658	31.449,051	428.843,523	13,636	13,175
6	18	98.822	89.052,707	3.303.487,145	37,096	36,635	56	68	80.223	30.364,969	397.394,472	13,087	12,626
7	19	98.782	87.485,720	3.214.434,437	36,742	36,281	57	69	78.685	29.270,358	367.029,503	12,539	12,078
8	20	98.742	85.946,603	3.126.948,718	36,382	35,921	58	70	77.009	28.154,184	337.759,146	11,997	11,536
9	21	98.700	84.431,686	3.041.002,114	36,017	35,556	59	71	75.191	27.016,724	309.604,962	11,460	10,999
10	22	98.666	82.951,478	2.956.570,428	35,642	35,181	60	72	73.194	25.847,025	282.588,238	10,933	10,472
11	23	98.630	81.495,063	2.873.618,950	35,261	34,800	61	73	71.065	24.663,663	256.741,214	10,410	9,948
12	24	98.590	80.060,963	2.792.123,887	34,875	34,414	62	74	68.781	23.460,443	232.077,550	9,892	9,431
13	25	98.551	78.652,344	2.712.062,924	34,482	34,020	63	75	66.310	22.228,628	208.617,107	9,385	8,924
14	26	98.514	77.270,560	2.633.410,580	34,080	33,619	64	76	63.658	20.972,382	186.388,479	8,887	8,426
15	27	98.468	75.906,315	2.556.140,020	33,675	33,214	65	77	60.839	19.699,132	165.416,097	8,397	7,936
16	28	98.416	74.561,468	2.480.233,705	33,264	32,803	66	78	57.829	18.402,457	145.716,965	7,918	7,457
17	29	98.349	73.229,274	2.405.672,237	32,851	32,390	67	79	54.620	17.082,408	127.314,507	7,453	6,992
18	30	98.270	71.912,269	2.332.442,962	32,435	31,973	68	80	51.202	15.737,889	110.232,100	7,004	6,543
19	31	98.164	70.598,718	2.260.530,693	32,019	31,558	69	81	47.556	14.365,907	94.494,210	6,578	6,116
20	32	98.050	69.303,842	2.189.931,975	31,599	31,138	70	82	43.749	12.988,471	80.128,303	6,169	5,708
21	33	97.940	68.035,901	2.120.628,133	31,169	30,708	71	83	39.755	11.599,639	67.139,832	5,788	5,327
22	34	97.824	66.786,624	2.052.592,232	30,734	30,272	72	84	35.744	10.249,954	55.540,193	5,419	4,957
23	35	97.705	65.557,722	1.985.805,608	30,291	29,830	73	85	31.714	8.937,985	45.290,239	5,067	4,606
24	36	97.582	64.349,477	1.920.247,886	29,841	29,380	74	86	27.837	7.710,458	36.352,254	4,715	4,253
25	37	97.456	63.161,106	1.855.898,409	29,384	28,922	75	87	23.968	6.524,600	28.641,796	4,390	3,929
26	38	97.325	61.991,354	1.792.737,303	28,919	28,458	76	88	20.165	5.394,976	22.117,196	4,100	3,638
27	39	97.188	60.839,004	1.730.745,949	28,448	27,987	77	89	16.639	4.375,091	16.722,220	3,822	3,361
28	40	97.040	59.702,057	1.669.906,945	27,971	27,509	78	90	13.397	3.462,029	12.347,129	3,566	3,105
29	41	96.885	58.581,103	1.610.204,888	27,487	27,026	79	91	10.527	2.673,530	8.885,099	3,323	2,862
30	42	96.721	57.476,201	1.551.623,784	26,996	26,535	80	92	7.985	1.992,959	6.211,570	3,117	2,656
31	43	96.542	56.382,916	1.494.147,583	26,500	26,039	81	93	5.873	1.440,720	4.218,611	2,928	2,467
32	44	96.340	55.297,556	1.437.764,668	26,001	25,539	82	94	4.183	1.008,568	2.777,891	2,754	2,293
33	45	96.127	54.226,380	1.382.467,112	25,494	25,033	83	95	2.869	679,797	1.769,323	2,603	2,142
34	46	95.891	53.162,539	1.328.240,732	24,985	24,523	84	96	1.900	442,355	1.089,526	2,463	2,002
35	47	95.627	52.104,547	1.275.078,193	24,472	24,010	85	97	1.212	277,406	647,170	2,333	1,872
36	48	95.341	51.055,333	1.222.973,646	23,954	23,493	86	98	746	167,883	369,764	2,203	1,741
37	49	95.032	50.014,337	1.171.918,313	23,432	22,970	87	99	438	96,766	201,881	2,086	1,625
38	50	94.688	48.976,597	1.121.903,976	22,907	22,446	88	100	244	52,943	105,115	1,985	1,524
39	51	94.319	47.946,470	1.072.927,379	22,378	21,916	89	101	129	27,527	52,171	1,895	1,434
40	52	93.912	46.918,544	1.024.980,909	21,846	21,385	90	102	65	13,595	24,645	1,813	1,352
41	53	93.467	45.893,013	978.062,365	21,312	20,851	91	103	31	6,369	11,049	1,735	1,274
42	54	92.995	44.875,869	932.169,352	20,772	20,311	92	104	14	2,809	4,680	1,666	1,205
43	55	92.467	43.853,709	887.293,483	20,233	19,772	93	105	6	1,167	1,871	1,603	1,142
44	56	91.889	42.829,967	843.439,774	19,693	19,232	94	106					
45	57	91.274	41.811,864	800.609,807	19,148	18,687	95	107					
46	58	90.587	40.783,460	758.797,943	18,606	18,144	96	108					
47	59	89.845	39.753,610	718.014,483	18,062	17,600	97	109					
48	60	89.053	38.725,575	678.260,873	17,515	17,053	98	110					
49	61	88.202	37.695,522	639.535,298	16,966	16,505	99	111					
							100	112					

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -13 Jahre

Zinsfuß 1,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	13	99.462	99.462,020	3.850.886,816	38,717	38,256	50	63	86.762	36.442,592	583.636,299	16,015	15,554
1	14	98.999	97.295,971	3.751.424,796	38,557	38,096	51	64	85.745	35.395,930	547.193,707	15,459	14,998
2	15	98.947	95.572,808	3.654.128,825	38,234	37,773	52	65	84.677	34.353,855	511.797,777	14,898	14,437
3	16	98.910	93.893,360	3.558.556,017	37,900	37,439	53	66	83.493	33.290,850	477.443,922	14,342	13,880
4	17	98.871	92.242,114	3.464.662,658	37,561	37,099	54	67	82.217	32.218,173	444.153,072	13,786	13,325
5	18	98.836	90.623,539	3.372.420,544	37,214	36,752	55	68	80.828	31.129,372	411.934,899	13,233	12,772
6	19	98.794	89.027,096	3.281.797,005	36,863	36,402	56	69	79.306	30.017,667	380.805,527	12,686	12,225
7	20	98.755	87.461,468	3.192.769,908	36,505	36,044	57	70	77.681	28.896,921	350.787,860	12,139	11,678
8	21	98.711	85.919,457	3.105.308,440	36,142	35,681	58	71	75.914	27.754,013	321.890,939	11,598	11,137
9	22	98.675	84.411,028	3.019.388,983	35,770	35,309	59	72	73.972	26.578,721	294.136,925	11,067	10,605
10	23	98.639	82.929,019	2.934.977,955	35,391	34,930	60	73	71.874	25.381,026	267.558,204	10,542	10,080
11	24	98.604	81.473,801	2.852.048,936	35,006	34,545	61	74	69.617	24.161,206	242.177,179	10,023	9,562
12	25	98.563	80.039,213	2.770.575,135	34,615	34,154	62	75	67.216	22.926,443	218.015,972	9,509	9,048
13	26	98.526	78.632,990	2.690.535,923	34,216	33,755	63	76	64.591	21.652,295	195.089,529	9,010	8,549
14	27	98.486	77.248,927	2.611.902,932	33,812	33,350	64	77	61.815	20.365,267	173.437,234	8,516	8,055
15	28	98.439	75.884,194	2.534.654,005	33,402	32,940	65	78	58.860	19.058,260	153.071,967	8,032	7,571
16	29	98.387	74.539,336	2.458.769,811	32,986	32,525	66	79	55.686	17.720,423	134.013,698	7,563	7,101
17	30	98.320	73.207,840	2.384.230,475	32,568	32,107	67	80	52.323	16.363,817	116.293,274	7,107	6,646
18	31	98.238	71.888,724	2.311.022,635	32,147	31,686	68	81	48.708	14.971,228	99.929,458	6,675	6,214
19	32	98.129	70.573,500	2.239.133,912	31,728	31,266	69	82	44.905	13.565,096	84.958,230	6,263	5,802
20	33	98.015	69.279,199	2.168.560,412	31,302	30,841	70	83	40.922	12.149,103	71.393,134	5,876	5,415
21	34	97.901	68.008,715	2.099.281,213	30,868	30,407	71	84	36.906	10.768,433	59.244,031	5,502	5,040
22	35	97.778	66.755,313	2.031.272,498	30,429	29,967	72	85	32.871	9.426,252	48.475,598	5,143	4,681
23	36	97.655	65.524,160	1.964.517,184	29,982	29,520	73	86	28.961	8.161,948	39.049,347	4,784	4,323
24	37	97.527	64.313,090	1.898.993,025	29,527	29,066	74	87	25.031	6.933,133	30.887,399	4,455	3,994
25	38	97.397	63.122,374	1.834.679,935	29,065	28,604	75	88	21.143	5.755,496	23.954,266	4,162	3,701
26	39	97.257	61.947,990	1.771.557,561	28,597	28,136	76	89	17.513	4.685,391	18.198,771	3,884	3,423
27	40	97.110	60.790,317	1.709.609,571	28,123	27,662	77	90	14.173	3.726,594	13.513,380	3,626	3,165
28	41	96.956	59.650,118	1.648.819,253	27,642	27,180	78	91	11.207	2.896,119	9.786,786	3,379	2,918
29	42	96.789	58.523,197	1.589.169,136	27,155	26,693	79	92	8.554	2.172,510	6.890,666	3,172	2,711
30	43	96.612	57.411,559	1.530.645,939	26,661	26,200	80	93	6.345	1.583,625	4.718,156	2,979	2,518
31	44	96.416	56.309,729	1.473.234,380	26,163	25,702	81	94	4.558	1.118,012	3.134,531	2,804	2,342
32	45	96.206	55.220,581	1.416.924,650	25,659	25,198	82	95	3.166	763,344	2.016,519	2,642	2,180
33	46	95.975	54.140,376	1.361.704,069	25,151	24,690	83	96	2.115	501,163	1.253,175	2,501	2,039
34	47	95.718	53.067,061	1.307.563,693	24,640	24,179	84	97	1.362	317,242	752,012	2,370	1,909
35	48	95.441	52.003,222	1.254.496,632	24,123	23,662	85	98	845	193,281	434,771	2,249	1,788
36	49	95.139	50.947,099	1.202.493,410	23,603	23,142	86	99	505	113,494	241,489	2,128	1,667
37	50	94.803	49.893,966	1.151.546,311	23,080	22,619	87	100	287	63,389	127,996	2,019	1,558
38	51	94.449	48.852,851	1.101.652,345	22,550	22,089	88	101	154	33,563	64,607	1,925	1,464
39	52	94.057	47.813,312	1.052.799,494	22,019	21,558	89	102	79	16,866	31,043	1,841	1,379
40	53	93.628	46.776,699	1.004.986,182	21,485	21,024	90	103	38	8,040	14,178	1,763	1,302
41	54	93.172	45.748,104	958.209,483	20,945	20,484	91	104	18	3,631	6,137	1,690	1,229
42	55	92.671	44.719,780	912.461,379	20,404	19,943	92	105	8	1,542	2,506	1,625	1,164
43	56	92.117	43.687,641	867.741,599	19,862	19,401	93	106					
44	57	91.520	42.658,016	824.053,958	19,318	18,856	94	107					
45	58	90.867	41.625,254	781.395,942	18,772	18,311	95	108					
46	59	90.151	40.587,062	739.770,688	18,227	17,766	96	109					
47	60	89.388	39.551,512	699.183,626	17,678	17,217	97	110					
48	61	88.563	38.512,419	659.632,114	17,128	16,667	98	111					
49	62	87.705	37.483,396	621.119,695	16,571	16,109	99	112					
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -14 Jahre

Zinsfuß 1,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	14	99.452	99.452,383	3.828.152,114	38,492	38,031	50	64	86.172	36.194,715	564.769,883	15,604	15,142
1	15	98.987	97.284,634	3.728.699,731	38,328	37,867	51	65	85.118	35.137,086	528.575,168	15,043	14,582
2	16	98.929	95.555,732	3.631.415,097	38,003	37,542	52	66	83.985	34.073,275	493.438,082	14,482	14,020
3	17	98.889	93.873,475	3.535.859,366	37,666	37,205	53	67	82.737	32.989,349	459.364,807	13,925	13,463
4	18	98.849	92.221,819	3.441.985,890	37,323	36,862	54	68	81.381	31.890,675	426.375,459	13,370	12,909
5	19	98.807	90.597,477	3.349.764,072	36,974	36,513	55	69	79.904	30.773,327	394.484,784	12,819	12,358
6	20	98.766	89.002,417	3.259.166,595	36,619	36,158	56	70	78.294	29.634,697	363.711,456	12,273	11,812
7	21	98.723	87.433,843	3.170.164,177	36,258	35,797	57	71	76.577	28.486,194	334.076,760	11,728	11,266
8	22	98.687	85.898,435	3.082.730,334	35,888	35,427	58	72	74.683	27.304,058	305.590,566	11,192	10,731
9	23	98.649	84.388,174	2.996.831,900	35,512	35,051	59	73	72.638	26.099,530	278.286,508	10,663	10,201
10	24	98.614	82.907,383	2.912.443,725	35,129	34,668	60	74	70.410	24.863,955	252.186,978	10,143	9,681
11	25	98.578	81.451,666	2.829.536,343	34,739	34,278	61	75	68.033	23.611,256	227.323,023	9,628	9,167
12	26	98.539	80.019,518	2.748.084,677	34,343	33,881	62	76	65.473	22.332,017	203.711,768	9,122	8,661
13	27	98.499	78.610,976	2.668.065,159	33,940	33,479	63	77	62.721	21.025,497	181.379,750	8,627	8,165
14	28	98.457	77.226,415	2.589.454,183	33,531	33,069	64	78	59.804	19.702,733	160.354,254	8,139	7,677
15	29	98.410	75.861,670	2.512.227,768	33,116	32,655	65	79	56.679	18.351,930	140.651,520	7,664	7,203
16	30	98.358	74.517,518	2.436.366,098	32,695	32,234	66	80	53.343	16.974,993	122.299,590	7,205	6,743
17	31	98.288	73.183,870	2.361.848,580	32,273	31,812	67	81	49.774	15.566,664	105.324,597	6,766	6,305
18	32	98.203	71.863,044	2.288.664,710	31,848	31,386	68	82	45.993	14.136,674	89.757,933	6,349	5,888
19	33	98.094	70.548,405	2.216.801,666	31,422	30,961	69	83	42.003	12.688,463	75.621,260	5,960	5,499
20	34	97.976	69.251,517	2.146.253,260	30,992	30,531	70	84	37.989	11.278,523	62.932,796	5,580	5,119
21	35	97.855	67.976,831	2.077.001,743	30,555	30,093	71	85	33.940	9.903,065	51.654,273	5,216	4,755
22	36	97.728	66.721,138	2.009.024,912	30,111	29,650	72	86	30.017	8.607,821	41.751,208	4,850	4,389
23	37	97.599	65.487,108	1.942.303,774	29,659	29,198	73	87	26.041	7.339,106	33.143,387	4,516	4,055
24	38	97.467	64.273,652	1.876.816,666	29,200	28,739	74	88	22.080	6.115,871	25.804,281	4,219	3,758
25	39	97.328	63.078,219	1.812.543,015	28,735	28,274	75	89	18.362	4.998,492	19.688,410	3,939	3,478
26	40	97.179	61.898,416	1.749.464,795	28,263	27,802	76	90	14.917	3.990,900	14.689,918	3,681	3,220
27	41	97.025	60.737,431	1.687.566,380	27,785	27,323	77	91	11.856	3.117,438	10.699,018	3,432	2,971
28	42	96.860	59.591,154	1.626.828,949	27,300	26,839	78	92	9.107	2.353,387	7.581,580	3,222	2,760
29	43	96.680	58.457,377	1.567.237,794	26,810	26,349	79	93	6.797	1.726,298	5.228,194	3,029	2,567
30	44	96.487	57.337,038	1.508.780,417	26,314	25,853	80	94	4.923	1.228,908	3.501,895	2,850	2,388
31	45	96.282	56.231,346	1.451.443,379	25,812	25,351	81	95	3.449	846,178	2.272,987	2,686	2,225
32	46	96.053	55.133,001	1.395.212,033	25,306	24,845	82	96	2.334	562,755	1.426,810	2,535	2,074
33	47	95.802	54.043,141	1.340.079,033	24,796	24,335	83	97	1.517	359,416	864,054	2,404	1,943
34	48	95.532	52.963,864	1.286.035,892	24,281	23,820	84	98	949	221,036	504,638	2,283	1,822
35	49	95.239	51.892,979	1.233.072,028	23,762	23,301	85	99	571	130,664	283,602	2,170	1,709
36	50	94.910	50.824,483	1.181.179,049	23,240	22,779	86	100	331	74,347	152,938	2,057	1,596
37	51	94.563	49.767,903	1.130.354,566	22,713	22,251	87	101	182	40,185	78,592	1,956	1,495
38	52	94.187	48.717,175	1.080.586,663	22,181	21,720	88	102	95	20,564	38,406	1,868	1,406
39	53	93.773	47.668,762	1.031.869,488	21,647	21,185	89	103	47	9,974	17,842	1,789	1,328
40	54	93.332	46.629,000	984.200,726	21,107	20,646	90	104	22	4,584	7,867	1,716	1,255
41	55	92.848	45.588,981	937.571,726	20,566	20,105	91	105	10	1,993	3,284	1,648	1,187
42	56	92.320	44.550,433	891.982,745	20,022	19,561	92	106					
43	57	91.747	43.512,247	847.432,312	19,476	19,015	93	107					
44	58	91.111	42.467,630	803.920,065	18,930	18,469	94	108					
45	59	90.429	41.424,802	761.452,435	18,382	17,920	95	109					
46	60	89.693	40.380,726	720.027,633	17,831	17,370	96	110					
47	61	88.896	39.333,810	679.646,907	17,279	16,818	97	111					
48	62	88.065	38.295,697	640.313,097	16,720	16,259	98	112					
49	63	87.153	37.247,517	602.017,400	16,163	15,701	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -15 Jahre

Zinsfuß 1,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	15	99.441	99.440,794	3.804.461,114	38,259	37,797	50	65	85.542	35.930,030	545.265,479	15,176	14,715
1	16	98.969	97.267,252	3.705.020,320	38,091	37,630	51	66	84.423	34.850,108	509.335,449	14,615	14,154
2	17	98.908	95.535,496	3.607.753,068	37,763	37,302	52	67	83.225	33.764,687	474.485,341	14,053	13,592
3	18	98.867	93.852,821	3.512.217,572	37,423	36,961	53	68	81.896	32.654,012	440.720,653	13,497	13,035
4	19	98.820	92.195,296	3.418.364,751	37,077	36,616	54	69	80.450	31.525,923	408.066,641	12,944	12,483
5	20	98.780	90.572,363	3.326.169,454	36,724	36,263	55	70	78.884	30.380,716	376.540,718	12,394	11,933
6	21	98.735	88.974,305	3.235.597,092	36,366	35,904	56	71	77.181	29.213,483	346.160,002	11,849	11,388
7	22	98.699	87.412,451	3.146.622,786	35,997	35,536	57	72	75.335	28.024,368	316.946,520	11,310	10,848
8	23	98.660	85.875,178	3.059.210,336	35,624	35,163	58	73	73.337	26.811,790	288.922,152	10,776	10,315
9	24	98.623	84.366,157	2.973.335,157	35,243	34,782	59	74	71.158	25.567,821	262.110,362	10,252	9,790
10	25	98.587	82.884,859	2.888.969,000	34,855	34,394	60	75	68.807	24.298,008	236.542,541	9,735	9,274
11	26	98.553	81.431,624	2.806.084,142	34,459	33,998	61	76	66.269	22.999,074	212.244,532	9,228	8,767
12	27	98.512	79.997,115	2.724.652,518	34,059	33,598	62	77	63.578	21.685,542	189.245,458	8,727	8,266
13	28	98.470	78.588,067	2.644.655,403	33,652	33,191	63	78	60.681	20.341,484	167.559,915	8,237	7,776
14	29	98.428	77.203,492	2.566.067,336	33,238	32,777	64	79	57.587	18.972,508	147.218,431	7,760	7,298
15	30	98.381	75.839,464	2.488.863,844	32,818	32,356	65	80	54.294	17.579,935	128.245,923	7,295	6,834
16	31	98.326	74.493,120	2.413.024,380	32,393	31,931	66	81	50.745	16.148,067	110.665,988	6,853	6,392
17	32	98.253	73.157,728	2.338.531,260	31,966	31,504	67	82	46.999	14.698,917	94.517,920	6,430	5,969
18	33	98.168	71.837,492	2.265.373,532	31,535	31,073	68	83	43.020	13.223,103	79.819,003	6,036	5,575
19	34	98.055	70.520,216	2.193.536,040	31,105	30,644	69	84	38.993	11.779,234	66.595,900	5,654	5,192
20	35	97.930	69.219,051	2.123.015,824	30,671	30,210	70	85	34.936	10.372,164	54.816,665	5,285	4,824
21	36	97.805	67.942,030	2.053.796,774	30,229	29,767	71	86	30.993	9.043,235	44.444,502	4,915	4,453
22	37	97.673	66.683,409	1.985.854,744	29,780	29,319	72	87	26.991	7.740,028	35.401,266	4,574	4,113
23	38	97.540	65.446,950	1.919.171,334	29,324	28,863	73	88	22.971	6.473,989	27.661,238	4,273	3,811
24	39	97.399	64.228,691	1.853.724,384	28,861	28,400	74	89	19.176	5.311,469	21.187,249	3,989	3,528
25	40	97.251	63.027,740	1.789.495,692	28,392	27,931	75	90	15.640	4.257,592	15.875,780	3,729	3,268
26	41	97.095	61.844,565	1.726.467,952	27,916	27,455	76	91	12.479	3.338,539	11.618,188	3,480	3,019
27	42	96.930	60.677,393	1.664.623,387	27,434	26,973	77	92	9.634	2.533,230	8.279,649	3,268	2,807
28	43	96.751	59.524,134	1.603.945,994	26,946	26,485	78	93	7.237	1.870,025	5.746,418	3,073	2,612
29	44	96.555	58.381,498	1.544.421,861	26,454	25,993	79	94	5.275	1.339,623	3.876,394	2,894	2,432
30	45	96.352	57.257,224	1.486.040,362	25,954	25,493	80	95	3.726	930,110	2.536,770	2,727	2,266
31	46	96.129	56.142,162	1.428.783,138	25,449	24,988	81	96	2.543	623,822	1.606,660	2,576	2,114
32	47	95.881	55.033,983	1.372.640,975	24,942	24,480	82	97	1.674	403,588	982,838	2,435	1,974
33	48	95.616	53.938,046	1.317.606,993	24,428	23,967	83	98	1.057	250,421	579,250	2,313	1,852
34	49	95.330	52.851,584	1.263.668,946	23,910	23,449	84	99	642	149,427	328,828	2,201	1,739
35	50	95.009	51.768,087	1.210.817,362	23,389	22,928	85	100	374	85,594	179,402	2,096	1,635
36	51	94.670	50.696,069	1.159.049,275	22,863	22,402	86	101	210	47,132	93,807	1,990	1,529
37	52	94.301	49.629,685	1.108.353,207	22,332	21,871	87	102	111	24,622	46,675	1,896	1,434
38	53	93.902	48.569,893	1.058.723,521	21,798	21,337	88	103	56	12,162	22,054	1,813	1,352
39	54	93.477	47.518,246	1.010.153,629	21,258	20,797	89	104	27	5,686	9,892	1,740	1,278
40	55	93.008	46.466,813	962.635,383	20,717	20,255	90	105	12	2,516	4,205	1,672	1,210
41	56	92.496	45.416,342	916.168,570	20,173	19,711	91	106					
42	57	91.950	44.371,575	870.752,228	19,624	19,163	92	107					
43	58	91.337	43.318,048	826.380,653	19,077	18,616	93	108					
44	59	90.673	42.263,121	783.062,604	18,528	18,067	94	109					
45	60	89.970	41.214,207	740.799,483	17,974	17,513	95	110					
46	61	89.199	40.158,460	699.585,275	17,421	16,959	96	111					
47	62	88.396	39.112,465	659.426,815	16,860	16,399	97	112					
48	63	87.511	38.054,706	620.314,350	16,301	15,839	98						
49	64	86.560	36.994,165	582.259,644	15,739	15,278	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -16 Jahre

Zinsfuß 1,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	16	99.423	99.423,027	3.779.818,863	38,018	37,556	50	66	84.843	35.636,576	525.149,466	14,736	14,275
1	17	98.948	97.246,653	3.680.395,836	37,846	37,385	51	67	83.658	34.534,485	489.512,890	14,175	13,713
2	18	98.887	95.514,476	3.583.149,183	37,514	37,053	52	68	82.379	33.421,469	454.978,405	13,613	13,152
3	19	98.838	93.825,830	3.487.634,707	37,171	36,710	53	69	80.959	32.280,529	421.556,935	13,059	12,598
4	20	98.793	92.169,739	3.393.808,877	36,821	36,360	54	70	79.424	31.123,710	389.276,406	12,507	12,046
5	21	98.749	90.543,755	3.301.639,137	36,465	36,003	55	71	77.763	29.948,898	358.152,696	11,959	11,498
6	22	98.711	88.952,536	3.211.095,383	36,099	35,638	56	72	75.930	28.739,866	328.203,798	11,420	10,959
7	23	98.673	87.388,785	3.122.142,847	35,727	35,266	57	73	73.977	27.519,113	299.463,932	10,882	10,421
8	24	98.635	85.852,773	3.034.754,062	35,348	34,887	58	74	71.843	26.265,570	271.944,818	10,354	9,892
9	25	98.596	84.343,237	2.948.901,289	34,963	34,502	59	75	69.538	24.985,854	245.679,248	9,833	9,372
10	26	98.563	82.864,463	2.864.558,053	34,569	34,108	60	76	67.023	23.668,021	220.693,394	9,325	8,863
11	27	98.526	81.408,826	2.781.693,589	34,169	33,708	61	77	64.351	22.333,289	197.025,373	8,822	8,361
12	28	98.483	79.973,802	2.700.284,763	33,765	33,303	62	78	61.509	20.980,057	174.692,084	8,327	7,865
13	29	98.441	78.564,740	2.620.310,962	33,352	32,891	63	79	58.432	19.587,586	153.712,027	7,847	7,386
14	30	98.399	77.180,894	2.541.746,222	32,932	32,471	64	80	55.165	18.174,408	134.124,441	7,380	6,919
15	31	98.349	75.814,633	2.464.565,328	32,508	32,047	65	81	51.649	16.723,540	115.950,032	6,933	6,472
16	32	98.291	74.466,510	2.388.750,694	32,078	31,617	66	82	47.916	15.247,911	99.226,493	6,508	6,046
17	33	98.218	73.131,715	2.314.284,184	31,645	31,184	67	83	43.962	13.749,013	83.978,582	6,108	5,647
18	34	98.129	71.808,787	2.241.152,469	31,210	30,749	68	84	39.938	12.275,563	70.229,569	5,721	5,260
19	35	98.009	70.487,155	2.169.343,682	30,776	30,315	69	85	35.860	10.832,637	57.954,006	5,350	4,889
20	36	97.879	69.183,613	2.098.856,527	30,337	29,876	70	86	31.903	9.471,604	47.121,369	4,975	4,514
21	37	97.750	67.903,612	2.029.672,914	29,891	29,429	71	87	27.869	8.131,547	37.649,764	4,630	4,169
22	38	97.613	66.642,518	1.961.769,302	29,437	28,976	72	88	23.809	6.827,652	29.518,217	4,323	3,862
23	39	97.471	65.401,169	1.895.126,784	28,977	28,516	73	89	19.950	5.622,484	22.690,565	4,036	3,574
24	40	97.321	64.177,292	1.829.725,615	28,510	28,049	74	90	16.334	4.524,177	17.068,081	3,773	3,311
25	41	97.166	62.972,907	1.765.548,323	28,037	27,575	75	91	13.084	3.561,638	12.543,904	3,522	3,061
26	42	96.999	61.783,433	1.702.575,416	27,557	27,096	76	92	10.140	2.712,897	8.982,266	3,311	2,850
27	43	96.821	60.609,150	1.640.791,983	27,072	26,610	77	93	7.656	2.012,930	6.269,369	3,115	2,653
28	44	96.626	59.446,870	1.580.182,833	26,581	26,120	78	94	5.616	1.451,156	4.256,438	2,933	2,472
29	45	96.420	58.300,231	1.520.735,963	26,085	25,623	79	95	3.992	1.013,907	2.805,282	2,767	2,306
30	46	96.200	57.166,414	1.462.435,732	25,582	25,121	80	96	2.747	685,699	1.791,376	2,612	2,151
31	47	95.957	56.041,332	1.405.269,318	25,076	24,614	81	97	1.824	447,383	1.105,676	2,471	2,010
32	48	95.694	54.926,961	1.349.227,986	24,564	24,103	82	98	1.166	281,198	658,293	2,341	1,880
33	49	95.413	53.823,701	1.294.301,025	24,047	23,586	83	99	714	169,292	377,095	2,227	1,766
34	50	95.100	52.724,385	1.240.477,323	23,528	23,066	84	100	420	97,886	207,804	2,123	1,662
35	51	94.769	51.637,288	1.187.752,939	23,002	22,541	85	101	237	54,262	109,918	2,026	1,564
36	52	94.407	50.555,274	1.136.115,650	22,473	22,012	86	102	128	28,878	55,655	1,927	1,466
37	53	94.016	49.479,644	1.085.560,377	21,940	21,478	87	103	66	14,561	26,778	1,839	1,378
38	54	93.606	48.416,531	1.036.080,732	21,399	20,938	88	104	32	6,933	12,216	1,762	1,301
39	55	93.151	47.352,966	987.664,201	20,857	20,396	89	105	15	3,121	5,283	1,693	1,231
40	56	92.656	46.290,850	940.311,235	20,313	19,852	90	106					
41	57	92.125	45.234,008	894.020,386	19,764	19,303	91	107					
42	58	91.539	44.173,541	848.786,377	19,215	18,754	92	108					
43	59	90.898	43.109,445	804.612,836	18,664	18,203	93	109					
44	60	90.212	42.048,265	761.503,392	18,110	17,649	94	110					
45	61	89.474	40.987,354	719.455,127	17,553	17,092	95	111					
46	62	88.697	39.932,475	678.467,773	16,990	16,529	96	112					
47	63	87.840	38.866,334	638.535,298	16,429	15,968	97						
48	64	86.915	37.795,864	599.668,964	15,866	15,405	98						
49	65	85.927	36.723,634	561.873,100	15,300	14,839	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -17 Jahre

Zinsfuß 1,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	17	99.402	99.401,972	3.754.235,754	37,768	37,307	50	67	84.075	35.313,831	504.461,886	14,285	13,824
1	18	98.927	97.225,257	3.654.833,782	37,591	37,130	51	68	82.808	34.183,443	469.148,055	13,724	13,263
2	19	98.858	95.487,007	3.557.608,525	37,258	36,796	52	69	81.437	33.039,209	434.964,613	13,165	12,704
3	20	98.811	93.799,821	3.462.121,518	36,910	36,448	53	70	79.926	31.868,689	401.925,404	12,612	12,151
4	21	98.762	92.140,627	3.368.321,697	36,556	36,095	54	71	78.295	30.681,332	370.056,715	12,061	11,600
5	22	98.724	90.521,601	3.276.181,070	36,192	35,731	55	72	76.502	29.463,359	339.375,383	11,519	11,057
6	23	98.684	88.928,453	3.185.659,469	35,823	35,362	56	73	74.561	28.221,712	309.912,024	10,981	10,520
7	24	98.647	87.365,984	3.096.731,016	35,446	34,984	57	74	72.470	26.958,484	281.690,313	10,449	9,988
8	25	98.608	85.829,449	3.009.365,032	35,062	34,601	58	75	70.208	25.667,721	254.731,829	9,924	9,463
9	26	98.572	84.322,483	2.923.535,583	34,671	34,210	59	76	67.735	24.338,033	229.064,108	9,412	8,951
10	27	98.535	82.841,265	2.839.213,100	34,273	33,812	60	77	65.083	22.982,871	204.726,075	8,908	8,447
11	28	98.497	81.385,101	2.756.371,836	33,868	33,407	61	78	62.257	21.606,731	181.743,204	8,411	7,950
12	29	98.454	79.950,064	2.674.986,735	33,458	32,997	62	79	59.230	20.202,492	160.136,473	7,927	7,465
13	30	98.412	78.541,743	2.595.036,671	33,040	32,579	63	80	55.974	18.763,612	139.933,981	7,458	6,997
14	31	98.367	77.155,624	2.516.494,928	32,616	32,155	64	81	52.478	17.289,053	121.170,369	7,009	6,547
15	32	98.314	75.787,552	2.439.339,304	32,187	31,725	65	82	48.770	15.791,305	103.881,316	6,578	6,117
16	33	98.256	74.440,032	2.363.551,753	31,751	31,290	66	83	44.820	14.262,528	88.090,011	6,176	5,715
17	34	98.179	73.102,493	2.289.111,721	31,314	30,853	67	84	40.812	12.763,787	73.827,483	5,784	5,323
18	35	98.083	71.775,122	2.216.009,227	30,874	30,413	68	85	36.728	11.289,080	61.063,696	5,409	4,948
19	36	97.958	70.451,068	2.144.234,106	30,436	29,975	69	86	32.746	9.892,097	49.774,616	5,032	4,571
20	37	97.824	69.144,493	2.073.783,037	29,992	29,531	70	87	28.687	8.516,730	39.882,518	4,683	4,222
21	38	97.690	67.861,972	2.004.638,545	29,540	29,079	71	88	24.584	7.173,019	31.365,788	4,373	3,912
22	39	97.545	66.595,901	1.936.776,573	29,083	28,621	72	89	20.678	5.929,631	24.192,769	4,080	3,619
23	40	97.393	65.348,831	1.870.180,672	28,618	28,157	73	90	16.993	4.789,093	18.263,138	3,813	3,352
24	41	97.237	64.121,459	1.804.831,841	28,147	27,686	74	91	13.664	3.784,647	13.474,045	3,560	3,099
25	42	97.070	62.910,659	1.740.710,382	27,670	27,208	75	92	10.632	2.894,187	9.689,399	3,348	2,887
26	43	96.890	61.713,946	1.677.799,723	27,187	26,726	76	93	8.058	2.155,695	6.795,212	3,152	2,691
27	44	96.695	60.530,479	1.616.085,776	26,699	26,238	77	94	5.941	1.562,052	4.639,516	2,970	2,509
28	45	96.491	59.364,120	1.555.555,298	26,204	25,742	78	95	4.250	1.098,321	3.077,464	2,802	2,341
29	46	96.267	58.207,766	1.496.191,178	25,704	25,243	79	96	2.943	747,476	1.979,143	2,648	2,187
30	47	96.027	57.063,744	1.437.983,412	25,200	24,738	80	97	1.970	491,759	1.231,667	2,505	2,043
31	48	95.770	55.932,352	1.380.919,668	24,689	24,228	81	98	1.271	311,712	739,908	2,374	1,912
32	49	95.492	54.810,520	1.324.987,316	24,174	23,713	82	99	788	190,098	428,196	2,253	1,791
33	50	95.184	53.694,162	1.270.176,796	23,656	23,195	83	100	468	110,899	238,098	2,147	1,686
34	51	94.860	52.591,170	1.216.482,634	23,131	22,670	84	101	266	62,054	127,200	2,050	1,589
35	52	94.506	51.493,879	1.163.891,464	22,603	22,141	85	102	145	33,247	65,145	1,959	1,498
36	53	94.122	50.402,435	1.112.397,585	22,070	21,609	86	103	76	17,078	31,899	1,868	1,407
37	54	93.719	49.323,410	1.061.995,151	21,531	21,070	87	104	38	8,301	14,820	1,785	1,324
38	55	93.280	48.248,127	1.012.671,740	20,989	20,528	88	105	18	3,805	6,519	1,713	1,252
39	56	92.799	47.173,647	964.423,613	20,444	19,983	89						
40	57	92.284	46.105,005	917.249,966	19,895	19,434	90						
41	58	91.714	45.032,125	871.144,961	19,345	18,884	91						
42	59	91.099	43.960,818	826.112,837	18,792	18,331	92						
43	60	90.435	42.890,286	782.152,019	18,236	17,775	93						
44	61	89.715	41.816,821	739.261,733	17,679	17,217	94						
45	62	88.971	40.756,704	697.444,913	17,112	16,651	95						
46	63	88.139	39.681,184	656.688,209	16,549	16,088	96						
47	64	87.242	38.601,972	617.007,025	15,984	15,523	97						
48	65	86.280	37.519,470	578.405,053	15,416	14,955	98						
49	66	85.226	36.423,698	540.885,584	14,850	14,389	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -18 Jahre

Zinsfuß 1,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	18	99.380	99.380,101	3.727.720,104	37,510	37,049	50	68	83.220	34.954,866	483.244,772	13,825	13,364
1	19	98.898	97.197,296	3.628.340,003	37,330	36,868	51	69	81.861	33.792,467	448.289,907	13,266	12,805
2	20	98.831	95.460,537	3.531.142,707	36,991	36,529	52	70	80.398	32.617,689	414.497,440	12,708	12,247
3	21	98.780	93.770,194	3.435.682,170	36,639	36,178	53	71	78.790	31.415,722	381.879,751	12,156	11,694
4	22	98.738	92.118,083	3.341.911,976	36,279	35,817	54	72	77.025	30.183,918	350.464,029	11,611	11,150
5	23	98.698	90.497,093	3.249.793,893	35,910	35,449	55	73	75.123	28.932,161	320.280,111	11,070	10,609
6	24	98.658	88.905,251	3.159.296,800	35,536	35,074	56	74	73.042	27.646,769	291.347,951	10,538	10,077
7	25	98.620	87.342,249	3.070.391,549	35,154	34,692	57	75	70.820	26.344,863	263.701,182	10,010	9,548
8	26	98.584	85.808,329	2.983.049,300	34,764	34,303	58	76	68.387	25.002,220	237.356,319	9,493	9,032
9	27	98.544	84.298,876	2.897.240,971	34,369	33,907	59	77	65.775	23.633,487	212.354,099	8,985	8,524
10	28	98.506	82.817,122	2.812.942,096	33,966	33,505	60	78	62.966	22.235,180	188.720,612	8,487	8,026
11	29	98.468	81.360,944	2.730.124,974	33,556	33,095	61	79	59.950	20.805,940	166.485,431	8,002	7,541
12	30	98.425	79.926,662	2.648.764,029	33,140	32,679	62	80	56.738	19.352,651	145.679,491	7,528	7,066
13	31	98.380	78.516,028	2.568.837,368	32,717	32,256	63	81	53.247	17.849,554	126.326,840	7,077	6,616
14	32	98.332	77.128,063	2.490.321,340	32,288	31,827	64	82	49.552	16.325,294	108.477,286	6,645	6,184
15	33	98.279	75.760,603	2.413.193,277	31,853	31,392	65	83	45.619	14.770,805	92.151,992	6,239	5,778
16	34	98.216	74.410,287	2.337.432,674	31,413	30,952	66	84	41.608	13.240,505	77.381,186	5,844	5,383
17	35	98.133	73.068,221	2.263.022,387	30,971	30,510	67	85	37.532	11.738,069	64.140,681	5,464	5,003
18	36	98.033	71.738,376	2.189.954,165	30,527	30,066	68	86	33.539	10.308,910	52.402,612	5,083	4,622
19	37	97.903	70.411,231	2.118.215,789	30,083	29,622	69	87	29.445	8.894,831	42.093,702	4,732	4,271
20	38	97.764	69.102,092	2.047.804,558	29,634	29,173	70	88	25.305	7.512,798	33.198,870	4,419	3,958
21	39	97.621	67.814,502	1.978.702,466	29,178	28,717	71	89	21.350	6.229,573	25.686,072	4,123	3,662
22	40	97.467	66.542,607	1.910.887,965	28,717	28,256	72	90	17.613	5.050,713	19.456,499	3,852	3,391
23	41	97.309	65.291,979	1.844.345,358	28,248	27,786	73	91	14.215	4.006,259	14.405,787	3,596	3,135
24	42	97.140	64.058,075	1.779.053,379	27,773	27,311	74	92	11.103	3.075,404	10.399,528	3,382	2,920
25	43	96.961	62.839,906	1.714.995,304	27,292	26,830	75	93	8.448	2.299,750	7.324,124	3,185	2,724
26	44	96.764	61.633,841	1.652.155,398	26,806	26,345	76	94	6.253	1.672,839	5.024,374	3,004	2,542
27	45	96.560	60.446,220	1.590.521,557	26,313	25,852	77	95	4.496	1.182,254	3.351,535	2,835	2,374
28	46	96.338	59.269,968	1.530.075,338	25,815	25,354	78	96	3.133	809,708	2.169,281	2,679	2,218
29	47	96.094	58.103,226	1.470.805,370	25,314	24,852	79	97	2.111	536,063	1.359,573	2,536	2,075
30	48	95.840	56.952,775	1.412.702,144	24,805	24,344	80	98	1.373	342,631	823,510	2,403	1,942
31	49	95.567	55.813,779	1.355.749,369	24,291	23,829	81	99	859	210,726	480,879	2,282	1,821
32	50	95.262	54.678,606	1.299.935,590	23,774	23,313	82	100	517	124,528	270,153	2,169	1,708
33	51	94.943	53.558,497	1.245.256,984	23,250	22,789	83	101	297	70,304	145,625	2,071	1,610
34	52	94.597	52.445,111	1.191.698,487	22,723	22,262	84	102	163	38,021	75,321	1,981	1,520
35	53	94.220	51.338,202	1.139.253,375	22,191	21,730	85	103	86	19,662	37,300	1,897	1,436
36	54	93.825	50.243,287	1.087.915,173	21,653	21,192	86	104	43	9,736	17,638	1,812	1,350
37	55	93.393	49.151,852	1.037.671,886	21,112	20,650	87	105	21	4,556	7,901	1,734	1,273
38	56	92.927	48.065,418	988.520,035	20,566	20,105	88	106					
39	57	92.426	46.984,258	940.454,617	20,016	19,555	89	107					
40	58	91.872	45.899,234	893.470,359	19,466	19,005	90	108					
41	59	91.272	44.815,267	847.571,124	18,913	18,451	91	109					
42	60	90.635	43.737,330	802.755,858	18,354	17,893	92	110					
43	61	89.938	42.654,207	759.018,527	17,795	17,333	93	111					
44	62	89.210	41.581,503	716.364,321	17,228	16,767	94	112					
45	63	88.411	40.500,226	674.782,818	16,661	16,200	95						
46	64	87.539	39.411,279	634.282,592	16,094	15,633	96						
47	65	86.604	38.319,683	594.871,313	15,524	15,063	97						
48	66	85.575	37.213,034	556.551,630	14,956	14,495	98						
49	67	84.454	36.093,824	519.338,596	14,389	13,927	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -19 Jahre

Zinsfuß 1,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	19	99.352	99.351,520	3.700.278,249	37,244	36,783	50	69	82.268	34.555,067	461.548,466	13,357	12,896
1	20	98.871	97.170,352	3.600.926,729	37,058	36,597	51	70	80.816	33.361,337	426.993,399	12,799	12,338
2	21	98.800	95.430,385	3.503.756,376	36,715	36,254	52	71	79.255	32.154,076	393.632,062	12,242	11,781
3	22	98.756	93.747,251	3.408.325,991	36,357	35,895	53	72	77.513	30.906,402	361.477,986	11,696	11,235
4	23	98.711	92.093,143	3.314.578,740	35,992	35,530	54	73	75.637	29.639,729	330.571,584	11,153	10,692
5	24	98.672	90.473,482	3.222.485,598	35,618	35,157	55	74	73.593	28.342,744	300.931,856	10,618	10,156
6	25	98.632	88.881,097	3.132.012,116	35,238	34,777	56	75	71.379	27.017,481	272.589,111	10,089	9,628
7	26	98.596	87.320,757	3.043.131,018	34,850	34,389	57	76	68.984	25.661,806	245.571,630	9,570	9,108
8	27	98.556	85.784,306	2.955.810,261	34,456	33,995	58	77	66.408	24.278,447	219.909,825	9,058	8,597
9	28	98.516	84.274,308	2.870.025,955	34,056	33,595	59	78	63.635	22.864,630	195.631,377	8,556	8,095
10	29	98.477	82.792,540	2.785.751,647	33,647	33,186	60	79	60.632	21.411,098	172.766,747	8,069	7,608
11	30	98.439	81.337,129	2.702.959,107	33,232	32,770	61	80	57.428	19.930,714	151.355,649	7,594	7,133
12	31	98.393	79.900,492	2.621.621,978	32,811	32,350	62	81	53.974	18.409,899	131.424,935	7,139	6,678
13	32	98.345	78.487,981	2.541.721,485	32,384	31,922	63	82	50.279	16.854,551	113.015,036	6,705	6,244
14	33	98.297	77.100,638	2.463.233,504	31,948	31,487	64	83	46.350	15.270,286	96.160,485	6,297	5,836
15	34	98.239	75.730,331	2.386.132,866	31,508	31,047	65	84	42.350	13.712,360	80.890,199	5,899	5,438
16	35	98.170	74.375,402	2.310.402,535	31,064	30,603	66	85	38.264	12.176,478	67.177,839	5,517	5,056
17	36	98.082	73.030,814	2.236.027,133	30,618	30,156	67	86	34.273	10.718,916	55.001,361	5,131	4,670
18	37	97.977	71.697,811	2.162.996,319	30,168	29,707	68	87	30.158	9.269,623	44.282,445	4,777	4,316
19	38	97.843	70.368,054	2.091.298,509	29,719	29,258	69	88	25.974	7.846,329	35.012,822	4,462	4,001
20	39	97.696	69.053,754	2.020.930,455	29,266	28,805	70	89	21.977	6.524,662	27.166,493	4,164	3,702
21	40	97.543	67.760,232	1.951.876,701	28,806	28,344	71	90	18.186	5.306,196	20.641,831	3,890	3,429
22	41	97.382	66.484,716	1.884.116,468	28,339	27,878	72	91	14.734	4.225,114	15.335,635	3,630	3,168
23	42	97.212	65.227,439	1.817.631,753	27,866	27,405	73	92	11.551	3.255,486	11.110,521	3,413	2,952
24	43	97.031	63.986,031	1.752.404,314	27,387	26,926	74	93	8.823	2.443,747	7.855,036	3,214	2,753
25	44	96.835	62.758,338	1.688.418,283	26,903	26,442	75	94	6.556	1.784,627	5.411,289	3,032	2,571
26	45	96.629	61.548,046	1.625.659,945	26,413	25,952	76	95	4.732	1.266,104	3.626,662	2,864	2,403
27	46	96.407	60.350,351	1.564.111,899	25,917	25,456	77	96	3.315	871,585	2.360,557	2,708	2,247
28	47	96.165	59.163,520	1.503.761,548	25,417	24,956	78	97	2.247	580,694	1.488,972	2,564	2,103
29	48	95.908	57.990,236	1.444.598,028	24,911	24,450	79	98	1.471	373,499	908,278	2,432	1,971
30	49	95.637	56.832,039	1.386.607,792	24,398	23,937	80	99	928	231,628	534,779	2,309	1,848
31	50	95.337	55.679,450	1.329.775,753	23,883	23,421	81	100	563	138,041	303,151	2,196	1,735
32	51	95.021	54.540,453	1.274.096,302	23,361	22,899	82	101	327	78,944	165,110	2,091	1,630
33	52	94.680	53.409,752	1.219.555,849	22,834	22,373	83	102	182	43,075	86,165	2,000	1,539
34	53	94.311	52.286,559	1.166.146,096	22,303	21,842	84	103	97	22,486	43,090	1,916	1,455
35	54	93.923	51.176,100	1.113.859,537	21,765	21,304	85	104	49	11,209	20,604	1,838	1,377
36	55	93.498	50.068,529	1.062.683,437	21,225	20,763	86	105	24	5,344	9,395	1,758	1,297
37	56	93.039	48.965,721	1.012.614,909	20,680	20,219	87	106					
38	57	92.554	47.872,449	963.649,188	20,130	19,668	88	107					
39	58	92.014	46.774,563	915.776,740	19,579	19,117	89	108					
40	59	91.429	45.678,200	869.002,176	19,024	18,563	90	109					
41	60	90.808	44.587,436	823.323,976	18,465	18,004	91	110					
42	61	90.137	43.496,589	778.736,540	17,903	17,442	92	111					
43	62	89.432	42.414,177	735.239,951	17,335	16,874	93	112					
44	63	88.649	41.319,835	692.825,775	16,767	16,306	94						
45	64	87.810	40.224,750	651.505,940	16,197	15,735	95						
46	65	86.899	39.123,071	611.281,190	15,625	15,163	96						
47	66	85.897	38.006,712	572.158,119	15,054	14,593	97						
48	67	84.800	36.876,011	534.151,407	14,485	14,024	98						
49	68	83.595	35.726,930	497.275,396	13,919	13,458	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -20 Jahre

Zinsfuß 1,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	20	99.324	99.323,980	3.671.922,824	36,969	36,508	50	70	81.219	34.114,207	439.429,164	12,881	12,420
1	21	98.840	97.139,660	3.572.598,844	36,778	36,317	51	71	79.668	32.887,154	405.314,957	12,324	11,863
2	22	98.776	95.407,036	3.475.459,184	36,428	35,966	52	72	77.970	31.632,785	372.427,803	11,773	11,312
3	23	98.729	93.721,870	3.380.052,148	36,065	35,604	53	73	76.115	30.349,187	340.795,018	11,229	10,768
4	24	98.685	92.069,115	3.286.330,278	35,694	35,233	54	74	74.096	29.035,897	310.445,831	10,692	10,231
5	25	98.645	90.448,903	3.194.261,163	35,316	34,854	55	75	71.918	27.697,615	281.409,933	10,160	9,699
6	26	98.607	88.859,227	3.103.812,261	34,930	34,468	56	76	69.529	26.316,985	253.712,319	9,641	9,179
7	27	98.568	87.296,311	3.014.953,034	34,537	34,076	57	77	66.987	24.918,939	227.395,334	9,125	8,664
8	28	98.527	85.759,306	2.927.656,723	34,138	33,677	58	78	64.247	23.488,609	202.476,395	8,620	8,159
9	29	98.486	84.249,294	2.841.897,418	33,732	33,271	59	79	61.276	22.017,219	178.987,787	8,129	7,668
10	30	98.448	82.768,306	2.757.648,124	33,318	32,856	60	80	58.082	20.510,415	156.970,568	7,653	7,192
11	31	98.407	81.310,498	2.674.879,817	32,897	32,436	61	81	54.630	18.959,802	136.460,153	7,197	6,736
12	32	98.357	79.871,951	2.593.569,320	32,472	32,010	62	82	50.965	17.383,660	117.500,350	6,759	6,298
13	33	98.310	78.460,072	2.513.697,368	32,038	31,577	63	83	47.030	15.765,340	100.116,691	6,350	5,889
14	34	98.258	77.069,830	2.435.237,296	31,598	31,137	64	84	43.029	14.176,049	84.351,351	5,950	5,489
15	35	98.193	75.694,827	2.358.167,465	31,154	30,692	65	85	38.946	12.610,414	70.175,301	5,565	5,104
16	36	98.120	74.337,325	2.282.472,638	30,704	30,243	66	86	34.942	11.119,260	57.564,887	5,177	4,716
17	37	98.027	72.989,518	2.208.135,313	30,253	29,792	67	87	30.818	9.638,295	46.445,628	4,819	4,358
18	38	97.917	71.653,844	2.135.145,795	29,798	29,337	68	88	26.603	8.176,942	36.807,333	4,501	4,040
19	39	97.774	70.318,830	2.063.491,951	29,345	28,884	69	89	22.558	6.814,325	28.630,391	4,202	3,740
20	40	97.618	68.998,493	1.993.173,121	28,887	28,426	70	90	18.719	5.557,545	21.816,066	3,925	3,464
21	41	97.458	67.701,282	1.924.174,627	28,422	27,960	71	91	15.213	4.438,835	16.258,521	3,663	3,202
22	42	97.286	66.418,996	1.856.473,345	27,951	27,490	72	92	11.973	3.433,327	11.819,686	3,443	2,981
23	43	97.103	65.154,079	1.790.054,349	27,474	27,013	73	93	9.179	2.586,842	8.386,359	3,242	2,781
24	44	96.905	63.902,976	1.724.900,269	26,992	26,531	74	94	6.847	1.896,370	5.799,517	3,058	2,597
25	45	96.700	62.670,978	1.660.997,294	26,503	26,042	75	95	4.962	1.350,712	3.903,148	2,890	2,428
26	46	96.476	61.450,430	1.598.326,316	26,010	25,549	76	96	3.489	933,402	2.552,436	2,735	2,273
27	47	96.234	60.241,963	1.536.875,886	25,512	25,051	77	97	2.377	625,070	1.619,034	2,590	2,129
28	48	95.978	59.048,468	1.476.633,922	25,007	24,546	78	98	1.566	404,596	993,964	2,457	1,995
29	49	95.704	57.867,300	1.417.585,454	24,497	24,036	79	99	994	252,496	589,368	2,334	1,873
30	50	95.407	56.695,260	1.359.718,154	23,983	23,522	80	100	608	151,734	336,872	2,220	1,759
31	51	95.096	55.538,769	1.303.022,894	23,462	23,000	81	101	357	87,511	185,139	2,116	1,654
32	52	94.757	54.388,981	1.247.484,125	22,936	22,475	82	102	201	48,369	97,628	2,018	1,557
33	53	94.393	53.248,284	1.193.095,143	22,406	21,945	83	103	108	25,475	49,258	1,934	1,472
34	54	94.013	52.121,462	1.139.846,860	21,869	21,408	84	104	55	12,819	23,784	1,855	1,394
35	55	93.596	50.998,097	1.087.725,398	21,329	20,868	85	105	27	6,152	10,964	1,782	1,321
36	56	93.144	49.878,926	1.036.727,301	20,785	20,324	86	106					
37	57	92.666	48.769,137	986.848,375	20,235	19,774	87	107					
38	58	92.141	47.658,790	938.079,238	19,683	19,222	88	108					
39	59	91.570	46.549,314	890.420,448	19,129	18,667	89	109					
40	60	90.965	45.445,982	843.871,134	18,569	18,107	90	110					
41	61	90.308	44.342,015	798.425,151	18,006	17,545	91	111					
42	62	89.629	43.251,818	754.083,136	17,435	16,974	92	112					
43	63	88.869	42.147,269	710.831,318	16,865	16,404	93						
44	64	88.046	41.038,784	668.684,049	16,294	15,833	94						
45	65	87.167	39.930,594	627.645,265	15,718	15,257	95						
46	66	86.190	38.803,539	587.714,671	15,146	14,685	96						
47	67	85.119	37.662,501	548.911,133	14,574	14,113	97						
48	68	83.938	36.501,167	511.248,632	14,006	13,545	98						
49	69	82.639	35.318,301	474.747,465	13,442	12,981	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -21 Jahre

Zinsfuß 1,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	21	99.293	99.292,607	3.642.658,784	36,686	36,225	50	71	80.064	33.629,324	416.944,404	12,398	11,937
1	22	98.815	97.115,893	3.543.366,176	36,486	36,025	51	72	78.376	32.353,979	383.315,080	11,848	11,386
2	23	98.749	95.381,206	3.446.250,283	36,131	35,670	52	73	76.564	31.062,474	350.961,102	11,299	10,837
3	24	98.703	93.697,417	3.350.869,078	35,763	35,301	53	74	74.565	29.730,902	319.898,627	10,760	10,299
4	25	98.658	92.044,102	3.257.171,660	35,387	34,926	54	75	72.409	28.374,991	290.167,725	10,226	9,765
5	26	98.621	90.426,646	3.165.127,559	35,002	34,541	55	76	70.053	26.979,484	261.792,734	9,703	9,242
6	27	98.580	88.834,350	3.074.700,913	34,612	34,150	56	77	67.516	25.555,151	234.813,250	9,188	8,727
7	28	98.539	87.270,870	2.985.866,563	34,214	33,753	57	78	64.808	24.108,263	209.258,099	8,680	8,219
8	29	98.498	85.733,851	2.898.595,693	33,809	33,348	58	79	61.866	22.618,071	185.149,835	8,186	7,725
9	30	98.458	84.224,633	2.812.861,843	33,397	32,936	59	80	58.699	21.091,039	162.531,764	7,706	7,245
10	31	98.416	82.741,206	2.728.637,209	32,978	32,517	60	81	55.252	19.511,263	141.440,725	7,249	6,788
11	32	98.372	81.281,453	2.645.896,003	32,552	32,091	61	82	51.585	17.902,909	121.929,462	6,811	6,349
12	33	98.322	79.843,551	2.564.614,550	32,120	31,659	62	83	47.672	16.260,256	104.026,553	6,398	5,936
13	34	98.270	78.428,722	2.484.770,999	31,682	31,221	63	84	43.660	14.635,629	87.766,297	5,997	5,536
14	35	98.212	77.033,699	2.406.342,278	31,238	30,776	64	85	39.571	13.036,840	73.130,668	5,610	5,148
15	36	98.143	75.656,075	2.329.308,579	30,788	30,327	65	86	35.565	11.515,519	60.093,828	5,219	4,757
16	37	98.065	74.295,290	2.253.652,504	30,334	29,873	66	87	31.419	9.998,278	48.578,309	4,859	4,397
17	38	97.967	72.944,759	2.179.357,214	29,877	29,416	67	88	27.185	8.502,155	38.580,031	4,538	4,076
18	39	97.849	71.603,721	2.106.412,454	29,418	28,956	68	89	23.104	7.101,453	30.077,876	4,235	3,774
19	40	97.696	70.262,557	2.034.808,733	28,960	28,499	69	90	19.214	5.804,273	22.976,423	3,959	3,497
20	41	97.533	68.938,466	1.964.546,176	28,497	28,036	70	91	15.660	4.649,098	17.172,150	3,694	3,232
21	42	97.362	67.634,360	1.895.607,710	28,027	27,566	71	92	12.362	3.606,997	12.523,052	3,472	3,011
22	43	97.176	66.344,297	1.827.973,350	27,553	27,092	72	93	9.514	2.728,156	8.916,054	3,268	2,807
23	44	96.977	65.069,508	1.761.629,053	27,073	26,612	73	94	7.123	2.007,413	6.187,898	3,083	2,621
24	45	96.770	63.814,022	1.696.559,545	26,586	26,125	74	95	5.182	1.435,285	4.180,485	2,913	2,451
25	46	96.547	62.571,581	1.632.745,523	26,094	25,633	75	96	3.658	995,777	2.745,200	2,757	2,296
26	47	96.303	61.340,066	1.570.173,941	25,598	25,137	76	97	2.502	669,403	1.749,423	2,613	2,152
27	48	96.047	60.124,814	1.508.833,875	25,095	24,634	77	98	1.656	435,514	1.080,021	2,480	2,019
28	49	95.775	58.923,289	1.448.709,061	24,586	24,125	78	99	1.058	273,518	644,506	2,356	1,895
29	50	95.474	57.728,030	1.389.785,772	24,075	23,614	79	100	651	165,404	370,988	2,243	1,782
30	51	95.166	56.552,012	1.332.057,742	23,555	23,093	80	101	385	96,191	205,585	2,137	1,676
31	52	94.832	55.384,525	1.275.505,730	23,030	22,569	81	102	219	53,618	109,394	2,040	1,579
32	53	94.471	54.224,552	1.220.121,205	22,501	22,040	82	103	119	28,606	55,775	1,950	1,489
33	54	94.095	53.080,150	1.165.896,653	21,965	21,504	83	104	61	14,523	27,170	1,871	1,410
34	55	93.686	51.940,171	1.112.816,503	21,425	20,964	84	105	30	7,036	12,646	1,797	1,336
35	56	93.242	50.804,974	1.060.876,332	20,881	20,420	85	106					
36	57	92.770	49.678,676	1.010.071,358	20,332	19,871	86	107					
37	58	92.252	48.551,476	960.392,682	19,781	19,320	87	108					
38	59	91.697	47.429,283	911.841,206	19,225	18,764	88	109					
39	60	91.105	46.312,668	864.411,923	18,665	18,203	89	110					
40	61	90.464	45.195,836	818.099,255	18,101	17,640	90	111					
41	62	89.800	44.092,487	772.903,419	17,529	17,068	91	112					
42	63	89.065	42.979,639	728.810,932	16,957	16,496	92						
43	64	88.264	41.860,590	685.831,293	16,384	15,922	93						
44	65	87.402	40.738,675	643.970,703	15,807	15,346	94						
45	66	86.456	39.604,466	603.232,028	15,231	14,770	95						
46	67	85.409	38.452,111	563.627,563	14,658	14,197	96						
47	68	84.254	37.279,662	525.175,451	14,087	13,626	97						
48	69	82.978	36.083,682	487.895,790	13,521	13,060	98						
49	70	81.585	34.867,704	451.812,108	12,958	12,497	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -22 Jahre

Zinsfuß 1,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	22	99.268	99.268,313	3.612.495,970	36,391	35,930	50	72	78.766	33.084,116	394.155,657	11,914	11,453
1	23	98.789	97.089,600	3.513.227,656	36,185	35,724	51	73	76.963	31.770,665	361.071,541	11,365	10,904
2	24	98.723	95.356,320	3.416.138,056	35,825	35,364	52	74	75.004	30.429,659	329.300,876	10,822	10,361
3	25	98.676	93.671,962	3.320.781,736	35,451	34,990	53	75	72.867	29.054,176	298.871,217	10,287	9,825
4	26	98.634	92.021,453	3.227.109,775	35,069	34,608	54	76	70.532	27.639,297	269.817,041	9,762	9,301
5	27	98.593	90.401,330	3.135.088,322	34,680	34,218	55	77	68.025	26.198,473	242.177,744	9,244	8,783
6	28	98.551	88.808,461	3.044.686,992	34,284	33,823	56	78	65.319	24.723,778	215.979,271	8,736	8,274
7	29	98.510	87.244,966	2.955.878,531	33,880	33,419	57	79	62.406	23.214,760	191.255,493	8,239	7,777
8	30	98.469	85.708,756	2.868.633,565	33,470	33,008	58	80	59.264	21.666,616	168.040,733	7,756	7,295
9	31	98.425	84.197,057	2.782.924,810	33,053	32,591	59	81	55.839	20.063,602	146.374,117	7,296	6,834
10	32	98.381	82.711,651	2.698.727,753	32,628	32,167	60	82	52.172	18.423,630	126.310,514	6,856	6,395
11	33	98.337	81.252,551	2.616.016,102	32,196	31,735	61	83	48.251	16.745,949	107.886,885	6,443	5,981
12	34	98.283	79.811,647	2.534.763,551	31,759	31,298	62	84	44.256	15.095,080	91.140,935	6,038	5,577
13	35	98.224	78.391,953	2.454.951,904	31,316	30,855	63	85	40.151	13.459,487	76.045,856	5,650	5,189
14	36	98.161	76.994,261	2.376.559,951	30,867	30,406	64	86	36.135	11.904,922	62.586,369	5,257	4,796
15	37	98.088	75.613,294	2.299.565,691	30,412	29,951	65	87	31.979	10.354,589	50.681,447	4,895	4,433
16	38	98.004	74.249,731	2.223.952,396	29,952	29,491	66	88	27.716	8.819,704	40.326,858	4,572	4,111
17	39	97.898	72.893,733	2.149.702,665	29,491	29,030	67	89	23.610	7.383,892	31.507,154	4,267	3,806
18	40	97.770	71.546,420	2.076.808,931	29,027	28,566	68	90	19.679	6.048,841	24.123,262	3,988	3,527
19	41	97.611	70.201,430	2.005.262,512	28,564	28,103	69	91	16.073	4.855,495	18.074,421	3,722	3,261
20	42	97.436	68.870,321	1.935.061,082	28,097	27,636	70	92	12.725	3.777,857	13.218,925	3,499	3,038
21	43	97.253	67.558,294	1.866.190,761	27,623	27,162	71	93	9.823	2.866,156	9.441,068	3,294	2,833
22	44	97.050	66.258,181	1.798.632,467	27,146	26,685	72	94	7.383	2.117,074	6.574,912	3,106	2,644
23	45	96.842	64.978,931	1.732.374,286	26,661	26,199	73	95	5.391	1.519,329	4.457,838	2,934	2,473
24	46	96.617	63.712,813	1.667.395,356	26,170	25,709	74	96	3.820	1.058,126	2.938,508	2,777	2,316
25	47	96.373	62.459,204	1.603.682,543	25,676	25,214	75	97	2.623	714,136	1.880,382	2,633	2,172
26	48	96.116	61.220,781	1.541.223,339	25,175	24,714	76	98	1.743	466,403	1.166,247	2,501	2,039
27	49	95.843	59.997,353	1.480.002,557	24,668	24,207	77	99	1.120	294,420	699,844	2,377	1,916
28	50	95.544	58.781,477	1.420.005,204	24,157	23,696	78	100	693	179,175	405,424	2,263	1,802
29	51	95.233	57.582,173	1.361.223,727	23,640	23,178	79	101	413	104,857	226,249	2,158	1,696
30	52	94.901	56.394,954	1.303.641,555	23,116	22,655	80	102	236	58,937	121,392	2,060	1,599
31	53	94.545	55.217,086	1.247.246,601	22,588	22,127	81	103	129	31,710	62,455	1,970	1,508
32	54	94.172	54.053,336	1.192.029,515	22,053	21,592	82	104	68	16,308	30,745	1,885	1,424
33	55	93.768	52.895,524	1.137.976,179	21,514	21,052	83	105	34	7,971	14,437	1,811	1,350
34	56	93.331	51.743,481	1.085.080,655	20,970	20,509	84	106					
35	57	92.868	50.601,007	1.033.337,174	20,421	19,960	85	107					
36	58	92.356	49.456,956	982.736,167	19,871	19,409	86	108					
37	59	91.808	48.317,670	933.279,211	19,315	18,854	87	109					
38	60	91.231	47.188,163	884.961,541	18,754	18,293	88	110					
39	61	90.604	46.057,751	837.773,379	18,190	17,728	89	111					
40	62	89.955	44.941,503	791.715,628	17,617	17,155	90	112					
41	63	89.235	43.815,018	746.774,124	17,044	16,583	91						
42	64	88.459	42.687,299	702.959,107	16,468	16,006	92						
43	65	87.619	41.554,471	660.271,808	15,889	15,428	93						
44	66	86.688	40.405,947	618.717,337	15,313	14,851	94						
45	67	85.673	39.245,785	578.311,390	14,736	14,274	95						
46	68	84.541	38.061,246	539.065,606	14,163	13,702	96						
47	69	83.290	36.853,273	501.004,360	13,595	13,133	97						
48	70	81.919	35.623,320	464.151,087	13,029	12,568	98						
49	71	80.425	34.372,111	428.527,767	12,467	12,006	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -23 Jahre

Zinsfuß 1,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	23	99.241	99.241,437	3.581.432,871	36,088	35,627	50	73	77.346	32.487,639	371.141,864	11,424	10,963
1	24	98.763	97.064,269	3.482.191,433	35,875	35,414	51	74	75.395	31.123,422	338.654,225	10,881	10,420
2	25	98.696	95.330,414	3.385.127,164	35,509	35,048	52	75	73.297	29.737,027	307.530,803	10,342	9,880
3	26	98.652	93.648,912	3.289.796,751	35,129	34,668	53	76	70.978	28.300,873	277.793,775	9,816	9,355
4	27	98.606	91.995,691	3.196.147,839	34,742	34,281	54	77	68.490	26.839,185	249.492,902	9,296	8,835
5	28	98.564	90.374,984	3.104.152,148	34,347	33,886	55	78	65.812	25.346,171	222.653,717	8,785	8,323
6	29	98.522	88.782,100	3.013.777,164	33,946	33,485	56	79	62.899	23.807,463	197.307,547	8,288	7,826
7	30	98.481	87.219,428	2.924.995,063	33,536	33,075	57	80	59.781	22.238,205	173.500,084	7,802	7,341
8	31	98.437	85.680,693	2.837.775,635	33,120	32,659	58	81	56.377	20.611,141	151.261,879	7,339	6,878
9	32	98.390	84.166,981	2.752.094,942	32,698	32,237	59	82	52.727	18.945,179	130.650,739	6,896	6,435
10	33	98.346	82.682,240	2.667.927,961	32,267	31,806	60	83	48.801	17.233,019	111.705,560	6,482	6,021
11	34	98.297	81.220,085	2.585.245,721	31,830	31,369	61	84	44.794	15.545,970	94.472,541	6,077	5,616
12	35	98.237	79.774,230	2.504.025,636	31,389	30,928	62	85	40.699	13.882,016	78.926,571	5,686	5,224
13	36	98.174	78.351,819	2.424.251,406	30,941	30,479	63	86	36.665	12.290,872	65.044,556	5,292	4,831
14	37	98.106	76.950,724	2.345.899,587	30,486	30,025	64	87	32.492	10.704,734	52.753,683	4,928	4,467
15	38	98.028	75.566,927	2.268.948,863	30,026	29,564	65	88	28.210	9.134,014	42.048,950	4,604	4,142
16	39	97.936	74.197,793	2.193.381,936	29,561	29,100	66	89	24.070	7.659,675	32.914,935	4,297	3,836
17	40	97.820	72.835,399	2.119.184,144	29,096	28,634	67	90	20.110	6.289,416	25.255,261	4,016	3,554
18	41	97.685	71.484,176	2.046.348,744	28,627	28,165	68	91	16.463	5.060,086	18.965,845	3,748	3,287
19	42	97.515	70.132,037	1.974.864,568	28,159	27,698	69	92	13.061	3.945,576	13.905,759	3,524	3,063
20	43	97.327	68.792,865	1.904.732,532	27,688	27,227	70	93	10.111	3.001,923	9.960,183	3,318	2,857
21	44	97.126	67.470,602	1.835.939,667	27,211	26,750	71	94	7.623	2.224,164	6.958,260	3,128	2,667
22	45	96.915	66.165,949	1.768.469,066	26,728	26,267	72	95	5.588	1.602,328	4.734,096	2,955	2,493
23	46	96.689	64.875,874	1.702.303,117	26,239	25,778	73	96	3.974	1.120,085	3.131,769	2,796	2,335
24	47	96.443	63.598,386	1.637.427,243	25,746	25,285	74	97	2.740	758,851	2.011,683	2,651	2,190
25	48	96.186	62.337,743	1.573.828,858	25,247	24,786	75	98	1.828	497,570	1.252,833	2,518	2,057
26	49	95.912	61.090,997	1.511.491,115	24,742	24,280	76	99	1.179	315,301	755,262	2,395	1,934
27	50	95.613	59.852,956	1.450.400,117	24,233	23,772	77	100	734	192,867	439,961	2,281	1,820
28	51	95.303	58.632,958	1.390.547,161	23,716	23,255	78	101	440	113,587	247,094	2,175	1,714
29	52	94.968	57.422,253	1.331.914,203	23,195	22,734	79	102	253	64,246	133,507	2,078	1,617
30	53	94.615	56.224,460	1.274.491,950	22,668	22,207	80	103	140	34,855	69,261	1,987	1,526
31	54	94.247	55.042,735	1.218.267,490	22,133	21,672	81	104	74	18,078	34,405	1,903	1,442
32	55	93.845	53.865,326	1.163.224,754	21,595	21,134	82	105	37	8,951	16,327	1,824	1,363
33	56	93.413	52.695,217	1.109.359,429	21,052	20,591	83	106					
34	57	92.956	51.535,745	1.056.664,212	20,504	20,042	84	107					
35	58	92.453	50.375,170	1.005.128,467	19,953	19,492	85	108					
36	59	91.912	49.218,789	954.753,297	19,398	18,937	86	109					
37	60	91.341	48.072,033	905.534,508	18,837	18,376	87	110					
38	61	90.729	46.928,427	857.462,474	18,272	17,811	88	111					
39	62	90.094	45.798,568	810.534,047	17,698	17,237	89	112					
40	63	89.389	44.658,691	764.735,479	17,124	16,663	90						
41	64	88.628	43.516,995	720.076,788	16,547	16,086	91						
42	65	87.813	42.375,134	676.559,793	15,966	15,505	92						
43	66	86.903	41.215,080	634.184,659	15,387	14,926	93						
44	67	85.903	40.040,007	592.969,579	14,809	14,348	94						
45	68	84.802	38.846,851	552.929,572	14,234	13,772	95						
46	69	83.574	37.625,917	514.082,720	13,663	13,202	96						
47	70	82.228	36.383,092	476.456,803	13,096	12,634	97						
48	71	80.755	35.116,987	440.073,711	12,532	12,070	98						
49	72	79.121	33.814,861	404.956,724	11,976	11,514	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -24 Jahre

Zinsfuß 1,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	24	99.216	99.215,545	3.549.477,286	35,775	35,314	50	74	75.770	31.825,789	347.973,756	10,934	10,472
1	25	98.736	97.037,898	3.450.261,741	35,556	35,095	51	75	73.679	30.414,999	316.147,967	10,394	9,933
2	26	98.672	95.306,956	3.353.223,842	35,183	34,722	52	76	71.397	28.966,020	285.732,968	9,864	9,403
3	27	98.624	93.622,694	3.257.916,886	34,798	34,337	53	77	68.923	27.481,610	256.766,948	9,343	8,882
4	28	98.578	91.968,880	3.164.294,192	34,406	33,945	54	78	66.262	25.966,039	229.285,338	8,830	8,369
5	29	98.535	90.348,159	3.072.325,312	34,005	33,544	55	79	63.373	24.406,788	203.319,299	8,330	7,869
6	30	98.493	88.756,113	2.981.977,153	33,597	33,136	56	80	60.253	22.805,974	178.912,511	7,845	7,384
7	31	98.449	87.190,871	2.893.221,040	33,183	32,721	57	81	56.869	21.154,885	156.106,537	7,379	6,918
8	32	98.402	85.650,087	2.806.030,168	32,762	32,300	58	82	53.234	19.462,195	134.951,652	6,934	6,473
9	33	98.355	84.137,053	2.720.380,081	32,333	31,872	59	83	49.319	17.720,864	115.489,457	6,517	6,056
10	34	98.307	82.649,202	2.636.243,028	31,897	31,436	60	84	45.304	15.998,137	97.768,593	6,111	5,650
11	35	98.251	81.182,007	2.553.593,826	31,455	30,994	61	85	41.194	14.296,671	81.770,457	5,720	5,258
12	36	98.187	79.733,389	2.472.411,819	31,008	30,547	62	86	37.166	12.676,715	67.473,785	5,323	4,861
13	37	98.118	78.307,515	2.392.678,430	30,555	30,094	63	87	32.969	11.051,775	54.797,070	4,958	4,497
14	38	98.046	76.903,536	2.314.370,915	30,094	29,633	64	88	28.662	9.442,885	43.745,295	4,633	4,171
15	39	97.959	75.514,067	2.237.467,379	29,630	29,169	65	89	24.499	7.932,644	34.302,411	4,324	3,863
16	40	97.857	74.138,415	2.161.953,312	29,161	28,700	66	90	20.503	6.524,321	26.369,766	4,042	3,581
17	41	97.735	72.772,034	2.087.814,897	28,690	28,229	67	91	16.823	5.261,336	19.845,445	3,772	3,311
18	42	97.589	71.413,515	2.015.042,863	28,217	27,755	68	92	13.378	4.111,826	14.584,109	3,547	3,086
19	43	97.405	70.053,161	1.943.629,349	27,745	27,284	69	93	10.379	3.135,194	10.472,283	3,340	2,879
20	44	97.200	68.703,570	1.873.576,188	27,270	26,809	70	94	7.846	2.329,520	7.337,089	3,150	2,688
21	45	96.991	67.376,682	1.804.872,618	26,788	26,327	71	95	5.769	1.683,379	5.007,569	2,975	2,514
22	46	96.761	66.061,009	1.737.495,936	26,301	25,840	72	96	4.119	1.181,274	3.324,190	2,814	2,353
23	47	96.515	64.759,358	1.671.434,927	25,810	25,349	73	97	2.850	803,285	2.142,916	2,668	2,206
24	48	96.256	63.474,709	1.606.675,569	25,312	24,851	74	98	1.909	528,725	1.339,631	2,534	2,072
25	49	95.982	62.205,591	1.543.200,860	24,808	24,347	75	99	1.236	336,371	810,906	2,411	1,950
26	50	95.681	60.943,968	1.480.995,269	24,301	23,840	76	100	772	206,546	474,534	2,297	1,836
27	51	95.371	59.701,730	1.420.051,300	23,786	23,325	77	101	465	122,267	267,988	2,192	1,731
28	52	95.038	58.470,120	1.360.349,570	23,266	22,805	78	102	269	69,595	145,721	2,094	1,633
29	53	94.681	57.248,654	1.301.879,450	22,741	22,280	79	103	150	37,995	76,126	2,004	1,542
30	54	94.316	56.046,929	1.244.630,796	22,207	21,746	80	104	80	19,871	38,130	1,919	1,458
31	55	93.919	54.851,284	1.188.583,867	21,669	21,208	81	105	40	9,922	18,259	1,840	1,379
32	56	93.490	53.661,345	1.133.732,584	21,128	20,666	82	106					
33	57	93.038	52.483,660	1.080.071,239	20,579	20,118	83	107					
34	58	92.541	51.305,737	1.027.587,579	20,029	19,568	84	108					
35	59	92.008	50.132,582	976.281,842	19,474	19,013	85	109					
36	60	91.444	48.968,572	926.149,260	18,913	18,452	86	110					
37	61	90.838	47.807,433	877.180,688	18,348	17,887	87	111					
38	62	90.218	46.664,344	829.373,256	17,773	17,312	88	112					
39	63	89.527	45.510,362	782.708,911	17,198	16,737	89						
40	64	88.781	44.354,930	737.198,549	16,620	16,159	90						
41	65	87.980	43.198,763	692.843,619	16,039	15,577	91						
42	66	87.095	42.029,041	649.644,856	15,457	14,996	92						
43	67	86.116	40.841,812	607.615,815	14,877	14,416	93						
44	68	85.030	39.633,001	566.774,003	14,301	13,839	94						
45	69	83.832	38.402,538	527.141,002	13,727	13,266	95						
46	70	82.508	37.145,879	488.738,464	13,157	12,696	96						
47	71	81.059	35.865,960	451.592,585	12,591	12,130	97						
48	72	79.446	34.547,661	415.726,625	12,033	11,572	98						
49	73	77.695	33.205,209	381.178,965	11,479	11,018	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -25 Jahre

Zinsfuß 1,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	25	99.189	99.188,590	3.516.632,866	35,454	34,993	50	75	74.046	31.101,379	324.737,191	10,441	9,980
1	26	98.712	97.014,021	3.417.444,276	35,226	34,765	51	76	71.769	29.626,414	293.635,812	9,911	9,450
2	27	98.644	95.280,274	3.320.430,255	34,849	34,388	52	77	69.330	28.127,501	264.009,398	9,386	8,925
3	28	98.596	93.595,410	3.225.149,981	34,458	33,997	53	78	66.681	26.587,564	235.881,897	8,872	8,411
4	29	98.548	91.941,582	3.131.554,571	34,060	33,599	54	79	63.806	25.003,683	209.294,333	8,371	7,909
5	30	98.506	90.321,714	3.039.612,990	33,653	33,192	55	80	60.707	23.380,088	184.290,650	7,882	7,421
6	31	98.461	88.727,053	2.949.291,276	33,240	32,779	56	81	57.317	21.694,996	160.910,562	7,417	6,956
7	32	98.414	87.159,726	2.860.564,223	32,820	32,359	57	82	53.699	19.975,629	139.215,566	6,969	6,508
8	33	98.367	85.619,632	2.773.404,497	32,392	31,931	58	83	49.794	18.204,468	119.239,937	6,550	6,089
9	34	98.316	84.103,434	2.687.784,865	31,958	31,497	59	84	45.785	16.451,023	101.035,469	6,142	5,680
10	35	98.261	82.610,455	2.603.681,431	31,518	31,056	60	85	41.663	14.712,502	84.584,445	5,749	5,288
11	36	98.201	81.140,445	2.521.070,977	31,070	30,609	61	86	37.617	13.055,368	69.871,944	5,352	4,891
12	37	98.131	79.688,303	2.439.930,531	30,618	30,157	62	87	33.419	11.398,719	56.816,575	4,984	4,523
13	38	98.058	78.259,495	2.360.242,228	30,159	29,698	63	88	29.082	9.749,017	45.417,856	4,659	4,198
14	39	97.977	76.849,741	2.281.982,733	29,694	29,233	64	89	24.892	8.200,890	35.668,838	4,349	3,888
15	40	97.881	75.453,636	2.205.132,992	29,225	28,764	65	90	20.868	6.756,830	27.467,948	4,065	3,604
16	41	97.772	74.073,916	2.129.679,357	28,751	28,290	66	91	17.151	5.457,843	20.711,119	3,795	3,334
17	42	97.638	72.700,100	2.055.605,441	28,275	27,814	67	92	13.670	4.275,362	15.253,276	3,568	3,107
18	43	97.479	71.333,198	1.982.905,341	27,798	27,337	68	93	10.630	3.267,298	10.977,914	3,360	2,899
19	44	97.279	69.962,231	1.911.572,143	27,323	26,862	69	94	8.054	2.432,939	7.710,616	3,169	2,708
20	45	97.065	68.607,934	1.841.609,912	26,843	26,381	70	95	5.939	1.763,119	5.277,676	2,993	2,532
21	46	96.837	67.269,822	1.773.001,978	26,357	25,895	71	96	4.253	1.241,027	3.514,557	2,832	2,371
22	47	96.588	65.942,365	1.705.732,156	25,867	25,406	72	97	2.954	847,167	2.273,531	2,684	2,222
23	48	96.327	64.633,424	1.639.789,792	25,371	24,909	73	98	1.986	559,685	1.426,363	2,549	2,087
24	49	96.052	63.340,147	1.575.156,368	24,868	24,407	74	99	1.290	357,433	866,678	2,425	1,964
25	50	95.751	62.055,879	1.511.816,221	24,362	23,901	75	100	809	220,348	509,245	2,311	1,850
26	51	95.439	60.789,986	1.449.760,341	23,849	23,387	76	101	489	130,939	288,897	2,206	1,745
27	52	95.106	59.535,924	1.388.970,356	23,330	22,869	77	102	285	74,914	157,957	2,109	1,647
28	53	94.751	58.293,353	1.329.434,432	22,806	22,345	78	103	159	41,159	83,044	2,018	1,556
29	54	94.382	57.067,889	1.271.141,079	22,274	21,813	79	104	85	21,661	41,885	1,934	1,472
30	55	93.988	55.851,984	1.214.073,190	21,737	21,276	80	105	44	10,906	20,224	1,854	1,393
31	56	93.563	54.643,569	1.158.221,206	21,196	20,735	81	106					
32	57	93.114	53.445,910	1.103.577,637	20,648	20,187	82	107					
33	58	92.623	52.249,421	1.050.131,727	20,098	19,637	83	108					
34	59	92.096	51.058,667	997.882,306	19,544	19,083	84	109					
35	60	91.540	49.877,719	946.823,639	18,983	18,522	85	110					
36	61	90.941	48.699,036	896.945,920	18,418	17,957	86	111					
37	62	90.327	47.538,404	848.246,884	17,843	17,382	87	112					
38	63	89.650	46.370,691	800.708,480	17,268	16,806	88						
39	64	88.918	45.200,808	754.337,789	16,689	16,227	89						
40	65	88.131	44.030,570	709.136,981	16,106	15,644	90						
41	66	87.261	42.845,943	665.106,411	15,523	15,062	91						
42	67	86.307	41.648,401	622.260,468	14,941	14,480	92						
43	68	85.241	40.426,655	580.612,067	14,362	13,901	93						
44	69	84.057	39.179,695	540.185,411	13,787	13,326	94						
45	70	82.762	37.912,591	501.005,716	13,215	12,754	95						
46	71	81.335	36.617,905	463.093,125	12,647	12,185	96						
47	72	79.745	35.284,491	426.475,220	12,087	11,626	97						
48	73	78.013	33.924,797	391.190,728	11,531	11,070	98						
49	74	76.112	32.528,740	357.265,932	10,983	10,522	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 1 Jahr

Zinsfuß 1,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	49	91.859	38.583,426	773.429,334	20,046	19,584
1	0	99.544	97.831,715	3.972.535,872	40,606	40,145	51	50	91.184	37.641,113	734.845,908	19,522	19,061
2	1	99.126	95.745,338	3.874.704,157	40,469	40,008	52	51	90.482	36.709,081	697.204,795	18,993	18,532
3	2	99.070	94.045,973	3.778.958,819	40,182	39,721	53	52	89.702	35.766,521	660.495,714	18,467	18,006
4	3	99.033	92.393,342	3.684.912,846	39,883	39,422	54	53	88.868	34.824,823	624.729,193	17,939	17,478
5	4	99.002	90.776,506	3.592.519,504	39,575	39,114	55	54	87.986	33.886,139	589.904,370	17,408	16,947
6	5	98.976	89.191,502	3.501.742,997	39,261	38,800	56	55	87.024	32.939,072	556.018,231	16,880	16,419
7	6	98.952	87.635,822	3.412.551,496	38,940	38,479	57	56	86.015	31.997,401	523.079,160	16,348	15,886
8	7	98.930	86.110,001	3.324.915,674	38,612	38,151	58	57	84.929	31.049,814	491.081,758	15,816	15,355
9	8	98.910	84.611,562	3.238.805,673	38,279	37,817	59	58	83.744	30.090,074	460.031,945	15,288	14,827
10	9	98.891	83.140,562	3.154.194,111	37,938	37,477	60	59	82.465	29.120,798	429.941,871	14,764	14,303
11	10	98.875	81.697,669	3.071.053,549	37,590	37,129	61	60	81.122	28.153,877	400.821,072	14,237	13,776
12	11	98.853	80.274,199	2.989.355,880	37,239	36,778	62	61	79.706	27.186,840	372.667,196	13,708	13,246
13	12	98.831	78.875,861	2.909.081,681	36,882	36,421	63	62	78.190	26.211,017	345.480,356	13,181	12,720
14	13	98.809	77.502,640	2.830.205,820	36,518	36,056	64	63	76.575	25.228,191	319.269,339	12,655	12,194
15	14	98.782	76.148,239	2.752.703,181	36,149	35,688	65	64	74.854	24.237,008	294.041,148	12,132	11,671
16	15	98.747	74.812,192	2.676.554,941	35,777	35,316	66	65	73.005	23.231,848	269.804,140	11,614	11,152
17	16	98.691	73.484,203	2.601.742,749	35,405	34,944	67	66	71.024	22.212,485	246.572,292	11,101	10,639
18	17	98.620	72.168,455	2.528.258,546	35,033	34,572	68	67	68.873	21.169,368	224.359,807	10,598	10,137
19	18	98.524	70.857,836	2.456.090,091	34,662	34,201	69	68	66.561	20.106,956	203.190,440	10,105	9,644
20	19	98.416	69.563,052	2.385.232,255	34,289	33,828	70	69	64.105	19.032,051	183.083,484	9,620	9,159
21	20	98.314	68.295,722	2.315.669,203	33,907	33,445	71	70	61.483	17.939,462	164.051,432	9,145	8,684
22	21	98.206	67.047,289	2.247.373,482	33,519	33,058	72	71	58.700	16.833,005	146.111,970	8,680	8,219
23	22	98.108	65.828,350	2.180.326,192	33,121	32,660	73	72	55.716	15.702,314	129.278,965	8,233	7,772
24	23	98.009	64.630,711	2.114.497,842	32,717	32,255	74	73	52.589	14.566,279	113.576,651	7,797	7,336
25	24	97.912	63.456,477	2.049.867,131	32,304	31,842	75	74	49.330	13.428,703	99.010,372	7,373	6,912
26	25	97.814	62.302,540	1.986.410,654	31,883	31,422	76	75	45.979	12.301,025	85.581,669	6,957	6,496
27	26	97.720	61.172,151	1.924.108,114	31,454	30,993	77	76	42.552	11.188,553	73.280,643	6,550	6,088
28	27	97.623	60.060,236	1.862.935,963	31,018	30,557	78	77	39.059	10.093,339	62.092,091	6,152	5,691
29	28	97.522	58.966,682	1.802.875,727	30,574	30,113	79	78	35.494	9.014,462	51.998,752	5,768	5,307
30	29	97.425	57.894,563	1.743.909,045	30,122	29,661	80	79	31.903	7.962,961	42.984,290	5,398	4,937
31	30	97.325	56.840,623	1.686.014,482	29,662	29,201	81	80	28.289	6.939,644	35.021,329	5,047	4,585
32	31	97.217	55.800,630	1.629.173,859	29,196	28,735	82	81	24.702	5.955,345	28.081,684	4,715	4,254
33	32	97.102	54.776,412	1.573.373,229	28,724	28,262	83	82	21.136	5.007,902	22.126,340	4,418	3,957
34	33	96.983	53.767,962	1.518.596,817	28,244	27,782	84	83	17.755	4.134,611	17.118,437	4,140	3,679
35	34	96.851	52.771,641	1.464.828,855	27,758	27,297	85	84	14.665	3.356,363	12.983,827	3,868	3,407
36	35	96.705	51.785,456	1.412.057,214	27,267	26,806	86	85	11.920	2.681,037	9.627,464	3,591	3,130
37	36	96.546	50.811,319	1.360.271,758	26,771	26,310	87	86	9.443	2.087,418	6.946,426	3,328	2,867
38	37	96.375	49.848,879	1.309.460,439	26,269	25,807	88	87	7.216	1.567,671	4.859,008	3,100	2,638
39	38	96.183	48.894,018	1.259.611,560	25,762	25,301	89	88	5.312	1.134,162	3.291,337	2,902	2,441
40	39	95.968	47.945,464	1.210.717,543	25,252	24,791	90	89	3.784	793,996	2.157,175	2,717	2,256
41	40	95.726	47.002,054	1.162.772,079	24,739	24,278	91	90	2.598	535,719	1.363,179	2,545	2,083
42	41	95.461	46.065,800	1.115.770,025	24,221	23,760	92	91	1.711	346,759	827,460	2,386	1,925
43	42	95.156	45.129,007	1.069.704,226	23,703	23,242	93	92	1.071	213,260	480,701	2,254	1,793
44	43	94.814	44.193,277	1.024.575,218	23,184	22,723	94	93	640	125,297	267,441	2,134	1,673
45	44	94.436	43.260,446	980.381,942	22,662	22,201	95	94	365	70,151	142,144	2,026	1,565
46	45	94.015	42.326,582	937.121,496	22,140	21,679	96	95	197	37,334	71,993	1,928	1,467
47	46	93.547	41.391,658	894.794,914	21,618	21,157	97	96	101	18,839	34,659	1,840	1,379
48	47	93.029	40.454,508	853.403,257	21,095	20,634	98	97	49	8,991	15,820	1,759	1,298
49	48	92.469	39.519,415	812.948,749	20,571	20,110	99	98	23	4,048	6,829	1,687	1,226
							100	99	10	1,715	2,780	1,621	1,160

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 2 Jahre

Zinsfuß 1,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	48	92,054	38.665,394	781.781,306	20,219	19,758
1							51	49	91,404	37.731,924	743.115,913	19,695	19,233
2	0	99,504	96.110,262	3.884.554,208	40,418	39,956	52	50	90,711	36.802,066	705.383,989	19,167	18,706
3	1	99,106	94.079,667	3.788.443,946	40,268	39,807	53	51	89,952	35.866,130	668.581,923	18,641	18,180
4	2	99,052	92.411,613	3.694.364,279	39,977	39,516	54	52	89,138	34.930,425	632.715,793	18,114	17,652
5	3	99,019	90.792,091	3.601.952,666	39,673	39,211	55	53	88,265	33.993,475	597.785,368	17,585	17,124
6	4	98,989	89.203,023	3.511.160,575	39,361	38,900	56	54	87,328	33.054,042	563.791,893	17,057	16,595
7	5	98,964	87.647,279	3.421.957,552	39,042	38,581	57	55	86,342	32.119,032	530.737,852	16,524	16,063
8	6	98,939	86.117,937	3.334.310,273	38,718	38,257	58	56	85,271	31.174,972	498.618,820	15,994	15,533
9	7	98,918	84.618,931	3.248.192,337	38,386	37,925	59	57	84,119	30.224,970	467.443,848	15,465	15,004
10	8	98,901	83.148,544	3.163.573,406	38,047	37,586	60	58	82,864	29.261,712	437.218,877	14,942	14,480
11	9	98,882	81.702,948	3.080.424,862	37,703	37,242	61	59	81,536	28.297,736	407.957,165	14,417	13,955
12	10	98,861	80.280,950	2.998.721,913	37,353	36,892	62	60	80,147	27.337,311	379.659,429	13,888	13,427
13	11	98,840	78.883,258	2.918.440,963	36,997	36,536	63	61	78,633	26.359,350	352.322,118	13,366	12,905
14	12	98,818	77.509,222	2.839.557,705	36,635	36,174	64	62	77,060	25.387,954	325.962,767	12,839	12,378
15	13	98,791	76.155,618	2.762.048,483	36,268	35,807	65	63	75,367	24.402,993	300.574,813	12,317	11,856
16	14	98,758	74.820,911	2.685.892,865	35,898	35,436	66	64	73,543	23.402,990	276.171,820	11,801	11,340
17	15	98,709	73.497,335	2.611.071,954	35,526	35,065	67	65	71,609	22.395,397	252.768,830	11,287	10,825
18	16	98,641	72.183,742	2.537.574,619	35,154	34,693	68	66	69,502	21.362,842	230.373,433	10,784	10,323
19	17	98,546	70.873,430	2.465.390,878	34,786	34,325	69	67	67,245	20.313,442	209.010,591	10,289	9,828
20	18	98,445	69.583,063	2.394.517,448	34,412	33,951	70	68	64,847	19.252,250	188.697,149	9,801	9,340
21	19	98,341	68.314,659	2.324.934,385	34,033	33,572	71	69	62,277	18.171,295	169.444,899	9,325	8,864
22	20	98,237	67.068,473	2.256.619,726	33,647	33,185	72	70	59,547	17.075,712	151.273,604	8,859	8,398
23	21	98,132	65.844,460	2.189.551,252	33,253	32,792	73	71	56,634	15.961,079	134.197,893	8,408	7,947
24	22	98,035	64.648,214	2.123.706,792	32,850	32,389	74	72	53,555	14.833,718	118.236,814	7,971	7,510
25	23	97,938	63.473,038	2.059.058,578	32,440	31,979	75	73	50,356	13.707,966	103.403,095	7,543	7,082
26	24	97,840	62.319,471	1.995.585,540	32,022	31,561	76	74	47,050	12.587,539	89.695,129	7,126	6,665
27	25	97,744	61.187,207	1.933.266,070	31,596	31,135	77	75	43,685	11.486,366	77.107,590	6,713	6,252
28	26	97,650	60.077,055	1.872.078,863	31,161	30,700	78	76	40,223	10.394,235	65.621,224	6,313	5,852
29	27	97,551	58.983,872	1.812.001,808	30,720	30,259	79	77	36,688	9.317,586	55.226,989	5,927	5,466
30	28	97,454	57.911,752	1.753.017,936	30,271	29,809	80	78	33.131	8.269,444	45.909,403	5,552	5,090
31	29	97,354	56.857,265	1.695.106,183	29,813	29,352	81	79	29,532	7.244,388	37.639,959	5,196	4,735
32	30	97,248	55.818,906	1.638.248,918	29,349	28,888	82	80	25,967	6.260,312	30.395,571	4,855	4,394
33	31	97,137	54.795,985	1.582.430,012	28,879	28,417	83	81	22,383	5.303,542	24.135,259	4,551	4,090
34	32	97,017	53.787,088	1.527.634,026	28,402	27,940	84	82	18,982	4.420,266	18.831,717	4,260	3,799
35	33	96,890	52.792,736	1.473.846,938	27,918	27,456	85	83	15,797	3.615,438	14.411,450	3,986	3,525
36	34	96,750	51.809,746	1.421.054,202	27,428	26,967	86	84	12,961	2.915,317	10.796,012	3,703	3,242
37	35	96,595	50.837,345	1.369.244,457	26,934	26,473	87	85	10,341	2.285,890	7.880,695	3,448	2,986
38	36	96,429	49.877,082	1.318.407,112	26,433	25,972	88	86	8,025	1.743,434	5.594,805	3,209	2,748
39	37	96,242	48.924,019	1.268.530,029	25,929	25,467	89	87	6,022	1.285,719	3.851,372	2,995	2,534
40	38	96,035	47.979,026	1.219.606,011	25,420	24,958	90	88	4,357	914,244	2.565,652	2,806	2,345
41	39	95,802	47.039,698	1.171.626,985	24,907	24,446	91	89	3,050	628,944	1.651,408	2,626	2,164
42	40	95,544	46.105,911	1.124.587,287	24,391	23,930	92	90	2,045	414,517	1.022,464	2,467	2,005
43	41	95,250	45.173,661	1.078.481,376	23,874	23,413	93	91	1,317	262,441	607,947	2,317	1,855
44	42	94,920	44.243,036	1.033.307,716	23,355	22,894	94	92	805	157,684	345,506	2,191	1,730
45	43	94,559	43.316,671	989.064,680	22,833	22,372	95	93	470	90,400	187,822	2,078	1,616
46	44	94,146	42.385,583	945.748,008	22,313	21,852	96	94	261	49,328	97,422	1,975	1,514
47	45	93,696	41.457,409	903.362,426	21,790	21,329	97	95	137	25,554	48,094	1,882	1,421
48	46	93,197	40.527,294	861.905,016	21,267	20,806	98	96	69	12,537	22,540	1,798	1,337
49	47	92,649	39.596,416	821.377,722	20,744	20,283	99	97	32	5,810	10,003	1,722	1,261
							100	98	14	2,537	4,193	1,653	1,191

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 3 Jahre

Zinsfuß 1,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	47	92.234	38.740,731	789.531,858	20,380	19,919
1							51	48	91.598	37.812,083	750.791,127	19,856	19,395
2							52	49	90.930	36.890,852	712.979,044	19,327	18,866
3	0	99.484	94.438,243	3.797.589,286	40,212	39,751	53	50	90.179	35.956,980	676.088,192	18,803	18,341
4	1	99.088	92.444,722	3.703.151,044	40,058	39,597	54	51	89.386	35.027,705	640.131,212	18,275	17,814
5	2	99.039	90.810,045	3.610.706,322	39,761	39,300	55	52	88.533	34.096,556	605.103,507	17,747	17,286
6	3	99.006	89.218,337	3.519.896,277	39,453	38,991	56	53	87.604	33.158,742	571.006,951	17,220	16,759
7	4	98.977	87.658,601	3.430.677,940	39,137	38,676	57	54	86.644	32.231,139	537.848,210	16,687	16,226
8	5	98.952	86.129,196	3.343.019,340	38,814	38,353	58	55	85.595	31.293,476	505.617,070	16,157	15,696
9	6	98.928	84.626,729	3.256.890,144	38,485	38,024	59	56	84.459	30.346,804	474.323,594	15,630	15,169
10	7	98.909	83.155,786	3.172.263,415	38,148	37,687	60	57	83.235	29.392,895	443.976,789	15,105	14,644
11	8	98.891	81.710,792	3.089.107,629	37,805	37,344	61	58	81.931	28.434,667	414.583,894	14,580	14,119
12	9	98.868	80.286,137	3.007.396,837	37,458	36,997	62	59	80.557	27.476,998	386.149,228	14,054	13,592
13	10	98.848	78.889,893	2.927.110,699	37,104	36,643	63	60	79.068	26.505,242	358.672,229	13,532	13,071
14	11	98.827	77.516,492	2.848.220,807	36,743	36,282	64	61	77.496	25.531,630	332.166,987	13,010	12,549
15	12	98.800	76.162,086	2.770.704,315	36,379	35,918	65	62	75.844	24.557,531	306.635,357	12,486	12,025
16	13	98.768	74.828,161	2.694.542,229	36,010	35,549	66	63	74.047	23.563,264	282.077,826	11,971	11,510
17	14	98.720	73.505,900	2.619.714,068	35,640	35,178	67	64	72.136	22.560,377	258.514,563	11,459	10,998
18	15	98.659	72.196,641	2.546.208,168	35,268	34,806	68	65	70.075	21.538,757	235.954,186	10,955	10,494
19	16	98.567	70.888,442	2.474.011,527	34,900	34,439	69	66	67.859	20.499,094	214.415,429	10,460	9,999
20	17	98.466	69.598,376	2.403.123,085	34,528	34,067	70	67	65.513	19.449,959	193.916,336	9,970	9,509
21	18	98.370	68.334,311	2.333.524,709	34,149	33,687	71	68	62.998	18.381,535	174.466,377	9,491	9,030
22	19	98.264	67.087,070	2.265.190,397	33,765	33,304	72	69	60.316	17.296,382	156.084,842	9,024	8,563
23	20	98.163	65.865,264	2.198.103,327	33,373	32,912	73	70	57.450	16.191,213	138.788,460	8,572	8,111
24	21	98.059	64.664,035	2.132.238,062	32,974	32,513	74	71	54.437	15.078,170	122.597,246	8,131	7,670
25	22	97.964	63.490,227	2.067.574,027	32,565	32,104	75	72	51.281	13.959,646	107.519,077	7,702	7,241
26	23	97.866	62.335,734	2.004.083,800	32,150	31,689	76	73	48.028	12.849,310	93.559,430	7,281	6,820
27	24	97.771	61.203,835	1.941.748,066	31,726	31,265	77	74	44.703	11.753,905	80.710,120	6,867	6,405
28	25	97.674	60.091,842	1.880.544,231	31,295	30,833	78	75	41.294	10.670,905	68.956,216	6,462	6,001
29	26	97.578	59.000,390	1.820.452,389	30,855	30,394	79	76	37.782	9.595,356	58.285,310	6,074	5,613
30	27	97.482	57.928,635	1.761.452,000	30,407	29,946	80	77	34.245	8.547,517	48.689,955	5,696	5,235
31	28	97.383	56.874,147	1.703.523,365	29,953	29,491	81	78	30.668	7.523,214	40.142,438	5,336	4,875
32	29	97.277	55.835,250	1.646.649,218	29,491	29,030	82	79	27.107	6.535,223	32.619,224	4,991	4,530
33	30	97.169	54.813,933	1.590.813,968	29,022	28,561	83	80	23.529	5.575,131	26.084,000	4,679	4,217
34	31	97.052	53.806,308	1.536.000,036	28,547	28,086	84	81	20.102	4.681,216	20.508,869	4,381	3,920
35	32	96.924	52.811,515	1.482.193,728	28,066	27,605	85	82	16.889	3.865,225	15.827,654	4,095	3,634
36	33	96.789	51.830,456	1.429.382,214	27,578	27,117	86	83	13.962	3.140,348	11.962,429	3,809	3,348
37	34	96.641	50.861,190	1.377.551,758	27,085	26,623	87	84	11.244	2.485,640	8.822,081	3,549	3,088
38	35	96.479	49.902,630	1.326.690,568	26,586	26,124	88	85	8.788	1.909,199	6.336,441	3,319	2,858
39	36	96.296	48.951,699	1.276.787,938	26,083	25,621	89	86	6.697	1.429,871	4.427,242	3,096	2,635
40	37	96.094	48.008,465	1.227.836,239	25,575	25,114	90	87	4.939	1.036,414	2.997,371	2,892	2,431
41	38	95.869	47.072,626	1.179.827,774	25,064	24,603	91	88	3.511	724,196	1.960,957	2,708	2,247
42	39	95.620	46.142,837	1.132.755,148	24,549	24,088	92	89	2.401	486,651	1.236,762	2,541	2,080
43	40	95.333	45.212,995	1.086.612,311	24,033	23,572	93	90	1.575	313,723	750,111	2,391	1,930
44	41	95.014	44.286,813	1.041.399,315	23,515	23,054	94	91	991	194,049	436,388	2,249	1,788
45	42	94.666	43.365,443	997.112,503	22,993	22,532	95	92	591	113,767	242,339	2,130	1,669
46	43	94.268	42.440,672	953.747,059	22,472	22,011	96	93	336	63,566	128,573	2,023	1,561
47	44	93.826	41.515,199	911.306,388	21,951	21,490	97	94	182	33,763	65,007	1,925	1,464
48	45	93.345	40.591,673	869.791,189	21,428	20,967	98	95	93	17,005	31,244	1,837	1,376
49	46	92.816	39.667,658	829.199,516	20,904	20,442	99	96	45	8,102	14,238	1,757	1,296
							100	97	21	3,642	6,137	1,685	1,224

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 4 Jahre

Zinsfuß 1,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	46	92.399	38.810,434	796.710,933	20,528	20,067
1							51	47	91.776	37.885,757	757.900,499	20,005	19,544
2							52	48	91.123	36.969,224	720.014,742	19,476	19,015
3							53	49	90.397	36.043,727	683.045,518	18,950	18,489
4	0	99.465	92.797,066	3.711.629,243	39,997	39,536	54	50	89.613	35.116,431	647.001,791	18,424	17,963
5	1	99.074	90.842,579	3.618.832,176	39,836	39,375	55	51	88.779	34.191,514	611.885,359	17,896	17,435
6	2	99.025	89.235,980	3.527.989,597	39,536	39,074	56	52	87.870	33.259,292	577.693,846	17,369	16,908
7	3	98.994	87.673,649	3.438.753,617	39,222	38,761	57	53	86.918	32.333,233	544.434,554	16,838	16,377
8	4	98.965	86.140,321	3.351.079,968	38,903	38,441	58	54	85.894	31.402,702	512.101,321	16,308	15,846
9	5	98.940	84.637,793	3.264.939,646	38,575	38,114	59	55	84.780	30.462,160	480.698,619	15,780	15,319
10	6	98.918	83.163,449	3.180.301,853	38,242	37,780	60	56	83.571	29.511,375	450.236,458	15,256	14,795
11	7	98.900	81.717,909	3.097.138,404	37,900	37,439	61	57	82.298	28.562,142	420.725,083	14,730	14,269
12	8	98.877	80.293,845	3.015.420,495	37,555	37,094	62	58	80.947	27.609,958	392.162,941	14,204	13,742
13	9	98.855	78.894,990	2.935.126,650	37,203	36,742	63	59	79.472	26.640,677	364.552,983	13,684	13,223
14	10	98.835	77.523,011	2.856.231,660	36,844	36,382	64	60	77.925	25.672,940	337.912,306	13,162	12,701
15	11	98.809	76.169,229	2.778.708,649	36,481	36,020	65	61	76.273	24.696,507	312.239,366	12,643	12,182
16	12	98.776	74.834,517	2.702.539,420	36,114	35,652	66	62	74.516	23.712,484	287.542,859	12,126	11,665
17	13	98.730	73.513,023	2.627.704,903	35,745	35,284	67	63	72.630	22.714,879	263.830,375	11,615	11,154
18	14	98.670	72.205,055	2.554.191,880	35,374	34,913	68	64	70.591	21.697,426	241.115,496	11,113	10,651
19	15	98.584	70.901,110	2.481.986,826	35,006	34,545	69	65	68.418	20.667,896	219.418,070	10,616	10,155
20	16	98.487	69.613,119	2.411.085,716	34,636	34,174	70	66	66.112	19.627,719	198.750,173	10,126	9,665
21	17	98.391	68.349,350	2.341.472,597	34,257	33,796	71	67	63.645	18.570,302	179.122,454	9,646	9,184
22	18	98.293	67.106,370	2.273.123,248	33,873	33,412	72	68	61.014	17.496,499	160.552,152	9,176	8,715
23	19	98.190	65.883,528	2.206.016,878	33,484	33,022	73	69	58.193	16.400,453	143.055,653	8,723	8,261
24	20	98.090	64.684,466	2.140.133,350	33,086	32,625	74	70	55.222	15.295,574	126.655,200	8,281	7,819
25	21	97.988	63.505,765	2.075.448,884	32,681	32,220	75	71	52.126	14.189,694	111.359,626	7,848	7,387
26	22	97.893	62.352,616	2.011.943,119	32,267	31,806	76	72	48.910	13.085,225	97.169,932	7,426	6,965
27	23	97.796	61.219,807	1.949.590,503	31,846	31,385	77	73	45.632	11.998,339	84.084,707	7,008	6,547
28	24	97.701	60.108,172	1.888.370,696	31,416	30,955	78	74	42.256	10.919,451	72.086,368	6,602	6,140
29	25	97.602	59.014,911	1.828.262,524	30,980	30,518	79	75	38.787	9.850,762	61.166,917	6,209	5,748
30	26	97.510	57.944,857	1.769.247,613	30,533	30,072	80	76	35.266	8.802,329	51.316,156	5,830	5,369
31	27	97.411	56.890,727	1.711.302,756	30,081	29,619	81	77	31.700	7.776,193	42.513,826	5,467	5,006
32	28	97.306	55.851,828	1.654.412,029	29,621	29,160	82	78	28.150	6.786,755	34.737,633	5,118	4,657
33	29	97.197	54.829,982	1.598.560,202	29,155	28,694	83	79	24.563	5.819,954	27.950,878	4,803	4,341
34	30	97.084	53.823,931	1.543.730,220	28,681	28,220	84	80	21.132	4.920,936	22.130,924	4,497	4,036
35	31	96.959	52.830,386	1.489.906,290	28,202	27,740	85	81	17.886	4.093,407	17.209,988	4,204	3,743
36	32	96.823	51.848,892	1.437.075,903	27,717	27,255	86	82	14.926	3.357,311	13.116,581	3,907	3,446
37	33	96.679	50.881,521	1.385.227,011	27,225	26,763	87	83	12.112	2.677,504	9.759,270	3,645	3,184
38	34	96.524	49.926,037	1.334.345,490	26,726	26,265	88	84	9.556	2.076,033	7.081,766	3,411	2,950
39	35	96.346	48.976,773	1.284.419,454	26,225	25,764	89	85	7.333	1.565,823	5.005,733	3,197	2,736
40	36	96.148	48.035,627	1.235.442,681	25,719	25,258	90	86	5.493	1.152,614	3.439,910	2,984	2,523
41	37	95.928	47.101,509	1.187.407,054	25,210	24,748	91	87	3.981	820,970	2.287,296	2,786	2,325
42	38	95.687	46.175,138	1.140.305,545	24,695	24,234	92	88	2.765	560,352	1.466,327	2,617	2,156
43	39	95.409	45.249,206	1.094.130,407	24,180	23,719	93	89	1.849	368,317	905,975	2,460	1,999
44	40	95.097	44.325,375	1.048.881,201	23,663	23,202	94	90	1.185	231,966	537,658	2,318	1,857
45	41	94.759	43.408,352	1.004.555,826	23,142	22,681	95	91	728	140,004	305,692	2,183	1,722
46	42	94.374	42.488,457	961.147,474	22,621	22,160	96	92	423	79,996	165,688	2,071	1,610
47	43	93.948	41.569,157	918.659,016	22,100	21,638	97	93	234	43,509	85,692	1,970	1,508
48	44	93.475	40.648,255	877.089,860	21,578	21,116	98	94	123	22,468	42,183	1,877	1,416
49	45	92.963	39.730,671	836.441,605	21,053	20,592	99	95	61	10,989	19,715	1,794	1,333
							100	96	29	5,078	8,726	1,718	1,257

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 5 Jahre

Zinsfuß 1,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	45	92.546	38.872,085	803.346,776	20,666	20,205
1							51	46	91.942	37.953,922	764.474,691	20,142	19,681
2							52	47	91.301	37.041,257	726.520,770	19,614	19,153
3							53	48	90.589	36.120,300	689.479,513	19,088	18,627
4							54	49	89.829	35.201,151	653.359,213	18,561	18,100
5	0	99.452	91.188,818	3.626.681,387	39,771	39,310	55	50	89.004	34.278,122	618.158,062	18,034	17,572
6	1	99.061	89.267,950	3.535.492,570	39,605	39,144	56	51	88.115	33.351,918	583.879,940	17,507	17,045
7	2	99.014	87.690,987	3.446.224,619	39,300	38,838	57	52	87.182	32.431,279	550.528,023	16,975	16,514
8	3	98.982	86.155,109	3.358.533,632	38,982	38,521	58	53	86.166	31.502,172	518.096,743	16,446	15,985
9	4	98.953	84.648,726	3.272.378,523	38,658	38,197	59	54	85.076	30.568,485	486.594,571	15,918	15,457
10	5	98.931	83.174,322	3.187.729,797	38,326	37,865	60	55	83.888	29.623,555	456.026,086	15,394	14,933
11	6	98.909	81.725,439	3.104.555,475	37,988	37,526	61	56	82.630	28.677,273	426.402,531	14,869	14,408
12	7	98.886	80.300,838	3.022.830,035	37,644	37,183	62	57	81.310	27.733,736	397.725,258	14,341	13,880
13	8	98.864	78.902,564	2.942.529,197	37,293	36,832	63	58	79.856	26.769,590	369.991,522	13,821	13,360
14	9	98.842	77.528,021	2.863.626,633	36,937	36,475	64	59	78.323	25.804,123	343.221,932	13,301	12,840
15	10	98.817	76.175,635	2.786.098,612	36,575	36,113	65	60	76.695	24.833,195	317.417,809	12,782	12,321
16	11	98.786	74.841,535	2.709.922,977	36,209	35,748	66	61	74.938	23.846,677	292.584,614	12,269	11,808
17	12	98.738	73.519,267	2.635.081,442	35,842	35,381	67	62	73.090	22.858,727	268.737,937	11,756	11,295
18	13	98.680	72.212,051	2.561.562,175	35,473	35,012	68	63	71.074	21.846,019	245.879,210	11,255	10,794
19	14	98.596	70.909,373	2.489.350,124	35,106	34,645	69	64	68.922	20.820,150	224.033,191	10,760	10,299
20	15	98.505	69.625,559	2.418.440,751	34,735	34,274	70	65	66.656	19.789,346	203.213,040	10,269	9,808
21	16	98.412	68.363,827	2.348.815,193	34,358	33,896	71	66	64.226	18.740,023	183.423,695	9,788	9,327
22	17	98.314	67.121,138	2.280.451,366	33,975	33,514	72	67	61.641	17.676,178	164.683,672	9,317	8,855
23	18	98.219	65.902,481	2.213.330,228	33,585	33,124	73	68	58.866	16.590,205	147.007,494	8,861	8,400
24	19	98.117	64.702,402	2.147.427,747	33,189	32,728	74	69	55.936	15.493,239	130.417,289	8,418	7,956
25	20	98.019	63.525,830	2.082.725,345	32,785	32,324	75	70	52.878	14.394,287	114.924,050	7,984	7,523
26	21	97.916	62.367,875	2.019.199,515	32,376	31,914	76	71	49.716	13.300,862	100.529,763	7,558	7,097
27	22	97.823	61.236,386	1.956.831,640	31,955	31,494	77	72	46.470	12.218,630	87.228,900	7,139	6,678
28	23	97.726	60.123,859	1.895.595,253	31,528	31,067	78	73	43.134	11.146,532	75.010,270	6,729	6,268
29	24	97.629	59.030,949	1.835.471,395	31,093	30,632	79	74	39.691	10.080,204	63.863,739	6,336	5,874
30	25	97.534	57.959,119	1.776.440,446	30,650	30,189	80	75	36.204	9.036,627	53.783,534	5,952	5,491
31	26	97.438	56.906,658	1.718.481,327	30,198	29,737	81	76	32.645	8.008,012	44.746,907	5,588	5,127
32	27	97.334	55.868,109	1.661.574,669	29,741	29,280	82	77	29.097	7.014,970	36.738,895	5,237	4,776
33	28	97.226	54.846,261	1.605.706,560	29,276	28,815	83	78	25.508	6.043,956	29.723,926	4,918	4,457
34	29	97.112	53.839,690	1.550.860,299	28,805	28,344	84	79	22.060	5.137,031	23.679,970	4,610	4,148
35	30	96.991	52.847,689	1.497.020,609	28,327	27,866	85	80	18.802	4.303,026	18.542,939	4,309	3,848
36	31	96.858	51.867,420	1.444.172,919	27,844	27,382	86	81	15.807	3.555,509	14.239,913	4,005	3,544
37	32	96.714	50.899,620	1.392.305,500	27,354	26,893	87	82	12.949	2.862,490	10.684,404	3,733	3,271
38	33	96.563	49.945,994	1.341.405,880	26,857	26,396	88	83	10.293	2.236,280	7.821,914	3,498	3,037
39	34	96.391	48.999,745	1.291.459,886	26,356	25,895	89	84	7.974	1.702,650	5.585,634	3,281	2,819
40	35	96.197	48.060,232	1.242.460,141	25,852	25,391	90	85	6.015	1.262,204	3.882,983	3,076	2,615
41	36	95.982	47.128,158	1.194.399,909	25,344	24,882	91	86	4.427	913,015	2.620,779	2,870	2,409
42	37	95.746	46.203,470	1.147.271,751	24,831	24,370	92	87	3.134	635,232	1.707,764	2,688	2,227
43	38	95.476	45.280,881	1.101.068,281	24,316	23,855	93	88	2.129	424,097	1.072,533	2,529	2,068
44	39	95.173	44.360,875	1.055.787,400	23,800	23,339	94	89	1.391	272,333	648,436	2,381	1,920
45	40	94.842	43.446,149	1.011.426,525	23,280	22,819	95	90	870	167,361	376,103	2,247	1,786
46	41	94.468	42.530,498	967.980,375	22,760	22,298	96	91	521	98,445	208,743	2,120	1,659
47	42	94.054	41.615,961	925.449,877	22,238	21,777	97	92	295	54,755	110,298	2,014	1,553
48	43	93.596	40.701,086	883.833,916	21,715	21,254	98	93	159	28,954	55,543	1,918	1,457
49	44	93.093	39.786,054	843.132,830	21,192	20,730	99	94	81	14,520	26,589	1,831	1,370
							100	95	39	6,888	12,070	1,752	1,291

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 6 Jahre

Zinsfuß 1,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	44	92.675	38.926,271	809.468,619	20,795	20,334
1							51	45	92.088	38.014,212	770.542,348	20,270	19,809
2							52	46	91.465	37.107,902	732.528,136	19,740	19,279
3							53	47	90.766	36.190,678	695.420,234	19,215	18,754
4							54	48	90.020	35.275,933	659.229,556	18,688	18,227
5							55	49	89.219	34.360,819	623.953,623	18,159	17,698
6	0	99.438	89.608,187	3.542.751,137	39,536	39,075	56	50	88.338	33.436,399	589.592,804	17,633	17,172
7	1	99.049	87.722,404	3.453.142,950	39,364	38,903	57	51	87.425	32.521,600	556.156,405	17,101	16,640
8	2	99.002	86.172,147	3.365.420,546	39,055	38,593	58	52	86.427	31.597,698	523.634,805	16,572	16,111
9	3	98.970	84.663,258	3.279.248,399	38,733	38,272	59	53	85.345	30.665,312	492.037,107	16,045	15,584
10	4	98.944	83.185,066	3.194.585,141	38,403	37,942	60	54	84.181	29.726,953	461.371,795	15,520	15,059
11	5	98.922	81.736,124	3.111.400,075	38,066	37,605	61	55	82.944	28.786,283	431.644,842	14,995	14,534
12	6	98.895	80.308,238	3.029.663,951	37,725	37,264	62	56	81.637	27.845,528	402.858,559	14,468	14,006
13	7	98.873	78.909,437	2.949.355,713	37,376	36,915	63	57	80.214	26.889,600	375.013,031	13,946	13,485
14	8	98.851	77.535,463	2.870.446,276	37,021	36,560	64	58	78.702	25.928,987	348.123,431	13,426	12,965
15	9	98.824	76.180,558	2.792.910,813	36,662	36,201	65	59	77.087	24.960,087	322.194,444	12,908	12,447
16	10	98.794	74.847,829	2.716.730,255	36,297	35,836	66	60	75.352	23.978,662	297.234,357	12,396	11,935
17	11	98.748	73.526,162	2.641.882,426	35,931	35,470	67	61	73.504	22.988,089	273.255,695	11,887	11,426
18	12	98.688	72.218,185	2.568.356,264	35,564	35,103	68	62	71.524	21.984,365	250.267,606	11,384	10,923
19	13	98.605	70.916,244	2.496.138,080	35,198	34,737	69	63	69.394	20.962,735	228.283,241	10,890	10,429
20	14	98.516	69.633,673	2.425.221,836	34,828	34,367	70	64	67.147	19.935,128	207.320,506	10,400	9,939
21	15	98.430	68.376,044	2.355.588,163	34,450	33,989	71	65	64.755	18.894,340	187.385,378	9,918	9,456
22	16	98.335	67.135,355	2.287.212,119	34,069	33,607	72	66	62.204	17.837,726	168.491,038	9,446	8,985
23	17	98.240	65.916,984	2.220.076,764	33,680	33,219	73	67	59.470	16.760,576	150.653,312	8,989	8,527
24	18	98.146	64.721,015	2.154.159,780	33,284	32,823	74	68	56.583	15.672,494	133.892,736	8,543	8,082
25	19	98.046	63.543,445	2.089.438,765	32,882	32,421	75	69	53.561	14.580,305	118.220,241	8,108	7,647
26	20	97.947	62.387,581	2.025.895,320	32,473	32,012	76	70	50.433	13.492,640	103.639,936	7,681	7,220
27	21	97.846	61.251,373	1.963.507,739	32,057	31,595	77	71	47.236	12.419,986	90.147,296	7,258	6,797
28	22	97.753	60.140,141	1.902.256,367	31,630	31,169	78	72	43.926	11.351,183	77.727,309	6,848	6,386
29	23	97.654	59.046,354	1.842.116,226	31,198	30,737	79	73	40.516	10.289,833	66.376,126	6,451	5,989
30	24	97.560	57.974,869	1.783.069,871	30,756	30,295	80	74	37.048	9.247,107	56.086,293	6,065	5,604
31	25	97.462	56.920,664	1.725.095,002	30,307	29,846	81	75	33.514	8.221,166	46.839,186	5,697	5,236
32	26	97.361	55.883,755	1.668.174,338	29,851	29,390	82	76	29.964	7.224,095	38.618,020	5,346	4,885
33	27	97.254	54.862,250	1.612.290,583	29,388	28,927	83	77	26.366	6.247,193	31.393,925	5,025	4,564
34	28	97.141	53.855,675	1.557.428,333	28,919	28,457	84	78	22.909	5.334,748	25.146,732	4,714	4,253
35	29	97.019	52.863,163	1.503.572,658	28,443	27,982	85	79	19.627	4.491,987	19.811,984	4,411	3,949
36	30	96.889	51.884,407	1.450.709,495	27,960	27,499	86	80	16.617	3.737,583	15.319,997	4,099	3,638
37	31	96.748	50.917,808	1.398.825,088	27,472	27,011	87	81	13.714	3.031,476	11.582,414	3,821	3,360
38	32	96.597	49.963,760	1.347.907,280	26,978	26,516	88	82	11.004	2.390,782	8.550,938	3,577	3,115
39	33	96.429	49.019,332	1.297.943,520	26,478	26,017	89	83	8.590	1.834,077	6.160,156	3,359	2,898
40	34	96.242	48.082,774	1.248.924,188	25,974	25,513	90	84	6.540	1.372,501	4.326,079	3,152	2,691
41	35	96.032	47.152,298	1.200.841,414	25,467	25,006	91	85	4.848	999,824	2.953,579	2,954	2,493
42	36	95.800	46.229,611	1.153.689,116	24,956	24,494	92	86	3.485	706,452	1.953,754	2,766	2,304
43	37	95.535	45.308,665	1.107.459,504	24,443	23,981	93	87	2.413	480,769	1.247,302	2,594	2,133
44	38	95.240	44.391,928	1.062.150,839	23,927	23,465	94	88	1.602	313,577	766,534	2,444	1,983
45	39	94.918	43.480,945	1.017.758,911	23,407	22,946	95	89	1.021	196,484	452,957	2,305	1,844
46	40	94.550	42.567,531	974.277,966	22,888	22,427	96	90	622	117,681	256,473	2,179	1,718
47	41	94.147	41.657,138	931.710,435	22,366	21,905	97	91	363	67,382	138,792	2,060	1,599
48	42	93.702	40.746,913	890.053,296	21,843	21,382	98	92	199	36,438	71,409	1,960	1,499
49	43	93.214	39.837,764	849.306,383	21,319	20,858	99	93	104	18,711	34,971	1,869	1,408
							100	94	52	9,100	16,261	1,787	1,326

Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente nach der Sterbetafel 2002/2004

Altersdifferenz zwischen Mann und Frau (x - y) = 7 Jahre

Zinsfuß 1,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	43	92.796	38.976,864	815.109,540	20,913	20,451
1							51	44	92.216	38.067,202	776.132,676	20,388	19,927
2							52	45	91.611	37.166,849	738.065,474	19,858	19,397
3							53	46	90.929	36.255,793	700.898,625	19,332	18,871
4							54	47	90.195	35.344,666	664.642,833	18,805	18,343
5							55	48	89.408	34.433,816	629.298,166	18,276	17,814
6							56	49	88.551	33.517,066	594.864,350	17,748	17,287
7	0	99.427	88.056,750	3.459.849,018	39,291	38,830	57	50	87.646	32.603,978	561.347,285	17,217	16,756
8	1	99.037	86.203,020	3.371.792,268	39,115	38,653	58	51	86.668	31.685,697	528.743,307	16,687	16,226
9	2	98.990	84.680,001	3.285.589,249	38,800	38,339	59	52	85.604	30.758,301	497.057,610	16,160	15,699
10	3	98.961	83.199,347	3.200.909,248	38,473	38,012	60	53	84.448	29.821,114	466.299,309	15,637	15,175
11	4	98.935	81.746,682	3.117.709,902	38,139	37,677	61	54	83.234	28.886,758	436.478,195	15,110	14,649
12	5	98.908	80.318,738	3.035.963,219	37,799	37,338	62	55	81.948	27.951,376	407.591,437	14,582	14,121
13	6	98.882	78.916,708	2.955.644,482	37,453	36,992	63	56	80.538	26.997,990	379.640,061	14,062	13,601
14	7	98.860	77.542,216	2.876.727,773	37,099	36,638	64	57	79.055	26.045,229	352.642,071	13,540	13,078
15	8	98.833	76.187,871	2.799.185,557	36,741	36,279	65	58	77.460	25.080,867	326.596,842	13,022	12,561
16	9	98.800	74.852,666	2.722.997,686	36,378	35,917	66	59	75.737	24.101,187	301.515,975	12,510	12,049
17	10	98.756	73.532,345	2.648.145,020	36,013	35,552	67	60	73.910	23.115,322	277.414,788	12,001	11,540
18	11	98.698	72.224,958	2.574.612,674	35,647	35,186	68	61	71.929	22.108,779	254.299,466	11,502	11,041
19	12	98.614	70.922,267	2.502.387,717	35,284	34,822	69	62	69.834	21.095,487	232.190,688	11,007	10,545
20	13	98.526	69.640,420	2.431.465,450	34,915	34,453	70	63	67.607	20.071,652	211.095,201	10,517	10,056
21	14	98.441	68.384,012	2.361.825,030	34,538	34,076	71	64	65.232	19.033,529	191.023,549	10,036	9,575
22	15	98.353	67.147,352	2.293.441,017	34,155	33,694	72	65	62.716	17.984,614	171.990,020	9,563	9,102
23	16	98.261	65.930,946	2.226.293,665	33,767	33,306	73	66	60.014	16.913,757	154.005,407	9,105	8,644
24	17	98.167	64.735,258	2.160.362,718	33,372	32,911	74	67	57.164	15.833,441	137.091,650	8,658	8,197
25	18	98.075	63.561,725	2.095.627,460	32,970	32,509	75	68	54.181	14.748,998	121.258,209	8,221	7,760
26	19	97.975	62.404,880	2.032.065,735	32,563	32,101	76	69	51.085	13.667,006	106.509,210	7,793	7,332
27	20	97.877	61.270,726	1.969.660,856	32,147	31,686	77	70	47.917	12.599,064	92.842,204	7,369	6,908
28	21	97.776	60.154,859	1.908.390,130	31,725	31,263	78	71	44.650	11.538,245	80.243,140	6,955	6,493
29	22	97.681	59.062,345	1.848.235,271	31,293	30,832	79	72	41.260	10.478,755	68.704,896	6,557	6,095
30	23	97.586	57.989,999	1.789.172,926	30,853	30,392	80	73	37.818	9.439,410	58.226,141	6,168	5,707
31	24	97.489	56.936,133	1.731.182,927	30,406	29,944	81	74	34.294	8.412,653	48.786,731	5,799	5,338
32	25	97.385	55.897,509	1.674.246,794	29,952	29,491	82	75	30.762	7.416,384	40.374,078	5,444	4,983
33	26	97.282	54.877,613	1.618.349,285	29,490	29,029	83	76	27.152	6.433,430	32.957,694	5,123	4,662
34	27	97.169	53.871,375	1.563.471,672	29,022	28,561	84	77	23.679	5.514,137	26.524,264	4,810	4,349
35	28	97.048	52.878,858	1.509.600,297	28,548	28,087	85	78	20.383	4.664,877	21.010,127	4,504	4,043
36	29	96.918	51.899,599	1.456.721,438	28,068	27,607	86	79	17.347	3.901,713	16.345,250	4,189	3,728
37	30	96.780	50.934,485	1.404.821,839	27,581	27,120	87	80	14.416	3.186,715	12.443,537	3,905	3,444
38	31	96.631	49.981,614	1.353.887,355	27,088	26,627	88	81	11.654	2.531,921	9.256,822	3,656	3,195
39	32	96.464	49.036,768	1.303.905,741	26,590	26,129	89	82	9.183	1.960,791	6.724,901	3,430	2,968
40	33	96.281	48.101,995	1.254.868,973	26,088	25,626	90	83	7.045	1.478,443	4.764,110	3,222	2,761
41	34	96.077	47.174,414	1.206.766,978	25,581	25,120	91	84	5.272	1.087,193	3.285,667	3,022	2,561
42	35	95.849	46.253,291	1.159.592,564	25,070	24,609	92	85	3.817	773,621	2.198,475	2,842	2,381
43	36	95.589	45.334,300	1.113.339,273	24,558	24,097	93	86	2.684	534,671	1.424,853	2,665	2,204
44	37	95.298	44.419,167	1.068.004,973	24,044	23,583	94	87	1.816	355,480	890,182	2,504	2,043
45	38	94.984	43.511,382	1.023.585,806	23,525	23,063	95	88	1.176	226,241	534,702	2,363	1,902
46	39	94.626	42.601,624	980.074,424	23,006	22,544	96	89	731	138,160	308,461	2,233	1,771
47	40	94.229	41.693,411	937.472,801	22,485	22,024	97	90	433	80,549	170,301	2,114	1,653
48	41	93.794	40.787,231	895.779,390	21,962	21,501	98	91	245	44,841	89,752	2,002	1,540
49	42	93.319	39.882,619	854.992,159	21,438	20,977	99	92	131	23,547	44,911	1,907	1,446
							100	93	66	11,727	21,365	1,822	1,361

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 8 Jahre

Zinsfuß 1,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	42	92.900	39.020,749	820.298,968	21,022	20,561
1							51	43	92.336	38.116,679	781.278,218	20,497	20,036
2							52	44	91.738	37.218,657	743.161,540	19,967	19,506
3							53	45	91.073	36.313,386	705.942,883	19,440	18,979
4							54	46	90.357	35.408,259	669.629,496	18,912	18,450
5							55	47	89.583	34.500,908	634.221,238	18,383	17,922
6							56	48	88.739	33.588,270	599.720,329	17,855	17,394
7							57	49	87.858	32.682,636	566.132,059	17,322	16,861
8	0	99.415	86.531,574	3.377.983,345	39,038	38,576	58	50	86.888	31.765,958	533.449,423	16,793	16,332
9	1	99.025	84.710,339	3.291.451,771	38,855	38,394	59	51	85.842	30.843,962	501.683,465	16,265	15,804
10	2	98.981	83.215,800	3.206.741,432	38,535	38,074	60	52	84.704	29.911,543	470.839,503	15,741	15,280
11	3	98.952	81.760,716	3.123.525,633	38,203	37,742	61	53	83.497	28.978,258	440.927,961	15,216	14,755
12	4	98.920	80.329,113	3.041.764,917	37,866	37,405	62	54	82.234	28.048,937	411.949,702	14,687	14,226
13	5	98.895	78.927,026	2.961.435,804	37,521	37,060	63	55	80.844	27.100,616	383.900,766	14,166	13,705
14	6	98.869	77.549,362	2.882.508,778	37,170	36,709	64	56	79.374	26.150,215	356.800,150	13,644	13,183
15	7	98.842	76.194,507	2.804.959,416	36,813	36,352	65	57	77.808	25.193,307	330.649,935	13,125	12,663
16	8	98.810	74.859,852	2.728.764,909	36,452	35,990	66	58	76.104	24.217,811	305.456,628	12,613	12,152
17	9	98.762	73.537,097	2.653.905,057	36,089	35,628	67	59	74.288	23.233,435	281.238,817	12,105	11,644
18	10	98.706	72.231,032	2.580.367,960	35,724	35,263	68	60	72.327	22.231,144	258.005,381	11,606	11,144
19	11	98.623	70.928,919	2.508.136,928	35,361	34,900	69	61	70.229	21.214,870	235.774,237	11,114	10,652
20	12	98.534	69.646,335	2.437.208,009	34,994	34,533	70	62	68.035	20.198,761	214.559,366	10,622	10,161
21	13	98.451	68.390,639	2.367.561,674	34,618	34,157	71	63	65.679	19.163,878	194.360,606	10,142	9,681
22	14	98.364	67.155,178	2.299.171,035	34,237	33,775	72	64	63.178	18.117,101	175.196,728	9,670	9,209
23	15	98.279	65.942,728	2.232.015,858	33,848	33,387	73	65	60.508	17.053,035	157.079,627	9,211	8,750
24	16	98.188	64.748,970	2.166.073,130	33,453	32,992	74	66	57.686	15.978,149	140.026,592	8,764	8,302
25	17	98.096	63.575,713	2.101.324,159	33,052	32,591	75	67	54.737	14.900,461	124.048,443	8,325	7,864
26	18	98.003	62.422,832	2.037.748,446	32,644	32,183	76	68	51.676	13.825,132	109.147,982	7,895	7,434
27	19	97.905	61.287,715	1.975.325,614	32,230	31,769	77	69	48.536	12.761,882	95.322,849	7,469	7,008
28	20	97.807	60.173,865	1.914.037,899	31,808	31,347	78	70	45.294	11.704,609	82.560,967	7,054	6,593
29	21	97.705	59.076,799	1.853.864,034	31,381	30,919	79	71	41.940	10.651,439	70.856,359	6,652	6,191
30	22	97.612	58.005,704	1.794.787,235	30,942	30,480	80	72	38.512	9.612,719	60.204,919	6,263	5,802
31	23	97.514	56.950,992	1.736.781,531	30,496	30,035	81	73	35.007	8.587,602	50.592,201	5,891	5,430
32	24	97.412	55.912,699	1.679.830,540	30,044	29,583	82	74	31.478	7.589,125	42.004,598	5,535	5,074
33	25	97.306	54.891,120	1.623.917,840	29,584	29,123	83	75	27.875	6.604,673	34.415,473	5,211	4,750
34	26	97.196	53.886,461	1.569.026,720	29,117	28,656	84	76	24.385	5.678,520	27.810,800	4,898	4,436
35	27	97.076	52.894,274	1.515.140,259	28,645	28,183	85	77	21.068	4.821,740	22.132,280	4,590	4,129
36	28	96.946	51.915,008	1.462.245,985	28,166	27,705	86	78	18.014	4.051,884	17.310,539	4,272	3,811
37	29	96.808	50.949,398	1.410.330,977	27,681	27,220	87	79	15.049	3.326,655	13.258,655	3,986	3,524
38	30	96.663	49.997,984	1.359.381,579	27,189	26,728	88	80	12.251	2.661,578	9.932,000	3,732	3,270
39	31	96.498	49.054,291	1.309.383,595	26,693	26,231	89	81	9.725	2.076,546	7.270,422	3,501	3,040
40	32	96.315	48.119,105	1.260.329,304	26,192	25,731	90	82	7.532	1.580,587	5.193,876	3,286	2,825
41	33	96.115	47.193,272	1.212.210,200	25,686	25,225	91	83	5.678	1.171,112	3.613,290	3,085	2,624
42	34	95.894	46.274,986	1.165.016,928	25,176	24,715	92	84	4.150	841,224	2.442,178	2,903	2,442
43	35	95.638	45.357,521	1.118.741,942	24,665	24,204	93	85	2.939	585,508	1.600,954	2,734	2,273
44	36	95.352	44.444,298	1.073.384,421	24,151	23,690	94	86	2.019	395,335	1.015,446	2,569	2,107
45	37	95.043	43.538,081	1.028.940,123	23,633	23,172	95	87	1.333	256,474	620,111	2,418	1,957
46	38	94.692	42.631,445	985.402,043	23,114	22,653	96	88	841	159,084	363,637	2,286	1,825
47	39	94.305	41.726,803	942.770,598	22,594	22,133	97	89	509	94,566	204,554	2,163	1,702
48	40	93.876	40.822,746	901.043,795	22,072	21,611	98	90	293	53,603	109,988	2,052	1,591
49	41	93.411	39.922,081	860.221,049	21,547	21,086	99	91	161	28,977	56,385	1,946	1,485
							100	92	84	14,758	27,408	1,857	1,396

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 9 Jahre

Zinsfuß 1,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	41	92.992	39.059,359	825.066,950	21,123	20,662
1							51	42	92.440	38.159,596	786.007,591	20,598	20,137
2							52	43	91.857	37.267,031	747.847,995	20,067	19,606
3							53	44	91.200	36.364,005	710.580,965	19,541	19,080
4							54	45	90.501	35.464,506	674.216,959	19,011	18,550
5							55	46	89.744	34.562,983	638.752,454	18,481	18,020
6							56	47	88.912	33.653,715	604.189,471	17,953	17,492
7							57	48	88.044	32.752,068	570.535,756	17,420	16,959
8							58	49	87.097	31.842,594	537.783,688	16,889	16,428
9	0	99.403	85.033,204	3.297.164,394	38,775	38,314	59	50	86.060	30.922,090	505.941,094	16,362	15,901
10	1	99.016	83.245,613	3.212.131,190	38,586	38,125	60	51	84.940	29.994,846	475.019,003	15,837	15,375
11	2	98.971	81.776,885	3.128.885,577	38,261	37,800	61	52	83.750	29.066,131	445.024,157	15,311	14,850
12	3	98.937	80.342,903	3.047.108,692	37,926	37,465	62	53	82.494	28.137,783	415.958,026	14,783	14,322
13	4	98.908	78.937,221	2.966.765,789	37,584	37,123	63	54	81.126	27.195,207	387.820,243	14,261	13,799
14	5	98.882	77.559,501	2.887.828,568	37,234	36,773	64	55	79.676	26.249,619	360.625,036	13,738	13,277
15	6	98.851	76.201,528	2.810.269,067	36,879	36,418	65	56	78.121	25.294,859	334.375,417	13,219	12,758
16	7	98.818	74.866,372	2.734.067,538	36,519	36,058	66	57	76.445	24.326,382	309.080,559	12,706	12,244
17	8	98.772	73.544,157	2.659.201,166	36,158	35,697	67	58	74.648	23.345,860	284.754,177	12,197	11,736
18	9	98.712	72.235,699	2.585.657,010	35,795	35,334	68	59	72.697	22.344,740	261.408,316	11,699	11,238
19	10	98.631	70.934,884	2.513.421,310	35,433	34,972	69	60	70.617	21.332,289	239.063,576	11,207	10,745
20	11	98.543	69.652,867	2.442.486,426	35,067	34,605	70	61	68.420	20.313,070	217.731,287	10,719	10,258
21	12	98.459	68.396,448	2.372.833,559	34,692	34,231	71	62	66.095	19.285,238	197.418,218	10,237	9,776
22	13	98.374	67.161,685	2.304.437,112	34,312	33,851	72	63	63.611	18.241,174	178.132,980	9,765	9,304
23	14	98.290	65.950,413	2.237.275,427	33,924	33,462	73	64	60.954	17.178,660	159.891,806	9,308	8,846
24	15	98.206	64.760,541	2.171.325,014	33,529	33,067	74	65	58.161	16.109,723	142.713,146	8,859	8,398
25	16	98.117	63.589,179	2.106.564,473	33,128	32,667	75	66	55.237	15.036,642	126.603,423	8,420	7,958
26	17	98.024	62.436,569	2.042.975,293	32,721	32,260	76	67	52.206	13.967,108	111.566,781	7,988	7,527
27	18	97.933	61.305,346	1.980.538,724	32,306	31,845	77	68	49.098	12.909,536	97.599,673	7,560	7,099
28	19	97.834	60.190,551	1.919.233,378	31,886	31,425	78	69	45.879	11.855,868	84.690,137	7,143	6,682
29	20	97.735	59.095,465	1.859.042,828	31,458	30,997	79	70	42.545	10.805,017	72.834,270	6,741	6,280
30	21	97.636	58.019,899	1.799.947,363	31,023	30,562	80	71	39.147	9.771,131	62.029,253	6,348	5,887
31	22	97.541	56.966,415	1.741.927,463	30,578	30,117	81	72	35.650	8.745,272	52.258,122	5,976	5,514
32	23	97.437	55.927,291	1.684.961,048	30,128	29,667	82	73	32.133	7.746,949	43.512,850	5,617	5,156
33	24	97.332	54.906,037	1.629.033,757	29,669	29,208	83	74	28.524	6.758,508	35.765,901	5,292	4,831
34	25	97.220	53.899,724	1.574.127,720	29,205	28,744	84	75	25.034	5.829,669	29.007,393	4,976	4,515
35	26	97.104	52.909,086	1.520.227,996	28,733	28,272	85	76	21.696	4.965,483	23.177,724	4,668	4,207
36	27	96.975	51.930,142	1.467.318,910	28,256	27,794	86	77	18.620	4.188,135	18.212,241	4,349	3,887
37	28	96.837	50.964,525	1.415.388,768	27,772	27,311	87	78	15.628	3.454,693	14.024,106	4,059	3,598
38	29	96.691	50.012,623	1.364.424,243	27,282	26,820	88	79	12.789	2.778,457	10.569,413	3,804	3,343
39	30	96.530	49.070,357	1.314.411,620	26,786	26,325	89	80	10.223	2.182,883	7.790,956	3,569	3,108
40	31	96.349	48.136,299	1.265.341,262	26,287	25,825	90	81	7.977	1.673,896	5.608,072	3,350	2,889
41	32	96.149	47.210,058	1.217.204,963	25,783	25,322	91	82	6.071	1.252,023	3.934,176	3,142	2,681
42	33	95.932	46.293,483	1.169.994,904	25,273	24,812	92	83	4.471	906,157	2.682,153	2,960	2,499
43	34	95.683	45.378,795	1.123.701,421	24,763	24,301	93	84	3.196	636,672	1.775,996	2,790	2,328
44	35	95.401	44.467,063	1.078.322,626	24,250	23,789	94	85	2.211	432,924	1.139,325	2,632	2,170
45	36	95.096	43.562,714	1.033.855,562	23,733	23,271	95	86	1.482	285,229	706,401	2,477	2,015
46	37	94.750	42.657,603	990.292,849	23,215	22,754	96	87	954	180,342	421,172	2,335	1,874
47	38	94.371	41.756,012	947.635,246	22,695	22,233	97	88	586	108,888	240,830	2,212	1,751
48	39	93.951	40.855,441	905.879,234	22,173	21,712	98	89	345	62,931	131,943	2,097	1,635
49	40	93.493	39.956,843	865.023,793	21,649	21,188	99	90	193	34,639	69,012	1,992	1,531
							100	91	103	18,162	34,372	1,893	1,431

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 10 Jahre

Zinsfuß 1,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	40	93,073	39.093,369	829.443,028	21,217	20,756
1							51	41	92,531	38.197,353	790.349,659	20,691	20,230
2							52	42	91,961	37.308,991	752.152,305	20,160	19,699
3							53	43	91,319	36.411,268	714.843,314	19,632	19,171
4							54	44	90,627	35.513,942	678.432,047	19,103	18,642
5							55	45	89,886	34.617,887	642.918,105	18,572	18,111
6							56	46	89,072	33.714,265	608.300,218	18,043	17,582
7							57	47	88,216	32.815,883	574.585,953	17,509	17,048
8							58	48	87,282	31.910,242	541.770,070	16,978	16,517
9							59	49	86,267	30.996,691	509.859,828	16,449	15,988
10	0	99,393	83.562,896	3.217.400,593	38,503	38,042	60	50	85,155	30.070,824	478.863,137	15,925	15,463
11	1	99,007	81.806,183	3.133.837,696	38,308	37,847	61	51	83,984	29.147,080	448.792,313	15,398	14,936
12	2	98,957	80.358,791	3.052.031,514	37,980	37,519	62	52	82,744	28.223,107	419.645,234	14,869	14,408
13	3	98,924	78.950,773	2.971.672,722	37,640	37,178	63	53	81,383	27.281,349	391.422,127	14,348	13,886
14	4	98,895	77.569,520	2.892.721,949	37,292	36,831	64	54	79,954	26.341,240	364.140,777	13,824	13,363
15	5	98,864	76.211,491	2.815.152,430	36,939	36,477	65	55	78,418	25.391,011	337.799,537	13,304	12,843
16	6	98,827	74.873,271	2.738.940,939	36,581	36,120	66	56	76,753	24.424,439	312.408,526	12,791	12,330
17	7	98,780	73.550,562	2.664.067,668	36,221	35,760	67	57	74,982	23.450,522	287.984,087	12,280	11,819
18	8	98,722	72.242,634	2.590.517,106	35,859	35,397	68	58	73,049	22.452,865	264.533,565	11,782	11,321
19	9	98,637	70.939,468	2.518.274,471	35,499	35,038	69	59	70,978	21.441,292	242.080,700	11,290	10,829
20	10	98,552	69.658,725	2.447.335,004	35,133	34,672	70	60	68,799	20.425,497	220.639,409	10,802	10,341
21	11	98,468	68.402,862	2.377.676,279	34,760	34,299	71	61	66,469	19.394,377	200.213,912	10,323	9,862
22	12	98,382	67.167,389	2.309.273,417	34,381	33,920	72	62	64,014	18.356,691	180.819,535	9,850	9,389
23	13	98,299	65.956,804	2.242.106,027	33,994	33,532	73	63	61,371	17.296,307	162.462,844	9,393	8,932
24	14	98,217	64.768,088	2.176.149,224	33,599	33,138	74	64	58,590	16.228,398	145.166,538	8,945	8,484
25	15	98,134	63.600,543	2.111.381,135	33,198	32,736	75	65	55,692	15.160,463	128.938,139	8,505	8,044
26	16	98,045	62.449,795	2.047.780,593	32,791	32,330	76	66	52,683	14.094,758	113.777,676	8,072	7,611
27	17	97,954	61.318,837	1.985.330,798	32,377	31,916	77	67	49,602	13.042,109	99.682,918	7,643	7,182
28	18	97,863	60.207,866	1.924.011,961	31,956	31,495	78	68	46,410	11.993,039	86.640,809	7,224	6,763
29	19	97,763	59.111,851	1.863.804,095	31,530	31,069	79	69	43,094	10.944,650	74.647,770	6,820	6,359
30	20	97,667	58.038,231	1.804.692,244	31,095	30,634	80	70	39,711	9.912,016	63.703,120	6,427	5,966
31	21	97,565	56.980,356	1.746.654,013	30,654	30,192	81	71	36,238	8.889,389	53.791,104	6,051	5,590
32	22	97,464	55.942,437	1.689.673,656	30,204	29,743	82	72	32,723	7.889,184	44.901,715	5,692	5,230
33	23	97,357	54.920,366	1.633.731,219	29,747	29,286	83	73	29,117	6.899,058	37.012,531	5,365	4,904
34	24	97,247	53.914,371	1.578.810,853	29,284	28,822	84	74	25,617	5.965,453	30.113,473	5,048	4,587
35	25	97,127	52.922,108	1.524.896,482	28,814	28,353	85	75	22,274	5.097,653	24.148,020	4,737	4,276
36	26	97,002	51.944,685	1.471.974,374	28,337	27,876	86	76	19,175	4.312,989	19.050,367	4,417	3,956
37	27	96,865	50.979,382	1.420.029,689	27,855	27,394	87	77	16,154	3.570,862	14.737,379	4,127	3,666
38	28	96,720	50.027,472	1.369.050,306	27,366	26,905	88	78	13,281	2.885,396	11.166,516	3,870	3,409
39	29	96,558	49.084,725	1.319.022,834	26,872	26,411	89	79	10,672	2.278,741	8.281,120	3,634	3,173
40	30	96,381	48.152,065	1.269.938,109	26,373	25,912	90	80	8,385	1.759,615	6.002,379	3,411	2,950
41	31	96,184	47.226,928	1.221.786,044	25,871	25,409	91	81	6,429	1.325,936	4.242,764	3,200	2,739
42	32	95,967	46.309,950	1.174.559,116	25,363	24,902	92	82	4,780	968,762	2.916,828	3,011	2,550
43	33	95,721	45.396,935	1.128.249,166	24,853	24,392	93	83	3,443	685,816	1.948,066	2,841	2,379
44	34	95,446	44.487,920	1.082.852,231	24,340	23,879	94	84	2,405	470,754	1.262,250	2,681	2,220
45	35	95,145	43.585,027	1.038.364,311	23,824	23,363	95	85	1,623	312,349	791,496	2,534	2,073
46	36	94,804	42.681,738	994.779,284	23,307	22,846	96	86	1,061	200,561	479,148	2,389	1,928
47	37	94,428	41.781,633	952.097,546	22,787	22,326	97	87	664	123,438	278,587	2,257	1,796
48	38	94,017	40.884,040	910.315,912	22,266	21,805	98	88	397	72,462	155,148	2,141	1,680
49	39	93,568	39.988,845	869.431,873	21,742	21,281	99	89	227	40,667	82,687	2,033	1,572
							100	90	123	21,711	42,019	1,935	1,474

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 11 Jahre

Zinsfuß 1,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	39	93.148	39.124,679	833.457,210	21,303	20,841
1							51	40	92.612	38.230,613	794.332,530	20,777	20,316
2							52	41	92.052	37.345,907	756.101,917	20,246	19,785
3							53	42	91.422	36.452,265	718.756,010	19,718	19,257
4							54	43	90.745	35.560,099	682.303,746	19,187	18,726
5							55	44	90.012	34.666,143	646.743,646	18,656	18,195
6							56	45	89.213	33.767,821	612.077,504	18,126	17,665
7							57	46	88.374	32.874,926	578.309,682	17,591	17,130
8							58	47	87.452	31.972,417	545.434,756	17,060	16,598
9							59	48	86.451	31.062,541	513.462,340	16,530	16,069
10							60	49	85.360	30.143,370	482.399,798	16,004	15,542
11	0	99.384	82.117,980	3.138.697,555	38,222	37,761	61	50	84.196	29.220,910	452.256,428	15,477	15,016
12	1	98.992	80.387,582	3.056.579,575	38,023	37,562	62	51	82.975	28.301,708	423.035,518	14,947	14,486
13	2	98.944	78.966,385	2.976.191,994	37,689	37,228	63	52	81.630	27.364,077	394.733,810	14,425	13,964
14	3	98.912	77.582,836	2.897.225,608	37,344	36,882	64	53	80.207	26.424,677	367.369,733	13,903	13,441
15	4	98.876	76.221,335	2.819.642,772	36,993	36,532	65	54	78.692	25.479,635	340.945,056	13,381	12,920
16	5	98.840	74.883,060	2.743.421,437	36,636	36,175	66	55	77.045	24.517,283	315.465,421	12,867	12,406
17	6	98.790	73.557,340	2.668.538,377	36,278	35,817	67	56	75.285	23.545,049	290.948,139	12,357	11,896
18	7	98.730	72.248,926	2.594.981,036	35,917	35,456	68	57	73.376	22.553,523	267.403,090	11,856	11,395
19	8	98.647	70.946,278	2.522.732,110	35,558	35,097	69	58	71.322	21.545,045	244.849,566	11,365	10,903
20	9	98.558	69.663,226	2.451.785,832	35,195	34,734	70	59	69.151	20.529,866	223.304,522	10,877	10,416
21	10	98.477	68.408,615	2.382.122,606	34,822	34,361	71	60	66.837	19.501,719	202.774,656	10,398	9,937
22	11	98.391	67.173,689	2.313.713,991	34,444	33,983	72	61	64.376	18.460,575	183.272,936	9,928	9,467
23	12	98.308	65.962,406	2.246.540,302	34,058	33,597	73	62	61.760	17.405,840	164.812,361	9,469	9,008
24	13	98.227	64.774,364	2.180.577,897	33,664	33,203	74	63	58.991	16.339,537	147.406,522	9,021	8,560
25	14	98.146	63.607,955	2.115.803,532	33,263	32,802	75	64	56.102	15.272,145	131.066,985	8,582	8,121
26	15	98.063	62.460,955	2.052.195,578	32,856	32,394	76	65	53.117	14.210,823	115.794,839	8,148	7,687
27	16	97.975	61.331,826	1.989.734,623	32,442	31,981	77	66	50.055	13.161,305	101.584,016	7,718	7,257
28	17	97.884	60.221,116	1.928.402,797	32,022	31,561	78	67	46.887	12.116,200	88.422,711	7,298	6,837
29	18	97.791	59.128,856	1.868.181,682	31,595	31,134	79	68	43.593	11.071,279	76.306,511	6,892	6,431
30	19	97.694	58.054,324	1.809.052,826	31,161	30,700	80	69	40.225	10.040,109	65.235,232	6,497	6,036
31	20	97.595	56.998,359	1.750.998,502	30,720	30,259	81	70	36.760	9.017,561	55.195,122	6,121	5,660
32	21	97.488	55.956,128	1.694.000,142	30,274	29,813	82	71	33.262	8.019,193	46.177,562	5,758	5,297
33	22	97.384	54.935,239	1.638.044,014	29,818	29,357	83	72	29.652	7.025,726	38.158,369	5,431	4,970
34	23	97.272	53.928,442	1.583.108,775	29,356	28,895	84	73	26.150	6.089,511	31.132,643	5,113	4,651
35	24	97.154	52.936,490	1.529.180,333	28,887	28,426	85	74	22.793	5.216,386	25.043,132	4,801	4,340
36	25	97.026	51.957,470	1.476.243,843	28,413	27,951	86	75	19.686	4.427,790	19.826,745	4,478	4,017
37	26	96.892	50.993,658	1.424.286,373	27,931	27,469	87	76	16.635	3.677,314	15.398,955	4,188	3,726
38	27	96.748	50.042,056	1.373.292,715	27,443	26,982	88	77	13.728	2.982,422	11.721,641	3,930	3,469
39	28	96.587	49.099,299	1.323.250,659	26,951	26,489	89	78	11.083	2.366,447	8.739,219	3,693	3,232
40	29	96.409	48.166,164	1.274.151,360	26,453	25,992	90	79	8.753	1.836,886	6.372,772	3,469	3,008
41	30	96.215	47.242,396	1.225.985,196	25,951	25,490	91	80	6.758	1.393,836	4.535,887	3,254	2,793
42	31	96.001	46.326,498	1.178.742,800	25,444	24,983	92	81	5.062	1.025,953	3.142,051	3,063	2,601
43	32	95.755	45.413,083	1.132.416,302	24,936	24,475	93	82	3.681	733,198	2.116,098	2,886	2,425
44	33	95.484	44.505,704	1.087.003,219	24,424	23,963	94	83	2.590	507,091	1.382,900	2,727	2,266
45	34	95.190	43.605,470	1.042.497,516	23,907	23,446	95	84	1.765	339,643	875,809	2,579	2,117
46	35	94.852	42.703,600	998.892,045	23,391	22,930	96	85	1.161	219,631	536,166	2,441	1,980
47	36	94.482	41.805,273	956.188,445	22,872	22,411	97	86	739	137,278	316,536	2,306	1,845
48	37	94.075	40.909,126	914.383,172	22,352	21,890	98	87	450	82,145	179,258	2,182	1,721
49	38	93.633	40.016,837	873.474,046	21,828	21,366	99	88	261	46,826	97,113	2,074	1,613
							100	89	144	25,489	50,287	1,973	1,512

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 12 Jahre

Zinsfuß 1,75%

Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	38	93.213	39.152,067	837.136,593	21,382	20,920
1							51	39	92.686	38.261,232	797.984,527	20,856	20,395
2							52	40	92.132	37.378,426	759.723,295	20,325	19,864
3							53	41	91.512	36.488,333	722.344,869	19,797	19,335
4							54	42	90.847	35.600,138	685.856,536	19,266	18,804
5							55	43	90.129	34.711,198	650.256,398	18,733	18,272
6							56	44	89.338	33.814,892	615.545,200	18,203	17,742
7							57	45	88.515	32.927,149	581.730,308	17,667	17,206
8							58	46	87.610	32.029,942	548.803,159	17,134	16,673
9							59	47	86.619	31.123,065	516.773,217	16,604	16,143
10							60	48	85.542	30.207,408	485.650,153	16,077	15,616
11							61	49	84.399	29.291,406	455.442,744	15,549	15,087
12	0	99.370	80.693,971	3.061.061,797	37,934	37,473	62	50	83.185	28.373,397	426.151,338	15,019	14,558
13	1	98.980	78.994,677	2.980.367,825	37,729	37,268	63	51	81.857	27.440,285	397.777,941	14,496	14,035
14	2	98.931	77.598,179	2.901.373,148	37,390	36,929	64	52	80.450	26.504,806	370.337,656	13,972	13,511
15	3	98.893	76.234,421	2.823.774,970	37,041	36,579	65	53	78.941	25.560,343	343.832,850	13,452	12,991
16	4	98.853	74.892,733	2.747.540,549	36,686	36,225	66	54	77.314	24.602,857	318.272,507	12,936	12,475
17	5	98.802	73.566,957	2.672.647,816	36,329	35,868	67	55	75.571	23.634,550	293.669,650	12,425	11,964
18	6	98.740	72.255,584	2.599.080,859	35,971	35,509	68	56	73.672	22.644,434	270.035,100	11,925	11,464
19	7	98.656	70.952,457	2.526.825,275	35,613	35,152	69	57	71.642	21.641,633	247.390,666	11,431	10,970
20	8	98.567	69.669,914	2.455.872,818	35,250	34,789	70	58	69.485	20.629,209	225.749,033	10,943	10,482
21	9	98.483	68.413,036	2.386.202,904	34,879	34,418	71	59	67.178	19.601,369	205.119,824	10,465	10,003
22	10	98.400	67.179,338	2.317.789,868	34,502	34,040	72	60	64.732	18.562,749	185.518,455	9,994	9,533
23	11	98.317	65.968,592	2.250.610,530	34,116	33,655	73	61	62.110	17.504,343	166.955,706	9,538	9,077
24	12	98.235	64.779,866	2.184.641,938	33,724	33,263	74	62	59.365	16.443,011	149.451,364	9,089	8,628
25	13	98.155	63.614,118	2.119.862,072	33,324	32,863	75	63	56.487	15.376,735	133.008,352	8,650	8,189
26	14	98.074	62.468,234	2.056.247,954	32,917	32,455	76	64	53.508	14.315,510	117.631,617	8,217	7,756
27	15	97.992	61.342,786	1.993.779,720	32,502	32,041	77	65	50.467	13.269,684	103.316,107	7,786	7,325
28	16	97.905	60.233,872	1.932.436,934	32,082	31,621	78	66	47.315	12.226,934	90.046,423	7,365	6,903
29	17	97.812	59.141,868	1.872.203,063	31,656	31,195	79	67	44.041	11.184,974	77.819,489	6,958	6,496
30	18	97.722	58.071,025	1.813.061,194	31,221	30,760	80	68	40.690	10.156,272	66.634,515	6,561	6,100
31	19	97.622	57.014,164	1.754.990,169	30,782	30,320	81	69	37.235	9.134,095	56.478,242	6,183	5,722
32	20	97.518	55.973,808	1.697.976,005	30,335	29,874	82	70	33.742	8.134,818	47.344,147	5,820	5,359
33	21	97.408	54.948,684	1.642.002,198	29,882	29,421	83	71	30.140	7.141,506	39.209,330	5,490	5,029
34	22	97.298	53.943,046	1.587.053,514	29,421	28,960	84	72	26.630	6.201,315	32.067,824	5,171	4,710
35	23	97.179	52.950,305	1.533.110,468	28,954	28,493	85	73	23.267	5.324,866	25.866,509	4,858	4,396
36	24	97.052	51.971,589	1.480.160,163	28,480	28,019	86	74	20.144	4.530,922	20.541,642	4,534	4,072
37	25	96.916	51.006,209	1.428.188,573	28,000	27,539	87	75	17.078	3.775,196	16.010,720	4,241	3,780
38	26	96.775	50.056,070	1.377.182,364	27,513	27,052	88	76	14.137	3.071,332	12.235,525	3,984	3,523
39	27	96.615	49.113,612	1.327.126,294	27,022	26,560	89	77	11.456	2.446,022	9.164,193	3,747	3,285
40	28	96.438	48.180,465	1.278.012,682	26,526	26,064	90	78	9.090	1.907,585	6.718,171	3,522	3,061
41	29	96.243	47.256,229	1.229.832,218	26,025	25,564	91	79	7.055	1.455,044	4.810,586	3,306	2,845
42	30	96.032	46.341,671	1.182.575,989	25,519	25,057	92	80	5.321	1.078,491	3.355,543	3,111	2,650
43	31	95.789	45.429,310	1.136.234,317	25,011	24,550	93	81	3.898	776,482	2.277,052	2,933	2,471
44	32	95.518	44.521,534	1.090.805,007	24,501	24,039	94	82	2.769	542,126	1.500,569	2,768	2,307
45	33	95.228	43.622,901	1.046.283,473	23,985	23,524	95	83	1.901	365,860	958,444	2,620	2,159
46	34	94.897	42.723,630	1.002.660,572	23,469	23,007	96	84	1.263	238,823	592,584	2,481	2,020
47	35	94.530	41.826,686	959.936,942	22,950	22,489	97	85	809	150,330	353,762	2,353	1,892
48	36	94.128	40.932,271	918.110,256	22,430	21,969	98	86	500	91,354	203,431	2,227	1,766
49	37	93.691	40.041,391	877.177,984	21,907	21,446	99	87	296	53,083	112,077	2,111	1,650
							100	88	166	29,349	58,993	2,010	1,549

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 13 Jahre

Zinsfuß 1,75%

Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	37	93.270	39.176,090	840.507,081	21,455	20,993
1							51	38	92.751	38.288,015	801.330,991	20,929	20,468
2							52	39	92.206	37.408,362	763.042,976	20,398	19,936
3							53	40	91.592	36.520,105	725.634,614	19,869	19,408
4							54	41	90.937	35.635,363	689.114,509	19,338	18,877
5							55	42	90.230	34.750,281	653.479,146	18,805	18,344
6							56	43	89.454	33.858,841	618.728,865	18,274	17,813
7							57	44	88.638	32.973,048	584.870,024	17,738	17,277
8							58	45	87.749	32.080,822	551.896,976	17,203	16,742
9							59	46	86.775	31.179,062	519.816,154	16,672	16,211
10							60	47	85.709	30.266,265	488.637,092	16,145	15,683
11							61	48	84.579	29.353,634	458.370,827	15,615	15,154
12							62	49	83.386	28.441,849	429.017,193	15,084	14,623
13	0	99.357	79.295,758	2.984.502,482	37,638	37,176	63	50	82.065	27.509,792	400.575,344	14,561	14,100
14	1	98.967	77.625,980	2.905.206,725	37,426	36,964	64	51	80.674	26.578,622	373.065,552	14,036	13,575
15	2	98.913	76.249,496	2.827.580,745	37,083	36,622	65	52	79.181	25.637,851	346.486,931	13,515	13,053
16	3	98.870	74.905,590	2.751.331,249	36,731	36,269	66	53	77.559	24.680,788	320.849,079	13,000	12,539
17	4	98.815	73.576,460	2.676.425,659	36,376	35,915	67	54	75.834	23.717,043	296.168,291	12,488	12,026
18	5	98.752	72.265,031	2.602.849,199	36,018	35,557	68	55	73.952	22.730,512	272.451,248	11,986	11,525
19	6	98.665	70.958,996	2.530.584,168	35,663	35,201	69	56	71.930	21.728,868	249.720,736	11,493	11,031
20	7	98.576	69.675,982	2.459.625,172	35,301	34,840	70	57	69.797	20.721,691	227.991,868	11,003	10,541
21	8	98.493	68.419,603	2.389.949,190	34,931	34,470	71	58	67.504	19.696,218	207.270,177	10,523	10,062
22	9	98.406	67.183,679	2.321.529,587	34,555	34,094	72	59	65.063	18.657,600	187.573,959	10,053	9,592
23	10	98.325	65.974,140	2.254.345,908	34,170	33,709	73	60	62.453	17.601,224	168.916,358	9,597	9,136
24	11	98.244	64.785,942	2.188.371,767	33,778	33,317	74	61	59.701	16.536,065	151.315,134	9,151	8,689
25	12	98.164	63.619,521	2.123.585,826	33,379	32,918	75	62	56.844	15.474,112	134.779,069	8,710	8,249
26	13	98.084	62.474,287	2.059.966,305	32,973	32,512	76	63	53.875	14.413,549	119.304,956	8,277	7,816
27	14	98.004	61.349,934	1.997.492,018	32,559	32,098	77	64	50.839	13.367,437	104.891,407	7,847	7,386
28	15	97.922	60.244,636	1.936.142,083	32,138	31,677	78	65	47.705	12.327,619	91.523,970	7,424	6,963
29	16	97.833	59.154,396	1.875.897,448	31,712	31,251	79	66	44.443	11.287,198	79.196,352	7,016	6,555
30	17	97.743	58.083,805	1.816.743,052	31,278	30,817	80	67	41.108	10.260,571	67.909,154	6,618	6,157
31	18	97.651	57.030,566	1.758.659,247	30,837	30,376	81	68	37.666	9.239,776	57.648,583	6,239	5,778
32	19	97.545	55.989,328	1.701.628,682	30,392	29,931	82	69	34.178	8.239,944	48.408,807	5,875	5,414
33	20	97.438	54.966,045	1.645.639,354	29,939	29,478	83	70	30.575	7.244,476	40.168,863	5,545	5,084
34	21	97.322	53.956,248	1.590.673,309	29,481	29,020	84	71	27.069	6.303,509	32.924,388	5,223	4,762
35	22	97.205	52.964,645	1.536.717,061	29,014	28,553	85	72	23.694	5.422,632	26.620,878	4,909	4,448
36	23	97.077	51.985,153	1.483.752,416	28,542	28,081	86	73	20.563	4.625,147	21.198,246	4,583	4,122
37	24	96.943	51.020,070	1.431.767,263	28,063	27,602	87	74	17.476	3.863,127	16.573,099	4,290	3,829
38	25	96.799	50.068,390	1.380.747,193	27,577	27,116	88	75	14.513	3.153,083	12.709,972	4,031	3,570
39	26	96.642	49.127,365	1.330.678,803	27,086	26,625	89	76	11.797	2.518,941	9.556,889	3,794	3,333
40	27	96.466	48.194,510	1.281.551,438	26,591	26,130	90	77	9.396	1.971,730	7.037,948	3,569	3,108
41	28	96.272	47.270,259	1.233.356,927	26,092	25,630	91	78	7.327	1.511,046	5.066,218	3,353	2,892
42	29	96.060	46.355,240	1.186.086,668	25,587	25,126	92	79	5.555	1.125,851	3.555,171	3,158	2,697
43	30	95.820	45.444,190	1.139.731,428	25,080	24,619	93	80	4.098	816,245	2.429,320	2,976	2,515
44	31	95.552	44.537,444	1.094.287,238	24,570	24,109	94	81	2.933	574,130	1.613,075	2,810	2,348
45	32	95.262	43.638,418	1.049.749,795	24,056	23,594	95	82	2.033	391,136	1.038,946	2,656	2,195
46	33	94.935	42.740,708	1.006.111,377	23,540	23,079	96	83	1.360	257,257	647,809	2,518	2,057
47	34	94.575	41.846,304	963.370,669	23,022	22,560	97	84	880	163,467	390,552	2,389	1,928
48	35	94.176	40.953,238	921.524,364	22,502	22,041	98	85	548	100,040	227,085	2,270	1,809
49	36	93.744	40.064,046	880.571,127	21,979	21,518	99	86	329	59,035	127,045	2,152	1,691
							100	87	189	33,271	68,010	2,044	1,583

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 14 Jahre

Zinsfuß 1,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	36	93.323	39.198,255	843.594,221	21,521	21,060
1							51	37	92.808	38.311,508	804.395,965	20,996	20,535
2							52	38	92.270	37.434,548	766.084,457	20,465	20,003
3							53	39	91.665	36.549,354	728.649,909	19,936	19,475
4							54	40	91.016	35.666,392	692.100,555	19,405	18,944
5							55	41	90.319	34.784,665	656.434,164	18,871	18,410
6							56	42	89.555	33.896,964	621.649,498	18,339	17,878
7							57	43	88.753	33.015,903	587.752,534	17,802	17,341
8							58	44	87.871	32.125,541	554.736,631	17,268	16,807
9							59	45	86.913	31.228,591	522.611,090	16,735	16,274
10							60	46	85.863	30.320,721	491.382,499	16,206	15,745
11							61	47	84.744	29.410,828	461.061,778	15,677	15,215
12							62	48	83.563	28.502,272	431.650,951	15,144	14,683
13							63	49	82.263	27.576,160	403.148,679	14,619	14,158
14	0	99.344	77.921,844	2.909.021,943	37,333	36,871	64	50	80.879	26.645,946	375.572,519	14,095	13,634
15	1	98.948	76.276,814	2.831.100,099	37,116	36,655	65	51	79.401	25.709,252	348.926,573	13,572	13,111
16	2	98.890	74.920,403	2.754.823,285	36,770	36,309	66	52	77.794	24.755,629	323.217,321	13,056	12,595
17	3	98.832	73.589,091	2.679.902,882	36,417	35,956	67	53	76.075	23.792,168	298.461,691	12,545	12,083
18	4	98.765	72.274,366	2.606.313,791	36,061	35,600	68	54	74.210	22.809,850	274.669,523	12,042	11,581
19	5	98.678	70.968,273	2.534.039,425	35,707	35,245	69	55	72.204	21.811,465	251.859,674	11,547	11,086
20	6	98.585	69.682,403	2.463.071,152	35,347	34,886	70	56	70.078	20.805,218	230.048,208	11,057	10,596
21	7	98.501	68.425,563	2.393.388,749	34,978	34,517	71	57	67.806	19.784,518	209.242,990	10,576	10,115
22	8	98.415	67.190,129	2.324.963,187	34,603	34,142	72	58	65.378	18.747,883	189.458,471	10,106	9,644
23	9	98.332	65.978,403	2.257.773,058	34,220	33,759	73	59	62.772	17.691,162	170.710,588	9,649	9,188
24	10	98.252	64.791,390	2.191.794,654	33,828	33,367	74	60	60.031	16.627,588	153.019,426	9,203	8,742
25	11	98.173	63.625,488	2.127.003,264	33,430	32,969	75	61	57.166	15.561,683	136.391,838	8,765	8,303
26	12	98.092	62.479,593	2.063.377,776	33,025	32,564	76	62	54.216	14.504,826	120.830,155	8,330	7,869
27	13	98.013	61.355,879	2.000.898,183	32,611	32,150	77	63	51.187	13.458,983	106.325,329	7,900	7,439
28	14	97.934	60.251,656	1.939.542,304	32,191	31,729	78	64	48.056	12.418,432	92.866,346	7,478	7,017
29	15	97.850	59.164,967	1.879.290,648	31,764	31,302	79	65	44.809	11.380,144	80.447,913	7,069	6,608
30	16	97.764	58.096,108	1.820.125,681	31,330	30,868	80	66	41.484	10.354,346	69.067,770	6,670	6,209
31	17	97.672	57.043,116	1.762.029,573	30,889	30,428	81	67	38.053	9.334,662	58.713,424	6,290	5,829
32	18	97.573	56.005,435	1.704.986,457	30,443	29,982	82	68	34.573	8.335,280	49.378,761	5,924	5,463
33	19	97.465	54.981,286	1.648.981,022	29,992	29,530	83	69	30.970	7.338,096	41.043,482	5,593	5,132
34	20	97.353	53.973,296	1.593.999,736	29,533	29,072	84	70	27.459	6.394,396	33.705,385	5,271	4,810
35	21	97.229	52.977,607	1.540.026,440	29,069	28,608	85	71	24.084	5.511,994	27.310,989	4,955	4,494
36	22	97.104	51.999,231	1.487.048,833	28,598	28,136	86	72	20.940	4.710,065	21.798,995	4,628	4,167
37	23	96.968	51.033,385	1.435.049,602	28,120	27,659	87	73	17.839	3.943,465	17.088,930	4,333	3,872
38	24	96.825	50.081,996	1.384.016,217	27,635	27,174	88	74	14.851	3.226,525	13.145,465	4,074	3,613
39	25	96.666	49.139,457	1.333.934,221	27,146	26,685	89	75	12.111	2.585,990	9.918,941	3,836	3,374
40	26	96.493	48.208,007	1.284.794,764	26,651	26,190	90	76	9.676	2.030,510	7.332,951	3,611	3,150
41	27	96.300	47.284,040	1.236.586,757	26,152	25,691	91	77	7.573	1.561,857	5.302,441	3,395	2,934
42	28	96.089	46.369,003	1.189.302,718	25,649	25,187	92	78	5.768	1.169,183	3.740,584	3,199	2,738
43	29	95.849	45.457,495	1.142.933,715	25,143	24,682	93	79	4.277	852,089	2.571,400	3,018	2,557
44	30	95.583	44.552,031	1.097.476,219	24,634	24,172	94	80	3.083	603,530	1.719,311	2,849	2,388
45	31	95.296	43.654,011	1.052.924,189	24,120	23,659	95	81	2.153	414,227	1.115,781	2,694	2,232
46	32	94.968	42.755,911	1.009.270,177	23,605	23,144	96	82	1.454	275,031	701,554	2,551	2,090
47	33	94.612	41.863,032	966.514,266	23,088	22,626	97	83	947	176,085	426,523	2,422	1,961
48	34	94.220	40.972,446	924.651,234	22,568	22,106	98	84	596	108,782	250,438	2,302	1,841
49	35	93.792	40.084,567	883.678,788	22,045	21,584	99	85	360	64,648	141,656	2,191	1,730
							100	86	210	37,001	77,008	2,081	1,620

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 15 Jahre

Zinsfuß 1,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	35	93.371	39.218,333	846.421,427	21,582	21,121
1							51	36	92.860	38.333,184	807.203,094	21,058	20,596
2							52	37	92.327	37.457,518	768.869,909	20,526	20,065
3							53	38	91.729	36.574,938	731.412,392	19,998	19,536
4							54	39	91.089	35.694,957	694.837,454	19,466	19,005
5							55	40	90.398	34.814,954	659.142,496	18,933	18,472
6							56	41	89.643	33.930,504	624.327,543	18,400	17,939
7							57	42	88.853	33.053,077	590.397,039	17,862	17,401
8							58	43	87.985	32.167,295	557.343,962	17,326	16,865
9							59	44	87.034	31.272,122	525.176,666	16,794	16,333
10							60	45	85.999	30.368,886	493.904,545	16,264	15,802
11							61	46	84.896	29.463,744	463.535,659	15,732	15,271
12							62	47	83.726	28.557,806	434.071,915	15,200	14,739
13							63	48	82.437	27.634,744	405.514,108	14,674	14,213
14							64	49	81.074	26.710,230	377.879,364	14,147	13,686
15	0	99.326	76.567,536	2.834.622,033	37,021	36,560	65	50	79.602	25.774,375	351.169,134	13,625	13,164
16	1	98.925	74.947,245	2.758.054,497	36,800	36,339	66	51	78.011	24.824,573	325.394,760	13,108	12,647
17	2	98.852	73.603,644	2.683.107,252	36,453	35,992	67	52	76.305	23.864,315	300.570,186	12,595	12,134
18	3	98.782	72.286,773	2.609.503,609	36,099	35,638	68	53	74.445	22.882,101	276.705,872	12,093	11,631
19	4	98.690	70.977,440	2.537.216,835	35,747	35,286	69	54	72.456	21.887,596	253.823,771	11,597	11,135
20	5	98.598	69.691,513	2.466.239,395	35,388	34,927	70	55	70.344	20.884,304	231.936,175	11,106	10,645
21	6	98.510	68.431,868	2.396.547,882	35,021	34,560	71	56	68.079	19.864,268	211.051,871	10,625	10,163
22	7	98.424	67.195,981	2.328.116,014	34,647	34,185	72	57	65.671	18.831,932	191.187,603	10,152	9,691
23	8	98.341	65.984,737	2.260.920,033	34,264	33,803	73	58	63.076	17.776,769	172.355,671	9,696	9,234
24	9	98.259	64.795,577	2.194.935,296	33,875	33,414	74	59	60.338	16.712,551	154.578,903	9,249	8,788
25	10	98.181	63.630,839	2.130.139,719	33,477	33,015	75	60	57.482	15.647,813	137.866,352	8,811	8,349
26	11	98.101	62.485,453	2.066.508,880	33,072	32,611	76	61	54.523	14.586,912	122.218,539	8,379	7,917
27	12	98.022	61.361,091	2.004.023,427	32,660	32,198	77	62	51.511	13.544,215	107.631,627	7,947	7,485
28	13	97.943	60.257,495	1.942.662,336	32,239	31,778	78	63	48.386	12.503,479	94.087,412	7,525	7,064
29	14	97.862	59.171,862	1.882.404,842	31,812	31,351	79	64	45.139	11.463,978	81.583,933	7,117	6,655
30	15	97.782	58.106,490	1.823.232,980	31,377	30,916	80	65	41.825	10.439,610	70.119,955	6,717	6,256
31	16	97.693	57.055,199	1.765.126,490	30,937	30,476	81	66	38.401	9.419,975	59.680,345	6,336	5,874
32	17	97.595	56.017,760	1.708.071,291	30,492	30,030	82	67	34.928	8.420,878	50.260,370	5,969	5,507
33	18	97.493	54.997,103	1.652.053,531	30,039	29,578	83	68	31.328	7.422,997	41.839,492	5,636	5,175
34	19	97.380	53.988,262	1.597.056,428	29,582	29,120	84	69	27.814	6.477,032	34.416,495	5,314	4,852
35	20	97.260	52.994,345	1.543.068,167	29,118	28,656	85	70	24.432	5.591,468	27.939,463	4,997	4,536
36	21	97.128	52.011,957	1.490.073,821	28,649	28,187	86	71	21.286	4.787,684	22.347,995	4,668	4,207
37	22	96.994	51.047,206	1.438.061,865	28,171	27,710	87	72	18.167	4.015,867	17.560,311	4,373	3,912
38	23	96.851	50.095,066	1.387.014,659	27,688	27,226	88	73	15.160	3.293,623	13.544,443	4,112	3,651
39	24	96.692	49.152,811	1.336.919,593	27,199	26,738	89	74	12.393	2.646,222	10.250,820	3,874	3,413
40	25	96.517	48.219,872	1.287.766,782	26,706	26,245	90	75	9.934	2.084,557	7.604,598	3,648	3,187
41	26	96.327	47.297,281	1.239.546,910	26,208	25,746	91	76	7.799	1.608,418	5.520,040	3,432	2,971
42	27	96.117	46.382,521	1.192.249,629	25,705	25,244	92	77	5.962	1.208,499	3.911,622	3,237	2,776
43	28	95.877	45.470,992	1.145.867,108	25,200	24,739	93	78	4.442	884,885	2.703,123	3,055	2,594
44	29	95.611	44.565,075	1.100.396,116	24,692	24,231	94	79	3.218	630,033	1.818,238	2,886	2,425
45	30	95.327	43.668,309	1.055.831,041	24,178	23,717	95	80	2.263	435,439	1.188,205	2,729	2,268
46	31	95.002	42.771,189	1.012.162,732	23,665	23,203	96	81	1.540	291,267	752,765	2,584	2,123
47	32	94.646	41.877,923	969.391,543	23,148	22,687	97	82	1.013	188,250	461,498	2,452	1,990
48	33	94.258	40.988,825	927.513,620	22,628	22,167	98	83	642	117,179	273,248	2,332	1,871
49	34	93.836	40.103,368	886.524,795	22,106	21,645	99	84	392	70,297	156,069	2,220	1,759
							100	85	230	40,519	85,772	2,117	1,656

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 16 Jahre

Zinsfuß 1,75%

Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	34	93.414	39.236,728	849.010,618	21,638	21,177
1							51	35	92.908	38.352,819	809.773,890	21,114	20,653
2							52	36	92.379	37.478,710	771.421,070	20,583	20,122
3							53	37	91.786	36.597,380	733.942,360	20,055	19,593
4							54	38	91.153	35.719,944	697.344,980	19,523	19,061
5							55	39	90.470	34.842,837	661.625,036	18,989	18,528
6							56	40	89.721	33.960,049	626.782,199	18,456	17,995
7							57	41	88.941	33.085,782	592.822,150	17,918	17,457
8							58	42	88.085	32.203,514	559.736,368	17,381	16,920
9							59	43	87.147	31.312,766	527.532,855	16,847	16,386
10							60	44	86.119	30.411,219	496.220,089	16,317	15,856
11							61	45	85.031	29.510,548	465.808,870	15,784	15,323
12							62	46	83.876	28.609,188	436.298,322	15,250	14,789
13							63	47	82.598	27.688,589	407.689,134	14,724	14,263
14							64	48	81.246	26.766,974	380.000,545	14,197	13,735
15							65	49	79.794	25.836,556	353.233,571	13,672	13,211
16	0	99.302	75.232,899	2.761.307,348	36,703	36,242	66	50	78.208	24.887,455	327.397,015	13,155	12,694
17	1	98.887	73.630,013	2.686.074,448	36,481	36,019	67	51	76.518	23.930,776	302.509,560	12,641	12,180
18	2	98.802	72.301,068	2.612.444,435	36,133	35,672	68	52	74.671	22.951,488	278.578,784	12,138	11,677
19	3	98.707	70.989,625	2.540.143,367	35,782	35,321	69	53	72.685	21.956,926	255.627,296	11,642	11,181
20	4	98.611	69.700,515	2.469.153,741	35,425	34,964	70	54	70.590	20.957,199	233.670,371	11,150	10,689
21	5	98.523	68.440,815	2.399.453,226	35,059	34,598	71	55	68.338	19.939,777	212.713,172	10,668	10,207
22	6	98.433	67.202,173	2.331.012,411	34,687	34,225	72	56	65.936	18.907,841	192.773,395	10,195	9,734
23	7	98.350	65.990,484	2.263.810,238	34,305	33,844	73	57	63.359	17.856,464	173.865,554	9,737	9,276
24	8	98.268	64.801,797	2.197.819,753	33,916	33,455	74	58	60.630	16.793,422	156.009,090	9,290	8,829
25	9	98.187	63.634,951	2.133.017,956	33,520	33,058	75	59	57.776	15.727,770	139.215,668	8,852	8,390
26	10	98.109	62.490,708	2.069.383,005	33,115	32,654	76	60	54.825	14.667,646	123.487,899	8,419	7,958
27	11	98.031	61.366,846	2.006.892,297	32,703	32,242	77	61	51.803	13.620,865	108.820,253	7,989	7,528
28	12	97.952	60.262,613	1.945.525,452	32,284	31,823	78	62	48.692	12.582,660	95.199,388	7,566	7,105
29	13	97.871	59.177,595	1.885.262,839	31,858	31,397	79	63	45.448	11.542,488	82.616,728	7,158	6,696
30	14	97.793	58.113,261	1.826.085,244	31,423	30,962	80	64	42.133	10.516,515	71.074,240	6,758	6,297
31	15	97.710	57.065,395	1.767.971,982	30,982	30,520	81	65	38.717	9.497,545	60.557,724	6,376	5,915
32	16	97.616	56.029,625	1.710.906,587	30,536	30,075	82	66	35.248	8.497,839	51.060,179	6,009	5,547
33	17	97.515	55.009,206	1.654.876,962	30,084	29,622	83	67	31.650	7.499,227	42.562,340	5,676	5,214
34	18	97.408	54.003,793	1.599.867,756	29,625	29,164	84	68	28.136	6.551,970	35.063,113	5,352	4,890
35	19	97.287	53.009,040	1.545.863,963	29,162	28,701	85	69	24.747	5.663,727	28.511,143	5,034	4,573
36	20	97.158	52.028,390	1.492.854,923	28,693	28,232	86	70	21.592	4.856,716	22.847,416	4,704	4,243
37	21	97.018	51.059,699	1.440.826,533	28,218	27,757	87	71	18.466	4.082,047	17.990,700	4,407	3,946
38	22	96.877	50.108,633	1.389.766,834	27,735	27,274	88	72	15.438	3.354,095	13.908,654	4,147	3,686
39	23	96.717	49.165,638	1.339.658,202	27,248	26,787	89	73	12.651	2.701,253	10.554,559	3,907	3,446
40	24	96.543	48.232,976	1.290.492,563	26,755	26,294	90	74	10.165	2.133,111	7.853,306	3,682	3,220
41	25	96.351	47.308,922	1.242.259,588	26,258	25,797	91	75	8.006	1.651,231	5.720,195	3,464	3,003
42	26	96.144	46.395,510	1.194.950,666	25,756	25,295	92	76	6.140	1.244,526	4.068,965	3,269	2,808
43	27	95.905	45.484,248	1.148.555,156	25,252	24,791	93	77	4.591	914,640	2.824,439	3,088	2,627
44	28	95.640	44.578,307	1.103.070,909	24,745	24,283	94	78	3.342	654,283	1.909,798	2,919	2,458
45	29	95.355	43.681,095	1.058.492,602	24,232	23,771	95	79	2.362	454,561	1.255,516	2,762	2,301
46	30	95.034	42.785,198	1.014.811,507	23,719	23,258	96	80	1.619	306,183	800,955	2,616	2,155
47	31	94.680	41.892,887	972.026,309	23,203	22,741	97	81	1.073	199,363	494,772	2,482	2,021
48	32	94.291	41.003,404	930.133,421	22,684	22,223	98	82	686	125,275	295,409	2,358	1,897
49	33	93.873	40.119,399	889.130,017	22,162	21,701	99	83	422	75,723	170,134	2,247	1,786
							100	84	250	44,060	94,410	2,143	1,682

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 17 Jahre

Zinsfuß 1,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	33	93.452	39.252,413	851.380,841	21,690	21,229
1							51	34	92.951	38.370,808	812.128,428	21,165	20,704
2							52	35	92.427	37.497,908	773.757,620	20,635	20,173
3							53	36	91.837	36.618,087	736.259,712	20,106	19,645
4							54	37	91.209	35.741,861	699.641,626	19,575	19,114
5							55	38	90.534	34.867,227	663.899,765	19,041	18,580
6							56	39	89.793	33.987,247	629.032,537	18,508	18,047
7							57	40	89.019	33.114,591	595.045,290	17,969	17,508
8							58	41	88.172	32.235,378	561.930,699	17,432	16,971
9							59	42	87.245	31.348,022	529.695,321	16,897	16,436
10							60	43	86.231	30.450,744	498.347,299	16,366	15,904
11							61	44	85.149	29.551,684	467.896,555	15,833	15,372
12							62	45	84.010	28.654,634	438.344,870	15,298	14,836
13							63	46	82.747	27.738,406	409.690,236	14,770	14,309
14							64	47	81.404	26.819,128	381.951,830	14,242	13,781
15							65	48	79.964	25.891,444	355.132,702	13,716	13,255
16							66	49	78.397	24.947,496	329.241,257	13,197	12,736
17	0	99.264	73.910,648	2.689.080,504	36,383	35,922	67	50	76.712	23.991,394	304.293,761	12,683	12,222
18	1	98.837	72.326,972	2.615.169,856	36,158	35,696	68	51	74.879	23.015,407	280.302,368	12,179	11,718
19	2	98.727	71.003,664	2.542.842,885	35,813	35,352	69	52	72.906	22.023,507	257.286,960	11,682	11,221
20	3	98.628	69.712,481	2.471.839,221	35,458	34,996	70	53	70.813	21.023,581	235.263,453	11,190	10,729
21	4	98.536	68.449,656	2.402.126,740	35,093	34,632	71	54	68.577	20.009,374	214.239,872	10,707	10,246
22	5	98.446	67.210,959	2.333.677,085	34,722	34,260	72	55	66.186	18.979,715	194.230,497	10,234	9,772
23	6	98.359	65.996,566	2.266.466,125	34,342	33,881	73	56	63.614	17.928,441	175.250,783	9,775	9,314
24	7	98.277	64.807,441	2.200.469,559	33,954	33,493	74	57	60.902	16.868,708	157.322,341	9,326	8,865
25	8	98.197	63.641,060	2.135.662,118	33,558	33,097	75	58	58.056	15.803,875	140.453,633	8,887	8,426
26	9	98.116	62.494,746	2.072.021,058	33,155	32,694	76	59	55.105	14.742,594	124.649,758	8,455	7,994
27	10	98.039	61.372,006	2.009.526,312	32,743	32,282	77	60	52.090	13.696,252	109.907,163	8,025	7,563
28	11	97.961	60.268,265	1.948.154,306	32,325	31,864	78	61	48.967	12.653,868	96.210,911	7,603	7,142
29	12	97.880	59.182,622	1.887.886,041	31,899	31,438	79	62	45.736	11.615,583	83.557,043	7,194	6,732
30	13	97.802	58.118,893	1.828.703,419	31,465	31,004	80	63	42.422	10.588,537	71.941,460	6,794	6,333
31	14	97.722	57.072,045	1.770.584,527	31,024	30,562	81	64	39.002	9.567,511	61.352,923	6,413	5,951
32	15	97.633	56.039,638	1.713.512,482	30,577	30,116	82	65	35.538	8.567,816	51.785,412	6,044	5,583
33	16	97.536	55.020,858	1.657.472,843	30,124	29,663	83	66	31.939	7.567,765	43.217,596	5,711	5,250
34	17	97.429	54.015,677	1.602.451,985	29,666	29,205	84	67	28.425	6.619,255	35.649,831	5,386	4,925
35	18	97.315	53.024,289	1.548.436,308	29,202	28,741	85	68	25.034	5.729,256	29.030,576	5,067	4,606
36	19	97.185	52.042,817	1.495.412,019	28,734	28,273	86	69	21.872	4.919,479	23.301,321	4,737	4,275
37	20	97.049	51.075,831	1.443.369,202	28,259	27,798	87	70	18.732	4.140,903	18.381,841	4,439	3,978
38	21	96.901	50.120,896	1.392.293,371	27,779	27,317	88	71	15.693	3.409,368	14.240,938	4,177	3,716
39	22	96.743	49.178,953	1.342.172,475	27,292	26,830	89	72	12.883	2.750,848	10.831,570	3,938	3,476
40	23	96.568	48.245,563	1.292.993,522	26,800	26,339	90	73	10.376	2.177,471	8.080,721	3,711	3,250
41	24	96.377	47.321,778	1.244.747,959	26,304	25,843	91	74	8.193	1.689,691	5.903,250	3,494	3,032
42	25	96.168	46.406,929	1.197.426,181	25,803	25,342	92	75	6.303	1.277,652	4.213,559	3,298	2,837
43	26	95.932	45.496,985	1.151.019,252	25,299	24,838	93	76	4.728	941,907	2.935,907	3,117	2,656
44	27	95.668	44.591,302	1.105.522,267	24,792	24,331	94	77	3.454	676,284	1.994,000	2,948	2,487
45	28	95.383	43.694,064	1.060.930,965	24,281	23,820	95	78	2.453	472,056	1.317,716	2,791	2,330
46	29	95.061	42.797,725	1.017.236,900	23,768	23,307	96	79	1.690	319,628	845,660	2,646	2,185
47	30	94.711	41.906,608	974.439,175	23,253	22,791	97	80	1.128	209,573	526,032	2,510	2,049
48	31	94.325	41.018,056	932.532,567	22,735	22,273	98	81	726	132,671	316,459	2,385	1,924
49	32	93.906	40.133,670	891.514,511	22,214	21,752	99	82	451	80,955	183,789	2,270	1,809
							100	83	269	47,461	102,833	2,167	1,705

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 18 Jahre

Zinsfuß 1,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	32	93.485	39.266,375	853.550,381	21,737	21,276
1							51	33	92.989	38.386,146	814.284,006	21,213	20,752
2							52	34	92.470	37.515,496	775.897,860	20,682	20,221
3							53	35	91.884	36.636,843	738.382,364	20,154	19,693
4							54	36	91.260	35.762,083	701.745,521	19,623	19,161
5							55	37	90.589	34.888,621	665.983,438	19,089	18,628
6							56	38	89.856	34.011,039	631.094,817	18,556	18,094
7							57	39	89.090	33.141,112	597.083,778	18,016	17,555
8							58	40	88.248	32.263,447	563.942,666	17,479	17,018
9							59	41	87.331	31.379,040	531.679,219	16,944	16,483
10							60	42	86.328	30.485,030	500.300,179	16,411	15,950
11							61	43	85.260	29.590,093	469.815,149	15,877	15,416
12							62	44	84.127	28.694,577	440.225,056	15,342	14,881
13							63	45	82.878	27.782,469	411.530,479	14,813	14,351
14							64	46	81.551	26.867,381	383.748,009	14,283	13,822
15							65	47	80.120	25.941,892	356.880,628	13,757	13,296
16							66	48	78.563	25.000,496	330.938,736	13,237	12,776
17							67	49	76.897	24.049,273	305.938,240	12,721	12,260
18	0	99.214	72.602,639	2.617.949,598	36,059	35,597	68	50	75.069	23.073,706	281.888,967	12,217	11,756
19	1	98.762	71.029,102	2.545.346,958	35,835	35,374	69	51	73.109	22.084,842	258.815,261	11,719	11,258
20	2	98.647	69.726,267	2.474.317,857	35,486	35,025	70	52	71.028	21.087,333	236.730,419	11,226	10,765
21	3	98.553	68.461,407	2.404.591,589	35,123	34,662	71	53	68.794	20.072,755	215.643,086	10,743	10,282
22	4	98.459	67.219,641	2.336.130,183	34,754	34,292	72	54	66.417	19.045,961	195.570,331	10,268	9,807
23	5	98.372	66.005,194	2.268.910,541	34,375	33,914	73	55	63.856	17.996,592	176.524,370	9,809	9,348
24	6	98.286	64.813,414	2.202.905,347	33,988	33,527	74	56	61.147	16.936,704	158.527,778	9,360	8,899
25	7	98.205	63.646,603	2.138.091,934	33,593	33,132	75	57	58.316	15.874,725	141.591,073	8,919	8,458
26	8	98.125	62.500,746	2.074.445,331	33,191	32,730	76	58	55.371	14.813,933	125.716,348	8,486	8,025
27	9	98.046	61.375,972	2.011.944,585	32,781	32,319	77	59	52.356	13.766,237	110.902,415	8,056	7,595
28	10	97.969	60.273,333	1.950.568,613	32,362	31,901	78	60	49.239	12.723,904	97.136,178	7,634	7,173
29	11	97.889	59.188,172	1.890.295,280	31,937	31,476	79	61	45.995	11.681,318	84.412,275	7,226	6,765
30	12	97.811	58.123,829	1.831.107,107	31,504	31,042	80	62	42.690	10.655,591	72.730,956	6,826	6,364
31	13	97.731	57.077,576	1.772.983,279	31,063	30,601	81	63	39.269	9.633,033	62.075,365	6,444	5,983
32	14	97.644	56.046,169	1.715.905,703	30,616	30,155	82	64	35.800	8.630,932	52.442,332	6,076	5,615
33	15	97.553	55.030,690	1.659.859,534	30,162	29,701	83	65	32.202	7.630,083	43.811,400	5,742	5,281
34	16	97.450	54.027,119	1.604.828,844	29,704	29,243	84	66	28.685	6.679,751	36.181,317	5,417	4,955
35	17	97.336	53.035,958	1.550.801,725	29,241	28,779	85	67	25.291	5.788,092	29.501,566	5,097	4,636
36	18	97.213	52.057,788	1.497.765,767	28,771	28,310	86	68	22.125	4.976,397	23.713,475	4,765	4,304
37	19	97.075	51.089,994	1.445.707,979	28,297	27,836	87	69	18.974	4.194,417	18.737,078	4,467	4,006
38	20	96.931	50.136,732	1.394.617,985	27,816	27,355	88	70	15.919	3.458,526	14.542,661	4,205	3,744
39	21	96.767	49.190,989	1.344.481,253	27,332	26,871	89	71	13.096	2.796,181	11.084,135	3,964	3,503
40	22	96.594	48.258,629	1.295.290,265	26,841	26,379	90	72	10.567	2.217,449	8.287,954	3,738	3,276
41	23	96.402	47.334,128	1.247.031,636	26,345	25,884	91	73	8.363	1.724,830	6.070,504	3,519	3,058
42	24	96.194	46.419,540	1.199.697,508	25,845	25,383	92	74	6.450	1.307,411	4.345,675	3,324	2,863
43	25	95.955	45.508,183	1.153.277,968	25,342	24,881	93	75	4.854	966,978	3.038,263	3,142	2,681
44	26	95.694	44.603,790	1.107.769,785	24,836	24,375	94	76	3.557	696,445	2.071,285	2,974	2,513
45	27	95.411	43.706,802	1.063.165,995	24,325	23,864	95	77	2.536	487,930	1.374,840	2,818	2,356
46	28	95.090	42.810,432	1.019.459,194	23,813	23,352	96	78	1.755	331,930	886,911	2,672	2,211
47	29	94.739	41.918,878	976.648,761	23,299	22,837	97	79	1.177	218,776	554,980	2,537	2,076
48	30	94.356	41.031,491	934.729,883	22,781	22,320	98	80	764	139,464	336,204	2,411	1,949
49	31	93.940	40.148,011	893.698,392	22,260	21,799	99	81	478	85,734	196,740	2,295	1,834
							100	82	288	50,740	111,006	2,188	1,727

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 19 Jahre

Zinsfuß 1,75%

Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	31	93.518	39.280,406	855.537,622	21,780	21,319
1							51	32	93.022	38.399,800	816.257,216	21,257	20,796
2							52	33	92.507	37.530,492	777.857,415	20,726	20,265
3							53	34	91.928	36.654,027	740.326,924	20,198	19,736
4							54	35	91.307	35.780,401	703.672,896	19,666	19,205
5							55	36	90.641	34.908,361	667.892,495	19,133	18,672
6							56	37	89.911	34.031,908	632.984,134	18,600	18,139
7							57	38	89.152	33.164,311	598.952,227	18,060	17,599
8							58	39	88.319	32.289,286	565.787,915	17,522	17,061
9							59	40	87.407	31.406,363	533.498,629	16,987	16,526
10							60	41	86.413	30.515,194	502.092,266	16,454	15,993
11							61	42	85.356	29.623,409	471.577,072	15,919	15,458
12							62	43	84.236	28.731,872	441.953,663	15,382	14,921
13							63	44	82.994	27.821,197	413.221,791	14,853	14,392
14							64	45	81.680	26.910,061	385.400,594	14,322	13,861
15							65	46	80.264	25.988,567	358.490,533	13,794	13,333
16							66	47	78.716	25.049,208	332.501,966	13,274	12,813
17							67	48	77.060	24.100,365	307.452,758	12,757	12,296
18							68	49	75.250	23.129,372	283.352,394	12,251	11,790
19	0	99.139	71.299,823	2.547.919,100	35,735	35,274	69	50	73.294	22.140,784	260.223,022	11,753	11,292
20	1	98.683	69.751,248	2.476.619,277	35,506	35,045	70	51	71.226	21.146,060	238.082,238	11,259	10,798
21	2	98.572	68.474,945	2.406.868,029	35,150	34,688	71	52	69.003	20.133,623	216.936,178	10,775	10,314
22	3	98.475	67.231,181	2.338.393,084	34,781	34,320	72	53	66.628	19.106,290	196.802,555	10,300	9,839
23	4	98.384	66.013,720	2.271.161,903	34,404	33,943	73	54	64.079	18.059,407	177.696,264	9,840	9,378
24	5	98.299	64.821,887	2.205.148,183	34,019	33,557	74	55	61.380	17.001,085	159.636,857	9,390	8,929
25	6	98.215	63.652,468	2.140.326,295	33,625	33,164	75	56	58.551	15.938,715	142.635,772	8,949	8,488
26	7	98.134	62.506,189	2.076.673,827	33,223	32,762	76	57	55.620	14.880,345	126.697,057	8,514	8,053
27	8	98.055	61.381,864	2.014.167,638	32,814	32,353	77	58	52.609	13.832,851	111.816,712	8,083	7,622
28	9	97.975	60.277,228	1.952.785,774	32,397	31,936	78	59	49.490	12.788,920	97.983,862	7,662	7,200
29	10	97.897	59.193,150	1.892.508,545	31,972	31,511	79	60	46.250	11.745,971	85.194,942	7,253	6,792
30	11	97.820	58.129,280	1.833.315,395	31,539	31,077	80	61	42.932	10.715,894	73.448,971	6,854	6,393
31	12	97.739	57.082,423	1.775.186,115	31,099	30,637	81	62	39.518	9.694,036	62.733,077	6,471	6,010
32	13	97.654	56.051,600	1.718.103,692	30,652	30,191	82	63	36.045	8.690,040	53.039,041	6,103	5,642
33	14	97.564	55.037,103	1.662.052,092	30,199	29,738	83	64	32.439	7.686,291	44.349,000	5,770	5,309
34	15	97.467	54.036,773	1.607.014,989	29,739	29,278	84	65	28.921	6.734,756	36.662,709	5,444	4,983
35	16	97.357	53.047,192	1.552.978,215	29,275	28,814	85	66	25.522	5.840,991	29.927,953	5,124	4,663
36	17	97.234	52.069,245	1.499.931,023	28,806	28,345	86	67	22.352	5.027,502	24.086,962	4,791	4,330
37	18	97.103	51.104,691	1.447.861,779	28,331	27,870	87	68	19.194	4.242,946	19.059,461	4,492	4,031
38	19	96.958	50.150,634	1.396.757,087	27,851	27,390	88	69	16.125	3.503,221	14.816,515	4,229	3,768
39	20	96.798	49.206,531	1.346.606,454	27,366	26,905	89	70	13.285	2.836,497	11.313,294	3,988	3,527
40	21	96.618	48.270,439	1.297.399,923	26,878	26,417	90	71	10.741	2.253,992	8.476,797	3,761	3,300
41	22	96.428	47.346,947	1.249.129,484	26,382	25,921	91	72	8.517	1.756,498	6.222,805	3,543	3,082
42	23	96.219	46.431,654	1.201.782,537	25,883	25,422	92	73	6.584	1.334,600	4.466,307	3,347	2,885
43	24	95.981	45.520,550	1.155.350,883	25,381	24,920	93	74	4.967	989,501	3.131,707	3,165	2,704
44	25	95.718	44.614,768	1.109.830,333	24,876	24,415	94	75	3.652	714,982	2.142,205	2,996	2,535
45	26	95.438	43.719,041	1.065.215,565	24,365	23,904	95	76	2.611	502,476	1.427,223	2,840	2,379
46	27	95.117	42.822,912	1.021.496,524	23,854	23,393	96	77	1.814	343,092	924,747	2,695	2,234
47	28	94.767	41.931,324	978.673,611	23,340	22,879	97	78	1.222	227,196	581,655	2,560	2,099
48	29	94.384	41.043,505	936.742,287	22,823	22,362	98	79	797	145,589	354,459	2,435	1,973
49	30	93.971	40.161,160	895.698,782	22,303	21,841	99	80	502	90,125	208,871	2,318	1,856
							100	81	305	53,735	118,746	2,210	1,749

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 20 Jahre

Zinsfuß 1,75%

Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	30	93.549	39.293,271	857.358,086	21,819	21,358
1							51	31	93.055	38.413,522	818.064,814	21,296	20,835
2							52	32	92.540	37.543,842	779.651,292	20,766	20,305
3							53	33	91.964	36.668,679	742.107,450	20,238	19,777
4							54	34	91.350	35.797,184	705.438,771	19,707	19,245
5							55	35	90.687	34.926,241	669.641,588	19,173	18,712
6							56	36	89.962	34.051,162	634.715,346	18,640	18,179
7							57	37	89.207	33.184,661	600.664,184	18,101	17,639
8							58	38	88.381	32.311,889	567.479,523	17,563	17,101
9							59	39	87.477	31.431,517	535.167,634	17,026	16,565
10							60	40	86.489	30.541,765	503.736,118	16,493	16,032
11							61	41	85.441	29.652,721	473.194,353	15,958	15,497
12							62	42	84.331	28.764,222	443.541,632	15,420	14,959
13							63	43	83.101	27.857,356	414.777,410	14,889	14,428
14							64	44	81.794	26.947,572	386.920,054	14,358	13,897
15							65	45	80.391	26.029,851	359.972,482	13,829	13,368
16							66	46	78.858	25.094,276	333.942,631	13,308	12,846
17							67	47	77.210	24.147,323	308.848,355	12,790	12,329
18							68	48	75.409	23.178,509	284.701,032	12,283	11,822
19							69	49	73.471	22.194,199	261.522,523	11,783	11,322
20	0	99.059	70.017,098	2.479.000,963	35,406	34,944	70	50	71.406	21.199,624	239.328,324	11,289	10,828
21	1	98.608	68.499,478	2.408.983,865	35,168	34,707	71	51	69.195	20.189,695	218.128,700	10,804	10,343
22	2	98.495	67.244,476	2.340.484,387	34,806	34,344	72	52	66.830	19.164,228	197.939,006	10,329	9,867
23	3	98.401	66.025,053	2.273.239,911	34,430	33,969	73	53	64.282	18.116,611	178.774,778	9,868	9,407
24	4	98.311	64.830,260	2.207.214,858	34,046	33,585	74	54	61.594	17.060,425	160.658,167	9,417	8,956
25	5	98.227	63.660,790	2.142.384,597	33,653	33,192	75	55	58.774	15.999,302	143.597,742	8,975	8,514
26	6	98.143	62.511,950	2.078.723,807	33,253	32,792	76	56	55.844	14.940,326	127.598,440	8,541	8,079
27	7	98.063	61.387,211	2.016.211,858	32,844	32,383	77	57	52.845	13.894,865	112.658,113	8,108	7,647
28	8	97.985	60.283,015	1.954.824,647	32,427	31,966	78	58	49.730	12.850,805	98.763,249	7,685	7,224
29	9	97.903	59.196,975	1.894.541,632	32,004	31,543	79	59	46.486	11.805,990	85.912,444	7,277	6,816
30	10	97.828	58.134,169	1.835.344,657	31,571	31,110	80	60	43.170	10.775,203	74.106,454	6,877	6,416
31	11	97.748	57.087,777	1.777.210,488	31,131	30,670	81	61	39.741	9.748,897	63.331,251	6,496	6,035
32	12	97.662	56.056,360	1.720.122,711	30,686	30,224	82	62	36.273	8.745,072	53.582,354	6,127	5,666
33	13	97.574	55.042,437	1.664.066,351	30,232	29,771	83	63	32.662	7.738,930	44.837,282	5,794	5,333
34	14	97.479	54.043,071	1.609.023,914	29,773	29,312	84	64	29.134	6.784,369	37.098,352	5,468	5,007
35	15	97.374	53.056,672	1.554.980,844	29,308	28,847	85	65	25.732	5.889,090	30.313,983	5,147	4,686
36	16	97.255	52.080,274	1.501.924,172	28,839	28,377	86	66	22.556	5.073,450	24.424,893	4,814	4,353
37	17	97.125	51.115,938	1.449.843,898	28,364	27,903	87	67	19.391	4.286,518	19.351,444	4,514	4,053
38	18	96.986	50.165,061	1.398.727,960	27,883	27,421	88	68	16.311	3.543,753	15.064,926	4,251	3,790
39	19	96.825	49.220,175	1.348.562,899	27,399	26,937	89	69	13.456	2.873,154	11.521,173	4,010	3,549
40	20	96.649	48.285,691	1.299.342,724	26,909	26,448	90	70	10.896	2.286,491	8.648,019	3,782	3,321
41	21	96.452	47.358,534	1.251.057,034	26,417	25,956	91	71	8.657	1.785,444	6.361,528	3,563	3,102
42	22	96.245	46.444,229	1.203.698,500	25,917	25,456	92	72	6.705	1.359,104	4.576,084	3,367	2,906
43	23	96.007	45.532,430	1.157.254,271	25,416	24,955	93	73	5.071	1.010,079	3.216,981	3,185	2,724
44	24	95.744	44.626,892	1.111.721,842	24,911	24,450	94	74	3.737	731,636	2.206,902	3,016	2,555
45	25	95.461	43.729,802	1.067.094,950	24,402	23,941	95	75	2.681	515,850	1.475,266	2,860	2,399
46	26	95.144	42.834,904	1.023.365,148	23,891	23,430	96	76	1.868	353,320	959,416	2,715	2,254
47	27	94.794	41.943,548	980.530,244	23,377	22,916	97	77	1.264	234,836	606,096	2,581	2,120
48	28	94.412	41.055,691	938.586,696	22,861	22,400	98	78	828	151,192	371,260	2,456	1,994
49	29	93.998	40.172,919	897.531,005	22,342	21,880	99	79	524	94,082	220,067	2,339	1,878
							100	80	320	56,487	125,985	2,230	1,769

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 21 Jahre

Zinsfuß 1,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	29	93.576	39.304,776	859.025,617	21,856	21,394
1							51	30	93.085	38.426,103	819.720,841	21,332	20,871
2							52	31	92.573	37.557,257	781.294,738	20,803	20,342
3							53	32	91.997	36.681,722	743.737,480	20,275	19,814
4							54	33	91.386	35.811,493	707.055,758	19,744	19,283
5							55	34	90.729	34.942,623	671.244,265	19,210	18,749
6							56	35	90.008	34.068,604	636.301,642	18,677	18,216
7							57	36	89.258	33.203,436	602.233,038	18,138	17,676
8							58	37	88.435	32.331,715	569.029,602	17,600	17,139
9							59	38	87.539	31.453,519	536.697,887	17,063	16,602
10							60	39	86.558	30.566,226	505.244,368	16,529	16,068
11							61	40	85.515	29.678,540	474.678,142	15,994	15,533
12							62	41	84.414	28.792,684	444.999,602	15,455	14,994
13							63	42	83.195	27.888,722	416.206,918	14,924	14,463
14							64	43	81.900	26.982,596	388.318,197	14,391	13,930
15							65	44	80.503	26.066,135	361.335,600	13,862	13,401
16							66	45	78.983	25.134,139	335.269,465	13,339	12,878
17							67	46	77.349	24.190,769	310.135,326	12,820	12,359
18							68	47	75.556	23.223,671	285.944,557	12,313	11,851
19							69	48	73.627	22.241,349	262.720,887	11,812	11,351
20							70	49	71.579	21.250,769	240.479,537	11,316	10,855
21	0	98.983	68.760,557	2.411.190,748	35,066	34,605	71	50	69.370	20.240,836	219.228,769	10,831	10,370
22	1	98.530	67.268,568	2.342.430,191	34,822	34,361	72	51	67.016	19.217,606	198.987,933	10,354	9,893
23	2	98.421	66.038,110	2.275.161,623	34,452	33,991	73	52	64.477	18.171,547	179.770,333	9,893	9,432
24	3	98.328	64.841,390	2.209.123,513	34,070	33,608	74	53	61.789	17.114,465	161.598,786	9,442	8,981
25	4	98.240	63.669,013	2.144.282,123	33,679	33,217	75	54	58.979	16.055,146	144.484,321	8,999	8,538
26	5	98.156	62.520,122	2.080.613,110	33,279	32,818	76	55	56.056	14.997,118	128.429,176	8,564	8,102
27	6	98.072	61.392,868	2.018.092,988	32,872	32,411	77	56	53.058	13.950,874	113.432,057	8,131	7,670
28	7	97.993	60.288,265	1.956.700,120	32,456	31,995	78	57	49.953	12.908,416	99.481,184	7,707	7,245
29	8	97.913	59.202,658	1.896.411,855	32,033	31,571	79	58	46.711	11.863,118	86.572,768	7,298	6,836
30	9	97.835	58.137,925	1.837.209,197	31,601	31,140	80	59	43.390	10.830,262	74.709,649	6,898	6,437
31	10	97.757	57.092,578	1.779.071,271	31,161	30,700	81	60	39.961	9.802,854	63.879,388	6,516	6,055
32	11	97.671	56.061,618	1.721.978,693	30,716	30,255	82	61	36.478	8.794,562	54.076,533	6,149	5,688
33	12	97.582	55.047,112	1.665.917,075	30,263	29,802	83	62	32.868	7.787,939	45.281,971	5,814	5,353
34	13	97.488	54.048,308	1.610.869,963	29,804	29,343	84	63	29.334	6.830,831	37.494,032	5,489	5,028
35	14	97.386	53.062,855	1.556.821,656	29,339	28,878	85	64	25.922	5.932,473	30.663,201	5,169	4,708
36	15	97.272	52.089,581	1.503.758,801	28,869	28,408	86	65	22.742	5.115,228	24.730,729	4,835	4,374
37	16	97.145	51.126,765	1.451.669,220	28,394	27,932	87	66	19.568	4.325,694	19.615,501	4,535	4,073
38	17	97.007	50.176,101	1.400.542,455	27,913	27,451	88	67	16.479	3.580,145	15.289,807	4,271	3,810
39	18	96.852	49.234,334	1.350.366,355	27,427	26,966	89	68	13.612	2.906,396	11.709,662	4,029	3,568
40	19	96.675	48.299,079	1.301.132,020	26,939	26,478	90	69	11.037	2.316,039	8.803,266	3,801	3,340
41	20	96.482	47.373,497	1.252.832,941	26,446	25,985	91	70	8.782	1.811,187	6.487,227	3,582	3,121
42	21	96.268	46.455,595	1.205.459,444	25,949	25,487	92	71	6.816	1.381,501	4.676,039	3,385	2,924
43	22	96.033	45.544,760	1.159.003,849	25,448	24,986	93	72	5.164	1.028,624	3.294,538	3,203	2,742
44	23	95.769	44.638,538	1.113.459,088	24,944	24,483	94	73	3.815	746,851	2.265,914	3,034	2,573
45	24	95.487	43.741,685	1.068.820,550	24,435	23,974	95	74	2.743	527,865	1.519,063	2,878	2,417
46	25	95.167	42.845,447	1.025.078,865	23,925	23,464	96	75	1.918	362,725	991,198	2,733	2,271
47	26	94.821	41.955,294	982.233,417	23,411	22,950	97	76	1.301	241,837	628,473	2,599	2,138
48	27	94.439	41.067,659	940.278,124	22,896	22,435	98	77	856	156,276	386,637	2,474	2,013
49	28	94.026	40.184,847	899.210,465	22,377	21,916	99	78	544	97,703	230,360	2,358	1,897
							100	79	334	58,968	132,657	2,250	1,788

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 22 Jahre

Zinsfuß 1,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	28	93.604	39.316,446	860.554,237	21,888	21,427
1							51	29	93.113	38.437,354	821.237,791	21,366	20,904
2							52	30	92.603	37.569,558	782.800,436	20,836	20,375
3							53	31	92.030	36.694,830	745.230,878	20,309	19,848
4							54	32	91.419	35.824,231	708.536,048	19,778	19,317
5							55	33	90.766	34.956,591	672.711,817	19,244	18,783
6							56	34	90.050	34.084,583	637.755,226	18,711	18,250
7							57	35	89.303	33.220,443	603.670,642	18,172	17,710
8							58	36	88.485	32.350,008	570.450,199	17,634	17,172
9							59	37	87.592	31.472,818	538.100,191	17,097	16,636
10							60	38	86.619	30.587,622	506.627,373	16,563	16,102
11							61	39	85.583	29.702,310	476.039,750	16,027	15,566
12							62	40	84.488	28.817,754	446.337,440	15,488	15,027
13							63	41	83.277	27.916,317	417.519,686	14,956	14,495
14							64	42	81.993	27.012,977	389.603,369	14,423	13,962
15							65	43	80.608	26.100,013	362.590,392	13,892	13,431
16							66	44	79.093	25.169,175	336.490,379	13,369	12,908
17							67	45	77.472	24.229,197	311.321,204	12,849	12,388
18							68	46	75.692	23.265,455	287.092,007	12,340	11,879
19							69	47	73.770	22.284,685	263.826,552	11,839	11,378
20							70	48	71.731	21.295,915	241.541,867	11,342	10,881
21							71	49	69.537	20.289,667	220.245,953	10,855	10,394
22	0	98.906	67.524,956	2.344.476,519	34,720	34,259	72	50	67.186	19.266,278	199.956,285	10,379	9,917
23	1	98.456	66.061,769	2.276.951,563	34,467	34,006	73	51	64.657	18.222,154	180.690,007	9,916	9,455
24	2	98.348	64.854,213	2.210.889,794	34,090	33,629	74	52	61.976	17.166,362	162.467,853	9,464	9,003
25	3	98.257	63.679,944	2.146.035,581	33,700	33,239	75	53	59.166	16.106,001	145.301,490	9,022	8,560
26	4	98.168	62.528,198	2.082.355,638	33,303	32,841	76	54	56.252	15.049,464	129.195,489	8,585	8,124
27	5	98.085	61.400,894	2.019.827,440	32,896	32,435	77	55	53.260	14.003,904	114.146,025	8,151	7,690
28	6	98.002	60.293,821	1.958.426,545	32,481	32,020	78	56	50.154	12.960,448	100.142,121	7,727	7,266
29	7	97.921	59.207,814	1.898.132,724	32,059	31,598	79	57	46.920	11.916,302	87.181,672	7,316	6,855
30	8	97.844	58.143,507	1.838.924,910	31,627	31,166	80	58	43.600	10.882,669	75.265,370	6,916	6,455
31	9	97.763	57.096,268	1.780.781,403	31,189	30,728	81	59	40.166	9.852,945	64.382,702	6,534	6,073
32	10	97.680	56.066,333	1.723.685,136	30,744	30,282	82	60	36.680	8.843,238	54.529,757	6,166	5,705
33	11	97.591	55.052,274	1.667.618,803	30,292	29,830	83	61	33.054	7.832,012	45.686,519	5,833	5,372
34	12	97.497	54.052,898	1.612.566,529	29,833	29,372	84	62	29.519	6.874,089	37.854,507	5,507	5,046
35	13	97.395	53.067,997	1.558.513,630	29,368	28,907	85	63	26.099	5.973,101	30.980,418	5,187	4,725
36	14	97.284	52.095,651	1.505.445,634	28,898	28,437	86	64	22.909	5.152,910	25.007,318	4,853	4,392
37	15	97.163	51.135,901	1.453.349,983	28,421	27,960	87	65	19.729	4.361,315	19.854,408	4,552	4,091
38	16	97.028	50.186,729	1.402.214,081	27,940	27,479	88	66	16.630	3.612,865	15.493,093	4,288	3,827
39	17	96.874	49.245,169	1.352.027,352	27,455	26,994	89	67	13.752	2.936,243	11.880,228	4,046	3,585
40	18	96.703	48.312,974	1.302.782,183	26,965	26,504	90	68	11.165	2.342,836	8.943,985	3,818	3,356
41	19	96.509	47.386,633	1.254.469,209	26,473	26,012	91	69	8.896	1.834,594	6.601,149	3,598	3,137
42	20	96.299	46.470,273	1.207.082,576	25,975	25,514	92	70	6.914	1.401,420	4.766,556	3,401	2,940
43	21	96.056	45.555,907	1.160.612,303	25,477	25,015	93	71	5.249	1.045,575	3.365,136	3,218	2,757
44	22	95.795	44.650,627	1.115.056,397	24,973	24,512	94	72	3.885	760,563	2.319,561	3,050	2,589
45	23	95.512	43.753,101	1.070.405,770	24,465	24,003	95	73	2.800	538,843	1.558,998	2,893	2,432
46	24	95.193	42.857,091	1.026.652,669	23,955	23,494	96	74	1.963	371,173	1.020,155	2,748	2,287
47	25	94.844	41.965,620	983.795,578	23,443	22,982	97	75	1.336	248,274	648,982	2,614	2,153
48	26	94.466	41.079,160	941.829,958	22,927	22,466	98	76	881	160,935	400,708	2,490	2,029
49	27	94.054	40.196,562	900.750,799	22,409	21,947	99	77	563	100,989	239,773	2,374	1,913
							100	78	347	61,237	138,784	2,266	1,805

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 23 Jahre

Zinsfuß 1,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	27	93.631	39.327,908	861.956,307	21,917	21,456
1							51	28	93.140	38.448,767	822.628,399	21,395	20,934
2							52	29	92.630	37.580,558	784.179,633	20,867	20,405
3							53	30	92.060	36.706,848	746.599,074	20,340	19,878
4							54	31	91.451	35.837,033	709.892,226	19,809	19,348
5							55	32	90.798	34.969,025	674.055,193	19,276	18,815
6							56	33	90.086	34.098,208	639.086,168	18,743	18,281
7							57	34	89.345	33.236,025	604.987,960	18,203	17,742
8							58	35	88.531	32.366,578	571.751,935	17,665	17,204
9							59	36	87.642	31.490,625	539.385,356	17,128	16,667
10							60	37	86.672	30.606,390	507.894,731	16,594	16,133
11							61	38	85.643	29.723,102	477.288,341	16,058	15,597
12							62	39	84.555	28.840,835	447.565,239	15,518	15,057
13							63	40	83.350	27.940,625	418.724,404	14,986	14,525
14							64	41	82.074	27.039,705	390.783,780	14,452	13,991
15							65	42	80.699	26.129,400	363.744,074	13,921	13,460
16							66	43	79.196	25.201,888	337.614,674	13,396	12,935
17							67	44	77.580	24.262,971	312.412,787	12,876	12,415
18							68	45	75.813	23.302,413	288.149,816	12,366	11,904
19							69	46	73.903	22.324,780	264.847,403	11,863	11,402
20							70	47	71.871	21.337,408	242.522,623	11,366	10,905
21							71	48	69.685	20.332,771	221.185,215	10,878	10,417
22							72	49	67.348	19.312,759	200.852,443	10,400	9,939
23	0	98.831	66.313,558	2.278.850,313	34,365	33,904	73	50	64.820	18.268,312	181.539,685	9,937	9,476
24	1	98.383	64.877,448	2.212.536,755	34,103	33,642	74	51	62.149	17.214,170	163.271,373	9,485	9,024
25	2	98.276	63.692,536	2.147.659,307	33,719	33,258	75	52	59.345	16.154,841	146.057,203	9,041	8,580
26	3	98.185	62.538,933	2.083.966,771	33,323	32,862	76	53	56.430	15.097,134	129.902,362	8,604	8,143
27	4	98.098	61.408,826	2.021.427,838	32,918	32,456	77	54	53.446	14.052,783	114.805,228	8,170	7,708
28	5	98.015	60.301,704	1.960.019,012	32,504	32,042	78	55	50.345	13.009,714	100.752,445	7,744	7,283
29	6	97.930	59.213,271	1.899.717,308	32,083	31,621	79	56	47.109	11.964,335	87.742,730	7,334	6,872
30	7	97.852	58.148,571	1.840.504,038	31,652	31,191	80	57	43.796	10.931,457	75.778,395	6,932	6,471
31	8	97.772	57.101,749	1.782.355,467	31,214	30,752	81	58	40.360	9.900,622	64.846,938	6,550	6,089
32	9	97.686	56.069,956	1.725.253,718	30,770	30,308	82	59	36.868	8.888,424	54.946,316	6,182	5,721
33	10	97.599	55.056,904	1.669.183,762	30,317	29,856	83	60	33.237	7.875,360	46.057,892	5,848	5,387
34	11	97.506	54.057,968	1.614.126,858	29,859	29,398	84	61	29.686	6.912,991	38.182,531	5,523	5,062
35	12	97.403	53.072,504	1.560.068,890	29,395	28,934	85	62	26.264	6.010,927	31.269,541	5,202	4,741
36	13	97.293	52.100,699	1.506.996,386	28,925	28,463	86	63	23.066	5.188,199	25.258,614	4,868	4,407
37	14	97.174	51.141,861	1.454.895,687	28,448	27,987	87	64	19.875	4.393,443	20.070,415	4,568	4,107
38	15	97.045	50.195,697	1.403.753,827	27,966	27,504	88	65	16.766	3.642,616	15.676,972	4,304	3,843
39	16	96.894	49.255,600	1.353.558,129	27,480	27,019	89	66	13.877	2.963,078	12.034,356	4,061	3,600
40	17	96.724	48.323,606	1.304.302,529	26,991	26,530	90	67	11.279	2.366,895	9.071,278	3,833	3,371
41	18	96.537	47.400,265	1.255.978,923	26,497	26,036	91	68	8.998	1.855,820	6.704,382	3,613	3,151
42	19	96.325	46.483,158	1.208.578,658	26,000	25,539	92	69	7.003	1.419,531	4.848,563	3,416	2,954
43	20	96.086	45.570,300	1.162.095,500	25,501	25,040	93	70	5.324	1.060,651	3.429,032	3,233	2,772
44	21	95.818	44.661,554	1.116.525,199	25,000	24,538	94	71	3.949	773,097	2.368,381	3,063	2,602
45	22	95.538	43.764,950	1.071.863,645	24,491	24,030	95	72	2.852	548,736	1.595,285	2,907	2,446
46	23	95.218	42.868,275	1.028.098,695	23,983	23,522	96	73	2.004	378,892	1.046,548	2,762	2,301
47	24	94.870	41.977,024	985.230,420	23,471	23,010	97	74	1.367	254,056	667,656	2,628	2,167
48	25	94.489	41.089,270	943.253,396	22,956	22,495	98	75	905	165,219	413,600	2,503	2,042
49	26	94.080	40.207,818	902.164,125	22,438	21,976	99	76	579	103,999	248,381	2,388	1,927
							100	77	359	63,296	144,382	2,281	1,820

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 24 Jahre

Zinsfuß 1,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	26	93.658	39.338,921	863.242,796	21,944	21,483
1							51	27	93.167	38.459,975	823.903,875	21,422	20,961
2							52	28	92.658	37.591,716	785.443,900	20,894	20,433
3							53	29	92.087	36.717,596	747.852,183	20,368	19,906
4							54	30	91.481	35.848,770	711.134,587	19,837	19,376
5							55	31	90.830	34.981,521	675.285,817	19,304	18,843
6							56	32	90.118	34.110,337	640.304,296	18,772	18,310
7							57	33	89.381	33.249,311	606.193,959	18,232	17,771
8							58	34	88.572	32.381,760	572.944,648	17,693	17,232
9							59	35	87.687	31.506,755	540.562,889	17,157	16,696
10							60	36	86.721	30.623,707	509.056,134	16,623	16,162
11							61	37	85.696	29.741,340	478.432,427	16,086	15,625
12							62	38	84.615	28.861,023	448.691,087	15,547	15,085
13							63	39	83.417	27.963,002	419.830,064	15,014	14,553
14							64	40	82.145	27.063,250	391.867,061	14,480	14,018
15							65	41	80.779	26.155,254	364.803,811	13,948	13,486
16							66	42	79.285	25.230,263	338.648,557	13,422	12,961
17							67	43	77.681	24.294,506	313.418,294	12,901	12,440
18							68	44	75.918	23.334,895	289.123,788	12,390	11,929
19							69	45	74.020	22.360,243	265.788,893	11,887	11,425
20							70	46	72.000	21.375,799	243.428,650	11,388	10,927
21							71	47	69.821	20.372,389	222.052,851	10,900	10,438
22							72	48	67.491	19.353,787	201.680,462	10,421	9,960
23							73	49	64.977	18.312,385	182.326,675	9,956	9,495
24	0	98.758	65.124,723	2.214.299,730	34,001	33,540	74	50	62.306	17.257,774	164.014,290	9,504	9,043
25	1	98.312	63.715,356	2.149.175,008	33,731	33,270	75	51	59.510	16.199,831	146.756,516	9,059	8,598
26	2	98.204	62.551,300	2.085.459,652	33,340	32,879	76	52	56.601	15.142,914	130.556,684	8,622	8,160
27	3	98.115	61.419,368	2.022.908,352	32,936	32,475	77	53	53.615	14.097,296	115.413,770	8,187	7,726
28	4	98.028	60.309,493	1.961.488,984	32,524	32,063	78	54	50.520	13.055,123	101.316,474	7,761	7,299
29	5	97.943	59.221,012	1.901.179,491	32,103	31,642	79	55	47.288	12.009,815	88.261,351	7,349	6,888
30	6	97.861	58.153,930	1.841.958,479	31,674	31,213	80	56	43.972	10.975,520	76.251,536	6,947	6,486
31	7	97.781	57.106,722	1.783.804,549	31,236	30,775	81	57	40.541	9.945,008	65.276,016	6,564	6,102
32	8	97.695	56.075,338	1.726.697,827	30,792	30,331	82	58	37.046	8.931,435	55.331,008	6,195	5,734
33	9	97.606	55.060,462	1.670.622,489	30,342	29,880	83	59	33.407	7.915,602	46.399,573	5,862	5,401
34	10	97.514	54.062,514	1.615.562,027	29,883	29,422	84	60	29.851	6.951,252	38.483,972	5,536	5,075
35	11	97.413	53.077,482	1.561.499,513	29,419	28,958	85	61	26.413	6.044,944	31.532,719	5,216	4,755
36	12	97.301	52.105,124	1.508.422,031	28,950	28,488	86	62	23.212	5.221,055	25.487,776	4,882	4,421
37	13	97.183	51.146,816	1.456.316,907	28,473	28,012	87	63	20.011	4.423,531	20.266,721	4,582	4,120
38	14	97.057	50.201,547	1.405.170,090	27,991	27,529	88	64	16.890	3.669,450	15.843,190	4,318	3,856
39	15	96.912	49.264,403	1.354.968,543	27,504	27,043	89	65	13.992	2.987,478	12.173,740	4,075	3,614
40	16	96.745	48.333,842	1.305.704,141	27,014	26,553	90	66	11.382	2.388,527	9.186,262	3,846	3,385
41	17	96.558	47.410,696	1.257.370,299	26,521	26,060	91	67	9.091	1.874,878	6.797,735	3,626	3,164
42	18	96.353	46.496,530	1.209.959,603	26,023	25,561	92	68	7.084	1.435,954	4.922,857	3,428	2,967
43	19	96.113	45.582,936	1.163.463,072	25,524	25,063	93	69	5.393	1.074,358	3.486,903	3,246	2,784
44	20	95.849	44.675,666	1.117.880,136	25,022	24,561	94	70	4.006	784,244	2.412,545	3,076	2,615
45	21	95.561	43.775,660	1.073.204,471	24,516	24,055	95	71	2.899	557,779	1.628,301	2,919	2,458
46	22	95.244	42.879,884	1.029.428,810	24,007	23,546	96	72	2.040	385,849	1.070,522	2,774	2,313
47	23	94.895	41.987,979	986.548,926	23,496	23,035	97	73	1.395	259,340	684,674	2,640	2,179
48	24	94.515	41.100,436	944.560,947	22,982	22,521	98	74	926	169,067	425,334	2,516	2,055
49	25	94.103	40.217,714	903.460,510	22,464	22,003	99	75	595	106,768	256,267	2,400	1,939
							100	76	369	65,183	149,499	2,294	1,832

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 25 Jahre

Zinsfuß 1,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	25	93.681	39.348,603	864.422,741	21,968	21,507
1							51	26	93.194	38.470,745	825.074,138	21,447	20,986
2							52	27	92.685	37.602,675	786.603,392	20,919	20,458
3							53	28	92.114	36.728,498	749.000,717	20,393	19,932
4							54	29	91.508	35.859,267	712.272,219	19,863	19,402
5							55	30	90.860	34.992,978	676.412,953	19,330	18,869
6							56	31	90.151	34.122,526	641.419,975	18,798	18,336
7							57	32	89.413	33.261,137	607.297,449	18,258	17,797
8							58	33	88.607	32.394,704	574.036,311	17,720	17,259
9							59	34	87.728	31.521,533	541.641,608	17,183	16,722
10							60	35	86.765	30.639,393	510.120,074	16,649	16,188
11							61	36	85.744	29.758,167	479.480,682	16,113	15,651
12							62	37	84.667	28.878,732	449.722,515	15,573	15,112
13							63	38	83.475	27.982,576	420.843,782	15,039	14,578
14							64	39	82.211	27.084,925	392.861,206	14,505	14,044
15							65	40	80.849	26.178,029	365.776,281	13,973	13,511
16							66	41	79.364	25.255,228	339.598,252	13,447	12,985
17							67	42	77.768	24.321,860	314.343,025	12,924	12,463
18							68	43	76.017	23.365,224	290.021,165	12,413	11,951
19							69	44	74.124	22.391,412	266.655,941	11,909	11,448
20							70	45	72.114	21.409,755	244.264,529	11,409	10,948
21							71	46	69.947	20.409,043	222.854,774	10,919	10,458
22							72	47	67.622	19.391,497	202.445,731	10,440	9,979
23							73	48	65.115	18.351,288	183.054,234	9,975	9,514
24							74	49	62.457	17.299,409	164.702,946	9,521	9,060
25	0	98.686	63.958,201	2.150.812,952	33,628	33,167	75	50	59.661	16.240,866	147.403,536	9,076	8,615
26	1	98.240	62.573,710	2.086.854,751	33,350	32,889	76	51	56.759	15.185,087	131.162,670	8,638	8,176
27	2	98.134	61.431,514	2.024.281,041	32,952	32,491	77	52	53.778	14.140,044	115.977,584	8,202	7,741
28	3	98.045	60.319,847	1.962.849,527	32,541	32,079	78	53	50.680	13.096,476	101.837,539	7,776	7,315
29	4	97.956	59.228,662	1.902.529,680	32,122	31,661	79	54	47.454	12.051,734	88.741,063	7,363	6,902
30	5	97.874	58.161,533	1.843.301,018	31,693	31,232	80	55	44.139	11.017,241	76.689,330	6,961	6,500
31	6	97.790	57.111,985	1.785.139,486	31,257	30,796	81	56	40.704	9.985,095	65.672,089	6,577	6,116
32	7	97.704	56.080,222	1.728.027,501	30,813	30,352	82	57	37.212	8.971,475	55.686,994	6,207	5,746
33	8	97.615	55.065,748	1.671.947,278	30,363	29,902	83	58	33.569	7.953,905	46.715,518	5,873	5,412
34	9	97.520	54.066,007	1.616.881,530	29,906	29,444	84	59	30.003	6.986,771	38.761,613	5,548	5,087
35	10	97.421	53.081,945	1.562.815,523	29,442	28,980	85	60	26.559	6.078,401	31.774,842	5,228	4,766
36	11	97.311	52.110,011	1.509.733,578	28,972	28,511	86	61	23.344	5.250,602	25.696,441	4,894	4,433
37	12	97.192	51.151,161	1.457.623,566	28,496	28,035	87	62	20.137	4.451,544	20.445,840	4,593	4,132
38	13	97.066	50.206,412	1.406.472,406	28,014	27,553	88	63	17.006	3.694,580	15.994,295	4,329	3,868
39	14	96.923	49.270,144	1.356.265,994	27,527	27,066	89	64	14.095	3.009,486	12.299,716	4,087	3,626
40	15	96.762	48.342,479	1.306.995,851	27,036	26,575	90	65	11.476	2.408,196	9.290,230	3,858	3,397
41	16	96.578	47.420,739	1.258.653,372	26,542	26,081	91	66	9.174	1.892,013	6.882,034	3,637	3,176
42	17	96.374	46.506,763	1.211.232,633	26,044	25,583	92	67	7.157	1.450,701	4.990,021	3,440	2,979
43	18	96.141	45.596,049	1.164.725,870	25,544	25,083	93	68	5.456	1.086,788	3.539,320	3,257	2,795
44	19	95.875	44.688,053	1.119.129,821	25,043	24,582	94	69	4.058	794,378	2.452,533	3,087	2,626
45	20	95.591	43.789,492	1.074.441,767	24,537	24,075	95	70	2.941	565,821	1.658,154	2,931	2,469
46	21	95.267	42.890,378	1.030.652,276	24,030	23,569	96	71	2.074	392,207	1.092,333	2,785	2,324
47	22	94.921	41.999,350	987.761,897	23,519	23,057	97	72	1.421	264,101	700,126	2,651	2,190
48	23	94.539	41.111,163	945.762,547	23,005	22,544	98	73	945	172,583	436,024	2,526	2,065
49	24	94.129	40.228,644	904.651,385	22,488	22,027	99	74	609	109,255	263,441	2,411	1,950
							100	75	379	66,918	154,187	2,304	1,843

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 0 Jahre

Zinsfuß 2,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	0	100.000	100.000,000	3.791.922,476	37,919	37,458	50	50	91.638	34.046,040	655.975,762	19,267	18,806
1	1	99.166	97.221,381	3.691.922,476	37,974	37,513	51	51	90.953	33.129,152	621.929,722	18,773	18,311
2	2	99.090	95.242,450	3.594.701,095	37,743	37,281	52	52	90.231	32.221,555	588.800,570	18,273	17,812
3	3	99.051	93.337,694	3.499.458,645	37,492	37,031	53	53	89.431	31.309,548	556.579,015	17,777	17,315
4	4	99.016	91.475,146	3.406.120,951	37,235	36,774	54	54	88.588	30.406,381	525.269,467	17,275	16,813
5	5	98.990	89.657,908	3.314.645,805	36,970	36,508	55	55	87.680	29.504,782	494.863,086	16,772	16,311
6	6	98.963	87.876,384	3.224.987,897	36,699	36,238	56	56	86.694	28.601,012	465.358,304	16,271	15,809
7	7	98.942	86.135,339	3.137.111,513	36,421	35,959	57	57	85.670	27.708,924	436.757,292	15,762	15,301
8	8	98.922	84.428,630	3.050.976,175	36,137	35,675	58	58	84.550	26.810,360	409.048,368	15,257	14,795
9	9	98.900	82.755,380	2.966.547,545	35,847	35,386	59	59	83.341	25.908,801	382.238,008	14,753	14,292
10	10	98.885	81.119,891	2.883.792,165	35,550	35,088	60	60	82.046	25.006,019	356.329,207	14,250	13,788
11	11	98.867	79.515,144	2.802.672,275	35,247	34,785	61	61	80.675	24.106,277	331.323,188	13,744	13,283
12	12	98.844	77.937,452	2.723.157,130	34,940	34,479	62	62	79.258	23.218,340	307.216,911	13,232	12,770
13	13	98.822	76.392,800	2.645.219,679	34,627	34,165	63	63	77.698	22.315,148	283.998,571	12,727	12,265
14	14	98.800	74.877,935	2.568.826,879	34,307	33,845	64	64	76.054	21.414,787	261.683,423	12,220	11,758
15	15	98.770	73.387,645	2.493.948,944	33,983	33,522	65	65	74.307	20.512,444	240.268,636	11,713	11,252
16	16	98.729	71.918,847	2.420.561,299	33,657	33,195	66	66	72.409	19.596,675	219.756,191	11,214	10,752
17	17	98.670	70.466,742	2.348.642,452	33,330	32,868	67	67	70.380	18.674,135	200.159,516	10,719	10,257
18	18	98.599	69.034,832	2.278.175,710	33,000	32,539	68	68	68.173	17.733,703	181.485,381	10,234	9,772
19	19	98.496	67.610,422	2.209.140,878	32,675	32,213	69	69	65.800	16.780,829	163.751,678	9,758	9,297
20	20	98.389	66.212,981	2.141.530,456	32,343	31,881	70	70	63.288	15.823,639	146.970,849	9,288	8,826
21	21	98.283	64.844,847	2.075.317,475	32,004	31,543	71	71	60.609	14.856,748	131.147,210	8,827	8,366
22	22	98.182	63.507,990	2.010.472,628	31,657	31,195	72	72	57.749	13.878,061	116.290,462	8,379	7,918
23	23	98.081	62.198,947	1.946.964,638	31,302	30,841	73	73	54.711	12.890,276	102.412,401	7,945	7,483
24	24	97.983	60.918,263	1.884.765,690	30,939	30,478	74	74	51.518	11.899,916	89.522,125	7,523	7,061
25	25	97.886	59.664,239	1.823.847,427	30,569	30,107	75	75	48.208	10.916,992	77.622,209	7,110	6,649
26	26	97.790	58.437,183	1.764.183,188	30,189	29,728	76	76	44.787	9.943,409	66.705,217	6,708	6,247
27	27	97.693	57.234,355	1.705.746,005	29,803	29,341	77	77	41.321	8.994,006	56.761,808	6,311	5,849
28	28	97.594	56.055,643	1.648.511,650	29,408	28,947	78	78	37.788	8.063,850	47.767,802	5,924	5,462
29	29	97.494	54.899,818	1.592.456,006	29,007	28,545	79	79	34.179	7.150,617	39.703,952	5,553	5,091
30	30	97.396	53.769,751	1.537.556,189	28,595	28,134	80	80	30.561	6.268,301	32.553,335	5,193	4,732
31	31	97.293	52.659,683	1.483.786,438	28,177	27,715	81	81	26.911	5.411,555	26.285,034	4,857	4,396
32	32	97.182	51.567,944	1.431.126,755	27,752	27,291	82	82	23.325	4.598,380	20.873,479	4,539	4,078
33	33	97.068	50.497,427	1.379.558,811	27,319	26,858	83	83	19.770	3.821,065	16.275,099	4,259	3,798
34	34	96.944	49.444,089	1.329.061,384	26,880	26,418	84	84	16.483	3.123,340	12.454,034	3,987	3,526
35	35	96.806	48.405,595	1.279.617,295	26,435	25,974	85	85	13.487	2.505,515	9.330,693	3,724	3,262
36	36	96.655	47.382,533	1.231.211,700	25,985	25,523	86	86	10.885	1.982,450	6.825,178	3,443	2,981
37	37	96.491	46.374,787	1.183.829,167	25,527	25,066	87	87	8.491	1.516,136	4.842,728	3,194	2,733
38	38	96.316	45.382,702	1.137.454,380	25,064	24,602	88	88	6.365	1.114,288	3.326,592	2,985	2,524
39	39	96.116	44.400,455	1.092.071,678	24,596	24,134	89	89	4.613	791,734	2.212,304	2,794	2,333
40	40	95.891	43.427,985	1.047.671,223	24,124	23,663	90	90	3.223	542,282	1.420,571	2,620	2,158
41	41	95.642	42.466,154	1.004.243,238	23,648	23,186	91	91	2.173	358,459	878,288	2,450	1,989
42	42	95.366	41.513,318	961.777,084	23,168	22,706	92	92	1.390	224,831	519,829	2,312	1,850
43	43	95.049	40.563,895	920.263,766	22,687	22,225	93	93	851	134,880	294,999	2,187	1,726
44	44	94.691	39.618,584	879.699,871	22,204	21,743	94	94	497	77,202	160,119	2,074	1,612
45	45	94.305	38.683,619	840.081,287	21,717	21,255	95	95	276	42,054	82,917	1,972	1,510
46	46	93.866	37.748,455	801.397,668	21,230	20,768	96	96	146	21,747	40,863	1,879	1,417
47	47	93.379	36.816,432	763.649,213	20,742	20,280	97	97	73	10,649	19,117	1,795	1,334
48	48	92.848	35.889,331	726.832,781	20,252	19,790	98	98	34	4,925	8,468	1,719	1,258
49	49	92.273	34.967,687	690.943,450	19,759	19,298	99	99	15	2,146	3,542	1,650	1,189
							100	100	6	0,879	1,396	1,588	1,126

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -1 Jahr

Zinsfuß 2,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	1	99.620	99.620,306	3.782.246,687	37,967	37,505	50	51	91.406	33.960,018	647.929,205	19,079	18,618
1	2	99.130	97.186,562	3.682.626,381	37,892	37,431	51	52	90.701	33.037,145	613.969,187	18,584	18,123
2	3	99.071	95.223,620	3.585.439,819	37,653	37,191	52	53	89.958	32.124,142	580.932,042	18,084	17,622
3	4	99.034	93.321,673	3.490.216,199	37,400	36,938	53	54	89.148	31.210,687	548.807,900	17,584	17,122
4	5	99.003	91.463,332	3.396.894,526	37,139	36,678	54	55	88.280	30.300,620	517.597,213	17,082	16,620
5	6	98.977	89.646,188	3.305.431,195	36,872	36,410	55	56	87.348	29.393,052	487.296,593	16,579	16,117
6	7	98.954	87.868,286	3.215.785,007	36,598	36,136	56	57	86.346	28.486,187	457.903,541	16,075	15,613
7	8	98.934	86.127,837	3.127.916,721	36,317	35,856	57	58	85.288	27.585,257	429.417,354	15,567	15,105
8	9	98.912	84.420,525	3.041.788,884	36,031	35,570	58	59	84.143	26.681,251	401.832,097	15,060	14,599
9	10	98.894	82.750,032	2.957.368,359	35,739	35,277	59	60	82.917	25.777,087	375.150,846	14,554	14,092
10	11	98.876	81.113,069	2.874.618,326	35,440	34,978	60	61	81.594	24.868,380	349.373,760	14,049	13,587
11	12	98.858	79.507,687	2.793.505,257	35,135	34,673	61	62	80.221	23.970,623	324.505,380	13,538	13,076
12	13	98.835	77.930,833	2.713.997,570	34,826	34,364	62	63	78.759	23.072,229	300.534,758	13,026	12,564
13	14	98.813	76.385,398	2.636.066,737	34,510	34,048	63	64	77.170	22.163,364	277.462,529	12,519	12,057
14	15	98.788	74.869,210	2.559.681,339	34,189	33,727	64	65	75.498	21.258,185	255.299,164	12,009	11,548
15	16	98.752	73.374,532	2.484.812,129	33,865	33,403	65	66	73.700	20.344,912	234.040,980	11,504	11,042
16	17	98.708	71.903,617	2.411.437,597	33,537	33,075	66	67	71.753	19.419,196	213.696,068	11,004	10,543
17	18	98.649	70.451,238	2.339.533,980	33,208	32,746	67	68	69.665	18.484,313	194.276,872	10,510	10,049
18	19	98.570	69.014,978	2.269.082,743	32,878	32,417	68	69	67.393	17.530,872	175.792,559	10,028	9,566
19	20	98.468	67.591,680	2.200.067,764	32,549	32,088	69	70	64.960	16.566,736	158.261,686	9,553	9,091
20	21	98.358	66.192,068	2.132.476,085	32,216	31,755	70	71	62.388	15.598,729	141.694,950	9,084	8,622
21	22	98.259	64.828,982	2.066.284,017	31,873	31,411	71	72	59.626	14.615,886	126.096,221	8,627	8,166
22	23	98.155	63.490,796	2.001.455,035	31,524	31,062	72	73	56.707	13.627,852	111.480,335	8,180	7,719
23	24	98.056	62.182,719	1.937.964,240	31,166	30,704	73	74	53.596	12.627,671	97.852,483	7,749	7,287
24	25	97.957	60.901,713	1.875.781,520	30,800	30,339	74	75	50.345	11.629,053	85.224,812	7,329	6,867
25	26	97.861	59.649,558	1.814.879,807	30,426	29,964	75	76	46.958	10.633,941	73.595,759	6,921	6,459
26	27	97.762	58.420,823	1.755.230,249	30,045	29,583	76	77	43.490	9.655,563	62.961,817	6,521	6,059
27	28	97.664	57.217,675	1.696.809,426	29,655	29,194	77	78	39.976	8.701,409	53.306,254	6,126	5,665
28	29	97.565	56.039,005	1.639.591,751	29,258	28,796	78	79	36.388	7.764,987	44.604,845	5,744	5,283
29	30	97.465	54.883,748	1.583.552,746	28,853	28,391	79	80	32.741	6.849,818	36.839,858	5,378	4,917
30	31	97.365	53.752,146	1.528.668,998	28,439	27,978	80	81	29.072	5.962,944	29.990,040	5,029	4,568
31	32	97.259	52.640,872	1.474.916,852	28,018	27,557	81	82	25.411	5.109,894	24.027,096	4,702	4,240
32	33	97.147	51.549,608	1.422.275,980	27,590	27,129	82	83	21.818	4.301,214	18.917,202	4,398	3,936
33	34	97.029	50.477,249	1.370.726,372	27,155	26,694	83	84	18.353	3.547,256	14.615,988	4,120	3,659
34	35	96.898	49.420,908	1.320.249,123	26,714	26,253	84	85	15.158	2.872,344	11.068,733	3,854	3,392
35	36	96.756	48.380,814	1.270.828,214	26,267	25,806	85	86	12.316	2.287,975	8.196,389	3,582	3,121
36	37	96.600	47.355,740	1.222.447,401	25,814	25,353	86	87	9.787	1.782,590	5.908,414	3,315	2,853
37	38	96.432	46.346,349	1.175.091,661	25,355	24,893	87	88	7.490	1.337,418	4.125,823	3,085	2,623
38	39	96.248	45.350,956	1.128.745,312	24,889	24,428	88	89	5.528	967,729	2.788,406	2,881	2,420
39	40	96.039	44.364,923	1.083.394,356	24,420	23,958	89	90	3.929	674,379	1.820,677	2,700	2,238
40	41	95.807	43.390,203	1.039.029,432	23,946	23,485	90	91	2.696	453,640	1.146,298	2,527	2,065
41	42	95.548	42.424,177	995.639,229	23,469	23,007	91	92	1.766	291,284	692,658	2,378	1,916
42	43	95.259	41.466,629	953.215,052	22,988	22,526	92	93	1.105	178,653	401,374	2,247	1,785
43	44	94.926	40.511,242	911.748,423	22,506	22,044	93	94	660	104,668	222,722	2,128	1,666
44	45	94.559	39.563,434	871.237,181	22,021	21,560	94	95	376	58,431	118,054	2,020	1,559
45	46	94.155	38.622,267	831.673,746	21,534	21,072	95	96	203	31,003	59,623	1,923	1,462
46	47	93.697	37.680,659	793.051,480	21,047	20,585	96	97	104	15,596	28,620	1,835	1,373
47	48	93.198	36.744,837	755.370,820	20,557	20,096	97	98	51	7,419	13,024	1,755	1,294
48	49	92.651	35.813,248	718.625,983	20,066	19,604	98	99	23	3,330	5,604	1,683	1,222
49	50	92.051	34.883,530	682.812,735	19,574	19,112	99	100	10	1,406	2,275	1,618	1,156
							100	101	4	0,557	0,868	1,558	1,097

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -2 Jahre

Zinsfuß 2,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	2	99.585	99.584,628	3.772.264,621	37,880	37,418	50	52	91.153	33.865,703	639.312,167	18,878	18,416
1	3	99.111	97.167,347	3.672.679,993	37,797	37,336	51	53	90.427	32.937,266	605.446,464	18,382	17,920
2	4	99.054	95.207,275	3.575.512,647	37,555	37,093	52	54	89.674	32.022,709	572.509,197	17,878	17,417
3	5	99.021	93.309,620	3.480.305,372	37,298	36,837	53	55	88.838	31.102,128	540.486,488	17,378	16,916
4	6	98.990	91.451,375	3.386.995,752	37,036	36,574	54	56	87.945	30.185,876	509.384,360	16,875	16,413
5	7	98.968	89.637,927	3.295.544,376	36,765	36,303	55	57	86.998	29.275,047	479.198,484	16,369	15,907
6	8	98.945	87.860,634	3.205.906,449	36,489	36,027	56	58	85.961	28.359,051	449.923,437	15,865	15,404
7	9	98.924	86.119,569	3.118.045,815	36,206	35,744	57	59	84.877	27.452,416	421.564,386	15,356	14,895
8	10	98.906	84.415,070	3.031.926,246	35,917	35,455	58	60	83.715	26.545,609	394.111,970	14,847	14,385
9	11	98.886	82.743,074	2.947.511,176	35,622	35,161	59	61	82.461	25.635,203	367.566,361	14,338	13,877
10	12	98.867	81.105,462	2.864.768,102	35,322	34,860	60	62	81.135	24.728,436	341.931,158	13,827	13,366
11	13	98.849	79.500,935	2.783.662,640	35,014	34,553	61	63	79.716	23.819,778	317.202,721	13,317	12,855
12	14	98.826	77.923,282	2.704.161,705	34,703	34,241	62	64	78.223	22.915,295	293.382,943	12,803	12,341
13	15	98.801	76.376,497	2.626.238,423	34,385	33,924	63	65	76.605	22.001,287	270.467,648	12,293	11,832
14	16	98.771	74.855,833	2.549.861,926	34,064	33,602	64	66	74.882	21.084,561	248.466,360	11,784	11,323
15	17	98.732	73.358,993	2.475.006,092	33,738	33,277	65	67	73.032	20.160,656	227.381,799	11,278	10,817
16	18	98.687	71.887,796	2.401.647,099	33,408	32,947	66	68	71.024	19.221,800	207.221,143	10,781	10,319
17	19	98.620	70.430,976	2.329.759,302	33,079	32,617	67	69	68.868	18.272,897	187.999,342	10,288	9,827
18	20	98.543	68.995,847	2.259.328,326	32,746	32,284	68	70	66.533	17.307,211	169.726,445	9,807	9,345
19	21	98.437	67.570,330	2.190.332,479	32,416	31,954	69	71	64.037	16.331,264	152.419,235	9,333	8,871
20	22	98.334	66.175,872	2.122.762,149	32,078	31,616	70	72	61.377	15.345,839	136.087,970	8,868	8,406
21	23	98.233	64.811,430	2.056.586,276	31,732	31,270	71	73	58.551	14.352,375	120.742,132	8,413	7,951
22	24	98.130	63.474,231	1.991.774,847	31,379	30,918	72	74	55.552	13.350,220	106.389,757	7,969	7,508
23	25	98.029	62.165,826	1.928.300,616	31,019	30,557	73	75	52.376	12.340,244	93.039,537	7,540	7,078
24	26	97.932	60.886,727	1.866.134,790	30,649	30,188	74	76	49.040	11.327,540	80.699,293	7,124	6,663
25	27	97.834	59.632,859	1.805.248,063	30,273	29,811	75	77	45.598	10.326,106	69.371,753	6,718	6,256
26	28	97.734	58.403,797	1.745.615,204	29,889	29,427	76	78	42.075	9.341,444	59.045,646	6,321	5,859
27	29	97.635	57.200,692	1.687.211,407	29,496	29,035	77	79	38.495	8.378,916	49.704,203	5,932	5,470
28	30	97.537	56.022,602	1.630.010,715	29,096	28,634	78	80	34.857	7.438,344	41.325,286	5,556	5,094
29	31	97.433	54.865,778	1.573.988,114	28,688	28,226	79	81	31.146	6.516,133	33.886,943	5,200	4,739
30	32	97.330	53.732,945	1.519.122,335	28,272	27,810	80	82	27.451	5.630,547	27.370,809	4,861	4,400
31	33	97.224	52.622,155	1.465.389,390	27,847	27,386	81	83	23.769	4.779,672	21.740,263	4,548	4,087
32	34	97.109	51.529,010	1.412.767,236	27,417	26,955	82	84	20.254	3.992,998	16.960,591	4,248	3,786
33	35	96.983	50.453,585	1.361.238,226	26,980	26,518	83	85	16.878	3.262,193	12.967,593	3,975	3,514
34	36	96.849	49.395,607	1.310.784,641	26,536	26,075	84	86	13.842	2.622,954	9.705,400	3,700	3,239
35	37	96.702	48.353,456	1.261.389,034	26,087	25,625	85	87	11.074	2.057,314	7.082,447	3,443	2,981
36	38	96.541	47.326,700	1.213.035,578	25,631	25,169	86	88	8.634	1.572,463	5.025,133	3,196	2,734
37	39	96.365	46.313,929	1.165.708,878	25,170	24,708	87	89	6.505	1.161,511	3.452,670	2,973	2,511
38	40	96.171	45.314,664	1.119.394,949	24,703	24,241	88	90	4.709	824,287	2.291,159	2,780	2,318
39	41	95.955	44.326,327	1.074.080,285	24,231	23,770	89	91	3.287	564,144	1.466,872	2,600	2,139
40	42	95.713	43.347,313	1.029.753,959	23,756	23,294	90	92	2.191	368,628	902,728	2,449	1,987
41	43	95.440	42.376,464	986.406,646	23,277	22,816	91	93	1.403	231,457	534,100	2,308	1,846
42	44	95.135	41.412,805	944.030,182	22,796	22,334	92	94	857	138,636	302,643	2,183	1,721
43	45	94.793	40.454,850	902.617,377	22,312	21,850	93	95	500	79,219	164,007	2,070	1,609
44	46	94.409	39.500,686	862.162,527	21,827	21,365	94	96	277	43,077	84,788	1,968	1,507
45	47	93.986	38.552,902	822.661,841	21,339	20,877	95	97	146	22,234	41,711	1,876	1,414
46	48	93.515	37.607,384	784.108,939	20,850	20,388	96	98	73	10,866	19,477	1,792	1,331
47	49	93.000	36.666,941	746.501,555	20,359	19,897	97	99	34	5,016	8,611	1,717	1,255
48	50	92.428	35.727,055	709.834,614	19,868	19,407	98	100	15	2,181	3,595	1,648	1,187
49	51	91.818	34.795,392	674.107,559	19,373	18,912	99	101	6	0,891	1,414	1,586	1,124
							100	102	2	0,341	0,522	1,530	1,068

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -3 Jahre

Zinsfuß 2,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	3	99.565	99.564,939	3.761.605,623	37,780	37,319	50	53	90.877	33.763,320	630.108,234	18,663	18,201
1	4	99.094	97.150,668	3.662.040,684	37,694	37,233	51	54	90.141	32.833,266	596.344,914	18,163	17,701
2	5	99.041	95.194,978	3.564.890,016	37,448	36,987	52	55	89.362	31.911,326	563.511,648	17,659	17,197
3	6	99.008	93.297,423	3.469.695,038	37,190	36,728	53	56	88.502	30.984,349	531.600,322	17,157	16,695
4	7	98.981	91.442,948	3.376.397,615	36,924	36,462	54	57	87.592	30.064,688	500.615,973	16,651	16,190
5	8	98.959	89.630,120	3.284.954,667	36,650	36,189	55	58	86.609	29.144,390	470.551,285	16,146	15,684
6	9	98.936	87.852,200	3.195.324,546	36,372	35,910	56	59	85.547	28.222,484	441.406,895	15,640	15,179
7	10	98.918	86.114,005	3.107.472,346	36,086	35,624	57	60	84.446	27.312,854	413.184,411	15,128	14,666
8	11	98.897	84.407,971	3.021.358,341	35,795	35,333	58	61	83.254	26.399,495	385.871,557	14,617	14,155
9	12	98.876	82.735,314	2.936.950,370	35,498	35,037	59	62	81.997	25.490,945	359.472,061	14,102	13,640
10	13	98.859	81.098,574	2.854.215,056	35,194	34,733	60	63	80.624	24.572,823	333.981,116	13,591	13,130
11	14	98.840	79.493,232	2.773.116,482	34,885	34,423	61	64	79.174	23.657,760	309.408,293	13,079	12,617
12	15	98.814	77.914,202	2.693.623,250	34,572	34,110	62	65	77.651	22.747,720	285.750,534	12,562	12,100
13	16	98.783	76.362,851	2.615.709,048	34,254	33,792	63	66	75.980	21.821,595	263.002,814	12,052	11,591
14	17	98.750	74.839,981	2.539.346,197	33,930	33,469	64	67	74.204	20.893,607	241.181,219	11,543	11,082
15	18	98.710	73.342,853	2.464.506,216	33,603	33,141	65	68	72.290	19.955,723	220.287,612	11,039	10,577
16	19	98.658	71.867,122	2.391.163,363	33,272	32,810	66	69	70.212	19.001,950	200.331,888	10,543	10,081
17	20	98.593	70.411,452	2.319.296,241	32,939	32,478	67	70	67.990	18.039,768	181.329,939	10,052	9,590
18	21	98.512	68.974,054	2.248.884,788	32,605	32,143	68	71	65.588	17.061,214	163.290,170	9,571	9,109
19	22	98.413	67.553,798	2.179.910,734	32,269	31,808	69	72	62.999	16.066,497	146.228,957	9,101	8,640
20	23	98.307	66.157,956	2.112.356,936	31,929	31,467	70	73	60.270	15.069,167	130.162,459	8,638	8,176
21	24	98.207	64.794,520	2.046.198,980	31,580	31,118	71	74	57.358	14.059,983	115.093,293	8,186	7,724
22	25	98.103	63.456,986	1.981.404,460	31,224	30,763	72	75	54.288	13.046,346	101.033,310	7,744	7,283
23	26	98.005	62.150,529	1.917.947,474	30,860	30,398	73	76	51.018	12.020,292	87.986,963	7,320	6,858
24	27	97.905	60.869,682	1.855.796,946	30,488	30,026	74	77	47.620	10.999,627	75.966,672	6,906	6,445
25	28	97.806	59.615,480	1.794.927,264	30,108	29,647	75	78	44.115	9.990,172	64.967,045	6,503	6,041
26	29	97.705	58.386,462	1.735.311,784	29,721	29,260	76	79	40.516	8.995,230	54.976,872	6,112	5,650
27	30	97.607	57.183,949	1.676.925,323	29,325	28,863	77	80	36.875	8.026,447	45.981,642	5,729	5,267
28	31	97.505	56.004,259	1.619.741,374	28,922	28,460	78	81	33.159	7.075,989	37.955,195	5,364	4,902
29	32	97.398	54.846,180	1.563.737,115	28,511	28,050	79	82	29.410	6.152,899	30.879,205	5,019	4,557
30	33	97.295	53.713,839	1.508.890,935	28,091	27,630	80	83	25.677	5.266,678	24.726,307	4,695	4,233
31	34	97.185	52.601,128	1.455.177,097	27,664	27,203	81	84	22.066	4.437,170	19.459,629	4,386	3,924
32	35	97.063	51.504,852	1.402.575,969	27,232	26,770	82	85	18.626	3.672,115	15.022,459	4,091	3,629
33	36	96.934	50.427,755	1.351.071,116	26,792	26,331	83	86	15.413	2.978,954	11.350,344	3,810	3,349
34	37	96.794	49.367,676	1.300.643,362	26,346	25,884	84	87	12.447	2.358,522	8.371,390	3,549	3,088
35	38	96.642	48.323,805	1.251.275,686	25,894	25,432	85	88	9.769	1.814,802	6.012,868	3,313	2,852
36	39	96.474	47.293,595	1.202.951,881	25,436	24,974	86	89	7.498	1.365,641	4.198,066	3,074	2,612
37	40	96.288	46.276,866	1.155.658,286	24,973	24,511	87	90	5.541	989,346	2.832,424	2,863	2,401
38	41	96.088	45.275,241	1.109.381,420	24,503	24,041	88	91	3.939	689,548	1.843,078	2,673	2,211
39	42	95.860	44.282,511	1.064.106,180	24,030	23,568	89	92	2.671	458,423	1.153,530	2,516	2,055
40	43	95.605	43.298,561	1.019.823,669	23,553	23,092	90	93	1.741	292,915	695,107	2,373	1,911
41	44	95.316	42.321,458	976.525,108	23,074	22,612	91	94	1.089	179,613	402,191	2,239	1,778
42	45	95.003	41.355,158	934.203,650	22,590	22,128	92	95	649	104,928	222,579	2,121	1,660
43	46	94.643	40.390,688	892.848,492	22,105	21,644	93	96	368	58,402	117,651	2,014	1,553
44	47	94.239	39.429,744	852.457,804	21,620	21,158	94	97	199	30,893	59,249	1,918	1,456
45	48	93.804	38.477,930	813.028,060	21,130	20,668	95	98	102	15,492	28,355	1,830	1,369
46	49	93.317	37.527,658	774.550,130	20,639	20,178	96	99	49	7,346	12,864	1,751	1,290
47	50	92.776	36.578,694	737.022,471	20,149	19,687	97	100	22	3,286	5,518	1,679	1,218
48	51	92.195	35.636,786	700.443,777	19,655	19,193	98	101	10	1,383	2,232	1,614	1,153
49	52	91.563	34.698,757	664.806,991	19,159	18,698	99	102	4	0,546	0,849	1,555	1,094
							100	103	1	0,202	0,303	1,502	1,040

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -4 Jahre

Zinsfuß 2,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	4	99.548	99.547,849	3.750.228,702	37,673	37,211	50	54	90.590	33.656,711	620.303,006	18,430	17,969
1	5	99.081	97.138,121	3.650.680,853	37,582	37,121	51	55	89.828	32.719,064	586.646,295	17,930	17,468
2	6	99.028	95.182,534	3.553.542,733	37,334	36,872	52	56	89.024	31.790,483	553.927,231	17,424	16,963
3	7	98.999	93.288,826	3.458.360,199	37,072	36,610	53	57	88.146	30.859,956	522.136,748	16,920	16,458
4	8	98.972	91.434,985	3.365.071,373	36,803	36,341	54	58	87.201	29.930,507	491.276,793	16,414	15,952
5	9	98.949	89.621,517	3.273.636,388	36,527	36,066	55	59	86.192	29.004,041	461.346,286	15,906	15,445
6	10	98.929	87.846,523	3.184.014,872	36,245	35,784	56	60	85.112	28.079,007	432.342,245	15,397	14,936
7	11	98.910	86.106,763	3.096.168,348	35,957	35,496	57	61	83.981	27.162,517	404.263,237	14,883	14,422
8	12	98.888	84.400,056	3.010.061,585	35,664	35,203	58	62	82.786	26.250,936	377.100,720	14,365	13,904
9	13	98.868	82.728,288	2.925.661,529	35,365	34,903	59	63	81.481	25.330,533	350.849,784	13,851	13,389
10	14	98.849	81.090,716	2.842.933,242	35,059	34,597	60	64	80.076	24.405,683	325.519,251	13,338	12,876
11	15	98.828	79.483,969	2.761.842,525	34,747	34,286	61	65	78.595	23.484,755	301.113,568	12,822	12,360
12	16	98.796	77.900,281	2.682.358,556	34,433	33,972	62	66	77.017	22.561,931	277.628,813	12,305	11,844
13	17	98.763	76.346,679	2.604.458,275	34,114	33,652	63	67	75.292	21.623,966	255.066,882	11,796	11,334
14	18	98.728	74.823,514	2.528.111,596	33,788	33,326	64	68	73.449	20.681,224	233.442,917	11,288	10,826
15	19	98.681	73.321,760	2.453.288,081	33,459	32,998	65	69	71.463	19.727,478	212.761,693	10,785	10,323
16	20	98.631	71.847,200	2.379.966,321	33,125	32,664	66	70	69.316	18.759,519	193.034,215	10,290	9,828
17	21	98.562	70.389,213	2.308.119,121	32,791	32,329	67	71	67.023	17.783,359	174.274,695	9,800	9,338
18	22	98.488	68.957,178	2.237.729,908	32,451	31,989	68	72	64.524	16.784,613	156.491,336	9,323	8,862
19	23	98.386	67.535,508	2.168.772,730	32,113	31,651	69	73	61.863	15.776,833	139.706,723	8,855	8,394
20	24	98.282	66.140,695	2.101.237,222	31,769	31,308	70	74	59.042	14.762,172	123.929,891	8,395	7,933
21	25	98.180	64.776,917	2.035.096,527	31,417	30,955	71	75	56.053	13.739,954	109.167,718	7,945	7,484
22	26	98.079	63.441,372	1.970.319,610	31,057	30,596	72	76	52.880	12.708,087	95.427,765	7,509	7,048
23	27	97.978	62.133,129	1.906.878,239	30,690	30,229	73	77	49.542	11.672,324	82.719,678	7,087	6,625
24	28	97.877	60.851,942	1.844.745,110	30,315	29,854	74	78	46.071	10.641,781	71.047,354	6,676	6,215
25	29	97.776	59.597,785	1.783.893,168	29,932	29,471	75	79	42.480	9.619,915	60.405,572	6,279	5,818
26	30	97.676	58.369,372	1.724.295,383	29,541	29,079	76	80	38.812	8.616,835	50.785,657	5,894	5,432
27	31	97.575	57.165,226	1.665.926,011	29,142	28,681	77	81	35.079	7.635,444	42.168,821	5,523	5,061
28	32	97.470	55.984,254	1.608.760,786	28,736	28,274	78	82	31.311	6.681,546	34.533,377	5,168	4,707
29	33	97.364	54.826,678	1.552.776,532	28,322	27,860	79	83	27.509	5.755,273	27.851,831	4,839	4,378
30	34	97.256	53.692,376	1.497.949,854	27,899	27,437	80	84	23.837	4.889,278	22.096,558	4,519	4,058
31	35	97.140	52.576,468	1.444.257,478	27,470	27,008	81	85	20.293	4.080,592	17.207,280	4,217	3,755
32	36	97.013	51.478,484	1.391.681,011	27,034	26,573	82	86	17.009	3.353,285	13.126,687	3,915	3,453
33	37	96.879	50.399,240	1.340.202,527	26,592	26,130	83	87	13.859	2.678,632	9.773,403	3,649	3,187
34	38	96.735	49.337,403	1.289.803,287	26,143	25,681	84	88	10.980	2.080,505	7.094,770	3,410	2,949
35	39	96.575	48.290,002	1.240.465,885	25,688	25,226	85	89	8.484	1.576,107	5.014,265	3,181	2,720
36	40	96.396	47.255,747	1.192.175,883	25,228	24,767	86	90	6.387	1.163,220	3.438,158	2,956	2,494
37	41	96.204	46.236,606	1.144.920,135	24,762	24,301	87	91	4.635	827,626	2.274,939	2,749	2,287
38	42	95.993	45.230,487	1.098.683,529	24,291	23,829	88	92	3.201	560,326	1.447,313	2,583	2,121
39	43	95.753	44.232,707	1.053.453,043	23,816	23,355	89	93	2.122	364,268	886,986	2,435	1,973
40	44	95.481	43.242,359	1.009.220,335	23,339	22,877	90	94	1.351	227,305	522,718	2,300	1,838
41	45	95.184	42.262,546	965.977,977	22,857	22,395	91	95	824	135,942	295,413	2,173	1,711
42	46	94.852	41.289,568	923.715,430	22,372	21,910	92	96	478	77,355	159,472	2,062	1,600
43	47	94.473	40.318,147	882.425,862	21,887	21,425	93	97	264	41,884	82,116	1,961	1,499
44	48	94.056	39.353,067	842.107,715	21,399	20,937	94	98	138	21,525	40,232	1,869	1,408
45	49	93.605	38.396,360	802.754,648	20,907	20,445	95	99	69	10,473	18,708	1,786	1,325
46	50	93.092	37.437,340	764.358,288	20,417	19,955	96	100	32	4,812	8,235	1,711	1,250
47	51	92.542	36.486,273	726.920,948	19,923	19,462	97	101	14	2,083	3,423	1,643	1,182
48	52	91.939	35.537,814	690.434,676	19,428	18,967	98	102	6	0,847	1,340	1,582	1,120
49	53	91.287	34.593,856	654.896,861	18,931	18,469	99	103	2	0,323	0,493	1,526	1,064
							100	104	1	0,115	0,170	1,475	1,013

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -5 Jahre

Zinsfuß 2,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	5	99.535	99.534,992	3.738.108,393	37,556	37,094	50	55	90.275	33.539,645	609.880,554	18,184	17,722
1	6	99.068	97.125,423	3.638.573,402	37,463	37,001	51	56	89.487	32.595,161	576.340,909	17,682	17,220
2	7	99.019	95.173,764	3.541.447,979	37,210	36,749	52	57	88.666	31.662,853	543.745,748	17,173	16,711
3	8	98.990	93.280,701	3.446.274,215	36,945	36,484	53	58	87.753	30.722,225	512.082,895	16,668	16,207
4	9	98.963	91.426,208	3.352.993,514	36,674	36,213	54	59	86.781	29.786,373	481.360,671	16,160	15,699
5	10	98.943	89.615,726	3.261.567,307	36,395	35,933	55	60	85.754	28.856,591	451.574,298	15,649	15,187
6	11	98.921	87.839,136	3.171.951,581	36,111	35,649	56	61	84.644	27.924,453	422.717,707	15,138	14,676
7	12	98.900	86.098,688	3.084.112,445	35,821	35,359	57	62	83.508	27.009,664	394.793,254	14,617	14,155
8	13	98.880	84.392,888	2.998.013,757	35,524	35,063	58	63	82.265	26.085,742	367.783,589	14,099	13,637
9	14	98.858	82.720,272	2.913.620,869	35,223	34,761	59	64	80.926	25.158,239	341.697,848	13,582	13,120
10	15	98.838	81.081,267	2.830.900,597	34,914	34,453	60	65	79.490	24.227,208	316.539,609	13,065	12,604
11	16	98.811	79.469,768	2.749.819,329	34,602	34,140	61	66	77.953	23.292,946	292.312,401	12,549	12,088
12	17	98.775	77.883,784	2.670.349,562	34,286	33,825	62	67	76.320	22.357,597	269.019,454	12,033	11,571
13	18	98.741	76.329,882	2.592.465,778	33,964	33,502	63	68	74.526	21.404,158	246.661,857	11,524	11,062
14	19	98.700	74.801,996	2.516.135,896	33,637	33,176	64	69	72.609	20.444,681	225.257,699	11,018	10,556
15	20	98.654	73.301,435	2.441.333,901	33,305	32,844	65	70	70.552	19.475,792	204.813,018	10,516	10,055
16	21	98.600	71.824,507	2.368.032,466	32,970	32,508	66	71	68.331	18.492,880	185.337,227	10,022	9,560
17	22	98.538	70.371,990	2.296.207,959	32,630	32,168	67	72	65.937	17.495,051	166.844,346	9,537	9,075
18	23	98.461	68.938,509	2.225.835,969	32,287	31,826	68	73	63.361	16.482,001	149.349,296	9,061	8,600
19	24	98.361	67.517,888	2.156.897,460	31,946	31,484	69	74	60.603	15.455,421	132.867,295	8,597	8,135
20	25	98.255	66.122,726	2.089.379,572	31,599	31,137	70	75	57.698	14.426,160	117.411,873	8,139	7,677
21	26	98.156	64.760,977	2.023.256,846	31,242	30,780	71	76	54.600	13.383,711	102.985,713	7,695	7,233
22	27	98.052	63.423,611	1.958.495,869	30,880	30,418	72	77	51.349	12.340,209	89.602,003	7,261	6,799
23	28	97.949	62.115,021	1.895.072,258	30,509	30,047	73	78	47.930	11.292,594	77.261,794	6,842	6,380
24	29	97.847	60.833,880	1.832.957,237	30,131	29,669	74	79	44.363	10.247,375	65.969,200	6,438	5,976
25	30	97.748	59.580,340	1.772.123,357	29,743	29,282	75	80	40.693	9.215,243	55.721,825	6,047	5,585
26	31	97.644	58.350,260	1.712.543,017	29,349	28,888	76	81	36.921	8.197,072	46.506,583	5,674	5,212
27	32	97.540	57.144,806	1.654.192,757	28,947	28,486	77	82	33.124	7.209,815	38.309,511	5,314	4,852
28	33	97.435	55.964,347	1.597.047,951	28,537	28,075	78	83	29.287	6.249,757	31.099,696	4,976	4,515
29	34	97.325	54.804,770	1.541.083,604	28,120	27,658	79	84	25.538	5.342,862	24.849,939	4,651	4,189
30	35	97.211	53.667,204	1.486.278,834	27,694	27,233	80	85	21.922	4.496,368	19.507,077	4,338	3,877
31	36	97.090	52.549,551	1.432.611,629	27,262	26,800	81	86	18.531	3.726,297	15.010,708	4,028	3,567
32	37	96.958	51.449,375	1.380.062,079	26,824	26,362	82	87	15.294	3.015,225	11.284,412	3,742	3,281
33	38	96.820	50.368,334	1.328.612,704	26,378	25,916	83	88	12.225	2.362,881	8.269,187	3,500	3,038
34	39	96.667	49.302,890	1.278.244,370	25,926	25,465	84	89	9.535	1.806,862	5.906,305	3,269	2,807
35	40	96.497	48.251,357	1.228.941,479	25,470	25,008	85	90	7.226	1.342,489	4.099,443	3,054	2,592
36	41	96.313	47.214,636	1.180.690,122	25,007	24,545	86	91	5.343	973,077	2.756,954	2,833	2,372
37	42	96.109	46.190,902	1.133.475,486	24,539	24,077	87	92	3.766	672,529	1.783,877	2,652	2,191
38	43	95.885	45.179,617	1.087.284,585	24,066	23,604	88	93	2.543	445,241	1.111,348	2,496	2,034
39	44	95.628	44.175,292	1.042.104,968	23,590	23,129	89	94	1.647	282,675	666,107	2,356	1,895
40	45	95.348	43.182,165	997.929,675	23,110	22,648	90	95	1.022	172,038	383,432	2,229	1,767
41	46	95.033	42.195,518	954.747,510	22,627	22,165	91	96	608	100,219	211,394	2,109	1,648
42	47	94.682	41.215,413	912.551,993	22,141	21,679	92	97	343	55,477	111,174	2,004	1,542
43	48	94.289	40.239,743	871.336,580	21,654	21,192	93	98	184	29,182	55,698	1,909	1,447
44	49	93.857	39.269,641	831.096,837	21,164	20,702	94	99	94	14,551	26,515	1,822	1,361
45	50	93.379	38.303,950	791.827,196	20,672	20,211	95	100	45	6,860	11,964	1,744	1,282
46	51	92.857	37.342,750	753.523,246	20,179	19,717	96	101	20	3,051	5,104	1,673	1,211
47	52	92.285	36.384,942	716.180,496	19,683	19,222	97	102	9	1,276	2,053	1,609	1,147
48	53	91.661	35.430,376	679.795,554	19,187	18,725	98	103	3	0,501	0,777	1,550	1,089
49	54	90.998	34.484,624	644.365,178	18,686	18,224	99	104	1	0,184	0,276	1,497	1,036
							100	105	0	0,063	0,092	1,449	0,988

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -6 Jahre

Zinsfuß 2,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	6	99.522	99.521,980	3.725.219,901	37,431	36,970	50	56	89.933	33.412,635	598.833,884	17,922	17,461
1	7	99.059	97.116,473	3.625.697,921	37,334	36,872	51	57	89.128	32.464,301	565.421,249	17,417	16,955
2	8	99.010	95.165,475	3.528.581,448	37,078	36,617	52	58	88.271	31.521,539	532.956,948	16,908	16,446
3	9	98.981	93.271,747	3.433.415,973	36,811	36,349	53	59	87.330	30.574,278	501.435,409	16,401	15,939
4	10	98.956	91.420,300	3.340.144,226	36,536	36,075	54	60	86.340	29.634,945	470.861,131	15,889	15,427
5	11	98.935	89.608,190	3.248.723,926	36,255	35,793	55	61	85.282	28.697,757	441.226,186	15,375	14,913
6	12	98.912	87.830,899	3.159.115,736	35,968	35,507	56	62	84.167	27.767,313	412.528,429	14,857	14,395
7	13	98.892	86.091,376	3.071.284,838	35,675	35,213	57	63	82.983	26.839,695	384.761,116	14,336	13,874
8	14	98.870	84.384,711	2.985.193,462	35,376	34,914	58	64	81.705	25.908,311	357.921,421	13,815	13,353
9	15	98.847	82.710,633	2.900.808,751	35,072	34,610	59	65	80.335	24.974,261	332.013,110	13,294	12,833
10	16	98.820	81.066,781	2.818.098,118	34,763	34,301	60	66	78.841	24.029,336	307.038,849	12,778	12,316
11	17	98.790	79.452,938	2.737.031,337	34,448	33,987	61	67	77.247	23.081,992	283.009,514	12,261	11,799
12	18	98.754	77.866,648	2.657.578,399	34,130	33,668	62	68	75.544	22.130,332	259.927,522	11,745	11,284
13	19	98.712	76.307,930	2.579.711,751	33,807	33,345	63	69	73.674	21.159,347	237.797,190	11,238	10,777
14	20	98.672	74.781,260	2.503.403,821	33,476	33,015	64	70	71.683	20.183,844	216.637,843	10,733	10,272
15	21	98.623	73.278,282	2.428.622,561	33,142	32,681	65	71	69.549	19.198,972	196.453,999	10,233	9,771
16	22	98.576	71.806,933	2.355.344,279	32,801	32,339	66	72	67.223	18.193,069	177.255,027	9,743	9,281
17	23	98.511	70.352,938	2.283.537,346	32,458	31,997	67	73	64.748	17.179,630	159.061,959	9,259	8,797
18	24	98.435	68.920,522	2.213.184,408	32,112	31,651	68	74	62.070	16.146,224	141.882,328	8,787	8,326
19	25	98.334	67.499,545	2.144.263,886	31,767	31,305	69	75	59.223	15.103,630	125.736,104	8,325	7,863
20	26	98.231	66.106,455	2.076.764,341	31,415	30,954	70	76	56.202	14.052,125	110.632,475	7,873	7,411
21	27	98.129	64.742,847	2.010.657,886	31,056	30,594	71	77	53.019	12.996,274	96.580,350	7,431	6,970
22	28	98.023	63.405,127	1.945.915,039	30,690	30,229	72	78	49.679	11.938,751	83.584,075	7,001	6,539
23	29	97.920	62.096,584	1.882.509,912	30,316	29,854	73	79	46.153	10.874,067	71.645,325	6,589	6,127
24	30	97.819	60.816,074	1.820.413,327	29,933	29,471	74	80	42.497	9.816,307	60.771,258	6,191	5,729
25	31	97.716	59.560,832	1.759.597,254	29,543	29,081	75	81	38.711	8.766,328	50.954,951	5,813	5,351
26	32	97.610	58.329,417	1.700.036,422	29,145	28,684	76	82	34.863	7.740,135	42.188,623	5,451	4,989
27	33	97.505	57.124,486	1.641.707,005	28,739	28,278	77	83	30.983	6.743,887	34.448,488	5,108	4,646
28	34	97.396	55.941,985	1.584.582,518	28,325	27,864	78	84	27.188	5.801,913	27.704,601	4,775	4,313
29	35	97.279	54.779,077	1.528.640,533	27,906	27,444	79	85	23.486	4.913,502	21.902,688	4,458	3,996
30	36	97.161	53.639,729	1.473.861,457	27,477	27,015	80	86	20.018	4.105,973	16.989,187	4,138	3,676
31	37	97.035	52.519,836	1.420.221,728	27,042	26,580	81	87	16.663	3.350,632	12.883,214	3,845	3,383
32	38	96.899	51.417,825	1.367.701,892	26,600	26,138	82	88	13.492	2.659,797	9.532,582	3,584	3,122
33	39	96.752	50.333,101	1.316.284,067	26,151	25,690	83	89	10.617	2.052,099	6.872,784	3,349	2,888
34	40	96.590	49.263,435	1.265.950,966	25,698	25,236	84	90	8.122	1.539,041	4.820,686	3,132	2,671
35	41	96.413	48.209,379	1.216.687,531	25,238	24,776	85	91	6.045	1.123,043	3.281,645	2,922	2,460
36	42	96.217	47.167,965	1.168.478,151	24,773	24,311	86	92	4.341	790,723	2.158,602	2,730	2,268
37	43	96.001	46.138,952	1.121.310,186	24,303	23,841	87	93	2.993	534,398	1.367,879	2,560	2,098
38	44	95.760	45.120,973	1.075.171,234	23,829	23,367	88	94	1.974	345,511	833,481	2,412	1,951
39	45	95.495	44.113,800	1.030.050,261	23,350	22,888	89	95	1.247	213,945	487,970	2,281	1,819
40	46	95.197	43.113,678	985.936,461	22,868	22,407	90	96	754	126,830	274,025	2,161	1,699
41	47	94.862	42.119,735	942.822,783	22,384	21,923	91	97	436	71,874	147,194	2,048	1,586
42	48	94.498	41.135,263	900.703,048	21,896	21,435	92	98	239	38,653	75,321	1,949	1,487
43	49	94.089	40.154,437	859.567,785	21,407	20,945	93	99	124	19,728	36,668	1,859	1,397
44	50	93.631	39.175,130	819.413,347	20,917	20,455	94	100	61	9,532	16,939	1,777	1,315
45	51	93.144	38.207,170	780.238,218	20,421	19,960	95	101	29	4,349	7,407	1,703	1,242
46	52	92.599	37.239,040	742.031,047	19,926	19,465	96	102	13	1,869	3,058	1,636	1,174
47	53	92.006	36.274,942	704.792,008	19,429	18,968	97	103	5	0,755	1,189	1,575	1,114
48	54	91.371	35.318,503	668.517,065	18,928	18,467	98	104	2	0,286	0,434	1,520	1,058
49	55	90.682	34.364,678	633.198,562	18,426	17,964	99	105	1	0,101	0,149	1,470	1,008
							100	106					

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -7 Jahre

Zinsfuß 2,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	7	99.513	99.512,810	3.711.545,357	37,297	36,836	50	57	89.572	33.278,493	587.158,290	17,644	17,182
1	8	99.050	97.108,015	3.612.032,547	37,196	36,734	51	58	88.730	32.319,410	553.879,797	17,138	16,676
2	9	99.001	95.156,340	3.514.924,532	36,938	36,477	52	59	87.846	31.369,743	521.560,388	16,626	16,165
3	10	98.974	93.265,720	3.419.768,193	36,667	36,205	53	60	86.886	30.418,845	490.190,645	16,115	15,653
4	11	98.948	91.412,612	3.326.502,473	36,390	35,928	54	61	85.865	29.471,827	459.771,800	15,600	15,139
5	12	98.925	89.599,786	3.235.089,860	36,106	35,644	55	62	84.802	28.536,264	430.299,973	15,079	14,617
6	13	98.903	87.823,439	3.145.490,074	35,816	35,354	56	63	83.638	27.592,576	401.763,709	14,561	14,099
7	14	98.882	86.083,034	3.057.666,635	35,520	35,058	57	64	82.418	26.657,136	374.171,133	14,036	13,575
8	15	98.859	84.374,878	2.971.583,600	35,219	34,757	58	65	81.108	25.718,848	347.513,997	13,512	13,050
9	16	98.829	82.695,855	2.887.208,722	34,914	34,452	59	66	79.679	24.770,287	321.795,149	12,991	12,530
10	17	98.799	81.049,613	2.804.512,867	34,602	34,141	60	67	78.127	23.811,712	297.024,862	12,474	12,012
11	18	98.768	79.435,457	2.723.463,254	34,285	33,824	61	68	76.462	22.847,363	273.213,150	11,958	11,497
12	19	98.725	77.844,254	2.644.027,797	33,966	33,504	62	69	74.680	21.877,215	250.365,786	11,444	10,983
13	20	98.685	76.286,777	2.566.183,543	33,639	33,177	63	70	72.734	20.889,392	228.488,571	10,938	10,476
14	21	98.641	74.757,640	2.489.896,767	33,306	32,845	64	71	70.664	19.896,960	207.599,179	10,434	9,972
15	22	98.599	73.260,353	2.415.139,127	32,967	32,505	65	72	68.421	18.887,713	187.702,219	9,938	9,476
16	23	98.549	71.787,492	2.341.878,773	32,622	32,161	66	73	66.011	17.865,064	168.814,506	9,449	8,988
17	24	98.485	70.334,582	2.270.091,281	32,276	31,814	67	74	63.429	16.829,641	150.949,443	8,969	8,508
18	25	98.409	68.901,798	2.199.756,699	31,926	31,464	68	75	60.657	15.778,708	134.119,802	8,500	8,038
19	26	98.310	67.482,935	2.130.854,901	31,576	31,115	69	76	57.688	14.712,030	118.341,094	8,044	7,582
20	27	98.203	66.087,948	2.063.371,965	31,222	30,760	70	77	54.575	13.645,339	103.629,064	7,594	7,133
21	28	98.100	64.723,979	1.997.284,017	30,858	30,397	71	78	51.294	12.573,473	89.983,724	7,157	6,695
22	29	97.994	63.386,307	1.932.560,038	30,489	30,027	72	79	47.838	11.496,275	77.410,251	6,734	6,272
23	30	97.891	62.078,408	1.869.173,731	30,110	29,648	73	80	44.212	10.416,637	65.913,976	6,328	5,866
24	31	97.787	60.796,161	1.807.095,323	29,724	29,262	74	81	40.427	9.338,112	55.497,339	5,943	5,481
25	32	97.681	59.539,556	1.746.299,162	29,330	28,868	75	82	36.553	8.277,659	46.159,228	5,576	5,115
26	33	97.575	58.308,677	1.686.759,606	28,928	28,466	76	83	32.610	7.239,936	37.881,569	5,232	4,771
27	34	97.466	57.101,661	1.628.450,929	28,518	28,057	77	84	28.763	6.260,634	30.641,633	4,894	4,433
28	35	97.351	55.915,758	1.571.349,268	28,102	27,640	78	85	25.004	5.335,662	24.380,999	4,569	4,108
29	36	97.229	54.751,032	1.515.433,510	27,679	27,217	79	86	21.447	4.486,889	19.045,337	4,245	3,783
30	37	97.106	53.609,398	1.460.682,478	27,247	26,785	80	87	18.000	3.692,032	14.558,449	3,943	3,482
31	38	96.976	52.487,630	1.407.073,080	26,808	26,346	81	88	14.698	2.955,667	10.866,417	3,676	3,215
32	39	96.831	51.381,858	1.354.585,450	26,363	25,901	82	89	11.717	2.309,962	7.910,750	3,425	2,963
33	40	96.674	50.292,821	1.303.203,592	25,912	25,451	83	90	9.044	1.747,927	5.600,787	3,204	2,743
34	41	96.506	49.220,577	1.252.910,771	25,455	24,993	84	91	6.794	1.287,466	3.852,861	2,993	2,531
35	42	96.318	48.161,725	1.203.690,194	24,993	24,531	85	92	4.912	912,585	2.565,395	2,811	2,350
36	43	96.109	47.114,916	1.155.528,469	24,526	24,064	86	93	3.450	628,316	1.652,810	2,631	2,169
37	44	95.876	46.079,063	1.108.413,553	24,055	23,593	87	94	2.322	414,698	1.024,494	2,470	2,009
38	45	95.627	45.058,164	1.062.334,490	23,577	23,115	88	95	1.494	261,503	609,796	2,332	1,870
39	46	95.344	44.043,835	1.017.276,326	23,097	22,635	89	96	919	157,726	348,292	2,208	1,747
40	47	95.026	43.036,246	973.232,491	22,614	22,153	90	97	541	90,958	190,567	2,095	1,633
41	48	94.678	42.037,827	930.196,244	22,128	21,666	91	98	304	50,078	99,609	1,989	1,527
42	49	94.297	41.048,059	888.158,417	21,637	21,175	92	99	162	26,131	49,531	1,896	1,434
43	50	93.863	40.057,797	847.110,358	21,147	20,686	93	100	82	12,923	23,400	1,811	1,349
44	51	93.394	39.076,149	807.052,561	20,653	20,192	94	101	39	6,043	10,477	1,734	1,272
45	52	92.885	38.101,060	767.976,412	20,156	19,695	95	102	17	2,665	4,434	1,664	1,202
46	53	92.319	37.126,458	729.875,352	19,659	19,198	96	103	7	1,105	1,769	1,601	1,139
47	54	91.715	36.160,403	692.748,894	19,158	18,696	97	104	3	0,430	0,664	1,543	1,082
48	55	91.054	35.195,657	656.588,491	18,655	18,194	98	105	1	0,157	0,234	1,491	1,029
49	56	90.339	34.234,544	621.392,834	18,151	17,689	99	106					
							100	107					

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -8 Jahre

Zinsfuß 2,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	8	99.504	99.504,143	3.697.065,204	37,155	36,693	50	58	89.172	33.129,968	574.848,877	17,351	16,890
1	9	99.041	97.098,693	3.597.561,061	37,051	36,589	51	59	88.303	32.163,771	541.718,909	16,843	16,381
2	10	98.994	95.150,191	3.500.462,368	36,789	36,327	52	60	87.399	31.210,266	509.555,138	16,327	15,865
3	11	98.966	93.257,877	3.405.312,176	36,515	36,053	53	61	86.408	30.251,412	478.344,872	15,812	15,351
4	12	98.939	91.404,040	3.312.054,299	36,235	35,774	54	62	85.382	29.305,979	448.093,460	15,290	14,829
5	13	98.917	89.592,177	3.220.650,260	35,948	35,486	55	63	84.268	28.356,689	418.787,481	14,769	14,307
6	14	98.894	87.814,930	3.131.058,083	35,655	35,194	56	64	83.069	27.404,896	390.430,793	14,247	13,785
7	15	98.871	86.073,004	3.043.243,153	35,357	34,895	57	65	81.816	26.462,197	363.025,897	13,719	13,257
8	16	98.841	84.359,803	2.957.170,149	35,054	34,593	58	66	80.445	25.508,793	336.563,700	13,194	12,732
9	17	98.808	82.678,342	2.872.810,346	34,747	34,285	59	67	78.957	24.545,953	311.054,907	12,672	12,211
10	18	98.777	81.031,780	2.790.132,004	34,433	33,971	60	68	77.333	23.569,666	286.508,954	12,156	11,694
11	19	98.740	79.412,612	2.709.100,224	34,114	33,653	61	69	75.588	22.586,045	262.939,288	11,642	11,180
12	20	98.698	77.822,675	2.629.687,612	33,791	33,329	62	70	73.727	21.598,102	240.353,243	11,128	10,667
13	21	98.654	76.262,681	2.551.864,937	33,462	33,000	63	71	71.700	20.592,480	218.755,142	10,623	10,161
14	22	98.617	74.739,349	2.475.602,256	33,123	32,662	64	72	69.518	19.574,385	198.162,662	10,124	9,662
15	23	98.572	73.240,519	2.400.862,907	32,781	32,319	65	73	67.188	18.547,184	178.588,277	9,629	9,167
16	24	98.523	71.768,762	2.327.622,388	32,432	31,971	66	74	64.666	17.501,110	160.041,092	9,145	8,683
17	25	98.459	70.315,474	2.255.853,626	32,082	31,620	67	75	61.985	16.446,569	142.539,982	8,667	8,205
18	26	98.385	68.884,844	2.185.538,152	31,727	31,266	68	76	59.085	15.369,605	126.093,413	8,204	7,742
19	27	98.282	67.464,043	2.116.653,308	31,375	30,913	69	77	56.018	14.286,141	110.723,807	7,750	7,289
20	28	98.175	66.068,688	2.049.189,265	31,016	30,554	70	78	52.800	13.201,422	96.437,667	7,305	6,843
21	29	98.071	64.704,767	1.983.120,577	30,649	30,187	71	79	49.393	12.107,473	83.236,244	6,875	6,413
22	30	97.965	63.367,753	1.918.415,810	30,274	29,813	72	80	45.825	11.012,671	71.128,771	6,459	5,997
23	31	97.859	62.058,083	1.855.048,057	29,892	29,431	73	81	42.058	9.909,197	60.116,099	6,067	5,605
24	32	97.752	60.774,444	1.792.989,974	29,502	29,041	74	82	38.173	8.817,569	50.206,903	5,694	5,232
25	33	97.646	59.518,386	1.732.215,530	29,104	28,642	75	83	34.191	7.742,722	41.389,334	5,346	4,884
26	34	97.536	58.285,378	1.672.697,144	28,698	28,237	76	84	30.273	6.721,137	33.646,611	5,006	4,544
27	35	97.420	57.074,890	1.614.411,766	28,286	27,824	77	85	26.451	5.757,520	26.925,474	4,677	4,215
28	36	97.301	55.887,132	1.557.336,876	27,866	27,404	78	86	22.833	4.872,395	21.167,955	4,344	3,883
29	37	97.174	54.720,073	1.501.449,744	27,439	26,977	79	87	19.284	4.034,546	16.295,559	4,039	3,577
30	38	97.046	53.576,523	1.446.729,671	27,003	26,541	80	88	15.878	3.256,824	12.261,014	3,765	3,303
31	39	96.908	52.450,914	1.393.153,148	26,561	26,099	81	89	12.765	2.566,917	9.004,190	3,508	3,046
32	40	96.754	51.340,739	1.340.702,234	26,114	25,652	82	90	9.980	1.967,568	6.437,273	3,272	2,810
33	41	96.590	50.249,067	1.289.361,495	25,659	25,198	83	91	7.565	1.462,207	4.469,705	3,057	2,595
34	42	96.410	49.171,923	1.239.112,428	25,200	24,738	84	92	5.521	1.046,195	3.007,497	2,875	2,413
35	43	96.210	48.107,559	1.189.940,504	24,735	24,273	85	93	3.903	725,149	1.961,302	2,705	2,243
36	44	95.984	47.053,760	1.141.832,946	24,267	23,805	86	94	2.677	487,579	1.236,153	2,535	2,074
37	45	95.743	46.014,920	1.094.779,185	23,792	23,330	87	95	1.758	313,868	748,574	2,385	1,923
38	46	95.475	44.986,702	1.048.764,265	23,313	22,851	88	96	1.101	192,786	434,706	2,255	1,793
39	47	95.172	43.964,733	1.003.777,563	22,831	22,370	89	97	659	113,115	241,920	2,139	1,677
40	48	94.841	42.952,556	959.812,830	22,346	21,884	90	98	377	63,375	128,805	2,032	1,571
41	49	94.477	41.948,710	916.860,274	21,857	21,395	91	99	205	33,854	65,430	1,933	1,471
42	50	94.070	40.949,268	874.911,564	21,366	20,904	92	100	106	17,117	31,576	1,845	1,383
43	51	93.626	39.956,586	833.962,296	20,872	20,410	93	101	52	8,193	14,459	1,765	1,303
44	52	93.135	38.967,625	794.005,710	20,376	19,914	94	102	24	3,702	6,266	1,692	1,231
45	53	92.604	37.985,872	755.038,086	19,877	19,415	95	103	10	1,576	2,563	1,627	1,165
46	54	92.028	37.009,230	717.052,213	19,375	18,913	96	104	4	0,630	0,987	1,567	1,105
47	55	91.396	36.034,628	680.042,983	18,872	18,410	97	105	2	0,236	0,357	1,512	1,051
48	56	90.709	35.062,376	644.008,355	18,368	17,906	98	106					
49	57	89.976	34.097,102	608.945,979	17,859	17,398	99	107					
							100	108					

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -9 Jahre

Zinsfuß 2,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	9	99.495	99.494,592	3.681.765,606	37,005	36,543	50	59	88.743	32.970,426	561.910,802	17,043	16,581
1	10	99.034	97.092,419	3.582.271,014	36,895	36,434	51	60	87.854	32.000,258	528.940,376	16,529	16,068
2	11	98.986	95.142,190	3.485.178,595	36,631	36,170	52	61	86.918	31.038,476	496.940,118	16,010	15,549
3	12	98.957	93.249,131	3.390.036,405	36,355	35,893	53	62	85.922	30.081,177	465.901,642	15,488	15,027
4	13	98.930	91.396,277	3.296.787,274	36,071	35,610	54	63	84.845	29.121,559	435.820,465	14,966	14,504
5	14	98.907	89.583,496	3.205.390,997	35,781	35,319	55	64	83.695	28.163,811	406.698,905	14,440	13,979
6	15	98.882	87.804,698	3.115.807,501	35,486	35,024	56	65	82.461	27.204,489	378.535,094	13,914	13,453
7	16	98.853	86.057,625	3.028.002,803	35,186	34,724	57	66	81.147	26.246,071	351.330,606	13,386	12,924
8	17	98.820	84.341,938	2.941.945,178	34,881	34,420	58	67	79.717	25.277,770	325.084,535	12,860	12,399
9	18	98.787	82.660,151	2.857.603,240	34,571	34,109	59	68	78.154	24.296,443	299.806,765	12,340	11,878
10	19	98.749	81.008,476	2.774.943,089	34,255	33,793	60	69	76.448	23.300,086	275.510,322	11,824	11,363
11	20	98.712	79.390,598	2.693.934,613	33,933	33,471	61	70	74.623	22.297,888	252.210,235	11,311	10,849
12	21	98.667	77.798,094	2.614.544,015	33,607	33,145	62	71	72.679	21.291,116	229.912,347	10,799	10,337
13	22	98.630	76.244,022	2.536.745,920	33,271	32,810	63	72	70.538	20.258,629	208.621,231	10,298	9,836
14	23	98.590	74.719,114	2.460.501,898	32,930	32,468	64	73	68.265	19.221,477	188.362,602	9,800	9,338
15	24	98.546	73.221,410	2.385.782,785	32,583	32,122	65	74	65.819	18.169,334	169.141,125	9,309	8,848
16	25	98.496	71.749,264	2.312.561,375	32,231	31,770	66	75	63.194	17.102,755	150.971,791	8,827	8,366
17	26	98.434	70.298,172	2.240.812,110	31,876	31,414	67	76	60.378	16.020,150	133.869,036	8,356	7,895
18	27	98.357	68.865,559	2.170.513,939	31,518	31,057	68	77	57.374	14.924,681	117.848,886	7,896	7,435
19	28	98.254	67.444,382	2.101.648,380	31,161	30,700	69	78	54.195	13.821,377	102.924,205	7,447	6,985
20	29	98.145	66.049,077	2.034.203,998	30,798	30,337	70	79	50.843	12.712,150	89.102,828	7,009	6,548
21	30	98.042	64.685,828	1.968.154,921	30,426	29,965	71	80	47.315	11.598,159	76.390,678	6,586	6,125
22	31	97.933	63.347,005	1.903.469,093	30,048	29,587	72	81	43.593	10.476,196	64.792,520	6,185	5,723
23	32	97.824	62.035,915	1.840.122,088	29,662	29,201	73	82	39.714	9.356,820	54.316,324	5,805	5,343
24	33	97.717	60.752,834	1.778.086,173	29,268	28,806	74	83	35.707	8.247,741	44.959,504	5,451	4,990
25	34	97.607	59.494,603	1.717.333,338	28,865	28,404	75	84	31.741	7.187,895	36.711,763	5,107	4,646
26	35	97.490	58.258,052	1.657.838,735	28,457	27,995	76	85	27.840	6.181,016	29.523,868	4,777	4,315
27	36	97.370	57.045,671	1.599.580,682	28,040	27,579	77	86	24.155	5.257,625	23.342,852	4,440	3,978
28	37	97.246	55.855,530	1.542.535,012	27,617	27,155	78	87	20.531	4.381,187	18.085,226	4,128	3,666
29	38	97.115	54.686,517	1.486.679,482	27,185	26,724	79	88	17.011	3.558,963	13.704,039	3,851	3,389
30	39	96.979	53.539,046	1.431.992,964	26,747	26,285	80	89	13.790	2.828,463	10.145,076	3,587	3,125
31	40	96.830	52.408,940	1.378.453,919	26,302	25,840	81	90	10.873	2.186,436	7.316,613	3,346	2,885
32	41	96.670	51.296,073	1.326.044,979	25,851	25,389	82	91	8.349	1.645,946	5.130,177	3,117	2,655
33	42	96.495	50.199,397	1.274.748,906	25,394	24,932	83	92	6.148	1.188,190	3.484,231	2,932	2,471
34	43	96.302	49.116,621	1.224.549,509	24,931	24,470	84	93	4.387	831,317	2.296,041	2,762	2,300
35	44	96.085	48.045,114	1.175.432,888	24,465	24,004	85	94	3.029	562,722	1.464,724	2,603	2,141
36	45	95.851	46.988,261	1.127.387,774	23,993	23,531	86	95	2.026	369,029	902,002	2,444	1,983
37	46	95.591	45.941,940	1.080.399,513	23,517	23,055	87	96	1.296	231,391	532,973	2,303	1,842
38	47	95.304	44.905,906	1.034.457,572	23,036	22,575	88	97	790	138,260	301,582	2,181	1,720
39	48	94.987	43.879,237	989.551,666	22,552	22,090	89	98	459	78,812	163,322	2,072	1,611
40	49	94.640	42.861,500	945.672,429	22,063	21,602	90	99	255	42,843	84,510	1,973	1,511
41	50	94.250	41.847,751	902.810,929	21,574	21,112	91	100	134	22,177	41,667	1,879	1,417
42	51	93.833	40.845,804	860.963,178	21,078	20,617	92	101	67	10,852	19,490	1,796	1,334
43	52	93.366	39.845,616	820.117,374	20,582	20,121	93	102	32	5,020	8,639	1,721	1,259
44	53	92.853	38.849,818	780.271,757	20,084	19,623	94	103	14	2,190	3,619	1,653	1,191
45	54	92.312	37.865,930	741.421,939	19,580	19,119	95	104	6	0,898	1,429	1,591	1,129
46	55	91.707	36.880,503	703.556,009	19,077	18,615	96	105	2	0,346	0,531	1,534	1,073
47	56	91.050	35.898,170	666.675,506	18,571	18,110	97	106					
48	57	90.345	34.921,610	630.777,336	18,063	17,601	98	107					
49	58	89.574	33.944,924	595.855,725	17,554	17,092	99	108					
							100	109					

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -10 Jahre

Zinsfuß 2,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	10	99.488	99.488,163	3.665.636,431	36,845	36,383	50	60	88.292	32.802,812	548.348,466	16,717	16,255
1	11	99.026	97.084,255	3.566.148,268	36,733	36,271	51	61	87.371	31.824,120	515.545,655	16,200	15,738
2	12	98.977	95.133,267	3.469.064,013	36,465	36,004	52	62	86.429	30.863,812	483.721,534	15,673	15,211
3	13	98.948	93.241,212	3.373.930,746	36,185	35,723	53	63	85.381	29.891,879	452.857,722	15,150	14,688
4	14	98.921	91.387,421	3.280.689,534	35,899	35,437	54	64	84.267	28.923,479	422.965,843	14,624	14,162
5	15	98.896	89.573,058	3.189.302,113	35,606	35,144	55	65	83.083	27.957,854	394.042,364	14,094	13,633
6	16	98.865	87.789,009	3.099.729,055	35,309	34,847	56	66	81.788	26.982,299	366.084,510	13,568	13,106
7	17	98.832	86.039,400	3.011.940,046	35,007	34,545	57	67	80.412	26.008,371	339.102,210	13,038	12,577
8	18	98.798	84.323,381	2.925.900,645	34,699	34,237	58	68	78.906	25.020,822	313.093,839	12,513	12,052
9	19	98.758	82.636,379	2.841.577,265	34,387	33,925	59	69	77.260	24.018,551	288.073,018	11,994	11,532
10	20	98.722	80.986,020	2.758.940,886	34,067	33,605	60	70	75.473	23.002,820	264.054,467	11,479	11,018
11	21	98.681	79.365,522	2.677.954,865	33,742	33,280	61	71	73.563	21.980,956	241.051,647	10,966	10,505
12	22	98.643	77.779,059	2.598.589,343	33,410	32,948	62	72	71.501	20.945,939	219.070,690	10,459	9,997
13	23	98.603	76.223,379	2.520.810,284	33,071	32,610	63	73	69.266	19.893,384	198.124,752	9,959	9,498
14	24	98.565	74.699,619	2.444.586,904	32,726	32,264	64	74	66.874	18.829,890	178.231,368	9,465	9,004
15	25	98.520	73.201,517	2.369.887,285	32,375	31,913	65	75	64.321	17.755,769	159.401,478	8,977	8,516
16	26	98.472	71.731,609	2.296.685,768	32,018	31,556	66	76	61.556	16.659,323	141.645,709	8,502	8,041
17	27	98.407	70.278,491	2.224.954,159	31,659	31,197	67	77	58.630	15.556,394	124.986,386	8,034	7,573
18	28	98.328	68.845,489	2.154.675,668	31,297	30,836	68	78	55.508	14.439,143	109.429,992	7,579	7,117
19	29	98.225	67.424,363	2.085.830,179	30,936	30,474	69	79	52.187	13.309,127	94.990,849	7,137	6,676
20	30	98.117	66.029,744	2.018.405,816	30,568	30,107	70	80	48.704	12.177,399	81.681,722	6,708	6,246
21	31	98.010	64.664,648	1.952.376,071	30,192	29,731	71	81	45.010	11.033,162	69.504,323	6,300	5,838
22	32	97.898	63.324,377	1.887.711,423	29,810	29,349	72	82	41.163	9.892,212	58.471,162	5,911	5,449
23	33	97.790	62.013,856	1.824.387,046	29,419	28,957	73	83	37.147	8.752,143	48.578,949	5,551	5,089
24	34	97.678	60.728,559	1.762.373,189	29,021	28,559	74	84	33.148	7.656,725	39.826,806	5,202	4,740
25	35	97.561	59.466,711	1.701.644,630	28,615	28,153	75	85	29.190	6.610,265	32.170,081	4,867	4,405
26	36	97.440	58.228,227	1.642.177,919	28,202	27,741	76	86	25.423	5.644,352	25.559,816	4,528	4,067
27	37	97.315	57.013,413	1.583.949,692	27,782	27,320	77	87	21.720	4.727,581	19.915,464	4,213	3,751
28	38	97.186	55.821,278	1.526.936,279	27,354	26,892	78	88	18.111	3.864,743	15.187,883	3,930	3,468
29	39	97.047	54.648,263	1.471.115,000	26,920	26,458	79	89	14.774	3.090,863	11.323,140	3,663	3,202
30	40	96.901	53.496,201	1.416.466,737	26,478	26,016	80	90	11.746	2.409,215	8.232,277	3,417	2,955
31	41	96.746	52.363,345	1.362.970,536	26,029	25,567	81	91	9.096	1.829,037	5.823,062	3,184	2,722
32	42	96.574	51.245,368	1.310.607,191	25,575	25,114	82	92	6.784	1.337,496	3.994,025	2,986	2,525
33	43	96.386	50.142,939	1.259.361,823	25,115	24,654	83	93	4.885	944,147	2.656,529	2,814	2,352
34	44	96.177	49.052,866	1.209.218,884	24,651	24,190	84	94	3.404	645,110	1.712,382	2,654	2,193
35	45	95.951	47.978,235	1.160.166,018	24,181	23,719	85	95	2.293	425,902	1.067,272	2,506	2,044
36	46	95.699	46.913,737	1.112.187,783	23,707	23,245	86	96	1.494	272,057	641,371	2,357	1,896
37	47	95.419	45.859,429	1.065.274,046	23,229	22,768	87	97	929	165,945	369,314	2,226	1,764
38	48	95.118	44.818,580	1.019.414,616	22,745	22,284	88	98	550	96,332	203,369	2,111	1,650
39	49	94.786	43.786,216	974.596,036	22,258	21,796	89	99	310	53,279	107,037	2,009	1,547
40	50	94.412	42.758,344	930.809,820	21,769	21,307	90	100	167	28,065	53,758	1,915	1,454
41	51	94.011	41.742,017	888.051,476	21,275	20,813	91	101	85	14,059	25,692	1,827	1,366
42	52	93.572	40.732,366	846.309,459	20,777	20,316	92	102	41	6,649	11,633	1,750	1,288
43	53	93.084	39.725,155	805.577,093	20,279	19,817	93	103	19	2,969	4,984	1,679	1,217
44	54	92.560	38.727,148	765.851,938	19,776	19,314	94	104	8	1,248	2,016	1,615	1,153
45	55	91.991	37.734,224	727.124,790	19,270	18,808	95	105	3	0,493	0,767	1,556	1,095
46	56	91.360	36.740,842	689.390,567	18,764	18,302	96	106					
47	57	90.685	35.754,049	652.649,725	18,254	17,792	97	107					
48	58	89.941	34.765,752	616.895,676	17,744	17,283	98	108					
49	59	89.143	33.781,457	582.129,924	17,232	16,771	99	109					
							100	110					

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -11 Jahre

Zinsfuß 2,00%

Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	11	99.480	99.479,797	3.648.665,672	36,677	36,216	50	61	87.806	32.622,257	534.165,803	16,374	15,913
1	12	99.017	97.075,150	3.549.185,876	36,561	36,100	51	62	86.879	31.645,035	501.543,546	15,849	15,387
2	13	98.968	95.125,188	3.452.110,726	36,290	35,829	52	63	85.885	30.669,589	469.898,512	15,321	14,860
3	14	98.939	93.232,178	3.356.985,538	36,007	35,545	53	64	84.800	29.688,559	439.228,922	14,795	14,333
4	15	98.909	91.376,773	3.263.753,360	35,718	35,256	54	65	83.651	28.711,967	409.540,363	14,264	13,802
5	16	98.878	89.557,054	3.172.376,587	35,423	34,961	55	66	82.405	27.729,512	380.828,396	13,734	13,272
6	17	98.844	87.770,418	3.082.819,534	35,124	34,662	56	67	81.047	26.737,932	353.098,884	13,206	12,744
7	18	98.810	86.020,470	2.995.049,116	34,818	34,356	57	68	79.595	25.743,996	326.360,952	12,677	12,216
8	19	98.770	84.299,130	2.909.028,646	34,508	34,047	58	69	78.004	24.734,644	300.616,956	12,154	11,692
9	20	98.731	82.613,472	2.824.729,516	34,192	33,731	59	70	76.275	23.712,118	275.882,312	11,635	11,173
10	21	98.690	80.960,440	2.742.116,044	33,870	33,408	60	71	74.400	22.675,868	252.170,193	11,121	10,659
11	22	98.657	79.346,104	2.661.155,604	33,539	33,077	61	72	72.370	21.624,595	229.494,325	10,613	10,151
12	23	98.616	77.758,001	2.581.809,500	33,203	32,742	62	73	70.212	20.568,302	207.869,730	10,106	9,645
13	24	98.577	76.203,492	2.504.051,499	32,860	32,398	63	74	67.855	19.488,109	187.301,428	9,611	9,149
14	25	98.538	74.679,325	2.427.848,007	32,510	32,049	64	75	65.352	18.401,289	167.813,319	9,120	8,658
15	26	98.495	73.183,505	2.353.168,682	32,154	31,693	65	76	62.653	17.295,406	149.412,030	8,639	8,177
16	27	98.445	71.711,527	2.279.985,177	31,794	31,332	66	77	59.774	16.177,063	132.116,624	8,167	7,705
17	28	98.378	70.258,010	2.208.273,649	31,431	30,969	67	78	56.723	15.050,305	115.939,561	7,703	7,242
18	29	98.299	68.825,054	2.138.015,640	31,064	30,603	68	79	53.450	13.903,998	100.889,256	7,256	6,795
19	30	98.196	67.404,627	2.069.190,586	30,698	30,236	69	80	49.992	12.749,264	86.985,258	6,823	6,361
20	31	98.085	66.008,125	2.001.785,958	30,326	29,865	70	81	46.332	11.584,184	74.235,994	6,408	5,947
21	32	97.975	64.641,550	1.935.777,833	29,946	29,485	71	82	42.501	10.418,130	62.651,810	6,014	5,552
22	33	97.863	63.301,861	1.871.136,284	29,559	29,097	72	83	38.503	9.252,937	52.233,679	5,645	5,183
23	34	97.751	61.989,077	1.807.834,423	29,164	28,702	73	84	34.485	8.124,983	42.980,743	5,290	4,828
24	35	97.632	60.700,088	1.745.845,346	28,762	28,300	74	85	30.484	7.041,419	34.855,760	4,950	4,488
25	36	97.511	59.436,267	1.685.145,258	28,352	27,891	75	86	26.655	6.036,331	27.814,341	4,608	4,146
26	37	97.385	58.195,301	1.625.708,991	27,935	27,474	76	87	22.860	5.075,320	21.778,010	4,291	3,829
27	38	97.256	56.978,452	1.567.513,689	27,511	27,049	77	88	19.159	4.170,305	16.702,690	4,005	3,544
28	39	97.118	55.782,231	1.510.535,238	27,079	26,618	78	89	15.729	3.356,425	12.532,386	3,734	3,272
29	40	96.969	54.604,531	1.454.753,007	26,642	26,180	79	90	12.584	2.632,720	9.175,961	3,485	3,024
30	41	96.817	53.449,660	1.400.148,476	26,196	25,734	80	91	9.826	2.015,400	6.543,240	3,247	2,785
31	42	96.650	52.311,584	1.346.698,816	25,744	25,282	81	92	7.391	1.486,276	4.527,840	3,046	2,585
32	43	96.465	51.187,734	1.294.387,232	25,287	24,825	82	93	5.391	1.062,788	3.041,564	2,862	2,400
33	44	96.261	50.077,852	1.243.199,499	24,825	24,364	83	94	3.791	732,667	1.978,777	2,701	2,239
34	45	96.043	48.984,584	1.193.121,646	24,357	23,895	84	95	2.577	488,257	1.246,110	2,552	2,091
35	46	95.799	47.902,141	1.144.137,062	23,885	23,423	85	96	1.690	313,985	757,853	2,414	1,952
36	47	95.527	46.829,481	1.096.234,920	23,409	22,947	86	97	1.071	195,109	443,868	2,275	1,813
37	48	95.233	45.770,249	1.049.405,440	22,928	22,466	87	98	648	115,622	248,758	2,151	1,690
38	49	94.917	44.723,568	1.003.635,191	22,441	21,979	88	99	372	65,123	133,137	2,044	1,583
39	50	94.558	43.680,835	958.911,623	21,953	21,491	89	100	203	34,902	68,014	1,949	1,487
40	51	94.174	42.650,309	915.230,788	21,459	20,997	90	101	106	17,792	33,112	1,861	1,399
41	52	93.750	41.626,089	872.580,478	20,962	20,501	91	102	52	8,614	15,320	1,779	1,317
42	53	93.289	40.609,223	830.954,389	20,462	20,001	92	103	24	3,932	6,706	1,705	1,244
43	54	92.790	39.599,721	790.345,165	19,958	19,497	93	104	11	1,692	2,774	1,639	1,177
44	55	92.238	38.592,446	750.745,444	19,453	18,992	94	105	4	0,685	1,081	1,578	1,117
45	56	91.642	37.591,329	712.152,999	18,945	18,483	95	106					
46	57	90.993	36.593,338	674.561,669	18,434	17,972	96	107					
47	58	90.280	35.594,476	637.968,332	17,923	17,462	97	108					
48	59	89.508	34.598,333	602.373,856	17,410	16,949	98	109					
49	60	88.690	33.609,720	567.775,523	16,893	16,432	99	110					
							100	111					

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -12 Jahre

Zinsfuß 2,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	12	99.470	99.470,467	3.630.848,356	36,502	36,040	50	62	87.312	32.438,680	519.373,928	16,011	15,549
1	13	99.008	97.066,906	3.531.377,888	36,381	35,919	51	63	86.332	31.445,896	486.935,248	15,485	15,023
2	14	98.959	95.115,971	3.434.310,983	36,107	35,645	52	64	85.301	30.460,980	455.489,352	14,953	14,492
3	15	98.927	93.221,314	3.339.195,012	35,820	35,358	53	65	84.180	29.471,452	425.028,372	14,422	13,960
4	16	98.891	91.360,446	3.245.973,698	35,529	35,068	54	66	82.968	28.477,466	395.556,920	13,890	13,429
5	17	98.857	89.538,088	3.154.613,251	35,232	34,770	55	67	81.658	27.478,377	367.079,454	13,359	12,897
6	18	98.822	87.751,107	3.065.075,164	34,929	34,468	56	68	80.223	26.466,141	339.601,077	12,832	12,370
7	19	98.782	85.995,731	2.977.324,057	34,622	34,160	57	69	78.685	25.449,547	313.134,936	12,304	11,843
8	20	98.742	84.275,762	2.891.328,326	34,308	33,846	58	70	77.009	24.419,075	287.685,388	11,781	11,320
9	21	98.700	82.587,378	2.807.052,564	33,989	33,527	59	71	75.191	23.375,085	263.266,313	11,263	10,801
10	22	98.666	80.940,632	2.724.465,186	33,660	33,198	60	72	73.194	22.308,241	239.891,228	10,753	10,292
11	23	98.630	79.324,622	2.643.524,555	33,325	32,864	61	73	71.065	21.234,723	217.582,987	10,247	9,785
12	24	98.590	77.737,714	2.564.199,933	32,985	32,524	62	74	68.781	20.149,277	196.348,264	9,745	9,283
13	25	98.551	76.182,789	2.486.462,219	32,638	32,176	63	75	66.310	19.044,526	176.198,987	9,252	8,790
14	26	98.514	74.660,949	2.410.279,430	32,283	31,821	64	76	63.658	17.924,189	157.154,461	8,768	8,306
15	27	98.468	73.163,016	2.335.618,481	31,923	31,462	65	77	60.839	16.794,732	139.230,272	8,290	7,829
16	28	98.416	71.690,628	2.262.455,465	31,559	31,097	66	78	57.829	15.650,783	122.435,539	7,823	7,361
17	29	98.349	70.237,156	2.190.764,836	31,191	30,729	67	79	54.620	14.492,509	106.784,756	7,368	6,907
18	30	98.270	68.804,909	2.120.527,681	30,819	30,358	68	80	51.202	13.319,111	92.292,248	6,929	6,468
19	31	98.164	67.382,558	2.051.722,772	30,449	29,987	69	81	47.556	12.128,191	78.973,137	6,512	6,050
20	32	98.050	65.984,546	1.984.340,214	30,073	29,611	70	82	43.749	10.938,437	66.844,946	6,111	5,649
21	33	97.940	64.618,565	1.918.355,668	29,687	29,226	71	83	39.755	9.744,868	55.906,509	5,737	5,275
22	34	97.824	63.276,567	1.853.737,103	29,296	28,834	72	84	35.744	8.589,890	46.161,641	5,374	4,912
23	35	97.705	61.960,015	1.790.460,537	28,897	28,435	73	85	31.714	7.472,047	37.571,751	5,028	4,567
24	36	97.582	60.669,012	1.728.500,521	28,491	28,029	74	86	27.837	6.430,051	30.099,704	4,681	4,219
25	37	97.456	59.402,658	1.667.831,509	28,077	27,615	75	87	23.968	5.427,782	23.669,653	4,361	3,899
26	38	97.325	58.159,615	1.608.428,851	27,655	27,194	76	88	20.165	4.477,053	18.241,871	4,075	3,613
27	39	97.188	56.938,595	1.550.269,236	27,227	26,765	77	89	16.639	3.621,797	13.764,819	3,801	3,339
28	40	97.040	55.737,590	1.493.330,641	26,792	26,331	78	90	13.397	2.858,920	10.143,022	3,548	3,086
29	41	96.885	54.557,026	1.437.593,051	26,350	25,889	79	91	10.527	2.202,371	7.284,102	3,307	2,846
30	42	96.721	53.396,826	1.383.036,025	25,901	25,439	80	92	7.985	1.637,714	5.081,731	3,103	2,641
31	43	96.542	52.252,751	1.329.639,200	25,446	24,985	81	93	5.873	1.181,010	3.444,017	2,916	2,455
32	44	96.340	51.121,291	1.277.386,449	24,987	24,526	82	94	4.183	824,733	2.263,008	2,744	2,282
33	45	96.127	50.008,144	1.226.265,158	24,521	24,060	83	95	2.869	554,526	1.438,275	2,594	2,132
34	46	95.891	48.906,894	1.176.257,014	24,051	23,589	84	96	1.900	359,955	883,749	2,455	1,994
35	47	95.627	47.816,110	1.127.350,120	23,577	23,115	85	97	1.212	225,179	523,794	2,326	1,865
36	48	95.341	46.738,414	1.079.534,010	23,097	22,636	86	98	746	135,942	298,615	2,197	1,735
37	49	95.032	45.673,219	1.032.795,596	22,613	22,151	87	99	438	78,163	162,674	2,081	1,620
38	50	94.688	44.615,931	987.122,377	22,125	21,663	88	100	244	42,660	84,510	1,981	1,519
39	51	94.319	43.570,470	942.506,446	21,632	21,170	89	101	129	22,126	41,850	1,891	1,430
40	52	93.912	42.531,859	898.935,976	21,136	20,674	90	102	65	10,901	19,724	1,809	1,348
41	53	93.467	41.500,245	856.404,117	20,636	20,175	91	103	31	5,094	8,823	1,732	1,270
42	54	92.995	40.480,998	814.903,872	20,131	19,669	92	104	14	2,242	3,729	1,663	1,202
43	55	92.467	39.461,984	774.422,874	19,625	19,163	93	105	6	0,929	1,487	1,601	1,139
44	56	91.889	38.446,301	734.960,890	19,117	18,655	94	106					
45	57	91.274	37.440,411	696.514,589	18,603	18,142	95	107					
46	58	90.587	36.430,018	659.074,178	18,092	17,630	96	108					
47	59	89.845	35.423,066	622.644,160	17,577	17,116	97	109					
48	60	89.053	34.422,443	587.221,094	17,059	16,598	98	110					
49	61	88.202	33.424,723	552.798,651	16,539	16,077	99	111					
							100	112					

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -13 Jahre

Zinsfuß 2,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	13	99.462	99.462,020	3.612.180,252	36,317	35,856	50	63	86.762	32.234,547	503.975,875	15,635	15,173
1	14	98.999	97.057,501	3.512.718,232	36,192	35,731	51	64	85.745	31.232,006	471.741,328	15,104	14,643
2	15	98.947	95.104,888	3.415.660,731	35,915	35,453	52	65	84.677	30.238,224	440.509,322	14,568	14,106
3	16	98.910	93.204,658	3.320.555,843	35,627	35,165	53	66	83.493	29.230,748	410.271,098	14,036	13,574
4	17	98.871	91.341,099	3.227.351,185	35,333	34,871	54	67	82.217	28.219,557	381.040,350	13,503	13,041
5	18	98.836	89.518,387	3.136.010,087	35,032	34,570	55	68	80.828	27.199,060	352.820,793	12,972	12,510
6	19	98.794	87.725,870	3.046.491,699	34,727	34,266	56	69	79.306	26.163,433	325.621,733	12,446	11,984
7	20	98.755	85.971,893	2.958.765,829	34,416	33,954	57	70	77.681	25.124,857	299.458,300	11,919	11,457
8	21	98.711	84.249,143	2.872.793,937	34,099	33,637	58	71	75.914	24.071,994	274.333,443	11,396	10,935
9	22	98.675	82.567,171	2.788.544,794	33,773	33,311	59	72	73.972	22.996,122	250.261,449	10,883	10,421
10	23	98.639	80.918,718	2.705.977,623	33,441	32,979	60	73	71.874	21.906,043	227.265,327	10,375	9,913
11	24	98.604	79.303,925	2.625.058,905	33,101	32,640	61	74	69.617	20.802,122	205.359,284	9,872	9,410
12	25	98.563	77.716,594	2.545.754,980	32,757	32,295	62	75	67.216	19.690,645	184.557,162	9,373	8,911
13	26	98.526	76.164,043	2.468.038,386	32,404	31,943	63	76	64.591	18.550,748	164.866,517	8,887	8,426
14	27	98.486	74.640,047	2.391.874,342	32,045	31,584	64	77	61.815	17.405,314	146.315,769	8,406	7,945
15	28	98.439	73.141,694	2.317.234,295	31,681	31,220	65	78	58.860	16.248,358	128.910,455	7,934	7,472
16	29	98.387	71.669,349	2.244.092,601	31,312	30,850	66	79	55.686	15.070,732	112.662,097	7,476	7,014
17	30	98.320	70.216,597	2.172.423,252	30,939	30,477	67	80	52.323	13.882,865	97.591,366	7,030	6,568
18	31	98.238	68.782,381	2.102.206,656	30,563	30,102	68	81	48.708	12.670,279	83.708,501	6,607	6,145
19	32	98.129	67.358,488	2.033.424,275	30,188	29,726	69	82	44.905	11.452,119	71.038,222	6,203	5,741
20	33	98.015	65.961,084	1.966.065,787	29,806	29,345	70	83	40.922	10.231,550	59.586,104	5,824	5,362
21	34	97.901	64.592,745	1.900.104,703	29,417	28,955	71	84	36.906	9.046,571	49.354,554	5,456	4,994
22	35	97.778	63.246,901	1.835.511,958	29,021	28,560	72	85	32.871	7.899,594	40.307,983	5,103	4,641
23	36	97.655	61.928,295	1.772.265,057	28,618	28,156	73	86	28.961	6.823,289	32.408,389	4,750	4,288
24	37	97.527	60.634,707	1.710.336,762	28,207	27,746	74	87	25.031	5.781,809	25.585,100	4,425	3,963
25	38	97.397	59.366,231	1.649.702,056	27,789	27,327	75	88	21.143	4.787,967	19.803,291	4,136	3,674
26	39	97.257	58.118,931	1.590.335,824	27,363	26,902	76	89	17.513	3.888,199	15.015,324	3,862	3,400
27	40	97.110	56.893,029	1.532.216,893	26,932	26,470	77	90	14.173	3.084,957	11.127,124	3,607	3,145
28	41	96.956	55.689,100	1.475.323,864	26,492	26,031	78	91	11.207	2.391,595	8.042,168	3,363	2,901
29	42	96.789	54.503,097	1.419.634,764	26,047	25,585	79	92	8.554	1.789,647	5.650,573	3,157	2,696
30	43	96.612	53.336,772	1.365.131,668	25,595	25,133	80	93	6.345	1.301,344	3.860,926	2,967	2,505
31	44	96.416	52.184,926	1.311.794,896	25,137	24,676	81	94	4.558	916,474	2.559,582	2,793	2,331
32	45	96.206	51.050,130	1.259.609,970	24,674	24,212	82	95	3.166	624,207	1.643,108	2,632	2,171
33	46	95.975	49.928,830	1.208.559,841	24,206	23,744	83	96	2.115	408,810	1.018,901	2,492	2,031
34	47	95.718	48.819,059	1.158.631,010	23,733	23,272	84	97	1.362	258,147	610,091	2,363	1,902
35	48	95.441	47.723,124	1.109.811,952	23,255	22,794	85	98	845	156,892	351,944	2,243	1,782
36	49	95.139	46.639,332	1.062.088,827	22,772	22,311	86	99	505	91,900	195,052	2,122	1,661
37	50	94.803	45.563,296	1.015.449,495	22,287	21,825	87	100	287	51,203	103,152	2,015	1,553
38	51	94.449	44.503,203	969.886,199	21,794	21,332	88	101	154	27,044	51,949	1,921	1,459
39	52	94.057	43.449,464	925.382,996	21,298	20,836	89	102	79	13,557	24,905	1,837	1,375
40	53	93.628	42.403,277	881.933,532	20,799	20,337	90	103	38	6,447	11,348	1,760	1,299
41	54	93.172	41.369,206	839.530,256	20,294	19,832	91	104	18	2,904	4,901	1,688	1,226
42	55	92.671	40.340,195	798.161,049	19,786	19,324	92	105	8	1,230	1,997	1,623	1,161
43	56	92.117	39.312,547	757.820,854	19,277	18,815	93	106					
44	57	91.520	38.291,950	718.508,307	18,764	18,302	94	107					
45	58	90.867	37.273,311	680.216,357	18,249	17,788	95	108					
46	59	90.151	36.254,585	642.943,046	17,734	17,273	96	109					
47	60	89.388	35.242,983	606.688,461	17,214	16,753	97	110					
48	61	88.563	34.232,973	571.445,478	16,693	16,231	98	111					
49	62	87.705	33.236,631	537.212,505	16,163	15,702	99	112					
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -14 Jahre

Zinsfuß 2,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	14	99.452	99.452,383	3.592.656,712	36,124	35,663	50	64	86.172	32.015,292	487.994,248	15,243	14,781
1	15	98.987	97.046,191	3.493.204,329	35,995	35,534	51	65	85.118	31.003,612	455.978,956	14,707	14,246
2	16	98.929	95.087,895	3.396.158,138	35,716	35,254	52	66	83.985	29.991,257	424.975,344	14,170	13,708
3	17	98.889	93.184,920	3.301.070,243	35,425	34,963	53	67	82.737	28.966,017	394.984,087	13,636	13,175
4	18	98.849	91.321,002	3.207.885,323	35,128	34,666	54	68	81.381	27.932,706	366.018,069	13,104	12,642
5	19	98.807	89.492,643	3.116.564,321	34,825	34,363	55	69	79.904	26.887,969	338.085,364	12,574	12,112
6	20	98.766	87.701,552	3.027.071,679	34,516	34,054	56	70	78.294	25.829,635	311.197,395	12,048	11,586
7	21	98.723	85.944,738	2.939.370,127	34,201	33,739	57	71	76.577	24.767,744	285.367,760	11,522	11,060
8	22	98.687	84.228,529	2.853.425,389	33,877	33,416	58	72	74.683	23.681,732	260.600,016	11,004	10,543
9	23	98.649	82.544,817	2.769.196,859	33,548	33,086	59	73	72.638	22.581,522	236.918,283	10,492	10,030
10	24	98.614	80.897,605	2.686.652,043	33,211	32,749	60	74	70.410	21.459,765	214.336,761	9,988	9,526
11	25	98.578	79.282,380	2.605.754,437	32,867	32,405	61	75	68.033	20.328,630	192.876,996	9,488	9,026
12	26	98.539	77.697,471	2.526.472,057	32,517	32,055	62	76	65.473	19.180,115	172.548,366	8,996	8,535
13	27	98.499	76.142,721	2.448.774,586	32,160	31,699	63	77	62.721	18.013,735	153.368,251	8,514	8,052
14	28	98.457	74.618,294	2.372.631,866	31,797	31,335	64	78	59.804	16.839,075	135.354,516	8,038	7,577
15	29	98.410	73.119,984	2.298.013,571	31,428	30,966	65	79	56.679	15.646,159	118.515,441	7,575	7,113
16	30	98.358	71.648,371	2.224.893,587	31,053	30,591	66	80	53.343	14.436,764	102.869,281	7,126	6,664
17	31	98.288	70.193,606	2.153.245,216	30,676	30,214	67	81	49.774	13.206,570	88.432,518	6,696	6,234
18	32	98.203	68.757,811	2.083.051,610	30,295	29,834	68	82	45.993	11.963,988	75.225,948	6,288	5,826
19	33	98.094	67.334,537	2.014.293,799	29,915	29,453	69	83	42.003	10.712,036	63.261,960	5,906	5,444
20	34	97.976	65.934,727	1.946.959,262	29,529	29,067	70	84	37.989	9.498,378	52.549,924	5,533	5,071
21	35	97.855	64.562,462	1.881.024,535	29,135	28,673	71	85	33.940	8.319,575	43.051,546	5,175	4,713
22	36	97.728	63.214,522	1.816.462,072	28,735	28,273	72	86	30.017	7.213,714	34.731,971	4,815	4,353
23	37	97.599	61.893,277	1.753.247,550	28,327	27,865	73	87	26.041	6.135,403	27.518,257	4,485	4,024
24	38	97.467	60.597,524	1.691.354,274	27,911	27,450	74	88	22.080	5.100,263	21.382,854	4,193	3,731
25	39	97.328	59.324,704	1.630.756,749	27,489	27,027	75	89	18.362	4.158,220	16.282,591	3,916	3,454
26	40	97.179	58.072,421	1.571.432,046	27,060	26,598	76	90	14.917	3.311,872	12.124,371	3,661	3,199
27	41	97.025	56.843,533	1.513.359,625	26,623	26,162	77	91	11.856	2.580,684	8.812,499	3,415	2,953
28	42	96.860	55.634,052	1.456.516,092	26,180	25,719	78	92	9.107	1.943,410	6.231,815	3,207	2,745
29	43	96.680	54.441,799	1.400.882,040	25,732	25,270	79	93	6.797	1.422,071	4.288,405	3,016	2,554
30	44	96.487	53.267,540	1.346.440,241	25,277	24,815	80	94	4.923	1.009,855	2.866,334	2,838	2,377
31	45	96.282	52.112,284	1.293.172,702	24,815	24,354	81	95	3.449	693,642	1.856,479	2,676	2,215
32	46	96.053	50.969,164	1.241.060,418	24,349	23,888	82	96	2.334	460,180	1.162,837	2,527	2,065
33	47	95.802	49.839,159	1.190.091,254	23,879	23,417	83	97	1.517	293,184	702,657	2,397	1,935
34	48	95.532	48.724,123	1.140.252,095	23,402	22,941	84	98	949	179,862	409,473	2,277	1,815
35	49	95.239	47.621,955	1.091.527,972	22,921	22,459	85	99	571	106,063	229,610	2,165	1,703
36	50	94.910	46.527,084	1.043.906,018	22,437	21,975	86	100	331	60,202	123,547	2,052	1,591
37	51	94.563	45.448,175	997.378,934	21,945	21,484	87	101	182	32,460	63,346	1,952	1,490
38	52	94.187	44.379,607	951.930,759	21,450	20,988	88	102	95	16,570	30,886	1,864	1,402
39	53	93.773	43.318,107	907.551,152	20,951	20,489	89	103	47	8,017	14,315	1,786	1,324
40	54	93.332	42.269,386	864.233,045	20,446	19,984	90	104	22	3,675	6,298	1,714	1,252
41	55	92.848	41.225,314	821.963,659	19,938	19,477	91	105	10	1,594	2,623	1,645	1,184
42	56	92.320	40.187,433	780.738,344	19,427	18,966	92	106					
43	57	91.747	39.154,718	740.550,911	18,913	18,452	93	107					
44	58	91.111	38.121,050	701.396,193	18,399	17,938	94	108					
45	59	90.429	37.093,816	663.275,144	17,881	17,419	95	109					
46	60	89.693	36.070,274	626.181,327	17,360	16,898	96	110					
47	61	88.896	35.048,996	590.111,053	16,837	16,375	97	111					
48	62	88.065	34.040,332	555.062,056	16,306	15,844	98	112					
49	63	87.153	33.027,476	521.021,724	15,775	15,314	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -15 Jahre

Zinsfuß 2,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	15	99.441	99.440,794	3.572.276,420	35,924	35,462	50	65	85.542	31.781,170	471.447,912	14,834	14,373
1	16	98.969	97.028,852	3.472.835,626	35,792	35,330	51	66	84.423	30.750,394	439.666,741	14,298	13,836
2	17	98.908	95.067,758	3.375.806,774	35,509	35,048	52	67	83.225	29.719,639	408.916,347	13,759	13,298
3	18	98.867	93.164,417	3.280.739,016	35,215	34,753	53	68	81.896	28.671,578	379.196,708	13,226	12,764
4	19	98.820	91.294,738	3.187.574,598	34,915	34,454	54	69	80.450	27.613,223	350.525,130	12,694	12,232
5	20	98.780	89.467,835	3.096.279,860	34,608	34,146	55	70	78.884	26.544,927	322.911,907	12,165	11,703
6	21	98.735	87.673,851	3.006.812,025	34,295	33,834	56	71	77.181	25.462,505	296.366,980	11,639	11,178
7	22	98.699	85.923,710	2.919.138,174	33,974	33,512	57	72	75.335	24.366,203	270.904,475	11,118	10,656
8	23	98.660	84.205,725	2.833.214,465	33,646	33,185	58	73	73.337	23.254,772	246.538,272	10,602	10,140
9	24	98.623	82.523,280	2.749.008,739	33,312	32,850	59	74	71.158	22.121,483	223.283,501	10,094	9,632
10	25	98.587	80.875,627	2.666.485,459	32,970	32,509	60	75	68.807	20.971,304	201.162,017	9,592	9,131
11	26	98.553	79.262,871	2.585.609,832	32,621	32,159	61	76	66.269	19.801,559	180.190,713	9,100	8,638
12	27	98.512	77.675,719	2.506.346,960	32,267	31,805	62	77	63.578	18.624,883	160.389,154	8,612	8,150
13	28	98.470	76.120,530	2.428.671,242	31,906	31,444	63	78	60.681	17.427,703	141.764,272	8,134	7,673
14	29	98.428	74.596,146	2.352.550,711	31,537	31,076	64	79	57.587	16.214,983	124.336,569	7,668	7,206
15	30	98.381	73.098,581	2.277.954,565	31,163	30,701	65	80	54.294	14.987,986	108.121,585	7,214	6,752
16	31	98.326	71.624,912	2.204.855,984	30,783	30,322	66	81	50.745	13.733,486	93.133,600	6,781	6,320
17	32	98.253	70.168,533	2.133.231,072	30,402	29,940	67	82	46.999	12.470,384	79.400,114	6,367	5,905
18	33	98.168	68.733,362	2.063.062,539	30,015	29,554	68	83	43.020	11.190,826	66.929,729	5,981	5,519
19	34	98.055	67.307,632	1.994.329,177	29,630	29,168	69	84	38.993	9.944,433	55.738,904	5,605	5,143
20	35	97.930	65.903,816	1.927.021,545	29,240	28,778	70	85	34.936	8.735,074	45.794,470	5,243	4,781
21	36	97.805	64.529,409	1.861.117,729	28,841	28,380	71	86	30.993	7.597,231	37.059,396	4,878	4,416
22	37	97.673	63.178,777	1.796.588,320	28,437	27,975	72	87	26.991	6.486,468	29.462,165	4,542	4,080
23	38	97.540	61.855,323	1.733.409,544	28,024	27,562	73	88	22.971	5.412,176	22.975,697	4,245	3,784
24	39	97.399	60.555,136	1.671.554,221	27,604	27,142	74	89	19.176	4.429,440	17.563,521	3,965	3,504
25	40	97.251	59.277,229	1.610.999,086	27,177	26,716	75	90	15.640	3.541,869	13.134,081	3,708	3,247
26	41	97.095	58.021,899	1.551.721,857	26,744	26,282	76	91	12.479	2.770,507	9.592,212	3,462	3,001
27	42	96.930	56.787,344	1.493.699,958	26,303	25,842	77	92	9.634	2.097,064	6.821,705	3,253	2,791
28	43	96.751	55.571,482	1.436.912,614	25,857	25,395	78	93	7.237	1.544,253	4.724,642	3,059	2,598
29	44	96.555	54.371,132	1.381.341,132	25,406	24,944	79	94	5.275	1.103,540	3.180,388	2,882	2,420
30	45	96.352	53.193,391	1.326.970,000	24,946	24,485	80	95	3.726	764,318	2.076,848	2,717	2,256
31	46	96.129	52.029,633	1.273.776,610	24,482	24,020	81	96	2.543	511,369	1.312,530	2,567	2,105
32	47	95.881	50.877,624	1.221.746,976	24,013	23,552	82	97	1.674	330,025	801,161	2,428	1,966
33	48	95.616	49.742,240	1.170.869,352	23,539	23,077	83	98	1.057	204,274	471,136	2,306	1,845
34	49	95.330	48.620,831	1.121.127,113	23,059	22,597	84	99	642	121,592	266,862	2,195	1,733
35	50	95.009	47.507,342	1.072.506,282	22,576	22,114	85	100	374	69,479	145,270	2,091	1,629
36	51	94.670	46.409,527	1.024.998,940	22,086	21,624	86	101	210	38,165	75,790	1,986	1,524
37	52	94.301	45.321,954	978.589,413	21,592	21,130	87	102	111	19,888	37,626	1,892	1,430
38	53	93.902	44.245,438	933.267,459	21,093	20,631	88	103	56	9,800	17,737	1,810	1,348
39	54	93.477	43.181,329	889.022,021	20,588	20,127	89	104	27	4,571	7,938	1,737	1,275
40	55	93.008	42.122,363	845.840,692	20,081	19,619	90	105	12	2,017	3,367	1,669	1,207
41	56	92.496	41.069,200	803.718,329	19,570	19,108	91	106					
42	57	91.950	40.026,092	762.649,129	19,054	18,592	92	107					
43	58	91.337	38.979,967	722.623,037	18,538	18,077	93	108					
44	59	90.673	37.937,473	683.643,070	18,020	17,559	94	109					
45	60	89.970	36.905,240	645.705,597	17,496	17,035	95	110					
46	61	89.199	35.871,734	608.800,358	16,972	16,510	96	111					
47	62	88.396	34.851,763	572.928,623	16,439	15,977	97	112					
48	63	87.511	33.826,120	538.076,860	15,907	15,446	98						
49	64	86.560	32.802,829	504.250,740	15,372	14,911	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -16 Jahre

Zinsfuß 2,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	16	99.423	99.423,027	3.551.039,879	35,716	35,255	50	66	84.843	31.521,602	454.356,970	14,414	13,953
1	17	98.948	97.008,304	3.451.616,852	35,581	35,119	51	67	83.658	30.471,900	422.835,368	13,876	13,415
2	18	98.887	95.046,841	3.354.608,549	35,294	34,833	52	68	82.379	29.417,539	392.363,468	13,338	12,876
3	19	98.838	93.137,624	3.259.561,707	34,997	34,536	53	69	80.959	28.343,645	362.945,929	12,805	12,344
4	20	98.793	91.269,431	3.166.424,083	34,693	34,232	54	70	79.424	27.260,929	334.602,284	12,274	11,812
5	21	98.749	89.439,576	3.075.154,652	34,382	33,921	55	71	77.763	26.167,630	307.341,355	11,745	11,283
6	22	98.711	87.652,400	2.985.715,077	34,063	33,602	56	72	75.930	25.049,700	281.173,725	11,225	10,763
7	23	98.673	85.900,447	2.898.062,677	33,737	33,276	57	73	73.977	23.926,902	256.124,026	10,704	10,243
8	24	98.635	84.183,756	2.812.162,230	33,405	32,943	58	74	71.843	22.781,017	232.197,124	10,193	9,731
9	25	98.596	82.500,860	2.727.978,475	33,066	32,604	59	75	69.538	21.617,961	209.416,107	9,687	9,226
10	26	98.563	80.855,727	2.645.477,614	32,718	32,257	60	76	67.023	20.427,570	187.798,146	9,193	8,732
11	27	98.526	79.240,681	2.564.621,888	32,365	31,903	61	77	64.351	19.228,336	167.370,576	8,704	8,243
12	28	98.483	77.653,082	2.485.381,207	32,006	31,545	62	78	61.509	18.018,969	148.142,240	8,221	7,760
13	29	98.441	76.097,936	2.407.728,125	31,640	31,178	63	79	58.432	16.781,795	130.123,271	7,754	7,292
14	30	98.399	74.574,311	2.331.630,189	31,266	30,804	64	80	55.165	15.532,881	113.341,476	7,297	6,835
15	31	98.349	73.074,648	2.257.055,878	30,887	30,425	65	81	51.649	14.257,855	97.808,594	6,860	6,398
16	32	98.291	71.599,327	2.183.981,230	30,503	30,041	66	82	47.916	12.967,928	83.550,739	6,443	5,981
17	33	98.218	70.143,582	2.112.381,903	30,115	29,654	67	83	43.962	11.664,497	70.582,811	6,051	5,589
18	34	98.129	68.705,898	2.042.238,321	29,724	29,263	68	84	39.938	10.388,914	58.918,314	5,671	5,210
19	35	98.009	67.276,077	1.973.532,423	29,335	28,873	69	85	35.860	9.145,283	48.529,400	5,306	4,845
20	36	97.879	65.870,076	1.906.256,346	28,940	28,478	70	86	31.903	7.976,655	39.384,116	4,937	4,476
21	37	97.750	64.492,920	1.840.386,270	28,536	28,075	71	87	27.869	6.831,320	31.407,462	4,598	4,136
22	38	97.613	63.140,034	1.775.893,350	28,126	27,665	72	88	23.809	5.721,858	24.576,141	4,295	3,834
23	39	97.471	61.812,054	1.712.753,316	27,709	27,247	73	89	19.950	4.700,329	18.854,283	4,011	3,550
24	40	97.321	60.506,676	1.650.941,262	27,285	26,824	74	90	16.334	3.772,887	14.153,954	3,751	3,290
25	41	97.166	59.225,658	1.590.434,586	26,854	26,392	75	91	13.084	2.962,908	10.381,067	3,504	3,042
26	42	96.999	57.964,545	1.531.208,928	26,416	25,955	76	92	10.140	2.251,314	7.418,159	3,295	2,833
27	43	96.821	56.723,477	1.473.244,383	25,972	25,511	77	93	7.656	1.666,348	5.166,845	3,101	2,639
28	44	96.626	55.499,349	1.416.520,906	25,523	25,062	78	94	5.616	1.198,355	3.500,497	2,921	2,459
29	45	96.420	54.295,447	1.361.021,557	25,067	24,605	79	95	3.992	835,225	2.302,142	2,756	2,295
30	46	96.200	53.109,026	1.306.726,110	24,605	24,143	80	96	2.747	563,473	1.466,918	2,603	2,142
31	47	95.957	51.936,189	1.253.617,085	24,138	23,676	81	97	1.824	366,736	903,444	2,463	2,002
32	48	95.694	50.778,685	1.201.680,895	23,665	23,203	82	98	1.166	229,943	536,708	2,334	1,872
33	49	95.413	49.636,789	1.150.902,210	23,186	22,725	83	99	714	138,095	306,765	2,221	1,760
34	50	95.100	48.503,814	1.101.265,421	22,705	22,243	84	100	420	79,652	168,670	2,118	1,656
35	51	94.769	47.387,308	1.052.761,607	22,216	21,754	85	101	237	44,046	89,018	2,021	1,559
36	52	94.407	46.280,637	1.005.374,299	21,723	21,262	86	102	128	23,384	44,972	1,923	1,462
37	53	94.016	45.184,937	959.093,662	21,226	20,764	87	103	66	11,762	21,588	1,835	1,374
38	54	93.606	44.105,731	913.908,726	20,721	20,259	88	104	32	5,587	9,826	1,759	1,297
39	55	93.151	43.031,134	869.802,994	20,213	19,752	89	105	15	2,509	4,240	1,690	1,228
40	56	92.656	41.962,852	826.771,861	19,702	19,241	90	106					
41	57	92.125	40.904,319	784.809,009	19,186	18,725	91	107					
42	58	91.539	39.847,452	743.904,690	18,669	18,207	92	108					
43	59	90.898	38.792,254	704.057,239	18,149	17,688	93	109					
44	60	90.212	37.744,607	665.264,985	17,625	17,164	94	110					
45	61	89.474	36.702,104	627.520,378	17,098	16,636	95	111					
46	62	88.697	35.669,872	590.818,274	16,564	16,102	96	112					
47	63	87.840	34.632,445	555.148,402	16,030	15,568	97						
48	64	86.915	33.596,040	520.515,957	15,493	15,032	98						
49	65	85.927	32.562,947	486.919,917	14,953	14,492	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -17 Jahre

Zinsfuß 2,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	17	99.402	99.401,972	3.528.952,771	35,502	35,040	50	67	84.075	31.236,124	436.753,640	13,982	13,521
1	18	98.927	96.986,960	3.429.550,799	35,361	34,899	51	68	82.808	30.162,154	405.517,516	13,445	12,983
2	19	98.858	95.019,507	3.332.563,840	35,072	34,611	52	69	81.437	29.081,074	375.355,362	12,907	12,446
3	20	98.811	93.111,806	3.237.544,333	34,771	34,309	53	70	79.926	27.982,031	346.274,289	12,375	11,913
4	21	98.762	91.240,603	3.144.432,527	34,463	34,001	54	71	78.295	26.873,455	318.292,257	11,844	11,383
5	22	98.724	89.417,693	3.053.191,924	34,145	33,684	55	72	76.502	25.743,393	291.418,803	11,320	10,859
6	23	98.684	87.628,669	2.963.774,232	33,822	33,360	56	73	74.561	24.598,076	265.675,409	10,801	10,339
7	24	98.647	85.878,035	2.876.145,563	33,491	33,029	57	74	72.470	23.439,454	241.077,334	10,285	9,823
8	25	98.608	84.160,885	2.790.267,528	33,154	32,692	58	75	70.208	22.262,482	217.637,879	9,776	9,314
9	26	98.572	82.480,560	2.706.106,644	32,809	32,347	59	76	67.735	21.057,460	195.375,397	9,278	8,817
10	27	98.535	80.833,090	2.623.626,084	32,457	31,996	60	77	65.083	19.836,226	174.317,937	8,788	8,326
11	28	98.497	79.217,588	2.542.792,994	32,099	31,637	61	78	62.257	18.602,790	154.481,711	8,304	7,843
12	29	98.454	77.630,032	2.463.575,406	31,735	31,273	62	79	59.230	17.351,148	135.878,921	7,831	7,370
13	30	98.412	76.075,661	2.385.945,374	31,363	30,901	63	80	55.974	16.075,850	118.527,773	7,373	6,911
14	31	98.367	74.549,894	2.309.869,712	30,984	30,523	64	81	52.478	14.776,207	102.451,923	6,934	6,472
15	32	98.314	73.048,545	2.235.319,818	30,600	30,139	65	82	48.770	13.463,067	87.675,716	6,512	6,051
16	33	98.256	71.573,868	2.162.271,273	30,210	29,749	66	83	44.820	12.129,887	74.212,649	6,118	5,657
17	34	98.179	70.115,555	2.090.697,405	29,818	29,356	67	84	40.812	10.828,643	62.082,762	5,733	5,272
18	35	98.083	68.673,687	2.020.581,850	29,423	28,961	68	85	36.728	9.554,045	51.254,119	5,365	4,903
19	36	97.958	67.241,634	1.951.908,163	29,028	28,567	69	86	32.746	8.351,248	41.700,074	4,993	4,532
20	37	97.824	65.832,829	1.884.666,529	28,628	28,166	70	87	28.687	7.172,493	33.348,826	4,650	4,188
21	38	97.690	64.453,372	1.818.833,700	28,219	27,758	71	88	24.584	6.026,060	26.176,333	4,344	3,882
22	39	97.545	63.095,867	1.754.380,328	27,805	27,343	72	89	20.678	4.969,279	20.150,273	4,055	3,593
23	40	97.393	61.762,588	1.691.284,461	27,384	26,922	73	90	16.993	4.003,623	15.180,994	3,792	3,330
24	41	97.237	60.454,036	1.629.521,872	26,955	26,493	74	91	13.664	3.156,164	11.177,370	3,541	3,080
25	42	97.070	59.167,115	1.569.067,837	26,519	26,058	75	92	10.632	2.407,659	8.021,206	3,332	2,870
26	43	96.890	57.899,354	1.509.900,722	26,078	25,616	76	93	8.058	1.788,917	5.613,547	3,138	2,676
27	44	96.695	56.649,849	1.452.001,368	25,631	25,170	77	94	5.941	1.293,101	3.824,631	2,958	2,496
28	45	96.491	55.422,093	1.395.351,519	25,177	24,715	78	95	4.250	906,986	2.531,529	2,791	2,330
29	46	96.267	54.209,334	1.339.929,426	24,718	24,256	79	96	2.943	615,747	1.624,543	2,638	2,177
30	47	96.027	53.013,643	1.285.720,092	24,253	23,791	80	97	1.970	404,103	1.008,796	2,496	2,035
31	48	95.770	51.835,192	1.232.706,449	23,781	23,320	81	98	1.271	255,521	604,693	2,367	1,905
32	49	95.492	50.671,037	1.180.871,258	23,305	22,843	82	99	788	155,448	349,171	2,246	1,785
33	50	95.184	49.517,327	1.130.200,220	22,824	22,363	83	100	468	90,463	193,724	2,141	1,680
34	51	94.860	48.381,263	1.080.682,893	22,337	21,875	84	101	266	50,495	103,261	2,045	1,583
35	52	94.506	47.255,702	1.032.301,630	21,845	21,383	85	102	145	26,987	52,766	1,955	1,494
36	53	94.122	46.140,721	985.045,928	21,349	20,887	86	103	76	13,829	25,779	1,864	1,402
37	54	93.719	45.042,263	938.905,207	20,845	20,383	87	104	38	6,706	11,950	1,782	1,320
38	55	93.280	43.952,321	893.862,944	20,337	19,875	88	105	18	3,066	5,244	1,710	1,249
39	56	92.799	42.868,181	849.910,623	19,826	19,365	89						
40	57	92.284	41.794,383	807.042,442	19,310	18,848	90						
41	58	91.714	40.721,759	765.248,060	18,792	18,331	91						
42	59	91.099	39.655,561	724.526,300	18,270	17,809	92						
43	60	90.435	38.595,042	684.870,739	17,745	17,283	93						
44	61	89.715	37.536,851	646.275,697	17,217	16,755	94						
45	62	88.971	36.495,568	608.738,846	16,680	16,218	95						
46	63	88.139	35.445,405	572.243,278	16,144	15,683	96						
47	64	87.242	34.396,881	536.797,873	15,606	15,144	97						
48	65	86.280	33.350,358	502.400,992	15,064	14,603	98						
49	66	85.226	32.296,994	469.050,634	14,523	14,061	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -18 Jahre

Zinsfuß 2,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	18	99.380	99.380,101	3.506.018,575	35,279	34,817	50	68	83.220	30.918,609	418.671,956	13,541	13,079
1	19	98.898	96.959,067	3.406.638,474	35,135	34,673	51	69	81.861	29.817,172	387.753,347	13,004	12,543
2	20	98.831	94.993,167	3.309.679,407	34,841	34,380	52	70	80.398	28.710,052	357.936,175	12,467	12,006
3	21	98.780	93.082,396	3.214.686,240	34,536	34,074	53	71	78.790	27.584,308	329.226,123	11,935	11,474
4	22	98.738	91.218,279	3.121.603,844	34,221	33,760	54	72	77.025	26.437,775	301.641,815	11,410	10,948
5	23	98.698	89.393,484	3.030.385,565	33,899	33,438	55	73	75.123	25.279,263	275.204,040	10,887	10,425
6	24	98.658	87.605,806	2.940.992,082	33,571	33,109	56	74	73.042	24.096,955	249.924,777	10,372	9,910
7	25	98.620	85.854,703	2.853.386,276	33,235	32,773	57	75	70.820	22.905,932	225.827,822	9,859	9,397
8	26	98.584	84.140,175	2.767.531,572	32,892	32,430	58	76	68.387	21.685,271	202.921,890	9,358	8,896
9	27	98.544	82.457,469	2.683.391,397	32,543	32,081	59	77	65.775	20.447,882	181.236,619	8,863	8,402
10	28	98.506	80.809,533	2.600.933,928	32,186	31,724	60	78	62.966	19.190,904	160.788,738	8,378	7,917
11	29	98.468	79.194,074	2.520.124,396	31,822	31,361	61	79	59.950	17.913,331	141.597,834	7,905	7,443
12	30	98.425	77.607,310	2.440.930,321	31,452	30,991	62	80	56.738	16.621,252	123.684,502	7,441	6,980
13	31	98.380	76.050,753	2.363.323,012	31,076	30,614	63	81	53.247	15.292,725	107.063,251	7,001	6,539
14	32	98.332	74.523,264	2.287.272,259	30,692	30,230	64	82	49.552	13.952,524	91.770,526	6,577	6,116
15	33	98.279	73.022,570	2.212.748,994	30,302	29,841	65	83	45.619	12.593,028	77.818,002	6,179	5,718
16	34	98.216	71.545,269	2.139.726,424	29,907	29,446	66	84	41.608	11.260,685	65.224,974	5,792	5,331
17	35	98.133	70.082,683	2.068.181,155	29,511	29,049	67	85	37.532	9.958,437	53.964,289	5,419	4,957
18	36	98.033	68.638,530	1.998.098,472	29,110	28,649	68	86	33.539	8.724,519	44.005,852	5,044	4,582
19	37	97.903	67.203,612	1.929.459,943	28,711	28,249	69	87	29.445	7.509,322	35.281,333	4,698	4,237
20	38	97.764	65.792,459	1.862.256,331	28,305	27,843	70	88	25.305	6.327,016	27.772,012	4,389	3,928
21	39	97.621	64.408,286	1.796.463,872	27,892	27,430	71	89	21.350	5.233,470	21.444,996	4,098	3,636
22	40	97.467	63.045,374	1.732.055,586	27,473	27,012	72	90	17.613	4.232,709	16.211,526	3,830	3,368
23	41	97.309	61.708,856	1.669.010,212	27,047	26,585	73	91	14.215	3.349,183	11.978,817	3,577	3,115
24	42	97.140	60.394,278	1.607.301,356	26,613	26,152	74	92	11.103	2.564,699	8.629,633	3,365	2,903
25	43	96.961	59.100,571	1.546.907,078	26,174	25,713	75	93	8.448	1.913,150	6.064,935	3,170	2,709
26	44	96.764	57.824,200	1.487.806,507	25,730	25,268	76	94	6.253	1.388,216	4.151,784	2,991	2,529
27	45	96.560	56.570,992	1.429.982,307	25,278	24,816	77	95	4.496	978,696	2.763,569	2,824	2,362
28	46	96.338	55.334,193	1.373.411,316	24,820	24,359	78	96	3.133	668,651	1.784,873	2,669	2,208
29	47	96.094	54.111,975	1.318.077,123	24,358	23,897	79	97	2.111	441,592	1.116,221	2,528	2,066
30	48	95.840	52.910,550	1.263.965,148	23,889	23,427	80	98	1.373	281,557	674,629	2,396	1,934
31	49	95.567	51.725,305	1.211.054,598	23,413	22,952	81	99	859	172,740	393,072	2,276	1,814
32	50	95.262	50.549,086	1.159.329,293	22,935	22,473	82	100	517	101,830	220,333	2,164	1,702
33	51	94.943	49.392,215	1.108.780,207	22,448	21,987	83	101	297	57,348	118,503	2,066	1,605
34	52	94.597	48.246,896	1.059.387,992	21,958	21,496	84	102	163	30,938	61,154	1,977	1,515
35	53	94.220	47.112,839	1.011.141,095	21,462	21,001	85	103	86	15,960	30,216	1,893	1,432
36	54	93.825	45.995,030	964.028,257	20,959	20,498	86	104	43	7,884	14,256	1,808	1,347
37	55	93.393	44.885,595	918.033,227	20,453	19,991	87	105	21	3,680	6,372	1,731	1,270
38	56	92.927	43.785,880	873.147,632	19,941	19,480	88	106					
39	57	92.426	42.696,077	829.361,752	19,425	18,963	89	107					
40	58	91.872	41.607,851	786.665,675	18,907	18,445	90	108					
41	59	91.272	40.525,658	745.057,824	18,385	17,923	91	109					
42	60	90.635	39.453,961	704.532,166	17,857	17,395	92	110					
43	61	89.938	38.382,606	665.078,205	17,328	16,866	93	111					
44	62	89.210	37.325,618	626.695,600	16,790	16,328	94	112					
45	63	88.411	36.265,905	589.369,982	16,251	15,790	95						
46	64	87.539	35.204,311	553.104,076	15,711	15,250	96						
47	65	86.604	34.145,343	517.899,765	15,168	14,706	97						
48	66	85.575	33.077,973	483.754,423	14,625	14,163	98						
49	67	84.454	32.004,493	450.676,449	14,082	13,620	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -19 Jahre

Zinsfuß 2,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	19	99.352	99.351,520	3.482.238,701	35,050	34,588	50	69	82.268	30.564,975	400.153,387	13,092	12,630
1	20	98.871	96.932,190	3.382.887,181	34,900	34,438	51	70	80.816	29.436,759	369.588,412	12,555	12,094
2	21	98.800	94.963,163	3.285.954,991	34,602	34,141	52	71	79.255	28.301,981	340.151,653	12,019	11,557
3	22	98.756	93.059,621	3.190.991,828	34,290	33,828	53	72	77.513	27.137,103	311.849,672	11,492	11,030
4	23	98.711	91.193,583	3.097.932,207	33,971	33,509	54	73	75.637	25.961,125	284.712,568	10,967	10,505
5	24	98.672	89.370,160	3.006.738,625	33,644	33,182	55	74	73.593	24.764,265	258.751,443	10,449	9,987
6	25	98.632	87.582,005	2.917.368,465	33,310	32,849	56	75	71.379	23.548,467	233.987,179	9,936	9,475
7	26	98.596	85.833,577	2.829.786,459	32,968	32,507	57	76	68.984	22.312,038	210.438,712	9,432	8,970
8	27	98.556	84.116,620	2.743.952,882	32,621	32,159	58	77	66.408	21.057,518	188.126,674	8,934	8,472
9	28	98.516	82.433,438	2.659.836,262	32,266	31,805	59	78	63.635	19.782,661	167.069,155	8,445	7,984
10	29	98.477	80.785,547	2.577.402,824	31,904	31,443	60	79	60.632	18.479,648	147.286,495	7,970	7,509
11	30	98.439	79.170,894	2.496.617,277	31,535	31,073	61	80	57.428	17.159,787	128.806,846	7,506	7,045
12	31	98.393	77.581,900	2.417.446,384	31,160	30,698	62	81	53.974	15.811,558	111.647,060	7,061	6,599
13	32	98.345	76.023,587	2.339.864,484	30,778	30,317	63	82	50.279	14.440,249	95.835,502	6,637	6,175
14	33	98.297	74.496,766	2.263.840,897	30,388	29,927	64	83	46.350	13.050,854	81.395,253	6,237	5,775
15	34	98.239	72.993,392	2.189.344,132	29,994	29,532	65	84	42.350	11.690,638	68.344,399	5,846	5,384
16	35	98.170	71.511,727	2.116.350,739	29,594	29,133	66	85	38.264	10.355,759	56.653,761	5,471	5,009
17	36	98.082	70.046,804	2.044.839,012	29,192	28,731	67	86	34.273	9.093,799	46.298,002	5,091	4,630
18	37	97.977	68.599,717	1.974.792,209	28,787	28,326	68	87	30.158	7.844,962	37.204,203	4,742	4,281
19	38	97.843	67.162,401	1.906.192,491	28,382	27,920	69	88	25.974	6.624,140	29.359,241	4,432	3,971
20	39	97.696	65.746,436	1.839.030,090	27,972	27,510	70	89	21.977	5.494,842	22.735,101	4,138	3,676
21	40	97.543	64.356,743	1.773.283,654	27,554	27,092	71	90	18.186	4.457,740	17.240,259	3,867	3,406
22	41	97.382	62.990,525	1.708.926,911	27,130	26,668	72	91	14.734	3.540,822	12.782,518	3,610	3,148
23	42	97.212	61.647,857	1.645.936,386	26,699	26,237	73	92	11.551	2.721,547	9.241,696	3,396	2,934
24	43	97.031	60.326,354	1.584.288,528	26,262	25,800	74	93	8.823	2.037,935	6.520,150	3,199	2,738
25	44	96.835	59.023,857	1.523.962,174	25,819	25,358	75	94	6.556	1.484,622	4.482,214	3,019	2,557
26	45	96.629	57.743,708	1.464.938,317	25,370	24,908	76	95	4.732	1.050,684	2.997,592	2,853	2,391
27	46	96.407	56.481,269	1.407.194,609	24,914	24,453	77	96	3.315	721,518	1.946,908	2,698	2,237
28	47	96.165	55.234,814	1.350.713,339	24,454	23,992	78	97	2.247	479,533	1.225,390	2,555	2,094
29	48	95.908	54.006,746	1.295.478,525	23,987	23,526	79	98	1.471	307,677	745,857	2,424	1,963
30	49	95.637	52.798,383	1.241.471,779	23,513	23,052	80	99	928	190,340	438,180	2,302	1,840
31	50	95.337	51.600,816	1.188.673,396	23,036	22,574	81	100	563	113,157	247,840	2,190	1,729
32	51	95.021	50.421,368	1.137.072,580	22,551	22,090	82	101	327	64,555	134,683	2,086	1,625
33	52	94.680	49.255,041	1.086.651,212	22,062	21,600	83	102	182	35,138	70,128	1,996	1,534
34	53	94.311	48.101,036	1.037.396,171	21,567	21,105	84	103	97	18,297	34,990	1,912	1,451
35	54	93.923	46.964,078	989.295,135	21,065	20,603	85	104	49	9,099	16,693	1,835	1,373
36	55	93.498	45.835,048	942.331,057	20,559	20,098	86	105	24	4,327	7,594	1,755	1,293
37	56	93.039	44.715,620	896.496,009	20,049	19,587	87	106					
38	57	92.554	43.610,091	851.780,389	19,532	19,070	88	107					
39	58	92.014	42.505,521	808.170,298	19,013	18,552	89	108					
40	59	91.429	41.407,483	765.664,777	18,491	18,029	90	109					
41	60	90.808	40.319,635	724.257,295	17,963	17,501	91	110					
42	61	90.137	39.236,796	683.937,660	17,431	16,969	92	111					
43	62	89.432	38.166,613	644.700,864	16,892	16,430	93	112					
44	63	88.649	37.090,732	606.534,251	16,353	15,891	94						
45	64	87.810	36.019,231	569.443,519	15,809	15,348	95						
46	65	86.899	34.946,868	533.424,288	15,264	14,802	96						
47	66	85.897	33.866,465	498.477,420	14,719	14,257	97						
48	67	84.800	32.778,400	464.610,955	14,174	13,713	98						
49	68	83.595	31.679,168	431.832,555	13,631	13,170	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -20 Jahre

Zinsfuß 2,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	20	99.324	99.323,980	3.457.620,831	34,812	34,350	50	70	81.219	30.175,022	381.244,706	12,634	12,173
1	21	98.840	96.901,573	3.358.296,851	34,657	34,195	51	71	79.668	29.018,359	351.069,684	12,098	11,637
2	22	98.776	94.939,928	3.261.395,278	34,352	33,891	52	72	77.970	27.843,142	322.051,325	11,567	11,105
3	23	98.729	93.034,426	3.166.455,350	34,035	33,574	53	73	76.115	26.647,846	294.208,184	11,041	10,579
4	24	98.685	91.169,790	3.073.420,924	33,711	33,249	54	74	74.096	25.432,236	267.560,338	10,521	10,059
5	25	98.645	89.345,880	2.982.251,135	33,379	32,917	55	75	71.918	24.200,587	242.128,102	10,005	9,543
6	26	98.607	87.560,454	2.892.905,254	33,039	32,577	56	76	69.529	22.937,913	217.927,515	9,501	9,039
7	27	98.568	85.809,548	2.805.344,800	32,693	32,231	57	77	66.987	21.666,141	194.989,601	9,000	8,538
8	28	98.527	84.092,105	2.719.535,253	32,340	31,878	58	78	64.247	20.372,464	173.323,460	8,508	8,046
9	29	98.486	82.408,970	2.635.443,147	31,980	31,518	59	79	61.276	19.049,473	152.950,995	8,029	7,568
10	30	98.448	80.761,900	2.553.034,177	31,612	31,150	60	80	58.082	17.702,281	133.901,522	7,564	7,102
11	31	98.407	79.144,972	2.472.272,277	31,237	30,776	61	81	54.630	16.323,858	116.199,241	7,118	6,657
12	32	98.357	77.554,187	2.393.127,305	30,857	30,396	62	82	50.965	14.930,160	99.875,383	6,690	6,228
13	33	98.310	75.996,555	2.315.573,119	30,469	30,008	63	83	47.030	13.507,061	84.945,223	6,289	5,827
14	34	98.258	74.466,999	2.239.576,564	30,075	29,613	64	84	43.029	12.115,657	71.438,162	5,896	5,435
15	35	98.193	72.959,172	2.165.109,565	29,676	29,214	65	85	38.946	10.751,160	59.322,505	5,518	5,056
16	36	98.120	71.475,116	2.092.150,394	29,271	28,809	66	86	34.942	9.456,624	48.571,345	5,136	4,675
17	37	98.027	70.007,195	2.020.675,278	28,864	28,402	67	87	30.818	8.177,013	39.114,721	4,783	4,322
18	38	97.917	68.557,651	1.950.668,083	28,453	27,991	68	88	26.603	6.920,216	30.937,707	4,471	4,009
19	39	97.774	67.115,420	1.882.110,432	28,043	27,581	69	89	22.558	5.752,887	24.017,492	4,175	3,713
20	40	97.618	65.693,822	1.814.995,012	27,628	27,166	70	90	18.719	4.680,370	18.264,605	3,902	3,441
21	41	97.458	64.300,753	1.749.301,190	27,205	26,743	71	91	15.213	3.729,069	13.584,235	3,643	3,181
22	42	97.286	62.928,260	1.685.000,436	26,777	26,315	72	92	11.973	2.877,272	9.855,165	3,425	2,964
23	43	97.103	61.578,524	1.622.072,176	26,342	25,880	73	93	9.179	2.162,568	6.977,893	3,227	2,765
24	44	96.905	60.248,049	1.560.493,652	25,901	25,440	74	94	6.847	1.581,457	4.815,325	3,045	2,583
25	45	96.700	58.941,696	1.500.245,603	25,453	24,991	75	95	4.962	1.123,650	3.233,868	2,878	2,416
26	46	96.476	57.652,126	1.441.303,907	25,000	24,538	76	96	3.489	774,589	2.110,218	2,724	2,263
27	47	96.234	56.379,830	1.383.651,781	24,542	24,080	77	97	2.377	517,447	1.335,629	2,581	2,120
28	48	95.978	55.127,402	1.327.271,951	24,076	23,615	78	98	1.566	334,112	818,182	2,449	1,987
29	49	95.704	53.892,256	1.272.144,549	23,605	23,144	79	99	994	207,998	484,070	2,327	1,866
30	50	95.407	52.671,312	1.218.252,294	23,129	22,668	80	100	608	124,687	276,072	2,214	1,753
31	51	95.096	51.470,440	1.165.580,982	22,646	22,184	81	101	357	71,736	151,385	2,110	1,649
32	52	94.757	50.281,335	1.114.110,542	22,158	21,696	82	102	201	39,553	79,649	2,014	1,552
33	53	94.393	49.106,133	1.063.829,207	21,664	21,202	83	103	108	20,780	40,096	1,930	1,468
34	54	94.013	47.949,155	1.014.723,074	21,162	20,701	84	104	55	10,431	19,316	1,852	1,390
35	55	93.596	46.800,725	966.773,919	20,657	20,196	85	105	27	4,994	8,884	1,779	1,317
36	56	93.144	45.661,477	919.973,193	20,148	19,686	86	106					
37	57	92.666	44.536,099	874.311,716	19,632	19,170	87	107					
38	58	92.141	43.415,456	829.775,617	19,112	18,651	88	108					
39	59	91.570	42.300,830	786.360,161	18,590	18,128	89	109					
40	60	90.965	41.196,976	744.059,331	18,061	17,599	90	110					
41	61	90.308	40.097,705	702.862,355	17,529	17,067	91	111					
42	62	89.629	39.015,997	662.764,650	16,987	16,525	92	112					
43	63	88.869	37.926,435	623.748,653	16,446	15,985	93						
44	64	88.046	36.838,447	585.822,218	15,902	15,441	94						
45	65	87.167	35.755,828	548.983,771	15,354	14,892	95						
46	66	86.190	34.661,444	513.227,943	14,807	14,345	96						
47	67	85.119	33.559,750	478.566,499	14,260	13,799	97						
48	68	83.938	32.445,208	445.006,749	13,716	13,254	98						
49	69	82.639	31.316,835	412.561,541	13,174	12,712	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -21 Jahre

Zinsfuß 2,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	21	99.293	99.292,607	3.432.164,946	34,566	34,105	50	71	80.064	29.746,128	361.994,000	12,169	11,708
1	22	98.815	96.877,864	3.332.872,339	34,403	33,941	51	72	78.376	28.547,905	332.247,872	11,638	11,177
2	23	98.749	94.914,224	3.235.994,475	34,094	33,632	52	73	76.564	27.341,154	303.699,967	11,108	10,646
3	24	98.703	93.010,153	3.141.080,251	33,771	33,310	53	74	74.565	26.104,966	276.358,812	10,586	10,125
4	25	98.658	91.145,021	3.048.070,098	33,442	32,980	54	75	72.409	24.853,355	250.253,846	10,069	9,608
5	26	98.621	89.323,895	2.956.925,077	33,103	32,642	55	76	70.053	23.573,126	225.400,492	9,562	9,100
6	27	98.580	87.535,941	2.867.601,182	32,759	32,298	56	77	67.516	22.273,899	201.827,366	9,061	8,600
7	28	98.539	85.784,540	2.780.065,241	32,408	31,946	57	78	64.808	20.961,287	179.553,467	8,566	8,104
8	29	98.498	84.067,145	2.694.280,701	32,049	31,588	58	79	61.866	19.617,418	158.592,179	8,084	7,623
9	30	98.458	82.384,848	2.610.213,556	31,683	31,222	59	80	58.699	18.248,135	138.974,762	7,616	7,154
10	31	98.416	80.735,457	2.527.828,708	31,310	30,848	60	81	55.252	16.839,925	120.726,626	7,169	6,707
11	32	98.372	79.116,700	2.447.093,251	30,930	30,469	61	82	51.585	15.413,903	103.886,701	6,740	6,278
12	33	98.322	77.526,610	2.367.976,550	30,544	30,082	62	83	47.672	13.965,312	88.472,798	6,335	5,874
13	34	98.270	75.966,188	2.290.449,940	30,151	29,689	63	84	43.660	12.539,173	74.507,486	5,942	5,480
14	35	98.212	74.432,087	2.214.483,752	29,752	29,290	64	85	39.571	11.142,024	61.968,313	5,562	5,100
15	36	98.143	72.921,820	2.140.051,665	29,347	28,886	65	86	35.565	9.817,695	50.826,289	5,177	4,715
16	37	98.065	71.434,700	2.067.129,845	28,937	28,476	66	87	31.419	8.503,260	41.008,594	4,823	4,361
17	38	97.967	69.964,266	1.995.695,145	28,524	28,063	67	88	27.185	7.213,126	32.505,334	4,506	4,045
18	39	97.849	68.509,694	1.925.730,880	28,109	27,647	68	89	23.104	6.010,020	25.292,208	4,208	3,747
19	40	97.696	67.061,711	1.857.221,186	27,694	27,233	69	90	19.214	4.900,166	19.282,188	3,935	3,473
20	41	97.533	65.636,670	1.790.159,476	27,274	26,812	70	91	15.660	3.915,308	14.382,022	3,673	3,212
21	42	97.362	64.237,193	1.724.522,806	26,846	26,385	71	92	12.362	3.030,242	10.466,714	3,454	2,992
22	43	97.176	62.857,486	1.660.285,613	26,413	25,952	72	93	9.514	2.286,309	7.436,472	3,253	2,791
23	44	96.977	61.498,594	1.597.428,127	25,975	25,513	73	94	7.123	1.678,173	5.150,163	3,069	2,607
24	45	96.770	60.164,184	1.535.929,533	25,529	25,067	74	95	5.182	1.196,940	3.471,990	2,901	2,439
25	46	96.547	58.848,214	1.475.765,349	25,077	24,616	75	96	3.658	828,381	2.275,050	2,746	2,285
26	47	96.303	57.548,584	1.416.917,136	24,621	24,160	76	97	2.502	555,508	1.446,668	2,604	2,143
27	48	96.047	56.270,191	1.359.368,552	24,158	23,696	77	98	1.656	360,528	891,160	2,472	2,010
28	49	95.775	55.010,535	1.303.098,361	23,688	23,227	78	99	1.058	225,869	530,632	2,349	1,888
29	50	95.474	53.762,552	1.248.087,825	23,215	22,753	79	100	651	136,254	304,763	2,237	1,775
30	51	95.166	52.538,231	1.194.325,274	22,732	22,271	80	101	385	79,045	168,508	2,132	1,670
31	52	94.832	51.327,494	1.141.787,042	22,245	21,784	81	102	219	43,953	89,463	2,035	1,574
32	53	94.471	50.129,324	1.090.459,548	21,753	21,291	82	103	119	23,392	45,511	1,946	1,484
33	54	94.095	48.951,078	1.040.330,224	21,252	20,791	83	104	61	11,847	22,119	1,867	1,405
34	55	93.686	47.782,376	991.379,146	20,748	20,286	84	105	30	5,725	10,272	1,794	1,333
35	56	93.242	46.623,498	943.596,769	20,239	19,777	85	106					
36	57	92.770	45.478,159	896.973,271	19,723	19,262	86	107					
37	58	92.252	44.337,331	851.495,113	19,205	18,743	87	108					
38	59	91.697	43.206,383	807.157,782	18,681	18,220	88	109					
39	60	91.105	42.085,782	763.951,399	18,152	17,691	89	110					
40	61	90.464	40.970,218	721.865,617	17,619	17,158	90	111					
41	62	89.800	39.872,061	680.895,400	17,077	16,615	91	112					
42	63	89.065	38.770,473	641.023,338	16,534	16,072	92						
43	64	88.264	37.668,465	602.252,865	15,988	15,527	93						
44	65	87.402	36.569,054	564.584,400	15,439	14,977	94						
45	66	86.456	35.463,797	528.015,346	14,889	14,427	95						
46	67	85.409	34.347,530	492.551,548	14,340	13,879	96						
47	68	84.254	33.218,616	458.204,019	13,794	13,332	97						
48	69	82.978	32.074,113	424.985,403	13,250	12,788	98						
49	70	81.585	30.917,289	392.911,289	12,708	12,247	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -22 Jahre

Zinsfuß 2,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	22	99.268	99.268,313	3.405.875,939	34,310	33,848	50	72	78.766	29.263,876	342.452,998	11,702	11,241
1	23	98.789	96.851,635	3.306.607,626	34,141	33,679	51	73	76.963	28.033,212	313.189,122	11,172	10,710
2	24	98.723	94.889,460	3.209.755,990	33,826	33,365	52	74	75.004	26.784,151	285.155,910	10,646	10,185
3	25	98.676	92.984,884	3.114.866,530	33,499	33,037	53	75	72.867	25.510,772	258.371,759	10,128	9,666
4	26	98.634	91.122,593	3.021.881,646	33,163	32,701	54	76	70.532	24.208,969	232.860,987	9,619	9,157
5	27	98.593	89.298,888	2.930.759,053	32,820	32,358	55	77	68.025	22.890,723	208.652,018	9,115	8,654
6	28	98.551	87.510,430	2.841.460,165	32,470	32,008	56	78	65.319	21.549,273	185.761,295	8,620	8,159
7	29	98.510	85.759,077	2.753.949,735	32,113	31,651	57	79	62.406	20.184,418	164.212,022	8,136	7,674
8	30	98.469	84.042,538	2.668.190,658	31,748	31,286	58	80	59.264	18.792,189	144.027,605	7,664	7,203
9	31	98.425	82.357,874	2.584.148,120	31,377	30,915	59	81	55.839	17.359,189	125.235,416	7,214	6,753
10	32	98.381	80.706,618	2.501.790,246	30,999	30,537	60	82	52.172	15.901,202	107.876,227	6,784	6,323
11	33	98.337	79.088,568	2.421.083,628	30,612	30,151	61	83	48.251	14.417,793	91.975,024	6,379	5,918
12	34	98.283	77.495,632	2.341.995,060	30,221	29,759	62	84	44.256	12.964,586	77.557,231	5,982	5,521
13	35	98.224	75.930,574	2.264.499,427	29,823	29,362	63	85	40.151	11.531,506	64.592,645	5,601	5,140
14	36	98.161	74.393,981	2.188.568,853	29,419	28,957	64	86	36.135	10.174,622	53.061,139	5,215	4,753
15	37	98.088	72.880,585	2.114.174,872	29,009	28,547	65	87	31.979	8.827,930	42.886,517	4,858	4,396
16	38	98.004	71.390,895	2.041.294,287	28,593	28,132	66	88	27.716	7.500,915	34.058,587	4,541	4,079
17	39	97.898	69.915,325	1.969.903,392	28,176	27,714	67	89	23.610	6.264,405	26.557,672	4,239	3,778
18	40	97.770	68.454,868	1.899.988,068	27,755	27,294	68	90	19.679	5.119,186	20.293,267	3,964	3,503
19	41	97.611	67.003,368	1.831.533,200	27,335	26,873	69	91	16.073	4.099,176	15.174,081	3,702	3,240
20	42	97.436	65.571,789	1.764.529,832	26,910	26,448	70	92	12.725	3.181,579	11.074,905	3,481	3,019
21	43	97.253	64.164,947	1.698.958,043	26,478	26,016	71	93	9.823	2.407,861	7.893,326	3,278	2,817
22	44	97.050	62.775,896	1.634.793,096	26,042	25,580	72	94	7.383	1.774,197	5.485,465	3,092	2,630
23	45	96.842	61.412,987	1.572.017,200	25,597	25,136	73	95	5.391	1.270,141	3.711,268	2,922	2,460
24	46	96.617	60.068,763	1.510.604,213	25,148	24,686	74	96	3.820	882,413	2.441,128	2,766	2,305
25	47	96.373	58.742,523	1.450.535,450	24,693	24,231	75	97	2.623	594,086	1.558,715	2,624	2,162
26	48	96.116	57.436,672	1.391.792,927	24,232	23,770	76	98	1.743	387,047	964,629	2,492	2,031
27	49	95.843	56.150,902	1.334.356,255	23,764	23,302	77	99	1.120	243,727	577,582	2,370	1,908
28	50	95.544	54.878,140	1.278.205,353	23,292	22,830	78	100	693	147,961	333,855	2,256	1,795
29	51	95.233	53.626,714	1.223.327,212	22,812	22,350	79	101	413	86,378	185,894	2,152	1,690
30	52	94.901	52.392,320	1.169.700,498	22,326	21,864	80	102	236	48,431	99,515	2,055	1,593
31	53	94.545	51.172,321	1.117.308,179	21,834	21,373	81	103	129	25,994	51,084	1,965	1,504
32	54	94.172	49.971,039	1.066.135,858	21,335	20,873	82	104	68	13,336	25,091	1,881	1,420
33	55	93.768	48.780,815	1.016.164,819	20,831	20,370	83	105	34	6,502	11,755	1,808	1,346
34	56	93.331	47.601,431	967.384,004	20,323	19,861	84	106					
35	57	92.868	46.436,317	919.782,573	19,807	19,346	85	107					
36	58	92.356	45.275,186	873.346,256	19,290	18,828	86	108					
37	59	91.808	44.123,819	828.071,070	18,767	18,305	87	109					
38	60	91.231	42.986,731	783.947,251	18,237	17,775	88	110					
39	61	90.604	41.854,131	740.960,520	17,703	17,242	89	111					
40	62	89.955	40.739,664	699.106,389	17,160	16,699	90	112					
41	63	89.235	39.621,150	658.366,726	16,617	16,155	91						
42	64	88.459	38.506,763	618.745,575	16,068	15,607	92						
43	65	87.619	37.393,003	580.238,812	15,517	15,056	93						
44	66	86.688	36.270,381	542.845,809	14,967	14,505	94						
45	67	85.673	35.142,616	506.575,428	14,415	13,953	95						
46	68	84.541	33.998,387	471.432,812	13,866	13,405	96						
47	69	83.290	32.838,675	437.434,425	13,321	12,859	97						
48	70	81.919	31.664,906	404.595,749	12,777	12,316	98						
49	71	80.425	30.477,845	372.930,843	12,236	11,775	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -23 Jahre

Zinsfuß 2,00%

Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	23	99.241	99.241,437	3.378.747,377	34,046	33,584	50	73	77.346	28.736,274	322.689,081	11,229	10,768
1	24	98.763	96.826,366	3.279.505,939	33,870	33,408	51	74	75.395	27.462,109	293.952,808	10,704	10,242
2	25	98.696	94.863,681	3.182.679,573	33,550	33,088	52	75	73.297	26.174,498	266.490,698	10,181	9,720
3	26	98.652	92.962,003	3.087.815,893	33,216	32,754	53	76	70.978	24.849,341	240.316,201	9,671	9,209
4	27	98.606	91.097,082	2.994.853,889	32,875	32,414	54	77	68.490	23.508,159	215.466,860	9,166	8,704
5	28	98.564	89.272,864	2.903.756,807	32,527	32,065	55	78	65.812	22.146,030	191.958,700	8,668	8,206
6	29	98.522	87.484,455	2.814.483,943	32,171	31,710	56	79	62.899	20.750,611	169.812,670	8,184	7,722
7	30	98.481	85.733,975	2.726.999,488	31,808	31,346	57	80	59.781	19.335,337	149.062,059	7,709	7,248
8	31	98.437	84.015,021	2.641.265,513	31,438	30,976	58	81	56.377	17.876,739	129.726,722	7,257	6,795
9	32	98.390	82.328,455	2.557.250,492	31,062	30,600	59	82	52.727	16.391,520	111.849,983	6,824	6,362
10	33	98.346	80.677,921	2.474.922,037	30,677	30,215	60	83	48.801	14.873,601	95.458,462	6,418	5,956
11	34	98.297	79.056,966	2.394.244,117	30,285	29,823	61	84	44.794	13.384,644	80.584,861	6,021	5,559
12	35	98.237	77.459,301	2.315.187,150	29,889	29,427	62	85	40.699	11.922,732	67.200,217	5,636	5,175
13	36	98.174	75.891,701	2.237.727,849	29,486	29,024	63	86	36.665	10.530,287	55.277,485	5,249	4,788
14	37	98.106	74.351,914	2.161.836,149	29,076	28,614	64	87	32.492	9.148,874	44.747,198	4,891	4,429
15	38	98.028	72.835,894	2.087.484,234	28,660	28,198	65	88	28.210	7.787,314	35.598,324	4,571	4,110
16	39	97.936	71.340,956	2.014.648,341	28,240	27,778	66	89	24.070	6.514,342	27.811,010	4,269	3,808
17	40	97.820	69.859,374	1.943.307,385	27,817	27,356	67	90	20.110	5.335,865	21.296,668	3,991	3,530
18	41	97.685	68.395,313	1.873.448,011	27,391	26,930	68	91	16.463	4.282,394	15.960,803	3,727	3,265
19	42	97.515	66.937,136	1.805.052,697	26,966	26,505	69	92	13.061	3.330,990	11.678,409	3,506	3,044
20	43	97.327	65.498,042	1.738.115,561	26,537	26,075	70	93	10.111	2.528,115	8.347,419	3,302	2,840
21	44	97.126	64.081,660	1.672.617,519	26,101	25,640	71	94	7.623	1.868,522	5.819,304	3,114	2,653
22	45	96.915	62.688,512	1.608.535,860	25,659	25,198	72	95	5.588	1.342,818	3.950,782	2,942	2,481
23	46	96.689	61.315,586	1.545.847,348	25,211	24,750	73	96	3.974	936,378	2.607,964	2,785	2,324
24	47	96.443	59.960,880	1.484.531,762	24,758	24,297	74	97	2.740	632,835	1.671,587	2,641	2,180
25	48	96.186	58.628,290	1.424.570,882	24,298	23,837	75	98	1.828	413,926	1.038,752	2,510	2,048
26	49	95.912	57.314,910	1.365.942,592	23,832	23,371	76	99	1.179	261,655	624,826	2,388	1,926
27	50	95.613	56.015,763	1.308.627,682	23,362	22,900	77	100	734	159,660	363,171	2,275	1,813
28	51	95.303	54.739,484	1.252.611,920	22,883	22,422	78	101	440	93,800	203,511	2,170	1,708
29	52	94.968	53.477,779	1.197.872,436	22,399	21,938	79	102	253	52,924	109,712	2,073	1,611
30	53	94.615	52.233,927	1.144.394,657	21,909	21,447	80	103	140	28,642	56,788	1,983	1,521
31	54	94.247	51.010,742	1.092.160,730	21,410	20,949	81	104	74	14,819	28,145	1,899	1,438
32	55	93.845	49.797,228	1.041.149,988	20,908	20,446	82	105	37	7,319	13,326	1,821	1,359
33	56	93.413	48.596,089	991.352,760	20,400	19,938	83	106					
34	57	92.956	47.410,325	942.756,671	19,885	19,423	84	107					
35	58	92.453	46.229,068	895.346,347	19,368	18,906	85	108					
36	59	91.912	45.057,157	849.117,279	18,845	18,384	86	109					
37	60	91.341	43.899,503	804.060,121	18,316	17,854	87	110					
38	61	90.729	42.750,121	760.160,619	17,781	17,320	88	111					
39	62	90.094	41.618,603	717.410,497	17,238	16,776	89	112					
40	63	89.389	40.483,293	675.791,894	16,693	16,231	90						
41	64	88.628	39.351,654	635.308,601	16,144	15,683	91						
42	65	87.813	38.225,170	595.956,947	15,591	15,129	92						
43	66	86.903	37.087,600	557.731,777	15,038	14,577	93						
44	67	85.903	35.941,895	520.644,177	14,486	14,024	94						
45	68	84.802	34.785,392	484.702,282	13,934	13,472	95						
46	69	83.574	33.609,528	449.916,890	13,387	12,925	96						
47	70	82.228	32.419,714	416.307,361	12,841	12,380	97						
48	71	80.755	31.214,836	383.887,648	12,298	11,837	98						
49	72	79.121	29.983,730	352.672,812	11,762	11,301	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -24 Jahre

Zinsfuß 2,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	24	99.216	99.215,545	3.350.782,205	33,773	33,311	50	74	75.770	28.150,848	302.762,570	10,755	10,293
1	25	98.736	96.800,060	3.251.566,660	33,591	33,129	51	75	73.679	26.837,025	274.611,722	10,233	9,771
2	26	98.672	94.840,338	3.154.766,599	33,264	32,802	52	76	71.397	25.495,857	247.774,697	9,718	9,257
3	27	98.624	92.935,978	3.059.926,262	32,925	32,463	53	77	68.923	24.129,994	222.278,839	9,212	8,750
4	28	98.578	91.070,534	2.966.990,284	32,579	32,117	54	78	66.262	22.743,380	198.148,846	8,712	8,251
5	29	98.535	89.246,366	2.875.919,750	32,225	31,763	55	79	63.373	21.325,252	175.405,466	8,225	7,764
6	30	98.493	87.458,848	2.786.673,384	31,863	31,401	56	80	60.253	19.877,713	154.080,214	7,751	7,290
7	31	98.449	85.705,904	2.699.214,536	31,494	31,032	57	81	56.869	18.393,428	134.202,501	7,296	6,835
8	32	98.402	83.985,010	2.613.508,632	31,119	30,657	58	82	53.234	16.880,220	115.809,073	6,861	6,399
9	33	98.355	82.299,181	2.529.523,622	30,736	30,274	59	83	49.319	15.332,233	98.928,853	6,452	5,991
10	34	98.307	80.645,684	2.447.224,442	30,345	29,884	60	84	45.304	13.807,790	83.596,620	6,054	5,593
11	35	98.251	79.019,903	2.366.578,758	29,949	29,488	61	85	41.194	12.309,033	69.788,830	5,670	5,208
12	36	98.187	77.419,645	2.287.558,855	29,548	29,086	62	86	37.166	10.887,546	57.479,797	5,279	4,818
13	37	98.118	75.848,787	2.210.139,210	29,139	28,677	63	87	32.969	9.468,682	46.592,251	4,921	4,459
14	38	98.046	74.306,320	2.134.290,423	28,723	28,261	64	88	28.662	8.070,426	37.123,569	4,600	4,138
15	39	97.959	72.784,944	2.059.984,102	28,302	27,841	65	89	24.499	6.763,072	29.053,143	4,296	3,834
16	40	97.857	71.283,864	1.987.199,159	27,877	27,416	66	90	20.503	5.548,755	22.290,072	4,017	3,556
17	41	97.735	69.798,598	1.915.915,294	27,449	26,988	67	91	16.823	4.463,654	16.741,316	3,751	3,289
18	42	97.589	68.327,706	1.846.116,696	27,019	26,557	68	92	13.378	3.479,874	12.277,663	3,528	3,067
19	43	97.405	66.861,854	1.777.788,991	26,589	26,127	69	93	10.379	2.646,838	8.797,789	3,324	2,862
20	44	97.200	65.413,024	1.710.927,137	26,156	25,694	70	94	7.846	1.961,840	6.150,951	3,135	2,674
21	45	96.991	63.992,458	1.645.514,113	25,714	25,253	71	95	5.769	1.414,208	4.189,110	2,962	2,501
22	46	96.761	62.589,087	1.581.521,655	25,268	24,807	72	96	4.119	989,957	2.774,902	2,803	2,341
23	47	96.515	61.205,464	1.518.932,568	24,817	24,355	73	97	2.850	671,537	1.784,945	2,658	2,196
24	48	96.256	59.844,278	1.457.727,104	24,359	23,897	74	98	1.909	440,925	1.113,408	2,525	2,064
25	49	95.982	58.504,002	1.397.882,827	23,894	23,432	75	99	1.236	279,826	672,484	2,403	1,942
26	50	95.681	57.176,969	1.339.378,825	23,425	22,964	76	100	772	171,403	392,658	2,291	1,829
27	51	95.371	55.874,231	1.282.201,856	22,948	22,486	77	101	465	101,216	221,255	2,186	1,724
28	52	95.038	54.587,459	1.226.327,624	22,465	22,004	78	102	269	57,471	120,039	2,089	1,627
29	53	94.681	53.316,105	1.171.740,166	21,977	21,516	79	103	150	31,299	62,568	1,999	1,537
30	54	94.316	52.068,996	1.118.424,060	21,480	21,018	80	104	80	16,329	31,268	1,915	1,453
31	55	93.919	50.833,314	1.066.355,064	20,977	20,516	81	105	40	8,133	14,939	1,837	1,375
32	56	93.490	49.608,653	1.015.521,750	20,471	20,009	82	106					
33	57	93.038	48.400,989	965.913,098	19,956	19,495	83	107					
34	58	92.541	47.198,728	917.512,109	19,439	18,978	84	108					
35	59	92.008	46.006,446	870.313,380	18,917	18,456	85	109					
36	60	91.444	44.828,097	824.306,934	18,388	17,927	86	110					
37	61	90.838	43.657,869	779.478,838	17,854	17,393	87	111					
38	62	90.218	42.509,551	735.820,969	17,310	16,848	88	112					
39	63	89.527	41.356,701	693.311,418	16,764	16,303	89						
40	64	88.781	40.207,933	651.954,716	16,215	15,753	90						
41	65	87.980	39.063,882	611.746,784	15,660	15,199	91						
42	66	87.095	37.912,971	572.682,901	15,105	14,644	92						
43	67	86.116	36.751,713	534.769,930	14,551	14,089	93						
44	68	85.030	35.576,546	498.018,217	13,998	13,537	94						
45	69	83.832	34.387,532	462.441,671	13,448	12,986	95						
46	70	82.508	33.180,732	428.054,140	12,901	12,439	96						
47	71	81.059	31.958,915	394.873,408	12,356	11,894	97						
48	72	79.446	30.708,773	362.914,493	11,818	11,356	98						
49	73	77.695	29.443,150	332.205,720	11,283	10,821	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -25 Jahre

Zinsfuß 2,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	25	99.189	99.188,590	3.321.979,300	33,492	33,030	50	75	74.046	27.510,087	282.747,396	10,278	9,816
1	26	98.712	96.776,241	3.222.790,710	33,301	32,840	51	76	71.769	26.141,207	255.237,309	9,764	9,302
2	27	98.644	94.813,786	3.126.014,468	32,970	32,508	52	77	69.330	24.757,795	229.096,102	9,253	8,792
3	28	98.596	92.908,893	3.031.200,682	32,626	32,164	53	78	66.681	23.344,985	204.338,308	8,753	8,291
4	29	98.548	91.043,502	2.938.291,789	32,273	31,812	54	79	63.806	21.900,462	180.993,323	8,264	7,803
5	30	98.506	89.220,242	2.847.248,286	31,913	31,451	55	80	60.707	20.428,180	159.092,861	7,788	7,326
6	31	98.461	87.430,212	2.758.028,044	31,545	31,084	56	81	57.317	18.909,383	138.664,681	7,333	6,872
7	32	98.414	85.675,289	2.670.597,832	31,171	30,710	57	82	53.699	17.368,107	119.755,298	6,895	6,434
8	33	98.367	83.955,147	2.584.922,542	30,789	30,328	58	83	49.794	15.789,351	102.387,191	6,485	6,023
9	34	98.316	82.266,296	2.500.967,396	30,401	29,939	59	84	45.785	14.233,557	86.597,840	6,084	5,622
10	35	98.261	80.607,875	2.418.701,100	30,006	29,544	60	85	41.663	12.698,175	72.364,283	5,699	5,237
11	36	98.201	78.979,448	2.338.093,224	29,604	29,142	61	86	37.617	11.240,306	59.666,109	5,308	4,847
12	37	98.131	77.375,867	2.259.113,776	29,197	28,735	62	87	33.419	9.789,924	48.425,802	4,946	4,485
13	38	98.058	75.802,275	2.181.737,909	28,782	28,320	63	88	29.082	8.352,536	38.635,878	4,626	4,164
14	39	97.977	74.254,342	2.105.935,633	28,361	27,900	64	89	24.892	7.008,947	30.283,342	4,321	3,859
15	40	97.881	72.726,697	2.031.681,291	27,936	27,474	65	90	20.868	5.760,617	23.274,396	4,040	3,579
16	41	97.772	71.221,849	1.958.954,594	27,505	27,043	66	91	17.151	4.641,745	17.513,779	3,773	3,311
17	42	97.638	69.729,603	1.887.732,746	27,072	26,611	67	92	13.670	3.627,165	12.872,034	3,549	3,087
18	43	97.479	68.250,859	1.818.003,143	26,637	26,175	68	93	10.630	2.765,143	9.244,869	3,343	2,882
19	44	97.279	66.775,066	1.749.752,284	26,204	25,742	69	94	8.054	2.053,971	6.479,727	3,155	2,693
20	45	97.065	65.321,969	1.682.977,218	25,764	25,303	70	95	5.939	1.484,837	4.425,756	2,981	2,519
21	46	96.837	63.890,965	1.617.655,249	25,319	24,857	71	96	4.253	1.042,588	2.940,918	2,821	2,359
22	47	96.588	62.476,678	1.553.764,284	24,870	24,408	72	97	2.954	709,962	1.898,331	2,674	2,212
23	48	96.327	61.086,441	1.491.287,606	24,413	23,951	73	98	1.986	467,890	1.188,369	2,540	2,078
24	49	96.052	59.717,412	1.430.201,165	23,949	23,488	74	99	1.290	298,077	720,479	2,417	1,955
25	50	95.751	58.363,199	1.370.483,753	23,482	23,020	75	100	809	183,307	422,402	2,304	1,843
26	51	95.439	57.032,504	1.312.120,554	23,007	22,545	76	101	489	108,661	239,095	2,200	1,739
27	52	95.106	55.719,055	1.255.088,050	22,525	22,064	77	102	285	62,015	130,434	2,103	1,642
28	53	94.751	54.422,430	1.199.368,995	22,038	21,577	78	103	159	33,989	68,419	2,013	1,551
29	54	94.382	53.147,757	1.144.946,565	21,543	21,081	79	104	85	17,844	34,431	1,930	1,468
30	55	93.988	51.887,888	1.091.798,808	21,041	20,580	80	105	44	8,962	16,587	1,851	1,389
31	56	93.563	50.640,816	1.039.910,920	20,535	20,073	81	106					
32	57	93.114	49.409,488	989.270,105	20,022	19,560	82	107					
33	58	92.623	48.184,971	939.860,617	19,505	19,044	83	108					
34	59	92.096	46.971,437	891.675,646	18,983	18,522	84	109					
35	60	91.540	45.772,559	844.704,209	18,454	17,993	85	110					
36	61	90.941	44.581,351	798.931,650	17,921	17,459	86	111					
37	62	90.327	43.412,191	754.350,299	17,376	16,915	87	112					
38	63	89.650	42.242,043	710.938,108	16,830	16,368	88						
39	64	88.918	41.075,400	668.696,065	16,280	15,818	89						
40	65	88.131	39.913,899	627.620,665	15,724	15,263	90						
41	66	87.261	38.744,833	587.706,766	15,169	14,707	91						
42	67	86.307	37.569,609	548.961,933	14,612	14,150	92						
43	68	85.241	36.378,132	511.392,324	14,058	13,596	93						
44	69	84.057	35.169,637	475.014,192	13,506	13,045	94						
45	70	82.762	33.948,809	439.844,555	12,956	12,495	95						
46	71	81.335	32.709,117	405.895,746	12,409	11,948	96						
47	72	79.745	31.440,788	373.186,629	11,870	11,408	97						
48	73	78.013	30.155,121	341.745,841	11,333	10,871	98						
49	74	76.112	28.843,324	311.590,720	10,803	10,341	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 1 Jahr

Zinsfuß 2,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	49	91.859	34.128,177	663.474,711	19,441	18,979
1	0	99.544	97.591,931	3.700.932,546	37,923	37,461	51	50	91.184	33.213,069	629.346,533	18,949	18,487
2	1	99.126	95.276,573	3.603.340,615	37,820	37,358	52	51	90.482	32.311,291	596.133,464	18,450	17,988
3	2	99.070	93.356,152	3.508.064,042	37,577	37,116	53	52	89.702	31.404,490	563.822,173	17,954	17,492
4	3	99.033	91.490,850	3.414.707,890	37,323	36,861	54	53	88.868	30.502,695	532.417,683	17,455	16,993
5	4	99.002	89.669,489	3.323.217,040	37,061	36,599	55	54	87.986	29.607,765	501.914,988	16,952	16,491
6	5	98.976	87.887,873	3.233.547,551	36,792	36,330	56	55	87.024	28.709,732	472.307,223	16,451	15,990
7	6	98.952	86.143,276	3.145.659,678	36,517	36,055	57	56	86.015	27.820,616	443.597,491	15,945	15,483
8	7	98.930	84.435,983	3.059.516,402	36,235	35,773	58	57	84.929	26.930,553	415.776,875	15,439	14,977
9	8	98.910	82.763,324	2.975.080,418	35,947	35,485	59	58	83.744	26.034,172	388.846,322	14,936	14,474
10	9	98.891	81.125,133	2.892.317,094	35,653	35,191	60	59	82.465	25.133,794	362.812,150	14,435	13,974
11	10	98.875	79.521,831	2.811.191,962	35,351	34,890	61	60	81.122	24.239,699	337.678,356	13,931	13,469
12	11	98.853	77.944,761	2.731.670,130	35,046	34,585	62	61	79.706	23.349,737	313.438,658	13,424	12,962
13	12	98.831	76.399,288	2.653.725,369	34,735	34,273	63	62	78.190	22.456,464	290.088,921	12,918	12,456
14	13	98.809	74.885,191	2.577.326,081	34,417	33,955	64	63	76.575	21.561,445	267.632,457	12,413	11,951
15	14	98.782	73.396,197	2.502.440,890	34,095	33,633	65	64	74.854	20.663,553	246.071,012	11,908	11,447
16	15	98.747	71.931,699	2.429.044,693	33,769	33,307	66	65	73.005	19.758,047	225.407,459	11,408	10,947
17	16	98.691	70.481,668	2.357.112,994	33,443	32,981	67	66	71.024	18.844,805	205.649,412	10,913	10,451
18	17	98.620	69.050,025	2.286.631,326	33,116	32,654	68	67	68.873	17.915,817	186.804,607	10,427	9,965
19	18	98.524	67.629,872	2.217.581,301	32,790	32,328	69	68	66.561	16.974,982	168.888,790	9,949	9,488
20	19	98.416	66.231,341	2.149.951,430	32,461	32,000	70	69	64.105	16.028,129	151.913,809	9,478	9,016
21	20	98.314	64.865,335	2.083.720,089	32,124	31,662	71	70	61.483	15.070,959	135.885,680	9,016	8,555
22	21	98.206	63.523,532	2.018.854,753	31,781	31,320	72	71	58.700	14.106,764	120.814,720	8,564	8,103
23	22	98.108	62.215,792	1.955.331,221	31,428	30,967	73	72	55.716	13.126,944	106.707,957	8,129	7,667
24	23	98.009	60.934,162	1.893.115,429	31,068	30,607	74	73	52.589	12.147,386	93.581,013	7,704	7,242
25	24	97.912	59.680,453	1.832.181,268	30,700	30,238	75	74	49.330	11.171,269	81.433,627	7,290	6,828
26	25	97.814	58.451,566	1.772.500,814	30,324	29,863	76	75	45.979	10.208,079	70.262,358	6,883	6,421
27	26	97.720	57.250,383	1.714.049,248	29,940	29,478	77	76	42.552	9.262,130	60.054,279	6,484	6,022
28	27	97.623	56.071,985	1.656.798,866	29,548	29,086	78	77	39.059	8.335,009	50.792,149	6,094	5,632
29	28	97.522	54.916,118	1.600.726,881	29,149	28,687	79	78	35.494	7.425,834	42.457,140	5,717	5,256
30	29	97.425	53.785,494	1.545.810,763	28,740	28,279	80	79	31.903	6.543,563	35.031,306	5,354	4,892
31	30	97.325	52.676,930	1.492.025,269	28,324	27,862	81	80	28.289	5.688,675	28.487,743	5,008	4,546
32	31	97.217	51.586,371	1.439.348,338	27,902	27,440	82	81	24.702	4.869,844	22.799,068	4,682	4,220
33	32	97.102	50.515,389	1.387.761,967	27,472	27,010	83	82	21.136	4.085,058	17.929,223	4,389	3,927
34	33	96.983	49.463,853	1.337.246,578	27,035	26,573	84	83	17.755	3.364,428	13.844,165	4,115	3,653
35	34	96.851	48.428,299	1.287.782,725	26,592	26,130	85	84	14.665	2.724,456	10.479,736	3,847	3,385
36	35	96.705	47.406,803	1.239.354,425	26,143	25,681	86	85	11.920	2.170,941	7.755,280	3,572	3,111
37	36	96.546	46.401,025	1.191.947,623	25,688	25,226	87	86	9.443	1.686,122	5.584,339	3,312	2,850
38	37	96.375	45.410,549	1.145.546,598	25,226	24,765	88	87	7.216	1.263,189	3.898,217	3,086	2,624
39	38	96.183	44.431,536	1.100.136,049	24,760	24,299	89	88	5.312	911,639	2.635,028	2,890	2,429
40	39	95.968	43.462,767	1.055.704,514	24,290	23,828	90	89	3.784	636,650	1.723,389	2,707	2,245
41	40	95.726	42.503,131	1.012.241,747	23,816	23,354	91	90	2.598	428,503	1.086,739	2,536	2,075
42	41	95.461	41.554,394	969.738,616	23,337	22,875	92	91	1.711	276,680	658,236	2,379	1,917
43	42	95.156	40.609,567	928.184,222	22,856	22,395	93	92	1.071	169,744	381,556	2,248	1,786
44	43	94.814	39.670,076	887.574,654	22,374	21,912	94	93	640	99,486	211,812	2,129	1,667
45	44	94.436	38.737,542	847.904,578	21,888	21,427	95	94	365	55,564	112,326	2,022	1,560
46	45	94.015	37.808,419	809.167,036	21,402	20,940	96	95	197	29,498	56,763	1,924	1,463
47	46	93.547	36.882,673	771.358,617	20,914	20,452	97	96	101	14,848	27,265	1,836	1,375
48	47	93.029	35.959,259	734.475,944	20,425	19,964	98	97	49	7,069	12,416	1,756	1,295
49	48	92.469	35.041,974	698.516,685	19,934	19,472	99	98	23	3,175	5,347	1,684	1,223
							100	99	10	1,342	2,172	1,619	1,157

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 2 Jahre

Zinsfuß 2,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	48	92.054	34.200,680	670.444,968	19,603	19,142
1							51	49	91.404	33.293,197	636.244,288	19,110	18,649
2	0	99.504	95.639,711	3.611.717,616	37,764	37,302	52	50	90.711	32.393,136	602.951,091	18,614	18,152
3	1	99.106	93.389,599	3.516.077,905	37,650	37,188	53	51	89.952	31.491,951	570.557,955	18,118	17,656
4	2	99.052	91.508,943	3.422.688,307	37,403	36,941	54	52	89.138	30.595,190	539.066,004	17,619	17,158
5	3	99.019	89.684,883	3.331.179,364	37,143	36,682	55	53	88.265	29.701,549	508.470,813	17,119	16,658
6	4	98.989	87.899,225	3.241.494,481	36,877	36,416	56	54	87.328	28.809,940	478.769,265	16,618	16,157
7	5	98.964	86.154,539	3.153.595,255	36,604	36,142	57	55	86.342	27.926,369	449.959,325	16,112	15,651
8	6	98.939	84.443,764	3.067.440,717	36,325	35,864	58	56	85.271	27.039,108	422.032,955	15,608	15,147
9	7	98.918	82.770,533	2.982.996,953	36,039	35,578	59	57	84.119	26.150,886	394.993,848	15,104	14,643
10	8	98.901	81.132,921	2.900.226,420	35,747	35,285	60	58	82.864	25.255,414	368.842,962	14,605	14,143
11	9	98.882	79.526,970	2.819.093,499	35,448	34,987	61	59	81.536	24.363,558	343.587,547	14,103	13,641
12	10	98.861	77.951,317	2.739.566,529	35,145	34,683	62	60	80.147	23.478,971	319.223,990	13,596	13,135
13	11	98.840	76.406,453	2.661.615,212	34,835	34,373	63	61	78.633	22.583,550	295.745,019	13,096	12,634
14	12	98.818	74.891,551	2.585.208,759	34,519	34,058	64	62	77.060	21.697,988	273.161,469	12,589	12,128
15	13	98.791	73.403,309	2.510.317,208	34,199	33,737	65	63	75.367	20.805,066	251.463,481	12,087	11,625
16	14	98.758	71.940,082	2.436.913,899	33,874	33,413	66	64	73.543	19.903,598	230.658,415	11,589	11,127
17	15	98.709	70.494,263	2.364.973,817	33,548	33,087	67	65	71.609	18.999,985	210.754,817	11,092	10,631
18	16	98.641	69.064,651	2.294.479,554	33,222	32,761	68	66	69.502	18.079,556	191.754,833	10,606	10,145
19	17	98.546	67.644,755	2.225.414,903	32,899	32,437	69	67	67.245	17.149,304	173.675,276	10,127	9,666
20	18	98.445	66.250,394	2.157.770,148	32,570	32,108	70	68	64.847	16.213,573	156.525,972	9,654	9,192
21	19	98.341	64.883,321	2.091.519,754	32,235	31,773	71	69	62.277	15.265,722	140.312,400	9,191	8,730
22	20	98.237	63.543,603	2.026.636,433	31,894	31,432	72	70	59.547	14.310,161	125.046,677	8,738	8,277
23	21	98.132	62.231,018	1.963.092,830	31,545	31,084	73	71	56.634	13.343,268	110.736,516	8,299	7,837
24	22	98.035	60.950,663	1.900.861,812	31,187	30,725	74	72	53.555	12.370,414	97.393,248	7,873	7,411
25	23	97.938	59.696,028	1.839.911,148	30,821	30,360	75	73	50.356	11.403,587	85.022,834	7,456	6,994
26	24	97.840	58.467,450	1.780.215,120	30,448	29,986	76	74	47.050	10.445,844	73.619,246	7,048	6,586
27	25	97.744	57.264,474	1.721.747,670	30,067	29,605	77	75	43.685	9.508,666	63.173,402	6,644	6,182
28	26	97.650	56.087,687	1.664.483,196	29,676	29,215	78	76	40.223	8.583,487	53.664,736	6,252	5,790
29	27	97.551	54.932,127	1.608.395,509	29,280	28,818	79	77	36.688	7.675,539	45.081,250	5,873	5,412
30	28	97.454	53.801,464	1.553.463,382	28,874	28,412	80	78	33.131	6.795,416	37.405,711	5,505	5,043
31	29	97.354	52.692,354	1.499.661,919	28,461	27,999	81	79	29.532	5.938,485	30.610,295	5,155	4,693
32	30	97.248	51.603,267	1.446.969,565	28,040	27,579	82	80	25.967	5.119,224	24.671,811	4,819	4,358
33	31	97.137	50.533,440	1.395.366,298	27,613	27,151	83	81	22.383	4.326,219	19.552,587	4,520	4,058
34	32	97.017	49.481,448	1.344.832,858	27,179	26,717	84	82	18.982	3.596,873	15.226,368	4,233	3,772
35	33	96.890	48.447,658	1.295.351,410	26,737	26,276	85	83	15.797	2.934,755	11.629,495	3,963	3,501
36	34	96.750	47.429,039	1.246.903,752	26,290	25,828	86	84	12.961	2.360,646	8.694,740	3,683	3,222
37	35	96.595	46.424,792	1.199.474,714	25,837	25,375	87	85	10.341	1.846,438	6.334,094	3,430	2,969
38	36	96.429	45.436,241	1.153.049,921	25,377	24,916	88	86	8.025	1.404,815	4.487,656	3,194	2,733
39	37	96.242	44.458,799	1.107.613,680	24,913	24,452	89	87	6.022	1.033,461	3.082,841	2,983	2,521
40	38	96.035	43.493,191	1.063.154,882	24,444	23,983	90	88	4.357	733,068	2.049,380	2,796	2,334
41	39	95.802	42.537,172	1.019.661,691	23,971	23,509	91	89	3.050	503,070	1.316,312	2,617	2,155
42	40	95.544	41.590,577	977.124,519	23,494	23,032	92	90	2.045	330,745	813,242	2,459	1,997
43	41	95.250	40.649,749	935.533,942	23,015	22,553	93	91	1.317	208,890	482,497	2,310	1,848
44	42	94.920	39.714,742	894.884,193	22,533	22,071	94	92	805	125,201	273,607	2,185	1,724
45	43	94.559	38.787,890	855.169,451	22,047	21,586	95	93	470	71,602	148,407	2,073	1,611
46	44	94.146	37.861,122	816.381,561	21,563	21,101	96	94	261	38,974	76,805	1,971	1,509
47	45	93.696	36.941,262	778.520,439	21,075	20,613	97	95	137	20,141	37,831	1,878	1,417
48	46	93.197	36.023,957	741.579,177	20,586	20,124	98	96	69	9,857	17,690	1,795	1,333
49	47	92.649	35.110,251	705.555,219	20,095	19,634	99	97	32	4,557	7,833	1,719	1,257
							100	98	14	1,985	3,276	1,650	1,189

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 3 Jahre

Zinsfuß 2,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	47	92.234	34.267,318	676.910,607	19,754	19,292
1							51	48	91.598	33.363,926	642.643,289	19,262	18,800
2							52	49	90.930	32.471,286	609.279,363	18,764	18,302
3	0	99.484	93.745,545	3.523.854,096	37,590	37,128	53	50	90.179	31.571,721	576.808,077	18,270	17,808
4	1	99.088	91.541,728	3.430.108,551	37,470	37,009	54	51	89.386	30.680,397	545.236,356	17,771	17,310
5	2	99.039	89.702,619	3.338.566,823	37,218	36,757	55	52	88.533	29.791,615	514.555,959	17,272	16,810
6	3	99.006	87.914,316	3.248.864,205	36,955	36,493	56	53	87.604	28.901,197	484.764,344	16,773	16,312
7	4	98.977	86.165,667	3.160.949,889	36,685	36,223	57	54	86.644	28.023,843	455.863,148	16,267	15,805
8	5	98.952	84.454,804	3.074.784,222	36,407	35,946	58	55	85.595	27.141,890	427.839,305	15,763	15,301
9	6	98.928	82.778,160	2.990.329,418	36,125	35,663	59	56	84.459	26.256,298	400.697,415	15,261	14,799
10	7	98.909	81.139,987	2.907.551,257	35,834	35,372	60	57	83.235	25.368,637	374.441,117	14,760	14,298
11	8	98.891	79.534,605	2.826.411,270	35,537	35,075	61	58	81.931	24.481,451	349.072,480	14,259	13,797
12	9	98.868	77.956,354	2.746.876,665	35,236	34,774	62	59	80.557	23.598,943	324.591,029	13,754	13,293
13	10	98.848	76.412,879	2.668.920,311	34,928	34,466	63	60	79.068	22.708,543	300.992,086	13,255	12,793
14	11	98.827	74.898,575	2.592.507,432	34,614	34,152	64	61	77.496	21.820,781	278.283,543	12,753	12,292
15	12	98.800	73.409,544	2.517.608,857	34,295	33,834	65	62	75.844	20.936,819	256.462,762	12,249	11,788
16	13	98.768	71.947,053	2.444.199,313	33,972	33,511	66	63	74.047	20.039,906	235.525,942	11,753	11,291
17	14	98.720	70.502,478	2.372.252,260	33,648	33,186	67	64	72.136	19.139,952	215.486,036	11,258	10,797
18	15	98.659	69.076,993	2.301.749,782	33,322	32,860	68	65	70.075	18.228,435	196.346,085	10,771	10,310
19	16	98.567	67.659,083	2.232.672,789	32,999	32,537	69	66	67.859	17.306,038	178.117,650	10,292	9,831
20	17	98.466	66.264,974	2.165.013,706	32,672	32,210	70	67	65.513	16.380,076	160.811,612	9,818	9,356
21	18	98.370	64.901,987	2.098.748,732	32,337	31,876	71	68	62.998	15.442,345	144.431,536	9,353	8,891
22	19	98.264	63.561,223	2.033.846,746	31,998	31,537	72	69	60.316	14.495,092	128.989,191	8,899	8,437
23	20	98.163	62.250,680	1.970.285,523	31,651	31,189	73	70	57.450	13.535,658	114.494,099	8,459	7,997
24	21	98.059	60.965,580	1.908.034,843	31,297	30,835	74	71	54.437	12.574,272	100.958,441	8,029	7,567
25	22	97.964	59.712,195	1.847.069,263	30,933	30,471	75	72	51.281	11.612,959	88.384,169	7,611	7,149
26	23	97.866	58.482,709	1.787.357,068	30,562	30,101	76	73	48.028	10.663,076	76.771,211	7,200	6,738
27	24	97.771	57.280,035	1.728.874,360	30,183	29,721	77	74	44.703	9.730,141	66.108,134	6,794	6,333
28	25	97.674	56.101,491	1.671.594,324	29,796	29,334	78	75	41.294	8.811,959	56.377,994	6,398	5,936
29	26	97.578	54.947,510	1.615.492,833	29,401	28,939	79	76	37.782	7.904,357	47.566,035	6,018	5,556
30	27	97.482	53.817,148	1.560.545,323	28,997	28,536	80	77	34.245	7.023,921	39.661,678	5,647	5,185
31	28	97.383	52.707,999	1.506.728,175	28,586	28,125	81	78	30.668	6.167,048	32.637,757	5,292	4,831
32	29	97.277	51.618,376	1.454.020,176	28,169	27,707	82	79	27.107	5.344,027	26.470,709	4,953	4,492
33	30	97.169	50.549,991	1.402.401,800	27,743	27,281	83	80	23.529	4.547,760	21.126,682	4,646	4,184
34	31	97.052	49.499,129	1.351.851,809	27,311	26,849	84	81	20.102	3.809,214	16.578,922	4,352	3,891
35	32	96.924	48.464,891	1.302.352,680	26,872	26,410	85	82	16.889	3.137,514	12.769,708	4,070	3,608
36	33	96.789	47.447,998	1.253.887,789	26,427	25,965	86	83	13.962	2.542,863	9.632,194	3,788	3,326
37	34	96.641	46.446,567	1.206.439,791	25,975	25,513	87	84	11.244	2.007,787	7.089,332	3,531	3,069
38	35	96.479	45.459,514	1.159.993,224	25,517	25,055	88	85	8.788	1.538,385	5.081,545	3,303	2,842
39	36	96.296	44.483,953	1.114.533,710	25,055	24,593	89	86	6.697	1.149,330	3.543,160	3,083	2,621
40	37	96.094	43.519,878	1.070.049,757	24,588	24,126	90	87	4.939	831,027	2.393,830	2,881	2,419
41	38	95.869	42.566,948	1.026.529,880	24,116	23,654	91	88	3.511	579,258	1.562,803	2,698	2,236
42	39	95.620	41.623,887	983.962,931	23,639	23,178	92	89	2.401	388,300	983,544	2,533	2,071
43	40	95.333	40.685,144	942.339,044	23,162	22,700	93	90	1.575	249,707	595,244	2,384	1,922
44	41	95.014	39.754,039	901.653,900	22,681	22,219	94	91	991	154,074	345,537	2,243	1,781
45	42	94.666	38.831,563	861.899,861	22,196	21,734	95	92	591	90,109	191,463	2,125	1,663
46	43	94.268	37.910,331	823.068,299	21,711	21,249	96	93	336	50,224	101,353	2,018	1,556
47	44	93.826	36.992,756	785.157,968	21,225	20,763	97	94	182	26,611	51,130	1,921	1,460
48	45	93.345	36.081,182	748.165,212	20,736	20,274	98	95	93	13,370	24,518	1,834	1,372
49	46	92.816	35.173,422	712.084,029	20,245	19,783	99	96	45	6,354	11,148	1,754	1,293
							100	97	21	2,849	4,794	1,683	1,221

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 4 Jahre

Zinsfuß 2,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	46	92.399	34.328,972	682.897,477	19,893	19,431
1							51	47	91.776	33.428,934	648.568,504	19,401	18,940
2							52	48	91.123	32.540,269	615.139,571	18,904	18,442
3							53	49	90.397	31.647,889	582.599,302	18,409	17,947
4	0	99.465	91.890,630	3.437.316,841	37,407	36,945	54	50	89.613	30.758,111	550.951,413	17,912	17,451
5	1	99.074	89.734,756	3.345.426,211	37,281	36,820	55	51	88.779	29.874,584	520.193,302	17,413	16,951
6	2	99.025	87.931,701	3.255.691,454	37,025	36,564	56	52	87.870	28.988,836	490.318,718	16,914	16,452
7	3	98.994	86.180,460	3.167.759,753	36,757	36,296	57	53	86.918	28.112,610	461.329,882	16,410	15,948
8	4	98.965	84.465,714	3.081.579,293	36,483	36,022	58	54	85.894	27.236,626	433.217,272	15,906	15,444
9	5	98.940	82.788,983	2.997.113,580	36,202	35,740	59	55	84.780	26.356,105	405.980,647	15,404	14,942
10	6	98.918	81.147,465	2.914.324,597	35,914	35,452	60	56	83.571	25.470,895	379.624,542	14,904	14,443
11	7	98.900	79.541,532	2.833.177,133	35,619	35,157	61	57	82.298	24.591,204	354.153,647	14,402	13,940
12	8	98.877	77.963,838	2.753.635,600	35,319	34,858	62	58	80.947	23.713,137	329.562,443	13,898	13,436
13	9	98.855	76.417,817	2.675.671,763	35,014	34,552	63	59	79.472	22.824,579	305.849,306	13,400	12,938
14	10	98.835	74.904,874	2.599.253,946	34,701	34,239	64	60	77.925	21.941,553	283.024,728	12,899	12,437
15	11	98.809	73.416,428	2.524.349,072	34,384	33,922	65	61	76.273	21.055,305	261.083,175	12,400	11,938
16	12	98.776	71.953,164	2.450.932,643	34,063	33,601	66	62	74.516	20.166,814	240.027,870	11,902	11,441
17	13	98.730	70.509,310	2.378.979,479	33,740	33,278	67	63	72.630	19.271,030	219.861,056	11,409	10,947
18	14	98.670	69.085,043	2.308.470,169	33,415	32,953	68	64	70.591	18.362,718	200.590,026	10,924	10,462
19	15	98.584	67.671,174	2.239.385,126	33,092	32,631	69	65	68.418	17.448,546	182.227,308	10,444	9,982
20	16	98.487	66.279,010	2.171.713,952	32,766	32,305	70	66	66.112	16.529,780	164.778,762	9,969	9,507
21	17	98.391	64.916,270	2.105.434,942	32,433	31,971	71	67	63.645	15.600,928	148.248,983	9,503	9,041
22	18	98.293	63.579,508	2.040.518,673	32,094	31,632	72	68	61.014	14.662,799	132.648,054	9,047	8,585
23	19	98.190	62.267,941	1.976.939,165	31,749	31,287	73	69	58.193	13.710,580	117.985,255	8,605	8,144
24	20	98.090	60.984,842	1.914.671,224	31,396	30,934	74	70	55.222	12.755,573	104.274,675	8,175	7,713
25	21	97.988	59.726,808	1.853.686,382	31,036	30,574	75	71	52.126	11.804,334	91.519,102	7,753	7,291
26	22	97.893	58.498,547	1.793.959,574	30,667	30,205	76	72	48.910	10.858,852	79.714,768	7,341	6,879
27	23	97.796	57.294,984	1.735.461,027	30,290	29,828	77	73	45.632	9.932,489	68.855,916	6,932	6,471
28	24	97.701	56.116,737	1.678.166,043	29,905	29,443	78	74	42.256	9.017,206	58.923,427	6,535	6,073
29	25	97.602	54.961,034	1.622.049,306	29,513	29,051	79	75	38.787	8.114,752	49.906,222	6,150	5,688
30	26	97.510	53.832,219	1.567.088,272	29,111	28,649	80	76	35.266	7.233,314	41.791,469	5,778	5,316
31	27	97.411	52.723,364	1.513.256,053	28,702	28,240	81	77	31.700	6.374,424	34.558,156	5,421	4,960
32	28	97.306	51.633,702	1.460.532,689	28,286	27,825	82	78	28.150	5.549,711	28.183,731	5,078	4,617
33	29	97.197	50.564,792	1.408.898,987	27,863	27,402	83	79	24.563	4.747,468	22.634,020	4,768	4,306
34	30	97.084	49.515,341	1.358.334,195	27,433	26,971	84	80	21.132	4.004,279	17.886,553	4,467	4,005
35	31	96.959	48.482,209	1.308.818,854	26,996	26,534	85	81	17.886	3.322,736	13.882,273	4,178	3,716
36	32	96.823	47.464,875	1.260.336,645	26,553	26,091	86	82	14.926	2.718,546	10.559,537	3,884	3,423
37	33	96.679	46.465,134	1.212.871,770	26,103	25,641	87	83	12.112	2.162,766	7.840,991	3,625	3,164
38	34	96.524	45.480,837	1.166.406,636	25,646	25,185	88	84	9.556	1.672,815	5.678,225	3,394	2,933
39	35	96.346	44.506,738	1.120.925,800	25,186	24,724	89	85	7.333	1.258,608	4.005,410	3,182	2,721
40	36	96.148	43.544,500	1.076.419,062	24,720	24,258	90	86	5.493	924,200	2.746,802	2,972	2,510
41	37	95.928	42.593,067	1.032.874,561	24,250	23,788	91	87	3.981	656,665	1.822,602	2,776	2,314
42	38	95.687	41.653,024	990.281,494	23,775	23,313	92	88	2.765	447,107	1.165,937	2,608	2,146
43	39	95.409	40.717,729	948.628,470	23,298	22,836	93	89	1.849	293,161	718,830	2,452	1,990
44	40	95.097	39.788,654	907.910,741	22,818	22,357	94	90	1.185	184,181	425,669	2,311	1,850
45	41	94.759	38.869,985	868.122,087	22,334	21,872	95	91	728	110,890	241,489	2,178	1,716
46	42	94.374	37.953,015	829.252,102	21,849	21,388	96	92	423	63,206	130,599	2,066	1,605
47	43	93.948	37.040,836	791.299,087	21,363	20,901	97	93	234	34,292	67,393	1,965	1,504
48	44	93.475	36.131,478	754.258,250	20,875	20,414	98	94	123	17,666	33,100	1,874	1,412
49	45	92.963	35.229,296	718.126,773	20,384	19,923	99	95	61	8,619	15,435	1,791	1,329
							100	96	29	3,973	6,816	1,716	1,254

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 5 Jahre

Zinsfuß 2,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	45	92.546	34.383,505	688.429,714	20,022	19,560
1							51	46	91.942	33.489,079	654.046,209	19,530	19,069
2							52	47	91.301	32.603,672	620.557,129	19,033	18,572
3							53	48	90.589	31.715,123	587.953,458	18,539	18,077
4							54	49	89.829	30.832,316	556.238,335	18,041	17,579
5	0	99.452	90.076,772	3.352.099,799	37,214	36,752	55	50	89.004	29.950,257	525.406,019	17,543	17,081
6	1	99.061	87.963,204	3.262.023,027	37,084	36,622	56	51	88.115	29.069,569	495.455,762	17,044	16,582
7	2	99.014	86.197,502	3.174.059,823	36,823	36,361	57	52	87.182	28.197,857	466.386,193	16,540	16,078
8	3	98.982	84.480,214	3.087.862,321	36,551	36,090	58	53	86.166	27.322,899	438.188,335	16,037	15,576
9	4	98.953	82.799,677	3.003.382,106	36,273	35,811	59	54	85.076	26.448,097	410.865,436	15,535	15,073
10	5	98.931	81.158,074	2.920.582,430	35,986	35,525	60	55	83.888	25.567,717	384.417,339	15,035	14,574
11	6	98.909	79.548,862	2.839.424,356	35,694	35,232	61	56	82.630	24.690,329	358.849,622	14,534	14,072
12	7	98.886	77.970,628	2.759.875,494	35,396	34,935	62	57	81.310	23.819,445	334.159,294	14,029	13,567
13	8	98.864	76.425,153	2.681.904,866	35,092	34,630	63	58	79.856	22.935,025	310.339,849	13,531	13,070
14	9	98.842	74.909,714	2.605.479,712	34,782	34,320	64	59	78.323	22.053,669	287.404,824	13,032	12,570
15	10	98.817	73.422,603	2.530.569,998	34,466	34,004	65	60	76.695	21.171,840	265.351,155	12,533	12,072
16	11	98.786	71.959,912	2.457.147,395	34,146	33,684	66	61	74.938	20.280,942	244.179,315	12,040	11,578
17	12	98.738	70.515,299	2.385.187,483	33,825	33,363	67	62	73.090	19.393,069	223.898,373	11,545	11,084
18	13	98.680	69.091,737	2.314.672,184	33,501	33,040	68	63	71.074	18.488,473	204.505,304	11,061	10,600
19	14	98.596	67.679,060	2.245.580,447	33,180	32,718	69	64	68.922	17.577,084	186.016,831	10,583	10,121
20	15	98.505	66.290,854	2.177.901,387	32,854	32,392	70	65	66.656	16.665,896	168.439,747	10,107	9,645
21	16	98.412	64.930,020	2.111.610,533	32,521	32,060	71	66	64.226	15.743,511	151.773,850	9,640	9,179
22	17	98.314	63.593,499	2.046.680,512	32,184	31,722	72	67	61.641	14.813,377	136.030,340	9,183	8,721
23	18	98.219	62.285,854	1.983.087,013	31,838	31,377	73	68	58.866	13.869,210	121.216,962	8,740	8,278
24	19	98.117	61.001,752	1.920.801,159	31,488	31,026	74	69	55.936	12.920,414	107.347,753	8,308	7,847
25	20	98.019	59.745,679	1.859.799,407	31,129	30,667	75	70	52.878	11.974,534	94.427,338	7,886	7,424
26	21	97.916	58.512,863	1.800.053,727	30,763	30,302	76	71	49.716	11.037,800	82.452,804	7,470	7,008
27	22	97.823	57.310,500	1.741.540,864	30,388	29,926	77	72	46.470	10.114,851	71.415,005	7,060	6,599
28	23	97.726	56.131,382	1.684.230,364	30,005	29,544	78	73	43.134	9.204,728	61.300,154	6,660	6,198
29	24	97.629	54.975,970	1.628.098,982	29,615	29,153	79	74	39.691	8.303,760	52.095,426	6,274	5,812
30	25	97.534	53.845,468	1.573.123,012	29,216	28,754	80	75	36.204	7.425,848	43.791,666	5,897	5,436
31	26	97.438	52.738,128	1.519.277,544	28,808	28,346	81	76	32.645	6.564,455	36.365,818	5,540	5,078
32	27	97.334	51.648,754	1.466.539,415	28,394	27,933	82	77	29.097	5.736,328	29.801,364	5,195	4,734
33	28	97.226	50.579,805	1.414.890,661	27,973	27,512	83	78	25.508	4.930,191	24.065,036	4,881	4,420
34	29	97.112	49.529,839	1.364.310,856	27,545	27,084	84	79	22.060	4.180,121	19.134,845	4,578	4,116
35	30	96.991	48.498,088	1.314.781,017	27,110	26,648	85	80	18.802	3.492,890	14.954,724	4,281	3,820
36	31	96.858	47.481,836	1.266.282,929	26,669	26,207	86	81	15.807	2.879,035	11.461,834	3,981	3,520
37	32	96.714	46.481,661	1.218.801,093	26,221	25,760	87	82	12.949	2.312,189	8.582,799	3,712	3,250
38	33	96.563	45.499,017	1.172.319,431	25,766	25,304	88	83	10.293	1.801,938	6.270,610	3,480	3,018
39	34	96.391	44.527,613	1.126.820,415	25,306	24,844	89	84	7.974	1.368,590	4.468,672	3,265	2,804
40	35	96.197	43.566,805	1.082.292,801	24,842	24,381	90	85	6.015	1.012,073	3.100,082	3,063	2,601
41	36	95.982	42.617,165	1.038.725,996	24,373	23,912	91	86	4.427	730,288	2.088,009	2,859	2,398
42	37	95.746	41.678,582	996.108,831	23,900	23,438	92	87	3.134	506,854	1.357,721	2,679	2,217
43	38	95.476	40.746,232	954.430,249	23,424	22,962	93	88	2.129	337,559	850,867	2,521	2,059
44	39	95.173	39.820,521	913.684,017	22,945	22,483	94	89	1.391	216,232	513,308	2,374	1,912
45	40	94.842	38.903,831	873.863,496	22,462	22,001	95	90	870	132,558	297,076	2,241	1,779
46	41	94.468	37.990,568	834.959,666	21,978	21,516	96	91	521	77,782	164,518	2,115	1,654
47	42	94.054	37.082,542	796.969,097	21,492	21,030	97	92	295	43,156	86,736	2,010	1,548
48	43	93.596	36.178,438	759.886,556	21,004	20,542	98	93	159	22,765	43,579	1,914	1,453
49	44	93.093	35.278,404	723.708,118	20,514	20,053	99	94	81	11,388	20,815	1,828	1,366
							100	95	39	5,389	9,427	1,749	1,288

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 6 Jahre

Zinsfuß 2,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	44	92.675	34.431,434	693.532,158	20,142	19,681
1							51	45	92.088	33.542,278	659.100,724	19,650	19,188
2							52	46	91.465	32.662,333	625.558,446	19,152	18,691
3							53	47	90.766	31.776,917	592.896,114	18,658	18,196
4							54	48	90.020	30.897,818	561.119,196	18,160	17,699
5							55	49	89.219	30.022,513	530.221,379	17,661	17,199
6	0	99.438	88.298,468	3.268.195,082	37,013	36,551	56	50	88.338	29.143,203	500.198,866	17,163	16,702
7	1	99.049	86.228,384	3.179.896,614	36,878	36,416	57	51	87.425	28.276,388	471.055,663	16,659	16,197
8	2	99.002	84.496,920	3.093.668,230	36,613	36,151	58	52	86.427	27.405,752	442.779,275	16,156	15,695
9	3	98.970	82.813,891	3.009.171,310	36,337	35,875	59	53	85.345	26.531,873	415.373,523	15,656	15,194
10	4	98.944	81.168,557	2.926.357,418	36,053	35,591	60	54	84.181	25.656,958	388.841,650	15,155	14,694
11	5	98.922	79.559,262	2.845.188,861	35,762	35,300	61	55	82.944	24.784,183	363.184,692	14,654	14,192
12	6	98.895	77.977,813	2.765.629,599	35,467	35,005	62	56	81.637	23.915,459	338.400,509	14,150	13,688
13	7	98.873	76.431,810	2.687.651,785	35,164	34,702	63	57	80.214	23.037,845	314.485,050	13,651	13,189
14	8	98.851	74.916,906	2.611.219,976	34,855	34,393	64	58	78.702	22.160,385	291.447,205	13,152	12,690
15	9	98.824	73.427,347	2.536.303,070	34,542	34,080	65	59	77.087	21.280,023	269.286,820	12,654	12,193
16	10	98.794	71.965,964	2.462.875,722	34,223	33,761	66	60	75.352	20.393,191	248.006,797	12,161	11,700
17	11	98.748	70.521,912	2.390.909,758	33,903	33,441	67	61	73.504	19.502,818	227.613,606	11,671	11,209
18	12	98.688	69.097,605	2.320.387,846	33,581	33,120	68	62	71.524	18.605,556	208.110,788	11,185	10,724
19	13	98.605	67.685,618	2.251.290,241	33,261	32,799	69	63	69.394	17.697,460	189.505,232	10,708	10,246
20	14	98.516	66.298,580	2.183.604,622	32,936	32,474	70	64	67.147	16.788,669	171.807,772	10,234	9,772
21	15	98.430	64.941,623	2.117.306,043	32,603	32,142	71	65	64.755	15.873,153	155.019,104	9,766	9,305
22	16	98.335	63.606,970	2.052.364,420	32,266	31,805	72	66	62.204	14.948,762	139.145,951	9,308	8,847
23	17	98.240	62.299,561	1.988.757,450	31,922	31,461	73	67	59.470	14.011,638	124.197,189	8,864	8,402
24	18	98.146	61.019,301	1.926.457,889	31,571	31,110	74	68	56.583	13.069,902	110.185,551	8,430	7,969
25	19	98.046	59.762,246	1.865.438,588	31,214	30,753	75	69	53.561	12.129,282	97.115,649	8,007	7,545
26	20	97.947	58.531,351	1.805.676,342	30,850	30,388	76	70	50.433	11.196,948	84.986,367	7,590	7,129
27	21	97.846	57.324,526	1.747.144,991	30,478	30,017	77	71	47.236	10.281,538	73.789,420	7,177	6,715
28	22	97.753	56.146,583	1.689.820,465	30,097	29,635	78	72	43.926	9.373,728	63.507,882	6,775	6,313
29	23	97.654	54.990,317	1.633.673,882	29,708	29,247	79	73	40.516	8.476,445	54.134,154	6,386	5,925
30	24	97.560	53.860,101	1.578.683,565	29,311	28,849	80	74	37.048	7.598,810	45.657,709	6,009	5,547
31	25	97.462	52.751,109	1.524.823,464	28,906	28,444	81	75	33.514	6.739,185	38.058,899	5,647	5,186
32	26	97.361	51.663,218	1.472.072,355	28,494	28,032	82	76	29.964	5.907,336	31.319,714	5,302	4,840
33	27	97.254	50.594,550	1.420.409,137	28,074	27,613	83	77	26.366	5.095,976	25.412,379	4,987	4,525
34	28	97.141	49.544,545	1.369.814,588	27,648	27,187	84	78	22.909	4.341,008	20.316,403	4,680	4,219
35	29	97.019	48.512,288	1.320.270,043	27,215	26,754	85	79	19.627	3.646,275	15.975,395	4,381	3,920
36	30	96.889	47.497,387	1.271.757,754	26,775	26,314	86	80	16.617	3.026,467	12.329,120	4,074	3,612
37	31	96.748	46.498,271	1.224.260,367	26,329	25,868	87	81	13.714	2.448,689	9.302,653	3,799	3,337
38	32	96.597	45.515,201	1.177.762,096	25,876	25,415	88	82	11.004	1.926,432	6.853,964	3,558	3,096
39	33	96.429	44.545,413	1.132.246,895	25,418	24,956	89	83	8.590	1.474,230	4.927,532	3,342	2,881
40	34	96.242	43.587,239	1.087.701,482	24,955	24,493	90	84	6.540	1.100,512	3.453,302	3,138	2,676
41	35	96.032	42.638,995	1.044.114,243	24,487	24,026	91	85	4.848	799,724	2.352,790	2,942	2,480
42	36	95.800	41.702,163	1.001.475,248	24,015	23,553	92	86	3.485	563,681	1.553,066	2,755	2,294
43	37	95.535	40.771,233	959.773,086	23,540	23,079	93	87	2.413	382,667	989,385	2,585	2,124
44	38	95.240	39.848,395	919.001,852	23,062	22,601	94	88	1.602	248,979	606,718	2,437	1,975
45	39	94.918	38.934,989	879.153,457	22,580	22,118	95	89	1.021	155,626	357,739	2,299	1,837
46	40	94.550	38.023,648	840.218,468	22,097	21,636	96	90	622	92,981	202,113	2,174	1,712
47	41	94.147	37.119,234	802.194,820	21,611	21,150	97	91	363	53,109	109,132	2,055	1,593
48	42	93.702	36.219,173	765.075,586	21,123	20,662	98	92	199	28,649	56,023	1,956	1,494
49	43	93.214	35.324,255	728.856,413	20,633	20,172	99	93	104	14,675	27,375	1,865	1,404
							100	94	52	7,120	12,700	1,784	1,322

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 7 Jahre

Zinsfuß 2,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	43	92.796	34.476,184	698.232,914	20,253	19,791
1							51	44	92.216	33.589,034	663.756,730	19,761	19,300
2							52	45	91.611	32.714,218	630.167,696	19,263	18,801
3							53	46	90.929	31.834,091	597.453,478	18,768	18,306
4							54	47	90.195	30.958,020	565.619,387	18,271	17,809
5							55	48	89.408	30.086,294	534.661,367	17,771	17,309
6							56	49	88.551	29.213,512	504.575,073	17,272	16,810
7	0	99.427	86.557,036	3.185.599,966	36,803	36,342	57	50	87.646	28.348,013	475.361,561	16,769	16,307
8	1	99.037	84.527,193	3.099.042,930	36,663	36,202	58	51	86.668	27.482,076	447.013,549	16,266	15,804
9	2	98.990	82.830,268	3.014.515,737	36,394	35,932	59	52	85.604	26.612,327	419.531,472	15,765	15,303
10	3	98.961	81.182,492	2.931.685,469	36,112	35,651	60	53	84.448	25.738,227	392.919,145	15,266	14,804
11	4	98.935	79.569,539	2.850.502,977	35,824	35,362	61	54	83.234	24.870,689	367.180,917	14,764	14,302
12	5	98.908	77.988,008	2.770.933,438	35,530	35,069	62	55	81.948	24.006,367	342.310,228	14,259	13,798
13	6	98.882	76.438,853	2.692.945,430	35,230	34,768	63	56	80.538	23.130,708	318.303,861	13,761	13,299
14	7	98.860	74.923,431	2.616.506,576	34,922	34,461	64	57	79.055	22.259,732	295.173,152	13,260	12,799
15	8	98.833	73.434,396	2.541.583,146	34,610	34,149	65	58	77.460	21.382,995	272.913,420	12,763	12,301
16	9	98.800	71.970,615	2.468.148,749	34,294	33,832	66	59	75.737	20.497,395	251.530,425	12,271	11,810
17	10	98.756	70.527,843	2.396.178,135	33,975	33,513	67	60	73.910	19.610,760	231.033,029	11,781	11,319
18	11	98.698	69.104,086	2.325.650,291	33,654	33,193	68	61	71.929	18.710,849	211.422,269	11,299	10,838
19	12	98.614	67.691,367	2.256.546,206	33,336	32,874	69	62	69.834	17.809,533	192.711,420	10,821	10,359
20	13	98.526	66.305,004	2.188.854,838	33,012	32,550	70	63	67.607	16.903,644	174.901,887	10,347	9,885
21	14	98.441	64.949,191	2.122.549,834	32,680	32,219	71	64	65.232	15.990,085	157.998,242	9,881	9,419
22	15	98.353	63.618,336	2.057.600,643	32,343	31,881	72	65	62.716	15.071,859	142.008,157	9,422	8,960
23	16	98.261	62.312,757	1.993.982,307	32,000	31,538	73	66	60.014	14.139,695	126.936,298	8,977	8,516
24	17	98.167	61.032,729	1.931.669,549	31,650	31,188	74	67	57.164	13.204,122	112.796,602	8,543	8,081
25	18	98.075	59.779,438	1.870.636,820	31,292	30,831	75	68	54.181	12.269,616	99.592,480	8,117	7,655
26	19	97.975	58.547,580	1.810.857,382	30,930	30,468	76	69	51.085	11.341,646	87.322,864	7,699	7,238
27	20	97.877	57.342,638	1.752.309,802	30,559	30,097	77	70	47.917	10.429,782	75.981,218	7,285	6,823
28	21	97.776	56.160,324	1.694.967,164	30,181	29,719	78	71	44.650	9.528,202	65.551,436	6,880	6,418
29	22	97.681	55.005,209	1.638.806,839	29,794	29,332	79	72	41.260	8.632,074	56.023,234	6,490	6,029
30	23	97.586	53.874,157	1.583.801,630	29,398	28,937	80	73	37.818	7.756,835	47.391,160	6,110	5,648
31	24	97.489	52.765,444	1.529.927,473	28,995	28,533	81	74	34.294	6.896,153	39.634,326	5,747	5,286
32	25	97.385	51.675,934	1.477.162,029	28,585	28,123	82	75	30.762	6.064,575	32.738,173	5,398	4,937
33	26	97.282	50.608,718	1.425.486,096	28,167	27,705	83	76	27.152	5.247,894	26.673,598	5,083	4,621
34	27	97.169	49.558,988	1.374.877,378	27,742	27,281	84	77	23.679	4.486,981	21.425,704	4,775	4,313
35	28	97.048	48.526,692	1.325.318,389	27,311	26,850	85	78	20.383	3.786,615	16.938,723	4,473	4,012
36	29	96.918	47.511,294	1.276.791,698	26,873	26,412	86	79	17.347	3.159,370	13.152,108	4,163	3,701
37	30	96.780	46.513,500	1.229.280,403	26,428	25,967	87	80	14.416	2.574,084	9.992,739	3,882	3,420
38	31	96.631	45.531,465	1.182.766,903	25,977	25,515	88	81	11.654	2.040,158	7.418,655	3,636	3,175
39	32	96.464	44.561,258	1.137.235,438	25,521	25,059	89	82	9.183	1.576,083	5.378,497	3,413	2,951
40	33	96.281	43.604,663	1.092.674,180	25,059	24,597	90	83	7.045	1.185,459	3.802,413	3,208	2,746
41	34	96.077	42.658,994	1.049.069,517	24,592	24,130	91	84	5.272	869,607	2.616,954	3,009	2,548
42	35	95.849	41.723,524	1.006.410,523	24,121	23,659	92	85	3.817	617,276	1.747,347	2,831	2,369
43	36	95.589	40.794,301	964.687,000	23,648	23,186	93	86	2.684	425,571	1.130,072	2,655	2,194
44	37	95.298	39.872,846	923.892,699	23,171	22,709	94	87	1.816	282,250	704,501	2,496	2,034
45	38	94.984	38.962,243	884.019,853	22,689	22,228	95	88	1.176	179,195	422,251	2,356	1,895
46	39	94.626	38.054,102	845.057,609	22,207	21,745	96	89	731	109,161	243,056	2,227	1,765
47	40	94.229	37.151,555	807.003,508	21,722	21,260	97	90	433	63,487	133,895	2,109	1,647
48	41	93.794	36.255,010	769.851,953	21,234	20,773	98	91	245	35,256	70,408	1,997	1,535
49	42	93.319	35.364,028	733.596,943	20,744	20,283	99	92	131	18,468	35,152	1,903	1,442
							100	93	66	9,175	16,684	1,818	1,357

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 8 Jahre

Zinsfuß 2,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	42	92.900	34.515,003	702.556,754	20,355	19,894
1							51	43	92.336	33.632,690	668.041,752	19,863	19,401
2							52	44	91.738	32.759,820	634.409,062	19,365	18,904
3							53	45	91.073	31.884,660	601.649,242	18,870	18,408
4							54	46	90.357	31.013,720	569.764,582	18,371	17,910
5							55	47	89.583	30.144,915	538.750,862	17,872	17,410
6							56	48	88.739	29.275,574	508.605,947	17,373	16,911
7							57	49	87.858	28.416,403	479.330,373	16,868	16,406
8	0	99.415	84.849,361	3.104.309,722	36,586	36,125	58	50	86.888	27.551,689	450.913,969	16,366	15,904
9	1	99.025	82.859,944	3.019.460,361	36,441	35,979	59	51	85.842	26.686,442	423.362,280	15,864	15,403
10	2	98.981	81.198,546	2.936.600,418	36,166	35,704	60	52	84.704	25.816,275	396.675,838	15,365	14,904
11	3	98.952	79.583,199	2.855.401,872	35,879	35,418	61	53	83.497	24.949,468	370.859,563	14,864	14,403
12	4	98.920	77.998,082	2.775.818,672	35,588	35,127	62	54	82.234	24.090,159	345.910,095	14,359	13,897
13	5	98.895	76.448,847	2.697.820,590	35,289	34,828	63	55	80.844	23.218,634	321.819,936	13,860	13,399
14	6	98.869	74.930,335	2.621.371,744	34,984	34,523	64	56	79.374	22.349,459	298.601,302	13,361	12,899
15	7	98.842	73.440,792	2.546.441,408	34,673	34,212	65	57	77.808	21.478,857	276.251,842	12,862	12,400
16	8	98.810	71.977,524	2.473.000,616	34,358	33,896	66	58	76.104	20.596,581	254.772,985	12,370	11,908
17	9	98.762	70.532,401	2.401.023,092	34,041	33,580	67	59	74.288	19.710,967	234.176,404	11,881	11,419
18	10	98.706	69.109,898	2.330.490,691	33,722	33,260	68	60	72.327	18.814,408	214.465,438	11,399	10,937
19	11	98.623	67.697,716	2.261.380,794	33,404	32,942	69	61	70.229	17.910,321	195.651,030	10,924	10,462
20	12	98.534	66.310,636	2.193.683,078	33,082	32,620	70	62	68.035	17.010,691	177.740,709	10,449	9,987
21	13	98.451	64.955,485	2.127.372,442	32,751	32,290	71	63	65.679	16.099,592	160.730,018	9,983	9,522
22	14	98.364	63.625,750	2.062.416,957	32,415	31,953	72	64	63.178	15.182,889	144.630,426	9,526	9,064
23	15	98.279	62.323,893	1.998.791,207	32,071	31,609	73	65	60.508	14.256,131	129.447,536	9,080	8,619
24	16	98.188	61.045,657	1.936.467,314	31,722	31,260	74	66	57.686	13.324,799	115.191,406	8,645	8,183
25	17	98.096	59.792,593	1.875.421,657	31,365	30,904	75	67	54.737	12.395,618	101.866,607	8,218	7,756
26	18	98.003	58.564,423	1.815.629,063	31,002	30,541	76	68	51.676	11.472,868	89.470,989	7,798	7,337
27	19	97.905	57.358,538	1.757.064,641	30,633	30,171	77	69	48.536	10.564,566	77.998,121	7,383	6,921
28	20	97.807	56.178,068	1.699.706,102	30,256	29,794	78	70	45.294	9.665,584	67.433,555	6,977	6,515
29	21	97.705	55.018,671	1.643.528,034	29,872	29,411	79	71	41.940	8.774,325	57.767,971	6,584	6,122
30	22	97.612	53.888,747	1.588.509,363	29,478	29,016	80	72	38.512	7.899,251	48.993,645	6,202	5,741
31	23	97.514	52.779,214	1.534.620,616	29,076	28,615	81	73	35.007	7.039,566	41.094,394	5,838	5,376
32	24	97.412	51.689,977	1.481.841,402	28,668	28,206	82	74	31.478	6.205,830	34.054,828	5,488	5,026
33	25	97.306	50.621,174	1.430.151,426	28,252	27,790	83	75	27.875	5.387,580	27.848,998	5,169	4,708
34	26	97.196	49.572,867	1.379.530,251	27,828	27,367	84	76	24.385	4.620,744	22.461,418	4,861	4,399
35	27	97.076	48.540,838	1.329.957,385	27,399	26,937	85	77	21.068	3.913,945	17.840,674	4,558	4,097
36	28	96.946	47.525,401	1.281.416,546	26,963	26,501	86	78	18.014	3.280,969	13.926,729	4,245	3,783
37	29	96.808	46.527,119	1.233.891,145	26,520	26,058	87	79	15.049	2.687,121	10.645,759	3,962	3,500
38	30	96.663	45.546,378	1.187.364,026	26,069	25,608	88	80	12.251	2.144,633	7.958,639	3,711	3,249
39	31	96.498	44.577,181	1.141.817,648	25,614	25,153	89	81	9.725	1.669,127	5.814,006	3,483	3,022
40	32	96.315	43.620,173	1.097.240,467	25,154	24,693	90	82	7.532	1.267,362	4.144,879	3,270	2,809
41	33	96.115	42.676,046	1.053.620,294	24,689	24,227	91	83	5.678	936,731	2.877,518	3,072	2,610
42	34	95.894	41.743,093	1.010.944,248	24,218	23,757	92	84	4.150	671,216	1.940,787	2,891	2,430
43	35	95.638	40.815,197	969.201,155	23,746	23,284	93	85	2.939	466,034	1.269,571	2,724	2,263
44	36	95.352	39.895,405	928.385,958	23,270	22,809	94	86	2.019	313,895	803,537	2,560	2,098
45	37	95.043	38.986,150	888.490,553	22,790	22,328	95	87	1.333	203,140	489,642	2,410	1,949
46	38	94.692	38.080,740	849.504,402	22,308	21,846	96	88	841	125,694	286,502	2,279	1,818
47	39	94.305	37.181,310	811.423,663	21,823	21,362	97	89	509	74,534	160,808	2,158	1,696
48	40	93.876	36.286,579	774.242,353	21,337	20,875	98	90	293	42,145	86,274	2,047	1,585
49	41	93.411	35.399,020	737.955,774	20,847	20,385	99	91	161	22,727	44,129	1,942	1,480
							100	92	84	11,547	21,402	1,853	1,392

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 9 Jahre

Zinsfuß 2,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	41	92.992	34.549,154	706.528,932	20,450	19,988
1							51	42	92.440	33.670,558	671.979,778	19,957	19,496
2							52	43	91.857	32.802,398	638.309,220	19,459	18,998
3							53	44	91.200	31.929,106	605.506,823	18,964	18,502
4							54	45	90.501	31.062,986	573.577,717	18,465	18,003
5							55	46	89.744	30.199,152	542.514,731	17,965	17,503
6							56	47	88.912	29.332,616	512.315,578	17,466	17,004
7							57	48	88.044	28.476,772	482.982,962	16,961	16,499
8							58	49	87.097	27.618,159	454.506,190	16,457	15,995
9	0	99.403	83.175,757	3.024.321,794	36,361	35,899	59	50	86.060	26.754,040	426.888,032	15,956	15,494
10	1	99.016	81.227,637	2.941.146,037	36,209	35,747	60	51	84.940	25.888,173	400.133,992	15,456	14,995
11	2	98.971	79.598,937	2.859.918,400	35,929	35,467	61	52	83.750	25.025,124	374.245,819	14,955	14,493
12	3	98.937	78.011,473	2.780.319,463	35,640	35,178	62	53	82.494	24.166,465	349.220,695	14,451	13,989
13	4	98.908	76.458,722	2.702.307,991	35,343	34,882	63	54	81.126	23.299,676	325.054,229	13,951	13,489
14	5	98.882	74.940,132	2.625.849,269	35,039	34,578	64	55	79.676	22.434,415	301.754,553	13,451	12,989
15	6	98.851	73.447,560	2.550.909,137	34,731	34,269	65	56	78.121	21.565,437	279.320,138	12,952	12,491
16	7	98.818	71.983,793	2.477.461,577	34,417	33,955	66	57	76.445	20.688,917	257.754,702	12,459	11,997
17	8	98.772	70.539,172	2.405.477,784	34,101	33,640	67	58	74.648	19.806,347	237.065,784	11,969	11,508
18	9	98.712	69.114,363	2.334.938,612	33,784	33,322	68	59	72.697	18.910,545	217.259,438	11,489	11,027
19	10	98.631	67.703,409	2.265.824,249	33,467	33,005	69	60	70.617	18.009,449	198.348,893	11,014	10,552
20	11	98.543	66.316,855	2.198.120,839	33,146	32,684	70	61	68.420	17.106,958	180.339,443	10,542	10,080
21	12	98.459	64.961,002	2.131.803,985	32,817	32,355	71	62	66.095	16.201,547	163.232,485	10,075	9,614
22	13	98.374	63.631,916	2.066.842,983	32,481	32,020	72	63	63.611	15.286,868	147.030,939	9,618	9,157
23	14	98.290	62.331,156	2.003.211,067	32,138	31,677	73	64	60.954	14.361,151	131.744,071	9,174	8,712
24	15	98.206	61.056,566	1.940.879,911	31,788	31,327	74	65	58.161	13.434,524	117.382,920	8,737	8,276
25	16	98.117	59.805,259	1.879.823,345	31,432	30,971	75	66	55.237	12.508,906	103.948,396	8,310	7,848
26	17	98.024	58.577,311	1.820.018,086	31,070	30,609	76	67	52.206	11.590,688	91.439,490	7,889	7,427
27	18	97.933	57.375,039	1.761.440,775	30,700	30,239	77	68	49.098	10.686,797	79.848,803	7,472	7,010
28	19	97.834	56.193,646	1.704.065,736	30,325	29,863	78	69	45.879	9.790,493	69.162,005	7,064	6,603
29	20	97.735	55.036,054	1.647.872,091	29,942	29,480	79	70	42.545	8.900,838	59.371,513	6,670	6,209
30	21	97.636	53.901,935	1.592.836,037	29,551	29,089	80	71	39.147	8.029,426	50.470,675	6,286	5,824
31	22	97.541	52.793,508	1.538.934,102	29,150	28,688	81	72	35.650	7.168,813	42.441,248	5,920	5,459
32	23	97.437	51.703,466	1.486.140,594	28,744	28,282	82	73	32.133	6.334,887	35.272,435	5,568	5,106
33	24	97.332	50.634,931	1.434.437,128	28,329	27,867	83	74	28.524	5.513,067	28.937,548	5,249	4,787
34	25	97.220	49.585,068	1.383.802,197	27,908	27,446	84	75	25.034	4.743,737	23.424,481	4,938	4,476
35	26	97.104	48.554,431	1.334.217,129	27,479	27,017	85	76	21.696	4.030,625	18.680,744	4,635	4,173
36	27	96.975	47.539,255	1.285.662,698	27,044	26,583	86	77	18.620	3.391,297	14.650,119	4,320	3,858
37	28	96.837	46.540,934	1.238.123,442	26,603	26,141	87	78	15.628	2.790,544	11.258,822	4,035	3,573
38	29	96.691	45.559,714	1.191.582,509	26,154	25,693	88	79	12.789	2.238,811	8.468,278	3,782	3,321
39	30	96.530	44.591,781	1.146.022,795	25,700	25,239	89	80	10.223	1.754,601	6.229,468	3,550	3,089
40	31	96.349	43.635,760	1.101.431,014	25,241	24,780	90	81	7.977	1.342,180	4.474,866	3,334	2,872
41	32	96.149	42.691,226	1.057.795,254	24,778	24,316	91	82	6.071	1.001,449	3.132,686	3,128	2,667
42	33	95.932	41.759,780	1.015.104,027	24,308	23,847	92	83	4.471	723,026	2.131,238	2,948	2,486
43	34	95.683	40.834,340	973.344,248	23,836	23,375	93	84	3.196	506,758	1.408,212	2,779	2,317
44	35	95.401	39.915,840	932.509,907	23,362	22,900	94	85	2.211	343,740	901,454	2,622	2,161
45	36	95.096	39.008,208	892.594,067	22,882	22,421	95	86	1.482	225,916	557,714	2,469	2,007
46	37	94.750	38.104,106	853.585,859	22,401	21,940	96	87	954	142,490	331,798	2,329	1,867
47	38	94.371	37.207,337	815.481,753	21,917	21,456	97	88	586	85,822	189,308	2,206	1,744
48	39	93.951	36.315,641	778.274,417	21,431	20,969	98	89	345	49,479	103,485	2,091	1,630
49	40	93.493	35.429,843	741.958,776	20,942	20,480	99	90	193	27,168	54,006	1,988	1,526
							100	91	103	14,210	26,838	1,889	1,427

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 10 Jahre

Zinsfuß 2,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	40	93.073	34.579,237	710.174,223	20,538	20,076
1							51	41	92.531	33.703,874	675.594,986	20,045	19,583
2							52	42	91.961	32.839,331	641.891,112	19,546	19,085
3							53	43	91.319	31.970,604	609.051,781	19,050	18,589
4							54	44	90.627	31.106,286	577.081,177	18,552	18,090
5							55	45	89.886	30.247,124	545.974,890	18,050	17,589
6							56	46	89.072	29.385,392	515.727,766	17,550	17,089
7							57	47	88.216	28.532,257	486.342,374	17,045	16,584
8							58	48	87.282	27.676,832	457.810,117	16,541	16,080
9							59	49	86.267	26.818,585	430.133,285	16,039	15,577
10	0	99.393	81.537,228	2.945.632,107	36,126	35,665	60	50	85.155	25.953,748	403.314,701	15,540	15,078
11	1	99.007	79.627,455	2.864.094,878	35,969	35,507	61	51	83.984	25.094,819	377.360,952	15,037	14,576
12	2	98.957	78.026,899	2.784.467,423	35,686	35,224	62	52	82.744	24.239,747	352.266,134	14,533	14,071
13	3	98.924	76.471,848	2.706.440,524	35,391	34,930	63	53	81.383	23.373,479	328.026,387	14,034	13,573
14	4	98.895	74.949,812	2.629.968,676	35,090	34,628	64	54	79.954	22.512,720	304.652,908	13,532	13,071
15	5	98.864	73.457,163	2.555.018,864	34,782	34,321	65	55	78.418	21.647,412	282.140,188	13,033	12,572
16	6	98.827	71.990,426	2.481.561,701	34,471	34,009	66	56	76.753	20.772,312	260.492,776	12,540	12,079
17	7	98.780	70.545,316	2.409.571,275	34,156	33,695	67	57	74.982	19.895,140	239.720,463	12,049	11,588
18	8	98.722	69.120,999	2.339.025,959	33,840	33,378	68	58	73.049	19.002,052	219.825,323	11,569	11,107
19	9	98.637	67.707,784	2.269.904,961	33,525	33,063	69	59	70.978	18.101,473	200.823,271	11,094	10,633
20	10	98.552	66.322,432	2.202.197,176	33,204	32,743	70	60	68.799	17.201,640	182.721,798	10,622	10,161
21	11	98.468	64.967,095	2.135.874,744	32,876	32,415	71	61	66.469	16.293,235	165.520,158	10,159	9,697
22	12	98.382	63.637,320	2.070.907,650	32,542	32,081	72	62	64.014	15.383,676	149.226,923	9,700	9,239
23	13	98.299	62.337,196	2.007.270,330	32,200	31,739	73	63	61.371	14.459,502	133.843,247	9,256	8,795
24	14	98.217	61.063,682	1.944.933,134	31,851	31,389	74	64	58.590	13.533,492	119.383,745	8,821	8,360
25	15	98.134	59.815,946	1.883.869,452	31,494	31,033	75	65	55.692	12.611,912	105.850,253	8,393	7,931
26	16	98.045	58.589,719	1.824.053,506	31,133	30,671	76	66	52.683	11.696,619	93.238,341	7,971	7,510
27	17	97.954	57.387,665	1.765.463,787	30,764	30,302	77	67	49.602	10.796,544	81.541,722	7,553	7,091
28	18	97.863	56.209,811	1.708.076,122	30,388	29,926	78	68	46.410	9.903,768	70.745,178	7,143	6,682
29	19	97.763	55.051,315	1.651.866,311	30,006	29,544	79	69	43.094	9.015,864	60.841,411	6,748	6,287
30	20	97.667	53.918,966	1.596.814,996	29,615	29,153	80	70	39.711	8.145,198	51.825,547	6,363	5,901
31	21	97.565	52.806,428	1.542.896,030	29,218	28,756	81	71	36.238	7.286,951	43.680,348	5,994	5,533
32	22	97.464	51.717,468	1.490.089,603	28,812	28,351	82	72	32.723	6.451,196	36.393,397	5,641	5,180
33	23	97.357	50.648,145	1.438.372,134	28,399	27,938	83	73	29.117	5.627,717	29.942,201	5,320	4,859
34	24	97.247	49.598,543	1.387.723,989	27,979	27,518	84	74	25.617	4.854,228	24.314,484	5,009	4,547
35	25	97.127	48.566,382	1.338.125,446	27,553	27,091	85	75	22.274	4.137,911	19.460,256	4,703	4,241
36	26	97.002	47.552,568	1.289.559,064	27,119	26,657	86	76	19.175	3.492,396	15.322,345	4,387	3,926
37	27	96.865	46.554,501	1.242.006,496	26,679	26,217	87	77	16.154	2.884,380	11.829,950	4,101	3,640
38	28	96.720	45.573,241	1.195.451,995	26,231	25,770	88	78	13.281	2.324,979	8.945,569	3,848	3,386
39	29	96.558	44.604,837	1.149.878,755	25,779	25,318	89	79	10.672	1.831,652	6.620,590	3,615	3,153
40	30	96.381	43.650,052	1.105.273,917	25,321	24,860	90	80	8.385	1.410,912	4.788,938	3,394	2,933
41	31	96.184	42.706,481	1.061.623,865	24,859	24,397	91	81	6.429	1.060,569	3.378,027	3,185	2,723
42	32	95.967	41.774,634	1.018.917,384	24,391	23,929	92	82	4.780	772,979	2.317,458	2,998	2,536
43	33	95.721	40.850,663	977.142,750	23,920	23,458	93	83	3.443	545,874	1.544,479	2,829	2,368
44	34	95.446	39.934,563	936.292,087	23,446	22,984	94	84	2.405	373,778	998,605	2,672	2,210
45	35	95.145	39.028,189	896.357,524	22,967	22,505	95	85	1.623	247,396	624,827	2,526	2,064
46	36	94.804	38.125,664	857.329,335	22,487	22,025	96	86	1.061	158,465	377,431	2,382	1,920
47	37	94.428	37.230,167	819.203,671	22,004	21,542	97	87	664	97,291	218,965	2,251	1,789
48	38	94.017	36.341,062	781.973,504	21,518	21,056	98	88	397	56,972	121,675	2,136	1,674
49	39	93.568	35.458,219	745.632,442	21,028	20,567	99	89	227	31,896	64,702	2,029	1,567
							100	90	123	16,986	32,806	1,931	1,470

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 11 Jahre

Zinsfuß 2,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	39	93.148	34.606,932	713.517,808	20,618	20,156
1							51	40	92.612	33.733,221	678.910,876	20,126	19,664
2							52	41	92.052	32.871,825	645.177,655	19,627	19,165
3							53	42	91.422	32.006,601	612.305,830	19,131	18,669
4							54	43	90.745	31.146,715	580.299,229	18,631	18,170
5							55	44	90.012	30.289,287	549.152,514	18,130	17,669
6							56	45	89.213	29.432,071	518.863,226	17,629	17,168
7							57	46	88.374	28.583,593	489.431,155	17,123	16,661
8							58	47	87.452	27.730,758	460.847,562	16,619	16,157
9							59	48	86.451	26.875,559	433.116,804	16,116	15,654
10							60	49	85.360	26.016,363	406.241,245	15,615	15,153
11	0	99.384	79.930,948	2.868.234,183	35,884	35,422	61	50	84.196	25.158,385	380.224,883	15,113	14,652
12	1	98.992	78.054,854	2.788.303,235	35,722	35,261	62	51	82.975	24.307,254	355.066,498	14,607	14,146
13	2	98.944	76.486,970	2.710.248,381	35,434	34,973	63	52	81.630	23.444,356	330.759,244	14,108	13,647
14	3	98.912	74.962,679	2.633.761,411	35,134	34,673	64	53	80.207	22.584,030	307.314,888	13,608	13,146
15	4	98.876	73.466,651	2.558.798,732	34,829	34,368	65	54	78.692	21.722,970	284.730,858	13,107	12,646
16	5	98.840	71.999,838	2.485.332,080	34,519	34,057	66	55	77.045	20.851,273	263.007,888	12,614	12,152
17	6	98.790	70.551,817	2.413.332,242	34,207	33,745	67	56	75.285	19.975,336	242.156,615	12,123	11,661
18	7	98.730	69.127,019	2.342.780,425	33,891	33,429	68	57	73.376	19.087,240	222.181,279	11,640	11,179
19	8	98.647	67.714,284	2.273.653,406	33,577	33,116	69	58	71.322	18.189,065	203.094,039	11,166	10,704
20	9	98.558	66.326,718	2.205.939,122	33,259	32,797	70	59	69.151	17.289,536	184.904,974	10,695	10,233
21	10	98.477	64.972,558	2.139.612,404	32,931	32,469	71	60	66.837	16.383,413	167.615,438	10,231	9,769
22	11	98.391	63.643,289	2.074.639,846	32,598	32,136	72	61	64.376	15.470,735	151.232,025	9,775	9,314
23	12	98.308	62.342,490	2.010.996,557	32,257	31,796	73	62	61.760	14.551,071	135.761,290	9,330	8,868
24	13	98.227	61.069,599	1.948.654,067	31,909	31,447	74	63	58.991	13.626,175	121.210,219	8,895	8,434
25	14	98.146	59.822,917	1.887.584,468	31,553	31,091	75	64	56.102	12.704,820	107.584,044	8,468	8,006
26	15	98.063	58.600,189	1.827.761,552	31,190	30,729	76	65	53.117	11.792,936	94.879,224	8,045	7,584
27	16	97.975	57.399,821	1.769.161,362	30,822	30,360	77	66	50.055	10.895,218	83.086,288	7,626	7,164
28	17	97.884	56.222,181	1.711.761,541	30,446	29,985	78	67	46.887	10.005,473	72.191,071	7,215	6,754
29	18	97.791	55.067,152	1.655.539,360	30,064	29,602	79	68	43.593	9.120,176	62.185,597	6,818	6,357
30	19	97.694	53.933,916	1.600.472,209	29,675	29,213	80	69	40.225	8.250,459	53.065,421	6,432	5,970
31	20	97.595	52.823,112	1.546.538,292	29,278	28,816	81	70	36.760	7.392,018	44.814,962	6,063	5,601
32	21	97.488	51.730,125	1.493.715,180	28,875	28,414	82	71	33.262	6.557,508	37.422,944	5,707	5,245
33	22	97.384	50.661,861	1.441.985,055	28,463	28,001	83	72	29.652	5.731,043	30.865,435	5,386	4,924
34	23	97.272	49.611,487	1.391.323,193	28,044	27,583	84	73	26.150	4.955,176	25.134,393	5,072	4,611
35	24	97.154	48.579,580	1.341.711,707	27,619	27,157	85	74	22.793	4.234,291	20.179,217	4,766	4,304
36	25	97.026	47.564,272	1.293.132,127	27,187	26,725	86	75	19.686	3.585,355	15.944,926	4,447	3,986
37	26	96.892	46.567,538	1.245.567,855	26,748	26,286	87	76	16.635	2.970,367	12.359,571	4,161	3,699
38	27	96.748	45.586,526	1.199.000,316	26,302	25,840	88	77	13.728	2.403,160	9.389,203	3,907	3,445
39	28	96.587	44.618,081	1.153.413,790	25,851	25,389	89	78	11.083	1.902,150	6.986,043	3,673	3,211
40	29	96.409	43.662,832	1.108.795,709	25,394	24,933	90	79	8.753	1.472,869	5.083,894	3,452	2,990
41	30	96.215	42.720,469	1.065.132,877	24,933	24,471	91	80	6.758	1.114,880	3.611,024	3,239	2,777
42	31	96.001	41.789,561	1.022.412,408	24,466	24,004	92	81	5.062	818,612	2.496,145	3,049	2,588
43	32	95.755	40.865,194	980.622,847	23,997	23,535	93	82	3.681	583,588	1.677,533	2,875	2,413
44	33	95.484	39.950,526	939.757,653	23,523	23,061	94	83	2.590	402,629	1.093,945	2,717	2,255
45	34	95.190	39.046,495	899.807,127	23,045	22,583	95	84	1.765	269,015	691,316	2,570	2,108
46	35	94.852	38.145,193	860.760,632	22,565	22,104	96	85	1.161	173,532	422,301	2,434	1,972
47	36	94.482	37.251,231	822.615,440	22,083	21,621	97	86	739	108,199	248,769	2,299	1,838
48	37	94.075	36.363,361	785.364,209	21,598	21,136	98	87	450	64,586	140,570	2,176	1,715
49	38	93.633	35.483,040	749.000,848	21,109	20,647	99	88	261	36,726	75,984	2,069	1,607
							100	89	144	19,942	39,258	1,969	1,507

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 12 Jahre

Zinsfuß 2,00%

Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	38	93.213	34.631,157	716.582,313	20,692	20,230
1							51	39	92.686	33.760,238	681.951,157	20,200	19,738
2							52	40	92.132	32.900,447	648.190,918	19,702	19,240
3							53	41	91.512	32.038,271	615.290,471	19,205	18,743
4							54	42	90.847	31.181,785	583.252,200	18,705	18,243
5							55	43	90.129	30.328,655	552.070,415	18,203	17,741
6							56	44	89.338	29.473,098	521.741,761	17,702	17,241
7							57	45	88.515	28.628,999	492.268,663	17,195	16,733
8							58	46	87.610	27.780,652	463.639,664	16,689	16,228
9							59	47	86.619	26.927,924	435.859,013	16,186	15,725
10							60	48	85.542	26.071,633	408.931,088	15,685	15,223
11							61	49	84.399	25.219,080	382.859,456	15,181	14,720
12	0	99.370	78.352,353	2.792.122,812	35,635	35,174	62	50	83.185	24.368,825	357.640,376	14,676	14,215
13	1	98.980	76.514,373	2.713.770,459	35,467	35,006	63	51	81.857	23.509,648	333.271,551	14,176	13,714
14	2	98.931	74.977,503	2.637.256,086	35,174	34,712	64	52	80.450	22.652,513	309.761,903	13,675	13,213
15	3	98.893	73.479,264	2.562.278,583	34,871	34,409	65	53	78.941	21.791,778	287.109,390	13,175	12,714
16	4	98.853	72.009,139	2.488.799,319	34,562	34,101	66	54	77.314	20.924,052	265.317,611	12,680	12,218
17	5	98.802	70.561,041	2.416.790,180	34,251	33,789	67	55	75.571	20.051,267	244.393,559	12,188	11,727
18	6	98.740	69.133,389	2.346.229,140	33,938	33,476	68	56	73.672	19.164,179	224.342,292	11,706	11,245
19	7	98.656	67.720,182	2.277.095,750	33,625	33,163	69	57	71.642	18.270,609	205.178,113	11,230	10,768
20	8	98.567	66.333,085	2.209.375,568	33,307	32,846	70	58	69.485	17.373,199	186.907,505	10,758	10,297
21	9	98.483	64.976,757	2.143.042,483	32,982	32,520	71	59	67.178	16.467,128	169.534,306	10,295	9,834
22	10	98.400	63.648,641	2.078.065,726	32,649	32,187	72	60	64.732	15.556,361	153.067,177	9,840	9,378
23	11	98.317	62.348,337	2.014.417,085	32,309	31,847	73	61	62.110	14.633,418	137.510,816	9,397	8,935
24	12	98.235	61.074,786	1.952.068,748	31,962	31,500	74	62	59.365	13.712,466	122.877,398	8,961	8,499
25	13	98.155	59.828,714	1.890.993,962	31,607	31,145	75	63	56.487	12.791,828	109.164,932	8,534	8,072
26	14	98.074	58.607,018	1.831.165,249	31,245	30,783	76	64	53.508	11.879,811	96.373,104	8,112	7,651
27	15	97.992	57.410,078	1.772.558,230	30,875	30,414	77	65	50.467	10.984,936	84.493,293	7,692	7,230
28	16	97.905	56.234,090	1.715.148,152	30,500	30,039	78	66	47.315	10.096,917	73.508,358	7,280	6,819
29	17	97.812	55.079,270	1.658.914,062	30,119	29,657	79	67	44.041	9.213,835	63.411,441	6,882	6,421
30	18	97.722	53.949,432	1.603.834,792	29,728	29,267	80	68	40.690	8.345,916	54.197,606	6,494	6,032
31	19	97.622	52.837,759	1.549.885,360	29,333	28,871	81	69	37.235	7.487,545	45.851,689	6,124	5,662
32	20	97.518	51.746,470	1.497.047,601	28,930	28,469	82	70	33.742	6.652,058	38.364,144	5,767	5,306
33	21	97.408	50.674,260	1.445.301,131	28,521	28,060	83	71	30.140	5.825,487	31.712,087	5,444	4,982
34	22	97.298	49.624,922	1.394.626,871	28,103	27,642	84	72	26.630	5.046,154	25.886,600	5,130	4,668
35	23	97.179	48.592,258	1.345.001,949	27,679	27,218	85	73	23.267	4.322,347	20.840,446	4,822	4,360
36	24	97.052	47.577,198	1.296.409,691	27,249	26,787	86	74	20.144	3.668,865	16.518,099	4,502	4,041
37	25	96.916	46.579,000	1.248.832,493	26,811	26,349	87	75	17.078	3.049,432	12.849,234	4,214	3,752
38	26	96.775	45.599,292	1.202.253,493	26,366	25,904	88	76	14.137	2.474,802	9.799,802	3,960	3,498
39	27	96.615	44.631,088	1.156.654,201	25,916	25,454	89	77	11.456	1.966,112	7.325,000	3,726	3,264
40	28	96.438	43.675,796	1.112.023,114	25,461	24,999	90	78	9.090	1.529,558	5.358,888	3,504	3,042
41	29	96.243	42.732,977	1.068.347,317	25,001	24,539	91	79	7.055	1.163,838	3.829,330	3,290	2,829
42	30	96.032	41.803,248	1.025.614,340	24,534	24,073	92	80	5.321	860,532	2.665,493	3,097	2,636
43	31	95.789	40.879,797	983.811,092	24,066	23,604	93	81	3.898	618,040	1.804,960	2,920	2,459
44	32	95.518	39.964,736	942.931,295	23,594	23,132	94	82	2.769	430,446	1.186,921	2,757	2,296
45	33	95.228	39.062,103	902.966,559	23,116	22,655	95	83	1.901	289,780	756,474	2,611	2,149
46	34	94.897	38.163,084	863.904,456	22,637	22,176	96	84	1.263	188,696	466,695	2,473	2,012
47	35	94.530	37.270,312	825.741,371	22,155	21,694	97	85	809	118,486	277,998	2,346	1,885
48	36	94.128	36.383,934	788.471,060	21,671	21,209	98	86	500	71,827	159,512	2,221	1,759
49	37	93.691	35.504,812	752.087,125	21,183	20,721	99	87	296	41,634	87,685	2,106	1,644
							100	88	166	22,962	46,051	2,005	1,544

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 13 Jahre

Zinsfuß 2,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	37	93.270	34.652,406	719.389,345	20,760	20,299
1							51	38	92.751	33.783,871	684.736,939	20,268	19,807
2							52	39	92.206	32.926,797	650.953,069	19,770	19,308
3							53	40	91.592	32.066,168	618.026,271	19,273	18,812
4							54	41	90.937	31.212,638	585.960,104	18,773	18,312
5							55	42	90.230	30.362,803	554.747,466	18,271	17,809
6							56	43	89.454	29.511,404	524.384,663	17,769	17,307
7							57	44	88.638	28.668,906	494.873,258	17,262	16,800
8							58	45	87.749	27.824,782	466.204,352	16,755	16,293
9							59	46	86.775	26.976,373	438.379,570	16,251	15,789
10							60	47	85.709	26.122,432	411.403,197	15,749	15,287
11							61	48	84.579	25.272,656	385.280,765	15,245	14,783
12							62	49	83.386	24.427,616	360.008,109	14,738	14,276
13	0	99.357	76.806,001	2.717.295,752	35,379	34,917	63	50	82.065	23.569,198	335.580,493	14,238	13,776
14	1	98.967	75.004,365	2.640.489,751	35,204	34,743	64	51	80.674	22.715,600	312.011,295	13,736	13,274
15	2	98.913	73.493,795	2.565.485,385	34,908	34,446	65	52	79.181	21.857,859	289.295,695	13,235	12,774
16	3	98.870	72.021,501	2.491.991,591	34,601	34,139	66	53	77.559	20.990,330	267.437,836	12,741	12,279
17	4	98.815	70.570,155	2.419.970,090	34,292	33,830	67	54	75.834	20.121,254	246.447,506	12,248	11,787
18	5	98.752	69.142,428	2.349.399,935	33,979	33,518	68	55	73.952	19.237,027	226.326,252	11,765	11,304
19	6	98.665	67.726,423	2.280.257,507	33,669	33,207	69	56	71.930	18.344,256	207.089,226	11,289	10,827
20	7	98.576	66.338,863	2.212.531,084	33,352	32,890	70	57	69.797	17.451,085	188.744,970	10,816	10,354
21	8	98.493	64.982,995	2.146.192,222	33,027	32,565	71	58	67.504	16.546,812	171.293,885	10,352	9,890
22	9	98.406	63.652,754	2.081.209,227	32,696	32,235	72	59	65.063	15.635,850	154.747,074	9,897	9,435
23	10	98.325	62.353,581	2.017.556,473	32,357	31,895	73	60	62.453	14.714,410	139.111,223	9,454	8,992
24	11	98.244	61.080,514	1.955.202,892	32,010	31,549	74	61	59.701	13.790,068	124.396,813	9,021	8,559
25	12	98.164	59.833,795	1.894.122,379	31,656	31,195	75	62	56.844	12.872,835	110.606,746	8,592	8,131
26	13	98.084	58.612,697	1.834.288,583	31,295	30,833	76	63	53.875	11.961,169	97.733,911	8,171	7,709
27	14	98.004	57.416,769	1.775.675,886	30,926	30,464	77	64	50.839	11.065,858	85.772,742	7,751	7,290
28	15	97.922	56.244,139	1.718.259,117	30,550	30,088	78	65	47.705	10.180,061	74.706,883	7,339	6,877
29	16	97.833	55.090,937	1.662.014,978	30,169	29,707	79	66	44.443	9.298,044	64.526,822	6,940	6,478
30	17	97.743	53.961,304	1.606.924,041	29,779	29,318	80	67	41.108	8.431,624	55.228,779	6,550	6,089
31	18	97.651	52.852,959	1.552.962,737	29,383	28,921	81	68	37.666	7.574,175	46.797,155	6,179	5,717
32	19	97.545	51.760,818	1.500.109,777	28,982	28,520	82	69	34.178	6.738,022	39.222,979	5,821	5,360
33	20	97.438	50.690,271	1.448.348,959	28,573	28,111	83	70	30.575	5.909,482	32.484,957	5,497	5,035
34	21	97.322	49.637,067	1.397.658,688	28,158	27,696	84	71	27.069	5.129,312	26.575,475	5,181	4,719
35	22	97.205	48.605,418	1.348.021,622	27,734	27,272	85	72	23.694	4.401,706	21.446,164	4,872	4,411
36	23	97.077	47.589,614	1.299.416,204	27,305	26,843	86	73	20.563	3.745,163	17.044,458	4,551	4,089
37	24	96.943	46.591,658	1.251.826,590	26,868	26,406	87	74	17.476	3.120,459	13.299,295	4,262	3,800
38	25	96.799	45.610,515	1.205.234,932	26,424	25,963	88	75	14.513	2.540,675	10.178,836	4,006	3,545
39	26	96.642	44.643,586	1.159.624,417	25,975	25,514	89	76	11.797	2.024,725	7.638,161	3,772	3,311
40	27	96.466	43.688,528	1.114.980,831	25,521	25,060	90	77	9.396	1.580,992	5.613,437	3,551	3,089
41	28	96.272	42.745,665	1.071.292,302	25,062	24,600	91	78	7.327	1.208,632	4.032,445	3,336	2,875
42	29	96.060	41.815,488	1.028.546,637	24,597	24,136	92	79	5.555	898,321	2.823,813	3,143	2,682
43	30	95.820	40.893,186	986.731,149	24,129	23,668	93	80	4.098	649,689	1.925,492	2,964	2,502
44	31	95.552	39.979,017	945.837,963	23,658	23,197	94	81	2.933	455,858	1.275,803	2,799	2,337
45	32	95.262	39.075,997	905.858,946	23,182	22,720	95	82	2.033	309,800	819,945	2,647	2,185
46	33	94.935	38.178,340	866.782,949	22,704	22,242	96	83	1.360	203,262	510,145	2,510	2,048
47	34	94.575	37.287,793	828.604,609	22,222	21,760	97	84	880	128,840	306,884	2,382	1,920
48	35	94.176	36.402,571	791.316,816	21,738	21,276	98	85	548	78,656	178,043	2,264	1,802
49	36	93.744	35.524,900	754.914,245	21,250	20,789	99	86	329	46,302	99,387	2,147	1,685
							100	87	189	26,031	53,085	2,039	1,578

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 14 Jahre

Zinsfuß 2,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	36	93.323	34.672,012	721.960,252	20,823	20,361
1							51	37	92.808	33.804,600	687.288,240	20,331	19,870
2							52	38	92.270	32.949,846	653.483,640	19,833	19,371
3							53	39	91.665	32.091,849	620.533,794	19,336	18,875
4							54	40	91.016	31.239,816	588.441,945	18,836	18,375
5							55	41	90.319	30.392,846	557.202,128	18,333	17,872
6							56	42	89.555	29.544,632	526.809,283	17,831	17,369
7							57	43	88.753	28.706,167	497.264,650	17,323	16,861
8							58	44	87.871	27.863,568	468.558,483	16,816	16,355
9							59	45	86.913	27.019,226	440.694,915	16,310	15,849
10							60	46	85.863	26.169,431	413.675,689	15,808	15,346
11							61	47	84.744	25.321,898	387.506,257	15,303	14,842
12							62	48	83.563	24.479,511	362.184,359	14,795	14,334
13							63	49	82.263	23.626,060	337.704,848	14,294	13,832
14	0	99.344	75.290,237	2.643.744,520	35,114	34,652	64	50	80.879	22.773,139	314.078,788	13,792	13,330
15	1	98.948	73.520,125	2.568.454,283	34,935	34,474	65	51	79.401	21.918,733	291.305,649	13,290	12,829
16	2	98.890	72.035,743	2.494.934,158	34,635	34,173	66	52	77.794	21.053,981	269.386,916	12,795	12,333
17	3	98.832	70.582,270	2.422.898,414	34,327	33,866	67	53	76.075	20.184,989	248.332,936	12,303	11,841
18	4	98.765	69.151,359	2.352.316,144	34,017	33,555	68	54	74.210	19.304,171	228.147,947	11,819	11,357
19	5	98.678	67.735,277	2.283.164,785	33,707	33,246	69	55	72.204	18.413,987	208.843,776	11,342	10,880
20	6	98.585	66.344,976	2.215.429,508	33,393	32,931	70	56	70.078	17.521,428	190.429,789	10,868	10,407
21	7	98.501	64.988,654	2.149.084,532	33,069	32,607	71	57	67.806	16.620,993	172.908,361	10,403	9,941
22	8	98.415	63.658,865	2.084.095,877	32,739	32,277	72	58	65.378	15.711,511	156.287,368	9,947	9,486
23	9	98.332	62.357,610	2.020.437,013	32,401	31,939	73	59	62.772	14.789,597	140.575,857	9,505	9,043
24	10	98.252	61.085,651	1.958.079,402	32,055	31,593	74	60	60.031	13.866,392	125.786,260	9,071	8,610
25	11	98.173	59.839,407	1.896.993,752	31,701	31,240	75	61	57.166	12.945,685	111.919,869	8,645	8,184
26	12	98.092	58.617,675	1.837.154,345	31,341	30,880	76	62	54.216	12.036,916	98.974,183	8,223	7,761
27	13	98.013	57.422,333	1.778.536,669	30,973	30,511	77	63	51.187	11.141,642	86.937,267	7,803	7,341
28	14	97.934	56.250,694	1.721.114,337	30,597	30,136	78	64	48.056	10.255,055	75.795,625	7,391	6,929
29	15	97.850	55.100,782	1.664.863,643	30,215	29,753	79	65	44.809	9.374,609	65.540,571	6,991	6,530
30	16	97.764	53.972,734	1.609.762,861	29,825	29,364	80	66	41.484	8.508,683	56.165,961	6,601	6,139
31	17	97.672	52.864,591	1.555.790,127	29,430	28,968	81	67	38.053	7.651,958	47.657,278	6,228	5,767
32	18	97.573	51.775,708	1.502.925,536	29,028	28,566	82	68	34.573	6.815,981	40.005,321	5,869	5,408
33	19	97.465	50.704,326	1.451.149,828	28,620	28,158	83	69	30.970	5.985,850	33.189,340	5,545	5,083
34	20	97.353	49.652,750	1.400.445,501	28,205	27,743	84	70	27.459	5.203,268	27.203,490	5,228	4,767
35	21	97.229	48.617,313	1.350.792,751	27,784	27,323	85	71	24.084	4.474,244	22.000,221	4,917	4,455
36	22	97.104	47.602,502	1.302.175,439	27,355	26,894	86	72	20.940	3.813,924	17.525,978	4,595	4,134
37	23	96.968	46.603,817	1.254.572,936	26,920	26,458	87	73	17.839	3.185,352	13.712,053	4,305	3,843
38	24	96.825	45.622,910	1.207.969,120	26,477	26,016	88	74	14.851	2.599,852	10.526,701	4,049	3,587
39	25	96.666	44.654,574	1.162.346,210	26,030	25,568	89	75	12.111	2.078,618	7.926,849	3,814	3,352
40	26	96.493	43.700,763	1.117.691,635	25,576	25,114	90	76	9.676	1.628,123	5.848,231	3,592	3,130
41	27	96.300	42.758,126	1.073.990,873	25,118	24,656	91	77	7.573	1.249,274	4.220,108	3,378	2,916
42	28	96.089	41.827,904	1.031.232,747	24,654	24,193	92	78	5.768	932,896	2.970,834	3,185	2,723
43	29	95.849	40.905,159	989.404,843	24,188	23,726	93	79	4.277	678,219	2.037,938	3,005	2,543
44	30	95.583	39.992,111	948.499,684	23,717	23,256	94	80	3.083	479,202	1.359,719	2,837	2,376
45	31	95.296	39.089,961	908.507,572	23,241	22,780	95	81	2.153	328,089	880,517	2,684	2,222
46	32	94.968	38.191,920	869.417,612	22,764	22,303	96	82	1.454	217,305	552,428	2,542	2,081
47	33	94.612	37.302,698	831.225,692	22,283	21,822	97	83	947	138,785	335,123	2,415	1,953
48	34	94.220	36.419,645	793.922,994	21,799	21,338	98	84	596	85,529	196,338	2,296	1,834
49	35	93.792	35.543,096	757.503,349	21,312	20,851	99	85	360	50,704	110,809	2,185	1,724
							100	86	210	28,949	60,104	2,076	1,615

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 15 Jahre

Zinsfuß 2,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	35	93.371	34.689,772	724.314,559	20,880	20,418
1							51	36	92.860	33.823,726	689.624,787	20,389	19,927
2							52	37	92.327	32.970,064	655.801,061	19,891	19,429
3							53	38	91.729	32.114,314	622.830,997	19,394	18,933
4							54	39	91.089	31.264,836	590.716,683	18,894	18,432
5							55	40	90.398	30.419,310	559.451,847	18,391	17,930
6							56	41	89.643	29.573,866	529.032,537	17,889	17,427
7							57	42	88.853	28.738,489	499.458,671	17,379	16,918
8							58	43	87.985	27.899,783	470.720,183	16,872	16,410
9							59	44	87.034	27.056,889	442.820,400	16,366	15,905
10							60	45	85.999	26.211,002	415.763,511	15,862	15,401
11							61	46	84.896	25.367,458	389.552,508	15,356	14,895
12							62	47	83.726	24.527,207	364.185,050	14,848	14,387
13							63	48	82.437	23.676,252	339.657,843	14,346	13,884
14							64	49	81.074	22.828,080	315.981,591	13,842	13,380
15	0	99.326	73.800,340	2.571.460,603	34,843	34,382	65	50	79.602	21.974,254	293.153,511	13,341	12,879
16	1	98.925	72.061,552	2.497.660,262	34,660	34,198	66	51	78.011	21.112,615	271.179,257	12,844	12,383
17	2	98.852	70.596,228	2.425.598,711	34,359	33,897	67	52	76.305	20.246,197	250.066,642	12,351	11,890
18	3	98.782	69.163,230	2.355.002,482	34,050	33,588	68	53	74.445	19.365,318	229.820,445	11,868	11,406
19	4	98.690	67.744,027	2.285.839,252	33,742	33,281	69	54	72.456	18.478,259	210.455,127	11,389	10,928
20	5	98.598	66.353,650	2.218.095,225	33,428	32,967	70	55	70.344	17.588,032	191.976,868	10,915	10,454
21	6	98.510	64.994,643	2.151.741,575	33,106	32,645	71	56	68.079	16.687,990	174.388,836	10,450	9,988
22	7	98.424	63.664,409	2.086.746,932	32,777	32,316	72	57	65.671	15.781,947	157.700,846	9,992	9,531
23	8	98.341	62.363,597	2.023.082,523	32,440	31,979	73	58	63.076	14.861,163	141.918,899	9,550	9,088
24	9	98.259	61.089,598	1.960.718,926	32,096	31,634	74	59	60.338	13.937,246	127.057,736	9,116	8,655
25	10	98.181	59.844,439	1.899.629,328	31,743	31,281	75	60	57.482	13.017,336	113.120,491	8,690	8,228
26	11	98.101	58.623,173	1.839.784,889	31,383	30,922	76	61	54.523	12.105,035	100.103,155	8,270	7,808
27	12	98.022	57.427,210	1.781.161,716	31,016	30,554	77	62	51.511	11.212,199	87.998,119	7,848	7,387
28	13	97.943	56.256,144	1.723.734,506	30,641	30,179	78	63	48.386	10.325,285	76.785,920	7,437	6,975
29	14	97.862	55.107,203	1.667.478,361	30,259	29,797	79	64	45.139	9.443,669	66.460,635	7,038	6,576
30	15	97.782	53.982,380	1.612.371,158	29,868	29,407	80	65	41.825	8.578,749	57.016,965	6,646	6,185
31	16	97.693	52.875,788	1.558.388,779	29,473	29,011	81	66	38.401	7.721,891	48.438,216	6,273	5,811
32	17	97.595	51.787,103	1.505.512,990	29,071	28,610	82	67	34.928	6.885,977	40.716,325	5,913	5,451
33	18	97.493	50.718,913	1.453.725,888	28,662	28,201	83	68	31.328	6.055,106	33.830,348	5,587	5,125
34	19	97.380	49.666,518	1.403.006,975	28,249	27,787	84	69	27.814	5.270,511	27.775,242	5,270	4,808
35	20	97.260	48.632,674	1.353.340,457	27,828	27,366	85	70	24.432	4.538,755	22.504,732	4,958	4,497
36	21	97.128	47.614,152	1.304.707,783	27,402	26,940	86	71	21.286	3.876,776	17.965,976	4,634	4,173
37	22	96.994	46.616,438	1.257.093,631	26,967	26,505	87	72	18.167	3.243,835	14.089,201	4,343	3,882
38	23	96.851	45.634,816	1.210.477,194	26,525	26,064	88	73	15.160	2.653,919	10.845,365	4,087	3,625
39	24	96.692	44.666,709	1.164.842,377	26,079	25,617	89	74	12.393	2.127,033	8.191,447	3,851	3,390
40	25	96.517	43.711,519	1.120.175,668	25,627	25,165	90	75	9.934	1.671,460	6.064,414	3,628	3,167
41	26	96.327	42.770,100	1.076.464,149	25,169	24,707	91	76	7.799	1.286,517	4.392,954	3,415	2,953
42	27	96.117	41.840,097	1.033.694,049	24,706	24,244	92	77	5.962	964,266	3.106,437	3,222	2,760
43	28	95.877	40.917,304	991.853,952	24,240	23,779	93	78	4.442	704,323	2.142,171	3,041	2,580
44	29	95.611	40.003,821	950.936,648	23,771	23,310	94	79	3.218	500,245	1.437,848	2,874	2,413
45	30	95.327	39.102,764	910.932,827	23,296	22,834	95	80	2.263	344,890	937,603	2,719	2,257
46	31	95.002	38.205,567	871.830,064	22,819	22,358	96	81	1.540	230,133	592,713	2,576	2,114
47	32	94.646	37.315,967	833.624,497	22,340	21,878	97	82	1.013	148,374	362,580	2,444	1,982
48	33	94.258	36.434,203	796.308,530	21,856	21,394	98	83	642	92,131	214,206	2,325	1,863
49	34	93.836	35.559,768	759.874,326	21,369	20,907	99	84	392	55,135	122,075	2,214	1,752
							100	85	230	31,702	66,940	2,112	1,650

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 16 Jahre

Zinsfuß 2,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	34	93.414	34.706,042	726.470,538	20,932	20,470
1							51	35	92.908	33.841,051	691.764,495	20,442	19,980
2							52	36	92.379	32.988,718	657.923,444	19,944	19,482
3							53	37	91.786	32.134,019	624.934,726	19,448	18,986
4							54	38	91.153	31.286,722	592.800,707	18,947	18,486
5							55	39	90.470	30.443,673	561.513,986	18,444	17,983
6							56	40	89.721	29.599,617	531.070,313	17,942	17,480
7							57	41	88.941	28.766,924	501.470,696	17,432	16,971
8							58	42	88.085	27.931,196	472.703,772	16,924	16,462
9							59	43	87.147	27.092,056	444.772,575	16,417	15,955
10							60	44	86.119	26.247,539	417.680,520	15,913	15,452
11							61	45	85.031	25.407,755	391.432,981	15,406	14,944
12							62	46	83.876	24.571,337	366.025,226	14,896	14,435
13							63	47	82.598	23.722,384	341.453,889	14,394	13,927
14							64	48	81.246	22.876,577	317.731,505	13,889	13,427
15							65	49	79.794	22.027,267	294.854,929	13,386	12,924
16	0	99.302	72.336,208	2.500.438,541	34,567	34,105	66	50	78.208	21.166,094	272.827,661	12,890	12,428
17	1	98.887	70.621,521	2.428.102,333	34,382	33,920	67	51	76.518	20.302,582	251.661,567	12,396	11,934
18	2	98.802	69.176,908	2.357.480,812	34,079	33,617	68	52	74.671	19.424,041	231.358,985	11,911	11,449
19	3	98.707	67.755,657	2.288.303,905	33,773	33,311	69	53	72.685	18.536,789	211.934,944	11,433	10,972
20	4	98.611	66.362,221	2.220.548,248	33,461	32,999	70	54	70.590	17.649,421	193.398,155	10,958	10,496
21	5	98.523	65.003,141	2.154.186,027	33,140	32,678	71	55	68.338	16.751,425	175.748,734	10,492	10,030
22	6	98.433	63.670,276	2.089.182,886	32,813	32,351	72	56	65.936	15.845,563	158.997,308	10,034	9,573
23	7	98.350	62.369,028	2.025.512,610	32,476	32,015	73	57	63.359	14.927,787	143.151,746	9,590	9,128
24	8	98.268	61.095,463	1.963.143,582	32,132	31,671	74	58	60.630	14.004,687	128.223,959	9,156	8,694
25	9	98.187	59.848,307	1.902.048,119	31,781	31,320	75	59	57.776	13.083,851	114.219,272	8,730	8,268
26	10	98.109	58.628,103	1.842.199,813	31,422	30,960	76	60	54.825	12.172,033	101.135,421	8,309	7,847
27	11	98.031	57.432,596	1.783.571,709	31,055	30,593	77	61	51.803	11.275,651	88.963,387	7,890	7,428
28	12	97.952	56.260,923	1.726.139,114	30,681	30,219	78	62	48.692	10.390,673	77.687,736	7,477	7,015
29	13	97.871	55.112,543	1.669.878,191	30,299	29,838	79	63	45.448	9.508,344	67.297,063	7,078	6,616
30	14	97.793	53.988,671	1.614.765,648	29,909	29,448	80	64	42.133	8.641,946	57.788,720	6,687	6,225
31	15	97.710	52.885,237	1.560.776,977	29,513	29,051	81	65	38.717	7.785,478	49.146,774	6,313	5,851
32	16	97.616	51.798,072	1.507.891,740	29,111	28,649	82	66	35.248	6.948,910	41.361,295	5,952	5,491
33	17	97.515	50.730,074	1.456.093,668	28,703	28,241	83	67	31.650	6.117,288	34.412,385	5,625	5,164
34	18	97.408	49.680,806	1.405.363,594	28,288	27,826	84	68	28.136	5.331,490	28.295,097	5,307	4,846
35	19	97.287	48.646,159	1.355.682,788	27,868	27,407	85	69	24.747	4.597,410	22.963,607	4,995	4,533
36	20	97.158	47.629,196	1.307.036,629	27,442	26,980	86	70	21.592	3.932,673	18.366,197	4,670	4,209
37	21	97.018	46.627,846	1.259.407,433	27,010	26,548	87	71	18.466	3.297,292	14.433,524	4,377	3,916
38	22	96.877	45.647,175	1.212.779,587	26,569	26,107	88	72	15.438	2.702,645	11.136,233	4,120	3,659
39	23	96.717	44.678,366	1.167.132,412	26,123	25,661	89	73	12.651	2.171,267	8.433,588	3,884	3,423
40	24	96.543	43.723,398	1.122.454,046	25,672	25,210	90	74	10.165	1.710,392	6.262,321	3,661	3,200
41	25	96.351	42.780,627	1.078.730,649	25,215	24,754	91	75	8.006	1.320,761	4.551,929	3,446	2,985
42	26	96.144	41.851,814	1.035.950,022	24,753	24,291	92	76	6.140	993,012	3.231,169	3,254	2,792
43	27	95.905	40.929,232	994.098,208	24,288	23,827	93	77	4.591	728,007	2.238,156	3,074	2,613
44	28	95.640	40.015,698	953.168,975	23,820	23,358	94	78	3.342	519,499	1.510,150	2,907	2,445
45	29	95.355	39.114,213	913.153,277	23,346	22,884	95	79	2.362	360,036	990,651	2,752	2,290
46	30	95.034	38.218,080	874.039,065	22,870	22,408	96	80	1.619	241,918	630,616	2,607	2,145
47	31	94.680	37.329,301	835.820,984	22,390	21,929	97	81	1.073	157,133	388,697	2,474	2,012
48	32	94.291	36.447,163	798.491,683	21,908	21,447	98	82	686	98,496	231,564	2,351	1,889
49	33	93.873	35.573,982	762.044,520	21,421	20,960	99	83	422	59,391	133,068	2,241	1,779
							100	84	250	34,472	73,677	2,137	1,676

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 17 Jahre

Zinsfuß 2,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	33	93.452	34.719,916	728.443,999	20,981	20,519
1							51	34	92.951	33.856,924	693.724,084	20,490	20,028
2							52	35	92.427	33.005,615	659.867,160	19,993	19,531
3							53	36	91.837	32.152,200	626.861,544	19,497	19,035
4							54	37	91.209	31.305,919	594.709,344	18,997	18,535
5							55	38	90.534	30.464,984	563.403,426	18,493	18,032
6							56	39	89.793	29.623,323	532.938,442	17,991	17,529
7							57	40	89.019	28.791,973	503.315,119	17,481	17,019
8							58	41	88.172	27.958,833	474.523,146	16,972	16,511
9							59	42	87.245	27.122,559	446.564,313	16,465	16,003
10							60	43	86.231	26.281,653	419.441,753	15,959	15,498
11							61	44	85.149	25.443,172	393.160,100	15,452	14,991
12							62	45	84.010	24.610,369	367.716,928	14,942	14,480
13							63	46	82.747	23.765,065	343.106,559	14,437	13,976
14							64	47	81.404	22.921,150	319.341,494	13,932	13,471
15							65	48	79.964	22.074,063	296.420,343	13,428	12,967
16							66	49	78.397	21.217,158	274.346,281	12,930	12,469
17	0	99.264	70.890,688	2.430.671,355	34,288	33,826	67	50	76.712	20.354,009	253.129,123	12,436	11,975
18	1	98.837	69.201,692	2.359.780,667	34,100	33,638	68	51	74.879	19.478,136	232.775,113	11,951	11,489
19	2	98.727	67.769,056	2.290.578,975	33,800	33,338	69	52	72.906	18.593,000	213.296,977	11,472	11,010
20	3	98.628	66.373,614	2.222.809,919	33,489	33,028	70	53	70.813	17.705,326	194.703,977	10,997	10,535
21	4	98.536	65.011,537	2.156.436,306	33,170	32,708	71	54	68.577	16.809,894	176.998,651	10,529	10,068
22	5	98.446	63.678,600	2.091.424,768	32,843	32,382	72	55	66.186	15.905,796	160.188,757	10,071	9,609
23	6	98.359	62.374,776	2.027.746,168	32,509	32,047	73	56	63.614	14.987,959	144.282,961	9,627	9,165
24	7	98.277	61.100,784	1.965.371,392	32,166	31,704	74	57	60.902	14.067,471	129.295,002	9,191	8,729
25	8	98.197	59.854,052	1.904.270,608	31,815	31,354	75	58	58.056	13.147,163	115.227,530	8,764	8,303
26	9	98.116	58.631,892	1.844.416,556	31,458	30,996	76	59	55.105	12.234,229	102.080,367	8,344	7,882
27	10	98.039	57.437,426	1.785.784,664	31,091	30,629	77	60	52.090	11.338,059	89.846,138	7,924	7,463
28	11	97.961	56.266,199	1.728.347,238	30,717	30,256	78	61	48.967	10.449,476	78.508,079	7,513	7,052
29	12	97.880	55.117,224	1.672.081,039	30,337	29,875	79	62	45.736	9.568,557	68.058,603	7,113	6,651
30	13	97.802	53.993,902	1.616.963,815	29,947	29,486	80	63	42.422	8.701,130	58.490,046	6,722	6,261
31	14	97.722	52.891,401	1.562.969,913	29,551	29,089	81	64	39.002	7.842,832	49.788,916	6,348	5,887
32	15	97.633	51.807,329	1.510.078,512	29,148	28,686	82	65	35.538	7.006,132	41.946,084	5,987	5,525
33	16	97.536	50.740,820	1.458.271,184	28,740	28,278	83	66	31.939	6.173,196	34.939,953	5,660	5,198
34	17	97.429	49.691,739	1.407.530,364	28,325	27,864	84	67	28.425	5.386,241	28.766,757	5,341	4,879
35	18	97.315	48.660,153	1.357.838,625	27,905	27,443	85	68	25.034	4.650,602	23.380,516	5,027	4,566
36	19	97.185	47.642,403	1.309.178,472	27,479	27,018	86	69	21.872	3.983,495	18.729,914	4,702	4,240
37	20	97.049	46.642,579	1.261.536,070	27,047	26,585	87	70	18.732	3.344,834	14.746,419	4,409	3,947
38	21	96.901	45.658,346	1.214.893,491	26,608	26,147	88	71	15.693	2.747,183	11.401,585	4,150	3,689
39	22	96.743	44.690,466	1.169.235,145	26,163	25,701	89	72	12.883	2.211,131	8.654,402	3,914	3,452
40	23	96.568	43.734,808	1.124.544,679	25,713	25,251	90	73	10.376	1.745,961	6.443,271	3,690	3,229
41	24	96.377	42.792,253	1.080.809,871	25,257	24,796	91	74	8.193	1.351,524	4.697,310	3,476	3,014
42	25	96.168	41.862,115	1.038.017,619	24,796	24,334	92	75	6.303	1.019,444	3.345,786	3,282	2,820
43	26	95.932	40.940,694	996.155,504	24,332	23,870	93	76	4.728	749,709	2.326,342	3,103	2,641
44	27	95.668	40.027,364	955.214,810	23,864	23,402	94	77	3.454	536,968	1.576,633	2,936	2,475
45	28	95.383	39.125,826	915.187,446	23,391	22,929	95	78	2.453	373,893	1.039,665	2,781	2,319
46	29	95.061	38.229,270	876.061,620	22,916	22,454	96	79	1.690	252,542	665,773	2,636	2,175
47	30	94.711	37.341,528	837.832,350	22,437	21,975	97	80	1.128	165,180	413,231	2,502	2,040
48	31	94.325	36.460,187	800.490,822	21,955	21,494	98	81	726	104,311	248,051	2,378	1,916
49	32	93.906	35.586,636	764.030,635	21,470	21,008	99	82	451	63,494	143,740	2,264	1,802
							100	83	269	37,133	80,246	2,161	1,699

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 18 Jahre

Zinsfuß 2,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	32	93.485	34.732,266	730.250,160	21,025	20,564
1							51	33	92.989	33.870,458	695.517,894	20,535	20,073
2							52	34	92.470	33.021,096	661.647,436	20,037	19,576
3							53	35	91.884	32.168,669	628.626,340	19,542	19,080
4							54	36	91.260	31.323,631	596.457,671	19,042	18,580
5							55	37	90.589	30.483,677	565.134,040	18,539	18,077
6							56	38	89.856	29.644,060	534.650,363	18,036	17,574
7							57	39	89.090	28.815,032	505.006,304	17,526	17,064
8							58	40	88.248	27.983,178	476.191,271	17,017	16,555
9							59	41	87.331	27.149,396	448.208,093	16,509	16,047
10							60	42	86.328	26.311,245	421.058,697	16,003	15,541
11							61	43	85.260	25.476,241	394.747,452	15,495	15,033
12							62	44	84.127	24.644,675	369.271,212	14,984	14,522
13							63	45	82.878	23.802,817	344.626,537	14,478	14,017
14							64	46	81.551	22.962,390	320.823,720	13,972	13,510
15							65	47	80.120	22.117,073	297.861,330	13,467	13,006
16							66	48	78.563	21.262,233	275.744,257	12,969	12,507
17							67	49	76.897	20.403,114	254.482,024	12,473	12,011
18	0	99.214	69.465,448	2.362.157,688	34,005	33,543	68	50	75.069	19.527,475	234.078,911	11,987	11,526
19	1	98.762	67.793,335	2.292.692,241	33,819	33,357	69	51	73.109	18.644,781	214.551,436	11,507	11,046
20	2	98.647	66.386,739	2.224.898,906	33,514	33,053	70	52	71.028	17.759,015	195.906,655	11,031	10,570
21	3	98.553	65.022,698	2.158.512,166	33,196	32,735	71	53	68.794	16.863,140	178.147,640	10,564	10,103
22	4	98.459	63.686,826	2.093.489,468	32,872	32,410	72	54	66.417	15.961,313	161.284,499	10,105	9,643
23	5	98.372	62.382,931	2.029.802,642	32,538	32,076	73	55	63.856	15.044,932	145.323,186	9,659	9,198
24	6	98.286	61.106,415	1.967.419,711	32,197	31,735	74	56	61.147	14.124,176	130.278,254	9,224	8,762
25	7	98.205	59.859,265	1.906.313,297	31,847	31,385	75	57	58.316	13.206,103	116.154,078	8,795	8,334
26	8	98.125	58.637,521	1.846.454,032	31,489	31,028	76	58	55.371	12.293,430	102.947,975	8,374	7,913
27	9	98.046	57.441,137	1.787.816,511	31,124	30,663	77	59	52.356	11.395,993	90.654,544	7,955	7,493
28	10	97.969	56.270,931	1.730.375,374	30,751	30,289	78	60	49.239	10.507,311	79.258,551	7,543	7,082
29	11	97.889	55.122,394	1.674.104,443	30,371	29,909	79	61	45.995	9.622,708	68.751,240	7,145	6,683
30	12	97.811	53.998,488	1.618.982,049	29,982	29,520	80	62	42.690	8.756,232	59.128,533	6,753	6,291
31	13	97.731	52.896,526	1.564.983,561	29,586	29,124	81	63	39.269	7.896,543	50.372,301	6,379	5,917
32	14	97.644	51.813,366	1.512.087,035	29,183	28,722	82	64	35.800	7.057,744	42.475,758	6,018	5,557
33	15	97.553	50.749,887	1.460.273,669	28,774	28,312	83	65	32.202	6.224,030	35.418,014	5,691	5,229
34	16	97.450	49.702,264	1.409.523,782	28,359	27,898	84	66	28.685	5.435,468	29.193,984	5,371	4,909
35	17	97.336	48.670,862	1.359.821,517	27,939	27,478	85	67	25.291	4.698,360	23.758,517	5,057	4,595
36	18	97.213	47.656,108	1.311.150,656	27,513	27,051	86	68	22.125	4.029,584	19.060,156	4,730	4,268
37	19	97.075	46.655,512	1.263.494,548	27,081	26,620	87	69	18.974	3.388,059	15.030,572	4,436	3,975
38	20	96.931	45.672,772	1.216.839,036	26,643	26,181	88	70	15.919	2.786,793	11.642,513	4,178	3,716
39	21	96.767	44.701,403	1.171.166,264	26,200	25,738	89	71	13.096	2.247,570	8.855,720	3,940	3,479
40	22	96.594	43.746,652	1.126.464,861	25,750	25,288	90	72	10.567	1.778,017	6.608,151	3,717	3,255
41	23	96.402	42.803,420	1.082.718,209	25,295	24,834	91	73	8.363	1.379,630	4.830,134	3,501	3,039
42	24	96.194	41.873,491	1.039.914,789	24,835	24,373	92	74	6.450	1.043,189	3.450,504	3,308	2,846
43	25	95.955	40.950,771	998.041,298	24,372	23,910	93	75	4.854	769,665	2.407,315	3,128	2,666
44	26	95.694	40.038,573	957.090,527	23,904	23,443	94	76	3.557	552,975	1.637,650	2,962	2,500
45	27	95.411	39.137,232	917.051,954	23,432	22,970	95	77	2.536	386,465	1.084,675	2,807	2,345
46	28	95.090	38.240,621	877.914,722	22,958	22,496	96	78	1.755	262,262	698,209	2,662	2,201
47	29	94.739	37.352,461	839.674,101	22,480	22,018	97	79	1.177	172,433	435,948	2,528	2,067
48	30	94.356	36.472,129	802.321,641	21,998	21,537	98	80	764	109,653	263,514	2,403	1,942
49	31	93.940	35.599,352	765.849,512	21,513	21,051	99	81	478	67,243	153,862	2,288	1,827
							100	82	288	39,699	86,619	2,182	1,720

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 19 Jahre

Zinsfuß 2,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	31	93.518	34.744,677	731.904,400	21,065	20,604
1							51	32	93.022	33.882,506	697.159,724	20,576	20,114
2							52	33	92.507	33.034,296	663.277,218	20,078	19,617
3							53	34	91.928	32.183,757	630.242,922	19,583	19,121
4							54	35	91.307	31.339,676	598.059,165	19,083	18,622
5							55	36	90.641	30.500,924	566.719,489	18,580	18,119
6							56	37	89.911	29.662,249	536.218,565	18,077	17,616
7							57	38	89.152	28.835,203	506.556,316	17,567	17,106
8							58	39	88.319	28.005,590	477.721,113	17,058	16,596
9							59	40	87.407	27.173,036	449.715,524	16,550	16,088
10							60	41	86.413	26.337,279	422.542,487	16,044	15,582
11							61	42	85.356	25.504,925	396.205,208	15,534	15,073
12							62	43	84.236	24.676,706	370.700,283	15,022	14,561
13							63	44	82.994	23.835,997	346.023,577	14,517	14,055
14							64	45	81.680	22.998,867	322.187,581	14,009	13,547
15							65	46	80.264	22.156,866	299.188,714	13,503	13,042
16							66	47	78.716	21.303,661	277.031,848	13,004	12,542
17							67	48	77.060	20.446,459	255.728,187	12,507	12,046
18							68	49	75.250	19.574,586	235.281,728	12,020	11,558
19	0	99.139	68.051,723	2.294.893,029	33,723	33,261	69	50	73.294	18.692,009	215.707,143	11,540	11,078
20	1	98.683	66.410,524	2.226.841,306	33,531	33,070	70	51	71.226	17.808,474	197.015,134	11,063	10,601
21	2	98.572	65.035,557	2.160.430,782	33,219	32,758	71	52	69.003	16.914,276	179.206,660	10,595	10,133
22	3	98.475	63.697,759	2.095.395,225	32,896	32,434	72	53	66.628	16.011,871	162.292,385	10,136	9,674
23	4	98.384	62.390,989	2.031.697,466	32,564	32,102	73	54	64.079	15.097,445	146.280,513	9,689	9,227
24	5	98.299	61.114,404	1.969.306,477	32,223	31,762	74	55	61.380	14.177,866	131.183,069	9,253	8,791
25	6	98.215	59.864,781	1.908.192,073	31,875	31,413	75	56	58.551	13.259,336	117.005,203	8,824	8,363
26	7	98.134	58.642,628	1.848.327,292	31,518	31,057	76	57	55.620	12.348,543	103.745,867	8,401	7,940
27	8	98.055	57.446,652	1.789.684,664	31,154	30,692	77	58	52.609	11.451,138	91.397,325	7,982	7,520
28	9	97.975	56.274,567	1.732.238,012	30,782	30,320	78	59	49.490	10.561,000	79.946,187	7,570	7,108
29	10	97.897	55.127,029	1.675.963,445	30,402	29,940	79	60	46.250	9.675,967	69.385,186	7,171	6,709
30	11	97.820	54.003,552	1.620.836,416	30,014	29,552	80	61	42.932	8.805,785	59.709,219	6,781	6,319
31	12	97.739	52.901,018	1.566.832,863	29,618	29,157	81	62	39.518	7.946,549	50.903,434	6,406	5,944
32	13	97.654	51.818,387	1.513.931,845	29,216	28,755	82	63	36.045	7.106,078	42.956,885	6,045	5,583
33	14	97.564	50.755,802	1.462.113,458	28,807	28,345	83	64	32.439	6.269,881	35.850,807	5,718	5,256
34	15	97.467	49.711,146	1.411.357,656	28,391	27,930	84	65	28.921	5.480,227	29.580,926	5,398	4,936
35	16	97.357	48.681,171	1.361.646,510	27,971	27,509	85	66	25.522	4.741,300	24.100,700	5,083	4,622
36	17	97.234	47.666,596	1.312.965,339	27,545	27,083	86	67	22.352	4.070,965	19.359,399	4,755	4,294
37	18	97.103	46.668,933	1.265.298,743	27,112	26,651	87	68	19.194	3.427,259	15.288,434	4,461	3,999
38	19	96.958	45.685,436	1.218.629,810	26,674	26,213	88	69	16.125	2.822,807	11.861,175	4,202	3,740
39	20	96.798	44.715,526	1.172.944,373	26,231	25,770	89	70	13.285	2.279,976	9.038,368	3,964	3,503
40	21	96.618	43.757,358	1.128.228,847	25,784	25,322	90	71	10.741	1.807,318	6.758,392	3,739	3,278
41	22	96.428	42.815,012	1.084.471,489	25,329	24,868	91	72	8.517	1.404,960	4.951,075	3,524	3,062
42	23	96.219	41.884,419	1.041.656,477	24,870	24,408	92	73	6.584	1.064,883	3.546,114	3,330	2,868
43	24	95.981	40.961,899	999.772,058	24,407	23,946	93	74	4.967	787,592	2.481,231	3,150	2,689
44	25	95.718	40.048,427	958.810,159	23,941	23,480	94	75	3.652	567,694	1.693,640	2,983	2,522
45	26	95.438	39.148,192	918.761,731	23,469	23,007	95	76	2.611	397,987	1.125,945	2,829	2,367
46	27	95.117	38.251,769	879.613,540	22,995	22,534	96	77	1.814	271,081	727,959	2,685	2,224
47	28	94.767	37.363,551	841.361,771	22,518	22,057	97	78	1.222	179,070	456,878	2,551	2,090
48	29	94.384	36.482,807	803.998,220	22,038	21,576	98	79	797	114,468	277,808	2,427	1,965
49	30	93.971	35.611,012	767.515,412	21,553	21,091	99	80	502	70,686	163,340	2,311	1,849
							100	81	305	42,042	92,654	2,204	1,742

Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004

Altersdifferenz zwischen Mann und Frau (x - y) = 20 Jahre

Zinsfuß 2,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	30	93.549	34.756,056	733.419,646	21,102	20,640
1							51	31	93.055	33.894,613	698.663,590	20,613	20,151
2							52	32	92.540	33.046,046	664.768,977	20,116	19,655
3							53	33	91.964	32.196,622	631.722,930	19,621	19,159
4							54	34	91.350	31.354,375	599.526,308	19,121	18,659
5							55	35	90.687	30.516,547	568.171,933	18,618	18,157
6							56	36	89.962	29.679,031	537.655,386	18,116	17,654
7							57	37	89.207	28.852,896	507.976,355	17,606	17,144
8							58	38	88.381	28.025,194	479.123,458	17,096	16,635
9							59	39	87.477	27.194,799	451.098,265	16,588	16,126
10							60	40	86.489	26.360,212	423.903,465	16,081	15,620
11							61	41	85.441	25.530,161	397.543,254	15,572	15,110
12							62	42	84.331	24.704,490	372.013,092	15,059	14,597
13							63	43	83.101	23.866,976	347.308,602	14,552	14,090
14							64	44	81.794	23.030,926	323.441,626	14,044	13,582
15							65	45	80.391	22.192,063	300.410,700	13,537	13,075
16							66	46	78.858	21.341,990	278.218,637	13,036	12,575
17							67	47	77.210	20.486,298	256.876,646	12,539	12,077
18							68	48	75.409	19.616,171	236.390,349	12,051	11,589
19							69	49	73.471	18.737,104	216.774,178	11,569	11,108
20	0	99.059	66.663,641	2.228.880,312	33,435	32,973	70	50	71.406	17.853,583	198.037,074	11,092	10,631
21	1	98.608	65.058,857	2.162.216,670	33,235	32,773	71	51	69.195	16.961,382	180.183,491	10,623	10,162
22	2	98.495	63.710,356	2.097.157,813	32,917	32,455	72	52	66.830	16.060,425	163.222,110	10,163	9,701
23	3	98.401	62.401,700	2.033.447,458	32,586	32,125	73	53	64.282	15.145,267	147.161,684	9,717	9,255
24	4	98.311	61.122,298	1.971.045,758	32,248	31,786	74	54	61.594	14.227,352	132.016,418	9,279	8,817
25	5	98.227	59.872,608	1.909.923,460	31,900	31,438	75	55	58.774	13.309,738	117.789,066	8,850	8,388
26	6	98.143	58.648,032	1.850.050,852	31,545	31,083	76	56	55.844	12.398,319	104.479,328	8,427	7,965
27	7	98.063	57.451,655	1.791.402,820	31,181	30,719	77	57	52.845	11.502,474	92.081,010	8,005	7,544
28	8	97.985	56.279,970	1.733.951,164	30,809	30,348	78	58	49.730	10.612,104	80.578,535	7,593	7,131
29	9	97.903	55.130,592	1.677.671,195	30,431	29,969	79	59	46.486	9.725,409	69.966,431	7,194	6,733
30	10	97.828	54.008,094	1.622.540,603	30,043	29,581	80	60	43.170	8.854,523	60.241,022	6,803	6,342
31	11	97.748	52.905,980	1.568.532,509	29,648	29,186	81	61	39.741	7.991,520	51.386,500	6,430	5,969
32	12	97.662	51.822,788	1.515.626,529	29,246	28,785	82	62	36.273	7.151,079	43.394,979	6,068	5,607
33	13	97.574	50.760,720	1.463.803,741	28,837	28,376	83	63	32.662	6.312,819	36.243,900	5,741	5,280
34	14	97.479	49.716,940	1.413.043,021	28,422	27,960	84	64	29.134	5.520,598	29.931,081	5,422	4,960
35	15	97.374	48.689,870	1.363.326,082	28,000	27,539	85	65	25.732	4.780,343	24.410,483	5,106	4,645
36	16	97.255	47.676,693	1.314.636,211	27,574	27,112	86	66	22.556	4.108,171	19.630,140	4,778	4,317
37	17	97.125	46.679,204	1.266.959,519	27,142	26,680	87	67	19.391	3.462,454	15.521,969	4,483	4,021
38	18	96.986	45.698,579	1.220.280,315	26,703	26,241	88	68	16.311	2.855,467	12.059,514	4,223	3,762
39	19	96.825	44.727,925	1.174.581,736	26,261	25,799	89	69	13.456	2.309,440	9.204,048	3,985	3,524
40	20	96.649	43.771,184	1.129.853,811	25,813	25,351	90	70	10.896	1.833,376	6.894,607	3,761	3,299
41	21	96.452	42.825,490	1.086.082,627	25,361	24,899	91	71	8.657	1.428,113	5.061,231	3,544	3,082
42	22	96.245	41.895,762	1.043.257,137	24,901	24,440	92	72	6.705	1.084,434	3.633,117	3,350	2,889
43	23	96.007	40.972,589	1.001.361,375	24,440	23,978	93	73	5.071	803,971	2.548,683	3,170	2,709
44	24	95.744	40.059,311	960.388,786	23,974	23,513	94	74	3.737	580,917	1.744,713	3,003	2,542
45	25	95.461	39.157,827	920.329,475	23,503	23,041	95	75	2.681	408,580	1.163,796	2,848	2,387
46	26	95.144	38.262,481	881.171,648	23,030	22,568	96	76	1.868	279,162	755,216	2,705	2,244
47	27	94.794	37.374,443	842.909,168	22,553	22,091	97	77	1.264	185,091	476,054	2,572	2,110
48	28	94.412	36.493,640	805.534,724	22,073	21,612	98	78	828	118,874	290,963	2,448	1,986
49	29	93.998	35.621,439	769.041,085	21,589	21,128	99	79	524	73,790	172,089	2,332	1,871
							100	80	320	44,195	98,299	2,224	1,763

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 21 Jahre

Zinsfuß 2,00%

Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	29	93.576	34.766,233	734.807,411	21,136	20,674
1							51	30	93.085	33.905,714	700.041,178	20,647	20,185
2							52	31	92.573	33.057,855	666.135,464	20,151	19,689
3							53	32	91.997	32.208,075	633.077,609	19,656	19,194
4							54	33	91.386	31.366,909	600.869,534	19,156	18,695
5							55	34	90.729	30.530,860	569.502,626	18,653	18,192
6							56	35	90.008	29.694,234	538.971,765	18,151	17,689
7							57	36	89.258	28.869,220	509.277,532	17,641	17,179
8							58	37	88.435	28.042,390	480.408,311	17,132	16,670
9							59	38	87.539	27.213,836	452.365,922	16,623	16,161
10							60	39	86.558	26.381,324	425.152,086	16,116	15,654
11							61	40	85.515	25.552,392	398.770,762	15,606	15,144
12							62	41	84.414	24.728,935	373.218,370	15,092	14,631
13							63	42	83.195	23.893,849	348.489,436	14,585	14,123
14							64	43	81.900	23.060,859	324.595,587	14,076	13,614
15							65	44	80.503	22.222,997	301.534,727	13,569	13,107
16							66	45	78.983	21.375,893	279.311,730	13,067	12,605
17							67	46	77.349	20.523,157	257.935,837	12,568	12,106
18							68	47	75.556	19.654,392	237.412,680	12,079	11,618
19							69	48	73.627	18.776,909	217.758,289	11,597	11,136
20							70	49	71.579	17.896,655	198.981,380	11,118	10,657
21	0	98.983	65.306,823	2.164.107,096	33,138	32,676	71	50	69.370	17.004,345	181.084,724	10,649	10,188
22	1	98.530	63.733,181	2.098.800,273	32,931	32,469	72	51	67.016	16.105,153	164.080,379	10,188	9,726
23	2	98.421	62.414,040	2.035.067,092	32,606	32,144	73	52	64.477	15.191,193	147.975,226	9,741	9,279
24	3	98.328	61.132,791	1.972.653,052	32,268	31,807	74	53	61.789	14.272,418	132.784,033	9,304	8,842
25	4	98.240	59.880,342	1.911.520,261	31,922	31,461	75	54	58.979	13.356,194	118.511,615	8,873	8,412
26	5	98.156	58.655,700	1.851.639,919	31,568	31,106	76	55	56.056	12.445,448	105.155,422	8,449	7,988
27	6	98.072	57.456,950	1.792.984,219	31,206	30,744	77	56	53.058	11.548,840	92.709,974	8,028	7,566
28	7	97.993	56.284,872	1.735.527,270	30,835	30,373	78	57	49.953	10.659,680	81.161,134	7,614	7,152
29	8	97.913	55.135,884	1.679.242,398	30,456	29,995	79	58	46.711	9.772,469	70.501,455	7,214	6,753
30	9	97.835	54.011,584	1.624.106,514	30,070	29,608	80	59	43.390	8.899,767	60.728,985	6,824	6,362
31	10	97.757	52.910,429	1.570.094,930	29,675	29,213	81	60	39.961	8.035,751	51.829,218	6,450	5,988
32	11	97.671	51.827,648	1.517.184,500	29,274	28,812	82	61	36.478	7.191,548	43.793,467	6,090	5,628
33	12	97.582	50.765,031	1.465.356,852	28,865	28,404	83	62	32.868	6.352,797	36.601,919	5,762	5,300
34	13	97.488	49.721,757	1.414.591,821	28,450	27,989	84	63	29.334	5.558,405	30.249,122	5,442	4,980
35	14	97.386	48.695,545	1.364.870,064	28,029	27,567	85	64	25.922	4.815,559	24.690,717	5,127	4,666
36	15	97.272	47.685,212	1.316.174,519	27,601	27,140	86	65	22.742	4.142,000	19.875,158	4,798	4,337
37	16	97.145	46.689,091	1.268.489,307	27,169	26,707	87	66	19.568	3.494,099	15.733,158	4,503	4,041
38	17	97.007	45.708,636	1.221.800,215	26,730	26,269	88	67	16.479	2.884,791	12.239,059	4,243	3,781
39	18	96.852	44.740,792	1.176.091,579	26,287	25,825	89	68	13.612	2.336,160	9.354,268	4,004	3,543
40	19	96.675	43.783,321	1.131.350,787	25,840	25,378	90	69	11.037	1.857,069	7.018,108	3,779	3,318
41	20	96.482	42.839,021	1.087.567,466	25,387	24,926	91	70	8.782	1.448,704	5.161,038	3,563	3,101
42	21	96.268	41.906,015	1.044.728,445	24,930	24,469	92	71	6.816	1.102,305	3.712,334	3,368	2,906
43	22	96.033	40.983,685	1.002.822,430	24,469	24,007	93	72	5.164	818,732	2.610,029	3,188	2,726
44	23	95.769	40.069,765	961.838,745	24,004	23,542	94	73	3.815	592,998	1.791,297	3,021	2,559
45	24	95.487	39.168,468	921.768,980	23,533	23,072	95	74	2.743	418,097	1.198,300	2,866	2,404
46	25	95.167	38.271,898	882.600,512	23,061	22,600	96	75	1.918	286,592	780,203	2,722	2,261
47	26	94.821	37.384,910	844.328,614	22,585	22,123	97	76	1.301	190,609	493,611	2,590	2,128
48	27	94.439	36.504,278	806.943,704	22,105	21,644	98	77	856	122,871	303,001	2,466	2,004
49	28	94.026	35.632,015	770.439,426	21,622	21,161	99	78	544	76,630	180,130	2,351	1,889
							100	79	334	46,136	103,500	2,243	1,782

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 22 Jahre

Zinsfuß 2,00%

Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	28	93.604	34.776,555	736.079,432	21,166	20,704
1							51	29	93.113	33.915,642	701.302,876	20,678	20,216
2							52	30	92.603	33.068,682	667.387,235	20,182	19,720
3							53	31	92.030	32.219,584	634.318,552	19,687	19,226
4							54	32	91.419	31.378,066	602.098,969	19,189	18,727
5							55	33	90.766	30.543,065	570.720,903	18,686	18,224
6							56	34	90.050	29.708,161	540.177,838	18,183	17,721
7							57	35	89.303	28.884,008	510.469,677	17,673	17,211
8							58	36	88.485	28.058,256	481.585,669	17,164	16,702
9							59	37	87.592	27.230,534	453.527,413	16,655	16,193
10							60	38	86.619	26.399,791	426.296,879	16,148	15,686
11							61	39	85.583	25.572,857	399.897,089	15,638	15,176
12							62	40	84.488	24.750,467	374.324,232	15,124	14,662
13							63	41	83.277	23.917,491	349.573,765	14,616	14,154
14							64	42	81.993	23.086,824	325.656,274	14,106	13,644
15							65	43	80.608	22.251,881	302.569,449	13,597	13,136
16							66	44	79.093	21.405,690	280.317,568	13,095	12,634
17							67	45	77.472	20.555,758	258.911,879	12,596	12,134
18							68	46	75.692	19.689,754	238.356,120	12,106	11,644
19							69	47	73.770	18.813,495	218.666,366	11,623	11,161
20							70	48	71.731	17.934,676	199.852,871	11,143	10,682
21							71	49	69.537	17.045,369	181.918,196	10,673	10,211
22	0	98.906	63.976,095	2.100.554,139	32,833	32,372	72	50	67.186	16.145,948	164.872,827	10,211	9,750
23	1	98.456	62.436,401	2.036.578,044	32,618	32,157	73	51	64.657	15.233,500	148.726,879	9,763	9,302
24	2	98.348	61.144,880	1.974.141,643	32,286	31,825	74	52	61.976	14.315,697	133.493,379	9,325	8,863
25	3	98.257	59.890,622	1.912.996,763	31,942	31,480	75	53	59.166	13.398,500	119.177,682	8,895	8,433
26	4	98.168	58.663,276	1.853.106,141	31,589	31,127	76	54	56.252	12.488,887	105.779,182	8,470	8,008
27	5	98.085	57.464,462	1.794.442,865	31,227	30,765	77	55	53.260	11.592,740	93.290,295	8,047	7,586
28	6	98.002	56.290,058	1.736.978,403	30,858	30,396	78	56	50.154	10.702,648	81.697,555	7,633	7,172
29	7	97.921	55.140,686	1.680.688,344	30,480	30,018	79	57	46.920	9.816,280	70.994,908	7,232	6,771
30	8	97.844	54.016,769	1.625.547,658	30,093	29,632	80	58	43.600	8.942,832	61.178,627	6,841	6,379
31	9	97.763	52.913,848	1.571.530,889	29,700	29,238	81	59	40.166	8.076,812	52.235,795	6,467	6,006
32	10	97.680	51.832,007	1.518.617,040	29,299	28,837	82	60	36.680	7.231,352	44.158,983	6,107	5,645
33	11	97.591	50.769,792	1.466.785,033	28,891	28,429	83	61	33.054	6.388,749	36.927,631	5,780	5,318
34	12	97.497	49.725,980	1.416.015,241	28,476	28,015	84	62	29.519	5.593,605	30.538,883	5,460	4,998
35	13	97.395	48.700,263	1.366.289,261	28,055	27,593	85	63	26.099	4.848,537	24.945,278	5,145	4,683
36	14	97.284	47.690,770	1.317.588,998	27,628	27,166	86	64	22.909	4.172,513	20.096,740	4,816	4,355
37	15	97.163	46.697,435	1.269.898,228	27,194	26,733	87	65	19.729	3.522,872	15.924,227	4,520	4,059
38	16	97.028	45.718,318	1.223.200,793	26,755	26,294	88	66	16.630	2.911,156	12.401,355	4,260	3,798
39	17	96.874	44.750,638	1.177.482,475	26,312	25,850	89	67	13.752	2.360,151	9.490,200	4,021	3,559
40	18	96.703	43.795,916	1.132.731,837	25,864	25,402	90	68	11.165	1.878,555	7.130,048	3,795	3,334
41	19	96.509	42.850,900	1.088.935,921	25,412	24,951	91	69	8.896	1.467,426	5.251,493	3,579	3,117
42	20	96.299	41.919,255	1.046.085,021	24,955	24,493	92	70	6.914	1.118,199	3.784,067	3,384	2,922
43	21	96.056	40.993,715	1.004.165,766	24,496	24,034	93	71	5.249	832,224	2.665,868	3,203	2,742
44	22	95.795	40.080,616	963.172,051	24,031	23,569	94	72	3.885	603,885	1.833,644	3,036	2,575
45	23	95.512	39.178,690	923.091,434	23,561	23,099	95	73	2.800	426,791	1.229,759	2,881	2,420
46	24	95.193	38.282,299	883.912,744	23,089	22,628	96	74	1.963	293,268	802,968	2,738	2,276
47	25	94.844	37.394,111	845.630,445	22,614	22,152	97	75	1.336	195,683	509,700	2,605	2,143
48	26	94.466	36.514,501	808.236,334	22,135	21,673	98	76	881	126,534	314,017	2,482	2,020
49	27	94.054	35.642,402	771.721,834	21,652	21,190	99	77	563	79,207	187,483	2,367	1,905
							100	78	347	47,912	108,276	2,260	1,798

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 23 Jahre

Zinsfuß 2,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	27	93.631	34.786,693	737.246,040	21,193	20,732
1							51	28	93.140	33.925,712	702.459,347	20,706	20,244
2							52	29	92.630	33.078,364	668.533,635	20,211	19,749
3							53	30	92.060	32.230,136	635.455,271	19,716	19,255
4							54	31	91.451	31.389,279	603.225,135	19,218	18,756
5							55	32	90.798	30.553,929	571.835,856	18,716	18,254
6							56	33	90.086	29.720,037	541.281,927	18,213	17,751
7							57	34	89.345	28.897,555	511.561,890	17,703	17,241
8							58	35	88.531	28.072,628	482.664,335	17,193	16,732
9							59	36	87.642	27.245,940	454.591,707	16,685	16,223
10							60	37	86.672	26.415,989	427.345,767	16,178	15,716
11							61	38	85.643	25.590,758	400.929,777	15,667	15,205
12							62	39	84.555	24.770,290	375.339,020	15,153	14,691
13							63	40	83.350	23.938,317	350.568,730	14,645	14,183
14							64	41	82.074	23.109,668	326.630,413	14,134	13,672
15							65	42	80.699	22.276,935	303.520,745	13,625	13,163
16							66	43	79.196	21.433,511	281.243,810	13,122	12,660
17							67	44	77.580	20.584,412	259.810,299	12,622	12,160
18							68	45	75.813	19.721,032	239.225,887	12,130	11,669
19							69	46	73.903	18.847,344	219.504,855	11,646	11,185
20							70	47	71.871	17.969,620	200.657,511	11,166	10,705
21							71	48	69.685	17.081,581	182.687,890	10,695	10,233
22							72	49	67.348	16.184,901	165.606,310	10,232	9,771
23	0	98.831	62.674,372	2.038.206,305	32,521	32,059	73	50	64.820	15.272,087	149.421,409	9,784	9,322
24	1	98.383	61.166,787	1.975.531,933	32,297	31,836	74	51	62.149	14.355,566	134.149,323	9,345	8,883
25	2	98.276	59.902,466	1.914.365,147	31,958	31,496	75	52	59.345	13.439,129	119.793,757	8,914	8,452
26	3	98.185	58.673,347	1.854.462,681	31,607	31,145	76	53	56.430	12.528,446	106.354,627	8,489	8,027
27	4	98.098	57.471,884	1.795.789,334	31,246	30,785	77	54	53.446	11.633,203	93.826,181	8,065	7,604
28	5	98.015	56.297,418	1.738.317,450	30,877	30,416	78	55	50.345	10.743,331	82.192,978	7,651	7,189
29	6	97.930	55.145,768	1.682.020,032	30,501	30,040	79	56	47.109	9.855,849	71.449,647	7,249	6,788
30	7	97.852	54.021,474	1.626.874,264	30,115	29,654	80	57	43.796	8.982,924	61.593,799	6,857	6,395
31	8	97.772	52.918,928	1.572.852,790	29,722	29,260	81	58	40.360	8.115,895	52.610,875	6,482	6,021
32	9	97.686	51.835,356	1.519.933,862	29,322	28,861	82	59	36.868	7.268,302	44.494,979	6,122	5,660
33	10	97.599	50.774,062	1.468.098,505	28,914	28,453	83	60	33.237	6.424,108	37.226,677	5,795	5,333
34	11	97.506	49.730,644	1.417.324,443	28,500	28,038	84	61	29.686	5.625,261	30.802,569	5,476	5,014
35	12	97.403	48.704,400	1.367.593,799	28,079	27,618	85	62	26.264	4.879,242	25.177,308	5,160	4,698
36	13	97.293	47.695,391	1.318.889,400	27,652	27,191	86	63	23.066	4.201,088	20.298,066	4,832	4,370
37	14	97.174	46.702,877	1.271.194,009	27,219	26,757	87	64	19.875	3.548,824	16.096,978	4,536	4,074
38	15	97.045	45.726,488	1.224.491,132	26,779	26,317	88	65	16.766	2.935,128	12.548,154	4,275	3,814
39	16	96.894	44.760,117	1.178.764,644	26,335	25,874	89	66	13.877	2.381,722	9.613,026	4,036	3,575
40	17	96.724	43.805,554	1.134.004,527	25,887	25,426	90	67	11.279	1.897,847	7.231,305	3,810	3,349
41	18	96.537	42.863,227	1.090.198,973	25,434	24,973	91	68	8.998	1.484,404	5.333,458	3,593	3,131
42	19	96.325	41.930,879	1.047.335,746	24,978	24,516	92	69	7.003	1.132,649	3.849,054	3,398	2,937
43	20	96.086	41.006,667	1.005.404,867	24,518	24,056	93	70	5.324	844,223	2.716,405	3,218	2,756
44	21	95.818	40.090,425	964.398,200	24,056	23,594	94	71	3.949	613,837	1.872,181	3,050	2,588
45	22	95.538	39.189,300	924.307,774	23,586	23,124	95	72	2.852	434,627	1.258,344	2,895	2,434
46	23	95.218	38.292,289	885.118,474	23,115	22,653	96	73	2.004	299,366	823,717	2,752	2,290
47	24	94.870	37.404,273	846.826,185	22,640	22,178	97	74	1.367	200,241	524,351	2,619	2,157
48	25	94.489	36.523,488	809.421,912	22,162	21,700	98	75	905	129,902	324,110	2,495	2,033
49	26	94.080	35.652,383	772.898,424	21,679	21,217	99	76	579	81,568	194,208	2,381	1,919
							100	77	359	49,523	112,640	2,275	1,813

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 24 Jahre

Zinsfuß 2,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	26	93.658	34.796,435	738.316,393	21,218	20,757
1							51	27	93.167	33.935,602	703.519,958	20,731	20,269
2							52	28	92.658	33.088,186	669.584,357	20,236	19,775
3							53	29	92.087	32.239,573	636.496,171	19,743	19,281
4							54	30	91.481	31.399,559	604.256,598	19,244	18,783
5							55	31	90.830	30.564,847	572.857,038	18,742	18,281
6							56	32	90.118	29.730,608	542.292,191	18,240	17,779
7							57	33	89.381	28.909,107	512.561,583	17,730	17,268
8							58	34	88.572	28.085,795	483.652,476	17,221	16,759
9							59	35	87.687	27.259,896	455.566,682	16,712	16,250
10							60	36	86.721	26.430,935	428.306,785	16,205	15,743
11							61	37	85.696	25.606,460	401.875,850	15,694	15,233
12							62	38	84.615	24.787,629	376.269,390	15,180	14,718
13							63	39	83.417	23.957,489	351.481,761	14,671	14,209
14							64	40	82.145	23.129,791	327.524,272	14,160	13,699
15							65	41	80.779	22.298,977	304.394,481	13,651	13,189
16							66	42	79.285	21.457,644	282.095,504	13,147	12,685
17							67	43	77.681	20.611,166	260.637,860	12,645	12,184
18							68	44	75.918	19.748,522	240.026,695	12,154	11,693
19							69	45	74.020	18.877,284	220.278,173	11,669	11,207
20							70	46	72.000	18.001,951	201.400,889	11,188	10,726
21							71	47	69.821	17.114,863	183.398,937	10,716	10,254
22							72	48	67.491	16.219,284	166.284,074	10,252	9,791
23							73	49	64.977	15.308,931	150.064,790	9,802	9,341
24	0	98.758	61.399,918	1.977.044,563	32,199	31,738	74	50	62.306	14.391,929	134.755,859	9,363	8,902
25	1	98.312	59.923,927	1.915.644,645	31,968	31,506	75	51	59.510	13.476,557	120.363,930	8,931	8,470
26	2	98.204	58.684,950	1.855.720,718	31,622	31,160	76	52	56.601	12.566,437	106.887,373	8,506	8,044
27	3	98.115	57.481,751	1.797.035,768	31,263	30,801	77	53	53.615	11.670,052	94.320,936	8,082	7,621
28	4	98.028	56.304,690	1.739.554,017	30,895	30,434	78	54	50.520	10.780,829	82.650,884	7,666	7,205
29	5	97.943	55.152,978	1.683.249,327	30,520	30,058	79	55	47.288	9.893,313	71.870,055	7,265	6,803
30	6	97.861	54.026,452	1.628.096,350	30,135	29,674	80	56	43.972	9.019,133	61.976,742	6,872	6,410
31	7	97.781	52.923,537	1.574.069,898	29,742	29,281	81	57	40.541	8.152,280	52.957,608	6,496	6,034
32	8	97.695	51.840,333	1.521.146,360	29,343	28,881	82	58	37.046	7.303,473	44.805,329	6,135	5,673
33	9	97.606	50.777,343	1.469.306,028	28,936	28,475	83	59	33.407	6.456,934	37.501,856	5,808	5,346
34	10	97.514	49.734,826	1.418.528,684	28,522	28,060	84	60	29.851	5.656,395	31.044,922	5,488	5,027
35	11	97.413	48.708,967	1.368.793,858	28,101	27,640	85	61	26.413	4.906,855	25.388,527	5,174	4,712
36	12	97.301	47.699,442	1.320.084,891	27,675	27,213	86	62	23.212	4.227,693	20.481,672	4,845	4,383
37	13	97.183	46.707,402	1.272.385,449	27,242	26,780	87	63	20.011	3.573,127	16.253,980	4,549	4,087
38	14	97.057	45.731,817	1.225.678,047	26,801	26,340	88	64	16.890	2.956,750	12.680,852	4,289	3,827
39	15	96.912	44.768,116	1.179.946,230	26,357	25,895	89	65	13.992	2.401,334	9.724,102	4,049	3,588
40	16	96.745	43.814,833	1.135.178,114	25,909	25,447	90	66	11.382	1.915,192	7.322,768	3,824	3,362
41	17	96.558	42.872,660	1.091.363,281	25,456	24,994	91	67	9.091	1.499,648	5.407,576	3,606	3,144
42	18	96.353	41.942,941	1.048.490,621	24,998	24,536	92	68	7.084	1.145,754	3.907,928	3,411	2,949
43	19	96.113	41.018,038	1.006.547,680	24,539	24,078	93	69	5.393	855,133	2.762,174	3,230	2,768
44	20	95.849	40.103,092	965.529,642	24,076	23,615	94	70	4.006	622,687	1.907,041	3,063	2,601
45	21	95.561	39.198,891	925.426,550	23,608	23,147	95	71	2.899	441,790	1.284,353	2,907	2,446
46	22	95.244	38.302,659	886.227,659	23,137	22,676	96	72	2.040	304,863	842,564	2,764	2,302
47	23	94.895	37.414,034	847.924,999	22,663	22,202	97	73	1.395	204,405	537,701	2,631	2,169
48	24	94.515	36.533,413	810.510,965	22,185	21,724	98	74	926	132,928	333,296	2,507	2,046
49	25	94.103	35.661,158	773.977,552	21,704	21,242	99	75	595	83,739	200,368	2,393	1,931
							100	76	369	50,999	116,629	2,287	1,825

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 25 Jahre

Zinsfuß 2,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	25	93.681	34.804,999	739.297,992	21,241	20,780
1							51	26	93.194	33.945,105	704.492,992	20,754	20,292
2							52	27	92.685	33.097,832	670.547,888	20,260	19,798
3							53	28	92.114	32.249,145	637.450,056	19,766	19,305
4							54	29	91.508	31.408,753	605.200,911	19,269	18,807
5							55	30	90.860	30.574,858	573.792,158	18,767	18,305
6							56	31	90.151	29.741,232	543.217,300	18,265	17,803
7							57	32	89.413	28.919,390	513.476,068	17,755	17,294
8							58	33	88.607	28.097,022	484.556,678	17,246	16,784
9							59	34	87.728	27.272,682	456.459,656	16,737	16,275
10							60	35	86.765	26.444,474	429.186,974	16,230	15,768
11							61	36	85.744	25.620,948	402.742,500	15,719	15,258
12							62	37	84.667	24.802,838	377.121,553	15,205	14,743
13							63	38	83.475	23.974,260	352.318,714	14,696	14,234
14							64	39	82.211	23.148,315	328.344,455	14,184	13,723
15							65	40	80.849	22.318,394	305.196,139	13,675	13,213
16							66	41	79.364	21.478,875	282.877,746	13,170	12,708
17							67	42	77.768	20.634,373	261.398,870	12,668	12,207
18							68	43	76.017	19.774,189	240.764,498	12,176	11,714
19							69	44	74.124	18.903,598	220.990,309	11,690	11,229
20							70	45	72.114	18.030,548	202.086,711	11,208	10,746
21							71	46	69.947	17.145,656	184.056,162	10,735	10,273
22							72	47	67.622	16.250,887	166.910,506	10,271	9,809
23							73	48	65.115	15.341,454	150.659,620	9,820	9,359
24							74	49	62.457	14.426,650	135.318,166	9,380	8,918
25	0	98.686	60.152,321	1.917.050,728	31,870	31,408	75	50	59.661	13.510,694	120.891,516	8,948	8,486
26	1	98.240	58.705,975	1.856.898,407	31,630	31,169	76	51	56.759	12.601,434	107.380,822	8,521	8,060
27	2	98.134	57.493,118	1.798.192,432	31,277	30,815	77	52	53.778	11.705,440	94.779,388	8,097	7,635
28	3	98.045	56.314,356	1.740.699,314	30,910	30,449	78	53	50.680	10.814,978	83.073,949	7,681	7,220
29	4	97.956	55.160,102	1.684.384,958	30,536	30,075	79	54	47.454	9.927,845	72.258,970	7,278	6,817
30	5	97.874	54.033,516	1.629.224,856	30,152	29,691	80	55	44.139	9.053,417	62.331,126	6,885	6,423
31	6	97.790	52.928,414	1.575.191,340	29,761	29,299	81	56	40.704	8.185,141	53.277,708	6,509	6,047
32	7	97.704	51.844,848	1.522.262,926	29,362	28,900	82	57	37.212	7.336,215	45.092,568	6,147	5,685
33	8	97.615	50.782,218	1.470.418,078	28,955	28,494	83	58	33.569	6.488,179	37.756,353	5,819	5,358
34	9	97.520	49.738,040	1.419.635,860	28,542	28,081	84	59	30.003	5.685,298	31.268,174	5,500	5,038
35	10	97.421	48.713,064	1.369.897,820	28,122	27,660	85	60	26.559	4.934,013	25.582,876	5,185	4,723
36	11	97.311	47.703,915	1.321.184,756	27,696	27,234	86	61	23.344	4.251,618	20.648,864	4,857	4,395
37	12	97.192	46.711,369	1.273.480,841	27,263	26,801	87	62	20.137	3.595,755	16.397,246	4,560	4,099
38	13	97.066	45.736,248	1.226.769,471	26,823	26,361	88	63	17.006	2.976,999	12.801,490	4,300	3,839
39	14	96.923	44.773,333	1.181.033,223	26,378	25,916	89	64	14.095	2.419,024	9.824,491	4,061	3,600
40	15	96.762	43.822,663	1.136.259,890	25,929	25,467	90	65	11.476	1.930,963	7.405,467	3,835	3,374
41	16	96.578	42.881,741	1.092.437,227	25,476	25,014	91	66	9.174	1.513,354	5.474,504	3,617	3,156
42	17	96.374	41.952,172	1.049.555,486	25,018	24,556	92	67	7.157	1.157,520	3.961,150	3,422	2,960
43	18	96.141	41.029,838	1.007.603,315	24,558	24,096	93	68	5.456	865,027	2.803,630	3,241	2,779
44	19	95.875	40.114,212	966.573,477	24,096	23,634	94	69	4.058	630,735	1.938,603	3,074	2,612
45	20	95.591	39.211,276	926.459,265	23,627	23,166	95	70	2.941	448,160	1.307,869	2,918	2,457
46	21	95.267	38.312,033	887.247,988	23,158	22,697	96	71	2.074	309,887	859,709	2,774	2,313
47	22	94.921	37.424,167	848.935,955	22,684	22,223	97	72	1.421	208,158	549,822	2,641	2,180
48	23	94.539	36.542,947	811.511,788	22,207	21,745	98	73	945	135,692	341,665	2,518	2,056
49	24	94.129	35.670,849	774.968,841	21,726	21,264	99	74	609	85,690	205,973	2,404	1,942
							100	75	379	52,357	120,283	2,297	1,836

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 0 Jahre

Zinsfuß 2,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	0	100.000	100.000,000	3.549.582,283	35,496	35,034	50	50	91.638	30.123,773	563.388,777	18,702	18,240
1	1	99.166	96.983,676	3.449.582,283	35,569	35,107	51	51	90.953	29.240,846	533.265,004	18,237	17,775
2	2	99.090	94.777,286	3.352.598,608	35,373	34,911	52	52	90.231	28.370,236	504.024,158	17,766	17,304
3	3	99.051	92.654,738	3.257.821,321	35,161	34,699	53	53	89.431	27.499,837	475.653,922	17,297	16,835
4	4	99.016	90.583,799	3.165.166,583	34,942	34,480	54	54	88.588	26.641,269	448.154,085	16,822	16,360
5	5	98.990	88.567,192	3.074.582,784	34,715	34,253	55	55	87.680	25.788,106	421.512,816	16,345	15,883
6	6	98.963	86.595,098	2.986.015,592	34,483	34,020	56	56	86.694	24.937,062	395.724,710	15,869	15,407
7	7	98.942	84.671,909	2.899.420,494	34,243	33,781	57	57	85.670	24.100,186	370.787,648	15,385	14,923
8	8	98.922	82.791,277	2.814.748,585	33,998	33,536	58	58	84.550	23.261,635	346.687,462	14,904	14,442
9	9	98.900	80.952,065	2.731.957,308	33,748	33,286	59	59	83.341	22.424,449	323.425,827	14,423	13,961
10	10	98.885	79.158,199	2.651.005,243	33,490	33,028	60	60	82.046	21.590,160	301.001,378	13,942	13,480
11	11	98.867	77.402,548	2.571.847,044	33,227	32,765	61	61	80.675	20.762,436	279.411,218	13,458	12,996
12	12	98.844	75.681,279	2.494.444,496	32,960	32,498	62	62	79.258	19.948,772	258.648,782	12,966	12,504
13	13	98.822	73.999,970	2.418.763,217	32,686	32,224	63	63	77.698	19.125,890	238.700,010	12,480	12,018
14	14	98.800	72.355,214	2.344.763,247	32,406	31,944	64	64	76.054	18.309,332	219.574,120	11,992	11,530
15	15	98.770	70.741,746	2.272.408,033	32,123	31,661	65	65	74.307	17.494,962	201.264,789	11,504	11,042
16	16	98.729	69.156,403	2.201.666,287	31,836	31,374	66	66	72.409	16.673,042	183.769,827	11,022	10,560
17	17	98.670	67.594,401	2.132.509,884	31,549	31,087	67	67	70.380	15.849,289	167.096,785	10,543	10,081
18	18	98.599	66.058,950	2.064.915,482	31,259	30,797	68	68	68.173	15.014,317	151.247,496	10,074	9,612
19	19	98.496	64.537,761	1.998.856,532	30,972	30,510	69	69	65.800	14.172,825	136.233,179	9,612	9,150
20	20	98.389	63.049,296	1.934.318,772	30,679	30,217	70	70	63.288	13.331,721	122.060,355	9,156	8,694
21	21	98.283	61.595,563	1.871.269,475	30,380	29,918	71	71	60.609	12.486,493	108.728,633	8,708	8,246
22	22	98.182	60.178,198	1.809.673,912	30,072	29,610	72	72	57.749	11.635,428	96.242,141	8,271	7,809
23	23	98.081	58.793,688	1.749.495,714	29,757	29,295	73	73	54.711	10.780,841	84.606,713	7,848	7,386
24	24	97.983	57.442,329	1.690.702,027	29,433	28,971	74	74	51.518	9.928,215	73.825,872	7,436	6,974
25	25	97.886	56.122,303	1.633.259,698	29,102	28,640	75	75	48.208	9.085,883	63.897,657	7,033	6,571
26	26	97.790	54.833,694	1.577.137,395	28,762	28,306	76	76	44.787	8.255,365	54.811,775	6,640	6,178
27	27	97.693	53.573,730	1.522.303,701	28,415	27,953	77	77	41.321	7.448,881	46.556,410	6,250	5,788
28	28	97.594	52.342,117	1.468.729,971	28,060	27,598	78	78	37.788	6.662,192	39.107,529	5,870	5,408
29	29	97.494	51.137,524	1.416.387,854	27,698	27,236	79	79	34.179	5.893,253	32.445,337	5,506	5,043
30	30	97.396	49.962,444	1.365.250,330	27,326	26,864	80	80	30.561	5.153,452	26.552,084	5,152	4,690
31	31	97.293	48.811,342	1.315.287,886	26,946	26,484	81	81	26.911	4.438,205	21.398,632	4,821	4,359
32	32	97.182	47.682,518	1.266.476,544	26,561	26,099	82	82	23.325	3.762,071	16.960,427	4,508	4,046
33	33	97.068	46.578,497	1.218.794,026	26,166	25,704	83	83	19.770	3.118,483	13.198,356	4,232	3,770
34	34	96.944	45.495,396	1.172.215,529	25,766	25,304	84	84	16.483	2.542,817	10.079,873	3,964	3,502
35	35	96.806	44.430,939	1.126.720,133	25,359	24,897	85	85	13.487	2.034,837	7.537,056	3,704	3,242
36	36	96.655	43.385,545	1.082.289,194	24,946	24,484	86	86	10.885	1.606,097	5.502,219	3,426	2,964
37	37	96.491	42.358,987	1.038.903,649	24,526	24,064	87	87	8.491	1.225,306	3.896,121	3,180	2,718
38	38	96.316	41.351,459	996.544,663	24,099	23,637	88	88	6.365	898,340	2.670,815	2,973	2,511
39	39	96.116	40.357,548	955.193,203	23,668	23,206	89	89	4.613	636,736	1.772,476	2,784	2,322
40	40	95.891	39.377,114	914.835,655	23,233	22,771	90	90	3.223	435,053	1.135,740	2,611	2,149
41	41	95.642	38.410,856	875.458,541	22,792	22,330	91	91	2.173	286,875	700,687	2,442	1,980
42	42	95.366	37.457,204	837.047,685	22,347	21,885	92	92	1.390	179,492	413,811	2,305	1,843
43	43	95.049	36.511,058	799.590,480	21,900	21,438	93	93	851	107,418	234,319	2,181	1,719
44	44	94.691	35.573,006	763.079,422	21,451	20,989	94	94	497	61,333	126,901	2,069	1,607
45	45	94.305	34.648,591	727.506,416	20,997	20,535	95	95	276	33,328	65,569	1,967	1,505
46	46	93.866	33.728,305	692.857,825	20,542	20,080	96	96	146	17,192	32,241	1,875	1,413
47	47	93.379	32.815,112	659.129,520	20,086	19,624	97	97	73	8,398	15,049	1,792	1,330
48	48	92.848	31.910,559	626.314,408	19,627	19,165	98	98	34	3,875	6,651	1,716	1,254
49	49	92.273	31.015,073	594.403,850	19,165	18,703	99	99	15	1,684	2,776	1,648	1,186
							100	100	6	0,688	1,091	1,586	1,124

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -1 Jahr

Zinsfuß 2,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	1	99.620	99.620,306	3.541.321,076	35,548	35,086	50	51	91.406	30.047,661	556.659,004	18,526	18,064
1	2	99.130	96.948,942	3.441.700,769	35,500	35,038	51	52	90.701	29.159,637	526.611,344	18,060	17,598
2	3	99.071	94.758,548	3.344.751,828	35,298	34,836	52	53	89.958	28.284,467	497.451,707	17,587	17,125
3	4	99.034	92.638,834	3.249.993,280	35,082	34,620	53	54	89.148	27.413,005	469.167,239	17,115	16,653
4	5	99.003	90.572,100	3.157.354,446	34,860	34,398	54	55	88.280	26.548,604	441.754,234	16,639	16,177
5	6	98.977	88.555,614	3.066.782,346	34,631	34,169	55	56	87.348	25.690,450	415.205,630	16,162	15,700
6	7	98.954	86.587,119	2.978.226,731	34,396	33,934	56	57	86.346	24.836,947	389.515,180	15,683	15,221
7	8	98.934	84.664,535	2.891.639,613	34,154	33,692	57	58	85.288	23.992,625	364.678,233	15,200	14,738
8	9	98.912	82.783,330	2.806.975,078	33,907	33,445	58	59	84.143	23.149,615	340.685,608	14,717	14,255
9	10	98.894	80.946,834	2.724.191,748	33,654	33,192	59	60	82.917	22.310,447	317.535,993	14,233	13,771
10	11	98.876	79.151,543	2.643.244,914	33,395	32,933	60	61	81.594	21.471,322	295.225,545	13,750	13,288
11	12	98.858	77.395,289	2.564.093,371	33,130	32,668	61	62	80.221	20.645,598	273.754,223	13,260	12,798
12	13	98.835	75.674,852	2.486.698,082	32,860	32,398	62	63	78.759	19.823,237	253.108,624	12,768	12,306
13	14	98.813	73.992,800	2.411.023,231	32,585	32,123	63	64	77.170	18.995,798	233.285,388	12,281	11,819
14	15	98.788	72.346,783	2.337.030,431	32,303	31,841	64	65	75.498	18.175,439	214.289,589	11,790	11,328
15	16	98.752	70.729,107	2.264.683,648	32,019	31,557	65	66	73.700	17.352,074	196.114,150	11,302	10,840
16	17	98.708	69.141,758	2.193.954,542	31,731	31,269	66	67	71.753	16.522,041	178.762,077	10,820	10,358
17	18	98.649	67.579,529	2.124.812,784	31,442	30,980	67	68	69.665	15.688,181	162.240,036	10,342	9,880
18	19	98.570	66.039,952	2.057.233,254	31,151	30,689	68	69	67.393	14.842,590	146.551,855	9,874	9,412
19	20	98.468	64.519,870	1.991.193,303	30,862	30,400	69	70	64.960	13.992,005	131.709,265	9,413	8,951
20	21	98.358	63.029,382	1.926.673,432	30,568	30,106	70	71	62.388	13.142,231	117.717,260	8,957	8,495
21	22	98.259	61.580,492	1.863.644,050	30,264	29,802	71	72	59.626	12.284,058	104.575,030	8,513	8,051
22	23	98.155	60.161,905	1.802.063,558	29,954	29,492	72	73	56.707	11.425,651	92.290,971	8,078	7,616
23	24	98.056	58.778,348	1.741.901,653	29,635	29,173	73	74	53.596	10.561,210	80.865,320	7,657	7,195
24	25	97.957	57.426,723	1.683.123,305	29,309	28,847	74	75	50.345	9.702,231	70.304,110	7,246	6,784
25	26	97.861	56.108,493	1.625.696,582	28,974	28,512	75	76	46.958	8.850,308	60.601,879	6,847	6,385
26	27	97.762	54.818,343	1.569.588,088	28,633	28,171	76	77	43.490	8.016,386	51.751,570	6,456	5,994
27	28	97.664	53.558,116	1.514.769,746	28,283	27,821	77	78	39.976	7.206,550	43.735,185	6,069	5,607
28	29	97.565	52.326,581	1.461.211,629	27,925	27,463	78	79	36.388	6.415,277	36.528,634	5,694	5,232
29	30	97.465	51.122,556	1.408.885,049	27,559	27,097	79	80	32.741	5.645,346	30.113,357	5,334	4,872
30	31	97.365	49.946,086	1.357.762,492	27,185	26,723	80	81	29.072	4.902,405	24.468,011	4,991	4,529
31	32	97.259	48.793,906	1.307.816,407	26,803	26,341	81	82	25.411	4.190,802	19.565,606	4,669	4,207
32	33	97.147	47.665,563	1.259.022,501	26,414	25,952	82	83	21.818	3.518,951	15.374,804	4,369	3,907
33	34	97.029	46.559,885	1.211.356,938	26,017	25,555	83	84	18.353	2.895,019	11.855,854	4,095	3,633
34	35	96.898	45.474,067	1.164.797,052	25,615	25,153	84	85	15.158	2.338,473	8.960,835	3,832	3,370
35	36	96.756	44.408,192	1.119.322,986	25,205	24,743	85	86	12.316	1.858,163	6.622,362	3,564	3,102
36	37	96.600	43.361,012	1.074.914,793	24,790	24,328	86	87	9.787	1.444,179	4.764,199	3,299	2,837
37	38	96.432	42.333,012	1.031.553,781	24,368	23,906	87	88	7.490	1.080,870	3.320,019	3,072	2,610
38	39	96.248	41.322,534	989.220,770	23,939	23,477	88	89	5.528	780,184	2.239,149	2,870	2,408
39	40	96.039	40.325,251	947.898,236	23,506	23,044	89	90	3.929	542,356	1.458,966	2,690	2,228
40	41	95.807	39.342,857	907.572,985	23,068	22,606	90	91	2.696	363,939	916,610	2,519	2,057
41	42	95.548	38.372,888	868.230,128	22,626	22,164	91	92	1.766	233,115	552,671	2,371	1,909
42	43	95.259	37.415,077	829.857,240	22,180	21,718	92	93	1.105	142,626	319,556	2,241	1,778
43	44	94.926	36.463,666	792.442,163	21,732	21,270	93	94	660	83,357	176,930	2,123	1,661
44	45	94.559	35.523,488	755.978,497	21,281	20,819	94	95	376	46,420	93,573	2,016	1,554
45	46	94.155	34.593,638	720.455,009	20,826	20,364	95	96	203	24,570	47,153	1,919	1,457
46	47	93.697	33.667,729	685.861,371	20,371	19,909	96	97	104	12,330	22,583	1,832	1,370
47	48	93.198	32.751,298	652.193,642	19,914	19,452	97	98	51	5,851	10,253	1,752	1,290
48	49	92.651	31.842,910	619.442,343	19,453	18,991	98	99	23	2,619	4,402	1,680	1,218
49	50	92.051	30.940,429	587.599,433	18,991	18,529	99	100	10	1,103	1,782	1,615	1,153
							100	101	4	0,436	0,679	1,556	1,094

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -2 Jahre

Zinsfuß 2,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	2	99.585	99.584,628	3.532.851,721	35,476	35,014	50	52	91.153	29.964,211	549.447,629	18,337	17,875
1	3	99.111	96.929,774	3.433.267,093	35,420	34,958	51	53	90.427	29.071,481	519.483,418	17,869	17,407
2	4	99.054	94.742,283	3.336.337,319	35,215	34,753	52	54	89.674	28.195,158	490.411,936	17,393	16,931
3	5	99.021	92.626,870	3.241.595,037	34,996	34,534	53	55	88.838	27.317,656	462.216,778	16,920	16,458
4	6	98.990	90.560,260	3.148.968,167	34,772	34,310	54	56	87.945	26.448,069	434.899,123	16,444	15,981
5	7	98.968	88.547,454	3.058.407,907	34,540	34,078	55	57	86.998	25.587,310	408.451,054	15,963	15,501
6	8	98.945	86.579,578	2.969.860,452	34,302	33,840	56	58	85.961	24.726,098	382.863,744	15,484	15,022
7	9	98.924	84.656,408	2.883.280,875	34,059	33,597	57	59	84.877	23.877,085	358.137,647	14,999	14,537
8	10	98.906	82.777,980	2.798.624,467	33,809	33,347	58	60	83.715	23.031,928	334.260,561	14,513	14,051
9	11	98.886	80.940,027	2.715.846,487	33,554	33,092	59	61	82.461	22.187,645	311.228,633	14,027	13,565
10	12	98.867	79.144,120	2.634.906,460	33,293	32,830	60	62	81.135	21.350,496	289.040,988	13,538	13,076
11	13	98.849	77.388,716	2.555.762,340	33,025	32,563	61	63	79.716	20.515,678	267.690,493	13,048	12,586
12	14	98.826	75.667,519	2.478.373,623	32,753	32,291	62	64	78.223	19.688,402	247.174,815	12,554	12,092
13	15	98.801	73.984,178	2.402.706,104	32,476	32,014	63	65	76.605	18.856,886	227.486,412	12,064	11,602
14	16	98.771	72.333,856	2.328.721,926	32,194	31,732	64	66	74.882	18.026,993	208.629,527	11,573	11,111
15	17	98.732	70.714,128	2.256.388,870	31,909	31,447	65	67	73.032	17.194,923	190.602,534	11,085	10,623
16	18	98.687	69.126,545	2.185.673,942	31,618	31,156	66	68	71.024	16.354,094	173.407,610	10,603	10,141
17	19	98.620	67.560,094	2.116.547,396	31,328	30,866	67	69	68.868	15.508,746	157.053,516	10,127	9,665
18	20	98.543	66.021,645	2.048.987,302	31,035	30,573	68	70	66.533	14.653,225	141.544,770	9,660	9,198
19	21	98.437	64.499,491	1.982.965,657	30,744	30,282	69	71	64.037	13.793,129	126.891,544	9,200	8,738
20	22	98.334	63.013,960	1.918.466,166	30,445	29,983	70	72	61.377	12.929,165	113.098,415	8,748	8,286
21	23	98.233	61.563,820	1.855.452,205	30,139	29,677	71	73	58.551	12.062,587	100.169,250	8,304	7,842
22	24	98.130	60.146,209	1.793.888,386	29,825	29,363	72	74	55.552	11.192,884	88.106,663	7,872	7,410
23	25	98.029	58.762,379	1.733.742,177	29,504	29,042	73	75	52.376	10.320,819	76.913,779	7,452	6,990
24	26	97.932	57.412,592	1.674.979,797	29,174	28,712	74	76	49.040	9.450,677	66.592,960	7,046	6,584
25	27	97.834	56.092,785	1.617.567,205	28,837	28,375	75	77	45.598	8.594,106	57.142,283	6,649	6,187
26	28	97.734	54.802,367	1.561.474,420	28,493	28,028	76	78	42.075	7.755,593	48.548,177	6,260	5,798
27	29	97.635	53.542,219	1.506.672,053	28,140	27,678	77	79	38.495	6.939,460	40.792,584	5,878	5,416
28	30	97.537	52.311,264	1.453.129,834	27,779	27,317	78	80	34.857	6.145,411	33.853,124	5,509	5,047
29	31	97.433	51.105,818	1.400.818,570	27,410	26,948	79	81	31.146	5.370,337	27.707,713	5,159	4,697
30	32	97.330	49.928,245	1.349.712,752	27,033	26,571	80	82	27.451	4.629,126	22.337,376	4,825	4,363
31	33	97.224	48.776,556	1.299.784,508	26,648	26,186	81	83	23.769	3.919,975	17.708,251	4,517	4,055
32	34	97.109	47.646,517	1.251.007,951	26,256	25,794	82	84	20.254	3.266,790	13.788,275	4,221	3,759
33	35	96.983	46.538,057	1.203.361,434	25,858	25,396	83	85	16.878	2.662,371	10.521,486	3,952	3,490
34	36	96.849	45.450,786	1.156.823,377	25,452	24,990	84	86	13.842	2.135,436	7.859,115	3,680	3,218
35	37	96.702	44.383,081	1.111.372,591	25,040	24,578	85	87	11.074	1.670,834	5.723,679	3,426	2,964
36	38	96.541	43.334,422	1.066.989,510	24,622	24,160	86	88	8.634	1.273,943	4.052,845	3,181	2,719
37	39	96.365	42.303,399	1.023.655,088	24,198	23,736	87	89	6.505	938,706	2.778,903	2,960	2,498
38	40	96.171	41.289,465	981.351,689	23,768	23,306	88	90	4.709	664,541	1.840,196	2,769	2,307
39	41	95.955	40.290,169	940.062,224	23,332	22,870	89	91	3.287	453,701	1.175,655	2,591	2,129
40	42	95.713	39.303,967	899.772,055	22,893	22,431	90	92	2.191	295,737	721,954	2,441	1,979
41	43	95.440	38.329,731	860.468,088	22,449	21,987	91	93	1.403	185,235	426,217	2,301	1,839
42	44	95.135	37.366,512	822.138,357	22,002	21,540	92	94	857	110,679	240,982	2,177	1,715
43	45	94.793	36.412,908	784.771,846	21,552	21,090	93	95	500	63,090	130,302	2,065	1,603
44	46	94.409	35.467,148	748.358,937	21,100	20,638	94	96	277	34,222	67,213	1,964	1,502
45	47	93.986	34.531,509	712.891,790	20,645	20,183	95	97	146	17,621	32,991	1,872	1,410
46	48	93.515	33.602,257	678.360,281	20,188	19,726	96	98	73	8,591	15,370	1,789	1,327
47	49	93.000	32.681,868	644.758,024	19,728	19,266	97	99	34	3,956	6,779	1,714	1,252
48	50	92.428	31.766,273	612.076,156	19,268	18,806	98	100	15	1,716	2,824	1,646	1,184
49	51	91.818	30.862,254	580.309,883	18,803	18,341	99	101	6	0,700	1,108	1,584	1,122
							100	102	2	0,267	0,408	1,528	1,066

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -3 Jahre

Zinsfuß 2,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	3	99.565	99.564,939	3.523.806,085	35,392	34,930	50	53	90.877	29.873,623	541.739,769	18,134	17,672
1	4	99.094	96.913,136	3.424.241,146	35,333	34,871	51	54	90.141	28.979,687	511.866,145	17,663	17,201
2	5	99.041	94.730,046	3.327.328,011	35,124	34,662	52	55	89.362	28.097,088	482.886,459	17,186	16,724
3	6	99.008	92.614,761	3.232.597,964	34,904	34,442	53	56	88.502	27.214,208	454.789,370	16,711	16,249
4	7	98.981	90.551,915	3.139.983,203	34,676	34,214	54	57	87.592	26.341,887	427.575,162	16,232	15,770
5	8	98.959	88.539,743	3.049.431,288	34,441	33,979	55	58	86.609	25.473,111	401.233,275	15,751	15,289
6	9	98.936	86.571,267	2.960.891,545	34,202	33,740	56	59	85.547	24.607,026	375.760,164	15,270	14,808
7	10	98.918	84.650,937	2.874.320,278	33,955	33,493	57	60	84.446	23.755,700	351.153,138	14,782	14,320
8	11	98.897	82.771,019	2.789.669,341	33,703	33,241	58	61	83.254	22.905,154	327.397,439	14,294	13,832
9	12	98.876	80.932,437	2.706.898,321	33,446	32,984	59	62	81.997	22.062,787	304.492,284	13,801	13,339
10	13	98.859	79.137,399	2.625.965,885	33,182	32,720	60	63	80.624	21.216,139	282.429,497	13,312	12,850
11	14	98.840	77.381,218	2.546.828,486	32,913	32,451	61	64	79.174	20.376,134	261.213,358	12,820	12,358
12	15	98.814	75.658,702	2.469.447,268	32,639	32,177	62	65	77.651	19.544,425	240.837,224	12,323	11,861
13	16	98.783	73.970,959	2.393.788,566	32,361	31,899	63	66	75.980	18.702,874	221.292,800	11,832	11,370
14	17	98.750	72.318,538	2.319.817,607	32,078	31,616	64	67	74.204	17.863,370	202.589,925	11,341	10,879
15	18	98.710	70.698,569	2.247.499,069	31,790	31,328	65	68	72.290	17.020,137	184.726,195	10,853	10,391
16	19	98.658	69.106,665	2.176.800,499	31,499	31,037	66	69	70.212	16.167,043	167.706,058	10,373	9,911
17	20	98.593	67.541,366	2.107.693,834	31,206	30,744	67	70	67.990	15.310,883	151.539,015	9,897	9,435
18	21	98.512	66.000,792	2.040.152,468	30,911	30,449	68	71	65.588	14.444,951	136.228,132	9,431	8,969
19	22	98.413	64.483,710	1.974.151,677	30,615	30,153	69	72	62.999	13.569,511	121.783,181	8,975	8,513
20	23	98.307	62.996,900	1.909.667,966	30,314	29,852	70	73	60.270	12.696,064	108.213,669	8,523	8,061
21	24	98.207	61.547,757	1.846.671,066	30,004	29,542	71	74	57.358	11.816,844	95.517,605	8,083	7,621
22	25	98.103	60.129,868	1.785.123,309	29,688	29,226	72	75	54.288	10.938,115	83.700,761	7,652	7,190
23	26	98.005	58.747,920	1.724.993,440	29,363	28,901	73	76	51.018	10.053,226	72.762,647	7,238	6,776
24	27	97.905	57.396,519	1.666.245,521	29,030	28,568	74	77	47.620	9.177,095	62.709,421	6,833	6,371
25	28	97.806	56.076,438	1.608.849,002	28,690	28,228	75	78	44.115	8.314,519	53.532,326	6,438	5,976
26	29	97.705	54.786,100	1.552.772,564	28,342	27,880	76	79	40.516	7.468,154	45.217,808	6,055	5,593
27	30	97.607	53.526,547	1.497.986,463	27,986	27,524	77	80	36.875	6.647,544	37.749,654	5,679	5,217
28	31	97.505	52.294,137	1.444.459,916	27,622	27,160	78	81	33.159	5.846,041	31.102,110	5,320	4,858
29	32	97.398	51.087,562	1.392.165,780	27,251	26,789	79	82	29.410	5.070,973	25.256,069	4,981	4,519
30	33	97.295	49.910,491	1.341.078,217	26,870	26,408	80	83	25.677	4.329,972	20.185,095	4,662	4,200
31	34	97.185	48.757,066	1.291.167,726	26,482	26,020	81	84	22.066	3.639,078	15.855,123	4,357	3,895
32	35	97.063	47.624,179	1.242.410,660	26,088	25,626	82	85	18.626	3.004,266	12.216,045	4,066	3,604
33	36	96.934	46.514,231	1.194.786,481	25,686	25,224	83	86	15.413	2.431,212	9.211,779	3,789	3,327
34	37	96.794	45.425,086	1.148.272,249	25,278	24,816	84	87	12.447	1.920,153	6.780,568	3,531	3,069
35	38	96.642	44.355,865	1.102.847,164	24,864	24,402	85	88	9.769	1.473,880	4.860,415	3,298	2,836
36	39	96.474	43.304,109	1.058.491,299	24,443	23,981	86	89	7.498	1.106,385	3.386,535	3,061	2,599
37	40	96.288	42.269,545	1.015.187,190	24,017	23,555	87	90	5.541	799,567	2.280,150	2,852	2,390
38	41	96.088	41.253,544	972.917,644	23,584	23,122	88	91	3.939	555,914	1.480,583	2,663	2,201
39	42	95.860	40.250,343	931.664,101	23,147	22,685	89	92	2.671	368,678	924,669	2,508	2,046
40	43	95.605	39.259,763	891.413,758	22,706	22,244	90	93	1.741	234,995	555,992	2,366	1,904
41	44	95.316	38.279,978	852.153,995	22,261	21,799	91	94	1.089	143,744	320,997	2,233	1,771
42	45	95.003	37.314,497	813.874,017	21,811	21,349	92	95	649	83,769	177,252	2,116	1,654
43	46	94.643	36.355,157	776.559,520	21,360	20,898	93	96	368	46,511	93,483	2,010	1,548
44	47	94.239	35.403,450	740.204,363	20,908	20,446	94	97	199	24,543	46,972	1,914	1,452
45	48	93.804	34.464,357	704.800,913	20,450	19,988	95	98	102	12,277	22,429	1,827	1,365
46	49	93.317	33.531,023	670.336,556	19,992	19,530	96	99	49	5,807	10,152	1,748	1,286
47	50	92.776	32.603,211	636.805,534	19,532	19,070	97	100	22	2,591	4,345	1,677	1,215
48	51	92.195	31.686,012	604.202,322	19,068	18,606	98	101	10	1,088	1,754	1,612	1,150
49	52	91.563	30.776,542	572.516,311	18,602	18,140	99	102	4	0,429	0,666	1,553	1,091
							100	103	1	0,158	0,237	1,500	1,038

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -4 Jahre

Zinsfuß 2,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	4	99.548	99.547,849	3.514.145,137	35,301	34,839	50	54	90.590	29.779,296	533.522,058	17,916	17,454
1	5	99.081	96.900,619	3.414.597,288	35,238	34,776	51	55	89.828	28.878,889	503.742,762	17,443	16,981
2	6	99.028	94.717,663	3.317.696,669	35,027	34,565	52	56	89.024	27.990,689	474.863,873	16,965	16,503
3	7	98.999	92.606,227	3.222.979,006	34,803	34,341	53	57	88.146	27.104,950	446.873,185	16,487	16,025
4	8	98.972	90.544,029	3.130.372,779	34,573	34,111	54	58	87.201	26.224,321	419.768,234	16,007	15,545
5	9	98.949	88.531,244	3.039.828,750	34,336	33,874	55	59	86.192	25.350,442	393.543,914	15,524	15,062
6	10	98.929	86.565,673	2.951.297,506	34,093	33,631	56	60	85.112	24.481,929	368.193,471	15,039	14,577
7	11	98.910	84.643,819	2.864.731,833	33,845	33,383	57	61	83.981	23.624,942	343.711,542	14,549	14,087
8	12	98.888	82.763,257	2.780.088,014	33,591	33,129	58	62	82.786	22.776,259	320.086,600	14,054	13,592
9	13	98.868	80.925,563	2.697.324,757	33,331	32,869	59	63	81.481	21.923,949	297.310,341	13,561	13,099
10	14	98.849	79.129,731	2.616.399,194	33,065	32,603	60	64	80.076	21.071,831	275.386,393	13,069	12,607
11	15	98.828	77.372,201	2.537.269,463	32,793	32,331	61	65	78.595	20.227,127	254.314,562	12,573	12,111
12	16	98.796	75.645,184	2.459.897,262	32,519	32,057	62	66	77.017	19.384,798	234.087,435	12,076	11,614
13	17	98.763	73.955,294	2.384.252,077	32,239	31,777	63	67	75.292	18.533,490	214.702,637	11,585	11,123
14	18	98.728	72.302,626	2.310.296,783	31,953	31,491	64	68	73.449	17.682,146	196.169,147	11,094	10,632
15	19	98.681	70.678,237	2.237.994,157	31,665	31,203	65	69	71.463	16.825,468	178.487,002	10,608	10,146
16	20	98.631	69.087,508	2.167.315,920	31,371	30,909	66	70	69.316	15.960,781	161.661,534	10,129	9,667
17	21	98.562	67.520,033	2.098.228,412	31,076	30,614	67	71	67.023	15.093,261	145.700,752	9,653	9,191
18	22	98.488	65.984,643	2.030.708,379	30,775	30,313	68	72	64.524	14.210,765	130.607,491	9,191	8,729
19	23	98.386	64.466,252	1.964.723,736	30,477	30,015	69	73	61.863	13.324,865	116.396,726	8,735	8,273
20	24	98.282	62.980,464	1.900.257,484	30,172	29,710	70	74	59.042	12.437,415	103.071,860	8,287	7,825
21	25	98.180	61.531,036	1.837.277,020	29,859	29,397	71	75	56.053	11.547,872	90.634,445	7,849	7,387
22	26	98.079	60.115,072	1.775.745,984	29,539	29,077	72	76	52.880	10.654,516	79.086,573	7,423	6,961
23	27	97.978	58.731,473	1.715.630,911	29,211	28,749	73	77	49.542	9.762,201	68.432,057	7,010	6,548
24	28	97.877	57.379,792	1.656.899,438	28,876	28,414	74	78	46.071	8.878,541	58.669,855	6,608	6,146
25	29	97.776	56.059,793	1.599.519,647	28,532	28,070	75	79	42.480	8.006,365	49.791,314	6,219	5,757
26	30	97.676	54.770,064	1.543.459,853	28,181	27,719	76	80	38.812	7.153,998	41.784,949	5,841	5,379
27	31	97.575	53.509,021	1.488.689,789	27,821	27,359	77	81	35.079	6.323,713	34.630,952	5,476	5,014
28	32	97.470	52.275,457	1.435.180,768	27,454	26,992	78	82	31.311	5.520,160	28.307,239	5,128	4,666
29	33	97.364	51.069,397	1.382.905,311	27,079	26,617	79	83	27.509	4.743,266	22.787,079	4,804	4,342
30	34	97.256	49.890,548	1.331.835,914	26,695	26,233	80	84	23.837	4.019,696	18.043,813	4,489	4,027
31	35	97.140	48.734,208	1.281.945,366	26,305	25,843	81	85	20.293	3.346,636	14.024,117	4,191	3,728
32	36	97.013	47.599,798	1.233.211,158	25,908	25,446	82	86	17.009	2.743,421	10.677,481	3,892	3,430
33	37	96.879	46.487,930	1.185.611,360	25,504	25,042	83	87	13.859	2.186,110	7.934,060	3,629	3,167
34	38	96.735	45.397,230	1.139.123,431	25,092	24,630	84	88	10.980	1.693,810	5.747,949	3,394	2,931
35	39	96.575	44.324,837	1.093.726,201	24,675	24,213	85	89	8.484	1.280,025	4.054,139	3,167	2,705
36	40	96.396	43.269,455	1.049.401,364	24,253	23,791	86	90	6.387	942,391	2.774,115	2,944	2,482
37	41	96.204	42.232,772	1.006.131,909	23,823	23,361	87	91	4.635	668,868	1.831,724	2,739	2,277
38	42	95.993	41.212,765	963.899,137	23,388	22,926	88	92	3.201	451,736	1.162,855	2,574	2,112
39	43	95.753	40.205,074	922.686,372	22,950	22,487	89	93	2.122	292,955	711,120	2,427	1,965
40	44	95.481	39.208,803	882.481,298	22,507	22,045	90	94	1.351	182,358	418,165	2,293	1,831
41	45	95.184	38.226,692	843.272,495	22,060	21,598	91	95	824	108,794	235,806	2,167	1,705
42	46	94.852	37.255,316	805.045,803	21,609	21,147	92	96	478	61,756	127,012	2,057	1,595
43	47	94.473	36.289,864	767.790,487	21,157	20,695	93	97	264	33,356	65,256	1,956	1,494
44	48	94.056	35.334,602	731.500,623	20,702	20,240	94	98	138	17,100	31,900	1,865	1,403
45	49	93.605	34.391,295	696.166,021	20,243	19,780	95	99	69	8,300	14,800	1,783	1,321
46	50	93.092	33.450,323	661.774,726	19,784	19,322	96	100	32	3,804	6,500	1,709	1,247
47	51	92.542	32.520,835	628.324,403	19,321	18,859	97	101	14	1,643	2,695	1,641	1,179
48	52	91.939	31.598,012	595.803,568	18,856	18,394	98	102	6	0,667	1,053	1,580	1,118
49	53	91.287	30.683,498	564.205,556	18,388	17,926	99	103	2	0,253	0,386	1,524	1,062
							100	104	1	0,090	0,133	1,473	1,011

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -5 Jahre

Zinsfuß 2,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	5	99.535	99.534,992	3.503.844,813	35,202	34,740	50	55	90.275	29.675,717	524.779,506	17,684	17,222
1	6	99.068	96.887,952	3.404.309,821	35,137	34,675	51	56	89.487	28.769,528	495.103,790	17,209	16,747
2	7	99.019	94.708,935	3.307.421,869	34,922	34,460	52	57	88.666	27.878,314	466.334,261	16,727	16,265
3	8	98.990	92.598,162	3.212.712,934	34,695	34,233	53	58	87.753	26.983,979	438.455,948	16,249	15,787
4	9	98.963	90.535,338	3.120.114,772	34,463	34,001	54	59	86.781	26.098,034	411.471,969	15,766	15,304
5	10	98.943	88.525,523	3.029.579,434	34,223	33,761	55	60	85.754	25.221,566	385.373,935	15,280	14,818
6	11	98.921	86.558,393	2.941.053,911	33,978	33,516	56	61	84.644	24.347,174	360.152,369	14,792	14,330
7	12	98.900	84.635,881	2.854.495,517	33,727	33,265	57	62	83.508	23.491,996	335.805,194	14,294	13,832
8	13	98.880	82.756,228	2.769.859,636	33,470	33,008	58	63	82.265	22.632,930	312.313,198	13,799	13,337
9	14	98.858	80.917,722	2.687.103,408	33,208	32,746	59	64	80.926	21.774,826	289.680,268	13,303	12,841
10	15	98.838	79.120,510	2.606.185,686	32,939	32,477	60	65	79.490	20.917,736	267.905,442	12,808	12,346
11	16	98.811	77.358,377	2.527.065,175	32,667	32,205	61	66	77.953	20.061,924	246.987,706	12,311	11,849
12	17	98.775	75.629,165	2.449.706,798	32,391	31,929	62	67	76.320	19.209,238	226.925,782	11,813	11,351
13	18	98.741	73.939,022	2.374.077,634	32,109	31,647	63	68	74.526	18.345,097	207.716,544	11,323	10,861
14	19	98.700	72.281,833	2.300.138,611	31,822	31,360	64	69	72.609	17.479,905	189.371,447	10,834	10,372
15	20	98.654	70.658,645	2.227.856,779	31,530	31,068	65	70	70.552	16.610,806	171.891,542	10,348	9,886
16	21	98.600	69.065,687	2.157.198,134	31,234	30,772	66	71	68.331	15.733,922	155.280,736	9,869	9,407
17	22	98.538	67.503,512	2.088.132,447	30,934	30,472	67	72	65.937	14.848,565	139.546,814	9,398	8,936
18	23	98.461	65.966,779	2.020.628,935	30,631	30,169	68	73	63.361	13.954,558	124.698,249	8,936	8,474
19	24	98.361	64.449,432	1.954.662,156	30,329	29,867	69	74	60.603	13.053,406	110.743,691	8,484	8,022
20	25	98.255	62.963,353	1.890.212,724	30,021	29,559	70	75	57.698	12.154,318	97.690,285	8,037	7,575
21	26	98.156	61.515,896	1.827.249,371	29,704	29,242	71	76	54.600	11.248,465	85.535,967	7,604	7,142
22	27	98.052	60.098,243	1.765.733,475	29,381	28,919	72	77	51.349	10.346,086	74.287,502	7,180	6,718
23	28	97.949	58.714,357	1.705.635,233	29,050	28,588	73	78	47.930	9.444,612	63.941,416	6,770	6,308
24	29	97.847	57.362,760	1.646.920,876	28,711	28,249	74	79	44.363	8.549,484	54.496,804	6,374	5,912
25	30	97.748	56.043,384	1.589.558,116	28,363	27,901	75	80	40.693	7.669,568	45.947,320	5,991	5,529
26	31	97.644	54.752,131	1.533.514,732	28,008	27,546	76	81	36.921	6.805,495	38.277,752	5,625	5,163
27	32	97.540	53.489,908	1.478.762,600	27,646	27,184	77	82	33.124	5.971,205	31.472,257	5,271	4,809
28	33	97.435	52.256,869	1.425.272,693	27,274	26,812	78	83	29.287	5.163,425	25.501,052	4,939	4,477
29	34	97.325	51.048,991	1.373.015,824	26,896	26,434	79	84	25.538	4.403,374	20.337,628	4,619	4,157
30	35	97.211	49.867,159	1.321.966,833	26,510	26,048	80	85	21.922	3.696,667	15.934,254	4,310	3,848
31	36	97.090	48.709,258	1.272.099,675	26,116	25,654	81	86	18.531	3.056,066	12.237,588	4,004	3,542
32	37	96.958	47.572,882	1.223.390,417	25,716	25,254	82	87	15.294	2.466,845	9.181,522	3,722	3,260
33	38	96.820	46.459,422	1.175.817,535	25,308	24,846	83	88	12.225	1.928,417	6.714,677	3,482	3,020
34	39	96.667	45.365,474	1.129.358,112	24,895	24,433	84	89	9.535	1.471,028	4.786,260	3,254	2,792
35	40	96.497	44.289,366	1.083.992,638	24,475	24,013	85	90	7.226	1.090,293	3.315,232	3,041	2,579
36	41	96.313	43.231,811	1.039.703,272	24,049	23,587	86	91	5.343	788,346	2.224,939	2,822	2,360
37	42	96.109	42.191,025	996.471,461	23,618	23,156	87	92	3.766	543,522	1.436,593	2,643	2,181
38	43	95.885	41.166,414	954.280,436	23,181	22,719	88	93	2.543	358,954	893,071	2,488	2,026
39	44	95.628	40.152,887	913.114,022	22,741	22,279	89	94	1.647	227,336	534,117	2,349	1,887
40	45	95.348	39.154,224	872.961,135	22,295	21,833	90	95	1.022	138,020	306,781	2,223	1,761
41	46	95.033	38.166,064	833.806,911	21,847	21,385	91	96	608	80,206	168,761	2,104	1,642
42	47	94.682	37.188,406	795.640,847	21,395	20,933	92	97	343	44,289	88,556	1,999	1,537
43	48	94.289	36.219,293	758.452,440	20,941	20,479	93	98	184	23,241	44,266	1,905	1,443
44	49	93.857	35.259,695	722.233,148	20,483	20,021	94	99	94	11,560	21,026	1,819	1,357
45	50	93.379	34.308,525	686.973,452	20,023	19,561	95	100	45	5,437	9,465	1,741	1,279
46	51	92.857	33.365,806	652.664,928	19,561	19,099	96	101	20	2,412	4,029	1,670	1,208
47	52	92.285	32.430,517	619.299,121	19,096	18,634	97	102	9	1,006	1,617	1,606	1,144
48	53	91.661	31.502,485	586.868,604	18,629	18,167	98	103	3	0,394	0,610	1,548	1,086
49	54	90.998	30.586,613	555.366,120	18,157	17,695	99	104	1	0,145	0,216	1,496	1,034
							100	105	0	0,049	0,072	1,448	0,986

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -6 Jahre

Zinsfuß 2,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	6	99.522	99.521,980	3.492.881,130	35,097	34,635	50	56	89.933	29.563,339	515.504,759	17,437	16,975
1	7	99.059	96.879,024	3.393.359,150	35,027	34,565	51	57	89.128	28.654,027	485.941,420	16,959	16,497
2	8	99.010	94.700,687	3.296.480,125	34,809	34,347	52	58	88.271	27.753,891	457.287,393	16,477	16,014
3	9	98.981	92.589,273	3.201.779,439	34,580	34,118	53	59	87.330	26.854,034	429.533,503	15,995	15,533
4	10	98.956	90.529,488	3.109.190,165	34,345	33,882	54	60	86.340	25.965,357	402.679,469	15,508	15,046
5	11	98.935	88.518,079	3.018.660,677	34,102	33,640	55	61	85.282	25.082,740	376.714,112	15,019	14,557
6	12	98.912	86.550,276	2.930.142,599	33,855	33,393	56	62	84.167	24.210,164	351.631,371	14,524	14,062
7	13	98.892	84.628,693	2.843.592,323	33,601	33,139	57	63	82.983	23.344,164	327.421,207	14,026	13,564
8	14	98.870	82.748,210	2.758.963,630	33,342	32,880	58	64	81.705	22.478,985	304.077,043	13,527	13,065
9	15	98.847	80.908,293	2.676.215,420	33,077	32,615	59	65	80.335	21.615,590	281.598,059	13,028	12,566
10	16	98.820	79.106,374	2.595.307,126	32,808	32,346	60	66	78.841	20.746,893	259.982,468	12,531	12,069
11	17	98.790	77.341,994	2.516.200,752	32,533	32,071	61	67	77.247	19.880,232	239.235,575	12,034	11,572
12	18	98.754	75.612,525	2.438.858,758	32,255	31,793	62	68	75.544	19.013,976	219.355,344	11,537	11,075
13	19	98.712	73.917,758	2.363.246,233	31,971	31,509	63	69	73.674	18.135,274	200.341,367	11,047	10,585
14	20	98.672	72.261,796	2.289.328,475	31,681	31,219	64	70	71.683	17.256,893	182.206,093	10,558	10,096
15	21	98.623	70.636,327	2.217.066,679	31,387	30,925	65	71	69.549	16.374,707	164.949,200	10,073	9,611
16	22	98.576	69.048,788	2.146.430,352	31,086	30,624	66	72	67.223	15.478,839	148.574,493	9,599	9,137
17	23	98.511	67.485,236	2.077.381,564	30,783	30,321	67	73	64.748	14.580,859	133.095,653	9,128	8,666
18	24	98.435	65.949,567	2.009.896,328	30,476	30,014	68	74	62.070	13.670,271	118.514,795	8,670	8,208
19	25	98.334	64.431,923	1.943.946,760	30,171	29,709	69	75	59.223	12.756,288	104.844,524	8,219	7,757
20	26	98.231	62.947,860	1.879.514,838	29,858	29,396	70	76	56.202	11.839,187	92.088,236	7,778	7,316
21	27	98.129	61.498,674	1.816.566,978	29,538	29,076	71	77	53.019	10.922,840	80.249,049	7,347	6,885
22	28	98.023	60.080,728	1.755.068,304	29,212	28,750	72	78	49.679	10.009,502	69.326,209	6,926	6,464
23	29	97.920	58.696,929	1.694.987,576	28,877	28,415	73	79	46.153	9.094,575	59.316,707	6,522	6,060
24	30	97.819	57.345,969	1.636.290,647	28,534	28,072	74	80	42.497	8.189,840	50.222,132	6,132	5,670
25	31	97.716	56.025,035	1.578.944,677	28,183	27,721	75	81	38.711	7.295,590	42.032,292	5,761	5,299
26	32	97.610	54.732,574	1.522.919,643	27,825	27,363	76	82	34.863	6.426,130	34.736,342	5,405	4,943
27	33	97.505	53.470,888	1.468.187,069	27,458	26,996	77	83	30.983	5.585,321	28.310,212	5,069	4,607
28	34	97.396	52.235,988	1.414.716,181	27,083	26,621	78	84	27.188	4.793,424	22.724,891	4,741	4,279
29	35	97.279	51.025,058	1.362.480,193	26,702	26,240	79	85	23.486	4.049,512	17.931,467	4,428	3,966
30	36	97.161	49.841,629	1.311.455,135	26,312	25,850	80	86	20.018	3.375,705	13.881,955	4,112	3,650
31	37	97.035	48.681,715	1.261.613,507	25,916	25,454	81	87	16.663	2.747,970	10.506,250	3,823	3,361
32	38	96.899	47.543,710	1.212.931,792	25,512	25,050	82	88	13.492	2.176,059	7.758,280	3,565	3,103
33	39	96.752	46.426,923	1.165.388,082	25,102	24,640	83	89	10.617	1.674,778	5.582,221	3,333	2,871
34	40	96.590	45.329,170	1.118.961,159	24,685	24,223	84	90	8.122	1.252,985	3.907,443	3,119	2,656
35	41	96.413	44.250,835	1.073.631,989	24,262	23,800	85	91	6.045	912,072	2.654,458	2,910	2,448
36	42	96.217	43.189,077	1.029.381,154	23,834	23,372	86	92	4.341	640,610	1.742,386	2,720	2,258
37	43	96.001	42.143,574	986.192,077	23,401	22,939	87	93	2.993	431,888	1.101,776	2,551	2,089
38	44	95.760	41.112,979	944.048,503	22,962	22,500	88	94	1.974	278,551	669,888	2,405	1,943
39	45	95.495	40.096,994	902.935,524	22,519	22,057	89	95	1.247	172,061	391,337	2,274	1,812
40	46	95.197	39.092,125	862.838,530	22,072	21,610	90	96	754	101,751	219,275	2,155	1,693
41	47	94.862	38.097,519	823.746,405	21,622	21,160	91	97	436	57,521	117,524	2,043	1,581
42	48	94.498	37.116,088	785.648,886	21,167	20,705	92	98	239	30,858	60,003	1,944	1,482
43	49	94.089	36.142,510	748.532,798	20,711	20,249	93	99	124	15,711	29,145	1,855	1,393
44	50	93.631	35.174,835	712.390,288	20,253	19,791	94	100	61	7,573	13,434	1,774	1,312
45	51	93.144	34.221,840	677.215,453	19,789	19,327	95	101	29	3,447	5,861	1,700	1,238
46	52	92.599	33.273,141	642.993,613	19,325	18,863	96	102	13	1,478	2,414	1,634	1,172
47	53	92.006	32.332,473	609.720,472	18,858	18,396	97	103	5	0,595	0,936	1,573	1,111
48	54	91.371	31.403,014	577.387,999	18,386	17,924	98	104	2	0,225	0,341	1,518	1,056
49	55	90.682	30.480,226	545.984,985	17,913	17,451	99	105	1	0,079	0,116	1,468	1,006
							100	106					

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -7 Jahre

Zinsfuß 2,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	7	99.513	99.512,810	3.481.236,445	34,983	34,521	50	57	89.572	29.444,650	505.692,229	17,174	16,712
1	8	99.050	96.870,587	3.381.723,635	34,910	34,448	51	58	88.730	28.526,141	476.247,578	16,695	16,233
2	9	99.001	94.691,596	3.284.853,048	34,690	34,228	52	59	87.846	27.620,238	447.721,437	16,210	15,748
3	10	98.974	92.583,291	3.190.161,451	34,457	33,995	53	60	86.886	26.717,514	420.101,199	15,724	15,262
4	11	98.948	90.521,875	3.097.578,161	34,219	33,757	54	61	85.865	25.822,438	393.383,685	15,234	14,772
5	12	98.925	88.509,778	3.007.056,286	33,974	33,512	55	62	84.802	24.941,591	367.561,248	14,737	14,275
6	13	98.903	86.542,925	2.918.546,508	33,724	33,262	56	63	83.638	24.057,812	342.619,657	14,242	13,779
7	14	98.882	84.620,493	2.832.003,583	33,467	33,005	57	64	82.418	23.185,380	318.561,845	13,740	13,278
8	15	98.859	82.738,568	2.747.383,090	33,206	32,744	58	65	81.108	22.314,600	295.376,464	13,237	12,775
9	16	98.829	80.893,837	2.664.644,522	32,940	32,478	59	66	79.679	21.439,048	273.061,864	12,737	12,275
10	17	98.799	79.089,621	2.583.750,684	32,669	32,207	60	67	78.127	20.558,997	251.622,817	12,239	11,777
11	18	98.768	77.324,978	2.504.661,063	32,391	31,929	61	68	76.462	19.678,149	231.063,819	11,742	11,280
12	19	98.725	75.590,779	2.427.336,085	32,112	31,650	62	69	74.680	18.796,503	211.385,670	11,246	10,784
13	20	98.685	73.897,268	2.351.745,306	31,825	31,363	63	70	72.734	17.903,901	192.589,168	10,757	10,295
14	21	98.641	72.238,971	2.277.848,038	31,532	31,070	64	71	70.664	17.011,612	174.685,267	10,269	9,807
15	22	98.599	70.619,044	2.205.609,067	31,232	30,770	65	72	68.421	16.109,236	157.673,655	9,788	9,326
16	23	98.549	69.030,094	2.134.990,023	30,928	30,466	66	73	66.011	15.199,770	141.564,419	9,314	8,852
17	24	98.485	67.467,629	2.065.959,929	30,621	30,159	67	74	63.429	14.283,812	126.364,649	8,847	8,385
18	25	98.409	65.931,650	1.998.492,300	30,312	29,850	68	75	60.657	13.359,112	112.080,837	8,390	7,928
19	26	98.310	64.416,068	1.932.560,650	30,001	29,539	69	76	57.688	12.425,549	98.721,725	7,945	7,483
20	27	98.203	62.930,237	1.868.144,581	29,686	29,224	70	77	54.575	11.496,462	86.296,176	7,506	7,044
21	28	98.100	61.480,751	1.805.214,344	29,362	28,900	71	78	51.294	10.567,493	74.799,714	7,078	6,616
22	29	97.994	60.062,895	1.743.733,593	29,032	28,570	72	79	47.838	9.638,528	64.232,221	6,664	6,202
23	30	97.891	58.679,748	1.683.670,698	28,693	28,231	73	80	44.212	8.712,001	54.593,693	6,266	5,804
24	31	97.787	57.327,193	1.624.990,950	28,346	27,884	74	81	40.427	7.790,877	45.881,691	5,889	5,427
25	32	97.681	56.005,022	1.567.663,757	27,991	27,529	75	82	36.553	6.889,245	38.090,814	5,529	5,067
26	33	97.575	54.713,112	1.511.658,735	27,629	27,167	76	83	32.610	6.010,847	31.201,569	5,191	4,729
27	34	97.466	53.449,522	1.456.945,623	27,258	26,796	77	84	28.763	5.185,088	25.190,722	4,858	4,396
28	35	97.351	52.211,499	1.403.496,101	26,881	26,419	78	85	25.004	4.408,217	20.005,634	4,538	4,076
29	36	97.229	50.998,935	1.351.284,602	26,496	26,034	79	86	21.447	3.697,914	15.597,416	4,218	3,756
30	37	97.106	49.813,445	1.300.285,667	26,103	25,641	80	87	18.000	3.035,385	11.899,502	3,920	3,458
31	38	96.976	48.651,862	1.250.472,221	25,702	25,240	81	88	14.698	2.424,046	8.864,117	3,657	3,195
32	39	96.831	47.510,452	1.201.820,359	25,296	24,834	82	89	11.717	1.889,848	6.440,071	3,408	2,946
33	40	96.674	46.389,770	1.154.309,907	24,883	24,421	83	90	9.044	1.426,534	4.550,222	3,190	2,728
34	41	96.506	45.289,734	1.107.920,137	24,463	24,001	84	91	6.794	1.048,170	3.123,688	2,980	2,518
35	42	96.318	44.207,093	1.062.630,403	24,038	23,576	85	92	4.912	741,150	2.075,518	2,800	2,338
36	43	96.109	43.140,503	1.018.423,309	23,607	23,145	86	93	3.450	509,035	1.334,369	2,621	2,159
37	44	95.876	42.088,871	975.282,806	23,172	22,710	87	94	2.322	335,149	825,333	2,463	2,001
38	45	95.627	41.055,750	933.193,935	22,730	22,268	88	95	1.494	210,824	490,184	2,325	1,863
39	46	95.344	40.033,400	892.138,185	22,285	21,823	89	96	919	126,848	279,360	2,202	1,740
40	47	95.026	39.021,916	852.104,785	21,837	21,375	90	97	541	72,972	152,512	2,090	1,628
41	48	94.678	38.023,433	813.082,869	21,384	20,922	91	98	304	40,077	79,540	1,985	1,523
42	49	94.297	37.037,404	775.059,437	20,926	20,464	92	99	162	20,861	39,463	1,892	1,430
43	50	93.863	36.055,525	738.022,033	20,469	20,007	93	100	82	10,292	18,602	1,807	1,345
44	51	93.394	35.085,961	701.966,507	20,007	19,545	94	101	39	4,801	8,309	1,731	1,269
45	52	92.885	34.126,797	666.880,546	19,541	19,079	95	102	17	2,112	3,509	1,661	1,199
46	53	92.319	33.172,550	632.753,749	19,075	18,613	96	103	7	0,874	1,397	1,599	1,136
47	54	91.715	32.230,382	599.581,199	18,603	18,141	97	104	3	0,339	0,523	1,541	1,079
48	55	91.054	31.293,787	567.350,817	18,130	17,668	98	105	1	0,123	0,184	1,489	1,027
49	56	90.339	30.364,801	536.057,030	17,654	17,192	99	106					
							100	107					

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -8 Jahre

Zinsfuß 2,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	8	99.504	99.504,143	3.468.890,860	34,862	34,400	50	58	89.172	29.313,236	495.335,915	16,898	16,436
1	9	99.041	96.861,288	3.369.386,717	34,786	34,324	51	59	88.303	28.388,770	466.022,679	16,416	15,954
2	10	98.994	94.685,478	3.272.525,428	34,562	34,100	52	60	87.399	27.479,823	437.633,909	15,926	15,464
3	11	98.966	92.575,505	3.177.839,951	34,327	33,865	53	61	86.408	26.570,454	410.154,086	15,436	14,974
4	12	98.939	90.513,386	3.085.264,446	34,086	33,624	54	62	85.382	25.677,126	383.583,632	14,939	14,477
5	13	98.917	88.502,261	2.994.751,060	33,838	33,376	55	63	84.268	24.784,636	357.906,507	14,441	13,979
6	14	98.894	86.534,540	2.906.248,799	33,585	33,123	56	64	83.069	23.894,175	333.121,871	13,942	13,480
7	15	98.871	84.610,633	2.819.714,259	33,326	32,864	57	65	81.816	23.015,830	309.227,696	13,435	12,973
8	16	98.841	82.723,785	2.735.103,626	33,063	32,601	58	66	80.445	22.132,348	286.211,866	12,932	12,470
9	17	98.808	80.876,706	2.652.379,841	32,795	32,333	59	67	78.957	21.244,883	264.079,517	12,430	11,968
10	18	98.777	79.072,220	2.571.503,135	32,521	32,059	60	68	77.333	20.350,015	242.834,634	11,933	11,471
11	19	98.740	77.302,740	2.492.430,915	32,242	31,780	61	69	75.588	19.453,079	222.484,619	11,437	10,975
12	20	98.698	75.569,825	2.415.128,175	31,959	31,497	62	70	73.727	18.556,693	203.031,540	10,941	10,479
13	21	98.654	73.873,927	2.339.558,350	31,670	31,208	63	71	71.700	17.649,423	184.474,847	10,452	9,990
14	22	98.617	72.221,297	2.265.684,423	31,371	30,909	64	72	69.518	16.735,815	166.825,423	9,968	9,506
15	23	98.572	70.599,925	2.193.463,127	31,069	30,607	65	73	67.188	15.818,801	150.089,609	9,488	9,026
16	24	98.523	69.012,083	2.122.863,202	30,761	30,299	66	74	64.666	14.890,115	134.270,808	9,017	8,555
17	25	98.459	67.449,300	2.053.851,119	30,450	29,988	67	75	61.985	13.958,688	119.380,693	8,552	8,090
18	26	98.385	65.915,427	1.986.401,819	30,136	29,674	68	76	59.085	13.012,743	105.422,005	8,101	7,639
19	27	98.282	64.398,034	1.920.486,392	29,822	29,360	69	77	56.018	12.065,850	92.409,262	7,659	7,197
20	28	98.175	62.911,897	1.856.088,358	29,503	29,041	70	78	52.800	11.122,453	80.343,411	7,224	6,762
21	29	98.071	61.462,502	1.793.176,460	29,175	28,713	71	79	49.393	10.175,839	69.220,958	6,802	6,340
22	30	97.965	60.045,314	1.731.713,958	28,840	28,378	72	80	45.825	9.233,073	59.045,119	6,395	5,933
23	31	97.859	58.660,535	1.671.668,644	28,497	28,035	73	81	42.058	8.287,602	49.812,047	6,010	5,548
24	32	97.752	57.306,716	1.613.008,109	28,147	27,685	74	82	38.173	7.356,583	41.524,445	5,645	5,183
25	33	97.646	55.985,108	1.555.701,393	27,788	27,326	75	83	34.191	6.444,034	34.167,862	5,302	4,840
26	34	97.536	54.691,250	1.499.716,285	27,422	26,959	76	84	30.273	5.580,122	27.723,828	4,968	4,506
27	35	97.420	53.424,464	1.445.025,036	27,048	26,586	77	85	26.451	4.768,407	22.143,705	4,644	4,182
28	36	97.301	52.184,769	1.391.600,572	26,667	26,205	78	86	22.833	4.025,476	17.375,299	4,316	3,854
29	37	97.174	50.970,097	1.339.415,803	26,278	25,816	79	87	19.284	3.325,111	13.349,823	4,015	3,553
30	38	97.046	49.782,899	1.288.445,705	25,881	25,419	80	88	15.878	2.677,581	10.024,712	3,744	3,282
31	39	96.908	48.617,830	1.238.662,807	25,478	25,016	81	89	12.765	2.105,218	7.347,131	3,490	3,028
32	40	96.754	47.472,431	1.190.044,977	25,068	24,606	82	90	9.980	1.609,726	5.241,913	3,256	2,794
33	41	96.590	46.349,411	1.142.572,545	24,651	24,189	83	91	7.565	1.193,350	3.632,187	3,044	2,582
34	42	96.410	45.244,966	1.096.223,134	24,229	23,767	84	92	5.521	851,743	2.438,836	2,863	2,401
35	43	96.210	44.157,375	1.050.978,168	23,801	23,339	85	93	3.903	588,925	1.587,094	2,695	2,233
36	44	95.984	43.084,506	1.006.820,793	23,369	22,906	86	94	2.677	395,016	998,169	2,527	2,065
37	45	95.743	42.030,283	963.736,287	22,930	22,468	87	95	1.758	253,661	603,153	2,378	1,916
38	46	95.475	40.990,635	921.706,004	22,486	22,024	88	96	1.101	155,425	349,492	2,249	1,787
39	47	95.172	39.961,501	880.715,369	22,039	21,577	89	97	659	90,971	194,067	2,133	1,671
40	48	94.841	38.946,032	840.753,868	21,588	21,126	90	98	377	50,843	103,097	2,028	1,566
41	49	94.477	37.942,825	801.807,836	21,132	20,670	91	99	205	27,093	52,254	1,929	1,467
42	50	94.070	36.948,266	763.865,011	20,674	20,212	92	100	106	13,666	25,160	1,841	1,379
43	51	93.626	35.964,426	726.916,745	20,212	19,750	93	101	52	6,525	11,495	1,762	1,300
44	52	93.135	34.988,519	690.952,319	19,748	19,286	94	102	24	2,941	4,970	1,690	1,228
45	53	92.604	34.023,625	655.963,800	19,280	18,818	95	103	10	1,249	2,029	1,624	1,162
46	54	92.028	33.067,806	621.940,175	18,808	18,346	96	104	4	0,498	0,780	1,565	1,103
47	55	91.396	32.118,277	588.872,369	18,334	17,872	97	105	2	0,186	0,281	1,511	1,049
48	56	90.709	31.175,282	556.754,092	17,859	17,397	98	106					
49	57	89.976	30.242,895	525.578,810	17,379	16,917	99	107					
							100	108					

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -9 Jahre

Zinsfuß 2,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	9	99.495	99.494,592	3.455.829,658	34,734	34,272	50	59	88.743	29.172,075	484.438,500	16,606	16,144
1	10	99.034	96.855,029	3.356.335,066	34,653	34,191	51	60	87.854	28.244,448	455.266,425	16,119	15,657
2	11	98.986	94.677,515	3.259.480,037	34,427	33,965	52	61	86.918	27.328,567	427.021,977	15,625	15,163
3	12	98.957	92.566,823	3.164.802,522	34,189	33,727	53	62	85.922	26.420,932	399.693,410	15,128	14,666
4	13	98.930	90.505,699	3.072.235,698	33,945	33,483	54	63	84.845	25.515,542	373.272,478	14,629	14,167
5	14	98.907	88.493,686	2.981.729,999	33,694	33,232	55	64	83.695	24.616,055	347.756,936	14,127	13,665
6	15	98.882	86.524,457	2.893.236,314	33,438	32,976	56	65	82.461	23.719,441	323.140,881	13,623	13,161
7	16	98.853	84.595,516	2.806.711,857	33,178	32,716	57	66	81.147	22.827,851	299.421,440	13,116	12,654
8	17	98.820	82.706,266	2.722.116,341	32,913	32,451	58	67	79.717	21.931,905	276.593,589	12,611	12,149
9	18	98.787	80.858,912	2.639.410,075	32,642	32,180	59	68	78.154	21.028,929	254.661,684	12,110	11,648
10	19	98.749	79.049,479	2.558.551,163	32,366	31,904	60	69	76.448	20.117,260	233.632,755	11,614	11,152
11	20	98.712	77.281,311	2.479.501,684	32,084	31,622	61	70	74.623	19.204,893	213.515,494	11,118	10,656
12	21	98.667	75.545,956	2.402.220,373	31,798	31,336	62	71	72.679	18.292,937	194.310,601	10,622	10,160
13	22	98.630	73.855,852	2.326.674,417	31,503	31,041	63	72	70.538	17.363,286	176.017,664	10,137	9,675
14	23	98.590	72.201,743	2.252.818,565	31,202	30,740	64	73	68.265	16.434,083	158.654,378	9,654	9,192
15	24	98.546	70.581,505	2.180.616,822	30,895	30,433	65	74	65.819	15.496,535	142.220,295	9,178	8,716
16	25	98.496	68.993,334	2.110.035,317	30,583	30,121	66	75	63.194	14.551,190	126.723,760	8,709	8,247
17	26	98.434	67.432,703	2.041.041,983	30,268	29,806	67	76	60.378	13.596,774	112.172,570	8,250	7,788
18	27	98.357	65.896,973	1.973.609,280	29,950	29,488	68	77	57.374	12.636,046	98.575,796	7,801	7,339
19	28	98.254	64.379,267	1.907.712,307	29,632	29,170	69	78	54.195	11.673,318	85.939,751	7,362	6,900
20	29	98.145	62.893,224	1.843.333,040	29,309	28,847	70	79	50.843	10.710,231	74.266,433	6,934	6,472
21	30	98.042	61.444,512	1.780.439,817	28,976	28,514	71	80	47.315	9.747,781	63.556,201	6,520	6,058
22	31	97.933	60.025,654	1.718.995,305	28,638	28,176	72	81	43.593	8.783,289	53.808,421	6,126	5,664
23	32	97.824	58.639,581	1.658.969,651	28,291	27,829	73	82	39.714	7.825,619	45.025,131	5,754	5,292
24	33	97.717	57.286,339	1.600.330,070	27,936	27,474	74	83	35.707	6.881,170	37.199,513	5,406	4,944
25	34	97.607	55.962,738	1.543.043,731	27,573	27,111	75	84	31.741	5.982,268	30.318,342	5,068	4,606
26	35	97.490	54.665,609	1.487.080,993	27,203	26,741	76	85	27.840	5.131,695	24.336,074	4,742	4,280
27	36	97.370	53.397,113	1.432.415,384	26,826	26,364	77	86	24.155	4.354,391	19.204,379	4,410	3,948
28	37	97.246	52.155,261	1.379.018,271	26,441	25,979	78	87	20.531	3.619,650	14.849,988	4,103	3,641
29	38	97.115	50.938,842	1.326.863,010	26,048	25,586	79	88	17.011	2.933,155	11.230,338	3,829	3,367
30	39	96.979	49.748,075	1.275.924,169	25,648	25,186	80	89	13.790	2.325,407	8.297,183	3,568	3,106
31	40	96.830	48.578,923	1.226.176,094	25,241	24,779	81	90	10.873	1.793,173	5.971,776	3,330	2,868
32	41	96.670	47.431,131	1.177.597,171	24,828	24,366	82	91	8.349	1.346,597	4.178,604	3,103	2,641
33	42	96.495	46.303,596	1.130.166,040	24,408	23,946	83	92	6.148	969,716	2.832,007	2,920	2,458
34	43	96.302	45.194,080	1.083.862,444	23,982	23,520	84	93	4.387	676,803	1.862,290	2,752	2,290
35	44	96.085	44.100,058	1.038.668,364	23,553	23,091	85	94	3.029	457,011	1.185,487	2,594	2,132
36	45	95.851	43.024,532	994.568,306	23,116	22,654	86	95	2.026	298,972	728,476	2,437	1,975
37	46	95.591	41.963,622	951.543,774	22,675	22,213	87	96	1.296	187,005	429,504	2,297	1,835
38	47	95.304	40.917,017	909.580,152	22,230	21,768	88	97	790	111,465	242,499	2,176	1,714
39	48	94.987	39.883,790	868.663,135	21,780	21,318	89	98	459	63,383	131,034	2,067	1,605
40	49	94.640	38.863,469	828.779,345	21,325	20,863	90	99	255	34,371	67,651	1,968	1,506
41	50	94.250	37.851,507	789.915,876	20,869	20,407	91	100	134	17,748	33,280	1,875	1,413
42	51	93.833	36.854,911	752.064,369	20,406	19,944	92	101	67	8,663	15,532	1,793	1,331
43	52	93.366	35.864,544	715.209,458	19,942	19,480	93	102	32	3,998	6,868	1,718	1,256
44	53	92.853	34.882,742	679.344,913	19,475	19,013	94	103	14	1,740	2,871	1,650	1,188
45	54	92.312	33.916,194	644.462,172	19,002	18,540	95	104	6	0,712	1,131	1,588	1,126
46	55	91.707	32.952,788	610.545,978	18,528	18,066	96	105	2	0,273	0,419	1,532	1,070
47	56	91.050	31.996,649	577.593,189	18,052	17,590	97	106					
48	57	90.345	31.050,122	545.596,540	17,571	17,109	98	107					
49	58	89.574	30.107,919	514.546,418	17,090	16,628	99	108					
							100	109					

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -10 Jahre

Zinsfuß 2,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	10	99.488	99.488,163	3.442.041,324	34,597	34,135	50	60	88.292	29.023,770	473.001,799	16,297	15,835
1	11	99.026	96.846,885	3.342.553,161	34,514	34,052	51	61	87.371	28.088,983	443.978,029	15,806	15,344
2	12	98.977	94.668,637	3.245.706,277	34,285	33,823	52	62	86.429	27.174,780	415.889,046	15,304	14,842
3	13	98.948	92.558,962	3.151.037,640	34,044	33,582	53	63	85.381	26.254,668	388.714,266	14,806	14,344
4	14	98.921	90.496,929	3.058.478,678	33,796	33,334	54	64	84.267	25.341,990	362.459,598	14,303	13,841
5	15	98.896	88.483,374	2.967.981,749	33,543	33,081	55	65	83.083	24.436,042	337.117,609	13,796	13,334
6	16	98.865	86.508,998	2.879.498,375	33,286	32,824	56	66	81.788	23.525,716	312.681,566	13,291	12,829
7	17	98.832	84.577,601	2.792.989,377	33,023	32,561	57	67	80.412	22.621,109	289.155,851	12,783	12,321
8	18	98.798	82.688,069	2.708.411,777	32,755	32,293	58	68	78.906	21.708,967	266.534,742	12,278	11,816
9	19	98.758	80.835,657	2.625.723,708	32,482	32,020	59	69	77.260	20.788,409	244.825,775	11,777	11,315
10	20	98.722	79.027,566	2.544.888,050	32,203	31,741	60	70	75.473	19.860,601	224.037,366	11,280	10,818
11	21	98.681	77.256,901	2.465.860,484	31,918	31,456	61	71	73.563	18.931,924	204.176,765	10,785	10,323
12	22	98.643	75.527,472	2.388.603,583	31,626	31,164	62	72	71.501	17.996,367	185.244,841	10,293	9,831
13	23	98.603	73.835,856	2.313.076,111	31,327	30,865	63	73	69.266	17.050,241	167.248,474	9,809	9,347
14	24	98.565	72.182,906	2.239.240,255	31,022	30,560	64	74	66.874	16.099,282	150.198,233	9,329	8,867
15	25	98.520	70.562,329	2.167.057,349	30,711	30,249	65	75	64.321	15.143,807	134.098,951	8,855	8,393
16	26	98.472	68.976,357	2.096.495,020	30,394	29,932	66	76	61.556	14.173,914	118.955,144	8,393	7,931
17	27	98.407	67.413,824	2.027.518,662	30,076	29,614	67	77	58.630	13.203,170	104.781,230	7,936	7,474
18	28	98.328	65.877,769	1.960.104,838	29,754	29,292	68	78	55.508	12.224,964	91.578,060	7,491	7,029
19	29	98.225	64.360,157	1.894.227,069	29,432	28,970	69	79	52.187	11.240,680	79.353,097	7,059	6,597
20	30	98.117	62.874,815	1.829.866,912	29,103	28,641	70	80	48.704	10.259,693	68.112,417	6,639	6,177
21	31	98.010	61.424,394	1.766.992,097	28,767	28,305	71	81	45.010	9.272,924	57.852,723	6,239	5,777
22	32	97.898	60.004,212	1.705.567,704	28,424	27,962	72	82	41.163	8.293,675	48.579,800	5,857	5,395
23	33	97.790	58.618,730	1.645.563,491	28,072	27,610	73	83	37.147	7.319,895	40.286,125	5,504	5,042
24	34	97.678	57.263,448	1.586.944,761	27,713	27,251	74	84	33.148	6.388,080	32.966,230	5,161	4,699
25	35	97.561	55.936,501	1.529.681,313	27,347	26,885	75	85	29.190	5.501,524	26.578,150	4,831	4,369
26	36	97.440	54.637,623	1.473.744,812	26,973	26,511	76	86	25.423	4.686,138	21.076,627	4,498	4,036
27	37	97.315	53.366,919	1.419.107,188	26,592	26,129	77	87	21.720	3.915,406	16.390,489	4,186	3,724
28	38	97.186	52.123,278	1.365.740,269	26,202	25,740	78	88	18.111	3.192,974	12.475,083	3,907	3,445
29	39	97.047	50.903,209	1.313.616,991	25,806	25,344	79	89	14.774	2.547,366	9.282,109	3,644	3,182
30	40	96.901	49.708,264	1.262.713,782	25,402	24,940	80	90	11.746	1.980,724	6.734,743	3,400	2,938
31	41	96.746	48.536,660	1.213.005,519	24,992	24,530	81	91	9.096	1.500,057	4.754,019	3,169	2,707
32	42	96.574	47.384,246	1.164.468,859	24,575	24,113	82	92	6.784	1.094,245	3.253,962	2,974	2,512
33	43	96.386	46.251,519	1.117.084,612	24,152	23,690	83	93	4.885	770,546	2.159,717	2,803	2,341
34	44	96.177	45.135,417	1.070.833,093	23,725	23,263	84	94	3.404	525,206	1.389,171	2,645	2,183
35	45	95.951	44.038,670	1.025.697,676	23,291	22,829	85	95	2.293	345,893	863,965	2,498	2,036
36	46	95.699	42.956,295	981.659,005	22,853	22,390	86	96	1.494	220,409	518,072	2,351	1,888
37	47	95.419	41.888,256	938.702,711	22,410	21,948	87	97	929	134,113	297,663	2,219	1,757
38	48	95.118	40.837,448	896.814,454	21,961	21,499	88	98	550	77,663	163,550	2,106	1,644
39	49	94.786	39.799,239	855.977,007	21,507	21,045	89	99	310	42,849	85,887	2,004	1,542
40	50	94.412	38.769,936	816.177,768	21,052	20,590	90	100	167	22,516	43,039	1,911	1,449
41	51	94.011	37.755,871	777.407,832	20,590	20,128	91	101	85	11,251	20,523	1,824	1,362
42	52	93.572	36.752,556	739.651,962	20,125	19,663	92	102	41	5,308	9,271	1,747	1,285
43	53	93.084	35.756,119	702.899,406	19,658	19,196	93	103	19	2,364	3,963	1,676	1,214
44	54	92.560	34.772,598	667.143,287	19,186	18,724	94	104	8	0,992	1,599	1,612	1,150
45	55	91.991	33.798,225	632.370,689	18,710	18,248	95	105	3	0,391	0,607	1,554	1,092
46	56	91.360	32.828,001	598.572,464	18,234	17,772	96	106					
47	57	90.685	31.868,192	565.744,463	17,753	17,291	97	107					
48	58	89.941	30.911,542	533.876,271	17,271	16,809	98	108					
49	59	89.143	29.962,930	502.964,729	16,786	16,324	99	109					
							100	110					

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -11 Jahre

Zinsfuß 2,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	11	99.480	99.479,797	3.427.511,979	34,454	33,992	50	61	87.806	28.864,016	461.027,032	15,972	15,510
1	12	99.017	96.837,803	3.328.032,182	34,367	33,905	51	62	86.879	27.930,917	432.163,016	15,473	15,011
2	13	98.968	94.660,597	3.231.194,380	34,135	33,673	52	63	85.885	27.003,771	404.232,099	14,969	14,507
3	14	98.939	92.549,994	3.136.533,783	33,890	33,428	53	64	84.800	26.076,088	377.228,328	14,466	14,004
4	15	98.909	90.486,384	3.043.983,789	33,640	33,178	54	65	83.651	25.156,668	351.152,239	13,959	13,497
5	16	98.878	88.467,565	2.953.497,405	33,385	32,923	55	66	82.405	24.236,464	325.995,571	13,451	12,989
6	17	98.844	86.490,677	2.865.029,840	33,125	32,663	56	67	81.047	23.312,653	301.759,107	12,944	12,482
7	18	98.810	84.558,992	2.778.539,163	32,859	32,397	57	68	79.595	22.391,165	278.446,454	12,436	11,974
8	19	98.770	82.664,289	2.693.980,171	32,589	32,127	58	69	78.004	21.460,669	256.055,289	11,931	11,469
9	20	98.731	80.813,249	2.611.315,883	32,313	31,851	59	70	76.275	20.523,187	234.594,620	11,431	10,969
10	21	98.690	79.002,605	2.530.502,633	32,031	31,569	60	71	74.400	19.578,311	214.071,433	10,934	10,472
11	22	98.657	77.237,999	2.451.500,028	31,740	31,278	61	72	72.370	18.624,994	194.493,121	10,443	9,981
12	23	98.616	75.507,024	2.374.262,030	31,444	30,982	62	73	70.212	17.671,909	175.868,127	9,952	9,490
13	24	98.577	73.816,592	2.298.755,006	31,141	30,679	63	74	67.855	16.702,888	158.196,218	9,471	9,009
14	25	98.538	72.163,295	2.224.938,414	30,832	30,370	64	75	65.352	15.732,835	141.493,331	8,994	8,531
15	26	98.495	70.544,966	2.152.775,119	30,516	30,054	65	76	62.653	14.751,166	125.760,496	8,525	8,063
16	27	98.445	68.957,047	2.082.230,153	30,196	29,734	66	77	59.774	13.763,602	111.009,330	8,065	7,603
17	28	98.378	67.394,178	2.013.273,106	29,873	29,411	67	78	56.723	12.773,638	97.245,728	7,613	7,151
18	29	98.299	65.858,215	1.945.878,928	29,546	29,084	68	79	53.450	11.771,881	84.472,091	7,176	6,714
19	30	98.196	64.341,319	1.880.020,714	29,219	28,757	69	80	49.992	10.767,828	72.700,210	6,752	6,290
20	31	98.085	62.854,228	1.815.679,395	28,887	28,425	70	81	46.332	9.759,899	61.932,382	6,346	5,884
21	32	97.975	61.402,452	1.752.825,167	28,547	28,084	71	82	42.501	8.756,015	52.172,483	5,958	5,496
22	33	97.863	59.982,876	1.691.422,715	28,198	27,736	72	83	38.503	7.757,703	43.416,468	5,597	5,135
23	34	97.751	58.595,308	1.631.439,838	27,842	27,380	73	84	34.485	6.795,366	35.658,765	5,248	4,785
24	35	97.632	57.236,602	1.572.844,531	27,480	27,018	74	85	30.484	5.874,724	28.863,399	4,913	4,451
25	36	97.511	55.907,864	1.515.607,928	27,109	26,647	75	86	26.655	5.023,856	22.988,675	4,576	4,114
26	37	97.385	54.606,728	1.459.700,064	26,731	26,269	76	87	22.860	4.213,707	17.964,819	4,263	3,801
27	38	97.256	53.334,193	1.405.093,337	26,345	25,883	77	88	19.159	3.453,867	13.751,111	3,981	3,519
28	39	97.118	52.086,817	1.351.759,143	25,952	25,490	78	89	15.729	2.773,011	10.297,244	3,713	3,251
29	40	96.969	50.862,473	1.299.672,326	25,553	25,091	79	90	12.584	2.169,783	7.524,233	3,468	3,006
30	41	96.817	49.665,018	1.248.809,853	25,145	24,683	80	91	9.826	1.656,951	5.354,450	3,232	2,769
31	42	96.650	48.488,682	1.199.144,834	24,730	24,268	81	92	7.391	1.218,947	3.697,499	3,033	2,571
32	43	96.465	47.330,955	1.150.656,152	24,311	23,849	82	93	5.391	869,498	2.478,552	2,851	2,389
33	44	96.261	46.191,484	1.103.325,198	23,886	23,424	83	94	3.791	597,951	1.609,055	2,691	2,229
34	45	96.043	45.072,589	1.057.133,714	23,454	22,992	84	95	2.577	397,507	1.011,103	2,544	2,082
35	46	95.799	43.968,824	1.012.061,125	23,018	22,556	85	96	1.690	255,001	613,597	2,406	1,944
36	47	95.527	42.879,146	968.092,301	22,577	22,115	86	97	1.071	158,069	358,596	2,269	1,807
37	48	95.233	41.806,799	925.213,155	22,131	21,669	87	98	648	93,443	200,527	2,146	1,684
38	49	94.917	40.750,875	883.406,356	21,678	21,216	88	99	372	52,502	107,084	2,040	1,578
39	50	94.558	39.703,453	842.655,481	21,224	20,762	89	100	203	28,069	54,582	1,945	1,483
40	51	94.174	38.671,978	802.952,028	20,763	20,301	90	101	106	14,274	26,513	1,857	1,395
41	52	93.750	37.651,014	764.280,050	20,299	19,837	91	102	52	6,894	12,239	1,775	1,313
42	53	93.289	36.641,446	726.629,036	19,831	19,369	92	103	24	3,139	5,345	1,703	1,241
43	54	92.790	35.643,217	689.987,591	19,358	18,896	93	104	11	1,348	2,206	1,637	1,175
44	55	92.238	34.651,650	654.344,374	18,883	18,421	94	105	4	0,544	0,858	1,576	1,114
45	56	91.642	33.670,236	619.692,723	18,405	17,943	95	106					
46	57	90.993	32.696,206	586.022,487	17,923	17,461	96	107					
47	58	90.280	31.725,961	553.326,282	17,441	16,979	97	108					
48	59	89.508	30.762,684	521.600,320	16,956	16,494	98	109					
49	60	88.690	29.810,605	490.837,637	16,465	16,003	99	110					
							100	111					

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -12 Jahre

Zinsfuß 2,25%

Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	12	99.470	99.470,467	3.412.234,363	34,304	33,842	50	62	87.312	28.701,588	448.521,629	15,627	15,165
1	13	99.008	96.829,578	3.312.763,896	34,212	33,750	51	63	86.332	27.755,150	419.820,041	15,126	14,664
2	14	98.959	94.651,425	3.215.934,317	33,977	33,515	52	64	85.301	26.820,096	392.064,891	14,618	14,156
3	15	98.927	92.539,209	3.121.282,893	33,729	33,267	53	65	84.180	25.885,399	365.244,795	14,110	13,648
4	16	98.891	90.470,217	3.028.743,683	33,478	33,016	54	66	82.968	24.951,204	339.359,396	13,601	13,139
5	17	98.857	88.448,829	2.938.273,466	33,220	32,758	55	67	81.658	24.016,964	314.408,192	13,091	12,629
6	18	98.822	86.471,647	2.849.824,636	32,957	32,495	56	68	80.223	23.075,680	290.391,228	12,584	12,122
7	19	98.782	84.534,673	2.763.352,989	32,689	32,227	57	69	78.685	22.135,065	267.315,548	12,077	11,615
8	20	98.742	82.641,374	2.678.818,316	32,415	31,953	58	70	77.009	21.186,870	245.180,483	11,572	11,110
9	21	98.700	80.787,724	2.596.176,942	32,136	31,674	59	71	75.191	20.231,480	223.993,613	11,072	10,610
10	22	98.666	78.983,275	2.515.389,218	31,847	31,385	60	72	73.194	19.260,902	203.762,133	10,579	10,117
11	23	98.630	77.217,087	2.436.405,943	31,553	31,091	61	73	71.065	18.289,202	184.501,230	10,088	9,626
12	24	98.590	75.487,323	2.359.188,856	31,253	30,791	62	74	68.781	17.311,890	166.212,028	9,601	9,139
13	25	98.551	73.796,538	2.283.701,532	30,946	30,484	63	75	66.310	16.322,701	148.900,138	9,122	8,660
14	26	98.514	72.145,538	2.209.904,995	30,631	30,169	64	76	63.658	15.324,921	132.577,436	8,651	8,189
15	27	98.468	70.525,216	2.137.759,457	30,312	29,850	65	77	60.839	14.324,144	117.252,515	8,186	7,724
16	28	98.416	68.936,951	2.067.234,240	29,987	29,525	66	78	57.829	13.315,838	102.928,372	7,730	7,268
17	29	98.349	67.374,174	1.998.297,290	29,660	29,198	67	79	54.620	12.300,220	89.612,534	7,285	6,823
18	30	98.270	65.838,937	1.930.923,116	29,328	28,866	68	80	51.202	11.276,683	77.312,314	6,856	6,394
19	31	98.164	64.320,252	1.865.084,178	28,997	28,535	69	81	47.556	10.243,280	66.035,631	6,447	5,985
20	32	98.050	62.831,776	1.800.763,926	28,660	28,198	70	82	43.749	9.215,844	55.792,351	6,054	5,592
21	33	97.940	61.380,619	1.737.932,150	28,314	27,852	71	83	39.755	8.190,165	46.576,507	5,687	5,225
22	34	97.824	59.958,909	1.676.551,531	27,962	27,500	72	84	35.744	7.201,802	38.386,342	5,330	4,868
23	35	97.705	58.567,837	1.616.592,622	27,602	27,140	73	85	31.714	6.249,280	31.184,540	4,990	4,528
24	36	97.582	57.207,300	1.558.024,785	27,235	26,773	74	86	27.837	5.364,653	24.935,260	4,648	4,186
25	37	97.456	55.876,250	1.500.817,486	26,860	26,398	75	87	23.968	4.517,379	19.570,606	4,332	3,870
26	38	97.325	54.573,242	1.444.941,235	26,477	26,015	76	88	20.165	3.717,005	15.053,227	4,050	3,588
27	39	97.188	53.296,885	1.390.367,994	26,087	25,625	77	89	16.639	2.999,590	11.336,222	3,779	3,317
28	40	97.040	52.045,134	1.337.071,108	25,691	25,229	78	90	13.397	2.361,982	8.336,632	3,530	3,067
29	41	96.885	50.818,224	1.285.025,974	25,287	24,825	79	91	10.527	1.815,106	5.974,650	3,292	2,830
30	42	96.721	49.615,925	1.234.207,750	24,875	24,413	80	92	7.985	1.346,438	4.159,543	3,089	2,627
31	43	96.542	48.434,148	1.184.591,825	24,458	23,996	81	93	5.873	968,587	2.813,105	2,904	2,442
32	44	96.340	47.269,518	1.136.157,677	24,036	23,574	82	94	4.183	674,738	1.844,518	2,734	2,272
33	45	96.127	46.127,185	1.088.888,159	23,606	23,144	83	95	2.869	452,565	1.169,780	2,585	2,123
34	46	95.891	45.001,103	1.042.760,974	23,172	22,710	84	96	1.900	293,051	717,215	2,447	1,985
35	47	95.627	43.889,857	997.759,871	22,733	22,271	85	97	1.212	182,877	424,163	2,319	1,857
36	48	95.341	42.795,761	953.870,013	22,289	21,827	86	98	746	110,134	241,286	2,191	1,729
37	49	95.032	41.718,171	911.074,252	21,839	21,377	87	99	438	63,170	131,152	2,076	1,614
38	50	94.688	40.652,799	869.356,081	21,385	20,923	88	100	244	34,393	67,982	1,977	1,515
39	51	94.319	39.603,137	828.703,283	20,925	20,463	89	101	129	17,794	33,589	1,888	1,426
40	52	93.912	38.564,577	789.100,145	20,462	20,000	90	102	65	8,746	15,795	1,806	1,344
41	53	93.467	37.537,187	750.535,568	19,994	19,532	91	103	31	4,077	7,049	1,729	1,267
42	54	92.995	36.525,749	712.998,382	19,520	19,058	92	104	14	1,790	2,972	1,661	1,199
43	55	92.467	35.519,241	676.472,633	19,045	18,583	93	105	6	0,740	1,183	1,599	1,136
44	56	91.889	34.520,429	640.953,392	18,567	18,105	94	106					
45	57	91.274	33.535,060	606.432,962	18,084	17,622	95	107					
46	58	90.587	32.550,280	572.897,903	17,600	17,138	96	108					
47	59	89.845	31.573,181	540.347,623	17,114	16,652	97	109					
48	60	89.053	30.606,293	508.774,442	16,623	16,161	98	110					
49	61	88.202	29.646,520	478.168,149	16,129	15,667	99	111					
							100	112					

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -13 Jahre

Zinsfuß 2,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	13	99.462	99.462,020	3.396.201,602	34,146	33,684	50	63	86.762	28.520,972	435.485,741	15,269	14,807
1	14	98.999	96.820,196	3.296.739,582	34,050	33,588	51	64	85.745	27.566,364	406.964,769	14,763	14,301
2	15	98.947	94.640,396	3.199.919,386	33,811	33,349	52	65	84.677	26.623,966	379.398,405	14,250	13,788
3	16	98.910	92.522,675	3.105.278,990	33,562	33,100	53	66	83.493	25.673,983	352.774,439	13,741	13,279
4	17	98.871	90.451,058	3.012.756,315	33,308	32,846	54	67	82.217	24.725,232	327.100,456	13,229	12,767
5	18	98.836	88.429,369	2.922.305,257	33,047	32,585	55	68	80.828	23.772,832	302.375,224	12,719	12,257
6	19	98.794	86.446,779	2.833.875,888	32,782	32,320	56	69	79.306	22.811,750	278.602,392	12,213	11,751
7	20	98.755	84.511,240	2.747.429,109	32,510	32,048	57	70	77.681	21.852,662	255.790,642	11,705	11,243
8	21	98.711	82.615,271	2.662.917,869	32,233	31,771	58	71	75.914	20.885,730	233.937,980	11,201	10,739
9	22	98.675	80.767,957	2.580.302,598	31,947	31,485	59	72	73.972	19.903,482	213.052,250	10,704	10,242
10	23	98.639	78.961,891	2.499.534,641	31,655	31,193	60	73	71.874	18.913,646	193.148,769	10,212	9,750
11	24	98.604	77.196,941	2.420.572,749	31,356	30,894	61	74	69.617	17.916,608	174.235,123	9,725	9,263
12	25	98.563	75.466,815	2.343.375,809	31,052	30,590	62	75	67.216	16.917,842	156.318,515	9,240	8,778
13	26	98.526	73.778,379	2.267.908,994	30,739	30,277	63	76	64.591	15.899,494	139.400,673	8,768	8,306
14	27	98.486	72.125,340	2.194.130,615	30,421	29,959	64	77	61.815	14.881,290	123.501,179	8,299	7,837
15	28	98.439	70.504,663	2.122.005,275	30,097	29,635	65	78	58.860	13.858,143	108.619,889	7,838	7,376
16	29	98.387	68.916,489	2.051.500,612	29,768	29,306	66	79	55.686	12.822,325	94.761,746	7,390	6,928
17	30	98.320	67.354,453	1.982.584,123	29,435	28,973	67	80	52.323	11.782,797	81.939,421	6,954	6,492
18	31	98.238	65.817,381	1.915.229,670	29,099	28,637	68	81	48.708	10.727,346	70.156,624	6,540	6,078
19	32	98.129	64.297,277	1.849.412,289	28,763	28,301	69	82	44.905	9.672,280	59.429,278	6,144	5,682
20	33	98.015	62.809,435	1.785.115,013	28,421	27,959	70	83	40.922	8.620,278	49.756,998	5,772	5,310
21	34	97.901	61.356,093	1.722.305,578	28,071	27,609	71	84	36.906	7.603,275	41.136,720	5,410	4,948
22	35	97.778	59.930,799	1.660.949,486	27,714	27,252	72	85	32.871	6.623,054	33.533,445	5,063	4,601
23	36	97.655	58.537,853	1.601.018,687	27,350	26,888	73	86	28.961	5.706,689	26.910,391	4,716	4,254
24	37	97.527	57.174,951	1.542.480,834	26,978	26,516	74	87	25.031	4.823,819	21.203,702	4,396	3,934
25	38	97.397	55.841,986	1.485.305,883	26,598	26,136	75	88	21.143	3.984,881	16.379,883	4,111	3,648
26	39	97.257	54.535,067	1.429.463,897	26,212	25,750	76	89	17.513	3.228,119	12.395,002	3,840	3,378
27	40	97.110	53.254,234	1.374.928,830	25,818	25,356	77	90	14.173	2.554,977	9.166,883	3,588	3,126
28	41	96.956	51.999,856	1.321.674,595	25,417	24,955	78	91	11.207	1.975,888	6.611,907	3,346	2,884
29	42	96.789	50.767,991	1.269.674,740	25,009	24,547	79	92	8.554	1.474,955	4.636,019	3,143	2,681
30	43	96.612	49.560,123	1.218.906,749	24,595	24,132	80	93	6.345	1.069,893	3.161,063	2,955	2,493
31	44	96.416	48.371,280	1.169.346,626	24,174	23,712	81	94	4.558	751,633	2.091,170	2,782	2,320
32	45	96.206	47.203,718	1.120.975,346	23,748	23,286	82	95	3.166	510,682	1.339,537	2,623	2,161
33	46	95.975	46.054,027	1.073.771,627	23,315	22,853	83	96	2.115	333,642	828,855	2,484	2,022
34	47	95.718	44.920,282	1.027.717,601	22,879	22,417	84	97	1.362	210,166	495,214	2,356	1,894
35	48	95.441	43.804,507	982.797,319	22,436	21,974	85	98	845	127,419	285,048	2,237	1,775
36	49	95.139	42.705,037	938.992,812	21,988	21,526	86	99	505	74,454	157,629	2,117	1,655
37	50	94.803	41.617,767	896.287,775	21,536	21,074	87	100	287	41,381	83,175	2,010	1,548
38	51	94.449	40.550,084	854.670,008	21,077	20,615	88	101	154	21,803	41,794	1,917	1,455
39	52	94.057	39.493,150	814.119,923	20,614	20,152	89	102	79	10,903	19,991	1,834	1,372
40	53	93.628	38.447,988	774.626,774	20,147	19,685	90	103	38	5,172	9,088	1,757	1,295
41	54	93.172	37.418,662	736.178,786	19,674	19,212	91	104	18	2,324	3,916	1,685	1,223
42	55	92.671	36.398,703	698.760,124	19,197	18,735	92	105	8	0,982	1,592	1,621	1,159
43	56	92.117	35.384,735	662.361,421	18,719	18,257	93	106					
44	57	91.520	34.381,840	626.976,686	18,236	17,774	94	107					
45	58	90.867	33.385,390	592.594,846	17,750	17,288	95	108					
46	59	90.151	32.393,529	559.209,456	17,263	16,801	96	109					
47	60	89.388	31.412,669	526.815,927	16,771	16,309	97	110					
48	61	88.563	30.437,828	495.403,257	16,276	15,814	98	111					
49	62	87.705	29.479,689	464.965,429	15,772	15,310	99	112					
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -14 Jahre

Zinsfuß 2,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	14	99.452	99.452,383	3.379.406,089	33,980	33,518	50	64	86.172	28.326,977	421.936,758	14,895	14,433
1	15	98.987	96.808,914	3.279.953,706	33,881	33,419	51	65	85.118	27.364,776	393.609,781	14,384	13,922
2	16	98.929	94.623,486	3.183.144,792	33,640	33,178	52	66	83.985	26.406,518	366.245,005	13,869	13,407
3	17	98.889	92.503,082	3.088.521,305	33,388	32,926	53	67	82.737	25.441,464	339.838,487	13,358	12,896
4	18	98.849	90.431,157	2.996.018,224	33,130	32,668	54	68	81.381	24.473,900	314.397,022	12,846	12,384
5	19	98.807	88.403,937	2.905.587,067	32,867	32,405	55	69	79.904	23.509,929	289.923,123	12,337	11,875
6	20	98.766	86.422,815	2.817.183,130	32,598	32,136	56	70	78.294	22.520,714	266.422,194	11,830	11,368
7	21	98.723	84.484,546	2.730.760,314	32,323	31,861	57	71	76.577	21.542,058	243.901,480	11,322	10,860
8	22	98.687	82.595,057	2.646.275,768	32,039	31,577	58	72	74.683	20.547,125	222.359,422	10,822	10,360
9	23	98.649	80.746,090	2.563.680,710	31,750	31,288	59	73	72.638	19.544,640	201.812,297	10,326	9,864
10	24	98.614	78.941,290	2.482.934,620	31,453	30,991	60	74	70.410	18.528,330	182.267,657	9,837	9,375
11	25	98.578	77.175,968	2.403.993,330	31,150	30,687	61	75	68.033	17.508,795	163.739,327	9,352	8,890
12	26	98.539	75.448,245	2.326.817,362	30,840	30,378	62	76	65.473	16.479,204	146.230,532	8,874	8,412
13	27	98.499	73.757,724	2.251.369,117	30,524	30,062	63	77	62.721	15.439,230	129.751,328	8,404	7,942
14	28	98.457	72.104,321	2.177.611,393	30,201	29,739	64	78	59.804	14.397,164	114.312,098	7,940	7,478
15	29	98.410	70.483,736	2.105.507,073	29,872	29,410	65	79	56.679	13.344,531	99.914,934	7,487	7,025
16	30	98.358	68.896,316	2.035.023,337	29,537	29,075	66	80	53.343	12.282,939	86.570,403	7,048	6,586
17	31	98.288	67.332,400	1.966.127,021	29,200	28,738	67	81	49.774	11.208,805	74.287,464	6,628	6,166
18	32	98.203	65.793,870	1.898.794,621	28,860	28,398	68	82	45.993	10.129,362	63.078,658	6,227	5,765
19	33	98.094	64.274,414	1.833.000,751	28,518	28,056	69	83	42.003	9.047,217	52.949,296	5,853	5,391
20	34	97.976	62.784,337	1.768.726,337	28,171	27,709	70	84	37.989	8.002,567	43.902,079	5,486	5,024
21	35	97.855	61.327,328	1.705.941,999	27,817	27,355	71	85	33.940	6.992,264	35.899,512	5,134	4,672
22	36	97.728	59.900,117	1.644.614,672	27,456	26,994	72	86	30.017	6.048,017	28.907,248	4,780	4,318
23	37	97.599	58.504,752	1.584.714,555	27,087	26,625	73	87	26.041	5.131,372	22.859,238	4,455	3,993
24	38	97.467	57.139,890	1.526.209,803	26,710	26,248	74	88	22.080	4.255,198	17.727,865	4,166	3,704
25	39	97.328	55.802,924	1.469.069,912	26,326	25,864	75	89	18.362	3.460,761	13.472,667	3,893	3,431
26	40	97.179	54.491,425	1.413.266,989	25,936	25,474	76	90	14.917	2.749,631	10.011,906	3,641	3,179
27	41	97.025	53.207,904	1.358.775,564	25,537	25,075	77	91	11.856	2.137,335	7.262,274	3,398	2,936
28	42	96.860	51.948,455	1.305.567,660	25,132	24,670	78	92	9.107	1.605,607	5.124,939	3,192	2,730
29	43	96.680	50.710,893	1.253.619,205	24,721	24,259	79	93	6.797	1.172,014	3.519,332	3,003	2,541
30	44	96.487	49.495,793	1.202.908,312	24,303	23,841	80	94	4.923	830,247	2.347,318	2,827	2,365
31	45	96.282	48.303,947	1.153.412,519	23,878	23,416	81	95	3.449	568,880	1.517,071	2,667	2,205
32	46	96.053	47.128,853	1.105.108,572	23,449	22,987	82	96	2.334	376,487	948,191	2,519	2,057
33	47	95.802	45.971,315	1.057.979,719	23,014	22,552	83	97	1.517	239,276	571,704	2,389	1,927
34	48	95.532	44.832,928	1.012.008,404	22,573	22,111	84	98	949	146,432	332,428	2,270	1,808
35	49	95.239	43.711,644	967.175,476	22,126	21,664	85	99	571	86,139	185,996	2,159	1,697
36	50	94.910	42.602,258	923.463,832	21,676	21,214	86	100	331	48,773	99,857	2,047	1,585
37	51	94.563	41.512,614	880.861,574	21,219	20,757	87	101	182	26,233	51,084	1,947	1,485
38	52	94.187	40.437,467	839.348,960	20,757	20,295	88	102	95	13,359	24,851	1,860	1,398
39	53	93.773	39.373,754	798.911,493	20,290	19,828	89	103	47	6,448	11,492	1,782	1,320
40	54	93.332	38.326,587	759.537,739	19,818	19,356	90	104	22	2,949	5,044	1,711	1,249
41	55	92.848	37.288,510	721.211,152	19,341	18,879	91	105	10	1,276	2,096	1,643	1,181
42	56	92.320	36.260,866	683.922,642	18,861	18,399	92	106					
43	57	91.747	35.242,675	647.661,775	18,377	17,915	93	107					
44	58	91.111	34.228,390	612.419,100	17,892	17,430	94	108					
45	59	90.429	33.224,618	578.190,710	17,402	16,940	95	109					
46	60	89.693	32.228,848	544.966,092	16,909	16,447	96	110					
47	61	88.896	31.239,766	512.737,244	16,413	15,951	97	111					
48	62	88.065	30.266,544	481.497,478	15,909	15,447	98	112					
49	63	87.153	29.294,176	451.230,934	15,403	14,941	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -15 Jahre

Zinsfuß 2,25%

Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	15	99.441	99.440,794	3.361.843,286	33,807	33,345	50	65	85.542	28.119,827	407.888,707	14,505	14,043
1	16	98.969	96.791,618	3.262.402,492	33,705	33,243	51	66	84.423	27.141,278	379.768,880	13,992	13,530
2	17	98.908	94.603,447	3.165.610,874	33,462	33,000	52	67	83.225	26.167,365	352.627,602	13,476	13,014
3	18	98.867	92.482,729	3.071.007,427	33,206	32,744	53	68	81.896	25.182,852	326.460,237	12,964	12,502
4	19	98.820	90.405,150	2.978.524,698	32,946	32,484	54	69	80.450	24.193,978	301.277,385	12,453	11,991
5	20	98.780	88.379,431	2.888.119,548	32,679	32,217	55	70	78.884	23.201,100	277.083,407	11,943	11,481
6	21	98.735	86.395,518	2.799.740,117	32,406	31,944	56	71	77.181	22.200,615	253.882,307	11,436	10,974
7	22	98.699	84.463,875	2.713.344,599	32,124	31,662	57	72	75.335	21.192,812	231.681,692	10,932	10,470
8	23	98.660	82.572,695	2.628.880,723	31,837	31,375	58	73	73.337	20.176,679	210.488,880	10,432	9,970
9	24	98.623	80.725,023	2.546.308,028	31,543	31,081	59	74	71.158	19.146,469	190.312,201	9,940	9,478
10	25	98.587	78.919,843	2.465.583,005	31,242	30,780	60	75	68.807	18.106,593	171.165,732	9,453	8,991
11	26	98.553	77.156,978	2.386.663,162	30,933	30,471	61	76	66.269	17.054,835	153.059,139	8,975	8,513
12	27	98.512	75.427,123	2.309.506,184	30,619	30,157	62	77	63.578	16.002,158	136.004,303	8,499	8,037
13	28	98.470	73.736,228	2.234.079,061	30,298	29,836	63	78	60.681	14.936,953	120.002,145	8,034	7,572
14	29	98.428	72.082,919	2.160.342,833	29,970	29,508	64	79	57.587	13.863,575	105.065,192	7,579	7,116
15	30	98.381	70.463,105	2.088.259,914	29,636	29,174	65	80	54.294	12.783,178	91.201,617	7,135	6,672
16	31	98.326	68.873,758	2.017.796,809	29,297	28,835	66	81	50.745	11.684,583	78.418,439	6,711	6,249
17	32	98.253	67.308,348	1.948.923,051	28,955	28,493	67	82	46.999	10.583,983	66.733,855	6,305	5,843
18	33	98.168	65.770,475	1.881.614,703	28,609	28,147	68	83	43.020	9.474,761	56.149,872	5,926	5,464
19	34	98.055	64.248,731	1.815.844,228	28,263	27,801	69	84	38.993	8.398,912	46.675,111	5,557	5,095
20	35	97.930	62.754,903	1.751.595,496	27,912	27,450	70	85	34.936	7.359,468	38.276,199	5,201	4,739
21	36	97.805	61.295,931	1.688.840,593	27,552	27,090	71	86	30.993	6.385,163	30.916,730	4,842	4,380
22	37	97.673	59.866,246	1.627.544,662	27,186	26,724	72	87	26.991	5.438,284	24.531,567	4,511	4,049
23	38	97.540	58.468,876	1.567.678,417	26,812	26,350	73	88	22.971	4.526,498	19.093,283	4,218	3,756
24	39	97.399	57.099,920	1.509.209,541	26,431	25,969	74	89	19.176	3.695,525	14.566,785	3,942	3,480
25	40	97.251	55.758,267	1.452.109,621	26,043	25,581	75	90	15.640	2.947,790	10.871,260	3,688	3,226
26	41	97.095	54.444,018	1.396.351,354	25,647	25,185	76	91	12.479	2.300,171	7.923,470	3,445	2,983
27	42	96.930	53.155,309	1.341.907,335	25,245	24,783	77	92	9.634	1.736,799	5.623,298	3,238	2,776
28	43	96.751	51.890,030	1.288.752,027	24,836	24,374	78	93	7.237	1.275,831	3.886,500	3,046	2,584
29	44	96.555	50.645,070	1.236.861,997	24,422	23,960	79	94	5.275	909,494	2.610,669	2,870	2,408
30	45	96.352	49.426,895	1.186.216,928	23,999	23,537	80	95	3.726	628,380	1.701,175	2,707	2,245
31	46	96.129	48.227,336	1.136.790,033	23,571	23,109	81	96	2.543	419,392	1.072,794	2,558	2,096
32	47	95.881	47.044,210	1.088.562,697	23,139	22,677	82	97	1.674	270,003	653,403	2,420	1,958
33	48	95.616	45.881,917	1.041.518,486	22,700	22,238	83	98	1.057	166,714	383,400	2,300	1,838
34	49	95.330	44.737,885	995.636,570	22,255	21,793	84	99	642	98,992	216,685	2,189	1,727
35	50	95.009	43.606,443	950.898,685	21,806	21,344	85	100	374	56,427	117,693	2,086	1,624
36	51	94.670	42.494,618	907.292,242	21,351	20,889	86	101	210	30,919	61,266	1,981	1,519
37	52	94.301	41.397,324	864.797,624	20,890	20,428	87	102	111	16,073	30,347	1,888	1,426
38	53	93.902	40.315,216	823.400,301	20,424	19,962	88	103	56	7,900	14,273	1,807	1,345
39	54	93.477	39.249,429	783.085,084	19,952	19,489	89	104	27	3,676	6,373	1,734	1,272
40	55	93.008	38.193,278	743.835,655	19,476	19,014	90	105	12	1,618	2,697	1,666	1,204
41	56	92.496	37.147,304	705.642,377	18,996	18,534	91	106					
42	57	91.950	36.115,289	668.495,073	18,510	18,048	92	107					
43	58	91.337	35.085,384	632.379,784	18,024	17,562	93	108					
44	59	90.673	34.063,559	597.294,400	17,535	17,073	94	109					
45	60	89.970	33.055,711	563.230,840	17,039	16,577	95	110					
46	61	89.199	32.051,452	530.175,129	16,541	16,079	96	111					
47	62	88.396	31.063,969	498.123,677	16,035	15,573	97	112					
48	63	87.511	30.076,080	467.059,708	15,529	15,067	98						
49	64	86.560	29.094,922	436.983,628	15,019	14,557	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -16 Jahre

Zinsfuß 2,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	16	99.423	99.423,027	3.343.510,260	33,629	33,167	50	66	84.843	27.890,162	393.356,675	14,104	13,642
1	17	98.948	96.771,120	3.244.087,233	33,523	33,061	51	67	83.658	26.895,471	365.466,514	13,588	13,126
2	18	98.887	94.582,633	3.147.316,114	33,276	32,814	52	68	82.379	25.901,374	338.571,043	13,072	12,610
3	19	98.838	92.456,132	3.052.733,481	33,018	32,556	53	69	80.959	24.894,821	312.669,669	12,560	12,098
4	20	98.793	90.380,089	2.960.277,349	32,754	32,292	54	70	79.424	23.885,307	287.774,848	12,048	11,586
5	21	98.749	88.351,516	2.869.897,260	32,483	32,021	55	71	77.763	22.871,330	263.889,541	11,538	11,076
6	22	98.711	86.374,380	2.781.545,744	32,203	31,741	56	72	75.930	21.840,693	241.018,211	11,035	10,573
7	23	98.673	84.441,008	2.695.171,364	31,918	31,456	57	73	73.977	20.810,725	219.177,518	10,532	10,070
8	24	98.635	82.551,152	2.610.730,357	31,626	31,164	58	74	71.843	19.765,632	198.366,793	10,036	9,574
9	25	98.596	80.703,092	2.528.179,205	31,327	30,865	59	75	69.538	18.710,663	178.601,161	9,545	9,083
10	26	98.563	78.900,424	2.447.476,113	31,020	30,558	60	76	67.023	17.637,134	159.890,499	9,066	8,604
11	27	98.526	77.135,377	2.368.575,690	30,707	30,245	61	77	64.351	16.561,126	142.253,365	8,590	8,128
12	28	98.483	75.405,141	2.291.440,313	30,388	29,926	62	78	61.509	15.481,568	125.692,238	8,119	7,657
13	29	98.441	73.714,342	2.216.035,172	30,062	29,600	63	79	58.432	14.383,358	110.210,670	7,662	7,200
14	30	98.399	72.061,819	2.142.320,830	29,729	29,267	64	80	55.165	13.280,388	95.827,312	7,216	6,754
15	31	98.349	70.440,034	2.070.259,011	29,390	28,928	65	81	51.649	12.160,454	82.546,925	6,788	6,326
16	32	98.291	68.849,156	1.999.818,977	29,046	28,584	66	82	47.916	11.033,239	70.386,471	6,379	5,917
17	33	98.218	67.284,415	1.930.969,821	28,699	28,237	67	83	43.962	9.900,002	59.353,232	5,995	5,533
18	34	98.129	65.744,195	1.863.685,406	28,348	27,886	68	84	39.938	8.795,820	49.453,229	5,622	5,160
19	35	98.009	64.218,610	1.797.941,211	27,997	27,535	69	85	35.860	7.723,963	40.657,410	5,264	4,802
20	36	97.879	62.722,775	1.733.722,600	27,641	27,179	70	86	31.903	6.720,485	32.933,447	4,900	4,438
21	37	97.750	61.261,271	1.670.999,825	27,277	26,815	71	87	27.869	5.741,447	26.212,961	4,566	4,104
22	38	97.613	59.829,535	1.609.738,555	26,905	26,443	72	88	23.809	4.797,231	20.471,515	4,267	3,805
23	39	97.471	58.427,976	1.549.909,020	26,527	26,065	73	89	19.950	3.931,141	15.674,283	3,987	3,525
24	40	97.321	57.054,226	1.491.481,044	26,141	25,679	74	90	16.334	3.147,756	11.743,142	3,731	3,269
25	41	97.166	55.709,758	1.434.426,819	25,748	25,286	75	91	13.084	2.465,939	8.595,386	3,486	3,024
26	42	96.999	54.390,201	1.378.717,060	25,349	24,887	76	92	10.140	1.869,119	6.129,447	3,279	2,817
27	43	96.821	53.095,526	1.324.326,859	24,942	24,480	77	93	7.656	1.380,078	4.260,327	3,087	2,625
28	44	96.626	51.822,675	1.271.231,333	24,530	24,068	78	94	5.616	990,057	2.880,250	2,909	2,447
29	45	96.420	50.574,571	1.219.408,658	24,111	23,649	79	95	3.992	688,359	1.890,193	2,746	2,284
30	46	96.200	49.348,503	1.168.834,086	23,685	23,223	80	96	2.747	463,257	1.201,834	2,594	2,132
31	47	95.957	48.140,721	1.119.485,583	23,254	22,792	81	97	1.824	300,773	738,577	2,456	1,994
32	48	95.694	46.952,726	1.071.344,862	22,818	22,356	82	98	1.166	188,123	437,804	2,327	1,865
33	49	95.413	45.784,650	1.024.392,136	22,374	21,912	83	99	714	112,703	249,681	2,215	1,753
34	50	95.100	44.630,213	978.607,486	21,927	21,465	84	100	420	64,847	136,978	2,112	1,650
35	51	94.769	43.496,265	933.977,273	21,473	21,011	85	101	237	35,772	72,130	2,016	1,554
36	52	94.407	42.376,600	890.481,008	21,014	20,551	86	102	128	18,944	36,358	1,919	1,457
37	53	94.016	41.272,171	848.104,408	20,549	20,087	87	103	66	9,506	17,414	1,832	1,370
38	54	93.606	40.187,919	806.832,237	20,076	19,614	88	104	32	4,504	7,908	1,756	1,294
39	55	93.151	39.112,911	766.644,318	19,601	19,139	89	105	15	2,018	3,404	1,687	1,225
40	56	92.656	38.048,645	727.531,407	19,121	18,659	90	106					
41	57	92.125	36.998,168	689.482,762	18,636	18,174	91	107					
42	58	91.539	35.954,104	652.484,594	18,148	17,686	92	108					
43	59	90.898	34.916,426	616.530,490	17,657	17,195	93	109					
44	60	90.212	33.890,387	581.614,064	17,162	16,700	94	110					
45	61	89.474	32.873,764	547.723,677	16,661	16,199	95	111					
46	62	88.697	31.871,087	514.849,912	16,154	15,692	96	112					
47	63	87.840	30.868,487	482.978,825	15,646	15,184	97						
48	64	86.915	29.871,507	452.110,338	15,135	14,673	98						
49	65	85.927	28.882,156	422.238,831	14,619	14,157	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -17 Jahre

Zinsfuß 2,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	17	99.402	99.401,972	3.324.409,093	33,444	32,982	50	67	84.075	27.637,572	378.366,478	13,690	13,228
1	18	98.927	96.749,828	3.225.007,121	33,333	32,871	51	68	82.808	26.622,078	350.728,906	13,174	12,712
2	19	98.858	94.555,432	3.128.257,293	33,084	32,622	52	69	81.437	25.605,125	324.106,828	12,658	12,196
3	20	98.811	92.430,502	3.033.701,861	32,821	32,359	53	70	79.926	24.577,209	298.501,702	12,145	11,683
4	21	98.762	90.351,542	2.941.271,359	32,554	32,092	54	71	78.295	23.545,812	273.924,494	11,634	11,172
5	22	98.724	88.329,899	2.850.919,817	32,276	31,814	55	72	76.502	22.500,534	250.378,681	11,128	10,666
6	23	98.684	86.350,995	2.762.589,918	31,993	31,531	56	73	74.561	21.446,924	227.878,148	10,625	10,163
7	24	98.647	84.418,976	2.676.238,924	31,702	31,240	57	74	72.470	20.386,761	206.431,223	10,126	9,664
8	25	98.608	82.528,724	2.591.819,947	31,405	30,943	58	75	70.208	19.315,732	186.044,462	9,632	9,170
9	26	98.572	80.683,234	2.509.291,223	31,101	30,639	59	76	67.735	18.225,541	166.728,730	9,148	8,686
10	27	98.535	78.878,335	2.428.607,989	30,789	30,327	60	77	65.083	17.126,568	148.503,188	8,671	8,209
11	28	98.497	77.112,897	2.349.729,655	30,471	30,009	61	78	62.257	16.022,351	131.376,620	8,200	7,738
12	29	98.454	75.382,759	2.272.616,758	30,148	29,686	62	79	59.230	14.907,788	115.354,269	7,738	7,276
13	30	98.412	73.692,765	2.197.233,999	29,816	29,354	63	80	55.974	13.778,306	100.446,480	7,290	6,828
14	31	98.367	72.038,225	2.123.541,233	29,478	29,016	64	81	52.478	12.633,442	86.668,175	6,860	6,398
15	32	98.314	70.414,872	2.051.503,008	29,135	28,672	65	82	48.770	11.482,583	74.034,733	6,448	5,986
16	33	98.256	68.824,675	1.981.088,136	28,785	28,323	66	83	44.820	10.320,226	62.552,150	6,061	5,599
17	34	98.179	67.257,529	1.912.263,461	28,432	27,970	67	84	40.812	9.190,589	52.231,924	5,683	5,221
18	35	98.083	65.713,373	1.845.005,932	28,077	27,615	68	85	36.728	8.088,974	43.041,335	5,321	4,859
19	36	97.958	64.185,733	1.779.292,559	27,721	27,259	69	86	32.746	7.053,333	34.952,361	4,955	4,493
20	37	97.824	62.687,308	1.715.106,826	27,360	26,898	70	87	28.687	6.042,964	27.899,029	4,617	4,155
21	38	97.690	61.223,704	1.652.419,518	26,990	26,528	71	88	24.584	5.064,658	21.856,065	4,315	3,853
22	39	97.545	59.787,683	1.591.195,814	26,614	26,152	72	89	20.678	4.166,266	16.791,407	4,030	3,568
23	40	97.393	58.381,218	1.531.408,131	26,231	25,769	73	90	16.993	3.348,449	12.625,141	3,770	3,308
24	41	97.237	57.004,589	1.473.026,912	25,840	25,378	74	91	13.664	2.633,218	9.276,692	3,523	3,061
25	42	97.070	55.654,690	1.416.022,323	25,443	24,981	75	92	10.632	2.003,822	6.643,474	3,315	2,853
26	43	96.890	54.329,030	1.360.367,633	25,039	24,577	76	93	8.058	1.485,221	4.639,652	3,124	2,662
27	44	96.695	53.026,607	1.306.038,603	24,630	24,168	77	94	5.941	1.070,953	3.154,431	2,945	2,483
28	45	96.491	51.750,538	1.253.011,996	24,213	23,751	78	95	4.250	749,334	2.083,478	2,780	2,318
29	46	96.267	50.494,360	1.201.261,458	23,790	23,328	79	96	2.943	507,474	1.334,145	2,629	2,167
30	47	96.027	49.259,874	1.150.767,099	23,361	22,899	80	97	1.970	332,231	826,670	2,488	2,026
31	48	95.770	48.047,104	1.101.507,224	22,926	22,464	81	98	1.271	209,562	494,439	2,359	1,897
32	49	95.492	46.853,189	1.053.460,120	22,484	22,022	82	99	788	127,177	284,877	2,240	1,778
33	50	95.184	45.674,459	1.006.606,931	22,039	21,577	83	100	468	73,829	157,700	2,136	1,674
34	51	94.860	44.517,449	960.932,472	21,586	21,124	84	101	266	41,110	83,871	2,040	1,578
35	52	94.506	43.375,466	916.415,022	21,127	20,665	85	102	145	21,918	42,761	1,951	1,489
36	53	94.122	42.248,487	873.039,557	20,664	20,202	86	103	76	11,204	20,844	1,860	1,398
37	54	93.719	41.141,852	830.791,070	20,193	19,731	87	104	38	5,419	9,640	1,779	1,317
38	55	93.280	40.048,136	789.649,218	19,718	19,255	88	105	18	2,472	4,221	1,707	1,245
39	56	92.799	38.964,795	749.601,082	19,238	18,776	89						
40	57	92.284	37.895,891	710.636,286	18,752	18,290	90						
41	58	91.714	36.833,042	672.740,396	18,265	17,803	91						
42	59	91.099	35.780,962	635.907,354	17,772	17,310	92						
43	60	90.435	34.738,918	600.126,392	17,275	16,813	93						
44	61	89.715	33.703,846	565.387,473	16,775	16,313	94						
45	62	88.971	32.688,772	531.683,627	16,265	15,803	95						
46	63	88.139	31.670,526	498.994,855	15,756	15,294	96						
47	64	87.242	30.658,524	467.324,329	15,243	14,781	97						
48	65	86.280	29.653,062	436.665,805	14,726	14,264	98						
49	66	85.226	28.646,264	407.012,743	14,208	13,746	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -18 Jahre

Zinsfuß 2,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	18	99.380	99.380,101	3.304.539,536	33,252	32,790	50	68	83.220	27.356,636	362.945,566	13,267	12,805
1	19	98.898	96.722,004	3.205.159,435	33,138	32,676	51	69	81.861	26.317,587	335.588,930	12,752	12,289
2	20	98.831	94.529,220	3.108.437,432	32,883	32,421	52	70	80.398	25.278,450	309.271,343	12,235	11,773
3	21	98.780	92.401,308	3.013.908,211	32,618	32,156	53	71	78.790	24.227,880	283.992,893	11,722	11,260
4	22	98.738	90.329,435	2.921.506,904	32,343	31,881	54	72	77.025	23.164,081	259.765,013	11,214	10,752
5	23	98.698	88.305,985	2.831.177,468	32,061	31,599	55	73	75.123	22.094,869	236.600,932	10,708	10,246
6	24	98.658	86.328,465	2.742.871,484	31,773	31,310	56	74	73.042	21.010,000	214.506,063	10,210	9,748
7	25	98.620	84.396,042	2.656.543,019	31,477	31,015	57	75	70.820	19.922,724	193.496,063	9,712	9,250
8	26	98.584	82.508,417	2.572.146,977	31,174	30,712	58	76	68.387	18.814,923	173.573,339	9,225	8,763
9	27	98.544	80.660,646	2.489.638,560	30,866	30,404	59	77	65.775	17.697,942	154.758,416	8,744	8,282
10	28	98.506	78.855,347	2.408.977,915	30,549	30,087	60	78	62.966	16.569,398	137.060,474	8,272	7,810
11	29	98.468	77.090,008	2.330.122,568	30,226	29,764	61	79	59.950	15.428,529	120.491,076	7,810	7,348
12	30	98.425	75.360,694	2.253.032,559	29,897	29,435	62	80	56.738	14.280,675	105.062,547	7,357	6,895
13	31	98.380	73.668,637	2.177.671,865	29,560	29,098	63	81	53.247	13.107,104	90.781,872	6,926	6,464
14	32	98.332	72.012,492	2.104.003,228	29,217	28,755	64	82	49.552	11.929,205	77.674,768	6,511	6,049
15	33	98.279	70.389,834	2.031.990,736	28,868	28,406	65	83	45.619	10.740,531	65.745,563	6,121	5,659
16	34	98.216	68.797,174	1.961.600,902	28,513	28,051	66	84	41.608	9.580,700	55.005,032	5,741	5,279
17	35	98.133	67.225,998	1.892.803,728	28,156	27,694	67	85	37.532	8.452,019	45.424,332	5,374	4,912
18	36	98.033	65.679,731	1.825.577,730	27,795	27,333	68	86	33.539	7.386,652	36.972,313	5,005	4,543
19	37	97.903	64.149,439	1.759.897,999	27,434	26,972	69	87	29.445	6.342,255	29.585,661	4,665	4,203
20	38	97.764	62.648,867	1.695.748,561	27,068	26,605	70	88	25.305	5.330,633	23.243,406	4,360	3,898
21	39	97.621	61.180,877	1.633.099,694	26,693	26,231	71	89	21.350	4.398,519	17.912,773	4,072	3,610
22	40	97.467	59.739,837	1.571.918,816	26,313	25,851	72	90	17.613	3.548,722	13.514,254	3,808	3,346
23	41	97.309	58.330,428	1.512.178,979	25,924	25,462	73	91	14.215	2.801,105	9.965,532	3,558	3,096
24	42	97.140	56.948,241	1.453.848,551	25,529	25,067	74	92	11.103	2.139,753	7.164,428	3,348	2,886
25	43	96.961	55.592,097	1.396.900,310	25,128	24,666	75	93	8.448	1.592,257	5.024,674	3,156	2,694
26	44	96.764	54.258,510	1.341.308,214	24,721	24,259	76	94	6.253	1.152,545	3.432,417	2,978	2,516
27	45	96.560	52.952,794	1.287.049,704	24,306	23,844	77	95	4.496	810,561	2.279,872	2,813	2,351
28	46	96.338	51.668,461	1.234.096,910	23,885	23,423	78	96	3.133	552,427	1.469,311	2,660	2,198
29	47	96.094	50.403,673	1.182.428,449	23,459	22,997	79	97	2.111	363,943	916,885	2,519	2,057
30	48	95.840	49.164,081	1.132.024,777	23,025	22,563	80	98	1.373	231,480	552,942	2,389	1,927
31	49	95.567	47.945,247	1.082.860,695	22,585	22,123	81	99	859	141,670	321,462	2,269	1,807
32	50	95.262	46.740,427	1.034.915,448	22,142	21,680	82	100	517	83,310	179,792	2,158	1,696
33	51	94.943	45.559,057	988.175,021	21,690	21,228	83	101	297	46,804	96,482	2,061	1,599
34	52	94.597	44.393,814	942.615,965	21,233	20,771	84	102	163	25,188	49,678	1,972	1,510
35	53	94.220	43.244,333	898.222,151	20,771	20,309	85	103	86	12,962	24,490	1,889	1,427
36	54	93.825	42.115,085	854.977,818	20,301	19,839	86	104	43	6,387	11,528	1,805	1,343
37	55	93.393	40.998,751	812.862,733	19,827	19,365	87	105	21	2,974	5,141	1,728	1,266
38	56	92.927	39.896,479	771.863,982	19,347	18,885	88	106					
39	57	92.426	38.808,363	731.967,503	18,861	18,399	89	107					
40	58	91.872	37.726,758	693.159,140	18,373	17,911	90	108					
41	59	91.272	36.655,668	655.432,382	17,881	17,419	91	109					
42	60	90.635	35.599,059	618.776,714	17,382	16,920	92	110					
43	61	89.938	34.547,707	583.177,655	16,880	16,418	93	111					
44	62	89.210	33.514,183	548.629,948	16,370	15,908	94	112					
45	63	88.411	32.483,065	515.115,765	15,858	15,396	95						
46	64	87.539	31.455,108	482.632,700	15,344	14,882	96						
47	65	86.604	30.434,324	451.177,592	14,825	14,363	97						
48	66	85.575	29.410,875	420.743,268	14,306	13,844	98						
49	67	84.454	28.386,827	391.332,393	13,786	13,324	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -19 Jahre

Zinsfuß 2,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	19	99.352	99.351,520	3.283.899,175	33,053	32,591	50	69	82.268	27.043,743	347.128,031	12,836	12,374
1	20	98.871	96.695,192	3.184.547,654	32,934	32,472	51	70	80.816	25.981,822	320.084,288	12,320	11,858
2	21	98.800	94.499,363	3.087.852,463	32,676	32,214	52	71	79.255	24.919,154	294.102,466	11,802	11,340
3	22	98.756	92.378,700	2.993.353,100	32,403	31,941	53	72	77.513	23.835,091	269.183,311	11,294	10,832
4	23	98.711	90.304,979	2.900.974,400	32,124	31,662	54	73	75.637	22.746,453	245.348,221	10,786	10,324
5	24	98.672	88.282,945	2.810.669,421	31,837	31,375	55	74	73.593	21.644,745	222.601,767	10,284	9,822
6	25	98.632	86.305,012	2.722.386,476	31,544	31,082	56	75	71.379	20.531,776	200.957,023	9,788	9,326
7	26	98.596	84.375,275	2.636.081,464	31,242	30,780	57	76	68.984	19.406,177	180.425,247	9,297	8,835
8	27	98.556	82.485,318	2.551.706,190	30,935	30,473	58	77	66.408	18.270,262	161.019,070	8,813	8,351
9	28	98.516	80.637,138	2.469.220,872	30,621	30,159	59	78	63.635	17.122,184	142.748,808	8,337	7,875
10	29	98.477	78.831,941	2.388.583,733	30,300	29,838	60	79	60.632	15.955,301	125.626,624	7,874	7,412
11	30	98.439	77.067,443	2.309.751,792	29,971	29,509	61	80	57.428	14.779,510	109.671,323	7,420	6,958
12	31	98.393	75.336,020	2.232.684,349	29,636	29,174	62	81	53.974	13.585,001	94.891,813	6,985	6,523
13	32	98.345	73.642,322	2.157.348,329	29,295	28,833	63	82	50.279	12.376,463	81.306,811	6,569	6,107
14	33	98.297	71.986,886	2.083.706,008	28,946	28,484	64	83	46.350	11.158,290	68.930,348	6,178	5,715
15	34	98.239	70.361,708	2.011.719,121	28,591	28,129	65	84	42.350	9.970,887	57.772,058	5,794	5,332
16	35	98.170	68.764,921	1.941.357,413	28,232	27,770	66	85	38.264	8.810,780	47.801,171	5,425	4,963
17	36	98.082	67.191,581	1.872.592,492	27,869	27,407	67	86	34.273	7.718,175	38.990,391	5,052	4,590
18	37	97.977	65.642,591	1.805.400,911	27,503	27,041	68	87	30.158	6.641,971	31.272,215	4,708	4,246
19	38	97.843	64.110,101	1.739.758,320	27,137	26,675	69	88	25.974	5.594,645	24.630,244	4,402	3,940
20	39	97.696	62.605,043	1.675.648,219	26,765	26,303	70	89	21.977	4.629,511	19.035,600	4,112	3,650
21	40	97.543	61.131,917	1.613.043,176	26,386	25,924	71	90	18.186	3.746,549	14.406,089	3,845	3,383
22	41	97.382	59.687,865	1.551.911,259	26,000	25,538	72	91	14.734	2.968,641	10.659,540	3,591	3,129
23	42	97.212	58.272,769	1.492.223,394	25,608	25,146	73	92	11.551	2.276,178	7.690,899	3,379	2,917
24	43	97.031	56.884,193	1.433.950,625	25,208	24,746	74	93	8.823	1.700,269	5.414,721	3,185	2,723
25	44	96.835	55.519,937	1.377.066,432	24,803	24,341	75	94	6.556	1.235,606	3.714,452	3,006	2,544
26	45	96.629	54.182,982	1.321.546,495	24,390	23,928	76	95	4.732	872,315	2.478,845	2,842	2,380
27	46	96.407	52.868,810	1.267.363,514	23,972	23,510	77	96	3.315	597,564	1.606,531	2,688	2,226
28	47	96.165	51.575,665	1.214.494,704	23,548	23,086	78	97	2.247	396,181	1.008,966	2,547	2,085
29	48	95.908	50.305,655	1.162.919,038	23,117	22,655	79	98	1.471	253,575	612,786	2,417	1,955
30	49	95.637	49.059,857	1.112.613,383	22,679	22,217	80	99	928	156,487	359,210	2,295	1,833
31	50	95.337	47.829,856	1.063.553,526	22,236	21,774	81	100	563	92,804	202,723	2,184	1,722
32	51	95.021	46.622,331	1.015.723,670	21,786	21,324	82	101	327	52,814	109,919	2,081	1,619
33	52	94.680	45.432,528	969.101,339	21,331	20,869	83	102	182	28,677	57,105	1,991	1,529
34	53	94.311	44.259,602	923.668,811	20,869	20,407	84	103	97	14,896	28,428	1,908	1,446
35	54	93.923	43.107,787	879.409,209	20,400	19,938	85	104	49	7,390	13,532	1,831	1,369
36	55	93.498	41.968,599	836.301,422	19,927	19,465	86	105	24	3,506	6,142	1,752	1,290
37	56	93.039	40.843,495	794.332,823	19,448	18,986	87	106					
38	57	92.554	39.736,306	753.489,328	18,962	18,500	88	107					
39	58	92.014	38.635,158	713.753,022	18,474	18,012	89	108					
40	59	91.429	37.545,080	675.117,865	17,982	17,520	90	109					
41	60	90.808	36.469,318	637.572,785	17,482	17,020	91	110					
42	61	90.137	35.403,113	601.103,467	16,979	16,517	92	111					
43	62	89.432	34.353,294	565.700,353	16,467	16,005	93	112					
44	63	88.649	33.303,282	531.347,059	15,955	15,493	94						
45	64	87.810	32.262,121	498.043,777	15,437	14,975	95						
46	65	86.899	31.225,083	465.781,657	14,917	14,455	96						
47	66	85.897	30.185,756	434.556,574	14,396	13,934	97						
48	67	84.800	29.144,513	404.370,819	13,875	13,413	98						
49	68	83.595	28.098,275	375.226,306	13,354	12,892	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -20 Jahre

Zinsfuß 2,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	20	99.324	99.323,980	3.262.491,817	32,847	32,385	50	70	81.219	26.698,714	330.952,741	12,396	11,934
1	21	98.840	96.664,650	3.163.167,838	32,723	32,261	51	71	79.668	25.612,529	304.254,027	11,879	11,417
2	22	98.776	94.476,241	3.066.503,188	32,458	31,996	52	72	77.970	24.515,158	278.641,498	11,366	10,904
3	23	98.729	92.353,689	2.972.026,946	32,181	31,719	53	73	76.115	23.405,365	254.126,340	10,858	10,396
4	24	98.685	90.281,418	2.879.673,257	31,897	31,435	54	74	74.096	22.283,054	230.720,975	10,354	9,892
5	25	98.645	88.258,960	2.789.391,839	31,605	31,143	55	75	71.918	21.152,073	208.437,920	9,854	9,392
6	26	98.607	86.283,775	2.701.132,879	31,305	30,843	56	76	69.529	19.999,438	187.285,847	9,365	8,903
7	27	98.568	84.351,653	2.614.849,104	30,999	30,537	57	77	66.987	18.844,400	167.286,409	8,877	8,415
8	28	98.527	82.461,279	2.530.497,451	30,687	30,225	58	78	64.247	17.675,885	148.442,009	8,398	7,936
9	29	98.486	80.613,204	2.448.036,172	30,368	29,906	59	79	61.276	16.487,599	130.766,125	7,931	7,469
10	30	98.448	78.808,866	2.367.422,968	30,040	29,578	60	80	58.082	15.284,123	114.278,525	7,477	7,015
11	31	98.407	77.042,210	2.288.614,102	29,706	29,244	61	81	54.630	14.059,536	98.994,402	7,041	6,579
12	32	98.357	75.309,109	2.211.571,892	29,367	28,905	62	82	50.965	12.827,720	84.934,866	6,621	6,159
13	33	98.310	73.616,136	2.136.262,783	29,019	28,557	63	83	47.030	11.576,645	72.107,146	6,229	5,767
14	34	98.258	71.958,122	2.062.646,647	28,665	28,203	64	84	43.029	10.358,711	60.530,501	5,843	5,381
15	35	98.193	70.328,721	1.990.688,524	28,305	27,843	65	85	38.946	9.169,611	50.171,790	5,472	5,010
16	36	98.120	68.729,716	1.920.359,803	27,941	27,479	66	86	34.942	8.045,787	41.002,179	5,096	4,634
17	37	98.027	67.153,587	1.851.630,087	27,573	27,111	67	87	30.818	6.940,072	32.956,392	4,749	4,287
18	38	97.917	65.602,338	1.784.476,500	27,201	26,739	68	88	26.603	5.859,031	26.016,320	4,440	3,978
19	39	97.774	64.065,255	1.718.874,162	26,830	26,368	69	89	22.558	4.858,798	20.157,289	4,149	3,687
20	40	97.618	62.554,943	1.654.808,907	26,454	25,992	70	90	18.719	3.943,302	15.298,491	3,880	3,418
21	41	97.458	61.078,733	1.592.253,964	26,069	25,607	71	91	15.213	3.134,131	11.355,189	3,623	3,161
22	42	97.286	59.628,864	1.531.175,231	25,678	25,216	72	92	11.973	2.412,318	8.221,057	3,408	2,946
23	43	97.103	58.207,231	1.471.546,367	25,281	24,819	73	93	9.179	1.808,674	5.808,740	3,212	2,750
24	44	96.905	56.810,356	1.413.339,136	24,878	24,416	74	94	6.847	1.319,425	4.000,066	3,032	2,570
25	45	96.700	55.442,653	1.356.528,780	24,467	24,005	75	95	4.962	935,180	2.680,642	2,866	2,404
26	46	96.476	54.097,047	1.301.086,127	24,051	23,589	76	96	3.489	643,091	1.745,461	2,714	2,252
27	47	96.234	52.773,859	1.246.989,080	23,629	23,167	77	97	2.377	428,552	1.102,371	2,572	2,110
28	48	95.978	51.475,369	1.194.215,221	23,200	22,738	78	98	1.566	276,037	673,819	2,441	1,979
29	49	95.704	50.199,011	1.142.739,852	22,764	22,302	79	99	994	171,424	397,782	2,320	1,858
30	50	95.407	48.941,783	1.092.540,842	22,323	21,861	80	100	608	102,511	226,358	2,208	1,746
31	51	95.096	47.709,008	1.043.599,059	21,874	21,412	81	101	357	58,833	123,847	2,105	1,643
32	52	94.757	46.492,850	995.890,050	21,420	20,958	82	102	201	32,359	65,014	2,009	1,547
33	53	94.393	45.295,176	949.397,201	20,960	20,498	83	103	108	16,960	32,655	1,925	1,463
34	54	94.013	44.119,850	904.102,025	20,492	20,030	84	104	55	8,492	15,695	1,848	1,386
35	55	93.596	42.957,848	859.982,174	20,019	19,557	85	105	27	4,056	7,203	1,776	1,314
36	56	93.144	41.809,670	817.024,327	19,542	19,080	86	106					
37	57	92.666	40.679,519	775.214,657	19,057	18,595	87	107					
38	58	92.141	39.558,959	734.535,137	18,568	18,106	88	108					
39	59	91.570	38.449,105	694.976,178	18,075	17,613	89	109					
40	60	90.965	37.354,209	656.527,073	17,576	17,114	90	110					
41	61	90.308	36.268,582	619.172,864	17,072	16,610	91	111					
42	62	89.629	35.203,887	582.904,282	16,558	16,096	92	112					
43	63	88.869	34.137,113	547.700,395	16,044	15,582	93						
44	64	88.046	33.076,758	513.563,282	15,526	15,064	94						
45	65	87.167	32.026,194	480.486,524	15,003	14,541	95						
46	66	86.190	30.970,056	448.460,330	14,480	14,018	96						
47	67	85.119	29.912,376	417.490,275	13,957	13,495	97						
48	68	83.938	28.848,259	387.577,899	13,435	12,973	98						
49	69	82.639	27.776,899	358.729,640	12,915	12,453	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -21 Jahre

Zinsfuß 2,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	21	99.293	99.292,607	3.240.313,528	32,634	32,172	50	71	80.064	26.319,231	314.459,830	11,948	11,486
1	22	98.815	96.640,999	3.141.020,921	32,502	32,040	51	72	78.376	25.197,291	288.140,599	11,435	10,973
2	23	98.749	94.450,663	3.044.379,922	32,232	31,770	52	73	76.564	24.073,172	262.943,308	10,923	10,461
3	24	98.703	92.329,593	2.949.929,259	31,950	31,488	53	74	74.565	22.928,543	238.870,136	10,418	9,956
4	25	98.658	90.256,891	2.857.599,666	31,661	31,199	54	75	72.409	21.775,854	215.941,594	9,917	9,455
5	26	98.621	88.237,243	2.767.342,775	31,363	30,901	55	76	70.053	20.603,652	194.165,740	9,424	8,962
6	27	98.580	86.259,619	2.679.105,532	31,059	30,597	56	77	67.516	19.420,487	173.562,088	8,937	8,475
7	28	98.539	84.327,070	2.592.845,913	30,747	30,285	57	78	64.808	18.231,344	154.141,600	8,455	7,993
8	29	98.498	82.436,803	2.508.518,843	30,430	29,968	58	79	61.866	17.020,779	135.910,256	7,985	7,523
9	30	98.458	80.589,608	2.426.082,040	30,104	29,642	59	80	58.699	15.794,030	118.889,477	7,527	7,065
10	31	98.416	78.783,063	2.345.492,433	29,772	29,310	60	81	55.252	14.539,567	103.095,447	7,091	6,629
11	32	98.372	77.014,690	2.266.709,370	29,432	28,970	61	82	51.585	13.275,843	88.555,881	6,670	6,208
12	33	98.322	75.282,331	2.189.694,680	29,086	28,624	62	83	47.672	11.998,740	75.280,078	6,274	5,812
13	34	98.270	73.586,721	2.114.412,349	28,734	28,272	63	84	43.660	10.747,087	63.281,338	5,888	5,426
14	35	98.212	71.924,387	2.040.825,628	28,375	27,913	64	85	39.571	9.526,269	52.534,251	5,515	5,053
15	36	98.143	70.292,716	1.968.901,241	28,010	27,548	65	86	35.565	8.373,463	43.007,982	5,136	4,674
16	37	98.065	68.690,852	1.898.608,525	27,640	27,178	66	87	31.419	7.234,656	34.634,519	4,787	4,325
17	38	97.967	67.112,407	1.829.917,673	27,266	26,804	67	88	27.185	6.121,993	27.399,863	4,476	4,014
18	39	97.849	65.556,448	1.762.805,266	26,890	26,428	68	89	23.104	5.088,410	21.277,871	4,182	3,720
19	40	97.696	64.013,986	1.697.248,818	26,514	26,052	69	90	19.214	4.138,603	16.189,461	3,912	3,450
20	41	97.533	62.500,521	1.633.234,831	26,132	25,670	70	91	15.660	3.298,723	12.050,857	3,653	3,191
21	42	97.362	61.018,357	1.570.734,310	25,742	25,280	71	92	12.362	2.546,795	8.752,135	3,437	2,975
22	43	97.176	59.561,801	1.509.715,953	25,347	24,885	72	93	9.514	1.916,852	6.205,340	3,237	2,775
23	44	96.977	58.131,677	1.450.154,151	24,946	24,484	73	94	7.123	1.403,547	4.288,488	3,055	2,593
24	45	96.770	56.731,276	1.392.022,474	24,537	24,075	74	95	5.182	998,619	2.884,940	2,889	2,427
25	46	96.547	55.354,720	1.335.291,199	24,122	23,660	75	96	3.658	689,437	1.886,322	2,736	2,274
26	47	96.303	53.999,890	1.279.936,478	23,703	23,241	76	97	2.502	461,202	1.196,885	2,595	2,133
27	48	96.047	52.671,232	1.225.936,589	23,275	22,813	77	98	1.656	298,591	735,683	2,464	2,002
28	49	95.775	51.366,244	1.173.265,357	22,841	22,379	78	99	1.058	186,609	437,091	2,342	1,880
29	50	95.474	50.078,196	1.121.899,112	22,403	21,941	79	100	651	112,295	250,483	2,231	1,769
30	51	95.166	48.818,125	1.071.820,917	21,955	21,493	80	101	385	64,986	138,187	2,126	1,664
31	52	94.832	47.576,509	1.023.002,791	21,502	21,040	81	102	219	36,047	73,201	2,031	1,569
32	53	94.471	46.352,292	975.426,282	21,044	20,582	82	103	119	19,137	37,154	1,941	1,479
33	54	94.095	45.152,155	929.073,990	20,577	20,114	83	104	61	9,669	18,016	1,863	1,401
34	55	93.686	43.966,391	883.921,836	20,104	19,642	84	105	30	4,661	8,348	1,791	1,329
35	56	93.242	42.795,172	839.955,445	19,627	19,165	85	106					
36	57	92.770	41.641,816	797.160,272	19,143	18,681	86	107					
37	58	92.252	40.497,963	755.518,457	18,656	18,194	87	108					
38	59	91.697	39.368,458	715.020,493	18,162	17,700	88	109					
39	60	91.105	38.253,638	675.652,035	17,662	17,200	89	110					
40	61	90.464	37.148,602	637.398,397	17,158	16,696	90	111					
41	62	89.800	36.064,486	600.249,795	16,644	16,182	91	112					
42	63	89.065	34.982,353	564.185,309	16,128	15,666	92						
43	64	88.264	33.904,918	529.202,956	15,608	15,146	93						
44	65	87.402	32.834,874	495.298,039	15,085	14,622	94						
45	66	86.456	31.764,624	462.463,165	14,559	14,097	95						
46	67	85.409	30.689,573	430.698,541	14,034	13,572	96						
47	68	84.254	29.608,317	400.008,968	13,510	13,048	97						
48	69	82.978	28.518,305	370.400,652	12,988	12,526	98						
49	70	81.585	27.422,517	341.882,347	12,467	12,005	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -22 Jahre

Zinsfuß 2,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	22	99.268	99.268,313	3.217.365,277	32,411	31,949	50	72	78.766	25.892,536	297.692,771	11,497	11,035
1	23	98.789	96.614,834	3.118.096,964	32,273	31,811	51	73	76.963	24.743,007	271.800,235	10,985	10,523
2	24	98.723	94.426,020	3.021.482,130	31,998	31,536	52	74	75.004	23.582,744	247.057,228	10,476	10,014
3	25	98.676	92.304,509	2.927.056,109	31,711	31,249	53	75	72.867	22.406,650	223.474,484	9,974	9,512
4	26	98.634	90.234,682	2.834.751,600	31,415	30,953	54	76	70.532	21.211,260	201.067,834	9,479	9,017
5	27	98.593	88.212,540	2.744.516,918	31,113	30,651	55	77	68.025	20.007,210	179.856,574	8,990	8,528
6	28	98.551	86.234,480	2.656.304,378	30,803	30,341	56	78	65.319	18.788,690	159.849,364	8,508	8,046
7	29	98.510	84.302,040	2.570.069,898	30,486	30,024	57	79	62.406	17.555,652	141.060,673	8,035	7,573
8	30	98.469	82.412,673	2.485.767,858	30,162	29,700	58	80	59.264	16.304,781	123.505,021	7,575	7,113
9	31	98.425	80.563,221	2.403.355,185	29,832	29,370	59	81	55.839	15.024,633	107.200,241	7,135	6,673
10	32	98.381	78.754,921	2.322.791,964	29,494	29,032	60	82	52.172	13.729,075	92.175,607	6,714	6,252
11	33	98.337	76.987,305	2.244.037,043	29,148	28,686	61	83	48.251	12.417,865	78.446,533	6,317	5,855
12	34	98.283	75.252,250	2.167.049,738	28,797	28,335	62	84	44.256	11.138,935	66.028,667	5,928	5,466
13	35	98.224	73.552,222	2.091.797,488	28,440	27,978	63	85	40.151	9.883,434	54.889,732	5,554	5,092
14	36	98.161	71.887,565	2.018.245,266	28,075	27,613	64	86	36.135	8.699,154	45.006,297	5,174	4,712
15	37	98.088	70.252,968	1.946.357,702	27,705	27,243	65	87	31.979	7.529,297	36.307,143	4,822	4,360
16	38	98.004	68.648,730	1.876.104,733	27,329	26,867	66	88	27.716	6.381,852	28.777,846	4,509	4,047
17	39	97.898	67.065,461	1.807.456,004	26,951	26,489	67	89	23.610	5.316,785	22.395,995	4,212	3,750
18	40	97.770	65.503,986	1.740.390,542	26,569	26,107	68	90	19.679	4.334,181	17.079,209	3,941	3,479
19	41	97.611	63.958,295	1.674.886,556	26,187	25,725	69	91	16.073	3.462,099	12.745,028	3,681	3,219
20	42	97.436	62.438,740	1.610.928,261	25,800	25,338	70	92	12.725	2.680,542	9.282,929	3,463	3,001
21	43	97.253	60.949,732	1.548.489,521	25,406	24,944	71	93	9.823	2.023,709	6.602,387	3,263	2,801
22	44	97.050	59.484,489	1.487.539,789	25,007	24,545	72	94	7.383	1.487,495	4.578,678	3,078	2,616
23	45	96.842	58.050,757	1.428.055,300	24,600	24,138	73	95	5.391	1.062,288	3.091,183	2,910	2,448
24	46	96.617	56.641,299	1.370.004,543	24,187	23,725	74	96	3.820	736,205	2.028,895	2,756	2,294
25	47	96.373	55.255,304	1.313.363,244	23,769	23,307	75	97	2.623	494,440	1.292,690	2,614	2,152
26	48	96.116	53.894,879	1.258.107,939	23,344	22,882	76	98	1.743	321,340	798,250	2,484	2,022
27	49	95.843	52.559,573	1.204.213,061	22,911	22,449	77	99	1.120	201,856	476,910	2,363	1,901
28	50	95.544	51.242,620	1.151.653,488	22,475	22,013	78	100	693	122,243	275,054	2,250	1,788
29	51	95.233	49.951,667	1.100.410,868	22,030	21,567	79	101	413	71,189	152,811	2,147	1,685
30	52	94.901	48.682,546	1.050.459,201	21,578	21,116	80	102	236	39,817	81,622	2,050	1,588
31	53	94.545	47.432,675	1.001.776,655	21,120	20,658	81	103	129	21,318	41,805	1,961	1,499
32	54	94.172	46.205,933	954.343,980	20,654	20,192	82	104	68	10,910	20,486	1,878	1,416
33	55	93.768	44.995,105	908.138,048	20,183	19,721	83	105	34	5,307	9,576	1,805	1,343
34	56	93.331	43.799,896	863.142,943	19,707	19,244	84	106					
35	57	92.868	42.623,362	819.343,046	19,223	18,761	85	107					
36	58	92.356	41.455,965	776.719,685	18,736	18,274	86	108					
37	59	91.808	40.302,940	735.263,720	18,243	17,781	87	109					
38	60	91.231	39.168,317	694.960,780	17,743	17,281	88	110					
39	61	90.604	38.043,080	655.792,463	17,238	16,776	89	111					
40	62	89.955	36.939,554	617.749,382	16,723	16,261	90	112					
41	63	89.235	35.837,536	580.809,829	16,207	15,745	91						
42	64	88.459	34.744,409	544.972,293	15,685	15,223	92						
43	65	87.619	33.656,977	510.227,884	15,160	14,698	93						
44	66	86.688	32.566,699	476.570,907	14,634	14,172	94						
45	67	85.673	31.476,945	444.004,208	14,106	13,644	95						
46	68	84.541	30.377,614	412.527,263	13,580	13,118	96						
47	69	83.290	29.269,670	382.149,650	13,056	12,594	97						
48	70	81.919	28.154,463	352.879,980	12,534	12,072	98						
49	71	80.425	27.032,746	324.725,517	12,012	11,550	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -23 Jahre

Zinsfuß 2,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	23	99.241	99.241,437	3.193.636,701	32,180	31,718	50	73	77.346	25.425,717	280.709,049	11,040	10,578
1	24	98.763	96.589,627	3.094.395,263	32,037	31,575	51	74	75.395	24.238,933	255.283,332	10,532	10,070
2	25	98.696	94.400,367	2.997.805,636	31,756	31,294	52	75	73.297	23.045,961	231.044,399	10,025	9,563
3	26	98.652	92.281,796	2.903.405,270	31,462	31,000	53	76	70.978	21.825,701	207.998,439	9,530	9,068
4	27	98.606	90.209,420	2.811.123,473	31,162	30,700	54	77	68.490	20.597,229	186.172,738	9,039	8,577
5	28	98.564	88.186,832	2.720.914,054	30,854	30,392	55	78	65.812	19.356,326	165.575,509	8,554	8,092
6	29	98.522	86.208,884	2.632.727,222	30,539	30,077	56	79	62.899	18.092,342	146.219,183	8,082	7,620
7	30	98.481	84.277,364	2.546.518,338	30,216	29,754	57	80	59.781	16.817,154	128.126,842	7,619	7,157
8	31	98.437	82.385,689	2.462.240,974	29,887	29,425	58	81	56.377	15.510,503	111.309,688	7,176	6,714
9	32	98.390	80.534,443	2.379.855,284	29,551	29,089	59	82	52.727	14.187,102	95.799,185	6,753	6,291
10	33	98.346	78.726,918	2.299.320,841	29,206	28,744	60	83	48.801	12.841,845	81.612,083	6,355	5,893
11	34	98.297	76.956,543	2.220.593,923	28,855	28,393	61	84	44.794	11.528,027	68.770,237	5,965	5,503
12	35	98.237	75.216,970	2.143.637,380	28,499	28,037	62	85	40.699	10.243,793	57.242,210	5,588	5,126
13	36	98.174	73.514,567	2.068.420,410	28,136	27,674	63	86	36.665	9.025,309	46.998,417	5,207	4,745
14	37	98.106	71.846,915	1.994.905,844	27,766	27,304	64	87	32.492	7.822,154	37.973,108	4,855	4,393
15	38	98.028	70.209,888	1.923.058,929	27,390	26,928	65	88	28.210	6.641,761	30.150,954	4,540	4,078
16	39	97.936	68.600,709	1.852.849,041	27,009	26,547	66	89	24.070	5.542,466	23.509,193	4,242	3,780
17	40	97.820	67.011,791	1.784.248,332	26,626	26,164	67	90	20.110	4.528,706	17.966,727	3,967	3,505
18	41	97.685	65.446,999	1.717.236,541	26,239	25,777	68	91	16.463	3.625,708	13.438,022	3,706	3,244
19	42	97.515	63.895,073	1.651.789,542	25,852	25,390	69	92	13.061	2.813,302	9.812,314	3,488	3,026
20	43	97.327	62.368,517	1.587.894,468	25,460	24,998	70	93	10.111	2.129,986	6.999,012	3,286	2,824
21	44	97.126	60.870,618	1.525.525,951	25,062	24,600	71	94	7.623	1.570,417	4.869,026	3,100	2,638
22	45	96.915	59.401,686	1.464.655,333	24,657	24,195	72	95	5.688	1.125,824	3.298,610	2,930	2,468
23	46	96.689	57.958,688	1.405.253,648	24,246	23,784	73	96	3.974	783,144	2.172,785	2,774	2,312
24	47	96.443	56.539,573	1.347.294,959	23,829	23,367	74	97	2.740	527,980	1.389,642	2,632	2,170
25	48	96.186	55.147,852	1.290.755,387	23,405	22,943	75	98	1.828	344,498	861,661	2,501	2,039
26	49	95.912	53.780,625	1.235.607,534	22,975	22,513	76	99	1.179	217,235	517,163	2,381	1,919
27	50	95.613	52.433,076	1.181.826,909	22,540	22,078	77	100	734	132,231	299,928	2,268	1,806
28	51	95.303	51.113,149	1.129.393,833	22,096	21,634	78	101	440	77,495	167,697	2,164	1,702
29	52	94.968	49.812,939	1.078.280,684	21,647	21,185	79	102	253	43,618	90,202	2,068	1,606
30	53	94.615	48.535,368	1.028.467,745	21,190	20,728	80	103	140	23,548	46,584	1,978	1,516
31	54	94.247	47.282,904	979.932,377	20,725	20,263	81	104	74	12,154	23,036	1,895	1,433
32	55	93.845	46.045,217	932.649,472	20,255	19,793	82	105	37	5,988	10,882	1,817	1,355
33	56	93.413	44.824,715	886.604,255	19,779	19,317	83	106					
34	57	92.956	43.624,052	841.779,540	19,296	18,834	84	107					
35	58	92.453	42.433,130	798.155,488	18,810	18,348	85	108					
36	59	91.912	41.256,328	755.722,358	18,318	17,856	86	109					
37	60	91.341	40.098,049	714.466,030	17,818	17,356	87	110					
38	61	90.729	38.952,725	674.367,981	17,312	16,850	88	111					
39	62	90.094	37.828,999	635.415,256	16,797	16,335	89	112					
40	63	89.389	36.707,097	597.586,258	16,280	15,818	90						
41	64	88.628	35.593,775	560.879,161	15,758	15,296	91						
42	65	87.813	34.490,329	525.285,386	15,230	14,768	92						
43	66	86.903	33.382,088	490.795,057	14,702	14,240	93						
44	67	85.903	32.271,756	457.412,969	14,174	13,712	94						
45	68	84.802	31.156,982	425.141,213	13,645	13,183	95						
46	69	83.574	30.030,167	393.984,231	13,120	12,658	96						
47	70	82.228	28.896,242	363.954,064	12,595	12,133	97						
48	71	80.755	27.754,289	335.057,822	12,072	11,610	98						
49	72	79.121	26.594,484	307.303,533	11,555	11,093	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -24 Jahre

Zinsfuß 2,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	24	99.216	99.215,545	3.169.126,843	31,942	31,480	50	74	75.770	24.907,735	263.560,056	10,581	10,119
1	25	98.736	96.563,386	3.069.911,299	31,792	31,330	51	75	73.679	23.687,214	238.652,321	10,075	9,613
2	26	98.672	94.377,138	2.973.347,913	31,505	31,043	52	76	71.397	22.448,436	214.965,107	9,576	9,114
3	27	98.624	92.255,961	2.878.970,775	31,206	30,744	53	77	68.923	21.193,883	192.516,671	9,084	8,622
4	28	98.578	90.183,130	2.786.714,814	30,901	30,439	54	78	66.262	19.927,149	171.322,788	8,597	8,135
5	29	98.535	88.160,656	2.696.531,684	30,587	30,125	55	79	63.373	18.638,939	151.395,639	8,123	7,661
6	30	98.493	86.183,650	2.608.371,028	30,265	29,803	56	80	60.253	17.331,267	132.756,700	7,660	7,198
7	31	98.449	84.249,770	2.522.187,378	29,937	29,475	57	81	56.869	15.997,917	115.425,433	7,215	6,753
8	32	98.402	82.356,261	2.437.937,608	29,602	29,140	58	82	53.234	14.645,888	99.427,517	6,789	6,327
9	33	98.355	80.505,807	2.355.581,347	29,260	28,798	59	83	49.319	13.270,273	84.781,629	6,389	5,927
10	34	98.307	78.695,460	2.275.075,540	28,910	28,448	60	84	45.304	11.921,625	71.511,356	5,998	5,536
11	35	98.251	76.920,464	2.196.380,080	28,554	28,092	61	85	41.194	10.601,617	59.589,730	5,621	5,159
12	36	98.187	75.178,462	2.119.459,616	28,192	27,730	62	86	37.166	9.354,380	48.988,113	5,237	4,775
13	37	98.118	73.472,997	2.044.281,154	27,824	27,362	63	87	32.969	8.115,428	39.633,734	4,884	4,422
14	38	98.046	71.802,857	1.970.808,157	27,447	26,985	64	88	28.662	6.900,096	31.518,306	4,568	4,106
15	39	97.959	70.160,775	1.899.005,299	27,066	26,604	65	89	24.499	5.768,190	24.618,209	4,268	3,806
16	40	97.857	68.545,811	1.828.844,524	26,681	26,219	66	90	20.503	4.720,935	18.850,019	3,993	3,531
17	41	97.735	66.953,492	1.760.298,714	26,291	25,829	67	91	16.823	3.788,435	14.129,085	3,730	3,268
18	42	97.589	65.382,305	1.693.345,221	25,899	25,437	68	92	13.378	2.946,250	10.340,650	3,510	3,048
19	43	97.405	63.823,212	1.627.962,916	25,507	25,045	69	93	10.379	2.235,478	7.394,400	3,308	2,846
20	44	97.200	62.287,562	1.564.139,704	25,112	24,650	70	94	7.846	1.652,888	5.158,922	3,121	2,659
21	45	96.991	60.785,885	1.501.852,142	24,707	24,245	71	95	5.769	1.188,585	3.506,033	2,950	2,488
22	46	96.761	59.307,474	1.441.066,257	24,298	23,836	72	96	4.119	829,984	2.317,449	2,792	2,330
23	47	96.515	57.854,595	1.381.758,783	23,883	23,421	73	97	2.850	561,643	1.487,464	2,648	2,186
24	48	96.256	56.429,623	1.323.904,187	23,461	22,999	74	98	1.909	367,868	925,822	2,517	2,055
25	49	95.982	55.030,942	1.267.474,564	23,032	22,570	75	99	1.236	232,890	557,954	2,396	1,934
26	50	95.681	53.651,190	1.212.443,621	22,599	22,137	76	100	772	142,305	325,063	2,284	1,822
27	51	95.371	52.300,597	1.158.792,431	22,156	21,694	77	101	465	83,827	182,758	2,180	1,718
28	52	95.038	50.971,195	1.106.491,834	21,708	21,246	78	102	269	47,482	98,931	2,084	1,622
29	53	94.681	49.662,344	1.055.520,638	21,254	20,792	79	103	159	25,796	51,450	1,994	1,532
30	54	94.316	48.382,116	1.005.858,294	20,790	20,328	80	104	80	13,425	25,654	1,911	1,449
31	55	93.919	47.118,443	957.476,178	20,321	19,859	81	105	40	6,671	12,229	1,833	1,371
32	56	93.490	45.870,851	910.357,735	19,846	19,384	82	106					
33	57	93.038	44.644,756	864.486,885	19,364	18,902	83	107					
34	58	92.541	43.429,354	819.842,129	18,878	18,416	84	108					
35	59	92.008	42.228,788	776.412,775	18,386	17,924	85	109					
36	60	91.444	41.046,590	734.183,987	17,887	17,425	86	110					
37	61	90.838	39.877,339	693.137,397	17,382	16,920	87	111					
38	62	90.218	38.733,524	653.260,058	16,865	16,403	88	112					
39	63	89.527	37.590,945	614.526,534	16,348	15,886	89						
40	64	88.781	36.457,421	576.935,589	15,825	15,363	90						
41	65	87.980	35.333,484	540.478,168	15,296	14,834	91						
42	66	87.095	34.208,634	505.144,684	14,767	14,305	92						
43	67	86.116	33.079,760	470.936,050	14,236	13,774	93						
44	68	85.030	31.943,714	437.856,290	13,707	13,245	94						
45	69	83.832	30.800,622	405.912,576	13,179	12,717	95						
46	70	82.508	29.647,037	375.111,954	12,653	12,191	96						
47	71	81.059	28.485,524	345.464,917	12,128	11,666	97						
48	72	79.446	27.304,329	316.979,393	11,609	11,147	98						
49	73	77.695	26.115,009	289.675,064	11,092	10,630	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -25 Jahre

Zinsfuß 2,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	25	99.189	99.188,590	3.143.830,722	31,695	31,233	50	75	74.046	24.340,792	246.309,418	10,119	9,657
1	26	98.712	96.539,624	3.044.642,132	31,538	31,076	51	76	71.769	23.073,063	221.968,626	9,620	9,158
2	27	98.644	94.350,716	2.948.102,508	31,246	30,784	52	77	69.330	21.798,591	198.895,563	9,124	8,662
3	28	98.596	92.229,075	2.853.751,792	30,942	30,480	53	78	66.681	20.504,393	177.096,972	8,637	8,175
4	29	98.548	90.156,361	2.761.522,717	30,630	30,168	54	79	63.806	19.188,607	156.592,580	8,161	7,699
5	30	98.506	88.134,851	2.671.366,355	30,310	29,848	55	80	60.707	17.854,871	137.403,973	7,696	7,234
6	31	98.461	86.155,432	2.583.231,504	29,983	29,521	56	81	57.317	16.486,985	119.549,102	7,251	6,789
7	32	98.414	84.219,676	2.497.076,073	29,650	29,188	57	82	53.699	15.106,131	103.062,117	6,823	6,361
8	33	98.367	82.326,977	2.412.856,397	29,308	28,846	58	83	49.794	13.699,410	87.955,986	6,420	5,958
9	34	98.316	80.473,639	2.330.529,420	28,960	28,498	59	84	45.785	12.319,353	74.256,576	6,028	5,566
10	35	98.261	78.658,566	2.250.055,781	28,605	28,143	60	85	41.663	10.963,585	61.937,224	5,649	5,187
11	36	98.201	76.881,084	2.171.397,215	28,244	27,782	61	86	37.617	9.681,136	50.973,638	5,265	4,803
12	37	98.131	75.135,952	2.094.516,131	27,876	27,414	62	87	33.419	8.411,324	41.292,503	4,909	4,447
13	38	98.058	73.427,942	2.019.380,179	27,502	27,040	63	88	29.082	7.158,800	32.881,179	4,593	4,131
14	39	97.977	71.752,630	1.945.952,237	27,120	26,658	64	89	24.892	5.992,547	25.722,379	4,292	3,830
15	40	97.881	70.104,628	1.874.199,607	26,734	26,272	65	90	20.868	4.913,201	19.729,832	4,016	3,554
16	41	97.772	68.486,177	1.804.094,979	26,342	25,880	66	91	17.151	3.949,242	14.816,631	3,752	3,290
17	42	97.638	66.887,310	1.735.608,802	25,948	25,486	67	92	13.670	3.078,482	10.867,389	3,530	3,068
18	43	97.479	65.308,772	1.668.721,492	25,551	25,089	68	93	10.630	2.341,120	7.788,907	3,327	2,865
19	44	97.279	63.740,369	1.603.412,720	25,155	24,693	69	94	8.054	1.734,751	5.447,787	3,140	2,678
20	45	97.065	62.200,857	1.539.672,352	24,753	24,291	70	95	5.939	1.251,004	3.713,036	2,968	2,506
21	46	96.837	60.689,478	1.477.471,495	24,345	23,883	71	96	4.253	876,253	2.462,031	2,810	2,348
22	47	96.588	59.200,959	1.416.782,017	23,932	23,470	72	97	2.954	595,235	1.585,779	2,664	2,202
23	48	96.327	57.742,089	1.357.581,058	23,511	23,049	73	98	1.986	391,322	990,544	2,531	2,069
24	49	96.052	56.309,996	1.299.838,969	23,084	22,622	74	99	1.290	248,689	599,222	2,410	1,948
25	50	95.751	54.898,498	1.243.528,973	22,651	22,189	75	100	809	152,561	350,533	2,298	1,836
26	51	95.439	53.515,634	1.188.630,474	22,211	21,749	76	101	489	90,214	197,972	2,194	1,732
27	52	95.106	52.155,346	1.135.114,841	21,764	21,302	77	102	285	51,361	107,759	2,098	1,636
28	53	94.751	50.817,099	1.082.959,495	21,311	20,849	78	103	159	28,081	56,397	2,008	1,546
29	54	94.382	49.505,533	1.032.142,396	20,849	20,387	79	104	85	14,706	28,317	1,925	1,463
30	55	93.988	48.213,831	982.636,863	20,381	19,919	80	105	44	7,368	13,610	1,847	1,385
31	56	93.563	46.940,012	934.423,032	19,907	19,445	81	106					
32	57	93.114	45.686,692	887.483,019	19,425	18,963	82	107					
33	58	92.623	44.445,503	841.796,327	18,940	18,478	83	108					
34	59	92.096	43.220,214	797.350,825	18,449	17,987	84	109					
35	60	91.540	42.014,106	754.130,610	17,949	17,487	85	110					
36	61	90.941	40.820,659	712.116,505	17,445	16,983	86	111					
37	62	90.327	39.652,935	671.295,846	16,929	16,467	87	112					
38	63	89.650	38.489,778	631.642,911	16,411	15,949	88						
39	64	88.918	37.335,257	593.153,132	15,887	15,425	89						
40	65	88.131	36.190,815	555.817,875	15,358	14,896	90						
41	66	87.261	35.044,902	519.627,060	14,827	14,365	91						
42	67	86.307	33.898,820	484.582,158	14,295	13,833	92						
43	68	85.241	32.743,505	450.683,338	13,764	13,302	93						
44	69	84.057	31.578,355	417.939,833	13,235	12,773	94						
45	70	82.762	30.407,662	386.361,477	12,706	12,244	95						
46	71	81.335	29.225,648	355.953,816	12,180	11,717	96						
47	72	79.745	28.023,709	326.728,167	11,659	11,197	97						
48	73	78.013	26.812,056	298.704,458	11,141	10,679	98						
49	74	76.112	25.582,984	271.892,403	10,628	10,166	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 1 Jahr

Zinsfuß 2,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	49	91.859	30.196,447	569.657,282	18,865	18,403
1	0	99.544	97.353,320	3.457.272,063	35,513	35,051	51	50	91.184	29.314,914	539.460,835	18,402	17,940
2	1	99.126	94.811,242	3.359.918,743	35,438	34,976	52	51	90.482	28.449,247	510.145,921	17,932	17,470
3	2	99.070	92.673,061	3.265.107,500	35,233	34,771	53	52	89.702	27.583,227	481.696,675	17,463	17,001
4	3	99.033	90.599,350	3.172.434,439	35,016	34,554	54	53	88.868	26.725,656	454.113,448	16,992	16,530
5	4	99.002	88.578,632	3.081.835,089	34,792	34,330	55	54	87.986	25.878,116	427.387,792	16,515	16,053
6	5	98.976	86.606,419	2.993.256,457	34,562	34,100	56	55	87.024	25.031,854	401.509,676	16,040	15,578
7	6	98.952	84.679,712	2.906.650,037	34,325	33,863	57	56	86.015	24.197,332	376.477,821	15,559	15,097
8	7	98.930	82.798,488	2.821.970,326	34,082	33,620	58	57	84.929	23.365,919	352.280,489	15,077	14,615
9	8	98.910	80.959,836	2.739.171,838	33,834	33,372	59	58	83.744	22.532,959	328.914,570	14,597	14,135
10	9	98.891	79.163,315	2.658.212,001	33,579	33,117	60	59	82.465	21.700,481	306.381,611	14,119	13,657
11	10	98.875	77.409,057	2.579.048,687	33,317	32,855	61	60	81.122	20.877,350	284.681,131	13,636	13,174
12	11	98.853	75.688,377	2.501.639,629	33,052	32,590	62	61	79.706	20.061,666	263.803,781	13,150	12,688
13	12	98.831	74.006,255	2.425.951,252	32,780	32,318	63	62	78.190	19.247,009	243.742,114	12,664	12,202
14	13	98.809	72.362,225	2.351.944,997	32,502	32,040	64	63	76.575	18.434,722	224.495,105	12,178	11,716
15	14	98.782	70.749,990	2.279.582,772	32,220	31,758	65	64	74.854	17.623,842	206.060,384	11,692	11,230
16	15	98.747	69.168,762	2.208.832,782	31,934	31,472	66	65	73.005	16.810,338	188.436,542	11,210	10,748
17	16	98.691	67.608,719	2.139.664,020	31,648	31,186	67	66	71.024	15.994,141	171.626,204	10,731	10,269
18	17	98.620	66.073,487	2.072.055,301	31,360	30,898	68	67	68.873	15.168,505	155.632,063	10,260	9,798
19	18	98.524	64.556,326	2.005.981,814	31,073	30,611	69	68	66.561	14.336,803	140.463,558	9,797	9,335
20	19	98.416	63.066,779	1.941.425,487	30,784	30,322	70	69	64.105	13.504,008	126.126,756	9,340	8,878
21	20	98.314	61.615,024	1.878.358,708	30,485	30,023	71	70	61.483	12.666,529	112.622,748	8,891	8,429
22	21	98.206	60.192,926	1.816.743,684	30,182	29,720	72	71	58.700	11.827,173	99.956,219	8,451	7,989
23	22	98.108	58.809,610	1.756.550,758	29,868	29,406	73	72	55.716	10.978,779	88.129,046	8,027	7,565
24	23	98.009	57.457,320	1.697.741,148	29,548	29,086	74	73	52.589	10.134,682	77.150,267	7,613	7,150
25	24	97.912	56.137,555	1.640.283,829	29,219	28,757	75	74	49.330	9.297,510	67.015,585	7,208	6,746
26	25	97.814	54.847,190	1.584.146,274	28,883	28,421	76	75	45.979	8.475,103	57.718,075	6,810	6,348
27	26	97.720	53.588,732	1.529.299,084	28,538	28,076	77	76	42.552	7.670,942	49.242,972	6,419	5,957
28	27	97.623	52.357,376	1.475.710,352	28,185	27,723	78	77	39.059	6.886,218	41.572,030	6,037	5,575
29	28	97.522	51.152,708	1.423.352,977	27,826	27,364	79	78	35.494	6.120,076	34.685,812	5,668	5,206
30	29	97.425	49.977,073	1.372.200,269	27,457	26,995	80	79	31.903	5.379,758	28.565,736	5,310	4,848
31	30	97.325	48.827,329	1.322.223,196	27,080	26,618	81	80	28.289	4.665,481	23.185,979	4,970	4,508
32	31	97.217	47.699,557	1.273.395,867	26,696	26,234	82	81	24.702	3.984,164	18.520,498	4,649	4,187
33	32	97.102	46.595,065	1.225.696,311	26,305	25,843	83	82	21.136	3.333,936	14.536,334	4,360	3,898
34	33	96.983	45.513,582	1.179.101,246	25,907	25,445	84	83	17.755	2.739,095	11.202,398	4,090	3,628
35	34	96.851	44.451,779	1.133.587,664	25,502	25,039	85	84	14.665	2.212,649	8.463,303	3,825	3,363
36	35	96.705	43.407,768	1.089.135,885	25,091	24,629	86	85	11.920	1.758,805	6.250,654	3,554	3,092
37	36	96.546	42.382,953	1.045.728,117	24,673	24,211	87	86	9.443	1.362,685	4.491,849	3,296	2,834
38	37	96.375	41.376,832	1.003.345,164	24,249	23,787	88	87	7.216	1.018,384	3.129,165	3,073	2,611
39	38	96.183	40.385,798	961.968,332	23,819	23,357	89	88	5.312	733,167	2.110,780	2,879	2,417
40	39	95.968	39.408,651	921.582,534	23,385	22,923	90	89	3.784	510,761	1.377,613	2,697	2,235
41	40	95.726	38.444,302	882.173,882	22,947	22,485	91	90	2.598	342,932	866,852	2,528	2,066
42	41	95.461	37.494,267	843.729,580	22,503	22,041	92	91	1.711	220,887	523,921	2,372	1,910
43	42	95.156	36.552,167	806.235,313	22,057	21,595	93	92	1.071	135,183	303,034	2,242	1,780
44	43	94.814	35.619,241	769.683,146	21,609	21,147	94	93	640	79,036	167,852	2,124	1,662
45	44	94.436	34.696,889	734.063,905	21,156	20,694	95	94	365	44,034	88,816	2,017	1,555
46	45	94.015	33.781,883	699.367,016	20,702	20,240	96	95	197	23,320	44,781	1,920	1,458
47	46	93.547	32.874,153	665.585,133	20,246	19,784	97	96	101	11,710	21,461	1,833	1,371
48	47	93.029	31.972,734	632.710,979	19,789	19,327	98	97	49	5,561	9,751	1,753	1,291
49	48	92.469	31.080,963	600.738,245	19,328	18,866	99	98	23	2,492	4,190	1,682	1,220
							100	99	10	1,051	1,698	1,616	1,154

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 2 Jahre

Zinsfuß 2,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	48	92.054	30.260,598	575.481,096	19,018	18,555
1							51	49	91.404	29.385,637	545.220,499	18,554	18,092
2	0	99.504	95.172,607	3.367.066,373	35,379	34,917	52	50	90.711	28.521,310	515.834,862	18,086	17,624
3	1	99.106	92.706,263	3.271.893,766	35,293	34,831	53	51	89.952	27.660,045	487.313,552	17,618	17,156
4	2	99.052	90.617,267	3.179.187,503	35,084	34,622	54	52	89.138	26.806,699	459.653,507	17,147	16,685
5	3	99.019	88.593,839	3.088.570,237	34,862	34,400	55	53	88.265	25.960,086	432.846,808	16,674	16,212
6	4	98.989	86.617,606	2.999.976,397	34,635	34,173	56	54	87.328	25.119,225	406.886,722	16,198	15,736
7	5	98.964	84.690,783	2.913.358,791	34,400	33,938	57	55	86.342	24.289,312	381.767,497	15,718	15,255
8	6	98.939	82.806,118	2.828.668,008	34,160	33,698	58	56	85.271	23.460,105	357.478,185	15,238	14,776
9	7	98.918	80.966,888	2.745.861,890	33,913	33,451	59	57	84.119	22.633,976	334.018,080	14,757	14,295
10	8	98.901	79.170,914	2.664.895,003	33,660	33,198	60	58	82.864	21.805,488	311.384,104	14,280	13,818
11	9	98.882	77.414,060	2.585.724,088	33,401	32,939	61	59	81.536	20.984,028	289.578,616	13,800	13,338
12	10	98.861	75.694,742	2.508.310,028	33,137	32,675	62	60	80.147	20.172,702	268.594,588	13,315	12,853
13	11	98.840	74.013,196	2.432.615,286	32,867	32,405	63	61	78.633	19.355,932	248.421,886	12,834	12,372
14	12	98.818	72.368,371	2.358.602,090	32,592	32,130	64	62	77.060	18.551,464	229.065,954	12,348	11,886
15	13	98.791	70.756,846	2.286.233,719	32,311	31,849	65	63	75.367	17.744,537	210.514,490	11,864	11,402
16	14	98.758	69.176,823	2.215.476,873	32,026	31,564	66	64	73.543	16.934,174	192.769,953	11,383	10,921
17	15	98.709	67.620,801	2.146.300,051	31,740	31,278	67	65	71.609	16.125,847	175.835,779	10,904	10,442
18	16	98.641	66.087,483	2.078.679,250	31,453	30,991	68	66	69.502	15.307,135	159.709,932	10,434	9,972
19	17	98.546	64.570,533	2.012.591,767	31,169	30,707	69	67	67.245	14.484,033	144.402,797	9,970	9,508
20	18	98.445	63.084,922	1.948.021,233	30,879	30,417	70	68	64.847	13.660,248	129.918,764	9,511	9,049
21	19	98.341	61.632,109	1.884.936,312	30,584	30,122	71	69	62.277	12.830,219	116.258,516	9,061	8,599
22	20	98.237	60.211,944	1.823.304,203	30,281	29,819	72	70	59.547	11.997,703	103.428,297	8,621	8,159
23	21	98.132	58.824,002	1.763.092,259	29,972	29,510	73	71	56.634	11.159,703	91.430,594	8,193	7,731
24	22	98.035	57.472,880	1.704.268,256	29,653	29,191	74	72	53.555	10.320,756	80.270,891	7,778	7,316
25	23	97.938	56.152,205	1.646.795,377	29,327	28,865	75	73	50.356	9.490,861	69.950,135	7,370	6,908
26	24	97.840	54.862,095	1.590.643,172	28,993	28,531	76	74	47.050	8.672,504	60.459,274	6,971	6,509
27	25	97.744	53.601,922	1.535.781,077	28,652	28,190	77	75	43.685	7.875,125	51.786,769	6,576	6,114
28	26	97.650	52.372,038	1.482.179,155	28,301	27,839	78	76	40.223	7.091,505	43.911,645	6,192	5,730
29	27	97.551	51.167,620	1.429.807,117	27,944	27,482	79	77	36.688	6.325,872	36.820,140	5,821	5,359
30	28	97.454	49.991,912	1.378.639,498	27,577	27,115	80	78	33.131	5.586,817	30.494,268	5,458	4,996
31	29	97.354	48.841,625	1.328.647,586	27,203	26,741	81	79	29.532	4.870,358	24.907,451	5,114	4,652
32	30	97.248	47.715,179	1.279.805,961	26,822	26,360	82	80	25.967	4.188,189	20.037,093	4,784	4,322
33	31	97.137	46.611,715	1.232.090,782	26,433	25,971	83	81	22.383	3.530,754	15.848,904	4,489	4,027
34	32	97.017	45.529,771	1.185.479,067	26,037	25,575	84	82	18.982	2.928,336	12.318,150	4,207	3,745
35	33	96.890	44.469,548	1.139.949,295	25,634	25,172	85	83	15.797	2.383,442	9.389,814	3,940	3,478
36	34	96.750	43.428,127	1.095.479,747	25,225	24,763	86	84	12.961	1.912,496	7.006,372	3,663	3,201
37	35	96.595	42.404,662	1.052.051,620	24,810	24,348	87	85	10.341	1.492,248	5.093,876	3,414	2,952
38	36	96.429	41.400,243	1.009.646,958	24,387	23,925	88	86	8.025	1.132,563	3.601,628	3,180	2,718
39	37	96.242	40.410,579	968.246,715	23,960	23,498	89	87	6.022	831,140	2.469,065	2,971	2,509
40	38	96.035	39.436,237	927.836,136	23,528	23,065	90	88	4.357	588,114	1.637,925	2,785	2,323
41	39	95.802	38.475,092	888.399,899	23,090	22,628	91	89	3.050	402,608	1.049,811	2,608	2,146
42	40	95.544	37.526,915	849.924,806	22,648	22,186	92	90	2.045	264,048	647,203	2,451	1,989
43	41	95.250	36.588,334	812.397,892	22,204	21,742	93	91	1.317	166,358	383,155	2,303	1,841
44	42	94.920	35.659,346	775.809,557	21,756	21,294	94	92	805	99,465	216,797	2,180	1,718
45	43	94.559	34.741,985	740.150,212	21,304	20,842	95	93	470	56,745	117,332	2,068	1,606
46	44	94.146	33.828,973	705.408,226	20,852	20,390	96	94	261	30,812	60,587	1,966	1,504
47	45	93.696	32.926,375	671.579,253	20,396	19,934	97	95	137	15,884	29,775	1,875	1,413
48	46	93.197	32.030,260	638.652,878	19,939	19,477	98	96	69	7,755	13,891	1,791	1,329
49	47	92.649	31.141,522	606.622,618	19,480	19,018	99	97	32	3,576	6,137	1,716	1,254
							100	98	14	1,554	2,561	1,648	1,186

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 3 Jahre

Zinsfuß 2,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	47	92.234	30.319,558	580.881,137	19,159	18,697
1							51	48	91.598	29.448,065	550.561,579	18,696	18,234
2							52	49	90.930	28.590,118	521.113,514	18,227	17,765
3	0	99.484	93.059,604	3.278.527,753	35,230	34,768	53	50	90.179	27.730,109	492.523,396	17,761	17,299
4	1	99.088	90.649,732	3.185.468,148	35,140	34,678	54	51	89.386	26.881,355	464.793,287	17,291	16,829
5	2	99.039	88.611,359	3.094.818,416	34,926	34,464	55	52	88.533	26.038,807	437.911,932	16,818	16,356
6	3	99.006	86.632,477	3.006.207,057	34,701	34,239	56	53	87.604	25.198,791	411.873,126	16,345	15,883
7	4	98.977	84.701,722	2.919.574,581	34,469	34,007	57	54	86.644	24.374,091	386.674,334	15,864	15,402
8	5	98.952	82.816,944	2.834.872,859	34,231	33,769	58	55	85.595	23.549,283	362.300,243	15,385	14,923
9	6	98.928	80.974,349	2.752.055,915	33,987	33,525	59	56	84.459	22.725,212	338.750,961	14,906	14,444
10	7	98.909	79.177,810	2.671.081,565	33,735	33,273	60	57	83.235	21.903,244	316.025,749	14,428	13,967
11	8	98.891	77.421,491	2.591.903,755	33,478	33,016	61	58	81.931	21.085,569	294.122,505	13,949	13,486
12	9	98.868	75.699,634	2.514.482,264	33,217	32,755	62	59	80.557	20.275,780	273.036,937	13,466	13,004
13	10	98.848	74.019,420	2.438.782,630	32,948	32,486	63	60	79.068	19.463,061	252.761,157	12,987	12,525
14	11	98.827	72.375,158	2.364.763,209	32,674	32,212	64	61	77.496	18.656,450	233.298,096	12,505	12,043
15	12	98.800	70.762,856	2.292.388,051	32,395	31,933	65	62	75.844	17.856,909	214.641,645	12,020	11,558
16	13	98.768	69.183,526	2.221.625,196	32,112	31,650	66	63	74.047	17.050,147	196.784,736	11,542	11,080
17	14	98.720	67.628,681	2.152.441,670	31,827	31,365	67	64	72.136	16.244,641	179.734,590	11,064	10,602
18	15	98.659	66.099,293	2.084.812,988	31,541	31,079	68	65	70.075	15.433,183	163.489,948	10,593	10,131
19	16	98.567	64.584,211	2.018.713,696	31,257	30,795	69	66	67.859	14.616,408	148.056,765	10,129	9,667
20	17	98.466	63.098,805	1.954.129,485	30,969	30,507	70	67	65.513	13.800,530	133.440,357	9,669	9,207
21	18	98.370	61.649,839	1.891.030,680	30,674	30,212	71	68	62.998	12.978,663	119.639,827	9,218	8,756
22	19	98.264	60.228,640	1.829.380,841	30,374	29,912	72	69	60.316	12.152,750	106.661,164	8,777	8,315
23	20	98.163	58.842,588	1.769.152,202	30,066	29,604	73	70	57.450	11.320,609	94.508,414	8,348	7,886
24	21	98.059	57.486,945	1.710.309,613	29,751	29,289	74	71	54.437	10.490,836	83.187,805	7,930	7,468
25	22	97.964	56.167,412	1.652.822,668	29,427	28,965	75	72	51.281	9.665,115	72.696,969	7,522	7,060
26	23	97.866	54.876,412	1.596.655,256	29,095	28,633	76	73	48.028	8.852,858	63.031,854	7,120	6,658
27	24	97.771	53.616,488	1.541.778,844	28,756	28,294	77	74	44.703	8.058,551	54.178,996	6,723	6,261
28	25	97.674	52.384,928	1.488.162,356	28,408	27,946	78	75	41.294	7.280,264	46.120,445	6,335	5,873
29	26	97.578	51.181,948	1.435.777,428	28,052	27,590	79	76	37.782	6.514,455	38.840,181	5,962	5,500
30	27	97.482	50.006,485	1.384.595,479	27,688	27,226	80	77	34.245	5.774,682	32.325,726	5,598	5,136
31	28	97.383	48.856,127	1.334.588,994	27,317	26,855	81	78	30.668	5.057,811	26.551,044	5,250	4,787
32	29	97.277	47.729,150	1.285.732,868	26,938	26,476	82	79	27.107	4.372,107	21.493,233	4,916	4,454
33	30	97.169	46.626,981	1.238.003,718	26,551	26,089	83	80	23.529	3.711,560	17.121,126	4,613	4,151
34	31	97.052	45.546,041	1.191.376,736	26,158	25,696	84	81	20.102	3.101,210	13.409,566	4,324	3,862
35	32	96.924	44.485,366	1.145.830,695	25,757	25,295	85	82	16.889	2.548,111	10.308,356	4,045	3,583
36	33	96.789	43.445,487	1.101.345,329	25,350	24,888	86	83	13.962	2.060,120	7.760,245	3,767	3,305
37	34	96.641	42.424,552	1.057.899,842	24,936	24,474	87	84	11.244	1.622,647	5.700,126	3,513	3,051
38	35	96.479	41.421,449	1.015.475,291	24,516	24,054	88	85	8.788	1.240,247	4.077,479	3,288	2,826
39	36	96.296	40.433,442	974.053,842	24,090	23,628	89	86	6.697	924,325	2.837,232	3,070	2,608
40	37	96.094	39.460,435	933.620,400	23,660	23,198	90	87	4.939	666,703	1.912,907	2,869	2,407
41	38	95.869	38.502,025	894.159,964	23,224	22,762	91	88	3.511	463,582	1.246,204	2,688	2,226
42	39	95.620	37.556,970	855.657,939	22,783	22,321	92	89	2.401	309,998	782,622	2,525	2,063
43	40	95.333	36.620,193	818.100,969	22,340	21,878	93	90	1.575	198,865	472,625	2,377	1,915
44	41	95.014	35.694,630	781.480,776	21,894	21,431	94	91	991	122,404	273,759	2,237	1,775
45	42	94.666	34.781,103	745.786,147	21,442	20,980	95	92	591	71,412	151,356	2,119	1,657
46	43	94.268	33.872,941	711.005,044	20,990	20,528	96	93	336	39,705	79,944	2,013	1,551
47	44	93.826	32.972,273	677.132,103	20,536	20,074	97	94	182	20,987	40,239	1,917	1,455
48	45	93.345	32.081,141	644.159,830	20,079	19,617	98	95	93	10,519	19,252	1,830	1,368
49	46	92.816	31.197,552	612.078,690	19,619	19,157	99	96	45	4,987	8,734	1,751	1,289
							100	97	21	2,231	3,747	1,680	1,218

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 4 Jahre

Zinsfuß 2,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	46	92.399	30.374,110	585.879,699	19,289	18,827
1							51	47	91.776	29.505,442	555.505,590	18,827	18,365
2							52	48	91.123	28.650,856	526.000,147	18,359	17,897
3							53	49	90.397	27.797,009	497.349,291	17,892	17,430
4	0	99.465	90.995,235	3.191.617,347	35,075	34,613	54	50	89.613	26.949,446	469.552,283	17,423	16,961
5	1	99.074	88.643,106	3.100.622,111	34,979	34,517	55	51	88.779	26.111,324	442.602,837	16,951	16,489
6	2	99.025	86.649,608	3.011.979,006	34,760	34,298	56	52	87.870	25.275,204	416.491,513	16,478	16,016
7	3	98.994	84.716,264	2.925.329,397	34,531	34,069	57	53	86.918	24.451,297	391.216,309	16,000	15,538
8	4	98.965	82.827,642	2.840.613,134	34,295	33,833	58	54	85.894	23.631,479	366.765,012	15,520	15,058
9	5	98.940	80.984,936	2.757.785,492	34,053	33,591	59	55	84.780	22.811,596	343.133,534	15,042	14,580
10	6	98.918	79.185,107	2.676.800,556	33,804	33,342	60	56	83.571	21.991,534	320.321,938	14,566	14,104
11	7	98.900	77.428,235	2.597.615,450	33,549	33,087	61	57	82.298	21.180,097	298.330,404	14,085	13,623
12	8	98.877	75.706,901	2.520.187,215	33,289	32,827	62	58	80.947	20.373,893	277.150,307	13,603	13,141
13	9	98.855	74.024,204	2.444.480,314	33,023	32,561	63	59	79.472	19.562,513	256.776,414	13,126	12,664
14	10	98.835	72.381,245	2.370.456,110	32,750	32,288	64	60	77.925	18.759,709	237.213,901	12,645	12,183
15	11	98.809	70.769,492	2.298.074,865	32,473	32,011	65	61	76.273	17.957,965	218.454,192	12,165	11,703
16	12	98.776	69.189,402	2.227.305,373	32,191	31,729	66	62	74.516	17.158,121	200.496,228	11,685	11,223
17	13	98.730	67.635,235	2.158.115,971	31,908	31,446	67	63	72.630	16.355,891	183.338,107	11,209	10,747
18	14	98.670	66.106,996	2.090.480,736	31,623	31,161	68	64	70.591	15.546,875	166.982,215	10,741	10,279
19	15	98.584	64.595,752	2.024.373,740	31,339	30,877	69	65	68.418	14.736,768	151.435,341	10,276	9,814
20	16	98.487	63.112,170	1.959.777,989	31,052	30,590	70	66	66.112	13.926,658	136.698,572	9,816	9,354
21	17	98.391	61.663,406	1.896.665,818	30,758	30,296	71	67	63.645	13.111,946	122.771,914	9,363	8,901
22	18	98.293	60.245,966	1.835.002,412	30,459	29,996	72	68	61.014	12.293,356	109.659,968	8,920	8,458
23	19	98.190	58.858,904	1.774.756,446	30,153	29,691	73	69	58.193	11.466,906	97.366,612	8,491	8,029
24	20	98.090	57.505,109	1.715.897,542	29,839	29,377	74	70	55.222	10.642,098	85.899,706	8,072	7,610
25	21	97.988	56.181,158	1.658.392,433	29,519	29,057	75	71	52.126	9.824,390	75.257,608	7,660	7,198
26	22	97.893	54.891,274	1.602.211,276	29,189	28,727	76	72	48.910	9.015,398	65.433,218	7,258	6,796
27	23	97.796	53.630,481	1.547.320,002	28,852	28,389	77	73	45.632	8.226,137	56.417,820	6,858	6,396
28	24	97.701	52.399,163	1.493.689,521	28,506	28,044	78	74	42.256	7.449,835	48.191,683	6,469	6,007
29	25	97.602	51.194,546	1.441.290,358	28,153	27,691	79	75	38.787	6.687,854	40.741,848	6,092	5,630
30	26	97.510	50.020,489	1.390.095,812	27,791	27,329	80	76	35.266	5.946,833	34.053,994	5,726	5,264
31	27	97.411	48.870,369	1.340.075,323	27,421	26,959	81	77	31.700	5.227,888	28.107,161	5,376	4,914
32	28	97.306	47.743,321	1.291.204,954	27,045	26,583	82	78	28.150	4.540,383	22.879,273	5,039	4,577
33	29	97.197	46.640,634	1.243.461,633	26,660	26,198	83	79	24.563	3.874,547	18.338,891	4,733	4,271
34	30	97.084	45.560,958	1.196.820,999	26,269	25,807	84	80	21.132	3.260,020	14.464,343	4,437	3,975
35	31	96.959	44.501,262	1.151.260,041	25,870	25,408	85	81	17.886	2.698,538	11.204,324	4,152	3,690
36	32	96.823	43.460,941	1.106.758,779	25,466	25,004	86	82	14.926	2.202,451	8.505,785	3,862	3,400
37	33	96.679	42.441,510	1.063.297,838	25,053	24,591	87	83	12.112	1.747,898	6.303,334	3,606	3,144
38	34	96.524	41.440,877	1.020.856,328	24,634	24,172	88	84	9.556	1.348,625	4.555,437	3,378	2,916
39	35	96.346	40.454,153	979.415,451	24,211	23,748	89	85	7.333	1.012,210	3.206,812	3,168	2,706
40	36	96.148	39.482,761	938.961,298	23,782	23,320	90	86	5.493	741,452	2.194,602	2,960	2,498
41	37	95.928	38.525,650	899.478,537	23,348	22,886	91	87	3.981	525,530	1.453,150	2,765	2,303
42	38	95.687	37.583,260	860.952,887	22,908	22,446	92	88	2.765	356,946	927,621	2,599	2,137
43	39	95.409	36.649,522	823.369,627	22,466	22,004	93	89	1.849	233,471	570,675	2,444	1,982
44	40	95.097	35.725,710	786.720,105	22,021	21,559	94	90	1.185	146,322	337,203	2,305	1,843
45	41	94.759	34.815,517	750.994,394	21,571	21,109	95	91	728	87,881	190,882	2,172	1,710
46	42	94.374	33.911,080	716.178,877	21,119	20,657	96	92	423	49,968	103,001	2,061	1,599
47	43	93.948	33.015,127	682.267,797	20,665	20,203	97	93	234	27,044	53,033	1,961	1,499
48	44	93.475	32.125,860	649.252,670	20,210	19,748	98	94	123	13,898	25,989	1,870	1,408
49	45	92.963	31.247,111	617.126,810	19,750	19,288	99	95	61	6,764	12,091	1,788	1,326
							100	96	29	3,110	5,327	1,713	1,251

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 5 Jahre

Zinsfuß 2,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	45	92.546	30.422,360	590.497,399	19,410	18,948
1							51	46	91.942	29.558,529	560.075,040	18,948	18,486
2							52	47	91.301	28.706,680	530.516,511	18,481	18,019
3							53	48	90.589	27.856,062	501.809,830	18,014	17,552
4							54	49	89.829	27.014,462	473.953,769	17,544	17,082
5	0	99.452	88.980,961	3.106.315,446	34,910	34,448	55	50	89.004	26.177,465	446.939,306	17,073	16,611
6	1	99.061	86.680,652	3.017.334,486	34,810	34,348	56	51	88.115	25.345,594	420.761,841	16,601	16,139
7	2	99.014	84.733,016	2.930.653,833	34,587	34,125	57	52	87.182	24.525,442	395.416,247	16,123	15,661
8	3	98.982	82.841,861	2.845.920,817	34,354	33,892	58	53	86.166	23.706,332	370.890,805	15,645	15,183
9	4	98.953	80.995,397	2.763.078,956	34,114	33,652	59	54	85.076	22.891,217	347.184,472	15,167	14,705
10	5	98.931	79.195,459	2.682.083,559	33,867	33,405	60	55	83.888	22.075,129	324.293,255	14,690	14,228
11	6	98.909	77.435,370	2.602.888,100	33,614	33,152	61	56	82.630	21.265,427	301.218,126	14,212	13,750
12	7	98.886	75.713,495	2.525.452,730	33,355	32,893	62	57	81.310	20.465,231	280.952,654	13,728	13,266
13	8	98.864	74.031,310	2.449.739,235	33,091	32,629	63	58	79.856	19.657,174	260.487,423	13,252	12,790
14	9	98.842	72.385,922	2.375.707,925	32,820	32,358	64	59	78.323	18.855,566	240.830,248	12,772	12,310
15	10	98.817	70.775,444	2.303.322,002	32,544	32,082	65	60	76.695	18.057,357	221.974,682	12,293	11,831
16	11	98.786	69.195,891	2.232.546,558	32,264	31,802	66	61	74.938	17.255,222	203.917,325	11,818	11,356
17	12	98.738	67.640,979	2.163.350,667	31,983	31,521	67	62	73.090	16.459,469	186.662,103	11,341	10,879
18	13	98.680	66.113,402	2.095.709,688	31,699	31,237	68	63	71.074	15.653,346	170.202,634	10,873	10,411
19	14	98.596	64.603,280	2.029.596,286	31,416	30,954	69	64	68.922	14.845,329	154.549,288	10,411	9,949
20	15	98.505	63.123,448	1.964.993,007	31,129	30,667	70	65	66.656	14.041,339	139.703,958	9,949	9,487
21	16	98.412	61.676,468	1.901.869,558	30,836	30,374	71	66	64.226	13.231,781	125.662,619	9,497	9,035
22	17	98.314	60.259,224	1.840.193,090	30,538	30,076	72	67	61.641	12.419,601	112.430,838	9,053	8,591
23	18	98.219	58.875,836	1.779.933,866	30,232	29,770	73	68	58.866	11.599,577	100.011,237	8,622	8,160
24	19	98.117	57.521,054	1.721.058,030	29,920	29,458	74	69	55.936	10.779,627	88.411,661	8,202	7,740
25	20	98.019	56.198,908	1.663.536,976	29,601	29,139	75	70	52.878	9.966,043	77.632,034	7,790	7,328
26	21	97.916	54.904,707	1.607.338,068	29,275	28,813	76	71	49.716	9.163,966	67.665,991	7,384	6,922
27	22	97.823	53.645,005	1.552.433,360	28,939	28,477	77	72	46.470	8.377,170	58.502,025	6,984	6,521
28	23	97.726	52.412,838	1.498.788,356	28,596	28,134	78	73	43.134	7.604,762	50.124,855	6,591	6,129
29	24	97.629	51.208,458	1.446.375,517	28,245	27,783	79	74	39.691	6.843,627	42.520,093	6,213	5,751
30	25	97.534	50.032,800	1.395.167,059	27,885	27,423	80	75	36.204	6.105,123	35.676,465	5,844	5,382
31	26	97.438	48.884,055	1.345.134,259	27,517	27,055	81	76	32.645	5.383,738	29.571,342	5,493	5,031
32	27	97.334	47.757,239	1.296.250,205	27,142	26,680	82	77	29.097	4.693,060	24.187,604	5,154	4,692
33	28	97.226	46.654,482	1.248.492,965	26,760	26,298	83	78	25.508	4.023,673	19.494,544	4,845	4,383
34	29	97.112	45.574,298	1.201.838,484	26,371	25,909	84	79	22.060	3.403,178	15.470,871	4,546	4,084
35	30	96.991	44.515,837	1.156.264,185	25,974	25,512	85	80	18.802	2.836,727	12.067,693	4,254	3,792
36	31	96.858	43.476,471	1.111.748,348	25,571	25,109	86	81	15.807	2.332,472	9.230,966	3,958	3,496
37	32	96.714	42.456,607	1.068.271,877	25,161	24,699	87	82	12.949	1.868,658	6.898,493	3,692	3,230
38	33	96.563	41.457,442	1.025.815,270	24,744	24,282	88	83	10.293	1.452,724	5.029,836	3,462	3,000
39	34	96.391	40.473,128	984.357,828	24,321	23,859	89	84	7.974	1.100,661	3.577,112	3,250	2,788
40	35	96.197	39.502,985	943.884,700	23,894	23,432	90	85	6.015	811,949	2.476,451	3,050	2,588
41	36	95.982	38.547,447	904.381,715	23,462	23,000	91	86	4.427	584,451	1.664,502	2,848	2,386
42	37	95.746	37.606,321	865.834,268	23,024	22,562	92	87	3.134	404,644	1.080,051	2,669	2,207
43	38	95.476	36.675,177	828.227,947	22,583	22,121	93	88	2.129	268,830	675,407	2,512	2,050
44	39	95.173	35.754,323	791.552,770	22,139	21,677	94	89	1.391	171,784	406,577	2,367	1,905
45	40	94.842	34.845,833	755.798,447	21,690	21,228	95	90	870	105,053	234,793	2,235	1,773
46	41	94.468	33.944,634	720.952,615	21,239	20,777	96	91	521	61,492	129,740	2,110	1,648
47	42	94.054	33.052,300	687.007,981	20,785	20,323	97	92	295	34,035	68,248	2,005	1,543
48	43	93.596	32.167,615	653.955,681	20,330	19,868	98	93	159	17,909	34,213	1,910	1,448
49	44	93.093	31.290,667	621.788,067	19,871	19,409	99	94	81	8,937	16,304	1,824	1,362
							100	95	39	4,219	7,367	1,746	1,284

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 6 Jahre

Zinsfuß 2,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	44	92.675	30.464,767	594.755,341	19,523	19,061
1							51	45	92.088	29.605,484	564.290,574	19,060	18,598
2							52	46	91.465	28.758,330	534.685,090	18,592	18,130
3							53	47	90.766	27.910,337	505.926,761	18,127	17,665
4							54	48	90.020	27.071,853	478.016,423	17,657	17,195
5							55	49	89.219	26.240,619	450.944,570	17,185	16,723
6	0	99.438	87.011,028	3.022.600,693	34,738	34,276	56	50	88.338	25.409,796	424.703,952	16,714	16,252
7	1	99.049	84.763,374	2.935.589,665	34,633	34,171	57	51	87.425	24.593,745	399.294,156	16,236	15,774
8	2	99.002	82.858,243	2.850.826,292	34,406	33,944	58	52	86.427	23.778,219	374.700,411	15,758	15,296
9	3	98.970	81.009,302	2.767.968,048	34,169	33,707	59	53	85.345	22.963,726	350.922,192	15,282	14,820
10	4	98.944	79.205,689	2.686.958,747	33,924	33,462	60	54	84.181	22.152,180	327.958,466	14,805	14,343
11	5	98.922	77.445,494	2.607.753,058	33,672	33,210	61	55	82.944	21.346,308	305.806,286	14,326	13,864
12	6	98.895	75.720,472	2.530.307,564	33,416	32,954	62	56	81.637	20.547,724	284.459,979	13,844	13,382
13	7	98.873	74.037,758	2.454.587,091	33,153	32,691	63	57	80.214	19.745,299	263.912,254	13,366	12,904
14	8	98.851	72.392,871	2.380.549,333	32,884	32,422	64	58	78.702	18.946,807	244.166,955	12,887	12,425
15	9	98.824	70.780,017	2.308.156,462	32,610	32,148	65	59	77.087	18.149,626	225.220,148	12,409	11,947
16	10	98.794	69.201,710	2.237.376,444	32,331	31,869	66	60	75.352	17.350,725	207.070,522	11,934	11,472
17	11	98.748	67.647,323	2.168.174,734	32,051	31,589	67	61	73.504	16.552,616	189.719,798	11,462	11,000
18	12	98.688	66.119,017	2.100.527,411	31,769	31,307	68	62	71.524	15.752,475	173.167,181	10,993	10,531
19	13	98.605	64.609,540	2.034.408,394	31,488	31,026	69	63	69.394	14.946,996	157.414,706	10,532	10,070
20	14	98.516	63.130,805	1.969.798,854	31,202	30,740	70	64	67.147	14.144,777	142.467,709	10,072	9,610
21	15	98.430	61.687,490	1.906.668,049	30,909	30,446	71	65	64.755	13.340,740	128.322,932	9,619	9,157
22	16	98.335	60.271,988	1.844.980,560	30,611	30,149	72	66	62.204	12.533,108	114.982,193	9,174	8,712
23	17	98.240	58.888,793	1.784.708,572	30,306	29,844	73	67	59.470	11.718,697	102.449,084	8,742	8,280
24	18	98.146	57.537,601	1.725.819,778	29,995	29,533	74	68	56.583	10.904,346	90.730,387	8,321	7,859
25	19	98.046	56.214,491	1.668.282,177	29,677	29,215	75	69	53.561	10.094,835	79.826,041	7,908	7,446
26	20	97.947	54.922,055	1.612.067,686	29,352	28,890	76	70	50.433	9.296,097	69.731,207	7,501	7,039
27	21	97.846	53.658,133	1.557.145,631	29,020	28,558	77	71	47.236	8.515,221	60.435,110	7,097	6,635
28	22	97.753	52.427,032	1.503.487,498	28,678	28,216	78	72	43.926	7.744,387	51.919,889	6,704	6,242
29	23	97.654	51.221,822	1.451.060,465	28,329	27,867	79	73	40.516	6.985,947	44.175,502	6,323	5,861
30	24	97.560	50.046,397	1.399.838,643	27,971	27,509	80	74	37.048	6.247,323	37.189,555	5,953	5,491
31	25	97.462	48.896,086	1.349.792,247	27,605	27,143	81	75	33.514	5.527,040	30.942,232	5,598	5,136
32	26	97.361	47.770,613	1.300.896,160	27,232	26,770	82	76	29.964	4.832,966	25.415,191	5,259	4,797
33	27	97.254	46.668,082	1.253.125,547	26,852	26,390	83	77	26.366	4.158,975	20.582,225	4,949	4,487
34	28	97.141	45.587,830	1.206.457,465	26,464	26,002	84	78	22.909	3.534,162	16.423,250	4,647	4,185
35	29	97.019	44.528,871	1.160.869,635	26,070	25,608	85	79	19.627	2.961,298	12.889,088	4,353	3,890
36	30	96.889	43.490,711	1.116.340,764	25,668	25,206	86	80	16.617	2.451,916	9.927,791	4,049	3,587
37	31	96.748	42.471,778	1.072.850,053	25,260	24,798	87	81	13.714	1.978,974	7.475,875	3,778	3,316
38	32	96.597	41.472,189	1.030.378,275	24,845	24,383	88	82	11.004	1.553,091	5.496,901	3,539	3,077
39	33	96.429	40.489,306	988.906,086	24,424	23,962	89	83	8.590	1.185,620	3.943,810	3,326	2,864
40	34	96.242	39.521,513	948.416,780	23,997	23,535	90	84	6.540	882,900	2.758,191	3,124	2,662
41	35	96.032	38.567,191	908.895,267	23,567	23,105	91	85	4.848	640,020	1.875,290	2,930	2,468
42	36	95.800	37.627,598	870.328,075	23,130	22,668	92	86	3.485	450,012	1.235,270	2,745	2,283
43	37	95.535	36.697,681	832.700,477	22,691	22,229	93	87	2.413	304,753	785,258	2,577	2,115
44	38	95.240	35.779,351	796.002,797	22,248	21,786	94	88	1.602	197,800	480,505	2,429	1,967
45	39	94.918	34.873,741	760.223,446	21,799	21,337	95	89	1.021	123,334	282,704	2,292	1,830
46	40	94.550	33.974,191	725.349,705	21,350	20,888	96	90	622	73,508	159,370	2,168	1,706
47	41	94.147	33.085,004	691.375,514	20,897	20,435	97	91	363	41,883	85,863	2,050	1,588
48	42	93.702	32.203,833	658.290,510	20,441	19,979	98	92	199	22,538	43,979	1,951	1,489
49	43	93.214	31.331,336	626.086,677	19,983	19,521	99	93	104	11,517	21,441	1,862	1,400
							100	94	52	5,574	9,924	1,780	1,318

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 7 Jahre

Zinsfuß 2,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	43	92.796	30.504,362	598.677,412	19,626	19,164
1							51	44	92.216	29.646,752	568.173,049	19,165	18,703
2							52	45	91.611	28.804,013	538.526,297	18,696	18,234
3							53	46	90.929	27.960,554	509.722,284	18,230	17,768
4							54	47	90.195	27.124,601	481.761,730	17,761	17,299
5							55	48	89.408	26.296,365	454.637,130	17,289	16,827
6							56	49	88.551	25.471,097	428.340,764	16,817	16,355
7	0	99.427	85.086,442	2.940.457,054	34,558	34,096	57	50	87.646	24.656,042	402.869,667	16,340	15,878
8	1	99.037	82.887,929	2.855.370,612	34,449	33,987	58	51	86.668	23.844,441	378.213,625	15,862	15,400
9	2	98.990	81.025,322	2.772.482,683	34,217	33,755	59	52	85.604	23.033,361	354.369,184	15,385	14,923
10	3	98.961	79.219,287	2.691.457,362	33,975	33,513	60	53	84.448	22.222,348	331.335,824	14,910	14,448
11	4	98.935	77.455,498	2.612.238,075	33,726	33,264	61	54	83.234	21.420,814	309.113,476	14,431	13,969
12	5	98.908	75.730,372	2.534.782,578	33,471	33,009	62	55	81.948	20.625,831	287.692,662	13,948	13,486
13	6	98.882	74.044,581	2.459.052,206	33,210	32,748	63	56	80.538	19.824,891	267.066,830	13,471	13,009
14	7	98.860	72.399,177	2.385.007,625	32,942	32,480	64	57	79.055	19.031,747	247.241,939	12,991	12,529
15	8	98.833	70.786,812	2.312.608,448	32,670	32,208	65	58	77.460	18.237,450	228.210,192	12,513	12,051
16	9	98.800	69.206,182	2.241.821,636	32,393	31,931	66	59	75.737	17.439,383	209.972,742	12,040	11,578
17	10	98.756	67.653,012	2.172.615,453	32,114	31,652	67	60	73.910	16.644,231	192.533,359	11,568	11,106
18	11	98.698	66.125,218	2.104.962,441	31,833	31,371	68	61	71.929	15.841,622	175.889,128	11,103	10,641
19	12	98.614	64.615,027	2.038.837,223	31,554	31,092	69	62	69.834	15.041,652	160.047,507	10,640	10,178
20	13	98.526	63.136,922	1.974.222,195	31,269	30,807	70	63	67.607	14.241,647	145.005,855	10,182	9,720
21	14	98.441	61.694,678	1.911.085,273	30,977	30,514	71	64	65.232	13.439,017	130.764,208	9,730	9,268
22	15	98.353	60.282,759	1.849.390,595	30,679	30,217	72	65	62.716	12.636,314	117.325,191	9,285	8,823
23	16	98.261	58.901,267	1.789.107,836	30,375	29,913	73	66	60.014	11.825,798	104.688,878	8,853	8,391
24	17	98.167	57.550,263	1.730.206,569	30,064	29,602	74	67	57.164	11.016,327	92.863,079	8,430	7,968
25	18	98.075	56.230,663	1.672.656,306	29,746	29,284	75	68	54.181	10.211,631	81.846,753	8,015	7,553
26	19	97.975	54.937,284	1.616.425,643	29,423	28,961	76	69	51.085	9.416,231	71.635,122	7,608	7,146
27	20	97.877	53.675,087	1.561.488,359	29,091	28,629	77	70	47.917	8.637,997	62.218,891	7,203	6,741
28	21	97.776	52.439,863	1.507.813,272	28,753	28,291	78	71	44.650	7.872,010	53.580,894	6,807	6,344
29	22	97.681	51.235,694	1.455.373,409	28,405	27,943	79	72	41.260	7.114,210	45.708,883	6,425	5,963
30	23	97.586	50.059,458	1.404.137,716	28,049	27,587	80	73	37.818	6.377,243	38.594,673	6,052	5,590
31	24	97.489	48.909,374	1.354.078,258	27,685	27,223	81	74	34.294	5.655,776	32.217,431	5,696	5,234
32	25	97.385	47.782,371	1.305.168,884	27,315	26,853	82	75	30.762	4.961,608	26.561,655	5,353	4,891
33	26	97.282	46.681,151	1.257.386,513	26,936	26,474	83	76	27.152	4.282,960	21.600,047	5,043	4,581
34	27	97.169	45.601,119	1.210.705,362	26,550	26,088	84	77	23.679	3.653,003	17.317,087	4,741	4,278
35	28	97.048	44.542,092	1.165.104,243	26,157	25,695	85	78	20.383	3.075,274	13.664,084	4,443	3,981
36	29	96.918	43.503,445	1.120.562,151	25,758	25,296	86	79	17.347	2.559,588	10.588,810	4,137	3,675
37	30	96.780	42.485,689	1.077.058,706	25,351	24,889	87	80	14.416	2.080,315	8.029,222	3,860	3,398
38	31	96.631	41.487,008	1.034.573,018	24,937	24,475	88	81	11.654	1.644,777	5.948,908	3,617	3,155
39	32	96.464	40.503,708	993.086,009	24,518	24,056	89	82	9.183	1.267,533	4.304,130	3,396	2,934
40	33	96.281	39.537,312	952.582,301	24,093	23,631	90	83	7.045	951,051	3.036,597	3,193	2,731
41	34	96.077	38.585,281	913.044,989	23,663	23,201	91	84	5.272	695,948	2.085,547	2,997	2,535
42	35	95.849	37.646,871	874.459,708	23,228	22,766	92	85	3.817	492,799	1.389,599	2,820	2,358
43	36	95.589	36.718,444	836.812,837	22,790	22,328	93	86	2.684	338,922	896,800	2,646	2,184
44	37	95.298	35.801,305	800.094,393	22,348	21,886	94	87	1.816	224,232	557,878	2,488	2,026
45	38	94.984	34.898,152	764.293,088	21,901	21,439	95	88	1.176	142,012	333,646	2,349	1,887
46	39	94.626	34.001,401	729.394,936	21,452	20,990	96	89	731	86,299	191,633	2,221	1,759
47	40	94.229	33.113,812	695.393,535	21,000	20,538	97	90	433	50,068	105,334	2,104	1,642
48	41	93.794	32.235,698	662.279,723	20,545	20,083	98	91	245	27,736	55,266	1,993	1,531
49	42	93.319	31.366,613	630.044,025	20,086	19,624	99	92	131	14,493	27,530	1,900	1,438
							100	93	66	7,183	13,037	1,815	1,353

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 8 Jahre

Zinsfuß 2,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	42	92.900	30.538,708	602.284,468	19,722	19,260
1							51	43	92.336	29.685,284	571.745,760	19,260	18,798
2							52	44	91.738	28.844,165	542.060,476	18,793	18,331
3							53	45	91.073	28.004,970	513.216,311	18,326	17,864
4							54	46	90.357	27.173,403	485.211,341	17,856	17,394
5							55	47	89.583	26.347,602	458.037,937	17,384	16,922
6							56	48	88.739	25.525,209	431.690,335	16,912	16,450
7							57	49	87.858	24.715,525	406.165,126	16,434	15,972
8	0	99.415	83.203,849	2.859.866,786	34,372	33,910	58	50	86.888	23.904,839	381.449,601	15,957	15,495
9	1	99.025	81.054,350	2.776.662,937	34,257	33,795	59	51	85.842	23.097,508	357.544,762	15,480	15,018
10	2	98.981	79.234,953	2.695.608,587	34,020	33,558	60	52	84.704	22.289,734	334.447,254	15,005	14,543
11	3	98.952	77.468,795	2.616.373,634	33,773	33,311	61	53	83.497	21.488,666	312.157,520	14,527	14,065
12	4	98.920	75.740,154	2.538.904,839	33,521	33,059	62	54	82.234	20.697,823	290.668,854	14,043	13,581
13	5	98.895	74.054,261	2.463.164,685	33,262	32,800	63	55	80.844	19.900,250	269.971,030	13,566	13,104
14	6	98.869	72.405,849	2.389.110,424	32,996	32,534	64	56	79.374	19.108,462	250.070,780	13,087	12,625
15	7	98.842	70.792,978	2.316.704,575	32,725	32,263	65	57	77.808	18.319,211	230.962,318	12,608	12,146
16	8	98.810	69.212,826	2.245.911,597	32,449	31,987	66	58	76.104	17.523,771	212.643,107	12,135	11,673
17	9	98.762	67.657,384	2.176.698,771	32,172	31,710	67	59	74.288	16.729,279	195.119,336	11,663	11,201
18	10	98.706	66.130,779	2.109.041,387	31,892	31,430	68	60	72.327	15.929,300	178.390,057	11,199	10,737
19	11	98.623	64.621,088	2.042.910,608	31,614	31,152	69	61	70.229	15.126,776	162.460,757	10,740	10,278
20	12	98.534	63.142,285	1.978.289,520	31,331	30,869	70	62	68.035	14.331,835	147.333,981	10,280	9,818
21	13	98.451	61.700,657	1.915.147,236	31,039	30,577	71	63	65.679	13.531,053	133.002,146	9,829	9,367
22	14	98.364	60.289,784	1.853.446,579	30,742	30,280	72	64	63.178	12.729,401	119.471,093	9,385	8,923
23	15	98.279	58.911,793	1.793.156,795	30,438	29,976	73	65	60.508	11.923,180	106.741,692	8,952	8,490
24	16	98.188	57.562,453	1.734.245,002	30,128	29,666	74	66	57.686	11.117,009	94.818,512	8,529	8,067
25	17	98.096	56.243,038	1.676.682,549	29,811	29,349	75	67	54.737	10.316,498	83.701,503	8,113	7,651
26	18	98.003	54.953,088	1.620.439,511	29,488	29,026	76	68	51.676	9.525,176	73.385,005	7,704	7,242
27	19	97.905	53.689,970	1.565.486,423	29,158	28,696	77	69	48.536	8.749,627	63.859,830	7,299	6,837
28	20	97.807	52.456,432	1.511.796,453	28,820	28,358	78	70	45.294	7.985,512	55.110,203	6,901	6,439
29	21	97.705	51.248,232	1.459.340,022	28,476	28,014	79	71	41.940	7.231,448	47.124,691	6,517	6,055
30	22	97.612	50.073,014	1.408.091,789	28,121	27,659	80	72	38.512	6.494,330	39.893,242	6,143	5,681
31	23	97.514	48.922,138	1.358.018,775	27,759	27,297	81	73	35.007	5.773,393	33.398,913	5,785	5,323
32	24	97.412	47.795,356	1.309.096,637	27,390	26,928	82	74	31.478	5.077,174	27.625,520	5,441	4,979
33	25	97.306	46.692,640	1.261.301,281	27,013	26,551	83	75	27.875	4.396,962	22.548,346	5,128	4,666
34	26	97.196	45.613,889	1.214.608,640	26,628	26,166	84	76	24.385	3.761,904	18.151,384	4,825	4,363
35	27	97.076	44.555,077	1.168.994,751	26,237	25,775	85	77	21.068	3.178,685	14.389,480	4,527	4,065
36	28	96.946	43.516,361	1.124.439,674	25,839	25,377	86	78	18.014	2.658,103	11.210,795	4,218	3,756
37	29	96.808	42.498,128	1.080.923,313	25,435	24,973	87	79	15.049	2.171,669	8.552,693	3,938	3,476
38	30	96.663	41.500,596	1.038.425,185	25,022	24,560	88	80	12.251	1.729,005	6.381,024	3,691	3,229
39	31	96.498	40.518,182	996.924,588	24,604	24,142	89	81	9.725	1.342,362	4.652,020	3,466	3,004
40	32	96.315	39.551,375	956.406,406	24,181	23,719	90	82	7.532	1.016,758	3.309,658	3,255	2,793
41	33	96.115	38.600,705	916.855,031	23,752	23,290	91	83	5.678	749,667	2.292,901	3,059	2,597
42	34	95.894	37.664,529	878.254,326	23,318	22,856	92	84	4.150	535,862	1.543,233	2,880	2,418
43	35	95.638	36.737,251	840.589,797	22,881	22,419	93	85	2.939	371,146	1.007,371	2,714	2,252
44	36	95.352	35.821,561	803.852,546	22,440	21,978	94	86	2.019	249,373	636,225	2,551	2,089
45	37	95.043	34.919,566	768.030,985	21,994	21,532	95	87	1.333	160,990	386,852	2,403	1,941
46	38	94.692	34.025,202	733.111,419	21,546	21,084	96	88	841	99,369	225,863	2,273	1,811
47	39	94.305	33.140,333	699.086,218	21,095	20,633	97	89	509	58,780	126,494	2,152	1,690
48	40	93.876	32.263,767	665.945,884	20,641	20,179	98	90	293	33,156	67,714	2,042	1,580
49	41	93.411	31.397,649	633.682,117	20,182	19,720	99	91	161	17,836	34,558	1,938	1,476
							100	92	84	9,040	16,722	1,850	1,388

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 9 Jahre

Zinsfuß 2,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	41	92.992	30.568,925	605.597,747	19,811	19,349
1							51	42	92.440	29.718,708	575.028,822	19,349	18,887
2							52	43	91.857	28.881,654	545.310,114	18,881	18,419
3							53	44	91.200	28.044,008	516.428,460	18,415	17,953
4							54	45	90.501	27.216,569	488.384,453	17,944	17,482
5							55	46	89.744	26.395,007	461.167,883	17,472	17,010
6							56	47	88.912	25.574,943	434.772,876	17,000	16,538
7							57	48	88.044	24.768,032	409.197,933	16,521	16,059
8							58	49	87.097	23.962,510	384.429,901	16,043	15,581
9	0	99.403	81.363,282	2.780.814,597	34,178	33,716	59	50	86.060	23.156,015	360.467,391	15,567	15,105
10	1	99.016	79.263,340	2.699.451,315	34,057	33,595	60	51	84.940	22.351,811	337.311,376	15,091	14,629
11	2	98.971	77.484,115	2.620.187,975	33,816	33,354	61	52	83.750	21.553,827	314.959,566	14,613	14,151
12	3	98.937	75.753,157	2.542.703,861	33,566	33,104	62	53	82.494	20.763,385	293.405,738	14,131	13,669
13	4	98.908	74.063,827	2.466.950,704	33,308	32,846	63	54	81.126	19.969,710	272.642,354	13,653	13,191
14	5	98.882	72.415,315	2.392.886,876	33,044	32,582	64	55	79.676	19.181,099	252.672,644	13,173	12,711
15	6	98.851	70.799,502	2.320.471,562	32,775	32,313	65	56	78.121	18.393,054	233.491,545	12,695	12,233
16	7	98.818	69.218,854	2.249.672,060	32,501	32,039	66	57	76.445	17.602,332	215.098,492	12,220	11,758
17	8	98.772	67.663,879	2.180.453,206	32,225	31,763	67	58	74.648	16.810,230	197.496,160	11,749	11,287
18	9	98.712	66.135,053	2.112.789,326	31,947	31,485	68	59	72.697	16.010,695	180.685,930	11,285	10,823
19	10	98.631	64.626,522	2.046.654,274	31,669	31,207	69	60	70.617	15.210,498	164.675,234	10,826	10,364
20	11	98.543	63.148,207	1.982.027,751	31,387	30,925	70	61	68.420	14.412,942	149.464,736	10,370	9,908
21	12	98.459	61.705,897	1.918.879,545	31,097	30,635	71	62	66.095	13.616,741	135.051,794	9,918	9,456
22	13	98.374	60.295,626	1.857.173,648	30,801	30,339	72	63	63.611	12.816,578	121.435,053	9,475	9,013
23	14	98.290	58.918,658	1.796.878,021	30,498	30,036	73	64	60.954	12.011,014	108.618,475	9,043	8,581
24	15	98.206	57.572,740	1.737.959,363	30,187	29,725	74	65	58.161	11.208,553	96.607,461	8,619	8,157
25	16	98.117	56.254,951	1.680.386,623	29,871	29,409	75	66	55.237	10.410,784	85.398,908	8,203	7,741
26	17	98.024	54.965,181	1.624.131,672	29,548	29,086	76	67	52.206	9.622,993	74.988,123	7,793	7,331
27	18	97.933	53.705,415	1.569.166,491	29,218	28,756	77	68	49.098	8.850,859	65.365,130	7,385	6,923
28	19	97.834	52.470,977	1.515.461,076	28,882	28,420	78	69	45.879	8.088,710	56.514,271	6,987	6,525
29	20	97.735	51.264,425	1.462.990,099	28,538	28,076	79	70	42.545	7.335,715	48.425,562	6,601	6,139
30	21	97.636	50.085,269	1.411.725,674	28,186	27,724	80	71	39.147	6.601,353	41.089,847	6,224	5,762
31	22	97.541	48.935,387	1.361.640,405	27,825	27,363	81	72	35.650	5.879,393	34.488,494	5,866	5,404
32	23	97.437	47.807,829	1.312.705,019	27,458	26,996	82	73	32.133	5.182,759	28.609,101	5,520	5,058
33	24	97.332	46.705,329	1.264.897,189	27,083	26,620	83	74	28.524	4.499,376	23.426,342	5,207	4,745
34	25	97.220	45.625,116	1.218.191,860	26,700	26,238	84	75	25.034	3.862,037	18.926,967	4,901	4,439
35	26	97.104	44.567,554	1.172.566,744	26,310	25,848	85	76	21.696	3.273,445	15.064,930	4,602	4,140
36	27	96.975	43.529,047	1.127.999,190	25,914	25,452	86	77	18.620	2.747,485	11.791,484	4,292	3,830
37	28	96.837	42.510,746	1.084.470,143	25,510	25,048	87	78	15.628	2.255,253	9.043,999	4,010	3,548
38	29	96.691	41.512,748	1.041.959,397	25,100	24,638	88	79	12.789	1.804,931	6.788,746	3,761	3,299
39	30	96.530	40.531,453	1.000.446,649	24,683	24,221	89	80	10.223	1.411,102	4.983,815	3,532	3,070
40	31	96.349	39.565,508	959.915,197	24,261	23,799	90	81	7.977	1.076,782	3.572,713	3,318	2,856
41	32	96.149	38.614,435	920.349,688	23,834	23,372	91	82	6.071	801,461	2.495,931	3,114	2,652
42	33	95.932	37.679,585	881.735,253	23,401	22,939	92	83	4.471	577,224	1.694,470	2,936	2,474
43	34	95.683	36.754,483	844.055,668	22,965	22,503	93	84	3.196	403,578	1.117,245	2,768	2,306
44	35	95.401	35.839,909	807.301,185	22,525	22,063	94	85	2.211	273,083	713,667	2,613	2,151
45	36	95.096	34.939,322	771.461,276	22,080	21,618	95	86	1.482	179,039	440,584	2,461	1,999
46	37	94.750	34.046,079	736.521,953	21,633	21,171	96	87	954	112,648	261,545	2,322	1,860
47	38	94.371	33.163,532	702.475,874	21,182	20,720	97	88	586	67,682	148,897	2,200	1,738
48	39	93.951	32.289,607	669.312,343	20,728	20,266	98	89	345	38,925	81,215	2,086	1,624
49	40	93.493	31.424,989	637.022,736	20,271	19,809	99	90	193	21,321	42,289	1,983	1,521
							100	91	103	11,124	20,968	1,885	1,423

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 10 Jahre

Zinsfuß 2,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	40	93,073	30.595,543	608.638,040	19,893	19,431
1							51	41	92,531	29.748,114	578.042,497	19,431	18,969
2							52	42	91,961	28.914,173	548.294,383	18,963	18,501
3							53	43	91,319	28.080,457	519.380,211	18,496	18,034
4							54	44	90,627	27.254,508	491.299,754	18,026	17,564
5							55	45	89,886	26.436,936	464.045,247	17,553	17,091
6							56	46	89,072	25.620,958	437.608,311	17,080	16,618
7							57	47	88,216	24.816,291	411.987,352	16,601	16,139
8							58	48	87,282	24.013,417	387.171,062	16,123	15,661
9							59	49	86,267	23.211,879	363.157,644	15,645	15,183
10	0	99,393	79.565,445	2.703.284,059	33,976	33,514	60	50	85,155	22.408,428	339.945,765	15,170	14,708
11	1	99,007	77.511,875	2.623.718,614	33,849	33,387	61	51	83,984	21.613,854	317.537,337	14,691	14,229
12	2	98,957	75.768,137	2.546.206,739	33,605	33,143	62	52	82,744	20.826,347	295.923,483	14,209	13,747
13	3	98,924	74.076,542	2.470.438,602	33,350	32,888	63	53	81,383	20.032,965	275.097,136	13,732	13,270
14	4	98,895	72.424,669	2.396.362,060	33,088	32,626	64	54	79,954	19.248,048	255.064,171	13,251	12,789
15	5	98,864	70.808,758	2.323.937,391	32,820	32,358	65	55	78,418	18.462,970	235.816,123	12,772	12,310
16	6	98,827	69.225,233	2.253.128,633	32,548	32,086	66	56	76,753	17.673,285	217.353,153	12,298	11,836
17	7	98,780	67.669,773	2.183.903,400	32,273	31,811	67	57	74,982	16.885,592	199.679,868	11,825	11,363
18	8	98,722	66.141,402	2.116.233,627	31,996	31,534	68	58	73,049	16.088,170	182.794,275	11,362	10,900
19	9	98,637	64.630,698	2.050.092,226	31,720	31,258	69	59	70,978	15.288,220	166.706,105	10,904	10,442
20	10	98,552	63.153,517	1.985.461,527	31,439	30,977	70	60	68,799	14.492,714	151.417,885	10,448	9,986
21	11	98,468	61.711,684	1.922.308,010	31,150	30,688	71	61	66,469	13.693,801	136.925,172	9,999	9,537
22	12	98,382	60.300,747	1.860.596,325	30,855	30,393	72	62	64,014	12.897,742	123.231,370	9,554	9,092
23	13	98,299	58.924,367	1.800.295,578	30,553	30,091	73	63	61,371	12.093,270	110.333,629	9,124	8,662
24	14	98,217	57.579,449	1.741.371,211	30,243	29,781	74	64	58,590	11.291,123	98.240,358	8,701	8,239
25	15	98,134	56.265,004	1.683.791,761	29,926	29,464	75	65	55,692	10.496,513	86.949,235	8,284	7,822
26	16	98,045	54.976,824	1.627.526,757	29,604	29,142	76	66	52,683	9.710,941	76.452,722	7,873	7,411
27	17	97,954	53.717,234	1.572.549,933	29,275	28,813	77	67	49,602	8.941,752	66.741,781	7,464	7,002
28	18	97,863	52.486,071	1.518.832,699	28,938	28,476	78	68	46,410	8.182,295	57.800,029	7,064	6,602
29	19	97,763	51.278,639	1.466.346,628	28,596	28,134	79	69	43,094	7.430,515	49.617,734	6,678	6,216
30	20	97,667	50.101,094	1.415.067,988	28,244	27,782	80	70	39,711	6.696,534	42.187,219	6,300	5,838
31	21	97,565	48.947,363	1.364.966,895	27,886	27,424	81	71	36,238	5.976,282	35.490,685	5,939	5,477
32	22	97,464	47.820,776	1.316.019,532	27,520	27,058	82	72	32,723	5.277,915	29.514,403	5,592	5,130
33	23	97,357	46.717,518	1.268.198,756	27,146	26,684	83	73	29,117	4.592,945	24.236,488	5,277	4,815
34	24	97,247	45.637,515	1.221.481,238	26,765	26,303	84	74	25,617	3.951,991	19.643,543	4,971	4,509
35	25	97,127	44.578,523	1.175.843,723	26,377	25,915	85	75	22,274	3.360,577	15.691,552	4,669	4,207
36	26	97,002	43.541,237	1.131.265,199	25,981	25,519	86	76	19,175	2.829,391	12.330,975	4,358	3,896
37	27	96,865	42.523,139	1.087.723,963	25,580	25,118	87	77	16,154	2.331,089	9.501,584	4,076	3,614
38	28	96,720	41.525,073	1.045.200,824	25,170	24,708	88	78	13,281	1.874,400	7.170,495	3,825	3,363
39	29	96,558	40.543,320	1.003.675,751	24,756	24,294	89	79	10,672	1.473,069	5.296,094	3,595	3,133
40	30	96,381	39.578,467	963.132,431	24,335	23,873	90	80	8,385	1.131,923	3.823,026	3,377	2,915
41	31	96,184	38.628,234	923.553,964	23,909	23,447	91	81	6,429	848,775	2.691,103	3,171	2,709
42	32	95,967	37.692,988	884.925,730	23,477	23,015	92	82	4,780	617,104	1.842,328	2,985	2,523
43	33	95,721	36.769,175	847.232,742	23,042	22,580	93	83	3,443	434,730	1.225,224	2,818	2,356
44	34	95,446	35.856,720	810.463,568	22,603	22,141	94	84	2,405	296,946	790,493	2,662	2,200
45	35	95,145	34.957,219	774.606,848	22,159	21,697	95	85	1,623	196,062	493,547	2,517	2,055
46	36	94,804	34.065,342	739.649,629	21,713	21,251	96	86	1,061	125,277	297,485	2,375	1,913
47	37	94,428	33.183,881	705.584,287	21,263	20,801	97	87	664	76,727	172,207	2,244	1,782
48	38	94,017	32.312,210	672.400,407	20,809	20,347	98	88	397	44,820	95,481	2,130	1,668
49	39	93,568	31.450,157	640.088,197	20,352	19,890	99	89	227	25,031	50,660	2,024	1,562
							100	90	123	13,298	25,629	1,927	1,465

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 11 Jahre

Zinsfuß 2,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	39	93.148	30.620,047	611.426,498	19,968	19,506
1							51	40	92.612	29.774,017	580.806,451	19,507	19,045
2							52	41	92.052	28.942,782	551.032,434	19,039	18,577
3							53	42	91.422	28.112,073	522.089,652	18,572	18,110
4							54	43	90.745	27.289,931	493.977,579	18,101	17,639
5							55	44	90.012	26.473,788	466.687,648	17,628	17,166
6							56	45	89.213	25.661,658	440.213,860	17,155	16,693
7							57	46	88.374	24.860,941	414.552,203	16,675	16,213
8							58	47	87.452	24.060,206	389.691,262	16,197	15,734
9							59	48	86.451	23.261,191	365.631,056	15,719	15,256
10							60	49	85.360	22.462,489	342.369,865	15,242	14,780
11	0	99.384	77.807,304	2.627.256,788	33,766	33,304	61	50	84.196	21.668,603	319.907,376	14,764	14,302
12	1	98.992	75.795,283	2.549.449,484	33,636	33,174	62	51	82.975	20.884,348	298.238,773	14,280	13,818
13	2	98.944	74.091,191	2.473.654,201	33,387	32,925	63	52	81.630	20.093,712	277.354,425	13,803	13,341
14	3	98.912	72.437,102	2.399.563,010	33,126	32,664	64	53	80.207	19.309,017	257.260,713	13,323	12,861
15	4	98.876	70.817,904	2.327.125,907	32,861	32,399	65	54	78.692	18.527,413	237.951,696	12,843	12,381
16	5	98.840	69.234,284	2.256.308,003	32,589	32,127	66	55	77.045	17.740,466	219.424,283	12,369	11,907
17	6	98.790	67.676,009	2.187.073,719	32,317	31,855	67	56	75.285	16.953,656	201.683,817	11,896	11,434
18	7	98.730	66.147,163	2.119.397,711	32,041	31,579	68	57	73.376	16.160,295	184.730,161	11,431	10,969
19	8	98.647	64.636,903	2.053.250,548	31,766	31,304	69	58	71.322	15.362,199	168.569,866	10,973	10,511
20	9	98.558	63.157,598	1.988.613,645	31,487	31,025	70	59	69.151	14.566,768	153.207,667	10,518	10,056
21	10	98.477	61.716,874	1.925.456,047	31,198	30,736	71	60	66.837	13.769,593	138.640,899	10,069	9,607
22	11	98.391	60.306,403	1.863.739,172	30,904	30,442	72	61	64.376	12.970,733	124.871,307	9,627	9,165
23	12	98.308	58.929,372	1.803.432,770	30,603	30,141	73	62	61.760	12.169,854	111.900,574	9,195	8,733
24	13	98.227	57.585,029	1.744.503,397	30,294	29,832	74	63	58.991	11.368,449	99.730,720	8,773	8,311
25	14	98.146	56.271,561	1.686.918,368	29,978	29,516	75	64	56.102	10.573,838	88.362,270	8,357	7,895
26	15	98.063	54.986,648	1.630.646,808	29,655	29,193	76	65	53.117	9.790,907	77.788,433	7,945	7,483
27	16	97.975	53.728,612	1.575.660,159	29,326	28,864	77	66	50.055	9.023,474	67.997,525	7,536	7,074
28	17	97.884	52.497,622	1.521.931,547	28,990	28,528	78	67	46.887	8.266,322	58.974,052	7,134	6,672
29	18	97.791	51.293,391	1.469.433,925	28,648	28,186	79	68	43.593	7.516,485	50.707,730	6,746	6,284
30	19	97.694	50.114,986	1.418.140,534	28,298	27,836	80	69	40.225	6.783,074	43.191,245	6,368	5,905
31	20	97.595	48.962,828	1.368.025,548	27,940	27,478	81	70	36.760	6.062,451	36.408,171	6,006	5,544
32	21	97.488	47.832,479	1.319.062,720	27,577	27,115	82	71	33.262	5.364,892	30.345,720	5,656	5,194
33	22	97.384	46.730,170	1.271.230,241	27,204	26,742	83	72	29.652	4.677,272	24.980,828	5,341	4,879
34	23	97.272	45.649,425	1.224.500,071	26,824	26,362	84	73	26.150	4.034,177	20.303,556	5,033	4,571
35	24	97.154	44.590,638	1.178.850,646	26,437	25,975	85	74	22.793	3.438,851	16.269,379	4,731	4,269
36	25	97.026	43.551,953	1.134.260,008	26,044	25,582	86	75	19.686	2.904,703	12.830,528	4,417	3,955
37	26	96.892	42.535,047	1.090.708,055	25,643	25,181	87	76	16.635	2.400,582	9.925,825	4,135	3,673
38	27	96.748	41.537,178	1.048.173,008	25,235	24,773	88	77	13.728	1.937,430	7.525,243	3,884	3,422
39	28	96.587	40.555,358	1.006.635,829	24,821	24,359	89	78	11.083	1.529,765	5.587,813	3,653	3,191
40	29	96.409	39.590,055	966.080,472	24,402	23,940	90	79	8.753	1.181,629	4.058,048	3,434	2,972
41	30	96.215	38.640,885	926.490,417	23,977	23,515	91	80	6.758	892,240	2.876,419	3,224	2,762
42	31	96.001	37.706,457	887.849,531	23,546	23,084	92	81	5.062	653,535	1.984,179	3,036	2,574
43	32	95.755	36.782,254	850.143,074	23,113	22,651	93	82	3.681	464,765	1.330,644	2,863	2,401
44	33	95.484	35.871,053	813.360,821	22,675	22,213	94	83	2.590	319,867	865,879	2,707	2,245
45	34	95.190	34.973,615	777.489,768	22,231	21,769	95	84	1.765	213,195	546,012	2,561	2,099
46	35	94.852	34.082,791	742.516,152	21,786	21,324	96	85	1.161	137,189	332,817	2,426	1,964
47	36	94.482	33.202,655	708.433,362	21,337	20,875	97	86	739	85,329	195,628	2,293	1,831
48	37	94.075	32.332,036	675.230,706	20,884	20,422	98	87	450	50,810	110,299	2,171	1,709
49	38	93.633	31.472,172	642.898,670	20,428	19,966	99	88	261	28,822	59,489	2,064	1,602
							100	89	144	15,612	30,667	1,964	1,502

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 12 Jahre

Zinsfuß 2,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	38	93.213	30.641,481	613.982,029	20,038	19,576
1							51	39	92.686	29.797,863	583.340,548	19,577	19,115
2							52	40	92.132	28.967,984	553.542,686	19,109	18,647
3							53	41	91.512	28.139,889	524.574,702	18,642	18,180
4							54	42	90.847	27.320,657	496.434,813	18,171	17,709
5							55	43	90.129	26.508,196	469.114,155	17,697	17,235
6							56	44	89.338	25.697,429	442.605,959	17,224	16,762
7							57	45	88.515	24.900,433	416.908,531	16,743	16,281
8							58	46	87.610	24.103,495	392.008,098	16,264	15,802
9							59	47	86.619	23.306,514	367.904,603	15,785	15,323
10							60	48	85.542	22.510,209	344.598,088	15,309	14,847
11							61	49	84.399	21.720,879	322.087,879	14,828	14,366
12	0	99.370	76.084,170	2.552.716,056	33,551	33,089	62	50	83.185	20.937,249	300.367,000	14,346	13,884
13	1	98.980	74.117,736	2.476.631,887	33,415	32,953	63	51	81.857	20.149,673	279.429,751	13,868	13,406
14	2	98.931	72.451,427	2.402.514,151	33,160	32,698	64	52	80.450	19.367,569	259.280,078	13,387	12,925
15	3	98.893	70.830,062	2.330.062,724	32,897	32,435	65	53	78.941	18.586,099	239.912,509	12,908	12,446
16	4	98.853	69.243,227	2.259.232,662	32,627	32,165	66	54	77.314	17.802,387	221.326,410	12,432	11,970
17	5	98.802	67.684,857	2.189.989,435	32,356	31,894	67	55	75.571	17.018,102	203.524,023	11,959	11,497
18	6	98.740	66.153,258	2.122.304,579	32,082	31,620	68	56	73.672	16.225,435	186.505,922	11,495	11,033
19	7	98.656	64.642,533	2.056.151,320	31,808	31,346	69	57	71.642	15.431,069	170.280,486	11,035	10,573
20	8	98.567	63.163,662	1.991.508,788	31,529	31,067	70	58	69.485	14.637,255	154.849,417	10,579	10,117
21	9	98.483	61.720,863	1.928.345,126	31,243	30,781	71	59	67.178	13.839,952	140.212,162	10,131	9,669
22	10	98.400	60.311,475	1.866.624,264	30,950	30,488	72	60	64.732	13.042,522	126.372,210	9,689	9,227
23	11	98.317	58.934,899	1.806.312,789	30,649	30,187	73	61	62.110	12.238,726	113.329,688	9,260	8,798
24	12	98.235	57.589,920	1.747.377,890	30,342	29,880	74	62	59.365	11.440,443	101.090,962	8,836	8,374
25	13	98.155	56.277,013	1.689.787,970	30,026	29,564	75	63	56.487	10.646,252	89.650,519	8,421	7,959
26	14	98.074	54.993,056	1.633.510,957	29,704	29,242	76	64	53.508	9.863,034	79.004,267	8,010	7,548
27	15	97.992	53.738,214	1.578.517,900	29,374	28,912	77	65	50.467	9.097,779	69.141,234	7,600	7,138
28	16	97.905	52.508,742	1.524.779,686	29,039	28,577	78	66	47.315	8.341,871	60.043,455	7,198	6,736
29	17	97.812	51.304,679	1.472.270,944	28,697	28,235	79	67	44.041	7.593,675	51.701,584	6,809	6,346
30	18	97.722	50.129,402	1.420.966,265	28,346	27,884	80	68	40.690	6.861,553	44.107,909	6,428	5,966
31	19	97.622	48.976,405	1.370.836,863	27,990	27,528	81	69	37.235	6.140,797	37.246,356	6,065	5,603
32	20	97.518	47.847,592	1.321.860,458	27,626	27,164	82	70	33.742	5.442,245	31.105,560	5,716	5,254
33	21	97.408	46.741,606	1.274.012,866	27,257	26,794	83	71	30.140	4.754,351	25.663,314	5,398	4,936
34	22	97.298	45.661,788	1.227.271,260	26,877	26,415	84	72	26.630	4.108,245	20.908,964	5,090	4,627
35	23	97.179	44.602,275	1.181.609,472	26,492	26,030	85	73	23.267	3.510,365	16.800,719	4,786	4,324
36	24	97.052	43.563,789	1.137.007,197	26,100	25,638	86	74	20.144	2.972,359	13.290,353	4,471	4,009
37	25	96.916	42.545,516	1.093.443,408	25,701	25,239	87	75	17.078	2.464,480	10.317,994	4,187	3,725
38	26	96.775	41.548,810	1.050.897,892	25,293	24,831	88	76	14.137	1.995,187	7.853,514	3,936	3,474
39	27	96.615	40.567,180	1.009.349,082	24,881	24,419	89	77	11.456	1.581,206	5.858,327	3,705	3,243
40	28	96.438	39.601,810	968.781,902	24,463	24,001	90	78	9.090	1.227,108	4.277,122	3,486	3,024
41	29	96.243	38.652,199	929.180,092	24,040	23,577	91	79	7.055	931,421	3.050,013	3,275	2,813
42	30	96.032	37.718,807	890.527,893	23,610	23,148	92	80	5.321	687,002	2.118,592	3,084	2,622
43	31	95.789	36.795,397	852.809,086	23,177	22,715	93	81	3.898	492,203	1.431,590	2,909	2,447
44	32	95.518	35.883,812	816.013,689	22,740	22,278	94	82	2.769	341,966	939,387	2,747	2,285
45	33	95.228	34.987,596	780.129,877	22,297	21,835	95	83	1.901	229,651	597,421	2,601	2,139
46	34	94.897	34.098,777	745.142,281	21,852	21,390	96	84	1.263	149,177	367,770	2,465	2,003
47	35	94.530	33.219,662	711.043,504	21,404	20,942	97	85	809	93,442	218,593	2,339	1,877
48	36	94.128	32.350,329	677.823,842	20,953	20,491	98	86	500	56,506	125,151	2,215	1,753
49	37	93.691	31.491,483	645.473,513	20,497	20,035	99	87	296	32,674	68,644	2,101	1,639
							100	88	166	17,976	35,970	2,001	1,539

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 13 Jahre

Zinsfuß 2,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	37	93.270	30.660,282	616.322,676	20,102	19,640
1							51	38	92.751	29.818,721	585.662,394	19,641	19,179
2							52	39	92.206	28.991,184	555.843,672	19,173	18,711
3							53	40	91.592	28.164,392	526.852,488	18,706	18,244
4							54	41	90.937	27.347,690	498.688,096	18,235	17,773
5							55	42	90.230	26.538,043	471.340,406	17,761	17,299
6							56	43	89.454	25.730,828	444.802,363	17,287	16,825
7							57	44	88.638	24.935,143	419.071,536	16,806	16,344
8							58	45	87.749	24.141,784	394.136,393	16,326	15,864
9							59	46	86.775	23.348,448	369.994,608	15,847	15,385
10							60	47	85.709	22.554,069	346.646,161	15,370	14,908
11							61	48	84.579	21.767,024	324.092,092	14,889	14,427
12							62	49	83.386	20.987,760	302.325,068	14,405	13,943
13	0	99.357	74.400,228	2.479.648,442	33,329	32,866	63	50	82.065	20.200,712	281.337,308	13,927	13,465
14	1	98.967	72.477,384	2.405.248,213	33,186	32,724	64	51	80.674	19.421,507	261.136,595	13,446	12,984
15	2	98.913	70.844,069	2.332.770,829	32,928	32,466	65	52	79.181	18.642,459	241.715,088	12,966	12,504
16	3	98.870	69.255,114	2.261.926,760	32,661	32,199	66	53	77.559	17.858,777	223.072,629	12,491	12,029
17	4	98.815	67.693,600	2.192.671,646	32,391	31,929	67	54	75.834	17.077,501	205.213,852	12,017	11,555
18	5	98.752	66.161,907	2.124.978,046	32,118	31,656	68	55	73.952	16.287,112	188.136,351	11,551	11,089
19	6	98.665	64.648,490	2.058.816,139	31,846	31,384	69	56	71.930	15.493,270	171.849,238	11,092	10,630
20	7	98.576	63.169,163	1.994.167,649	31,569	31,107	70	57	69.797	14.702,876	156.355,968	10,634	10,172
21	8	98.493	61.726,788	1.930.998,486	31,283	30,821	71	58	67.504	13.906,923	141.653,093	10,186	9,724
22	9	98.406	60.315,372	1.869.271,698	30,992	30,530	72	59	65.063	13.109,166	127.746,170	9,745	9,283
23	10	98.325	58.939,855	1.808.956,326	30,692	30,230	73	60	62.453	12.306,463	114.637,004	9,315	8,853
24	11	98.244	57.595,321	1.750.016,471	30,385	29,923	74	61	59.701	11.505,187	102.330,540	8,894	8,432
25	12	98.164	56.281,793	1.692.421,150	30,070	29,608	75	62	56.844	10.713,672	90.825,354	8,478	8,016
26	13	98.084	54.998,385	1.636.139,357	29,749	29,287	76	63	53.875	9.930,580	80.111,682	8,067	7,605
27	14	98.004	53.744,476	1.581.140,971	29,420	28,958	77	64	50.839	9.164,799	70.181,102	7,658	7,196
28	15	97.922	52.518,125	1.527.396,495	29,083	28,621	78	65	47.705	8.410,563	61.016,303	7,255	6,793
29	16	97.833	51.315,546	1.474.878,369	28,741	28,279	79	66	44.443	7.663,076	52.605,739	6,865	6,403
30	17	97.743	50.140,434	1.423.562,823	28,392	27,929	80	67	41.108	6.932,017	44.942,664	6,483	6,021
31	18	97.651	48.990,494	1.373.422,389	28,034	27,572	81	68	37.666	6.211,845	38.010,646	6,119	5,657
32	19	97.545	47.860,860	1.324.431,895	27,673	27,211	82	69	34.178	5.512,576	31.798,801	5,768	5,306
33	20	97.438	46.756,375	1.276.571,035	27,303	26,841	83	70	30.575	4.822,901	26.286,226	5,450	4,988
34	21	97.322	45.672,963	1.229.814,661	26,927	26,465	84	71	27.069	4.175,946	21.463,324	5,140	4,678
35	22	97.205	44.614,354	1.184.141,698	26,542	26,080	85	72	23.694	3.574,816	17.287,378	4,836	4,374
36	23	97.077	43.575,158	1.139.527,344	26,151	25,689	86	73	20.563	3.034,172	13.712,562	4,519	4,057
37	24	96.943	42.557,078	1.095.952,187	25,753	25,291	87	74	17.476	2.521,882	10.678,390	4,234	3,772
38	25	96.799	41.559,037	1.053.395,109	25,347	24,885	88	75	14.513	2.048,294	8.156,507	3,982	3,520
39	26	96.642	40.578,540	1.011.836,072	24,935	24,473	89	76	11.797	1.628,344	6.108,213	3,751	3,289
40	27	96.466	39.613,354	971.257,532	24,518	24,056	90	77	9.396	1.268,372	4.479,869	3,532	3,070
41	28	96.272	38.663,675	931.644,177	24,096	23,634	91	78	7.327	967,271	3.211,498	3,320	2,858
42	29	96.060	37.729,851	892.980,502	23,668	23,206	92	79	5.555	717,170	2.244,227	3,129	2,667
43	30	95.820	36.807,449	855.250,651	23,236	22,774	93	80	4.098	517,408	1.527,057	2,951	2,489
44	31	95.552	35.896,635	818.443,203	22,800	22,338	94	81	2.933	362,154	1.009,649	2,788	2,326
45	32	95.262	35.000,041	782.546,568	22,358	21,896	95	82	2.033	245,518	647,495	2,637	2,175
46	33	94.935	34.112,407	747.546,527	21,914	21,452	96	83	1.360	160,692	401,977	2,502	2,040
47	34	94.575	33.235,244	713.434,120	21,466	21,004	97	84	880	101,608	241,285	2,375	1,913
48	35	94.176	32.366,900	680.198,876	21,015	20,553	98	85	548	61,879	139,678	2,257	1,795
49	36	93.744	31.509,300	647.831,976	20,560	20,098	99	86	329	36,337	77,799	2,141	1,679
							100	87	189	20,379	41,462	2,035	1,573

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 14 Jahre

Zinsfuß 2,25%

Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	36	93.323	30.677,629	618.466,297	20,160	19,698
1							51	37	92.808	29.837,018	587.788,668	19,700	19,238
2							52	38	92.270	29.011,478	557.951,650	19,232	18,770
3							53	39	91.665	28.186,949	528.940,172	18,765	18,303
4							54	40	91.016	27.371,503	500.753,223	18,295	17,833
5							55	41	90.319	26.564,301	473.381,721	17,820	17,358
6							56	42	89.555	25.759,799	446.817,419	17,346	16,884
7							57	43	88.753	24.967,551	421.057,620	16,864	16,402
8							58	44	87.871	24.175,437	396.090,069	16,384	15,922
9							59	45	86.913	23.385,537	371.914,632	15,904	15,442
10							60	46	85.863	22.594,649	348.529,095	15,425	14,963
11							61	47	84.744	21.809,435	325.934,446	14,945	14,483
12							62	48	83.563	21.032,347	304.125,011	14,460	13,998
13							63	49	82.263	20.249,447	283.092,663	13,980	13,518
14	0	99.344	72.753,625	2.408.034,881	33,098	32,636	64	50	80.879	19.470,703	262.843,216	13,499	13,037
15	1	98.948	70.869,450	2.335.281,256	32,952	32,490	65	51	79.401	18.694,378	243.372,514	13,018	12,556
16	2	98.890	69.268,810	2.264.411,805	32,690	32,228	66	52	77.794	17.912,931	224.678,135	12,543	12,081
17	3	98.832	67.705,221	2.195.142,996	32,422	31,960	67	53	76.075	17.131,595	206.765,204	12,069	11,607
18	4	98.765	66.170,453	2.127.437,775	32,151	31,689	68	54	74.210	16.343,961	189.633,609	11,603	11,141
19	5	98.678	64.656,942	2.061.267,321	31,880	31,418	69	55	72.204	15.552,164	173.289,649	11,142	10,680
20	6	98.585	63.174,984	1.996.610,380	31,604	31,142	70	56	70.078	14.762,142	157.737,485	10,685	10,223
21	7	98.501	61.732,164	1.933.435,395	31,320	30,858	71	57	67.806	13.969,269	142.975,343	10,235	9,773
22	8	98.415	60.321,162	1.871.703,231	31,029	30,567	72	58	65.378	13.172,601	129.006,075	9,794	9,332
23	9	98.332	58.943,664	1.811.382,069	30,731	30,269	73	59	62.772	12.369,347	115.833,474	9,365	8,903
24	10	98.252	57.600,165	1.752.438,405	30,424	29,962	74	60	60.031	11.568,865	103.464,128	8,943	8,481
25	11	98.173	56.287,072	1.694.838,240	30,111	29,649	75	61	57.166	10.774,303	91.895,263	8,529	8,067
26	12	98.092	55.003,057	1.638.551,168	29,790	29,328	76	62	54.216	9.993,468	81.120,960	8,117	7,655
27	13	98.013	53.749,684	1.583.548,111	29,462	29,000	77	63	51.187	9.227,563	71.127,492	7,708	7,246
28	14	97.934	52.524,246	1.529.798,427	29,126	28,664	78	64	48.056	8.472,521	61.899,929	7,306	6,844
29	15	97.850	51.324,717	1.477.274,181	28,783	28,321	79	65	44.809	7.726,178	53.427,408	6,915	6,453
30	16	97.764	50.151,055	1.425.949,465	28,433	27,971	80	66	41.484	6.995,371	45.701,229	6,533	6,071
31	17	97.672	49.001,275	1.375.798,410	28,077	27,615	81	67	38.053	6.275,637	38.705,858	6,168	5,706
32	18	97.573	47.874,628	1.326.797,135	27,714	27,252	82	68	34.573	5.576,356	32.430,221	5,816	5,354
33	19	97.465	46.769,339	1.278.922,507	27,345	26,883	83	69	30.970	4.885,228	26.853,865	5,497	5,035
34	20	97.353	45.687,393	1.232.153,167	26,969	26,507	84	70	27.459	4.236,157	21.968,638	5,186	4,724
35	21	97.229	44.625,272	1.186.465,774	26,587	26,125	85	71	24.084	3.633,727	17.732,481	4,880	4,418
36	22	97.104	43.586,958	1.141.840,502	26,197	25,735	86	72	20.940	3.089,880	14.098,753	4,563	4,101
37	23	96.968	42.568,184	1.098.253,543	25,800	25,338	87	73	17.839	2.574,327	11.008,873	4,276	3,814
38	24	96.825	41.570,330	1.055.685,359	25,395	24,933	88	74	14.851	2.096,003	8.434,546	4,024	3,562
39	25	96.666	40.588,528	1.014.115,029	24,985	24,523	89	75	12.111	1.671,686	6.338,543	3,792	3,330
40	26	96.493	39.624,448	973.526,501	24,569	24,107	90	76	9.676	1.306,184	4.666,857	3,573	3,111
41	27	96.300	38.674,946	933.902,053	24,147	23,685	91	77	7.573	999,796	3.360,673	3,361	2,899
42	28	96.089	37.741,053	895.227,107	23,720	23,258	92	78	5.768	744,773	2.360,877	3,170	2,708
43	29	95.849	36.818,226	857.486,054	23,290	22,828	93	79	4.277	540,129	1.616,104	2,992	2,530
44	30	95.583	35.908,392	820.667,828	22,854	22,392	94	80	3.083	380,700	1.075,975	2,826	2,364
45	31	95.296	35.012,548	784.759,436	22,414	21,952	95	81	2.153	260,012	695,275	2,674	2,212
46	32	94.968	34.124,541	749.746,889	21,971	21,509	96	82	1.454	171,794	435,263	2,534	2,072
47	33	94.612	33.248,529	715.622,348	21,523	21,061	97	83	947	109,451	263,469	2,407	1,945
48	34	94.220	32.382,081	682.373,819	21,073	20,611	98	84	596	67,286	154,019	2,289	1,827
49	35	93.792	31.525,440	649.991,738	20,618	20,156	99	85	360	39,792	86,732	2,180	1,718
							100	86	210	22,663	46,940	2,071	1,609

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 15 Jahre

Zinsfuß 2,25%

Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	35	93.371	30.693,343	620.429,194	20,214	19,752
1							51	36	92.860	29.853,899	589.735,851	19,754	19,292
2							52	37	92.327	29.029,279	559.881,952	19,287	18,825
3							53	38	91.729	28.206,680	530.852,673	18,820	18,358
4							54	39	91.089	27.393,425	502.645,993	18,349	17,887
5							55	40	90.398	26.587,432	475.252,568	17,875	17,413
6							56	41	89.643	25.785,288	448.665,137	17,400	16,938
7							57	42	88.853	24.995,663	422.879,849	16,918	16,456
8							58	43	87.985	24.206,858	397.884,186	16,437	15,975
9							59	44	87.034	23.418,136	373.677,328	15,957	15,495
10							60	45	85.999	22.630,541	350.259,193	15,477	15,015
11							61	46	84.896	21.848,675	327.628,652	14,995	14,533
12							62	47	83.726	21.073,328	305.779,976	14,510	14,048
13							63	48	82.437	20.292,466	284.706,649	14,030	13,568
14							64	49	81.074	19.517,676	264.414,183	13,547	13,085
15	0	99.326	71.139,563	2.337.856,717	32,863	32,401	65	50	79.602	18.741,732	244.896,507	13,067	12,605
16	1	98.925	69.293,626	2.266.717,154	32,712	32,250	66	51	78.011	17.962,818	226.154,775	12,590	12,128
17	2	98.852	67.718,610	2.197.423,528	32,449	31,987	67	52	76.305	17.183,544	208.191,957	12,116	11,654
18	3	98.782	66.181,813	2.129.704,918	32,180	31,718	68	53	74.445	16.395,731	191.008,413	11,650	11,188
19	4	98.690	64.665,294	2.063.523,105	31,911	31,449	69	54	72.456	15.606,447	174.612,682	11,188	10,726
20	5	98.598	63.183,244	1.998.857,811	31,636	31,174	70	55	70.344	14.818,256	159.006,235	10,730	10,268
21	6	98.510	61.737,853	1.935.674,567	31,353	30,891	71	56	68.079	14.025,577	144.187,979	10,280	9,818
22	7	98.424	60.326,416	1.873.936,714	31,063	30,601	72	57	65.671	13.231,655	130.162,401	9,837	9,375
23	8	98.341	58.949,323	1.813.610,298	30,766	30,304	73	58	63.076	12.429,201	116.930,747	9,408	8,946
24	9	98.259	57.603,887	1.754.660,975	30,461	29,999	74	59	60.338	11.627,979	104.501,546	8,987	8,525
25	10	98.181	56.291,806	1.697.057,088	30,147	29,685	75	60	57.482	10.833,935	92.873,567	8,572	8,110
26	11	98.101	55.008,215	1.640.765,283	29,828	29,366	76	61	54.523	10.050,023	82.039,632	8,163	7,701
27	12	98.022	53.754,250	1.585.757,067	29,500	29,038	77	62	51.511	9.285,999	71.989,609	7,752	7,290
28	13	97.943	52.529,335	1.532.002,818	29,165	28,703	78	63	48.386	8.530,545	62.703,610	7,350	6,888
29	14	97.862	51.330,698	1.479.473,482	28,822	28,360	79	64	45.139	7.783,095	54.173,065	6,960	6,498
30	15	97.782	50.160,017	1.428.142,785	28,472	28,010	80	65	41.825	7.052,976	46.389,970	6,577	6,115
31	16	97.693	49.011,654	1.377.982,767	28,115	27,653	81	66	38.401	6.332,992	39.336,994	6,211	5,749
32	17	97.595	47.885,164	1.328.971,113	27,753	27,291	82	67	34.928	5.633,621	33.004,002	5,858	5,396
33	18	97.493	46.782,794	1.281.085,949	27,384	26,922	83	68	31.328	4.941,749	27.370,381	5,539	5,077
34	19	97.380	45.700,062	1.234.303,156	27,009	26,547	84	69	27.814	4.290,901	22.428,632	5,227	4,765
35	20	97.260	44.639,372	1.188.603,094	26,627	26,165	85	70	24.432	3.686,120	18.137,730	4,921	4,459
36	21	97.128	43.597,626	1.143.963,722	26,239	25,777	86	71	21.286	3.140,800	14.451,610	4,601	4,139
37	22	96.994	42.579,712	1.100.366,097	25,842	25,380	87	72	18.167	2.621,592	11.310,811	4,314	3,852
38	23	96.851	41.581,179	1.057.786,385	25,439	24,977	88	73	15.160	2.139,591	8.689,218	4,061	3,599
39	24	96.692	40.599,558	1.016.205,206	25,030	24,568	89	74	12.393	1.710,623	6.549,627	3,829	3,367
40	25	96.517	39.634,200	975.605,648	24,615	24,153	90	75	9.934	1.340,951	4.839,004	3,609	3,147
41	26	96.327	38.685,777	935.971,447	24,194	23,732	91	76	7.799	1.029,602	3.498,053	3,397	2,935
42	27	96.117	37.752,055	897.285,670	23,768	23,306	92	77	5.962	769,817	2.468,451	3,207	2,745
43	28	95.877	36.829,157	859.533,615	23,338	22,876	93	78	4.442	560,918	1.698,634	3,028	2,566
44	29	95.611	35.918,906	822.704,458	22,904	22,442	94	79	3.218	397,418	1.137,716	2,863	2,401
45	30	95.327	35.024,015	786.785,552	22,464	22,002	95	80	2.263	273,327	740,299	2,708	2,246
46	31	95.002	34.136,735	751.761,537	22,022	21,560	96	81	1.540	181,936	466,972	2,567	2,105
47	32	94.646	33.260,356	717.624,802	21,576	21,114	97	82	1.013	117,012	285,036	2,436	1,974
48	33	94.258	32.395,025	684.364,446	21,126	20,664	98	83	642	72,480	168,024	2,318	1,856
49	34	93.836	31.540,227	651.969,421	20,671	20,209	99	84	392	43,269	95,544	2,208	1,746
							100	85	230	24,818	52,275	2,106	1,644

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 16 Jahre

Zinsfuß 2,25%

Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	34	93.414	30.707,739	622.226,620	20,263	19,801
1							51	35	92.908	29.869,191	591.518,881	19,804	19,342
2							52	36	92.379	29.045,704	561.649,690	19,337	18,875
3							53	37	91.786	28.223,987	532.603,986	18,871	18,409
4							54	38	91.153	27.412,600	504.379,999	18,400	17,938
5							55	39	90.470	26.608,726	476.967,399	17,925	17,463
6							56	40	89.721	25.807,740	450.358,673	17,451	16,989
7							57	41	88.941	25.020,395	424.550,933	16,968	16,506
8							58	42	88.085	24.234,113	399.530,538	16,486	16,024
9							59	43	87.147	23.448,572	375.296,425	16,005	15,543
10							60	44	86.119	22.662,087	351.847,853	15,526	15,064
11							61	45	85.031	21.883,382	329.185,766	15,043	14,581
12							62	46	83.876	21.111,243	307.302,383	14,556	14,094
13							63	47	82.598	20.332,004	286.191,140	14,076	13,614
14							64	48	81.246	19.559,140	265.859,136	13,593	13,131
15							65	49	79.794	18.786,947	246.299,996	13,110	12,648
16	0	99.302	69.557,733	2.269.098,670	32,622	32,160	66	50	78.208	18.008,318	227.513,049	12,634	12,172
17	1	98.887	67.742,871	2.199.540,937	32,469	32,007	67	51	76.518	17.231,400	209.504,731	12,158	11,696
18	2	98.802	66.194,901	2.131.798,066	32,205	31,743	68	52	74.671	16.445,449	192.273,331	11,692	11,230
19	3	98.707	64.676,395	2.065.603,165	31,938	31,475	69	53	72.685	15.655,881	175.827,882	11,231	10,769
20	4	98.611	63.191,405	2.000.926,770	31,665	31,203	70	54	70.590	14.869,978	160.172,001	10,772	10,309
21	5	98.523	61.745,925	1.937.735,364	31,382	30,920	71	55	68.338	14.078,892	145.302,023	10,321	9,859
22	6	98.433	60.331,976	1.875.989,440	31,094	30,632	72	56	65.936	13.284,990	131.223,131	9,878	9,416
23	7	98.350	58.954,457	1.815.657,464	30,798	30,336	73	57	63.359	12.484,922	117.938,141	9,446	8,984
24	8	98.268	57.609,417	1.756.703,007	30,493	30,031	74	58	60.630	11.684,246	105.453,219	9,025	8,563
25	9	98.187	56.295,443	1.699.093,590	30,182	29,720	75	59	57.776	10.889,294	93.768,973	8,611	8,149
26	10	98.109	55.012,841	1.642.798,147	29,862	29,400	76	60	54.825	10.105,647	82.879,679	8,201	7,739
27	11	98.031	53.759,291	1.587.785,306	29,535	29,073	77	61	51.803	9.338,551	72.774,032	7,793	7,331
28	12	97.952	52.533,797	1.534.026,015	29,201	28,739	78	62	48.692	8.584,566	63.435,481	7,389	6,927
29	13	97.871	51.335,672	1.481.492,218	28,859	28,397	79	63	45.448	7.836,397	54.850,915	7,000	6,537
30	14	97.793	50.165,863	1.430.156,546	28,509	28,047	80	64	42.133	7.104,933	47.014,518	6,617	6,155
31	15	97.710	49.020,413	1.379.990,683	28,151	27,689	81	65	38.717	6.385,142	39.909,585	6,250	5,788
32	16	97.616	47.895,307	1.330.970,270	27,789	27,327	82	66	35.248	5.685,109	33.524,443	5,897	5,435
33	17	97.515	46.793,089	1.283.074,963	27,420	26,958	83	67	31.650	4.992,498	27.839,334	5,576	5,114
34	18	97.408	45.713,208	1.236.281,874	27,044	26,582	84	68	28.136	4.340,546	22.846,836	5,264	4,802
35	19	97.287	44.651,750	1.190.568,666	26,663	26,201	85	69	24.747	3.733,756	18.506,290	4,956	4,494
36	20	97.158	43.611,400	1.145.916,917	26,276	25,814	86	70	21.592	3.186,085	14.772,534	4,637	4,175
37	21	97.018	42.590,133	1.102.305,516	25,882	25,420	87	71	18.466	2.664,795	11.586,449	4,348	3,886
38	22	96.877	41.592,440	1.059.715,383	25,479	25,017	88	72	15.438	2.178,875	8.921,654	4,095	3,633
39	23	96.717	40.610,153	1.018.122,944	25,071	24,609	89	73	12.651	1.746,197	6.742,779	3,861	3,399
40	24	96.543	39.644,971	977.512,790	24,657	24,195	90	74	10.165	1.372,184	4.996,582	3,641	3,179
41	25	96.351	38.695,299	937.867,819	24,237	23,775	91	75	8.006	1.057,007	3.624,398	3,429	2,967
42	26	96.144	37.762,627	899.172,521	23,811	23,349	92	76	6.140	792,766	2.567,391	3,239	2,777
43	27	95.905	36.839,894	861.409,893	23,383	22,921	93	77	4.591	579,779	1.774,624	3,061	2,599
44	28	95.640	35.929,570	824.570,000	22,950	22,488	94	78	3.342	412,714	1.194,845	2,895	2,433
45	29	95.355	35.034,270	788.640,429	22,511	22,049	95	79	2.362	285,329	782,131	2,741	2,279
46	30	95.034	34.147,916	753.606,160	22,069	21,607	96	80	1.619	191,252	496,802	2,598	2,136
47	31	94.680	33.272,241	719.458,244	21,623	21,161	97	81	1.073	123,920	305,549	2,466	2,004
48	32	94.291	32.406,548	686.186,003	21,174	20,712	98	82	686	77,488	181,629	2,344	1,882
49	33	93.873	31.552,835	653.779,455	20,720	20,258	99	83	422	46,609	104,141	2,234	1,772
							100	84	250	26,987	57,532	2,132	1,670

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 17 Jahre

Zinsfuß 2,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	33	93.452	30.720,014	623.871,713	20,308	19,846
1							51	34	92.951	29.883,200	593.151,699	19,849	19,387
2							52	35	92.427	29.060,581	563.268,498	19,383	18,921
3							53	36	91.837	28.239,956	534.207,917	18,917	18,455
4							54	37	91.209	27.429,420	505.967,961	18,446	17,984
5							55	38	90.534	26.627,352	478.538,541	17,972	17,510
6							56	39	89.793	25.828,409	451.911,189	17,497	17,035
7							57	40	89.019	25.042,182	426.082,779	17,015	16,553
8							58	41	88.172	24.258,092	401.040,598	16,532	16,070
9							59	42	87.245	23.474,974	376.782,506	16,050	15,588
10							60	43	86.231	22.691,541	353.307,532	15,570	15,108
11							61	44	85.149	21.913,887	330.615,991	15,087	14,625
12							62	45	84.010	21.144,779	308.702,104	14,599	14,137
13							63	46	82.747	20.368,586	287.557,325	14,118	13,656
14							64	47	81.404	19.597,250	267.188,739	13,634	13,172
15							65	48	79.964	18.826,858	247.591,489	13,151	12,689
16							66	49	78.397	18.051,764	228.764,631	12,673	12,211
17	0	99.264	68.001,067	2.201.744,385	32,378	31,916	67	50	76.712	17.275,048	210.712,867	12,198	11,736
18	1	98.837	66.218,616	2.133.743,318	32,223	31,761	68	51	74.879	16.491,249	193.437,819	11,730	11,268
19	2	98.727	64.689,185	2.067.524,702	31,961	31,499	69	52	72.906	15.703,356	176.946,570	11,268	10,806
20	3	98.628	63.202,254	2.002.835,517	31,689	31,227	70	53	70.813	14.917,079	161.243,215	10,809	10,347
21	4	98.536	61.753,900	1.939.633,263	31,409	30,947	71	54	68.577	14.128,033	146.326,136	10,357	9,895
22	5	98.446	60.339,863	1.877.879,363	31,122	30,660	72	55	66.186	13.335,490	132.198,103	9,913	9,451
23	6	98.359	58.959,890	1.817.539,499	30,827	30,365	73	56	63.614	12.535,248	118.862,613	9,482	9,020
24	7	98.277	57.614,435	1.758.579,609	30,523	30,061	74	57	60.902	11.736,627	106.327,365	9,059	8,597
25	8	98.197	56.300,848	1.700.965,175	30,212	29,750	75	58	58.056	10.941,987	94.590,738	8,645	8,183
26	9	98.116	55.016,396	1.644.664,327	29,894	29,432	76	59	55.105	10.157,284	83.648,751	8,235	7,773
27	10	98.039	53.763,812	1.589.647,931	29,567	29,105	77	60	52.090	9.390,237	73.491,467	7,826	7,364
28	11	97.961	52.538,724	1.535.884,118	29,233	28,771	78	61	48.967	8.633,148	64.101,230	7,425	6,963
29	12	97.880	51.340,032	1.483.345,394	28,893	28,431	79	62	45.736	7.886,023	55.468,082	7,034	6,572
30	13	97.802	50.170,724	1.432.005,362	28,543	28,081	80	63	42.422	7.153,590	47.582,059	6,651	6,189
31	14	97.722	49.026,126	1.381.834,639	28,186	27,724	81	64	39.002	6.432,179	40.428,469	6,285	5,823
32	15	97.633	47.903,866	1.332.808,513	27,823	27,361	82	65	35.538	5.731,924	33.996,290	5,931	5,469
33	16	97.536	46.803,001	1.284.904,647	27,453	26,991	83	66	31.939	5.038,126	28.264,366	5,610	5,148
34	17	97.429	45.723,268	1.238.101,647	27,078	26,616	84	67	28.425	4.385,121	23.226,240	5,297	4,835
35	18	97.315	44.664,595	1.192.378,378	26,696	26,234	85	68	25.034	3.776,955	18.841,119	4,988	4,526
36	19	97.185	43.623,493	1.147.713,784	26,310	25,848	86	69	21.872	3.227,259	15.064,163	4,668	4,206
37	20	97.049	42.603,589	1.104.090,290	25,915	25,453	87	70	18.732	2.703,217	11.836,904	4,379	3,917
38	21	96.901	41.602,619	1.061.486,701	25,515	25,053	88	71	15.693	2.214,781	9.133,687	4,124	3,662
39	22	96.743	40.621,151	1.019.884,082	25,107	24,645	89	72	12.883	1.778,258	6.918,906	3,891	3,429
40	23	96.568	39.655,317	979.262,931	24,694	24,232	90	73	10.376	1.400,720	5.140,649	3,670	3,208
41	24	96.377	38.705,814	939.607,614	24,276	23,814	91	74	8.193	1.081,627	3.739,928	3,458	2,996
42	25	96.168	37.771,921	900.901,800	23,851	23,389	92	75	6.303	813,868	2.658,301	3,266	2,804
43	26	95.932	36.850,210	863.129,878	23,423	22,961	93	76	4.728	597,063	1.844,433	3,089	2,627
44	27	95.668	35.940,044	826.279,668	22,991	22,528	94	77	3.454	426,592	1.247,370	2,924	2,462
45	28	95.383	35.044,672	790.339,623	22,552	22,090	95	78	2.453	296,311	820,778	2,770	2,308
46	29	95.061	34.157,914	755.294,952	22,112	21,650	96	79	1.690	199,651	524,467	2,627	2,165
47	30	94.711	33.283,138	721.137,037	21,667	21,205	97	80	1.128	130,266	324,816	2,493	2,031
48	31	94.325	32.418,128	687.853,899	21,218	20,756	98	81	726	82,062	194,550	2,371	1,909
49	32	93.906	31.564,058	655.435,771	20,765	20,303	99	82	451	49,829	112,488	2,257	1,795
							100	83	269	29,070	62,658	2,155	1,693

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 18 Jahre

Zinsfuß 2,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	32	93.485	30.730,942	625.377,152	20,350	19,888
1							51	33	92.989	29.895,146	594.646,210	19,891	19,429
2							52	34	92.470	29.074,212	564.751,064	19,424	18,962
3							53	35	91.884	28.254,421	535.676,852	18,959	18,497
4							54	36	91.260	27.444,939	507.422,431	18,489	18,027
5							55	37	90.589	26.643,690	479.977,492	18,015	17,553
6							56	38	89.856	25.846,489	453.333,802	17,539	17,077
7							57	39	89.090	25.062,238	427.487,312	17,057	16,595
8							58	40	88.248	24.279,214	402.425,074	16,575	16,113
9							59	41	87.331	23.498,202	378.145,860	16,093	15,631
10							60	42	86.328	22.717,090	354.647,658	15,611	15,149
11							61	43	85.260	21.942,368	331.930,568	15,127	14,665
12							62	44	84.127	21.174,254	309.988,200	14,640	14,178
13							63	45	82.878	20.400,942	288.813,946	14,157	13,695
14							64	46	81.551	19.632,510	268.413,004	13,672	13,210
15							65	47	80.120	18.863,541	248.780,495	13,188	12,726
16							66	48	78.563	18.090,114	229.916,953	12,710	12,248
17							67	49	76.897	17.316,724	211.826,840	12,233	11,770
18	0	99.214	66.471,003	2.135.783,285	32,131	31,669	68	50	75.069	16.533,022	194.510,115	11,765	11,303
19	1	98.762	64.712,361	2.069.312,282	31,977	31,515	69	51	73.109	15.747,089	177.977,093	11,302	10,840
20	2	98.647	63.214,752	2.004.599,921	31,711	31,249	70	52	71.028	14.962,313	162.230,004	10,843	10,381
21	3	98.553	61.764,502	1.941.385,169	31,432	30,970	71	53	68.794	14.172,784	147.267,691	10,391	9,929
22	4	98.459	60.347,658	1.879.620,667	31,147	30,685	72	54	66.417	13.382,036	133.094,907	9,946	9,484
23	5	98.372	58.967,598	1.819.273,009	30,852	30,390	73	55	63.856	12.582,897	119.712,872	9,514	9,052
24	6	98.286	57.619,744	1.760.305,411	30,550	30,088	74	56	61.147	11.783,937	107.129,974	9,091	8,629
25	7	98.205	56.305,751	1.702.685,667	30,240	29,778	75	57	58.316	10.991,041	95.346,038	8,675	8,213
26	8	98.125	55.021,678	1.646.379,915	29,922	29,460	76	58	55.371	10.206,435	84.354,997	8,265	7,803
27	9	98.046	53.767,286	1.591.358,237	29,597	29,135	77	59	52.356	9.438,219	74.148,562	7,856	7,394
28	10	97.969	52.543,142	1.537.590,951	29,263	28,801	78	60	49.239	8.680,930	64.710,344	7,454	6,992
29	11	97.889	51.344,847	1.485.047,808	28,923	28,461	79	61	45.995	7.930,651	56.029,413	7,065	6,603
30	12	97.811	50.174,985	1.433.702,961	28,574	28,112	80	62	42.690	7.198,892	48.098,762	6,681	6,219
31	13	97.731	49.030,876	1.383.527,976	28,217	27,755	81	63	39.269	6.476,230	40.899,870	6,315	5,853
32	14	97.644	47.909,448	1.334.497,100	27,855	27,393	82	64	35.800	5.774,149	34.423,640	5,962	5,500
33	15	97.553	46.811,365	1.286.587,652	27,485	27,022	83	65	32.202	5.079,613	28.649,491	5,640	5,178
34	16	97.450	45.732,953	1.239.776,287	27,109	26,647	84	66	28.685	4.425,198	23.569,878	5,326	4,864
35	17	97.336	44.674,424	1.194.043,334	26,728	26,266	85	67	25.291	3.815,742	19.144,680	5,017	4,555
36	18	97.213	43.636,043	1.149.368,910	26,340	25,878	86	68	22.125	3.264,598	15.328,938	4,696	4,233
37	19	97.075	42.615,403	1.105.732,867	25,947	25,485	87	69	18.974	2.738,151	12.064,339	4,406	3,944
38	20	96.931	41.615,763	1.063.117,465	25,546	25,084	88	70	15.919	2.246,715	9.326,189	4,151	3,689
39	21	96.767	40.631,092	1.021.501,701	25,141	24,679	89	71	13.096	1.807,562	7.079,474	3,917	3,455
40	22	96.594	39.666,057	980.870,609	24,728	24,266	90	72	10.567	1.426,438	5.271,911	3,696	3,234
41	23	96.402	38.715,915	941.204,552	24,311	23,849	91	73	8.363	1.104,121	3.845,473	3,483	3,021
42	24	96.194	37.782,186	902.488,637	23,887	23,425	92	74	6.450	832,825	2.741,353	3,292	2,830
43	25	95.955	36.859,280	864.706,451	23,460	22,998	93	75	4.854	612,956	1.908,528	3,114	2,652
44	26	95.694	35.950,109	827.847,171	23,028	22,566	94	76	3.557	439,309	1.295,573	2,949	2,487
45	27	95.411	35.054,888	791.897,062	22,590	22,128	95	77	2.536	306,275	856,263	2,796	2,334
46	28	95.090	34.168,056	756.842,174	22,151	21,689	96	78	1.755	207,335	549,988	2,653	2,191
47	29	94.739	33.292,883	722.674,118	21,707	21,245	97	79	1.177	135,986	342,653	2,520	2,058
48	30	94.356	32.428,746	689.381,235	21,258	20,796	98	80	764	86,264	206,667	2,396	1,934
49	31	93.940	31.575,337	656.952,489	20,806	20,344	99	81	478	52,771	120,402	2,282	1,820
							100	82	288	31,079	67,631	2,176	1,714

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 19 Jahre

Zinsfuß 2,25%

Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	31	93.518	30.741,923	626.755,827	20,388	19,926
1							51	32	93.022	29.905,780	596.013,904	19,930	19,468
2							52	33	92.507	29.085,834	566.108,124	19,463	19,001
3							53	34	91.928	28.267,673	537.022,290	18,998	18,536
4							54	35	91.307	27.458,997	508.754,617	18,528	18,066
5							55	36	90.641	26.658,765	481.295,620	18,054	17,592
6							56	37	89.911	25.862,349	454.636,855	17,579	17,117
7							57	38	89.152	25.079,782	428.774,506	17,096	16,634
8							58	39	88.319	24.298,660	403.694,725	16,614	16,152
9							59	40	87.407	23.518,662	379.396,065	16,132	15,670
10							60	41	86.413	22.739,568	355.877,403	15,650	15,188
11							61	42	85.356	21.967,074	333.137,835	15,165	14,703
12							62	43	84.236	21.201,774	311.170,761	14,677	14,215
13							63	44	82.994	20.429,380	289.968,987	14,194	13,732
14							64	45	81.680	19.663,696	269.539,607	13,707	13,245
15							65	46	80.264	18.897,481	249.875,910	13,223	12,761
16							66	47	78.716	18.125,361	230.978,430	12,743	12,281
17							67	48	77.060	17.353,513	212.853,068	12,266	11,804
18							68	49	75.250	16.572,908	195.499,556	11,796	11,334
19	0	99.139	64.959,007	2.071.202,090	31,885	31,423	69	50	73.294	15.786,977	178.926,648	11,334	10,872
20	1	98.683	63.237,400	2.006.243,083	31,726	31,264	70	51	71.226	15.003,983	163.139,671	10,873	10,411
21	2	98.572	61.776,716	1.943.005,683	31,452	30,990	71	52	69.003	14.215,761	148.135,688	10,421	9,959
22	3	98.475	60.358,018	1.881.228,967	31,168	30,706	72	53	66.628	13.424,424	133.919,927	9,976	9,514
23	4	98.384	58.975,215	1.820.870,949	30,875	30,413	73	54	64.079	12.626,817	120.495,503	9,543	9,081
24	5	98.299	57.627,277	1.761.895,734	30,574	30,112	74	55	61.380	11.828,730	107.868,686	9,119	8,657
25	6	98.215	56.310,940	1.704.268,457	30,265	29,803	75	56	58.551	11.035,344	96.039,956	8,703	8,241
26	7	98.134	55.026,470	1.647.957,517	29,948	29,486	76	57	55.620	10.252,191	85.004,612	8,291	7,829
27	8	98.055	53.772,448	1.592.931,046	29,624	29,162	77	58	52.609	9.483,890	74.752,420	7,882	7,420
28	9	97.975	52.546,538	1.539.158,598	29,291	28,829	78	59	49.490	8.725,288	65.268,531	7,480	7,018
29	10	97.897	51.349,165	1.486.612,061	28,951	28,489	79	60	46.250	7.974,545	56.543,243	7,090	6,628
30	11	97.820	50.179,691	1.435.262,895	28,602	28,140	80	61	42.932	7.239,632	48.568,698	6,709	6,247
31	12	97.739	49.035,041	1.385.083,205	28,247	27,785	81	62	39.518	6.517,242	41.329,066	6,341	5,879
32	13	97.654	47.914,091	1.336.048,164	27,884	27,422	82	63	36.045	5.813,693	34.811,824	5,988	5,526
33	14	97.564	46.816,820	1.288.134,073	27,514	27,052	83	64	32.439	5.117,033	28.998,131	5,667	5,205
34	15	97.467	45.741,126	1.241.317,253	27,138	26,676	84	65	28.921	4.461,638	23.881,098	5,353	4,891
35	16	97.357	44.683,887	1.195.576,127	26,756	26,294	85	66	25.522	3.850,615	19.419,460	5,043	4,581
36	17	97.234	43.645,645	1.150.892,240	26,369	25,907	86	67	22.352	3.298,124	15.568,844	4,721	4,259
37	18	97.103	42.627,662	1.107.246,595	25,975	25,513	87	68	19.194	2.769,831	12.270,721	4,430	3,968
38	19	96.958	41.627,303	1.064.618,933	25,575	25,113	88	69	16.125	2.275,749	9.500,890	4,175	3,713
39	20	96.798	40.643,930	1.022.991,630	25,170	24,708	89	70	13.285	1.833,625	7.225,140	3,940	3,478
40	21	96.618	39.675,764	982.347,700	24,759	24,297	90	71	10.741	1.449,945	5.391,516	3,718	3,256
41	22	96.428	38.726,400	942.671,936	24,342	23,880	91	72	8.517	1.124,392	3.941,571	3,506	3,043
42	23	96.219	37.792,046	903.945,536	23,919	23,457	92	73	6.584	850,144	2.817,179	3,314	2,852
43	24	95.981	36.869,297	866.153,490	23,493	23,031	93	74	4.967	627,233	1.967,035	3,136	2,674
44	25	95.718	35.958,957	829.284,193	23,062	22,600	94	75	3.652	451,002	1.339,802	2,971	2,509
45	26	95.438	35.064,705	793.325,236	22,625	22,163	95	76	2.611	315,406	888,799	2,818	2,356
46	27	95.117	34.178,017	758.260,531	22,186	21,724	96	77	1.814	214,307	573,394	2,676	2,214
47	28	94.767	33.302,768	724.082,515	21,742	21,280	97	78	1.222	141,220	359,087	2,543	2,081
48	29	94.384	32.438,241	690.779,746	21,295	20,833	98	79	797	90,053	217,866	2,419	1,957
49	30	93.971	31.585,679	658.341,505	20,843	20,381	99	80	502	55,473	127,814	2,304	1,842
							100	81	305	32,913	72,341	2,198	1,736

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 20 Jahre

Zinsfuß 2,25%

Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	30	93.549	30.751,992	628.018,515	20,422	19,960
1							51	31	93.055	29.916,466	597.266,523	19,964	19,502
2							52	32	92.540	29.096,180	567.350,057	19,499	19,037
3							53	33	91.964	28.278,973	538.253,877	19,034	18,572
4							54	34	91.350	27.471,877	509.974,905	18,564	18,102
5							55	35	90.687	26.672,420	482.503,028	18,090	17,628
6							56	36	89.962	25.876,981	455.830,608	17,615	17,153
7							57	37	89.207	25.095,170	429.953,627	17,133	16,671
8							58	38	88.381	24.315,669	404.858,457	16,650	16,188
9							59	39	87.477	23.537,499	380.542,788	16,168	15,705
10							60	40	86.489	22.759,368	357.005,289	15,686	15,224
11							61	41	85.441	21.988,810	334.245,921	15,201	14,739
12							62	42	84.331	21.225,646	312.257,111	14,711	14,249
13							63	43	83.101	20.455,932	291.031,466	14,227	13,765
14							64	44	81.794	19.691,107	270.575,533	13,741	13,279
15							65	45	80.391	18.927,500	250.884,427	13,255	12,793
16							66	46	78.858	18.157,973	231.956,927	12,774	12,312
17							67	47	77.210	17.387,325	213.798,954	12,296	11,834
18							68	48	75.409	16.608,116	196.411,629	11,826	11,364
19							69	49	73.471	15.825,063	179.803,513	11,362	10,900
20	0	99.059	63.478,424	2.007.994,954	31,633	31,171	70	50	71.406	15.041,988	163.978,450	10,901	10,439
21	1	98.608	61.798,849	1.944.516,531	31,465	31,003	71	51	69.195	14.253,352	148.936,462	10,448	9,986
22	2	98.495	60.369,954	1.882.717,682	31,186	30,724	72	52	66.830	13.465,132	134.681,110	10,002	9,540
23	3	98.401	58.985,340	1.822.347,728	30,895	30,433	73	53	64.282	12.666,813	121.215,978	9,570	9,108
24	4	98.311	57.634,721	1.763.362,388	30,595	30,133	74	54	61.594	11.870,017	108.549,166	9,145	8,683
25	5	98.227	56.318,302	1.705.727,667	30,287	29,825	75	55	58.774	11.077,293	96.679,148	8,728	8,266
26	6	98.143	55.031,541	1.649.409,365	29,972	29,510	76	56	55.844	10.293,517	85.601,856	8,316	7,854
27	7	98.063	53.777,132	1.594.377,824	29,648	29,186	77	57	52.845	9.526,407	75.308,339	7,905	7,443
28	8	97.985	52.551,582	1.540.600,692	29,316	28,854	78	58	49.730	8.767,509	65.781,932	7,503	7,041
29	9	97.903	51.352,483	1.488.049,110	28,977	28,515	79	59	46.486	8.015,293	57.014,424	7,113	6,651
30	10	97.828	50.183,911	1.436.696,626	28,629	28,167	80	60	43.170	7.279,701	48.999,130	6,731	6,269
31	11	97.748	49.039,640	1.386.512,715	28,273	27,811	81	61	39.741	6.554,124	41.719,429	6,365	5,903
32	12	97.662	47.918,160	1.337.473,076	27,912	27,450	82	62	36.273	5.850,510	35.165,305	6,011	5,549
33	13	97.574	46.821,356	1.289.554,915	27,542	27,080	83	63	32.662	5.152,077	29.314,795	5,690	5,228
34	14	97.479	45.746,456	1.242.733,559	27,166	26,704	84	64	29.134	4.494,506	24.162,718	5,376	4,914
35	15	97.374	44.691,872	1.196.987,103	26,783	26,321	85	65	25.732	3.882,324	19.668,213	5,066	4,604
36	16	97.255	43.654,890	1.152.295,231	26,396	25,934	86	66	22.556	3.328,266	15.785,889	4,743	4,281
37	17	97.125	42.637,043	1.108.640,340	26,002	25,540	87	67	19.391	2.798,275	12.457,622	4,452	3,990
38	18	96.986	41.639,278	1.066.003,297	25,601	25,139	88	68	16.311	2.302,080	9.659,347	4,196	3,734
39	19	96.825	40.655,200	1.024.364,019	25,196	24,734	89	69	13.456	1.857,321	7.357,267	3,961	3,499
40	20	96.649	39.688,300	983.708,819	24,786	24,324	90	70	10.896	1.470,851	5.499,947	3,739	3,277
41	21	96.452	38.735,878	944.020,519	24,371	23,909	91	71	8.657	1.142,922	4.029,096	3,525	3,063
42	22	96.245	37.802,281	905.284,642	23,948	23,486	92	72	6.705	865,753	2.886,174	3,334	2,872
43	23	96.007	36.878,919	867.482,361	23,522	23,060	93	73	5.071	640,277	2.020,422	3,156	2,694
44	24	95.744	35.968,729	830.603,442	23,092	22,630	94	74	3.737	461,507	1.380,145	2,991	2,529
45	25	95.461	35.073,335	794.634,713	22,656	22,194	95	75	2.681	323,801	918,638	2,837	2,375
46	26	95.144	34.187,588	759.561,378	22,217	21,755	96	76	1.868	220,696	594,837	2,695	2,233
47	27	94.794	33.312,477	725.373,790	21,775	21,313	97	77	1.264	145,969	374,141	2,563	2,101
48	28	94.412	32.447,872	692.061,314	21,328	20,866	98	78	828	93,519	228,172	2,440	1,978
49	29	93.998	31.594,927	659.613,442	20,877	20,415	99	79	524	57,909	134,653	2,325	1,863
							100	80	320	34,599	76,744	2,218	1,756

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 21 Jahre

Zinsfuß 2,25%

Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	29	93.576	30.760,996	629.174,805	20,454	19,992
1							51	30	93.085	29.926,264	598.413,809	19,996	19,534
2							52	31	92.573	29.106,577	568.487,545	19,531	19,069
3							53	32	91.997	28.289,032	539.380,968	19,067	18,605
4							54	33	91.386	27.482,858	511.091,936	18,597	18,135
5							55	34	90.729	26.684,930	483.609,078	18,123	17,661
6							56	35	90.008	25.890,236	456.924,148	17,649	17,186
7							57	36	89.258	25.109,369	431.033,912	17,166	16,704
8							58	37	88.435	24.330,589	405.924,543	16,684	16,222
9							59	38	87.539	23.553,975	381.593,954	16,201	15,739
10							60	39	86.558	22.777,596	358.039,979	15,719	15,257
11							61	40	85.515	22.007,956	335.262,383	15,234	14,772
12							62	41	84.414	21.246,648	313.254,427	14,744	14,282
13							63	42	83.195	20.478,964	292.007,779	14,259	13,797
14							64	43	81.900	19.716,699	271.528,815	13,772	13,309
15							65	44	80.503	18.953,884	251.812,116	13,286	12,823
16							66	45	78.983	18.186,817	232.858,232	12,804	12,342
17							67	46	77.349	17.418,608	214.671,415	12,324	11,862
18							68	47	75.556	16.640,476	197.252,806	11,854	11,392
19							69	48	73.627	15.858,683	180.612,330	11,389	10,927
20							70	49	71.579	15.078,277	164.753,648	10,927	10,465
21	0	98.983	62.034,390	1.946.141,636	31,372	30,910	71	50	69.370	14.291,461	149.675,370	10,473	10,011
22	1	98.530	60.391,582	1.884.107,246	31,198	30,736	72	51	67.016	13.502,632	135.383,909	10,026	9,564
23	2	98.421	58.997,004	1.823.715,664	30,912	30,450	73	52	64.477	12.705,223	121.881,277	9,593	9,131
24	3	98.328	57.644,616	1.764.718,659	30,614	30,152	74	53	61.789	11.907,616	109.176,054	9,169	8,707
25	4	98.240	56.325,577	1.707.074,044	30,307	29,845	75	54	58.979	11.115,957	97.268,438	8,750	8,288
26	5	98.156	55.038,736	1.650.748,467	29,992	29,530	76	55	56.056	10.332,645	86.152,482	8,338	7,876
27	6	98.072	53.782,087	1.595.709,731	29,670	29,208	77	56	53.058	9.564,807	75.819,837	7,927	7,465
28	7	97.993	52.556,159	1.541.927,643	29,339	28,877	78	57	49.953	8.806,814	66.255,030	7,523	7,061
29	8	97.913	51.357,413	1.489.371,484	29,000	28,538	79	58	46.711	8.054,079	57.448,216	7,133	6,671
30	9	97.835	50.187,154	1.438.014,071	28,653	28,191	80	59	43.390	7.316,899	49.394,137	6,751	6,289
31	10	97.757	49.043,764	1.387.826,917	28,298	27,836	81	60	39.961	6.590,400	42.077,238	6,385	5,923
32	11	97.671	47.922,654	1.338.783,153	27,936	27,474	82	61	36.478	5.883,619	35.486,839	6,031	5,569
33	12	97.582	46.825,333	1.290.860,498	27,568	27,106	83	62	32.868	5.184,704	29.603,220	5,710	5,248
34	13	97.488	45.750,889	1.244.035,165	27,191	26,729	84	63	29.334	4.525,286	24.418,516	5,396	4,934
35	14	97.386	44.697,080	1.198.284,276	26,809	26,347	85	64	25.922	3.910,924	19.893,230	5,087	4,625
36	15	97.272	43.662,692	1.153.587,196	26,420	25,958	86	65	22.742	3.355,673	15.982,306	4,763	4,301
37	16	97.145	42.646,074	1.109.924,504	26,026	25,564	87	66	19.568	2.823,850	12.626,633	4,471	4,009
38	17	97.007	41.648,441	1.067.278,430	25,626	25,164	88	67	16.479	2.325,721	9.802,783	4,215	3,753
39	18	96.852	40.666,895	1.025.629,988	25,220	24,758	89	68	13.612	1.878,810	7.477,063	3,980	3,518
40	19	96.675	39.699,305	984.963,093	24,811	24,349	90	69	11.037	1.489,859	5.598,253	3,758	3,296
41	20	96.482	38.748,116	945.263,788	24,395	23,933	91	70	8.782	1.159,401	4.108,394	3,544	3,082
42	21	96.268	37.811,532	906.515,672	23,975	23,513	92	71	6.816	880,020	2.948,994	3,351	2,889
43	22	96.033	36.888,906	868.704,139	23,549	23,087	93	72	5.164	652,032	2.068,974	3,173	2,711
44	23	95.769	35.978,116	831.815,233	23,120	22,658	94	73	3.815	471,105	1.416,941	3,008	2,546
45	24	95.487	35.082,866	795.837,117	22,684	22,222	95	74	2.743	331,343	945,837	2,855	2,393
46	25	95.167	34.196,002	760.754,251	22,247	21,785	96	75	1.918	226,570	614,494	2,712	2,250
47	26	94.821	33.321,805	726.558,249	21,804	21,342	97	76	1.301	150,321	387,924	2,581	2,119
48	27	94.439	32.457,331	693.236,444	21,358	20,896	98	77	856	96,663	237,603	2,458	1,996
49	28	94.026	31.604,308	660.779,112	20,908	20,446	99	78	544	60,138	140,940	2,344	1,882
							100	79	334	36,118	80,802	2,237	1,775

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 22 Jahre

Zinsfuß 2,25%

Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	28	93.604	30.770,129	630.234,537	20,482	20,020
1							51	29	93.113	29.935,027	599.464,408	20,026	19,564
2							52	30	92.603	29.116,110	569.529,381	19,561	19,099
3							53	31	92.030	28.299,140	540.413,271	19,096	18,634
4							54	32	91.419	27.492,634	512.114,131	18,627	18,165
5							55	33	90.766	26.695,597	484.621,497	18,154	17,692
6							56	34	90.050	25.902,379	457.925,900	17,679	17,217
7							57	35	89.303	25.122,230	432.023,521	17,197	16,735
8							58	36	88.485	24.344,354	406.901,290	16,714	16,252
9							59	37	87.592	23.568,428	382.556,936	16,232	15,770
10							60	38	86.619	22.793,541	358.988,508	15,750	15,288
11							61	39	85.583	22.025,582	336.194,968	15,264	14,802
12							62	40	84.488	21.265,148	314.169,385	14,774	14,312
13							63	41	83.277	20.499,227	292.904,237	14,289	13,827
14							64	42	81.993	19.738,899	272.405,010	13,800	13,338
15							65	43	80.608	18.978,518	252.666,111	13,313	12,851
16							66	44	79.093	18.212,169	233.687,592	12,831	12,369
17							67	45	77.472	17.446,278	215.475,424	12,351	11,889
18							68	46	75.692	16.670,416	198.029,145	11,879	11,417
19							69	47	73.770	15.889,582	181.358,729	11,414	10,952
20							70	48	71.731	15.110,310	165.469,147	10,951	10,489
21							71	49	69.537	14.325,939	150.358,837	10,496	10,034
22	0	98.906	60.621,759	1.885.615,760	31,105	30,643	72	50	67.186	13.536,834	136.032,897	10,049	9,587
23	1	98.456	59.018,141	1.824.994,001	30,923	30,461	73	51	64.657	12.740,607	122.496,063	9,615	9,153
24	2	98.348	57.656,015	1.765.975,860	30,630	30,168	74	52	61.976	11.943,724	109.755,456	9,189	8,727
25	3	98.257	56.335,247	1.708.319,845	30,324	29,862	75	53	59.166	11.151,167	97.811,732	8,771	8,309
26	4	98.168	55.045,845	1.651.984,598	30,011	29,549	76	54	56.252	10.368,710	86.660,565	8,358	7,896
27	5	98.085	53.789,119	1.596.938,753	29,689	29,227	77	55	53.260	9.601,165	76.291,855	7,946	7,484
28	6	98.002	52.561,003	1.543.149,634	29,359	28,897	78	56	50.154	8.842,314	66.690,690	7,542	7,080
29	7	97.921	51.361,886	1.490.588,631	29,021	28,559	79	57	46.920	8.090,186	57.848,376	7,150	6,688
30	8	97.844	50.191,972	1.439.226,745	28,674	28,212	80	58	43.600	7.352,305	49.758,190	6,768	6,306
31	9	97.763	49.046,933	1.389.034,773	28,321	27,859	81	59	40.166	6.624,075	42.405,886	6,402	5,940
32	10	97.680	47.926,685	1.339.987,840	27,959	27,497	82	60	36.680	5.916,183	35.781,811	6,048	5,586
33	11	97.591	46.829,725	1.292.061,155	27,591	27,129	83	61	33.054	5.214,045	29.865,628	5,728	5,266
34	12	97.497	45.754,775	1.245.231,430	27,215	26,753	84	62	29.519	4.553,944	24.651,583	5,413	4,951
35	13	97.395	44.701,411	1.199.476,655	26,833	26,371	85	63	26.099	3.937,707	20.097,639	5,104	4,642
36	14	97.284	43.667,780	1.154.775,244	26,445	25,983	86	64	22.909	3.380,394	16.159,932	4,780	4,318
37	15	97.163	42.653,695	1.111.107,464	26,050	25,587	87	65	19.729	2.847,103	12.779,538	4,489	4,027
38	16	97.028	41.657,263	1.068.453,768	25,649	25,187	88	66	16.630	2.346,976	9.932,435	4,232	3,770
39	17	96.874	40.675,845	1.026.796,505	25,243	24,781	89	67	13.752	1.898,104	7.585,459	3,996	3,534
40	18	96.703	39.710,725	986.120,660	24,833	24,371	90	68	11.165	1.507,096	5.687,355	3,774	3,312
41	19	96.509	38.758,861	946.409,935	24,418	23,956	91	69	8.896	1.174,384	4.180,259	3,560	3,098
42	20	96.299	37.823,479	907.651,074	23,997	23,535	92	70	6.914	892,708	3.005,875	3,367	2,905
43	21	96.056	36.897,934	869.827,595	23,574	23,112	93	71	5.249	662,777	2.113,167	3,188	2,726
44	22	95.795	35.987,860	832.929,661	23,145	22,683	94	72	3.885	479,754	1.450,390	3,023	2,561
45	23	95.512	35.092,022	796.941,802	22,710	22,248	95	73	2.800	338,234	970,635	2,870	2,408
46	24	95.193	34.205,295	761.849,780	22,273	21,811	96	74	1.963	231,847	632,402	2,728	2,266
47	25	94.844	33.330,007	727.644,485	21,832	21,369	97	75	1.336	154,322	400,554	2,596	2,134
48	26	94.466	32.466,421	694.314,478	21,386	20,924	98	76	881	99,545	246,232	2,474	2,012
49	27	94.054	31.613,521	661.848,058	20,936	20,474	99	77	563	62,160	146,687	2,360	1,898
							100	78	347	37,508	84,527	2,254	1,792

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 23 Jahre

Zinsfuß 2,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	27	93.631	30.779,099	631.206,361	20,508	20,046
1							51	28	93.140	29.943,915	600.427,262	20,052	19,590
2							52	29	92.630	29.124,635	570.483,347	19,588	19,126
3							53	30	92.060	28.308,409	541.358,712	19,124	18,662
4							54	31	91.451	27.502,458	513.050,303	18,655	18,193
5							55	32	90.798	26.705,093	485.547,845	18,182	17,720
6							56	33	90.086	25.912,733	458.842,752	17,707	17,245
7							57	34	89.345	25.134,014	432.930,019	17,225	16,763
8							58	35	88.531	24.356,824	407.796,005	16,743	16,281
9							59	36	87.642	23.581,762	383.439,181	16,260	15,798
10							60	37	86.672	22.807,526	359.857,419	15,778	15,316
11							61	38	85.643	22.041,000	337.049,892	15,292	14,830
12							62	39	84.555	21.282,179	315.008,892	14,802	14,340
13							63	40	83.350	20.517,077	293.726,712	14,316	13,854
14							64	41	82.074	19.758,430	273.209,635	13,827	13,365
15							65	42	80.699	18.999,887	253.451,205	13,340	12,878
16							66	43	79.196	18.235,839	234.451,318	12,857	12,395
17							67	44	77.580	17.470,597	216.215,479	12,376	11,914
18							68	45	75.813	16.696,897	198.744,882	11,903	11,441
19							69	46	73.903	15.918,171	182.047,985	11,436	10,974
20							70	47	71.871	15.139,752	166.129,813	10,973	10,511
21							71	48	69.685	14.356,374	150.990,062	10,517	10,055
22							72	49	67.348	13.569,492	136.633,688	10,069	9,607
23	0	98.831	59.243,084	1.826.395,206	30,829	30,367	73	50	64.820	12.772,879	123.064,195	9,635	9,173
24	1	98.383	57.676,671	1.767.152,123	30,639	30,177	74	51	62.149	11.976,987	110.291,316	9,209	8,747
25	2	98.276	56.346,387	1.709.475,451	30,339	29,877	75	52	59.345	11.184,981	98.314,329	8,790	8,328
26	3	98.185	55.055,295	1.653.129,064	30,027	29,565	76	53	56.430	10.401,553	87.129,347	8,377	7,915
27	4	98.098	53.796,067	1.598.073,769	29,706	29,244	77	54	53.446	9.634,677	76.727,794	7,964	7,502
28	5	98.015	52.567,875	1.544.277,702	29,377	28,915	78	55	50.345	8.875,926	67.093,118	7,559	7,097
29	6	97.930	51.366,620	1.491.709,828	29,040	28,578	79	56	47.109	8.122,797	58.217,192	7,167	6,705
30	7	97.852	50.196,343	1.440.343,208	28,694	28,232	80	57	43.796	7.385,266	50.094,395	6,783	6,321
31	8	97.772	49.051,642	1.390.146,865	28,340	27,878	81	58	40.360	6.656,128	42.709,129	6,417	5,954
32	9	97.686	47.929,782	1.341.095,223	27,980	27,518	82	59	36.868	5.946,413	36.053,001	6,063	5,601
33	10	97.599	46.833,663	1.293.165,441	27,612	27,150	83	60	33.237	5.242,903	30.106,588	5,742	5,280
34	11	97.506	45.759,066	1.246.331,778	27,237	26,775	84	61	29.686	4.579,715	24.863,685	5,429	4,967
35	12	97.403	44.705,208	1.200.572,711	26,855	26,393	85	62	26.264	3.962,644	20.283,969	5,119	4,657
36	13	97.293	43.672,011	1.155.867,503	26,467	26,005	86	63	23.066	3.403,544	16.321,326	4,795	4,333
37	14	97.174	42.658,666	1.112.195,492	26,072	25,610	87	64	19.875	2.868,077	12.917,782	4,504	4,042
38	15	97.045	41.664,708	1.069.536,826	25,670	25,208	88	65	16.766	2.366,303	10.049,705	4,247	3,785
39	16	96.894	40.684,461	1.027.872,118	25,264	24,802	89	66	13.877	1.915,451	7.683,402	4,011	3,549
40	17	96.724	39.719,464	987.187,657	24,854	24,392	90	67	11.279	1.522,573	5.767,951	3,788	3,326
41	18	96.537	38.770,011	947.468,193	24,438	23,976	91	68	8.998	1.187,971	4.245,378	3,574	3,112
42	19	96.325	37.833,967	908.698,183	24,018	23,556	92	69	7.003	904,245	3.057,406	3,381	2,919
43	20	96.086	36.909,592	870.864,216	23,595	23,133	93	70	5.324	672,334	2.153,162	3,203	2,741
44	21	95.818	35.996,667	833.954,624	23,168	22,706	94	71	3.949	487,660	1.480,828	3,037	2,575
45	22	95.538	35.101,525	797.957,957	22,733	22,271	95	72	2.852	344,444	993,168	2,883	2,421
46	23	95.218	34.214,222	762.856,432	22,296	21,834	96	73	2.004	236,669	648,724	2,741	2,279
47	24	94.870	33.339,064	728.642,210	21,856	21,393	97	74	1.367	157,916	412,055	2,609	2,147
48	25	94.489	32.474,411	695.303,146	21,411	20,949	98	75	905	102,195	254,139	2,487	2,025
49	26	94.080	31.622,374	662.828,734	20,961	20,499	99	76	579	64,013	151,944	2,374	1,912
							100	77	359	38,769	87,931	2,268	1,806

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 24 Jahre

Zinsfuß 2,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	26	93.658	30.787,718	632.097,930	20,531	20,069
1							51	27	93.167	29.952,644	601.310,211	20,075	19,613
2							52	28	92.658	29.133,282	571.357,568	19,612	19,150
3							53	29	92.087	28.316,698	542.224,285	19,149	18,687
4							54	30	91.481	27.511,466	513.907,588	18,680	18,218
5							55	31	90.830	26.714,636	486.396,122	18,207	17,745
6							56	32	90.118	25.921,951	459.681,486	17,733	17,271
7							57	33	89.381	25.144,061	433.759,536	17,251	16,789
8							58	34	88.572	24.368,248	408.615,475	16,768	16,306
9							59	35	87.687	23.593,841	384.247,227	16,286	15,824
10							60	36	86.721	22.820,431	360.653,386	15,804	15,342
11							61	37	85.696	22.054,525	337.832,955	15,318	14,856
12							62	38	84.615	21.297,077	315.778,430	14,827	14,365
13							63	39	83.417	20.533,509	294.481,353	14,342	13,879
14							64	40	82.145	19.775,634	273.947,844	13,853	13,391
15							65	41	80.779	19.018,687	254.172,210	13,364	12,902
16							66	42	79.285	18.256,371	235.153,523	12,881	12,419
17							67	43	77.681	17.493,304	216.897,152	12,399	11,937
18							68	44	75.918	16.720,172	199.403,847	11,926	11,464
19							69	45	74.020	15.943,458	182.683,675	11,458	10,996
20							70	46	72.000	15.166,991	166.740,218	10,994	10,532
21							71	47	69.821	14.384,347	151.573,226	10,537	10,075
22							72	48	67.491	13.598,320	137.188,880	10,089	9,627
23							73	49	64.977	12.803,694	123.590,560	9,653	9,191
24	0	98.758	57.896,501	1.768.454,475	30,545	30,083	74	50	62.306	12.007,325	110.786,866	9,227	8,765
25	1	98.312	56.366,574	1.710.557,974	30,347	29,885	75	51	59.510	11.216,131	98.779,541	8,807	8,345
26	2	98.204	55.066,183	1.654.191,400	30,040	29,578	76	52	56.601	10.433,095	87.563,409	8,393	7,931
27	3	98.115	53.805,302	1.599.125,217	29,721	29,259	77	53	53.615	9.665,195	77.130,315	7,980	7,518
28	4	98.028	52.574,665	1.545.319,915	29,393	28,931	78	54	50.520	8.906,906	67.465,120	7,574	7,112
29	5	97.943	51.373,335	1.492.745,250	29,057	28,595	79	55	47.288	8.153,673	58.558,214	7,182	6,720
30	6	97.861	50.200,969	1.441.371,915	28,712	28,250	80	56	43.972	7.415,035	50.404,540	6,798	6,336
31	7	97.781	49.055,914	1.391.170,945	28,359	27,897	81	57	40.541	6.685,968	42.989,505	6,430	5,968
32	8	97.695	47.934,383	1.342.115,032	27,999	27,537	82	58	37.046	5.975,188	36.303,537	6,076	5,614
33	9	97.606	46.836,690	1.294.180,648	27,632	27,170	83	59	33.407	5.269,693	30.328,349	5,755	5,293
34	10	97.514	45.762,915	1.247.343,959	27,257	26,795	84	60	29.851	4.605,063	25.058,656	5,442	4,980
35	11	97.413	44.709,401	1.201.581,044	26,875	26,413	85	61	26.413	3.985,069	20.453,593	5,133	4,671
36	12	97.301	43.675,721	1.156.871,643	26,488	26,026	86	62	23.212	3.425,098	16.468,524	4,808	4,346
37	13	97.183	42.662,800	1.113.195,922	26,093	25,631	87	63	20.011	2.887,719	13.043,426	4,517	4,055
38	14	97.057	41.669,563	1.070.533,123	25,691	25,229	88	64	16.890	2.383,734	10.155,708	4,260	3,798
39	15	96.912	40.691,731	1.028.863,560	25,284	24,822	89	65	13.992	1.931,224	7.771,973	4,024	3,562
40	16	96.745	39.727,878	988.171,828	24,874	24,411	90	66	11.382	1.536,488	5.840,749	3,801	3,339
41	17	96.558	38.778,543	948.443,951	24,458	23,996	91	67	9.091	1.200,171	4.304,261	3,586	3,124
42	18	96.353	37.844,851	909.665,408	24,037	23,575	92	68	7.084	914,707	3.104,090	3,394	2,932
43	19	96.113	36.919,826	871.820,557	23,614	23,152	93	69	5.393	681,022	2.189,383	3,215	2,753
44	20	95.849	36.008,040	834.900,731	23,187	22,724	94	70	4.006	494,692	1.508,360	3,049	2,587
45	21	95.561	35.110,116	798.892,691	22,754	22,292	95	71	2.899	350,120	1.013,669	2,895	2,433
46	22	95.244	34.223,487	763.782,575	22,317	21,855	96	72	2.040	241,014	663,549	2,753	2,291
47	23	94.895	33.347,765	729.559,088	21,877	21,415	97	73	1.395	161,200	422,535	2,621	2,159
48	24	94.515	32.483,236	696.211,323	21,433	20,971	98	74	926	104,575	261,334	2,499	2,037
49	25	94.103	31.630,157	663.728,087	20,984	20,522	99	75	595	65,717	156,759	2,385	1,923
							100	76	369	39,925	91,042	2,280	1,818

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 25 Jahre

Zinsfuß 2,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	25	93.681	30.795,296	632.915,478	20,552	20,090
1							51	26	93.194	29.961,032	602.120,182	20,097	19,635
2							52	27	92.685	29.141,775	572.159,150	19,634	19,172
3							53	28	92.114	28.325,105	543.017,375	19,171	18,709
4							54	29	91.508	27.519,521	514.692,270	18,703	18,241
5							55	30	90.860	26.723,385	487.172,749	18,230	17,768
6							56	31	90.151	25.931,213	460.449,364	17,757	17,295
7							57	32	89.413	25.153,004	434.518,150	17,275	16,813
8							58	33	88.607	24.377,989	409.365,146	16,792	16,330
9							59	34	87.728	23.604,908	384.987,157	16,310	15,848
10							60	35	86.765	22.832,120	361.382,249	15,828	15,366
11							61	36	85.744	22.067,003	338.550,129	15,342	14,880
12							62	37	84.667	21.310,145	316.483,127	14,851	14,389
13							63	38	83.475	20.547,883	295.172,982	14,365	13,903
14							64	39	82.211	19.791,473	274.625,099	13,876	13,414
15							65	40	80.849	19.035,247	254.833,627	13,387	12,925
16							66	41	79.364	18.274,436	235.798,380	12,903	12,441
17							67	42	77.768	17.513,001	217.523,944	12,421	11,959
18							68	43	76.017	16.741,903	200.010,943	11,947	11,485
19							69	44	74.124	15.965,682	183.269,040	11,479	11,017
20							70	45	72.114	15.191,085	167.303,358	11,013	10,551
21							71	46	69.947	14.410,227	152.112,274	10,556	10,094
22							72	47	67.622	13.624,815	137.702,047	10,107	9,645
23							73	48	65.115	12.830,895	124.077,231	9,670	9,208
24							74	49	62.457	12.036,293	111.246,337	9,243	8,781
25	0	98.686	56.581,410	1.711.769,181	30,253	29,791	75	50	59.661	11.244,542	99.210,043	8,823	8,361
26	1	98.240	55.085,911	1.655.187,771	30,047	29,585	76	51	56.759	10.462,151	87.965,501	8,408	7,946
27	2	98.134	53.815,942	1.600.101,860	29,733	29,271	77	52	53.778	9.694,503	77.503,351	7,995	7,533
28	3	98.045	52.583,691	1.546.285,917	29,406	28,944	78	53	50.680	8.935,119	67.808,847	7,589	7,127
29	4	97.956	51.379,971	1.493.702,226	29,072	28,610	79	54	47.454	8.182,133	58.873,728	7,195	6,733
30	5	97.874	50.207,533	1.442.322,255	28,727	28,265	80	55	44.139	7.443,222	50.691,595	6,810	6,348
31	6	97.790	49.060,435	1.392.114,723	28,376	27,913	81	56	40.704	6.712,919	43.248,374	6,443	5,981
32	7	97.704	47.938,558	1.343.054,288	28,016	27,554	82	57	37.212	6.001,975	36.535,455	6,087	5,625
33	8	97.615	46.841,186	1.295.115,730	27,649	27,187	83	58	33.569	5.295,193	30.533,480	5,766	5,304
34	9	97.520	45.765,872	1.248.274,544	27,275	26,813	84	59	30.003	4.628,593	25.238,287	5,453	4,991
35	10	97.421	44.713,161	1.202.508,672	26,894	26,432	85	60	26.559	4.007,125	20.609,694	5,143	4,681
36	11	97.311	43.679,817	1.157.795,511	26,506	26,044	86	61	23.344	3.444,481	16.602,568	4,820	4,358
37	12	97.192	42.666,423	1.114.115,694	26,112	25,650	87	62	20.137	2.906,006	13.158,087	4,528	4,066
38	13	97.066	41.673,601	1.071.449,271	25,711	25,248	88	63	17.006	2.400,059	10.252,081	4,272	3,810
39	14	96.923	40.696,473	1.029.775,670	25,304	24,842	89	64	14.095	1.945,451	7.852,022	4,036	3,574
40	15	96.762	39.734,977	989.079,197	24,892	24,430	90	65	11.476	1.549,141	5.906,571	3,813	3,351
41	16	96.578	38.786,757	949.344,220	24,476	24,014	91	66	9.174	1.211,140	4.357,430	3,598	3,136
42	17	96.374	37.853,179	910.557,463	24,055	23,593	92	67	7.157	924,100	3.146,290	3,405	2,943
43	18	96.141	36.930,447	872.704,284	23,631	23,169	93	68	5.456	688,902	2.222,190	3,226	2,764
44	19	95.875	36.018,025	835.773,837	23,204	22,742	94	69	4.058	501,085	1.533,288	3,060	2,598
45	20	95.591	35.121,209	799.755,812	22,771	22,309	95	70	2.941	355,168	1.032,204	2,906	2,444
46	21	95.267	34.231,863	764.634,603	22,337	21,875	96	71	2.074	244,986	677,036	2,764	2,302
47	22	94.921	33.356,796	730.402,740	21,897	21,435	97	72	1.421	164,160	432,050	2,632	2,170
48	23	94.539	32.491,714	697.045,944	21,453	20,991	98	73	945	106,750	267,890	2,510	2,047
49	24	94.129	31.638,752	664.554,230	21,004	20,542	99	74	609	67,248	161,140	2,396	1,934
							100	75	379	40,988	93,892	2,291	1,829

Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente nach der Sterbetafel 2002/2004

Altersdifferenz zwischen Mann und Frau (x - y) = 0 Jahre

Zinsfuß 2,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	0	100.000	100.000,000	3.331.511,741	33,315	32,853	50	50	91.638	26.661,337	484.288,011	18,164	17,702
1	1	99.166	96.747,130	3.231.511,741	33,402	32,939	51	51	90.953	25.816,772	457.626,674	17,726	17,264
2	2	99.090	94.315,522	3.134.764,611	33,237	32,775	52	52	90.231	24.987,018	431.809,902	17,281	16,819
3	3	99.051	91.978,429	3.040.449,089	33,056	32,594	53	53	89.431	24.161,341	406.822,884	16,838	16,375
4	4	99.016	89.703,283	2.948.470,660	32,869	32,407	54	54	88.588	23.349,914	382.661,543	16,388	15,926
5	5	98.990	87.492,360	2.858.767,377	32,674	32,212	55	55	87.680	22.547,026	359.311,629	15,936	15,474
6	6	98.963	85.335,555	2.771.275,017	32,475	32,013	56	56	86.694	21.749,765	336.764,604	15,484	15,021
7	7	98.942	83.236,826	2.685.939,463	32,269	31,806	57	57	85.670	20.968,585	315.014,839	15,023	14,561
8	8	98.922	81.189,561	2.602.702,637	32,057	31,595	58	58	84.550	20.189,632	294.046,254	14,564	14,102
9	9	98.900	79.192,307	2.521.513,076	31,840	31,378	59	59	83.341	19.415,537	273.856,622	14,105	13,643
10	10	98.885	77.248,565	2.442.320,770	31,616	31,154	60	60	82.046	18.647,600	254.441,085	13,645	13,182
11	11	98.867	75.351,035	2.365.072,205	31,387	30,925	61	61	80.675	17.888,949	235.793,485	13,181	12,719
12	12	98.844	73.495,691	2.289.721,170	31,154	30,692	62	62	79.258	17.145,974	217.904,536	12,709	12,246
13	13	98.822	71.687,661	2.216.225,479	30,915	30,453	63	63	77.698	16.398,611	200.758,562	12,242	11,780
14	14	98.800	69.923,337	2.144.537,818	30,670	30,207	64	64	76.054	15.660,202	184.359,951	11,773	11,310
15	15	98.770	68.197,357	2.074.614,480	30,421	29,958	65	65	74.307	14.927,165	168.699,749	11,302	10,839
16	16	98.729	66.506,427	2.006.417,123	30,169	29,706	66	66	72.409	14.191,184	153.772,584	10,836	10,373
17	17	98.670	64.845,732	1.939.910,696	29,916	29,453	67	67	70.380	13.457,148	139.581,400	10,372	9,910
18	18	98.599	63.218,151	1.875.064,964	29,660	29,198	68	68	68.173	12.717,105	126.124,252	9,918	9,455
19	19	98.496	61.611,739	1.811.846,813	29,407	28,945	69	69	65.800	11.975,083	113.407,147	9,470	9,008
20	20	98.389	60.043,952	1.750.235,074	29,149	28,687	70	70	63.288	11.236,934	101.432,064	9,027	8,564
21	21	98.283	58.516,441	1.690.191,122	28,884	28,422	71	71	60.609	10.498,844	90.195,130	8,591	8,129
22	22	98.182	57.030,491	1.631.674,681	28,611	28,148	72	72	57.749	9.759,394	79.696,285	8,166	7,704
23	23	98.081	55.582,501	1.574.644,190	28,330	27,867	73	73	54.711	9.020,541	69.936,892	7,753	7,291
24	24	97.983	54.172,499	1.519.061,689	28,041	27,579	74	74	51.518	8.286,870	60.916,350	7,351	6,889
25	25	97.886	52.798,522	1.464.889,191	27,745	27,282	75	75	48.208	7.565,297	52.629,480	6,957	6,494
26	26	97.790	51.460,409	1.412.090,668	27,440	26,978	76	76	44.787	6.857,007	45.064,183	6,572	6,110
27	27	97.693	50.155,327	1.360.630,259	27,128	26,666	77	77	41.321	6.172,041	38.207,176	6,190	5,728
28	28	97.594	48.882,783	1.310.474,932	26,809	26,346	78	78	37.788	5.506,737	32.035,136	5,817	5,355
29	29	97.494	47.641,320	1.261.592,150	26,481	26,019	79	79	34.179	4.859,278	26.528,399	5,459	4,997
30	30	97.396	46.433,050	1.213.950,829	26,144	25,682	80	80	30.561	4.238,911	21.669,121	5,112	4,650
31	31	97.293	45.252,621	1.167.517,779	25,800	25,338	81	81	26.911	3.641,689	17.430,210	4,786	4,324
32	32	97.182	44.098,277	1.122.265,158	25,449	24,987	82	82	23.325	3.079,371	13.788,520	4,478	4,015
33	33	97.068	42.972,177	1.078.166,881	25,090	24,627	83	83	19.770	2.546,349	10.709,149	4,206	3,743
34	34	96.944	41.870,562	1.035.194,704	24,724	24,261	84	84	16.483	2.071,233	8.162,800	3,941	3,479
35	35	96.806	40.791,182	993.324,141	24,351	23,889	85	85	13.487	1.653,419	6.091,567	3,684	3,222
36	36	96.655	39.734,276	952.532,959	23,973	23,510	86	86	10.885	1.301,861	4.438,148	3,409	2,947
37	37	96.491	38.699,492	912.798,684	23,587	23,124	87	87	8.491	990,779	3.136,287	3,165	2,703
38	38	96.316	37.686,863	874.099,192	23,194	22,731	88	88	6.365	724,623	2.145,507	2,961	2,498
39	39	96.116	36.691,323	836.412,329	22,796	22,333	89	89	4.613	512,354	1.420,884	2,773	2,311
40	40	95.891	35.712,638	799.721,006	22,393	21,931	90	90	3.223	349,215	908,530	2,602	2,139
41	41	95.642	34.751,335	764.008,368	21,985	21,523	91	91	2.173	229,712	559,315	2,435	1,972
42	42	95.366	33.805,885	729.257,033	21,572	21,109	92	92	1.390	143,376	329,603	2,299	1,836
43	43	95.049	32.871,598	695.451,147	21,157	20,694	93	93	851	85,594	186,227	2,176	1,713
44	44	94.691	31.948,938	662.579,549	20,739	20,276	94	94	497	48,753	100,633	2,064	1,602
45	45	94.305	31.042,800	630.630,611	20,315	19,852	95	95	276	26,427	51,880	1,963	1,501
46	46	93.866	30.144,582	599.587,811	19,890	19,428	96	96	146	13,599	25,453	1,872	1,409
47	47	93.379	29.256,886	569.443,228	19,464	19,001	97	97	73	6,627	11,853	1,789	1,326
48	48	92.848	28.381,024	540.186,342	19,033	18,571	98	98	34	3,050	5,227	1,714	1,251
49	49	92.273	27.517,307	511.805,318	18,599	18,137	99	99	15	1,323	2,177	1,645	1,183
							100	100	6	0,539	0,854	1,584	1,121

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -1 Jahr

Zinsfuß 2,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	1	99.620	99.620,306	3.324.434,206	33,371	32,909	50	51	91.406	26.593,974	478.653,305	17,999	17,536
1	2	99.130	96.712,481	3.224.813,900	33,344	32,882	51	52	90.701	25.745,073	452.059,331	17,559	17,097
2	3	99.071	94.296,875	3.128.101,419	33,173	32,710	52	53	89.958	24.911,477	426.314,258	17,113	16,651
3	4	99.034	91.962,641	3.033.804,544	32,990	32,527	53	54	89.148	24.085,051	401.402,782	16,666	16,204
4	5	99.003	89.691,697	2.941.841,903	32,799	32,337	54	55	88.280	23.268,697	377.317,731	16,216	15,753
5	6	98.977	87.480,923	2.852.150,206	32,603	32,141	55	56	87.348	22.461,643	354.049,034	15,762	15,300
6	7	98.954	85.327,691	2.764.669,283	32,401	31,938	56	57	86.346	21.662,446	331.587,391	15,307	14,845
7	8	98.934	83.229,577	2.679.341,591	32,192	31,730	57	58	85.288	20.875,000	309.924,945	14,847	14,384
8	9	98.912	81.181,767	2.596.112,015	31,979	31,517	58	59	84.143	20.092,406	289.049,945	14,386	13,924
9	10	98.894	79.187,190	2.514.930,248	31,759	31,297	59	60	82.917	19.316,832	268.957,539	13,923	13,461
10	11	98.876	77.242,069	2.435.743,058	31,534	31,071	60	61	81.594	18.544,959	249.640,706	13,461	12,999
11	12	98.858	75.343,969	2.358.500,989	31,303	30,841	61	62	80.221	17.788,282	231.095,748	12,991	12,529
12	13	98.835	73.489,449	2.283.157,021	31,068	30,605	62	63	78.759	17.038,076	213.307,466	12,519	12,057
13	14	98.813	71.680,715	2.209.667,572	30,827	30,364	63	64	77.170	16.287,071	196.269,390	12,051	11,588
14	15	98.788	69.915,190	2.137.986,857	30,580	30,117	64	65	75.498	15.545,682	179.982,319	11,578	11,115
15	16	98.752	68.185,172	2.068.071,667	30,330	29,868	65	66	73.700	14.805,249	164.436,637	11,107	10,644
16	17	98.708	66.492,343	1.999.886,495	30,077	29,615	66	67	71.753	14.062,660	149.631,388	10,640	10,178
17	18	98.649	64.831,465	1.933.394,152	29,822	29,359	67	68	69.665	13.320,356	135.568,728	10,178	9,715
18	19	98.570	63.199,970	1.868.562,687	29,566	29,103	68	69	67.393	12.571,652	122.248,372	9,724	9,262
19	20	98.468	61.594,660	1.805.362,717	29,310	28,848	69	70	64.960	11.822,303	109.676,719	9,277	8,815
20	21	98.358	60.024,987	1.743.768,057	29,051	28,588	70	71	62.388	11.077,217	97.854,416	8,834	8,371
21	22	98.259	58.502,124	1.683.743,070	28,781	28,318	71	72	59.626	10.328,634	86.777,199	8,402	7,939
22	23	98.155	57.015,050	1.625.240,946	28,505	28,043	72	73	56.707	9.583,441	76.448,565	7,977	7,515
23	24	98.056	55.567,999	1.568.225,896	28,222	27,759	73	74	53.596	8.836,772	66.865,124	7,567	7,104
24	25	97.957	54.157,781	1.512.657,898	27,931	27,468	74	75	50.345	8.098,247	58.028,352	7,166	6,703
25	26	97.861	52.785,530	1.458.500,116	27,631	27,168	75	76	46.958	7.369,147	49.930,105	6,776	6,313
26	27	97.762	51.446,003	1.405.714,586	27,324	26,862	76	77	43.490	6.658,508	42.560,958	6,392	5,930
27	28	97.664	50.140,710	1.354.268,583	27,009	26,547	77	78	39.976	5.971,249	35.902,450	6,013	5,550
28	29	97.565	48.868,273	1.304.127,873	26,687	26,224	78	79	36.388	5.302,646	29.931,201	5,645	5,182
29	30	97.465	47.627,375	1.255.259,600	26,356	25,893	79	80	32.741	4.654,867	24.628,556	5,291	4,829
30	31	97.365	46.417,847	1.207.632,225	26,017	25,554	80	81	29.072	4.032,415	19.973,689	4,953	4,491
31	32	97.259	45.236,456	1.161.214,378	25,670	25,207	81	82	25.411	3.438,688	15.941,274	4,636	4,173
32	33	97.147	44.082,597	1.115.977,921	25,316	24,853	82	83	21.818	2.880,369	12.502,586	4,341	3,878
33	34	97.029	42.955,007	1.071.895,325	24,954	24,491	83	84	18.353	2.363,883	9.622,217	4,071	3,608
34	35	96.898	41.850,933	1.028.940,318	24,586	24,123	84	85	15.158	1.904,786	7.258,334	3,811	3,348
35	36	96.756	40.770,298	987.089,385	24,211	23,749	85	86	12.316	1.509,862	5.353,548	3,546	3,083
36	37	96.600	39.711,807	946.319,087	23,830	23,367	86	87	9.787	1.170,615	3.843,686	3,283	2,821
37	38	96.432	38.675,761	906.607,279	23,441	22,979	87	88	7.490	873,989	2.673,072	3,058	2,596
38	39	96.248	37.660,501	867.931,519	23,046	22,584	88	89	5.528	629,316	1.799,083	2,859	2,396
39	40	96.039	36.661,960	830.271,018	22,647	22,184	89	90	3.929	436,411	1.169,768	2,680	2,218
40	41	95.807	35.681,569	793.609,058	22,241	21,779	90	91	2.696	292,132	733,357	2,510	2,048
41	42	95.548	34.716,984	757.927,489	21,832	21,369	91	92	1.766	186,664	441,225	2,364	1,901
42	43	95.259	33.767,865	723.210,505	21,417	20,955	92	93	1.105	113,928	254,561	2,234	1,772
43	44	94.926	32.828,930	689.442,640	21,001	20,539	93	94	660	66,422	140,634	2,117	1,655
44	45	94.559	31.904,465	656.613,710	20,581	20,118	94	95	376	36,899	74,212	2,011	1,549
45	46	94.155	30.993,566	624.709,245	20,156	19,694	95	96	203	19,483	37,313	1,915	1,453
46	47	93.697	30.090,443	593.715,679	19,731	19,269	96	97	104	9,753	17,830	1,828	1,366
47	48	93.198	29.199,992	563.625,236	19,302	18,840	97	98	51	4,617	8,077	1,749	1,287
48	49	92.651	28.320,859	534.425,244	18,870	18,408	98	99	23	2,062	3,460	1,678	1,215
49	50	92.051	27.451,080	506.104,385	18,437	17,974	99	100	10	0,866	1,398	1,613	1,151
							100	101	4	0,342	0,531	1,554	1,092

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -2 Jahre

Zinsfuß 2,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	2	99.585	99.584,628	3.317.231,609	33,311	32,848	50	52	91.153	26.520,116	472.611,738	17,821	17,358
1	3	99.111	96.693,360	3.217.646,981	33,277	32,814	51	53	90.427	25.667,240	446.091,623	17,380	16,917
2	4	99.054	94.280,689	3.120.953,621	33,103	32,640	52	54	89.674	24.832,818	420.424,382	16,930	16,468
3	5	99.021	91.950,764	3.026.672,933	32,916	32,454	53	55	88.838	24.001,277	395.591,565	16,482	16,020
4	6	98.990	89.679,973	2.934.722,169	32,724	32,262	54	56	87.945	23.180,582	371.590,288	16,030	15,568
5	7	98.968	87.472,862	2.845.042,196	32,525	32,062	55	57	86.998	22.371,466	348.409,706	15,574	15,111
6	8	98.945	85.320,260	2.757.569,334	32,320	31,858	56	58	85.961	21.565,764	326.038,240	15,118	14,656
7	9	98.924	83.221,587	2.672.249,074	32,110	31,648	57	59	84.877	20.774,474	304.472,476	14,656	14,194
8	10	98.906	81.176,521	2.589.027,487	31,894	31,431	58	60	83.715	19.990,261	283.698,002	14,192	13,729
9	11	98.886	79.180,530	2.507.850,966	31,673	31,210	59	61	82.461	19.210,507	263.707,741	13,727	13,265
10	12	98.867	77.234,825	2.428.670,435	31,445	30,983	60	62	81.135	18.440,600	244.497,233	13,259	12,796
11	13	98.849	75.337,570	2.351.435,610	31,212	30,750	61	63	79.716	17.676,342	226.056,633	12,789	12,326
12	14	98.826	73.482,329	2.276.098,040	30,975	30,512	62	64	78.223	16.922,186	208.380,291	12,314	11,852
13	15	98.801	71.672,362	2.202.615,711	30,732	30,269	63	65	76.605	16.167,966	191.458,106	11,842	11,379
14	16	98.771	69.902,698	2.130.943,349	30,484	30,022	64	66	74.882	15.418,715	175.290,139	11,369	10,906
15	17	98.732	68.170,732	2.061.040,651	30,234	29,771	65	67	73.032	14.671,164	159.871,424	10,897	10,435
16	18	98.687	66.477,713	1.992.869,919	29,978	29,516	66	68	71.024	13.919,713	145.200,260	10,431	9,969
17	19	98.620	64.812,820	1.926.392,205	29,722	29,260	67	69	68.868	13.168,003	131.280,547	9,970	9,507
18	20	98.543	63.182,450	1.861.579,385	29,464	29,001	68	70	66.533	12.411,261	118.112,544	9,517	9,054
19	21	98.437	61.575,205	1.798.396,935	29,207	28,744	69	71	64.037	11.654,267	105.701,283	9,070	8,607
20	22	98.334	60.010,301	1.736.821,730	28,942	28,480	70	72	61.377	10.897,630	94.047,016	8,630	8,168
21	23	98.233	58.486,285	1.676.811,430	28,670	28,208	71	73	58.551	10.142,418	83.149,386	8,198	7,736
22	24	98.130	57.000,175	1.618.325,145	28,392	27,929	72	74	55.552	9.388,203	73.006,968	7,776	7,314
23	25	98.029	55.552,902	1.561.324,970	28,105	27,643	73	75	52.376	8.635,631	63.618,764	7,367	6,905
24	26	97.932	54.144,455	1.505.772,068	27,810	27,348	74	76	49.040	7.888,280	54.983,133	6,970	6,508
25	27	97.834	52.770,753	1.451.627,613	27,508	27,046	75	77	45.598	7.155,823	47.094,853	6,581	6,119
26	28	97.734	51.431,010	1.398.856,861	27,199	26,736	76	78	42.075	6.441,890	39.939,030	6,200	5,737
27	29	97.635	50.125,827	1.347.425,851	26,881	26,418	77	79	38.495	5.749,942	33.497,141	5,826	5,363
28	30	97.537	48.853,969	1.297.300,024	26,555	26,092	78	80	34.857	5.079,584	27.747,199	5,462	5,000
29	31	97.433	47.611,781	1.248.446,055	26,221	25,759	79	81	31.146	4.428,108	22.667,615	5,119	4,657
30	32	97.330	46.401,267	1.200.834,274	25,879	25,417	80	82	27.451	3.807,633	18.239,507	4,790	4,328
31	33	97.224	45.220,371	1.154.433,007	25,529	25,067	81	83	23.769	3.216,465	14.431,875	4,487	4,024
32	34	97.109	44.064,982	1.109.212,636	25,172	24,710	82	84	20.254	2.673,968	11.215,409	4,194	3,732
33	35	96.983	42.934,869	1.065.147,654	24,808	24,346	83	85	16.878	2.173,917	8.541,441	3,929	3,467
34	36	96.849	41.829,507	1.022.212,785	24,438	23,975	84	86	13.842	1.739,404	6.367,524	3,661	3,198
35	37	96.702	40.747,244	980.383,278	24,060	23,598	85	87	11.074	1.357,646	4.628,120	3,409	2,947
36	38	96.541	39.687,456	939.636,034	23,676	23,213	86	88	8.634	1.032,625	3.270,474	3,167	2,705
37	39	96.365	38.648,706	899.948,578	23,285	22,823	87	89	6.505	759,035	2.237,849	2,948	2,486
38	40	96.171	37.630,363	861.299,872	22,888	22,426	88	90	4.709	536,035	1.478,813	2,759	2,296
39	41	95.955	36.630,065	823.669,509	22,486	22,024	89	91	3.287	365,074	942,778	2,582	2,120
40	42	95.713	35.646,298	787.039,444	22,079	21,617	90	92	2.191	237,386	577,704	2,434	1,971
41	43	95.440	34.677,939	751.393,146	21,668	21,205	91	93	1.403	148,325	340,317	2,294	1,832
42	44	95.135	33.724,033	716.715,208	21,252	20,790	92	94	857	88,409	191,993	2,172	1,709
43	45	94.793	32.783,232	682.991,174	20,834	20,371	93	95	500	50,272	103,584	2,060	1,598
44	46	94.409	31.853,864	650.207,942	20,412	19,950	94	96	277	27,203	53,311	1,960	1,497
45	47	93.986	30.937,902	618.354,078	19,987	19,525	95	97	146	13,972	26,109	1,869	1,406
46	48	93.515	30.031,928	587.416,176	19,560	19,097	96	98	73	6,795	12,136	1,786	1,324
47	49	93.000	29.138,090	557.384,248	19,129	18,667	97	99	34	3,121	5,341	1,711	1,249
48	50	92.428	28.252,698	528.246,158	18,697	18,235	98	100	15	1,351	2,220	1,643	1,181
49	51	91.818	27.381,721	499.993,460	18,260	17,798	99	101	6	0,549	0,869	1,582	1,119
							100	102	2	0,209	0,320	1,526	1,063

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -3 Jahre

Zinsfuß 2,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	3	99.565	99.564,939	3.309.538,191	33,240	32,778	50	53	90.877	26.439,940	466.149,903	17,631	17,168
1	4	99.094	96.676,762	3.209.973,252	33,203	32,741	51	54	90.141	25.586,195	439.709,963	17,185	16,723
2	5	99.041	94.268,512	3.113.296,490	33,026	32,563	52	55	89.362	24.746,443	414.123,768	16,735	16,272
3	6	99.008	91.938,744	3.019.027,978	32,837	32,375	53	56	88.502	23.910,387	389.377,325	16,285	15,822
4	7	98.981	89.671,709	2.927.089,234	32,642	32,180	54	57	87.592	23.087,518	365.466,937	15,830	15,367
5	8	98.959	87.465,244	2.837.417,525	32,441	31,978	55	58	86.609	22.271,620	342.379,419	15,373	14,910
6	9	98.936	85.312,070	2.749.952,281	32,234	31,772	56	59	85.547	21.461,911	320.107,799	14,915	14,453
7	10	98.918	83.216,210	2.664.640,211	32,021	31,558	57	60	84.446	20.668,861	298.645,887	14,449	13,987
8	11	98.897	81.169,695	2.581.424,002	31,803	31,340	58	61	83.254	19.880,230	277.977,026	13,983	13,520
9	12	98.876	79.173,105	2.500.254,307	31,580	31,117	59	62	81.997	19.102,403	258.096,797	13,511	13,049
10	13	98.859	77.228,266	2.421.081,202	31,350	30,887	60	63	80.624	18.324,555	238.994,394	13,042	12,580
11	14	98.840	75.330,270	2.343.852,936	31,114	30,652	61	64	79.174	17.556,111	220.669,839	12,569	12,107
12	15	98.814	73.473,767	2.268.522,666	30,875	30,413	62	65	77.651	16.798,437	203.113,728	12,091	11,629
13	16	98.783	71.659,557	2.195.048,899	30,632	30,169	63	66	75.980	16.035,917	186.315,291	11,619	11,156
14	17	98.750	69.887,894	2.123.389,342	30,383	29,920	64	67	74.204	15.279,074	170.279,375	11,145	10,682
15	18	98.710	68.155,733	2.053.501,448	30,130	29,667	65	68	72.290	14.522,032	155.000,301	10,673	10,211
16	19	98.658	66.458,595	1.985.345,715	29,873	29,411	66	69	70.212	13.760,505	140.478,269	10,209	9,746
17	20	98.593	64.794,853	1.918.887,120	29,615	29,152	67	70	67.990	13.000,004	126.717,763	9,748	9,285
18	21	98.512	63.162,494	1.854.092,266	29,354	28,892	68	71	65.588	12.234,853	113.717,760	9,295	8,832
19	22	98.413	61.560,139	1.790.929,772	29,092	28,630	69	72	62.999	11.465,324	101.482,907	8,851	8,389
20	23	98.307	59.994,053	1.729.369,633	28,826	28,363	70	73	60.270	10.701,156	90.017,582	8,412	7,950
21	24	98.207	58.471,026	1.669.375,580	28,550	28,088	71	74	57.358	9.935,793	79.316,426	7,983	7,520
22	25	98.103	56.984,689	1.610.904,555	28,269	27,807	72	75	54.288	9.174,512	69.380,633	7,562	7,100
23	26	98.005	55.539,232	1.553.919,866	27,979	27,516	73	76	51.018	8.411,731	60.206,121	7,157	6,695
24	27	97.905	54.129,297	1.498.380,633	27,682	27,219	74	77	47.200	7.659,927	51.794,391	6,762	6,299
25	28	97.806	52.755,373	1.444.251,337	27,376	26,914	75	78	44.115	6.923,026	44.134,464	6,375	5,913
26	29	97.705	51.415,744	1.391.495,963	27,064	26,601	76	79	40.516	6.203,140	37.211,438	5,999	5,536
27	30	97.607	50.111,155	1.340.080,219	26,742	26,280	77	80	36.875	5.508,064	31.008,298	5,630	5,167
28	31	97.505	48.837,973	1.289.969,064	26,413	25,951	78	81	33.159	4.832,135	25.500,234	5,277	4,815
29	32	97.398	47.594,774	1.241.131,091	26,077	25,615	79	82	29.410	4.181,268	20.668,099	4,943	4,481
30	33	97.295	46.384,767	1.193.536,317	25,731	25,269	80	83	25.677	3.561,568	16.486,831	4,629	4,167
31	34	97.185	45.202,302	1.147.151,550	25,378	24,916	81	84	22.066	2.985,980	12.925,263	4,329	3,866
32	35	97.063	44.044,324	1.101.949,248	25,019	24,557	82	85	18.626	2.459,084	9.939,283	4,042	3,579
33	36	96.934	42.912,888	1.057.904,924	24,652	24,190	83	86	15.413	1.985,168	7.480,199	3,768	3,306
34	37	96.794	41.805,854	1.014.992,036	24,279	23,816	84	87	12.447	1.564,047	5.495,032	3,513	3,051
35	38	96.642	40.722,258	973.186,182	23,898	23,436	85	88	9.769	1.197,610	3.930,985	3,282	2,820
36	39	96.474	39.659,694	932.463,925	23,512	23,049	86	89	7.498	896,807	2.733,375	3,048	2,585
37	40	96.288	38.617,777	892.804,231	23,119	22,657	87	90	5.541	646,528	1.836,568	2,841	2,378
38	41	96.088	37.597,625	854.186,454	22,719	22,257	88	91	3.939	448,414	1.190,040	2,654	2,191
39	42	95.860	36.593,857	816.588,829	22,315	21,852	89	92	2.671	296,659	741,626	2,500	2,038
40	43	95.605	35.606,208	779.994,972	21,906	21,444	90	93	1.741	188,630	444,967	2,359	1,897
41	44	95.316	34.632,926	744.388,764	21,494	21,031	91	94	1.089	115,101	256,337	2,227	1,765
42	45	95.003	33.677,089	709.755,839	21,075	20,613	92	95	649	66,913	141,236	2,111	1,648
43	46	94.643	32.731,238	676.078,749	20,655	20,193	93	96	368	37,062	74,323	2,005	1,543
44	47	94.239	31.796,655	643.347,511	20,233	19,771	94	97	199	19,509	37,261	1,910	1,448
45	48	93.804	30.877,739	611.550,856	19,806	19,343	95	98	102	9,735	17,752	1,823	1,361
46	49	93.317	29.968,262	580.673,118	19,376	18,914	96	99	49	4,594	8,017	1,745	1,283
47	50	92.776	29.067,962	550.704,855	18,945	18,483	97	100	22	2,045	3,423	1,674	1,212
48	51	92.195	28.181,314	521.636,893	18,510	18,048	98	101	10	0,856	1,378	1,610	1,147
49	52	91.563	27.305,676	493.455,579	18,072	17,609	99	102	4	0,337	0,522	1,551	1,089
							100	103	1	0,124	0,186	1,498	1,036

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -4 Jahre

Zinsfuß 2,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	4	99.548	99.547,849	3.301.316,843	33,163	32,701	50	54	90.590	26.356,455	459.255,517	17,425	16,962
1	5	99.081	96.664,276	3.201.768,994	33,123	32,660	51	55	89.828	25.497,200	432.899,062	16,978	16,516
2	6	99.028	94.256,189	3.105.104,717	32,943	32,481	52	56	89.024	24.652,732	407.401,862	16,526	16,063
3	7	98.999	91.930,272	3.010.848,528	32,751	32,289	53	57	88.146	23.814,394	382.749,130	16,072	15,610
4	8	98.972	89.663,899	2.918.918,256	32,554	32,092	54	58	87.201	22.984,477	358.934,736	15,616	15,154
5	9	98.949	87.456,848	2.829.254,357	32,350	31,888	55	59	86.192	22.164,368	335.950,259	15,157	14,695
6	10	98.929	85.306,558	2.741.797,509	32,141	31,678	56	60	85.112	21.352,804	313.785,891	14,695	14,233
7	11	98.910	83.209,212	2.656.490,951	31,925	31,463	57	61	83.981	20.555,094	292.433,087	14,227	13,764
8	12	98.888	81.162,083	2.573.281,740	31,705	31,243	58	62	82.786	19.768,357	271.877,993	13,753	13,291
9	13	98.868	79.166,381	2.492.119,657	31,480	31,017	59	63	81.481	18.982,194	252.109,636	13,281	12,819
10	14	98.849	77.220,783	2.412.953,276	31,247	30,785	60	64	80.076	18.199,914	233.127,442	12,809	12,347
11	15	98.828	75.321,492	2.335.732,493	31,010	30,548	61	65	78.595	17.427,726	214.927,528	12,333	11,870
12	16	98.796	73.460,639	2.260.411,000	30,770	30,308	62	66	77.017	16.661,238	197.499,802	11,854	11,391
13	17	98.763	71.644,381	2.186.950,361	30,525	30,063	63	67	75.292	15.890,686	180.838,565	11,380	10,918
14	18	98.728	69.872,518	2.115.305,980	30,274	29,811	64	68	73.449	15.123,762	164.947,879	10,907	10,444
15	19	98.681	68.136,132	2.045.433,463	30,020	29,557	65	69	71.463	14.355,935	149.824,116	10,436	9,974
16	20	98.631	66.440,172	1.977.297,330	29,761	29,298	66	70	69.316	13.584,946	135.468,181	9,972	9,510
17	21	98.562	64.774,388	1.910.857,158	29,500	29,038	67	71	67.023	12.815,228	121.883,235	9,511	9,048
18	22	98.488	63.147,040	1.846.082,770	29,235	28,772	68	72	64.524	12.036,498	109.068,007	9,061	8,599
19	23	98.386	61.543,472	1.782.935,731	28,970	28,508	69	73	61.863	11.258,615	97.031,509	8,618	8,156
20	24	98.282	59.978,401	1.721.392,258	28,700	28,238	70	74	59.042	10.483,148	85.772,894	8,182	7,720
21	25	98.180	58.455,140	1.661.413,858	28,422	27,960	71	75	56.053	9.709,638	75.289,746	7,754	7,292
22	26	98.079	56.970,667	1.602.958,718	28,137	27,674	72	76	52.880	8.936,639	65.580,108	7,338	6,876
23	27	97.978	55.523,684	1.545.988,051	27,844	27,381	73	77	49.542	8.168,225	56.643,469	6,935	6,472
24	28	97.877	54.113,522	1.490.464,367	27,543	27,081	74	78	46.071	7.410,730	48.475,244	6,541	6,079
25	29	97.776	52.739,715	1.436.350,846	27,235	26,772	75	79	42.480	6.666,444	41.064,514	6,160	5,697
26	30	97.676	51.400,694	1.383.611,131	26,918	26,456	76	80	38.812	5.942,197	34.398,070	5,789	5,326
27	31	97.575	50.094,748	1.332.210,437	26,594	26,131	77	81	35.079	5.239,742	28.455,872	5,431	4,968
28	32	97.470	48.820,528	1.282.115,689	26,262	25,799	78	82	31.311	4.562,773	23.216,130	5,088	4,626
29	33	97.364	47.577,850	1.233.295,161	25,922	25,459	79	83	27.509	3.911,057	18.653,357	4,769	4,307
30	34	97.256	46.366,233	1.185.717,311	25,573	25,110	80	84	23.837	3.306,353	14.742,300	4,459	3,996
31	35	97.140	45.181,110	1.139.351,078	25,217	24,755	81	85	20.293	2.746,022	11.435,947	4,165	3,702
32	36	97.013	44.021,775	1.094.169,968	24,855	24,393	82	86	17.009	2.245,575	8.689,925	3,870	3,407
33	37	96.879	42.888,622	1.050.148,192	24,485	24,023	83	87	13.859	1.785,034	6.444,350	3,610	3,148
34	38	96.735	41.780,218	1.007.259,570	24,109	23,646	84	88	10.980	1.379,680	4.659,315	3,377	2,915
35	39	96.575	40.693,772	965.479,352	23,725	23,263	85	89	8.484	1.040,092	3.279,635	3,153	2,691
36	40	96.396	39.627,955	924.785,581	23,337	22,874	86	90	6.387	763,878	2.239,543	2,932	2,469
37	41	96.204	38.584,181	885.157,625	22,941	22,479	87	91	4.635	540,845	1.475,665	2,728	2,266
38	42	95.993	37.560,460	846.573,444	22,539	22,077	88	92	3.201	364,381	934,820	2,565	2,103
39	43	95.753	36.552,701	809.012,984	22,133	21,670	89	93	2.122	235,728	570,439	2,420	1,957
40	44	95.481	35.559,990	772.460,284	21,723	21,260	90	94	1.351	146,378	334,710	2,287	1,824
41	45	95.184	34.584,717	736.900,294	21,307	20,845	91	95	824	87,116	188,332	2,162	1,699
42	46	94.852	33.623,677	702.315,577	20,888	20,425	92	96	478	49,330	101,216	2,052	1,589
43	47	94.473	32.672,453	668.691,900	20,467	20,004	93	97	264	26,579	51,887	1,952	1,490
44	48	94.056	31.734,822	636.019,447	20,042	19,579	94	98	138	13,593	25,307	1,862	1,399
45	49	93.605	30.812,280	604.284,625	19,612	19,149	95	99	69	6,581	11,714	1,780	1,318
46	50	93.092	29.896,137	573.472,345	19,182	18,720	96	100	32	3,009	5,133	1,706	1,243
47	51	92.542	28.994,519	543.576,208	18,748	18,285	97	101	14	1,296	2,124	1,638	1,176
48	52	91.939	28.103,048	514.581,689	18,311	17,848	98	102	6	0,525	0,828	1,577	1,115
49	53	91.287	27.223,125	486.478,642	17,870	17,408	99	103	2	0,199	0,303	1,522	1,060
							100	104	1	0,071	0,104	1,472	1,009

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -5 Jahre

Zinsfuß 2,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	5	99.535	99.534,992	3.292.544,980	33,079	32,617	50	55	90.275	26.264,781	451.914,632	17,206	16,744
1	6	99.068	96.651,640	3.193.009,988	33,036	32,574	51	56	89.487	25.400,646	425.649,851	16,757	16,295
2	7	99.019	94.247,504	3.096.358,348	32,853	32,391	52	57	88.666	24.553,758	400.249,205	16,301	15,839
3	8	98.990	91.922,266	3.002.110,844	32,659	32,197	53	58	87.753	23.708,108	375.695,447	15,847	15,384
4	9	98.963	89.655,292	2.910.188,578	32,460	31,997	54	59	86.781	22.873,792	351.987,339	15,388	14,926
5	10	98.943	87.451,197	2.820.533,286	32,253	31,790	55	60	85.754	22.051,690	329.113,547	14,925	14,462
6	11	98.921	85.299,384	2.733.082,089	32,041	31,579	56	61	84.644	21.235,272	307.061,858	14,460	13,998
7	12	98.900	83.201,409	2.647.782,705	31,824	31,361	57	62	83.508	20.439,424	285.826,585	13,984	13,522
8	13	98.880	81.155,190	2.564.581,297	31,601	31,139	58	63	82.265	19.643,956	265.387,161	13,510	13,047
9	14	98.858	79.158,710	2.483.426,106	31,373	30,910	59	64	80.926	18.853,080	245.743,205	13,035	12,572
10	15	98.838	77.211,785	2.404.267,396	31,139	30,676	60	65	79.490	18.066,822	226.890,125	12,558	12,096
11	16	98.811	75.308,035	2.327.055,611	30,900	30,438	61	66	77.953	17.285,387	208.823,303	12,081	11,618
12	17	98.775	73.445,082	2.251.747,576	30,659	30,197	62	67	76.320	16.510,344	191.537,916	11,601	11,139
13	18	98.741	71.628,618	2.178.302,494	30,411	29,949	63	68	74.526	15.729,157	175.027,572	11,128	10,665
14	19	98.700	69.852,423	2.106.673,877	30,159	29,697	64	69	72.609	14.950,783	159.298,415	10,655	10,192
15	20	98.654	68.117,245	2.036.821,454	29,902	29,439	65	70	70.552	14.172,780	144.347,632	10,185	9,722
16	21	98.600	66.419,187	1.968.704,209	29,641	29,178	66	71	68.331	13.391,856	130.174,852	9,720	9,258
17	22	98.538	64.758,539	1.902.285,022	29,375	28,913	67	72	65.937	12.607,464	116.782,996	9,263	8,801
18	23	98.461	63.129,943	1.837.526,483	29,107	28,645	68	73	63.361	11.819,491	104.175,532	8,814	8,351
19	24	98.361	61.527,415	1.774.396,540	28,839	28,377	69	74	60.603	11.029,250	92.356,041	8,374	7,911
20	25	98.255	59.962,106	1.712.869,125	28,566	28,103	70	75	57.698	10.244,534	81.326,791	7,939	7,476
21	26	98.156	58.440,756	1.652.907,019	28,283	27,821	71	76	54.600	9.457,891	71.082,258	7,516	7,053
22	27	98.052	56.954,717	1.594.466,263	27,995	27,533	72	77	51.349	8.677,938	61.624,367	7,101	6,639
23	28	97.949	55.507,502	1.537.511,545	27,699	27,237	73	78	47.930	7.902,492	52.946,428	6,700	6,238
24	29	97.847	54.097,459	1.482.004,043	27,395	26,933	74	79	44.363	7.136,073	45.043,936	6,312	5,850
25	30	97.748	52.724,277	1.427.906,584	27,083	26,620	75	80	40.693	6.386,012	37.907,863	5,936	5,474
26	31	97.644	51.383,865	1.375.182,306	26,763	26,301	76	81	36.921	5.652,727	31.521,851	5,576	5,114
27	32	97.540	50.076,853	1.323.798,442	26,435	25,973	77	82	33.124	4.947,658	25.869,124	5,229	4,766
28	33	97.435	48.803,169	1.273.721,588	26,099	25,637	78	83	29.287	4.267,908	20.921,465	4,902	4,440
29	34	97.325	47.558,839	1.224.918,420	25,756	25,293	79	84	25.538	3.630,799	16.653,557	4,587	4,124
30	35	97.211	46.344,496	1.177.359,581	25,405	24,942	80	85	21.922	3.040,650	13.022,759	4,283	3,820
31	36	97.090	45.157,980	1.131.015,085	25,046	24,583	81	86	18.531	2.507,600	9.982,109	3,981	3,518
32	37	96.958	43.996,883	1.085.857,105	24,680	24,218	82	87	15.294	2.019,189	7.474,509	3,702	3,239
33	38	96.820	42.862,322	1.041.860,223	24,307	23,845	83	88	12.225	1.574,619	5.455,321	3,465	3,002
34	39	96.667	41.750,992	998.997,900	23,928	23,465	84	89	9.535	1.198,215	3.880,702	3,239	2,776
35	40	96.497	40.661,206	957.246,908	23,542	23,080	85	90	7.226	885,924	2.682,487	3,028	2,565
36	41	96.313	39.593,480	916.585,702	23,150	22,687	86	91	5.343	639,013	1.796,562	2,811	2,349
37	42	96.109	38.546,041	876.992,222	22,752	22,289	87	92	3.766	439,491	1.157,549	2,634	2,171
38	43	95.885	37.518,217	838.446,182	22,348	21,885	88	93	2.543	289,541	718,059	2,480	2,018
39	44	95.628	36.505,255	800.927,965	21,940	21,478	89	94	1.647	182,927	428,518	2,343	1,880
40	45	95.348	35.510,490	764.422,710	21,527	21,064	90	95	1.022	110,788	245,590	2,217	1,754
41	46	95.033	34.529,865	728.912,220	21,110	20,647	91	96	608	64,224	134,802	2,099	1,637
42	47	94.682	33.563,290	694.382,355	20,689	20,226	92	97	343	35,378	70,579	1,995	1,533
43	48	94.289	32.608,917	660.819,066	20,265	19,803	93	98	184	18,519	35,201	1,901	1,438
44	49	93.857	31.667,546	628.210,149	19,838	19,375	94	99	94	9,189	16,682	1,815	1,353
45	50	93.379	30.738,123	596.542,603	19,407	18,945	95	100	45	4,311	7,493	1,738	1,276
46	51	92.857	29.820,600	565.804,479	18,974	18,511	96	101	20	1,908	3,182	1,668	1,205
47	52	92.285	28.913,994	535.983,879	18,537	18,075	97	102	9	0,794	1,274	1,604	1,142
48	53	91.661	28.018,086	507.069,885	18,098	17,636	98	103	3	0,310	0,480	1,546	1,084
49	54	90.998	27.137,167	479.051,799	17,653	17,191	99	104	1	0,113	0,170	1,494	1,031
							100	105	0	0,039	0,056	1,446	0,984

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -6 Jahre

Zinsfuß 2,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	6	99.522	99.521,980	3.283.199,625	32,990	32,527	50	56	89.933	26.165,320	444.119,839	16,974	16,511
1	7	99.059	96.642,734	3.183.677,645	32,943	32,480	51	57	89.128	25.298,669	417.954,519	16,521	16,058
2	8	99.010	94.239,296	3.087.034,911	32,757	32,295	52	58	88.271	24.444,172	392.655,850	16,063	15,601
3	9	98.981	91.913,442	2.992.795,615	32,561	32,099	53	59	87.330	23.593,939	368.211,677	15,606	15,144
4	10	98.956	89.649,499	2.900.882,173	32,358	31,896	54	60	86.340	22.757,506	344.617,739	15,143	14,681
5	11	98.935	87.443,843	2.811.232,674	32,149	31,687	55	61	85.282	21.930,312	321.860,232	14,677	14,214
6	12	98.912	85.291,385	2.723.788,831	31,935	31,473	56	62	84.167	21.115,774	299.929,921	14,204	13,742
7	13	98.892	83.194,342	2.638.497,446	31,715	31,252	57	63	82.983	20.310,801	278.814,147	13,727	13,265
8	14	98.870	81.147,327	2.555.303,104	31,490	31,027	58	64	81.705	19.510,341	258.503,346	13,250	12,787
9	15	98.847	79.149,487	2.474.155,777	31,259	30,797	59	65	80.335	18.715,211	238.993,005	12,770	12,308
10	16	98.820	77.197,990	2.395.006,290	31,024	30,562	60	66	78.841	17.919,263	220.277,794	12,293	11,830
11	17	98.790	75.292,086	2.317.808,301	30,784	30,322	61	67	77.247	17.128,841	202.358,531	11,814	11,351
12	18	98.754	73.428,922	2.242.516,214	30,540	30,078	62	68	75.544	16.342,516	185.229,690	11,334	10,872
13	19	98.712	71.608,018	2.169.087,292	30,291	29,829	63	69	73.674	15.549,254	168.887,174	10,861	10,399
14	20	98.672	69.833,059	2.097.479,274	30,036	29,573	64	70	71.683	14.760,038	153.337,920	10,389	9,926
15	21	98.623	68.095,729	2.027.646,215	29,776	29,314	65	71	69.549	13.971,334	138.577,881	9,919	9,456
16	22	98.576	66.402,936	1.959.550,485	29,510	29,048	66	72	67.223	13.174,744	124.606,547	9,458	8,996
17	23	98.511	64.741,006	1.893.147,549	29,242	28,779	67	73	64.748	12.380,162	111.431,803	9,001	8,538
18	24	98.435	63.113,472	1.828.406,543	28,970	28,508	68	74	62.070	11.578,700	99.051,641	8,555	8,092
19	25	98.334	61.510,699	1.765.293,071	28,699	28,237	69	75	59.223	10.778,206	87.472,941	8,116	7,653
20	26	98.231	59.947,351	1.703.782,371	28,421	27,959	70	76	56.202	9.978,918	76.694,735	7,686	7,223
21	27	98.129	58.424,395	1.643.835,020	28,136	27,674	71	77	53.019	9.184,100	66.715,817	7,264	6,802
22	28	98.023	56.938,119	1.585.410,625	27,844	27,382	72	78	49.679	8.395,623	57.531,717	6,853	6,390
23	29	97.920	55.491,027	1.528.472,506	27,544	27,082	73	79	46.153	7.609,609	49.136,093	6,457	5,995
24	30	97.819	54.081,625	1.472.981,479	27,236	26,774	74	80	42.497	6.835,886	41.526,484	6,075	5,612
25	31	97.716	52.707,014	1.418.899,855	26,921	26,458	75	81	38.711	6.074,922	34.690,598	5,710	5,248
26	32	97.610	51.365,510	1.366.192,840	26,597	26,135	76	82	34.863	5.337,622	28.615,677	5,361	4,899
27	33	97.505	50.059,047	1.314.827,330	26,266	25,803	77	83	30.983	4.627,920	23.278,054	5,030	4,567
28	34	97.396	48.783,668	1.264.768,283	25,926	25,464	78	84	27.188	3.962,079	18.650,134	4,707	4,245
29	35	97.279	47.536,543	1.215.984,615	25,580	25,118	79	85	23.486	3.339,022	14.688,056	4,399	3,936
30	36	97.161	46.320,769	1.168.448,072	25,225	24,763	80	86	20.018	2.776,646	11.349,033	4,087	3,625
31	37	97.035	45.132,445	1.122.127,303	24,863	24,401	81	87	16.663	2.254,798	8.572,387	3,802	3,339
32	38	96.899	43.969,903	1.076.994,858	24,494	24,031	82	88	13.492	1.781,171	6.317,589	3,547	3,084
33	39	96.752	42.832,340	1.033.024,955	24,118	23,655	83	89	10.617	1.367,514	4.536,418	3,317	2,855
34	40	96.590	41.717,580	990.192,616	23,736	23,273	84	90	8.122	1.020,610	3.168,904	3,105	2,642
35	41	96.413	40.625,832	948.475,036	23,347	22,884	85	91	6.045	741,110	2.148,294	2,899	2,436
36	42	96.217	39.554,342	907.849,204	22,952	22,490	86	92	4.341	519,262	1.407,185	2,710	2,248
37	43	96.001	38.502,689	868.294,862	22,552	22,089	87	93	2.993	349,224	887,923	2,543	2,080
38	44	95.760	37.469,517	829.792,173	22,146	21,683	88	94	1.974	224,687	538,699	2,398	1,935
39	45	95.495	36.454,439	792.322,655	21,735	21,272	89	95	1.247	138,450	314,013	2,268	1,806
40	46	95.197	35.454,170	755.868,217	21,320	20,857	90	96	754	81,675	175,562	2,150	1,687
41	47	94.862	34.467,850	720.414,046	20,901	20,439	91	97	436	46,059	93,887	2,038	1,576
42	48	94.498	33.498,021	685.946,196	20,477	20,015	92	98	239	24,649	47,828	1,940	1,478
43	49	94.089	32.539,788	652.448,175	20,051	19,588	93	99	124	12,519	23,179	1,851	1,389
44	50	93.631	31.591,331	619.908,387	19,623	19,160	94	100	61	6,020	10,659	1,771	1,308
45	51	93.144	30.660,460	588.317,056	19,188	18,726	95	101	29	2,733	4,640	1,698	1,235
46	52	92.599	29.737,781	557.656,597	18,752	18,290	96	102	13	1,169	1,907	1,631	1,169
47	53	92.006	28.826,581	527.918,815	18,314	17,851	97	103	5	0,470	0,738	1,571	1,109
48	54	91.371	27.929,618	499.092,234	17,870	17,407	98	104	2	0,177	0,268	1,516	1,054
49	55	90.682	27.042,777	471.162,616	17,423	16,960	99	105	1	0,062	0,091	1,467	1,004
							100	106					

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -7 Jahre

Zinsfuß 2,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	7	99.513	99.512,810	3.273.263,664	32,893	32,430	50	57	89.572	26.060,273	435.865,076	16,725	16,263
1	8	99.050	96.634,317	3.173.750,854	32,843	32,380	51	58	88.730	25.185,759	409.804,803	16,271	15,809
2	9	99.001	94.230,250	3.077.116,536	32,655	32,193	52	59	87.846	24.326,458	384.619,044	15,811	15,348
3	10	98.974	91.907,503	2.982.886,287	32,455	31,993	53	60	86.886	23.473,992	360.292,585	15,349	14,886
4	11	98.948	89.641,960	2.890.978,784	32,250	31,788	54	61	85.865	22.632,243	336.818,593	14,882	14,420
5	12	98.925	87.435,643	2.801.336,824	32,039	31,576	55	62	84.802	21.806,902	314.186,350	14,408	13,945
6	13	98.903	85.284,141	2.713.901,181	31,822	31,359	56	63	83.638	20.982,895	292.379,448	13,934	13,472
7	14	98.882	83.186,282	2.628.617,040	31,599	31,137	57	64	82.418	20.172,650	271.396,553	13,454	12,991
8	15	98.859	81.137,871	2.545.430,758	31,372	30,909	58	65	81.108	19.367,666	251.223,903	12,971	12,509
9	16	98.829	79.135,345	2.464.292,887	31,140	30,678	59	66	79.679	18.562,357	231.856,237	12,491	12,028
10	17	98.799	77.181,641	2.385.157,542	30,903	30,441	60	67	78.127	17.756,976	213.293,881	12,012	11,549
11	18	98.768	75.275,521	2.307.975,901	30,660	30,198	61	68	76.462	16.954,726	195.536,905	11,533	11,070
12	19	98.725	73.407,805	2.232.700,381	30,415	29,953	62	69	74.680	16.155,598	178.582,179	11,054	10,591
13	20	98.685	71.588,168	2.159.292,576	30,163	29,700	63	70	72.734	15.350,874	162.426,581	10,581	10,119
14	21	98.641	69.811,002	2.087.704,408	29,905	29,443	64	71	70.664	14.550,246	147.075,707	10,108	9,646
15	22	98.599	68.079,068	2.017.893,406	29,640	29,178	65	72	68.421	13.744,827	132.525,461	9,642	9,179
16	23	98.549	66.384,958	1.949.814,337	29,371	28,909	66	73	66.011	12.937,215	118.780,634	9,181	8,719
17	24	98.485	64.724,115	1.883.429,379	29,099	28,637	67	74	63.429	12.127,949	105.843,419	8,727	8,265
18	25	98.409	63.096,326	1.818.705,264	28,824	28,362	68	75	60.657	11.315,149	93.715,470	8,282	7,820
19	26	98.310	61.495,564	1.755.608,939	28,549	28,086	69	76	57.688	10.498,753	82.400,321	7,849	7,386
20	27	98.203	59.930,568	1.694.113,375	28,268	27,806	70	77	54.575	9.690,045	71.901,567	7,420	6,958
21	28	98.100	58.407,369	1.634.182,807	27,979	27,517	71	78	51.294	8.885,319	62.211,523	7,002	6,539
22	29	97.994	56.921,219	1.575.775,438	27,683	27,221	72	79	47.838	8.084,464	53.326,204	6,596	6,134
23	30	97.891	55.474,784	1.518.854,219	27,379	26,917	73	80	44.212	7.289,502	45.241,740	6,206	5,744
24	31	97.787	54.063,917	1.463.379,436	27,068	26,605	74	81	40.427	6.502,880	37.952,238	5,836	5,374
25	32	97.681	52.688,187	1.409.315,518	26,748	26,286	75	82	36.553	5.736,282	31.449,358	5,483	5,020
26	33	97.575	51.347,245	1.356.627,331	26,421	25,958	76	83	32.610	4.992,683	25.713,076	5,150	4,688
27	34	97.466	50.039,045	1.305.280,086	26,085	25,623	77	84	28.763	4.296,293	20.720,393	4,823	4,360
28	35	97.351	48.760,797	1.255.241,041	25,743	25,280	78	85	25.004	3.643,680	16.424,100	4,508	4,045
29	36	97.229	47.512,206	1.206.480,244	25,393	24,931	79	86	21.447	3.049,113	12.780,420	4,192	3,729
30	37	97.106	46.294,577	1.158.968,038	25,035	24,572	80	87	18.000	2.496,720	9.731,307	3,898	3,435
31	38	96.976	45.104,769	1.112.673,461	24,669	24,206	81	88	14.698	1.989,007	7.234,587	3,637	3,175
32	39	96.831	43.939,145	1.067.568,692	24,297	23,834	82	89	11.717	1.546,899	5.245,579	3,391	2,929
33	40	96.674	42.798,062	1.023.629,547	23,918	23,455	83	90	9.044	1.164,814	3.698,680	3,175	2,713
34	41	96.506	41.681,287	980.831,484	23,532	23,069	84	91	6.794	853,779	2.533,866	2,968	2,505
35	42	96.318	40.585,673	939.150,198	23,140	22,678	85	92	4.912	602,226	1.680,087	2,790	2,327
36	43	96.109	39.509,857	898.564,524	22,743	22,280	86	93	3.450	412,611	1.077,861	2,612	2,150
37	44	95.876	38.452,712	859.054,668	22,341	21,878	87	94	2.322	271,001	665,251	2,455	1,992
38	45	95.627	37.417,360	820.601,956	21,931	21,469	88	95	1.494	170,056	394,250	2,318	1,856
39	46	95.344	36.396,622	783.184,596	21,518	21,056	89	96	919	102,069	224,194	2,196	1,734
40	47	95.026	35.390,495	746.787,974	21,101	20,639	90	97	541	58,575	122,125	2,085	1,623
41	48	94.678	34.400,822	711.397,479	20,680	20,217	91	98	304	32,091	63,550	1,980	1,518
42	49	94.297	33.427,007	676.996,657	20,253	19,791	92	99	162	16,664	31,459	1,888	1,425
43	50	93.863	32.461,474	643.569,650	19,826	19,363	93	100	82	8,201	14,795	1,804	1,342
44	51	93.394	31.511,512	611.108,176	19,393	18,931	94	101	39	3,816	6,594	1,728	1,266
45	52	92.885	30.575,308	579.596,664	18,956	18,494	95	102	17	1,675	2,778	1,659	1,197
46	53	92.319	29.647,878	549.021,356	18,518	18,056	96	103	7	0,691	1,103	1,596	1,134
47	54	91.715	28.735,560	519.373,478	18,074	17,612	97	104	3	0,268	0,412	1,539	1,077
48	55	91.054	27.832,472	490.637,919	17,628	17,166	98	105	1	0,097	0,144	1,488	1,025
49	56	90.339	26.940,370	462.805,446	17,179	16,716	99	106					
							100	107					

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -8 Jahre

Zinsfuß 2,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	8	99.504	99.504,143	3.262.717,269	32,790	32,327	50	58	89.172	25.943,964	427.143,709	16,464	16,002
1	9	99.041	96.625,041	3.163.213,126	32,737	32,275	51	59	88.303	25.064,474	401.199,745	16,007	15,544
2	10	98.994	94.224,161	3.066.588,084	32,546	32,083	52	60	87.399	24.202,788	376.135,272	15,541	15,079
3	11	98.966	91.899,774	2.972.363,924	32,344	31,881	53	61	86.408	23.344,785	351.932,484	15,075	14,613
4	12	98.939	89.633,554	2.880.464,150	32,136	31,674	54	62	85.382	22.504,884	328.587,698	14,601	14,138
5	13	98.917	87.428,217	2.790.830,596	31,921	31,459	55	63	84.268	21.669,673	306.082,814	14,125	13,663
6	14	98.894	85.275,878	2.703.402,379	31,702	31,239	56	64	83.069	20.840,173	284.413,141	13,647	13,185
7	15	98.871	83.176,588	2.618.126,501	31,477	31,014	57	65	81.816	20.025,131	263.572,968	13,162	12,700
8	16	98.841	81.123,374	2.534.949,913	31,248	30,786	58	66	80.445	19.209,483	243.547,837	12,679	12,216
9	17	98.808	79.118,586	2.453.826,538	31,015	30,552	59	67	78.957	18.394,245	224.338,355	12,196	11,734
10	18	98.777	77.164,660	2.374.707,952	30,775	30,312	60	68	77.333	17.576,476	205.944,109	11,717	11,255
11	19	98.740	75.253,872	2.297.543,293	30,531	30,068	61	69	75.588	16.760,805	188.367,633	11,239	10,776
12	20	98.698	73.387,456	2.222.289,421	30,282	29,819	62	70	73.727	15.949,482	171.606,828	10,759	10,297
13	21	98.654	71.565,556	2.148.901,965	30,027	29,565	63	71	71.700	15.132,684	155.657,346	10,286	9,824
14	22	98.617	69.793,921	2.077.336,409	29,764	29,301	64	72	69.518	14.314,354	140.524,663	9,817	9,355
15	23	98.572	68.060,637	2.007.542,487	29,496	29,034	65	73	67.188	13.497,020	126.210,309	9,351	8,889
16	24	98.523	66.367,638	1.939.481,851	29,223	28,761	66	74	64.666	12.673,653	112.713,289	8,894	8,431
17	25	98.459	64.706,531	1.873.114,213	28,948	28,485	67	75	61.985	11.851,896	100.039,636	8,441	7,978
18	26	98.385	63.080,800	1.808.407,682	28,668	28,206	68	76	59.085	11.021,775	88.187,739	8,001	7,539
19	27	98.282	61.478,347	1.745.326,882	28,389	27,927	69	77	56.018	10.194,832	77.165,964	7,569	7,107
20	28	98.175	59.913,103	1.683.848,535	28,105	27,642	70	78	52.800	9.374,803	66.971,132	7,144	6,681
21	29	98.071	58.390,032	1.623.935,432	27,812	27,349	71	79	49.393	8.556,010	57.596,329	6,732	6,269
22	30	97.965	56.904,557	1.565.545,400	27,512	27,049	72	80	45.825	7.744,382	49.040,319	6,332	5,870
23	31	97.859	55.456,620	1.508.640,843	27,204	26,742	73	81	42.058	6.934,399	41.295,937	5,955	5,493
24	32	97.752	54.044,605	1.453.184,223	26,889	26,426	74	82	38.173	6.140,384	34.361,539	5,596	5,134
25	33	97.646	52.669,452	1.399.139,617	26,565	26,102	75	83	34.191	5.365,580	28.221,154	5,260	4,797
26	34	97.536	51.326,728	1.346.470,165	26,233	25,771	76	84	30.273	4.634,918	22.855,575	4,931	4,469
27	35	97.420	50.015,586	1.295.143,437	25,895	25,432	77	85	26.451	3.951,036	18.220,657	4,612	4,149
28	36	97.301	48.735,834	1.245.127,851	25,549	25,086	78	86	22.833	3.327,319	14.269,620	4,289	3,826
29	37	97.174	47.485,340	1.196.392,017	25,195	24,733	79	87	19.284	2.741,718	10.942,302	3,991	3,529
30	38	97.046	46.266,188	1.148.906,677	24,833	24,370	80	88	15.878	2.202,413	8.200,583	3,723	3,261
31	39	96.908	45.073,217	1.102.640,489	24,463	24,001	81	89	12.765	1.727,399	5.998,171	3,472	3,010
32	40	96.754	43.903,983	1.057.567,272	24,088	23,626	82	90	9.980	1.317,610	4.270,771	3,241	2,779
33	41	96.590	42.760,829	1.013.663,289	23,705	23,243	83	91	7.565	974,411	2.953,161	3,031	2,568
34	42	96.410	41.640,085	970.902,460	23,317	22,854	84	92	5.521	693,781	1.978,750	2,852	2,390
35	43	96.210	40.540,028	929.262,375	22,922	22,460	85	93	3.903	478,535	1.284,969	2,685	2,223
36	44	95.984	39.458,572	888.722,347	22,523	22,061	86	94	2.677	320,190	806,434	2,519	2,056
37	45	95.743	38.399,185	849.263,775	22,117	21,654	87	95	1.758	205,109	486,245	2,371	1,908
38	46	95.475	37.358,015	810.864,590	21,705	21,243	88	96	1.101	125,369	281,135	2,242	1,780
39	47	95.172	36.331,254	773.506,575	21,290	20,828	89	97	659	73,200	155,766	2,128	1,666
40	48	94.841	35.321,673	737.175,321	20,870	20,408	90	98	377	40,812	82,566	2,023	1,561
41	49	94.477	34.327,895	701.853,647	20,446	19,983	91	99	205	21,695	41,754	1,925	1,462
42	50	94.070	33.346,558	667.525,753	20,018	19,555	92	100	106	10,916	20,059	1,838	1,375
43	51	93.626	32.379,456	634.179,195	19,586	19,123	93	101	52	5,199	9,143	1,759	1,296
44	52	93.135	31.423,996	601.799,739	19,151	18,689	94	102	24	2,338	3,944	1,687	1,225
45	53	92.604	30.482,873	570.375,743	18,711	18,249	95	103	10	0,990	1,606	1,622	1,159
46	54	92.028	29.554,264	539.892,870	18,268	17,805	96	104	4	0,394	0,616	1,563	1,100
47	55	91.396	28.635,610	510.338,606	17,822	17,359	97	105	2	0,147	0,222	1,509	1,046
48	56	90.709	27.727,075	481.702,996	17,373	16,911	98	106					
49	57	89.976	26.832,212	453.975,921	16,919	16,457	99	107					
							100	108					

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -9 Jahre

Zinsfuß 2,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	9	99.495	99.494,592	3.251.545,350	32,681	32,218	50	59	88.743	25.819,027	417.956,608	16,188	15,726
1	10	99.034	96.618,798	3.152.050,758	32,624	32,161	51	60	87.854	24.937,051	392.137,580	15,725	15,263
2	11	98.986	94.216,237	3.055.431,961	32,430	31,968	52	61	86.918	24.069,570	367.200,529	15,256	14,793
3	12	98.957	91.891,156	2.961.215,724	32,225	31,763	53	62	85.922	23.213,416	343.130,959	14,782	14,319
4	13	98.930	89.625,941	2.869.324,568	32,014	31,552	54	63	84.845	22.363,263	319.917,543	14,305	13,843
5	14	98.907	87.419,746	2.779.698,626	31,797	31,335	55	64	83.695	21.522,280	297.554,280	13,825	13,363
6	15	98.882	85.265,941	2.692.278,880	31,575	31,113	56	65	82.461	20.687,772	276.032,000	13,343	12,880
7	16	98.853	83.161,727	2.607.012,939	31,349	30,886	57	66	81.147	19.861,578	255.344,228	12,856	12,394
8	17	98.820	81.106,194	2.523.851,212	31,118	30,655	58	67	79.717	19.035,511	235.482,650	12,371	11,908
9	18	98.787	79.101,178	2.442.745,018	30,881	30,419	59	68	78.154	18.207,268	216.447,139	11,888	11,426
10	19	98.749	77.142,468	2.363.643,839	30,640	30,178	60	69	76.448	17.375,444	198.239,871	11,409	10,947
11	20	98.712	75.233,011	2.286.501,372	30,392	29,930	61	70	74.623	16.546,968	180.864,427	10,930	10,468
12	21	98.667	73.364,276	2.211.268,360	30,141	29,679	62	71	72.679	15.722,783	164.317,459	10,451	9,988
13	22	98.630	71.548,046	2.137.904,084	29,881	29,418	63	72	70.538	14.887,348	148.594,676	9,981	9,519
14	23	98.590	69.775,025	2.066.356,038	29,615	29,152	64	73	68.265	14.056,279	133.707,328	9,512	9,050
15	24	98.546	68.042,879	1.996.581,013	29,343	28,881	65	74	65.819	13.222,054	119.651,049	9,049	8,587
16	25	98.496	66.349,607	1.928.538,134	29,066	28,604	66	75	63.194	12.385,179	106.428,995	8,593	8,131
17	26	98.434	64.690,609	1.862.188,527	28,786	28,324	67	76	60.378	11.544,606	94.043,816	8,146	7,684
18	27	98.357	63.063,140	1.797.497,918	28,503	28,041	68	77	57.374	10.702,713	82.499,210	7,708	7,246
19	28	98.254	61.460,431	1.734.434,778	28,220	27,758	69	78	54.195	9.863,168	71.796,497	7,279	6,817
20	29	98.145	59.895,319	1.672.974,347	27,932	27,469	70	79	50.843	9.027,353	61.933,329	6,861	6,398
21	30	98.042	58.372,941	1.613.079,028	27,634	27,172	71	80	47.315	8.196,091	52.905,975	6,455	5,993
22	31	97.933	56.885,926	1.554.706,088	27,330	26,868	72	81	43.593	7.367,119	44.709,884	6,069	5,606
23	32	97.824	55.436,811	1.497.820,162	27,019	26,556	73	82	39.714	6.547,848	37.342,765	5,703	5,241
24	33	97.717	54.025,388	1.442.383,351	26,698	26,236	74	83	35.707	5.743,567	30.794,916	5,362	4,899
25	34	97.607	52.648,407	1.388.357,963	26,370	25,908	75	84	31.741	4.981,094	25.051,349	5,029	4,567
26	35	97.490	51.302,665	1.335.709,556	26,036	25,573	76	85	27.840	4.262,449	20.070,256	4,709	4,246
27	36	97.370	49.989,980	1.284.406,891	25,693	25,231	77	86	24.155	3.607,989	15.807,807	4,381	3,919
28	37	97.246	48.708,276	1.234.416,911	25,343	24,881	78	87	20.531	2.991,877	12.199,818	4,078	3,615
29	38	97.115	47.456,221	1.185.708,635	24,985	24,523	79	88	17.011	2.418,531	9.207,941	3,807	3,345
30	39	96.979	46.233,824	1.138.252,414	24,619	24,157	80	89	13.790	1.912,736	6.789,410	3,550	3,087
31	40	96.830	45.037,147	1.092.018,590	24,247	23,785	81	90	10.873	1.471,356	4.876,674	3,314	2,852
32	41	96.670	43.865,787	1.046.981,443	23,868	23,405	82	91	8.349	1.102,231	3.405,318	3,089	2,627
33	42	96.495	42.718,560	1.003.115,656	23,482	23,020	83	92	6.148	791,807	2.303,087	2,909	2,446
34	43	96.302	41.593,254	960.397,095	23,090	22,628	84	93	4.387	551,285	1.511,280	2,741	2,279
35	44	96.085	40.487,406	918.803,842	22,694	22,231	85	94	3.029	371,347	959,995	2,585	2,123
36	45	95.851	39.403,645	878.316,435	22,290	21,828	86	95	2.026	242,339	588,648	2,429	1,967
37	46	95.591	38.338,284	838.912,790	21,882	21,419	87	96	1.296	151,212	346,309	2,290	1,828
38	47	95.304	37.290,921	800.574,506	21,468	21,006	88	97	790	89,910	195,098	2,170	1,707
39	48	94.987	36.260,603	763.283,585	21,050	20,588	89	98	459	51,002	105,187	2,062	1,600
40	49	94.640	35.246,794	727.022,983	20,627	20,164	90	99	255	27,590	54,185	1,964	1,502
41	50	94.250	34.245,277	691.776,189	20,201	19,738	91	100	134	14,212	26,596	1,871	1,409
42	51	93.833	33.262,303	657.530,912	19,768	19,306	92	101	67	6,920	12,384	1,790	1,327
43	52	93.366	32.289,530	624.268,608	19,333	18,871	93	102	32	3,185	5,464	1,715	1,253
44	53	92.853	31.328,995	591.979,078	18,896	18,433	94	103	14	1,383	2,278	1,648	1,185
45	54	92.312	30.386,622	560.650,083	18,451	17,988	95	104	6	0,565	0,896	1,586	1,124
46	55	91.707	29.451,467	530.263,461	18,005	17,542	96	105	2	0,216	0,331	1,530	1,068
47	56	91.050	28.527,171	500.811,995	17,556	17,093	97	106					
48	57	90.345	27.615,758	472.284,823	17,102	16,640	98	107					
49	58	89.574	26.712,458	444.669,065	16,647	16,184	99	108					
							100	109					

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -10 Jahre

Zinsfuß 2,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	10	99.488	99.488,163	3.239.735,602	32,564	32,102	50	60	88.292	25.687,769	408.303,705	15,895	15,432
1	11	99.026	96.610,673	3.140.247,439	32,504	32,042	51	61	87.371	24.799,792	382.615,936	15,428	14,966
2	12	98.977	94.207,402	3.043.636,767	32,308	31,845	52	62	86.429	23.934,122	357.816,144	14,950	14,488
3	13	98.948	91.883,352	2.949.429,365	32,100	31,637	53	63	85.381	23.067,337	333.882,022	14,474	14,012
4	14	98.921	89.617,257	2.857.546,013	31,886	31,424	54	64	84.267	22.211,152	310.814,686	13,994	13,531
5	15	98.896	87.409,559	2.767.928,756	31,666	31,204	55	65	83.083	21.364,891	288.603,534	13,508	13,046
6	16	98.865	85.250,707	2.680.519,196	31,443	30,980	56	66	81.788	20.518,807	267.238,643	13,024	12,562
7	17	98.832	83.144,116	2.595.268,490	31,214	30,752	57	67	80.412	19.681,700	246.719,835	12,535	12,073
8	18	98.798	81.088,350	2.512.124,374	30,980	30,518	58	68	78.906	18.842,015	227.038,135	12,050	11,587
9	19	98.758	79.078,430	2.431.036,025	30,742	30,280	59	69	77.260	17.999,021	208.196,120	11,567	11,105
10	20	98.722	77.121,083	2.351.957,595	30,497	30,035	60	70	75.473	17.153,765	190.197,100	11,088	10,625
11	21	98.681	75.209,248	2.274.836,512	30,247	29,784	61	71	73.563	16.311,777	173.043,335	10,608	10,146
12	22	98.643	73.346,326	2.199.627,263	29,990	29,527	62	72	71.501	15.467,881	156.731,558	10,133	9,670
13	23	98.603	71.528,675	2.126.280,938	29,726	29,264	63	73	69.266	14.618,943	141.263,676	9,663	9,201
14	24	98.565	69.756,820	2.054.752,262	29,456	28,994	64	74	66.874	13.769,919	126.644,734	9,197	8,735
15	25	98.520	68.024,393	1.984.995,442	29,181	28,718	65	75	64.321	12.921,097	112.874,815	8,736	8,273
16	26	98.472	66.333,281	1.916.971,048	28,899	28,437	66	76	61.556	12.064,062	99.953,717	8,285	7,823
17	27	98.407	64.672,498	1.850.637,768	28,616	28,153	67	77	58.630	11.210,409	87.889,655	7,840	7,378
18	28	98.328	63.044,761	1.785.965,270	28,329	27,866	68	78	55.508	10.354,527	76.679,246	7,405	6,943
19	29	98.225	61.442,188	1.722.920,508	28,041	27,579	69	79	52.187	9.497,618	66.324,720	6,983	6,521
20	30	98.117	59.877,787	1.661.478,321	27,748	27,285	70	80	48.704	8.647,607	56.827,101	6,571	6,109
21	31	98.010	58.353,829	1.601.600,533	27,446	26,984	71	81	45.010	7.796,824	48.179,494	6,179	5,717
22	32	97.898	56.865,606	1.543.246,705	27,138	26,676	72	82	41.163	6.956,447	40.382,670	5,805	5,343
23	33	97.790	55.417,099	1.486.381,099	26,822	26,359	73	83	37.147	6.124,699	33.426,222	5,458	4,995
24	34	97.678	54.003,801	1.430.964,000	26,497	26,035	74	84	33.148	5.331,995	27.301,523	5,120	4,658
25	35	97.561	52.623,724	1.376.960,199	26,166	25,704	75	85	29.190	4.580,805	21.969,528	4,796	4,334
26	36	97.440	51.276,401	1.324.336,475	25,827	25,365	76	86	25.423	3.892,363	17.388,723	4,467	4,005
27	37	97.315	49.961,712	1.273.060,075	25,481	25,018	77	87	21.720	3.244,252	13.496,360	4,160	3,698
28	38	97.186	48.678,407	1.223.098,362	25,126	24,664	78	88	18.111	2.639,201	10.252,108	3,885	3,422
29	39	97.047	47.423,025	1.174.419,955	24,765	24,302	79	89	14.774	2.100,429	7.612,906	3,624	3,162
30	40	96.901	46.196,825	1.126.996,930	24,396	23,933	80	90	11.746	1.629,221	5.512,478	3,384	2,921
31	41	96.746	44.997,965	1.080.800,105	24,019	23,556	81	91	9.096	1.230,845	3.883,256	3,155	2,693
32	42	96.574	43.822,426	1.035.802,140	23,636	23,174	82	92	6.784	895,673	2.652,411	2,961	2,499
33	43	96.386	42.670,516	991.979,714	23,247	22,785	83	93	4.885	629,178	1.756,738	2,792	2,330
34	44	96.177	41.539,265	949.309,198	22,853	22,391	84	94	3.404	427,802	1.127,561	2,636	2,173
35	45	95.951	40.431,047	907.769,933	22,452	21,990	85	95	2.293	281,058	699,758	2,490	2,027
36	46	95.699	39.341,151	867.338,885	22,047	21,584	86	96	1.494	178,658	418,701	2,344	1,881
37	47	95.419	38.269,429	827.997,734	21,636	21,174	87	97	929	108,444	240,043	2,214	1,751
38	48	95.118	37.218,403	789.728,306	21,219	20,756	88	98	550	62,645	131,599	2,101	1,638
39	49	94.786	36.183,733	752.509,902	20,797	20,334	89	99	310	34,479	68,955	2,000	1,538
40	50	94.412	35.161,964	716.326,170	20,372	19,910	90	100	167	18,073	34,476	1,908	1,445
41	51	94.011	34.158,752	681.164,205	19,941	19,479	91	101	85	9,009	16,403	1,821	1,358
42	52	93.572	33.169,926	647.005,453	19,506	19,043	92	102	41	4,240	7,393	1,744	1,281
43	53	93.084	32.191,912	613.835,527	19,068	18,606	93	103	19	1,884	3,153	1,674	1,211
44	54	92.560	31.230,073	581.643,615	18,624	18,162	94	104	8	0,788	1,269	1,610	1,148
45	55	91.991	30.280,930	550.413,542	18,177	17,714	95	105	3	0,310	0,481	1,552	1,090
46	56	91.360	29.339,938	520.132,613	17,728	17,265	96	106					
47	57	90.685	28.412,643	490.792,675	17,274	16,811	97	107					
48	58	89.941	27.492,507	462.380,032	16,818	16,356	98	108					
49	59	89.143	26.583,820	434.887,525	16,359	15,897	99	109					
							100	110					

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -11 Jahre

Zinsfuß 2,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	11	99.480	99.479,797	3.227.272,948	32,441	31,979	50	61	87.806	25.546,377	398.184,244	15,587	15,124
1	12	99.017	96.601,613	3.127.793,152	32,378	31,916	51	62	86.879	24.660,235	372.637,867	15,111	14,648
2	13	98.968	94.199,401	3.031.191,539	32,178	31,716	52	63	85.885	23.783,507	347.977,633	14,631	14,169
3	14	98.939	91.874,449	2.936.992,138	31,967	31,505	53	64	84.800	22.910,436	324.194,126	14,150	13,688
4	15	98.909	89.606,815	2.845.117,689	31,751	31,289	54	65	83.651	22.048,726	301.283,689	13,664	13,202
5	16	98.878	87.393,942	2.755.510,874	31,530	31,067	55	66	82.405	21.190,396	279.234,964	13,177	12,715
6	17	98.844	85.232,653	2.668.116,932	31,304	30,842	56	67	81.047	20.332,977	258.044,568	12,691	12,229
7	18	98.810	83.125,822	2.582.884,280	31,072	30,610	57	68	79.595	19.481,636	237.711,590	12,202	11,739
8	19	98.770	81.065,029	2.499.758,457	30,836	30,374	58	69	78.004	18.626,508	218.229,955	11,716	11,254
9	20	98.731	79.056,509	2.418.693,428	30,594	30,132	59	70	76.275	17.769,386	199.603,447	11,233	10,771
10	21	98.690	77.096,724	2.339.636,920	30,347	29,884	60	71	74.400	16.909,949	181.834,061	10,753	10,291
11	22	98.657	75.190,847	2.262.540,196	30,091	29,628	61	72	72.370	16.047,326	164.924,111	10,277	9,815
12	23	98.616	73.326,468	2.187.349,349	29,830	29,368	62	73	70.212	15.189,009	148.876,785	9,802	9,339
13	24	98.577	71.510,013	2.114.022,881	29,563	29,100	63	74	67.855	14.321,120	133.687,776	9,335	8,873
14	25	98.538	69.737,869	2.042.512,868	29,288	28,826	64	75	65.352	13.456,492	119.366,656	8,871	8,408
15	26	98.495	68.007,655	1.972.774,999	29,008	28,546	65	76	62.653	12.586,085	105.910,164	8,415	7,952
16	27	98.445	66.314,710	1.904.767,344	28,723	28,261	66	77	59.774	11.714,828	93.324,079	7,966	7,504
17	28	98.378	64.653,650	1.838.452,634	28,435	27,973	67	78	56.723	10.845,706	81.609,251	7,525	7,062
18	29	98.299	63.026,048	1.773.798,983	28,144	27,681	68	79	53.450	9.970,766	70.763,545	7,097	6,635
19	30	98.196	61.424,203	1.710.772,935	27,852	27,389	69	80	49.992	9.098,090	60.792,779	6,682	6,220
20	31	98.085	59.858,182	1.649.348,732	27,554	27,092	70	81	46.332	8.226,345	51.694,688	6,284	5,822
21	32	97.975	58.332,984	1.589.490,550	27,249	26,786	71	82	42.501	7.362,199	43.468,344	5,904	5,442
22	33	97.863	56.845,386	1.531.157,566	26,935	26,473	72	83	38.503	6.506,893	36.106,145	5,549	5,086
23	34	97.751	55.394,955	1.474.312,180	26,615	26,152	73	84	34.485	5.685,816	29.599,252	5,206	4,743
24	35	97.632	53.978,483	1.418.917,225	26,287	25,824	74	85	30.484	4.903,508	23.913,436	4,877	4,414
25	36	97.511	52.596,783	1.364.938,742	25,951	25,489	75	86	26.655	4.183,078	19.009,928	4,544	4,082
26	37	97.385	51.247,406	1.312.341,958	25,608	25,146	76	87	22.860	3.499,957	14.826,850	4,236	3,774
27	38	97.256	49.931,075	1.261.094,553	25,257	24,794	77	88	19.159	2.861,827	11.326,893	3,958	3,496
28	39	97.118	48.644,356	1.211.163,477	24,898	24,436	78	89	15.729	2.292,075	8.465,066	3,693	3,231
29	40	96.969	47.385,074	1.162.519,122	24,533	24,071	79	90	12.584	1.789,093	6.172,991	3,450	2,988
30	41	96.817	46.156,635	1.115.134,048	24,160	23,697	80	91	9.826	1.362,906	4.383,898	3,217	2,754
31	42	96.650	44.953,486	1.068.977,413	23,780	23,317	81	92	7.391	1.000,185	3.020,992	3,020	2,558
32	43	96.465	43.773,140	1.024.023,927	23,394	22,931	82	93	5.391	711,711	2.020,807	2,839	2,377
33	44	96.261	42.615,129	980.250,787	23,002	22,540	83	94	3.791	488,248	1.309,097	2,681	2,219
34	45	96.043	41.481,442	937.635,658	22,604	22,141	84	95	2.577	323,786	820,849	2,535	2,073
35	46	95.799	40.366,923	896.154,216	22,200	21,738	85	96	1.690	207,202	497,063	2,399	1,937
36	47	95.527	39.270,495	855.787,293	21,792	21,330	86	97	1.071	128,127	289,860	2,262	1,800
37	48	95.233	38.195,008	816.516,798	21,378	20,915	87	98	648	75,557	161,733	2,141	1,678
38	49	94.917	37.139,503	778.321,790	20,957	20,494	88	99	372	42,350	86,176	2,035	1,572
39	50	94.558	36.096,648	741.182,287	20,533	20,071	89	100	203	22,586	43,826	1,940	1,478
40	51	94.174	35.073,123	705.085,639	20,103	19,641	90	101	106	11,458	21,240	1,854	1,391
41	52	93.750	34.063,885	670.012,515	19,669	19,207	91	102	52	5,520	9,783	1,772	1,310
42	53	93.289	33.069,646	635.948,631	19,231	18,768	92	103	24	2,508	4,263	1,700	1,238
43	54	92.790	32.090,265	602.878,984	18,787	18,325	93	104	11	1,074	1,755	1,634	1,172
44	55	92.238	31.121,447	570.788,719	18,341	17,878	94	105	4	0,433	0,681	1,574	1,112
45	56	91.642	30.166,260	539.667,272	17,890	17,427	95	106					
46	57	90.993	29.222,147	509.501,012	17,435	16,973	96	107					
47	58	90.280	28.285,835	480.278,866	16,979	16,517	97	108					
48	59	89.508	27.360,113	451.993,031	16,520	16,058	98	109					
49	60	88.690	26.448,674	424.632,918	16,055	15,593	99	110					
							100	111					

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -12 Jahre

Zinsfuß 2,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	12	99.470	99.470,467	3.214.148,585	32,313	31,850	50	62	87.312	25.402,619	387.602,842	15,258	14,796
1	13	99.008	96.593,409	3.114.678,118	32,245	31,783	51	63	86.332	24.505,050	362.200,224	14,781	14,318
2	14	98.959	94.190,274	3.018.084,709	32,042	31,580	52	64	85.301	23.621,735	337.695,173	14,296	13,834
3	15	98.927	91.863,743	2.923.894,436	31,829	31,366	53	65	84.180	22.742,896	314.073,438	13,810	13,347
4	16	98.891	89.590,805	2.832.030,692	31,611	31,148	54	66	82.968	21.868,645	291.330,542	13,322	12,859
5	17	98.857	87.375,434	2.742.439,887	31,387	30,924	55	67	81.658	20.998,484	269.461,896	12,832	12,370
6	18	98.822	85.213,900	2.655.064,453	31,158	30,695	56	68	80.223	20.126,293	248.463,413	12,345	11,883
7	19	98.782	83.101,916	2.569.850,553	30,924	30,462	57	69	78.685	19.258,813	228.337,120	11,856	11,394
8	20	98.742	81.042,557	2.486.748,637	30,684	30,222	58	70	77.009	18.388,868	209.078,307	11,370	10,907
9	21	98.700	79.031,538	2.405.706,080	30,440	29,977	59	71	75.191	17.516,820	190.689,439	10,886	10,424
10	22	98.666	77.077,861	2.326.674,542	30,186	29,724	60	72	73.194	16.635,801	173.172,619	10,410	9,947
11	23	98.630	75.170,490	2.249.596,681	29,927	29,464	61	73	71.065	15.758,007	156.536,818	9,934	9,471
12	24	98.590	73.307,337	2.174.426,191	29,662	29,199	62	74	68.781	14.879,573	140.778,811	9,461	8,999
13	25	98.551	71.490,585	2.101.118,855	29,390	28,928	63	75	66.310	13.995,147	125.899,238	8,996	8,534
14	26	98.514	69.720,709	2.029.628,269	29,111	28,648	64	76	63.658	13.107,598	111.904,091	8,537	8,075
15	27	98.468	67.988,615	1.959.907,561	28,827	28,365	65	77	60.839	12.221,739	98.796,493	8,084	7,621
16	28	98.416	66.295,384	1.891.918,945	28,538	28,075	66	78	57.829	11.333,715	86.574,754	7,639	7,176
17	29	98.349	64.634,460	1.825.623,561	28,245	27,783	67	79	54.620	10.443,741	75.241,039	7,204	6,742
18	30	98.270	63.007,600	1.760.989,101	27,949	27,486	68	80	51.202	9.551,335	64.797,298	6,784	6,322
19	31	98.164	61.404,092	1.697.981,501	27,653	27,190	69	81	47.556	8.654,883	55.245,963	6,383	5,921
20	32	98.050	59.836,800	1.636.577,409	27,351	26,888	70	82	43.749	7.767,776	46.591,080	5,998	5,536
21	33	97.940	58.312,242	1.576.740,609	27,040	26,577	71	83	39.755	6.886,423	38.823,304	5,638	5,175
22	34	97.824	56.822,671	1.518.428,367	26,722	26,260	72	84	35.744	6.040,622	31.936,881	5,287	4,825
23	35	97.705	55.368,985	1.461.605,696	26,398	25,935	73	85	31.714	5.228,895	25.896,259	4,953	4,490
24	36	97.582	53.950,848	1.406.236,710	26,065	25,603	74	86	27.837	4.477,763	20.667,363	4,616	4,153
25	37	97.456	52.567,042	1.352.285,862	25,725	25,263	75	87	23.968	3.761,364	16.189,601	4,304	3,842
26	38	97.325	51.215,980	1.299.718,820	25,377	24,915	76	88	20.165	3.087,390	12.428,237	4,025	3,563
27	39	97.188	49.896,148	1.248.502,840	25,022	24,560	77	89	16.639	2.485,419	9.340,847	3,758	3,296
28	40	97.040	48.605,428	1.198.606,693	24,660	24,198	78	90	13.397	1.952,333	6.855,428	3,511	3,049
29	41	96.885	47.343,850	1.150.001,265	24,290	23,828	79	91	10.527	1.496,645	4.903,095	3,276	2,814
30	42	96.721	46.111,010	1.102.657,415	23,913	23,451	80	92	7.985	1.107,497	3.406,450	3,076	2,613
31	43	96.542	44.902,928	1.056.546,406	23,530	23,067	81	93	5.873	794,757	2.298,953	2,893	2,430
32	44	96.340	43.716,322	1.011.643,478	23,141	22,679	82	94	4.183	552,294	1.504,196	2,724	2,261
33	45	96.127	42.555,808	967.927,156	22,745	22,282	83	95	2.869	369,535	951,902	2,576	2,114
34	46	95.891	41.415,652	925.371,348	22,344	21,881	84	96	1.900	238,703	582,368	2,440	1,977
35	47	95.627	40.294,425	883.955,696	21,937	21,475	85	97	1.212	148,598	343,665	2,313	1,850
36	48	95.341	39.194,128	843.661,271	21,525	21,063	86	98	746	89,272	195,067	2,185	1,723
37	49	95.032	38.114,038	804.467,143	21,107	20,644	87	99	438	51,079	105,795	2,071	1,609
38	50	94.688	37.050,118	766.353,106	20,684	20,222	88	100	244	27,742	54,716	1,972	1,510
39	51	94.319	36.005,446	729.302,987	20,255	19,793	89	101	129	14,318	26,974	1,884	1,421
40	52	93.912	34.975,717	693.297,542	19,822	19,360	90	102	65	7,020	12,655	1,803	1,340
41	53	93.467	33.960,903	658.321,825	19,385	18,922	91	103	31	3,265	5,635	1,726	1,264
42	54	92.995	32.965,228	624.360,922	18,940	18,478	92	104	14	1,430	2,371	1,658	1,196
43	55	92.467	31.978,647	591.395,695	18,493	18,031	93	105	6	0,589	0,941	1,596	1,134
44	56	91.889	31.003,594	559.417,048	18,044	17,581	94	106					
45	57	91.274	30.045,151	528.413,453	17,587	17,125	95	107					
46	58	90.587	29.091,726	498.368,302	17,131	16,669	96	108					
47	59	89.845	28.149,621	469.276,577	16,671	16,208	97	109					
48	60	89.053	27.221,020	441.126,956	16,205	15,743	98	110					
49	61	88.202	26.303,094	413.905,936	15,736	15,274	99	111					
							100	112					

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -13 Jahre

Zinsfuß 2,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	13	99.462	99.462,020	3.200.353,785	32,177	31,714	50	63	86.762	25.242,763	376.557,545	14,917	14,455
1	14	98.999	96.584,050	3.100.891,766	32,106	31,643	51	64	85.745	24.338,371	351.314,782	14,435	13,972
2	15	98.947	94.179,298	3.004.307,716	31,900	31,437	52	65	84.677	23.448,994	326.976,412	13,944	13,482
3	16	98.910	91.847,330	2.910.128,418	31,684	31,222	53	66	83.493	22.557,147	303.527,418	13,456	12,994
4	17	98.871	89.571,832	2.818.281,088	31,464	31,002	54	67	82.217	21.670,590	280.970,271	12,966	12,503
5	18	98.836	87.356,210	2.728.709,256	31,237	30,774	55	68	80.828	20.785,034	259.299,681	12,475	12,013
6	19	98.794	85.189,393	2.641.353,046	31,006	30,543	56	69	79.306	19.896,097	238.514,647	11,988	11,526
7	20	98.755	83.078,880	2.556.163,653	30,768	30,305	57	70	77.681	19.013,106	218.618,550	11,498	11,036
8	21	98.711	81.016,960	2.473.084,773	30,526	30,063	58	71	75.914	18.127,497	199.605,444	11,011	10,549
9	22	98.675	79.012,201	2.392.067,814	30,275	29,812	59	72	73.972	17.232,833	181.477,947	10,531	10,069
10	23	98.639	77.056,993	2.313.055,612	30,017	29,555	60	73	71.874	16.335,872	164.245,114	10,054	9,592
11	24	98.604	75.150,877	2.235.998,620	29,753	29,291	61	74	69.617	15.436,979	147.909,242	9,581	9,119
12	25	98.563	73.287,421	2.160.847,743	29,485	29,022	62	75	67.216	14.540,888	132.472,263	9,110	8,648
13	26	98.526	71.472,994	2.087.560,322	29,208	28,745	63	76	64.591	13.632,288	117.931,375	8,651	8,188
14	27	98.486	69.701,190	2.016.087,328	28,925	28,462	64	77	61.815	12.728,155	104.299,087	8,194	7,732
15	28	98.439	67.968,801	1.946.386,138	28,636	28,174	65	78	58.860	11.824,135	91.570,932	7,744	7,282
16	29	98.387	66.275,706	1.878.417,337	28,342	27,880	66	79	55.686	10.913,663	79.746,797	7,307	6,845
17	30	98.320	64.615,541	1.812.141,631	28,045	27,583	67	80	52.323	10.004,413	68.833,134	6,880	6,418
18	31	98.238	62.986,970	1.747.526,090	27,744	27,282	68	81	48.708	9.086,047	58.828,720	6,475	6,012
19	32	98.129	61.382,158	1.684.539,120	27,443	26,981	69	82	44.905	8.172,426	49.742,673	6,087	5,624
20	33	98.015	59.815,524	1.623.156,962	27,136	26,674	70	83	40.922	7.265,791	41.570,247	5,721	5,259
21	34	97.901	58.288,942	1.563.341,438	26,821	26,358	71	84	36.906	6.392,956	34.304,457	5,366	4,904
22	35	97.778	56.796,032	1.505.052,496	26,499	26,037	72	85	32.871	5.555,189	27.911,500	5,024	4,562
23	36	97.655	55.340,639	1.448.256,464	26,170	25,707	73	86	28.961	4.774,898	22.356,312	4,682	4,220
24	37	97.527	53.920,341	1.392.915,825	25,833	25,370	74	87	25.031	4.026,340	17.581,413	4,367	3,904
25	38	97.397	52.534,807	1.338.995,484	25,488	25,025	75	88	21.143	3.317,983	13.555,074	4,085	3,623
26	39	97.257	51.180,154	1.286.460,677	25,136	24,674	76	89	17.513	2.681,315	10.237,091	3,818	3,356
27	40	97.110	49.856,218	1.235.280,524	24,777	24,314	77	90	14.173	2.117,019	7.555,776	3,569	3,107
28	41	96.956	48.563,142	1.185.424,306	24,410	23,948	78	91	11.207	1.633,201	5.438,757	3,330	2,868
29	42	96.789	47.297,051	1.136.861,164	24,037	23,574	79	92	8.554	1.216,173	3.805,557	3,129	2,667
30	43	96.612	46.059,150	1.089.564,113	23,656	23,193	80	93	6.345	880,028	2.589,383	2,942	2,480
31	44	96.416	44.844,643	1.043.504,963	23,269	22,807	81	94	4.558	616,739	1.709,355	2,772	2,309
32	45	96.206	43.655,468	998.660,321	22,876	22,414	82	95	3.166	418,009	1.092,616	2,614	2,151
33	46	95.975	42.488,314	955.004,852	22,477	22,014	83	96	2.115	272,430	674,607	2,476	2,014
34	47	95.718	41.341,270	912.516,538	22,073	21,610	84	97	1.362	171,189	402,178	2,349	1,887
35	48	95.441	40.216,067	871.175,268	21,662	21,200	85	98	845	103,535	230,988	2,231	1,769
36	49	95.139	39.111,039	830.959,201	21,246	20,784	86	99	505	60,350	127,453	2,112	1,649
37	50	94.803	38.022,308	791.848,162	20,826	20,363	87	100	287	33,461	67,103	2,005	1,543
38	51	94.449	36.956,506	753.825,855	20,398	19,935	88	101	154	17,587	33,643	1,913	1,451
39	52	94.057	35.905,450	716.869,348	19,965	19,503	89	102	79	8,773	16,056	1,830	1,368
40	53	93.628	34.869,978	680.963,899	19,529	19,066	90	103	38	4,152	7,283	1,754	1,292
41	54	93.172	33.853,670	646.093,921	19,085	18,622	91	104	18	1,861	3,131	1,682	1,220
42	55	92.671	32.850,567	612.240,251	18,637	18,175	92	105	8	0,785	1,270	1,618	1,156
43	56	92.117	31.857,549	579.389,684	18,187	17,724	93	106					
44	57	91.520	30.879,124	547.532,136	17,731	17,269	94	107					
45	58	90.867	29.911,057	516.653,012	17,273	16,811	95	108					
46	59	90.151	28.951,631	486.741,955	16,812	16,350	96	109					
47	60	89.388	28.006,514	457.790,325	16,346	15,883	97	110					
48	61	88.563	27.071,189	429.783,811	15,876	15,414	98	111					
49	62	87.705	26.155,077	402.712,622	15,397	14,935	99	112					
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -14 Jahre

Zinsfuß 2,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	14	99.452	99.452,383	3.185.878,817	32,034	31,572	50	64	86.172	25.071,066	365.061,592	14,561	14,099
1	15	98.987	96.572,795	3.086.426,435	31,960	31,497	51	65	85.118	24.160,389	339.990,526	14,072	13,610
2	16	98.929	94.162,471	2.989.853,639	31,752	31,290	52	66	83.985	23.257,477	315.830,137	13,580	13,117
3	17	98.889	91.827,879	2.895.691,168	31,534	31,071	53	67	82.737	22.352,856	292.572,660	13,089	12,626
4	18	98.849	89.552,124	2.803.863,289	31,310	30,847	54	68	81.381	21.450,309	270.219,804	12,597	12,135
5	19	98.807	87.331,087	2.714.311,165	31,081	30,618	55	69	79.904	20.547,304	248.769,495	12,107	11,645
6	20	98.766	85.165,778	2.626.980,078	30,845	30,383	56	70	78.294	19.642,259	228.222,191	11,619	11,157
7	21	98.723	83.052,639	2.541.814,300	30,605	30,142	57	71	76.577	18.742,862	208.579,933	11,128	10,666
8	22	98.687	80.997,137	2.458.761,661	30,356	29,894	58	72	74.683	17.833,609	189.837,070	10,645	10,182
9	23	98.649	78.990,810	2.377.764,524	30,102	29,639	59	73	72.638	16.922,140	172.003,461	10,164	9,702
10	24	98.614	77.036,888	2.298.773,715	29,840	29,377	60	74	70.410	16.003,072	155.081,321	9,691	9,228
11	25	98.578	75.130,460	2.221.736,827	29,572	29,109	61	75	68.033	15.085,607	139.078,249	9,219	8,757
12	26	98.539	73.269,387	2.146.606,366	29,297	28,835	62	76	65.473	14.163,879	123.992,642	8,754	8,292
13	27	98.499	71.452,984	2.073.336,979	29,017	28,554	63	77	62.721	13.237,655	109.828,763	8,297	7,834
14	28	98.457	69.680,877	2.001.883,995	28,729	28,267	64	78	59.804	12.314,076	96.591,108	7,844	7,382
15	29	98.410	67.948,627	1.932.203,118	28,436	27,974	65	79	56.679	11.385,908	84.277,031	7,402	6,939
16	30	98.358	66.256,306	1.864.254,491	28,137	27,675	66	80	53.343	10.454,568	72.891,124	6,972	6,510
17	31	98.288	64.594,385	1.797.998,185	27,835	27,373	67	81	49.774	9.517,055	62.436,556	6,560	6,098
18	32	98.203	62.964,471	1.733.403,800	27,530	27,067	68	82	45.993	8.579,556	52.919,502	6,168	5,706
19	33	98.094	61.360,332	1.670.439,329	27,223	26,761	69	83	42.003	7.644,290	44.339,946	5,800	5,338
20	34	97.976	59.791,623	1.609.078,998	26,911	26,449	70	84	37.989	6.745,139	36.695,656	5,440	4,978
21	35	97.855	58.261,615	1.549.287,375	26,592	26,129	71	85	33.940	5.879,209	29.950,517	5,094	4,632
22	36	97.728	56.766,955	1.491.025,760	26,266	25,803	72	86	30.017	5.072,861	24.071,308	4,745	4,283
23	37	97.599	55.309,346	1.434.258,805	25,932	25,469	73	87	26.041	4.293,520	18.998,447	4,425	3,962
24	38	97.467	53.887,276	1.378.949,459	25,590	25,127	74	88	22.080	3.551,724	14.704,927	4,140	3,678
25	39	97.328	52.498,058	1.325.062,183	25,240	24,778	75	89	18.362	2.881,579	11.153,203	3,871	3,408
26	40	97.179	51.139,196	1.272.564,125	24,884	24,422	76	90	14.917	2.283,877	8.271,624	3,622	3,159
27	41	97.025	49.812,844	1.221.424,928	24,520	24,058	77	91	11.856	1.770,967	5.987,747	3,381	2,919
28	42	96.860	48.515,138	1.171.612,085	24,149	23,687	78	92	9.107	1.327,139	4.216,780	3,177	2,715
29	43	96.680	47.243,857	1.123.096,947	23,772	23,310	79	93	6.797	966,384	2.889,641	2,990	2,528
30	44	96.487	45.999,364	1.075.853,090	23,388	22,926	80	94	4.923	682,910	1.923,258	2,816	2,354
31	45	96.282	44.782,219	1.029.853,726	22,997	22,535	81	95	3.449	466,784	1.240,348	2,657	2,195
32	46	96.053	43.586,230	985.071,507	22,601	22,138	82	96	2.334	308,166	773,563	2,510	2,048
33	47	95.802	42.412,006	941.485,277	22,199	21,736	83	97	1.517	195,377	465,397	2,382	1,920
34	48	95.532	41.260,876	899.073,270	21,790	21,328	84	98	949	119,275	270,020	2,264	1,801
35	49	95.239	40.130,811	857.812,394	21,375	20,913	85	99	571	69,993	150,745	2,154	1,691
36	50	94.910	39.016,909	817.681,583	20,957	20,495	86	100	331	39,534	80,753	2,043	1,580
37	51	94.563	37.926,239	778.664,674	20,531	20,069	87	101	182	21,212	41,219	1,943	1,481
38	52	94.187	36.853,869	740.738,434	20,099	19,637	88	102	95	10,776	20,006	1,857	1,394
39	53	93.773	35.796,900	703.884,565	19,663	19,201	89	103	47	5,188	9,231	1,779	1,317
40	54	93.332	34.759,874	668.087,665	19,220	18,758	90	104	22	2,367	4,043	1,708	1,246
41	55	92.848	33.735,918	633.327,791	18,773	18,311	91	105	10	1,021	1,676	1,640	1,178
42	56	92.320	32.726,166	599.591,872	18,321	17,859	92	106					
43	57	91.747	31.729,649	566.865,706	17,865	17,403	93	107					
44	58	91.111	30.741,307	535.136,057	17,408	16,945	94	108					
45	59	90.429	29.767,016	504.394,749	16,945	16,482	95	109					
46	60	89.693	28.804,447	474.627,733	16,478	16,015	96	110					
47	61	88.896	27.852,359	445.823,286	16,007	15,544	97	111					
48	62	88.065	26.918,849	417.970,927	15,527	15,065	98	112					
49	63	87.153	25.990,486	391.052,078	15,046	14,584	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -15 Jahre

Zinsfuß 2,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	15	99.441	99.440,794	3.170.716,788	31,885	31,423	50	65	85.542	24.887,725	353.125,181	14,189	13,726
1	16	98.969	96.555,540	3.071.275,994	31,808	31,346	51	66	84.423	23.963,062	328.237,455	13,698	13,235
2	17	98.908	94.142,530	2.974.720,453	31,598	31,136	52	67	83.225	23.046,844	304.274,394	13,202	12,740
3	18	98.867	91.807,675	2.880.577,923	31,376	30,914	53	68	81.896	22.125,639	281.227,550	12,710	12,248
4	19	98.820	89.526,370	2.788.770,248	31,150	30,688	54	69	80.450	21.204,969	259.101,910	12,219	11,757
5	20	98.780	87.306,878	2.699.243,878	30,917	30,454	55	70	78.884	20.285,158	237.896,941	11,728	11,265
6	21	98.735	85.138,878	2.611.937,000	30,679	30,216	56	71	77.181	19.363,073	217.611,783	11,238	10,776
7	22	98.699	83.032,318	2.526.798,122	30,432	29,969	57	72	75.335	18.438,998	198.248,710	10,752	10,289
8	23	98.660	80.975,208	2.443.765,804	30,179	29,717	58	73	73.337	17.512,085	179.809,712	10,268	9,805
9	24	98.623	78.970,200	2.362.790,596	29,920	29,458	59	74	71.158	16.577,396	162.297,628	9,790	9,328
10	25	98.587	77.015,959	2.283.820,396	29,654	29,191	60	75	68.807	15.638,814	145.720,231	9,318	8,855
11	26	98.553	75.111,973	2.206.804,437	29,380	28,918	61	76	66.269	14.694,475	130.081,417	8,852	8,390
12	27	98.512	73.248,875	2.131.692,464	29,102	28,640	62	77	63.578	13.753,858	115.386,942	8,389	7,927
13	28	98.470	71.432,161	2.058.443,589	28,817	28,354	63	78	60.681	12.807,001	101.633,084	7,936	7,473
14	29	98.428	69.660,194	1.987.011,429	28,524	28,062	64	79	57.587	11.857,691	88.826,083	7,491	7,029
15	30	98.381	67.928,738	1.917.351,235	28,226	27,764	65	80	54.294	10.906,946	76.968,392	7,057	6,594
16	31	98.326	66.234,613	1.849.422,497	27,922	27,460	66	81	50.745	9.945,280	66.061,446	6,642	6,180
17	32	98.253	64.571,311	1.783.187,884	27,616	27,153	67	82	46.999	8.986,537	56.116,166	6,244	5,782
18	33	98.168	62.942,082	1.718.616,573	27,305	26,842	68	83	43.020	8.025,109	47.129,629	5,873	5,410
19	34	98.055	61.335,814	1.655.674,491	26,994	26,531	69	84	38.993	7.096,516	39.104,519	5,510	5,048
20	35	97.930	59.763,591	1.594.338,677	26,677	26,215	70	85	34.936	6.203,089	32.008,003	5,160	4,698
21	36	97.805	58.231,788	1.534.575,086	26,353	25,890	71	86	30.993	5.368,749	25.804,914	4,807	4,344
22	37	97.673	56.734,855	1.476.343,298	26,022	25,559	72	87	26.991	4.561,444	20.436,165	4,480	4,018
23	38	97.540	55.275,429	1.419.608,443	25,682	25,220	73	88	22.971	3.787,410	15.874,722	4,191	3,729
24	39	97.399	53.849,582	1.364.333,014	25,336	24,874	74	89	19.176	3.084,576	12.087,312	3,919	3,456
25	40	97.251	52.456,046	1.310.483,432	24,983	24,520	75	90	15.640	2.454,457	9.002,736	3,668	3,205
26	41	97.095	51.094,706	1.258.027,386	24,621	24,159	76	91	12.479	1.910,550	6.548,278	3,427	2,965
27	42	96.930	49.763,604	1.206.932,680	24,253	23,791	77	92	9.634	1.439,088	4.637,728	3,223	2,760
28	43	96.751	48.460,574	1.157.169,076	23,879	23,416	78	93	7.237	1.054,558	3.198,640	3,033	2,571
29	44	96.555	47.182,534	1.108.708,502	23,498	23,036	79	94	5.275	749,922	2.144,083	2,859	2,397
30	45	96.352	45.935,333	1.061.525,968	23,109	22,647	80	95	3.726	516,867	1.394,160	2,697	2,235
31	46	96.129	44.711,194	1.015.590,635	22,714	22,252	81	96	2.543	344,124	877,293	2,549	2,087
32	47	95.881	43.507,950	970.879,442	22,315	21,853	82	97	1.674	221,006	533,169	2,412	1,950
33	48	95.616	42.329,530	927.371,491	21,908	21,446	83	98	1.057	136,128	312,163	2,293	1,831
34	49	95.330	41.173,406	885.041,962	21,495	21,033	84	99	642	80,633	176,035	2,183	1,721
35	50	95.009	40.034,228	843.868,556	21,079	20,616	85	100	374	45,850	95,402	2,081	1,618
36	51	94.670	38.918,328	803.834,328	20,654	20,192	86	101	210	25,062	49,551	1,977	1,515
37	52	94.301	37.820,909	764.916,000	20,225	19,762	87	102	111	12,997	24,489	1,884	1,422
38	53	93.902	36.742,452	727.095,091	19,789	19,327	88	103	56	6,373	11,492	1,803	1,341
39	54	93.477	35.683,870	690.352,639	19,346	18,884	89	104	27	2,958	5,119	1,731	1,268
40	55	93.008	34.638,971	654.668,769	18,900	18,437	90	105	12	1,299	2,162	1,664	1,201
41	56	92.496	33.608,165	620.029,798	18,449	17,986	91	106					
42	57	91.950	32.594,780	586.421,632	17,991	17,529	92	107					
43	58	91.337	31.588,037	553.826,853	17,533	17,070	93	108					
44	59	90.673	30.593,269	522.238,815	17,070	16,608	94	109					
45	60	89.970	29.615,687	491.645,547	16,601	16,138	95	110					
46	61	89.199	28.645,900	462.029,860	16,129	15,667	96	111					
47	62	88.396	27.695,624	433.383,960	15,648	15,186	97	112					
48	63	87.511	26.749,452	405.688,336	15,166	14,704	98						
49	64	86.560	25.813,703	378.938,884	14,680	14,217	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -16 Jahre

Zinsfuß 2,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	16	99.423	99.423,027	3.154.862,212	31,732	31,269	50	66	84.843	24.684,458	340.759,410	13,805	13,342
1	17	98.948	96.535,092	3.055.439,185	31,651	31,189	51	67	83.658	23.746,038	316.074,951	13,311	12,848
2	18	98.887	94.121,817	2.958.904,093	31,437	30,975	52	68	82.379	22.812,573	292.328,913	12,814	12,352
3	19	98.838	91.781,272	2.864.782,276	31,213	30,751	53	69	80.959	21.872,576	269.516,340	12,322	11,860
4	20	98.793	89.501,553	2.773.001,004	30,983	30,520	54	70	79.424	20.934,433	247.643,764	11,829	11,367
5	21	98.749	87.279,302	2.683.499,451	30,746	30,284	55	71	77.763	19.996,834	226.709,332	11,337	10,875
6	22	98.711	85.118,047	2.596.220,150	30,501	30,039	56	72	75.930	19.049,153	206.712,498	10,852	10,389
7	23	98.673	83.009,838	2.511.102,103	30,251	29,788	57	73	73.977	18.106,559	187.663,344	10,364	9,902
8	24	98.635	80.954,081	2.428.092,265	29,993	29,531	58	74	71.843	17.155,322	169.556,785	9,884	9,421
9	25	98.596	78.948,746	2.347.138,184	29,730	29,267	59	75	69.538	16.200,066	152.401,463	9,407	8,945
10	26	98.563	76.997,008	2.268.189,438	29,458	28,996	60	76	67.023	15.233,339	136.201,396	8,941	8,479
11	27	98.526	75.090,945	2.191.192,430	29,181	28,718	61	77	64.351	14.269,094	120.968,058	8,478	8,015
12	28	98.483	73.227,528	2.116.101,485	28,898	28,435	62	78	61.509	13.306,411	106.698,964	8,019	7,556
13	29	98.441	71.410,958	2.042.873,958	28,607	28,145	63	79	58.432	12.332,347	93.392,553	7,573	7,111
14	30	98.399	69.639,804	1.971.463,000	28,309	27,847	64	80	55.165	11.358,883	81.060,207	7,136	6,674
15	31	98.349	67.906,497	1.901.823,196	28,006	27,544	65	81	51.649	10.375,621	69.701,323	6,718	6,255
16	32	98.291	66.210,953	1.833.916,699	27,698	27,236	66	82	47.916	9.390,891	59.325,702	6,317	5,855
17	33	98.218	64.548,351	1.767.705,746	27,386	26,923	67	83	43.962	8.405,790	49.934,810	5,941	5,478
18	34	98.129	62.916,932	1.703.157,395	27,070	26,608	68	84	39.938	7.450,047	41.529,021	5,574	5,112
19	35	98.009	61.307,058	1.640.240,463	26,755	26,292	69	85	35.860	6.526,229	34.078,974	5,222	4,759
20	36	97.879	59.732,995	1.578.933,405	26,433	25,971	70	86	31.903	5.664,508	27.552,745	4,864	4,402
21	37	97.750	58.198,860	1.519.200,410	26,104	25,641	71	87	27.869	4.827,501	21.888,236	4,534	4,072
22	38	97.613	56.700,065	1.461.001,550	25,767	25,305	72	88	23.809	4.023,751	17.060,735	4,240	3,778
23	39	97.471	55.236,763	1.404.301,485	25,423	24,961	73	89	19.950	3.289,263	13.036,984	3,963	3,501
24	40	97.321	53.806,488	1.349.064,722	25,073	24,610	74	90	16.334	2.627,366	9.747,721	3,710	3,248
25	41	97.166	52.410,410	1.295.258,234	24,714	24,251	75	91	13.084	2.053,247	7.120,355	3,468	3,005
26	42	96.999	51.044,200	1.242.847,824	24,348	23,886	76	92	10.140	1.552,513	5.067,108	3,264	2,801
27	43	96.821	49.707,637	1.191.803,625	23,976	23,514	77	93	7.656	1.143,513	3.514,595	3,074	2,611
28	44	96.626	48.397,671	1.142.095,988	23,598	23,136	78	94	5.616	818,347	2.371,081	2,897	2,435
29	45	96.420	47.116,855	1.093.698,317	23,212	22,750	79	95	3.992	567,586	1.552,735	2,736	2,273
30	46	96.200	45.862,479	1.046.581,461	22,820	22,358	80	96	2.747	381,046	985,149	2,585	2,123
31	47	95.957	44.630,893	1.000.718,983	22,422	21,960	81	97	1.824	246,794	604,102	2,448	1,985
32	48	95.694	43.423,343	956.088,089	22,018	21,555	82	98	1.166	153,985	357,309	2,320	1,858
33	49	95.413	42.239,794	912.664,747	21,607	21,144	83	99	714	92,026	203,324	2,209	1,747
34	50	95.100	41.074,313	870.424,953	21,191	20,729	84	100	420	52,821	111,298	2,107	1,645
35	51	94.769	39.933,076	829.350,640	20,769	20,306	85	101	237	29,067	58,477	2,012	1,549
36	52	94.407	38.810,242	789.417,564	20,340	19,878	86	102	128	15,356	29,410	1,915	1,453
37	53	94.016	37.706,569	750.607,322	19,907	19,444	87	103	66	7,686	14,054	1,828	1,366
38	54	93.606	36.626,437	712.900,753	19,464	19,002	88	104	32	3,633	6,368	1,753	1,290
39	55	93.151	35.559,753	676.274,316	19,018	18,556	89	105	15	1,623	2,735	1,685	1,222
40	56	92.656	34.507,798	640.714,563	18,567	18,105	90	106					
41	57	92.125	33.473,238	606.206,765	18,110	17,648	91	107					
42	58	91.539	32.449,306	572.733,527	17,650	17,188	92	108					
43	59	90.898	31.435,921	540.284,221	17,187	16,724	93	109					
44	60	90.212	30.437,739	508.848,300	16,718	16,255	94	110					
45	61	89.474	29.452,675	478.410,561	16,243	15,781	95	111					
46	62	88.697	28.484,699	448.957,886	15,761	15,299	96	112					
47	63	87.840	27.521,338	420.473,186	15,278	14,816	97						
48	64	86.915	26.567,507	392.951,848	14,791	14,328	98						
49	65	85.927	25.624,932	366.384,341	14,298		99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -17 Jahre

Zinsfuß 2,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	17	99.402	99.401,972	3.138.314,471	31,572	31,110	50	67	84.075	24.460,901	327.984,862	13,409	12,946
1	18	98.927	96.513,853	3.038.912,499	31,487	31,024	51	68	82.808	23.504,660	303.523,961	12,913	12,451
2	19	98.858	94.094,748	2.942.398,646	31,271	30,808	52	69	81.437	22.551,652	280.019,301	12,417	11,954
3	20	98.811	91.755,830	2.848.303,898	31,042	30,580	53	70	79.926	21.593,522	257.467,648	11,923	11,461
4	21	98.762	89.473,283	2.756.548,068	30,809	30,346	54	71	78.295	20.636,880	235.874,127	11,430	10,967
5	22	98.724	87.257,947	2.667.074,785	30,565	30,103	55	72	76.502	19.672,640	215.237,246	10,941	10,479
6	23	98.684	85.095,002	2.579.816,838	30,317	29,854	56	73	74.561	18.705,714	195.564,606	10,455	9,992
7	24	98.647	82.988,180	2.494.721,837	30,061	29,599	57	74	72.470	17.737,686	176.858,892	9,971	9,508
8	25	98.608	80.932,088	2.411.733,656	29,799	29,337	58	75	70.208	16.764,838	159.121,206	9,491	9,029
9	26	98.572	78.929,319	2.330.801,569	29,530	29,068	59	76	67.735	15.780,039	142.356,369	9,021	8,559
10	27	98.535	76.975,452	2.251.872,250	29,254	28,792	60	77	65.083	14.792,359	126.576,330	8,557	8,094
11	28	98.497	75.069,061	2.174.896,798	28,972	28,510	61	78	62.257	13.804,884	111.783,971	8,097	7,635
12	29	98.454	73.205,792	2.099.827,737	28,684	28,221	62	79	59.230	12.813,247	97.979,087	7,647	7,184
13	30	98.412	71.390,056	2.026.621,945	28,388	27,926	63	80	55.974	11.813,572	85.165,840	7,209	6,747
14	31	98.367	69.617,003	1.955.231,889	28,086	27,623	64	81	52.478	10.805,542	73.352,268	6,788	6,326
15	32	98.314	67.882,240	1.885.614,887	27,778	27,315	65	82	48.770	9.797,244	62.546,725	6,384	5,922
16	33	98.256	66.187,410	1.817.732,647	27,463	27,001	66	83	44.820	8.784,013	52.749,481	6,005	5,543
17	34	98.179	64.522,559	1.751.545,236	27,146	26,684	67	84	40.812	7.803,448	43.965,468	5,634	5,172
18	35	98.083	62.887,435	1.687.022,677	26,826	26,364	68	85	36.728	6.851,350	36.162,019	5,278	4,816
19	36	97.958	61.275,672	1.624.135,242	26,505	26,043	69	86	32.746	5.959,592	29.310,670	4,918	4,456
20	37	97.824	59.699,218	1.562.859,571	26,179	25,716	70	87	28.687	5.093,444	23.351,078	4,585	4,122
21	38	97.690	58.163,171	1.503.160,352	25,844	25,381	71	88	24.584	4.258,447	18.257,634	4,287	3,825
22	39	97.545	56.660,402	1.444.997,181	25,503	25,040	72	89	20.678	3.494,519	13.999,187	4,006	3,544
23	40	97.393	55.192,559	1.388.336,779	25,154	24,692	73	90	16.993	2.801,713	10.504,668	3,749	3,287
24	41	97.237	53.759,677	1.333.144,219	24,798	24,336	74	91	13.664	2.197,891	7.702,955	3,505	3,042
25	42	97.070	52.358,603	1.279.384,542	24,435	23,973	75	92	10.632	1.668,468	5.505,064	3,299	2,837
26	43	96.890	50.986,792	1.227.025,939	24,066	23,603	76	93	8.058	1.233,643	3.836,595	3,110	2,648
27	44	96.695	49.643,115	1.176.039,148	23,690	23,227	77	94	5.941	887,377	2.602,953	2,933	2,471
28	45	96.491	48.330,301	1.126.396,033	23,306	22,844	78	95	4.250	619,373	1.715,576	2,770	2,307
29	46	96.267	47.042,128	1.078.065,731	22,917	22,455	79	96	2.943	418,438	1.096,202	2,620	2,157
30	47	96.027	45.780,111	1.031.023,604	22,521	22,059	80	97	1.970	273,273	677,765	2,480	2,018
31	48	95.770	44.544,102	985.243,493	22,118	21,656	81	98	1.271	171,952	404,492	2,352	1,890
32	49	95.492	43.331,288	940.699,391	21,709	21,247	82	99	788	104,098	232,539	2,234	1,771
33	50	95.184	42.138,135	897.368,103	21,296	20,833	83	100	468	60,284	128,442	2,131	1,668
34	51	94.860	40.970,533	855.229,968	20,874	20,412	84	101	266	33,486	68,157	2,035	1,573
35	52	94.506	39.822,172	814.259,435	20,447	19,985	85	102	145	17,809	34,672	1,947	1,484
36	53	94.122	38.692,911	774.437,263	20,015	19,553	86	103	76	9,081	16,863	1,857	1,394
37	54	93.719	37.587,509	735.744,352	19,574	19,112	87	104	38	4,382	7,781	1,776	1,313
38	55	93.280	36.499,041	698.156,843	19,128	18,666	88	105	18	1,994	3,399	1,705	1,242
39	56	92.799	35.425,093	661.657,802	18,678	18,215	89						
40	57	92.284	34.369,259	626.232,709	18,221	17,758	90						
41	58	91.714	33.323,844	591.863,450	17,761	17,299	91						
42	59	91.099	32.293,043	558.539,606	17,296	16,834	92						
43	60	90.435	31.276,108	526.246,564	16,826	16,363	93						
44	61	89.715	30.270,202	494.970,456	16,352	15,889	94						
45	62	88.971	29.286,934	464.700,254	15,867	15,405	95						
46	63	88.139	28.305,448	435.413,320	15,383	14,920	96						
47	64	87.242	27.334,143	407.107,872	14,894	14,431	97						
48	65	86.280	26.373,223	379.773,729	14,400	13,938	98						
49	66	85.226	25.415,644	353.400,506	13,905	13,442	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -18 Jahre

Zinsfuß 2,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	18	99.380	99.380,101	3.121.070,489	31,405	30,943	50	68	83.220	24.212,256	314.823,584	13,003	12,540
1	19	98.898	96.486,096	3.021.690,388	31,317	30,855	51	69	81.861	23.235,824	290.611,328	12,507	12,045
2	20	98.831	94.068,665	2.925.204,292	31,096	30,634	52	70	80.398	22.263,934	267.375,504	12,009	11,547
3	21	98.780	91.726,848	2.831.135,627	30,865	30,402	53	71	78.790	21.286,601	245.111,570	11,515	11,052
4	22	98.738	89.451,391	2.739.408,779	30,625	30,162	54	72	77.025	20.302,310	223.824,968	11,025	10,562
5	23	98.698	87.234,323	2.649.957,388	30,377	29,915	55	73	75.123	19.317,960	203.522,659	10,535	10,073
6	24	98.658	85.072,800	2.562.723,065	30,124	29,661	56	74	73.042	18.324,635	184.204,699	10,052	9,590
7	25	98.620	82.965,634	2.477.650,265	29,864	29,401	57	75	70.820	17.333,946	165.880,064	9,570	9,107
8	26	98.584	80.912,173	2.394.684,631	29,596	29,134	58	76	68.387	16.330,167	148.546,119	9,096	8,634
9	27	98.544	78.907,222	2.313.772,458	29,323	28,860	59	77	65.775	15.323,233	132.215,952	8,628	8,166
10	28	98.506	76.953,019	2.234.865,236	29,042	28,580	60	78	62.966	14.311,126	116.892,719	8,168	7,706
11	29	98.468	75.046,779	2.157.912,217	28,754	28,292	61	79	59.950	13.293,246	102.581,593	7,717	7,254
12	30	98.425	73.184,364	2.082.865,438	28,461	27,998	62	80	56.738	12.274,243	89.288,347	7,274	6,812
13	31	98.380	71.366,681	2.009.681,074	28,160	27,698	63	81	53.247	11.238,082	77.014,104	6,853	6,391
14	32	98.332	69.592,135	1.938.314,393	27,852	27,390	64	82	49.552	10.203,200	65.776,022	6,447	5,984
15	33	98.279	67.858,103	1.868.722,258	27,539	27,076	65	83	45.619	9.164,106	55.572,822	6,064	5,602
16	34	98.216	66.160,963	1.800.864,156	27,219	26,757	66	84	41.608	8.154,569	46.408,717	5,691	5,229
17	35	98.133	64.492,309	1.734.703,192	26,898	26,435	67	85	37.532	7.176,351	38.254,148	5,331	4,868
18	36	98.033	62.855,239	1.670.210,883	26,572	26,110	68	86	33.539	6.256,484	31.077,796	4,967	4,505
19	37	97.903	61.241,023	1.607.355,643	26,246	25,784	69	87	29.445	5.358,779	24.821,312	4,632	4,169
20	38	97.764	59.662,610	1.546.114,620	25,914	25,452	70	88	25.305	4.493,041	19.462,534	4,332	3,869
21	39	97.621	58.122,485	1.486.452,011	25,574	25,112	71	89	21.350	3.698,346	14.969,493	4,048	3,585
22	40	97.467	56.615,059	1.428.329,525	25,229	24,766	72	90	17.613	2.976,545	11.271,147	3,787	3,324
23	41	97.309	55.144,543	1.371.714,466	24,875	24,412	73	91	14.215	2.343,739	8.294,602	3,539	3,077
24	42	97.140	53.706,536	1.316.569,923	24,514	24,052	74	92	11.103	1.786,007	5.950,863	3,332	2,870
25	43	96.961	52.299,717	1.262.863,387	24,147	23,684	75	93	8.448	1.325,782	4.164,856	3,141	2,679
26	44	96.764	50.920,610	1.210.563,670	23,774	23,311	76	94	6.253	957,318	2.839,074	2,966	2,503
27	45	96.560	49.574,011	1.159.643,060	23,392	22,930	77	95	4.496	671,620	1.881,756	2,802	2,339
28	46	96.338	48.253,649	1.110.069,049	23,005	22,542	78	96	3.133	456,617	1.210,137	2,650	2,188
29	47	96.094	46.957,641	1.061.815,400	22,612	22,150	79	97	2.111	300,089	753,520	2,511	2,049
30	48	95.840	45.691,085	1.014.857,759	22,211	21,749	80	98	1.373	190,402	453,431	2,381	1,919
31	49	95.567	44.449,671	969.166,675	21,804	21,341	81	99	859	116,245	263,030	2,263	1,800
32	50	95.262	43.227,002	924.717,003	21,392	20,930	82	100	517	68,192	146,785	2,153	1,690
33	51	94.943	42.031,667	881.490,002	20,972	20,510	83	101	297	38,217	78,593	2,057	1,594
34	52	94.597	40.856,748	839.458,335	20,546	20,084	84	102	163	20,517	40,376	1,968	1,506
35	53	94.220	39.701,781	798.601,586	20,115	19,653	85	103	86	10,532	19,860	1,886	1,423
36	54	93.825	38.570,737	758.899,805	19,676	19,213	86	104	43	5,177	9,327	1,802	1,339
37	55	93.393	37.456,770	720.329,068	19,231	18,769	87	105	21	2,405	4,150	1,725	1,263
38	56	92.927	36.360,824	682.872,298	18,780	18,318	88	106					
39	57	92.426	35.282,871	646.511,474	18,324	17,861	89	107					
40	58	91.872	34.215,866	611.228,603	17,864	17,401	90	108					
41	59	91.272	33.163,369	577.012,736	17,399	16,937	91	109					
42	60	90.635	32.128,872	543.849,368	16,927	16,465	92	110					
43	61	89.938	31.103,956	511.720,496	16,452	15,990	93	111					
44	62	89.210	30.099,861	480.616,540	15,967	15,505	94	112					
45	63	88.411	29.102,635	450.516,679	15,480	15,018	95						
46	64	87.539	28.112,919	421.414,044	14,990	14,528	96						
47	65	86.604	27.134,253	393.301,125	14,495	14,032	97						
48	66	85.575	26.157,823	366.166,872	13,998	13,536	98						
49	67	84.454	25.185,465	340.009,049	13,500		99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -19 Jahre

Zinsfuß 2,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	19	99.352	99.351,520	3.103.124,925	31,234	30,771	50	69	82.268	23.935,327	301.303,537	12,588	12,126
1	20	98.871	96.459,350	3.003.773,405	31,140	30,678	51	70	80.816	22.939,377	277.368,210	12,091	11,629
2	21	98.800	94.038,952	2.907.314,055	30,916	30,454	52	71	79.255	21.947,485	254.428,833	11,593	11,130
3	22	98.756	91.704,405	2.813.275,102	30,678	30,215	53	72	77.513	20.941,497	232.481,348	11,101	10,639
4	23	98.711	89.427,173	2.721.570,697	30,433	29,971	54	73	75.637	19.936,277	211.539,851	10,611	10,148
5	24	98.672	87.211,563	2.632.143,524	30,181	29,719	55	74	73.593	18.924,407	191.603,574	10,125	9,662
6	25	98.632	85.049,688	2.544.931,961	29,923	29,460	56	75	71.379	17.907,534	172.679,166	9,643	9,180
7	26	98.596	82.945,219	2.459.882,274	29,657	29,194	57	76	68.984	16.884,519	154.771,632	9,166	8,704
8	27	98.556	80.889,521	2.376.937,055	29,385	28,923	58	77	66.408	15.857,436	137.887,112	8,695	8,233
9	28	98.516	78.884,226	2.296.047,534	29,107	28,644	59	78	63.635	14.824,729	122.029,677	8,231	7,769
10	29	98.477	76.930,177	2.217.163,308	28,820	28,358	60	79	60.632	13.780,726	107.204,947	7,779	7,317
11	30	98.439	75.024,812	2.140.233,130	28,527	28,065	61	80	57.428	12.734,051	93.424,222	7,337	6,874
12	31	98.393	73.160,402	2.065.208,318	28,228	27,766	62	81	53.974	11.676,311	80.690,171	6,911	6,448
13	32	98.345	71.341,188	1.992.047,916	27,923	27,460	63	82	50.279	10.611,627	69.013,860	6,504	6,041
14	33	98.297	69.567,390	1.920.706,728	27,609	27,147	64	83	46.350	9.543,827	58.402,233	6,119	5,657
15	34	98.239	67.830,988	1.851.139,338	27,290	26,828	65	84	42.350	8.507,425	48.858,406	5,743	5,281
16	35	98.170	66.129,946	1.783.308,350	26,967	26,504	66	85	38.264	7.499,255	40.350,981	5,381	4,918
17	36	98.082	64.459,292	1.717.178,404	26,640	26,177	67	86	34.273	6.553,267	32.851,726	5,013	4,551
18	37	97.977	62.819,697	1.652.719,112	26,309	25,847	68	87	30.158	5.625,740	26.298,459	4,675	4,212
19	38	97.843	61.203,469	1.589.899,414	25,977	25,515	69	88	25.974	4.727,098	20.672,719	4,373	3,911
20	39	97.696	59.620,875	1.528.695,946	25,640	25,178	70	89	21.977	3.902,085	15.945,620	4,086	3,624
21	40	97.543	58.075,972	1.469.075,071	25,296	24,833	71	90	18.186	3.150,159	12.043,535	3,823	3,361
22	41	97.382	56.565,805	1.410.999,099	24,944	24,482	72	91	14.734	2.489,993	8.893,376	3,572	3,109
23	42	97.212	55.090,033	1.354.433,294	24,586	24,123	73	92	11.551	1.904,523	6.403,383	3,362	2,900
24	43	97.031	53.646,134	1.299.343,260	24,221	23,758	74	93	8.823	1.419,179	4.498,860	3,170	2,708
25	44	96.835	52.231,831	1.245.697,126	23,849	23,387	75	94	6.556	1.028,819	3.079,682	2,993	2,531
26	45	96.629	50.849,728	1.193.465,296	23,470	23,008	76	95	4.732	724,555	2.050,863	2,831	2,368
27	46	96.407	49.495,387	1.142.615,568	23,085	22,623	77	96	3.315	495,134	1.326,308	2,679	2,216
28	47	96.165	48.166,986	1.093.120,181	22,694	22,232	78	97	2.247	327,469	831,174	2,538	2,076
29	48	95.908	46.866,325	1.044.953,195	22,296	21,834	79	98	1.471	209,085	503,705	2,409	1,947
30	49	95.637	45.594,222	998.086,870	21,891	21,428	80	99	928	128,717	294,619	2,289	1,826
31	50	95.337	44.342,693	952.492,648	21,480	21,018	81	100	563	76,149	165,903	2,179	1,716
32	51	95.021	43.117,783	908.149,954	21,062	20,600	82	101	327	43,230	89,754	2,076	1,614
33	52	94.680	41.914,935	865.032,171	20,638	20,175	83	102	182	23,416	46,524	1,987	1,524
34	53	94.311	40.733,230	823.117,236	20,208	19,745	84	103	97	12,134	23,108	1,904	1,442
35	54	93.923	39.576,421	782.384,006	19,769	19,307	85	104	49	6,005	10,975	1,828	1,365
36	55	93.498	38.436,578	742.807,585	19,326	18,863	86	105	24	2,842	4,970	1,749	1,287
37	56	93.039	37.314,927	704.371,007	18,876	18,414	87	106					
38	57	92.554	36.214,846	667.056,080	18,419	17,957	88	107					
39	58	92.014	35.125,401	630.841,234	17,960	17,497	89	108					
40	59	91.429	34.051,095	595.715,833	17,495	17,032	90	109					
41	60	90.808	32.994,773	561.664,738	17,023	16,560	91	110					
42	61	90.137	31.952,026	528.669,965	16,546	16,083	92	111					
43	62	89.432	30.928,923	496.717,939	16,060	15,598	93	112					
44	63	88.649	29.910,446	465.789,016	15,573	15,110	94						
45	64	87.810	28.904,683	435.878,570	15,080	14,617	95						
46	65	86.899	27.907,334	406.973,886	14,583	14,121	96						
47	66	85.897	26.912,638	379.066,552	14,085	13,623	97						
48	67	84.800	25.920,923	352.153,914	13,586	13,123	98						
49	68	83.595	24.929,455	326.232,992	13,086	12,624	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -20 Jahre

Zinsfuß 2,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	20	99.324	99.323,980	3.084.478,602	31,055	30,592	50	70	81.219	23.629,956	287.456,972	12,165	11,703
1	21	98.840	96.428,882	2.985.154,622	30,957	30,495	51	71	79.668	22.613,327	263.827,016	11,667	11,204
2	22	98.776	94.015,944	2.888.725,740	30,726	30,263	52	72	77.970	21.591,667	241.213,689	11,172	10,709
3	23	98.729	91.679,577	2.794.709,796	30,483	30,021	53	73	76.115	20.563,941	219.622,022	10,680	10,218
4	24	98.685	89.403,841	2.703.030,219	30,234	29,772	54	74	74.096	19.530,128	199.058,082	10,192	9,730
5	25	98.645	87.187,869	2.613.626,378	29,977	29,515	55	75	71.918	18.493,655	179.527,954	9,708	9,245
6	26	98.607	85.028,760	2.526.438,509	29,713	29,250	56	76	69.529	17.443,236	161.034,298	9,232	8,769
7	27	98.568	82.921,998	2.441.409,749	29,442	28,980	57	77	66.987	16.395,741	143.591,062	8,758	8,295
8	28	98.527	80.865,947	2.358.487,751	29,165	28,703	58	78	64.247	15.341,553	127.195,321	8,291	7,828
9	29	98.486	78.860,812	2.277.621,804	28,882	28,419	59	79	61.276	14.275,294	111.853,768	7,835	7,373
10	30	98.448	76.907,659	2.198.760,992	28,590	28,127	60	80	58.082	13.201,023	97.578,474	7,392	6,929
11	31	98.407	75.000,248	2.121.853,333	28,291	27,829	61	81	54.630	12.113,719	84.377,451	6,965	6,503
12	32	98.357	73.134,269	2.046.853,086	27,988	27,525	62	82	50.965	11.025,428	72.263,731	6,554	6,092
13	33	98.310	71.315,821	1.973.718,817	27,676	27,213	63	83	47.030	9.925,860	61.238,303	6,170	5,707
14	34	98.258	69.539,592	1.902.402,996	27,357	26,895	64	84	43.029	8.859,936	51.312,443	5,792	5,329
15	35	98.193	67.799,188	1.832.863,404	27,034	26,571	65	85	38.946	7.823,755	42.452,507	5,426	4,964
16	36	98.120	66.096,090	1.765.064,216	26,705	26,242	66	86	34.942	6.848,135	34.628,752	5,057	4,594
17	37	98.027	64.422,843	1.698.968,126	26,372	25,910	67	87	30.818	5.892,604	27.780,617	4,714	4,252
18	38	97.917	62.781,175	1.634.545,283	26,036	25,573	68	88	26.603	4.962,591	21.888,013	4,411	3,948
19	39	97.774	61.160,656	1.571.764,107	25,699	25,237	69	89	22.558	4.105,357	16.925,422	4,123	3,660
20	40	97.618	59.573,163	1.510.603,451	25,357	24,895	70	90	18.719	3.323,699	12.820,065	3,857	3,395
21	41	97.458	58.025,447	1.451.030,289	25,007	24,544	71	91	15.213	2.635,228	9.496,366	3,604	3,141
22	42	97.286	56.509,890	1.393.004,841	24,651	24,188	72	92	11.973	2.023,369	6.861,138	3,391	2,929
23	43	97.103	55.028,075	1.336.494,951	24,288	23,825	73	93	9.179	1.513,353	4.837,769	3,197	2,734
24	44	96.905	53.576,500	1.281.466,876	23,918	23,456	74	94	6.847	1.101,296	3.324,417	3,019	2,556
25	45	96.700	52.159,124	1.227.890,376	23,541	23,079	75	95	4.962	778,671	2.223,121	2,855	2,393
26	46	96.476	50.769,080	1.175.731,252	23,158	22,696	76	96	3.489	534,159	1.444,450	2,704	2,242
27	47	96.234	49.406,494	1.124.962,172	22,770	22,307	77	97	2.377	355,092	910,291	2,564	2,101
28	48	95.978	48.073,319	1.075.555,679	22,373	21,911	78	98	1.566	228,163	555,198	2,433	1,971
29	49	95.704	46.766,971	1.027.482,360	21,970	21,508	79	99	994	141,347	327,036	2,314	1,851
30	50	95.407	45.484,490	980.715,389	21,562	21,099	80	100	608	84,319	185,688	2,202	1,740
31	51	95.096	44.230,656	935.230,899	21,144	20,682	81	101	357	48,274	101,369	2,100	1,637
32	52	94.757	42.998,035	891.000,243	20,722	20,259	82	102	201	26,487	53,095	2,005	1,542
33	53	94.393	41.788,218	848.002,209	20,293	19,830	83	103	108	13,848	26,608	1,921	1,459
34	54	94.013	40.604,613	806.213,991	19,855	19,393	84	104	55	6,917	12,760	1,845	1,382
35	55	93.596	39.438,765	765.609,378	19,413	18,950	85	105	27	3,296	5,842	1,773	1,310
36	56	93.144	38.291,024	726.170,613	18,965	18,502	86	106					
37	57	92.666	37.165,118	687.879,589	18,509	18,046	87	107					
38	58	92.141	36.053,216	650.714,471	18,049	17,586	88	108					
39	59	91.570	34.956,250	614.661,255	17,584	17,121	89	109					
40	60	90.965	33.877,987	579.705,005	17,112	16,649	90	110					
41	61	90.308	32.813,162	545.827,019	16,634	16,172	91	111					
42	62	89.629	31.772,221	513.013,857	16,147	15,684	92	112					
43	63	88.869	30.734,291	481.241,636	15,658	15,196	93						
44	64	88.046	29.707,000	450.507,345	15,165	14,703	94						
45	65	87.167	28.693,309	420.800,345	14,665	14,203	95						
46	66	86.190	27.679,405	392.107,037	14,166	13,704	96						
47	67	85.119	26.668,901	364.427,632	13,665	13,202	97						
48	68	83.938	25.657,437	337.758,731	13,164	12,702	98						
49	69	82.639	24.644,322	312.101,294	12,664	12,202	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -21 Jahre

Zinsfuß 2,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	21	99.293	99.292,607	3.065.124,540	30,870	30,407	50	71	80.064	23.294,091	273.317,332	11,733	11,271
1	22	98.815	96.405,289	2.965.831,932	30,764	30,302	51	72	78.376	22.246,714	250.023,241	11,239	10,776
2	23	98.749	93.990,490	2.869.426,643	30,529	30,066	52	73	76.564	21.202,388	227.776,527	10,743	10,281
3	24	98.703	91.655,657	2.775.436,153	30,281	29,819	53	74	74.565	20.145,005	206.574,139	10,254	9,792
4	25	98.658	89.379,552	2.683.780,496	30,027	29,564	54	75	72.409	19.085,589	186.429,134	9,768	9,306
5	26	98.621	87.166,415	2.594.400,944	29,764	29,301	55	76	70.053	18.014,161	167.343,545	9,290	8,827
6	27	98.580	85.004,955	2.507.234,529	29,495	29,033	56	77	67.516	16.938,284	149.329,385	8,816	8,354
7	28	98.539	82.897,832	2.422.229,574	29,219	28,757	57	78	64.808	15.862,346	132.391,101	8,346	7,884
8	29	98.498	80.841,944	2.339.331,742	28,937	28,475	58	79	61.866	14.772,963	116.528,755	7,888	7,426
9	30	98.458	78.837,728	2.258.489,798	28,647	28,185	59	80	58.699	13.674,787	101.755,792	7,441	6,979
10	31	98.416	76.882,478	2.179.652,069	28,350	27,888	60	81	55.252	12.557,944	88.081,005	7,014	6,552
11	32	98.372	74.973,457	2.102.769,591	28,047	27,584	61	82	51.585	11.438,454	75.523,061	6,603	6,140
12	33	98.322	73.108,264	2.027.796,134	27,737	27,274	62	83	47.672	10.312,919	64.084,608	6,214	5,752
13	34	98.270	71.287,325	1.954.687,870	27,420	26,957	63	84	43.660	9.214,594	53.771,688	5,835	5,373
14	35	98.212	69.506,991	1.883.400,545	27,097	26,634	64	85	39.571	8.147,938	44.557,095	5,469	5,006
15	36	98.143	67.764,477	1.813.893,554	26,768	26,305	65	86	35.565	7.144,461	36.409,157	5,096	4,634
16	37	98.065	66.058,716	1.746.129,077	26,433	25,971	66	87	31.419	6.157,745	29.264,696	4,753	4,290
17	38	97.967	64.383,338	1.680.070,361	26,095	25,632	67	88	27.185	5.197,997	23.106,952	4,445	3,983
18	39	97.849	62.737,259	1.615.687,024	25,753	25,291	68	89	23.104	4.309,876	17.908,954	4,155	3,693
19	40	97.696	61.111,712	1.552.949,765	25,412	24,949	69	90	19.214	3.496,842	13.599,078	3,889	3,427
20	41	97.533	59.521,335	1.491.838,053	25,064	24,602	70	91	15.660	2.780,401	10.102,237	3,633	3,171
21	42	97.362	57.968,090	1.432.316,718	24,709	24,246	71	92	12.362	2.141,386	7.321,836	3,419	2,957
22	43	97.176	56.446,335	1.374.348,628	24,348	23,885	72	93	9.514	1.607,789	5.180,450	3,222	2,760
23	44	96.977	54.956,647	1.317.902,293	23,981	23,518	73	94	7.123	1.174,376	3.572,661	3,042	2,580
24	45	96.770	53.501,922	1.262.945,646	23,606	23,143	74	95	5.182	833,526	2.398,285	2,877	2,415
25	46	96.547	52.076,399	1.209.443,724	23,224	22,762	75	96	3.658	574,055	1.564,759	2,726	2,263
26	47	96.303	50.677,899	1.157.367,325	22,838	22,375	76	97	2.502	383,080	990,704	2,586	2,124
27	48	96.047	49.310,416	1.106.689,426	22,443	21,981	77	98	1.656	247,409	607,624	2,456	1,994
28	49	95.775	47.971,406	1.057.379,010	22,042	21,579	78	99	1.058	154,244	360,216	2,335	1,873
29	50	95.474	46.654,416	1.009.407,604	21,636	21,173	79	100	651	92,593	205,971	2,224	1,762
30	51	95.166	45.369,567	962.753,188	21,220	20,758	80	101	385	53,454	113,378	2,121	1,659
31	52	94.832	44.107,817	917.383,620	20,799	20,336	81	102	219	29,578	59,925	2,026	1,564
32	53	94.471	42.868,043	873.275,804	20,371	19,909	82	103	119	15,665	30,347	1,937	1,475
33	54	94.095	41.656,269	830.407,761	19,935	19,472	83	104	61	7,895	14,682	1,860	1,397
34	55	93.686	40.463,380	788.751,492	19,493	19,031	84	105	30	3,797	6,787	1,788	1,325
35	56	93.242	39.289,416	748.288,111	19,046	18,583	85	106					
36	57	92.770	38.137,297	708.998,695	18,591	18,128	86	107					
37	58	92.252	36.999,246	670.861,399	18,132	17,669	87	108					
38	59	91.697	35.879,597	633.862,152	17,666	17,204	88	109					
39	60	91.105	34.778,540	597.982,555	17,194	16,732	89	110					
40	61	90.464	33.691,514	563.204,016	16,716	16,254	90	111					
41	62	89.800	32.628,510	529.512,502	16,229	15,766	91	112					
42	63	89.065	31.572,282	496.883,991	15,738	15,276	92						
43	64	88.264	30.525,241	465.311,709	15,244	14,781	93						
44	65	87.402	29.489,758	434.786,468	14,744	14,281	94						
45	66	86.456	28.458,960	405.296,711	14,241	13,779	95						
46	67	85.409	27.428,724	376.837,751	13,739	13,276	96						
47	68	84.254	26.397,812	349.409,027	13,236	12,774	97						
48	69	82.978	25.363,978	323.011,215	12,735	12,273	98						
49	70	81.585	24.329,906	297.647,237	12,234	11,771	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -22 Jahre

Zinsfuß 2,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	22	99.268	99.268,313	3.045.060,640	30,675	30,213	50	72	78.766	22.916,440	258.921,102	11,298	10,836
1	23	98.789	96.379,188	2.945.792,326	30,565	30,102	51	73	76.963	21.845,626	236.004,661	10,803	10,341
2	24	98.723	93.965,967	2.849.413,138	30,324	29,861	52	74	75.004	20.770,445	214.159,036	10,311	9,848
3	25	98.676	91.630,757	2.755.447,171	30,071	29,609	53	75	72.867	19.686,470	193.388,590	9,823	9,361
4	26	98.634	89.357,559	2.663.816,415	29,811	29,348	54	76	70.532	18.590,747	173.702,120	9,343	8,881
5	27	98.593	87.142,012	2.574.458,856	29,543	29,081	55	77	68.025	17.492,680	155.111,374	8,867	8,405
6	28	98.551	84.980,182	2.487.316,844	29,269	28,807	56	78	65.319	16.387,239	137.618,693	8,398	7,935
7	29	98.510	82.873,226	2.402.336,662	28,988	28,526	57	79	62.406	15.274,454	121.231,455	7,937	7,474
8	30	98.469	80.818,281	2.319.463,436	28,700	28,237	58	80	59.264	14.151,521	105.957,001	7,487	7,025
9	31	98.425	78.811,916	2.238.645,155	28,405	27,942	59	81	55.839	13.008,629	91.805,479	7,057	6,595
10	32	98.381	76.855,015	2.159.833,239	28,103	27,640	60	82	52.172	11.857,915	78.796,851	6,645	6,183
11	33	98.337	74.946,798	2.082.978,224	27,793	27,330	61	83	48.251	10.699,254	66.938,936	6,256	5,794
12	34	98.283	73.079,052	2.008.031,426	27,478	27,015	62	84	44.256	9.573,917	56.239,682	5,874	5,412
13	35	98.224	71.253,904	1.934.952,374	27,156	26,693	63	85	40.151	8.474,095	46.665,765	5,507	5,044
14	36	98.161	69.471,406	1.863.698,470	26,827	26,364	64	86	36.135	7.440,496	38.191,670	5,133	4,671
15	37	98.088	67.726,159	1.794.227,064	26,492	26,030	65	87	31.979	6.424,196	30.751,174	4,787	4,324
16	38	98.004	66.018,207	1.726.500,905	26,152	25,689	66	88	27.716	5.431,884	24.326,978	4,479	4,016
17	39	97.898	64.338,301	1.660.482,697	25,809	25,346	67	89	23.610	4.514,320	18.895,094	4,186	3,723
18	40	97.770	62.687,053	1.596.144,397	25,462	25,000	68	90	19.679	3.671,045	14.380,774	3,917	3,455
19	41	97.611	61.058,546	1.533.457,344	25,115	24,652	69	91	16.073	2.925,241	10.709,729	3,661	3,199
20	42	97.436	59.462,499	1.472.398,798	24,762	24,299	70	92	12.725	2.259,354	7.784,488	3,445	2,983
21	43	97.253	57.902,895	1.412.936,299	24,402	23,939	71	93	9.823	1.701,567	5.525,134	3,247	2,785
22	44	97.050	56.373,067	1.355.033,405	24,037	23,574	72	94	7.383	1.247,659	3.823,567	3,065	2,602
23	45	96.842	54.880,147	1.298.660,338	23,664	23,201	73	95	5.391	888,837	2.575,908	2,898	2,436
24	46	96.617	53.417,067	1.243.780,191	23,284	22,822	74	96	3.820	614,495	1.687,070	2,745	2,283
25	47	96.373	51.982,870	1.190.363,124	22,899	22,437	75	97	2.623	411,692	1.072,575	2,605	2,143
26	48	96.116	50.579,349	1.138.380,253	22,507	22,044	76	98	1.743	266,909	660,884	2,476	2,014
27	49	95.843	49.205,881	1.087.800,904	22,107	21,645	77	99	1.120	167,255	393,975	2,356	1,893
28	50	95.544	47.855,952	1.038.595,023	21,703	21,240	78	100	693	101,041	226,720	2,244	1,781
29	51	95.233	46.536,538	990.739,071	21,289	20,827	79	101	413	58,699	125,678	2,141	1,679
30	52	94.901	45.243,565	944.202,533	20,869	20,407	80	102	236	32,751	66,979	2,045	1,583
31	53	94.545	43.974,470	898.958,968	20,443	19,980	81	103	129	17,492	34,228	1,957	1,494
32	54	94.172	42.732,685	854.984,499	20,008	19,545	82	104	68	8,930	16,735	1,874	1,412
33	55	93.768	41.511,379	812.251,813	19,567	19,105	83	105	34	4,333	7,805	1,801	1,339
34	56	93.331	40.310,151	770.740,435	19,120	18,658	84	106					
35	57	92.868	39.131,680	730.430,283	18,666	18,204	85	107					
36	58	92.356	37.967,087	691.298,603	18,208	17,745	86	108					
37	59	91.808	36.821,072	653.331,517	17,743	17,281	87	109					
38	60	91.231	35.697,193	616.510,445	17,271	16,808	88	110					
39	61	90.604	34.587,110	580.813,252	16,793	16,330	89	111					
40	62	89.955	33.501,920	546.226,142	16,304	15,842	90	112					
41	63	89.235	32.423,183	512.724,222	15,814	15,351	91						
42	64	88.459	31.357,532	480.301,040	15,317	14,855	92						
43	65	87.619	30.302,015	448.943,507	14,816	14,353	93						
44	66	86.688	29.248,904	418.641,492	14,313	13,851	94						
45	67	85.673	28.201,219	389.392,588	13,808	13,345	95						
46	68	84.541	27.149,911	361.191,369	13,304	12,841	96						
47	69	83.290	26.095,885	334.041,458	12,801	12,338	97						
48	70	81.919	25.040,380	307.945,573	12,298	11,836	98						
49	71	80.425	23.984,092	282.905,193	11,796	11,333	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -23 Jahre

Zinsfuß 2,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	23	99.241	99.241,437	3.024.273,438	30,474	30,011	50	73	77.346	22.503,277	244.317,300	10,857	10,395
1	24	98.763	96.354,042	2.925.032,000	30,357	29,895	51	74	75.395	21.400,579	221.814,022	10,365	9,902
2	25	98.696	93.940,439	2.828.677,958	30,111	29,649	52	75	73.297	20.297,675	200.413,444	9,874	9,411
3	26	98.652	91.608,209	2.734.737,519	29,853	29,390	53	76	70.978	19.176,048	180.115,769	9,393	8,930
4	27	98.606	89.332,542	2.643.129,310	29,588	29,125	54	77	68.490	18.052,575	160.939,721	8,915	8,453
5	28	98.564	87.116,616	2.553.796,768	29,315	28,852	55	78	65.812	16.923,600	142.887,146	8,443	7,981
6	29	98.522	84.954,958	2.466.680,151	29,035	28,573	56	79	62.899	15.779,893	125.963,546	7,983	7,520
7	30	98.481	82.848,968	2.381.725,193	28,748	28,285	57	80	59.781	14.631,916	110.183,653	7,530	7,068
8	31	98.437	80.791,820	2.298.876,225	28,454	27,992	58	81	56.377	13.462,139	95.551,737	7,098	6,635
9	32	98.390	78.783,763	2.218.084,405	28,154	27,692	59	82	52.727	12.283,477	82.089,598	6,683	6,221
10	33	98.346	76.827,687	2.139.300,642	27,845	27,383	60	83	48.801	11.091,608	69.806,121	6,294	5,831
11	34	98.297	74.916,851	2.062.472,955	27,530	27,068	61	84	44.794	9.932,567	58.714,513	5,911	5,449
12	35	98.237	73.044,791	1.987.556,104	27,210	26,748	62	85	40.699	8.804,542	48.781,946	5,541	5,078
13	36	98.174	71.217,425	1.914.511,313	26,883	26,420	63	86	36.665	7.738,335	39.977,403	5,166	4,704
14	37	98.106	69.432,123	1.843.293,888	26,548	26,086	64	87	32.492	6.690,387	32.239,068	4,819	4,356
15	38	98.028	67.684,628	1.773.861,765	26,208	25,745	65	88	28.210	5.666,927	25.548,682	4,508	4,046
16	39	97.936	65.972,027	1.706.177,136	25,862	25,400	66	89	24.070	4.717,444	19.881,755	4,215	3,752
17	40	97.820	64.286,813	1.640.205,110	25,514	25,051	67	90	20.110	3.845,186	15.164,310	3,944	3,481
18	41	97.685	62.632,516	1.575.918,297	25,161	24,699	68	91	16.463	3.070,969	11.319,125	3,686	3,223
19	42	97.515	60.998,190	1.513.285,780	24,809	24,346	69	92	13.061	2.377,051	8.248,155	3,470	3,007
20	43	97.327	59.395,623	1.452.287,590	24,451	23,989	70	93	10.111	1.795,305	5.871,104	3,270	2,808
21	44	97.126	57.827,736	1.392.891,967	24,087	23,624	71	94	7.623	1.320,432	4.075,799	3,087	2,624
22	45	96.915	56.294,595	1.335.064,232	23,716	23,253	72	95	5.588	944,302	2.755,368	2,918	2,455
23	46	96.689	54.793,107	1.278.769,637	23,338	22,876	73	96	3.974	655,272	1.811,065	2,764	2,301
24	47	96.443	53.321,131	1.223.976,530	22,955	22,492	74	97	2.740	440,694	1.155,793	2,623	2,160
25	48	96.186	51.881,782	1.170.655,399	22,564	22,101	75	98	1.828	286,844	715,099	2,493	2,031
26	49	95.912	50.472,124	1.118.773,616	22,166	21,704	76	99	1.179	180,438	428,255	2,373	1,911
27	50	95.613	49.087,456	1.068.301,493	21,763	21,301	77	100	734	109,565	247,817	2,262	1,799
28	51	95.303	47.735,038	1.019.214,037	21,351	20,889	78	101	440	64,055	138,253	2,158	1,696
29	52	94.968	46.407,295	971.478,998	20,934	20,471	79	102	253	35,965	74,198	2,063	1,601
30	53	94.615	45.106,784	925.071,704	20,508	20,046	80	103	140	19,369	38,233	1,974	1,511
31	54	94.247	43.835,618	879.964,919	20,074	19,612	81	104	74	9,972	18,863	1,892	1,429
32	55	93.845	42.584,051	836.129,301	19,635	19,172	82	105	37	4,901	8,891	1,814	1,352
33	56	93.413	41.354,181	793.545,251	19,189	18,727	83	106					
34	57	92.956	40.148,317	752.191,069	18,735	18,273	84	107					
35	58	92.453	38.957,032	712.042,752	18,278	17,815	85	108					
36	59	91.912	37.784,251	673.085,720	17,814	17,352	86	109					
37	60	91.341	36.633,881	635.301,469	17,342	16,879	87	110					
38	61	90.729	35.500,706	598.667,588	16,864	16,401	88	111					
39	62	90.094	34.392,476	563.166,881	16,375	15,912	89	112					
40	63	89.389	33.291,096	528.774,405	15,883	15,421	90						
41	64	88.628	32.202,645	495.483,309	15,386	14,924	91						
42	65	87.813	31.128,220	463.280,664	14,883	14,421	92						
43	66	86.903	30.054,527	432.152,443	14,379	13,917	93						
44	67	85.903	28.984,009	402.097,916	13,873	13,411	94						
45	68	84.802	27.914,554	373.113,907	13,366	12,904	95						
46	69	83.574	26.839,382	345.199,353	12,862	12,399	96						
47	70	82.228	25.762,949	318.359,971	12,357	11,895	97						
48	71	80.755	24.684,468	292.597,022	11,853	11,391	98						
49	72	79.121	23.595,255	267.912,555	11,355	10,892	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -24 Jahre

Zinsfuß 2,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	24	99.216	99.215,545	3.002.758,881	30,265	29,803	50	74	75.770	22.044,833	229.549,670	10,413	9,950
1	25	98.736	96.327,865	2.903.543,337	30,142	29,680	51	75	73.679	20.913,465	207.504,837	9,922	9,460
2	26	98.672	93.917,323	2.807.215,472	29,890	29,428	52	76	71.397	19.771,406	186.591,372	9,437	8,975
3	27	98.624	91.582,563	2.713.298,149	29,627	29,164	53	77	68.923	18.620,933	166.819,966	8,959	8,496
4	28	98.578	89.306,508	2.621.715,586	29,356	28,894	54	78	66.262	17.465,280	148.199,033	8,485	8,023
5	29	98.535	87.090,758	2.532.409,078	29,078	28,615	55	79	63.373	16.296,375	130.733,753	8,022	7,560
6	30	98.493	84.930,091	2.445.318,320	28,792	28,330	56	80	60.253	15.116,094	114.437,378	7,571	7,108
7	31	98.449	82.821,842	2.360.388,229	28,500	28,037	57	81	56.869	13.919,132	99.321,284	7,136	6,673
8	32	98.402	80.762,960	2.277.566,387	28,201	27,738	58	82	53.234	12.711,707	85.402,152	6,718	6,256
9	33	98.355	78.755,750	2.196.803,426	27,894	27,431	59	83	49.319	11.489,668	72.690,445	6,327	5,864
10	34	98.307	76.796,989	2.118.047,677	27,580	27,117	60	84	45.304	10.296,806	61.200,777	5,944	5,481
11	35	98.251	74.881,729	2.041.250,688	27,260	26,797	61	85	41.194	9.134,371	50.903,971	5,573	5,110
12	36	98.187	73.007,395	1.966.368,959	26,934	26,471	62	86	37.166	8.040,091	41.769,600	5,195	4,733
13	37	98.118	71.177,155	1.893.361,564	26,601	26,138	63	87	32.969	6.958,199	33.729,509	4,847	4,385
14	38	98.046	69.389,546	1.822.184,410	26,260	25,798	64	88	28.662	5.901,740	26.771,310	4,536	4,074
15	39	97.959	67.637,282	1.752.794,864	25,915	25,452	65	89	24.499	4.921,573	20.869,570	4,240	3,778
16	40	97.857	65.919,232	1.685.157,582	25,564	25,102	66	90	20.503	4.018,202	15.947,997	3,969	3,507
17	41	97.735	64.230,885	1.619.238,350	25,210	24,747	67	91	16.823	3.216,644	11.929,795	3,709	3,246
18	42	97.589	62.570,605	1.555.007,465	24,852	24,390	68	92	13.378	2.495,470	8.713,151	3,492	3,029
19	43	97.405	60.929,587	1.492.436,860	24,494	24,032	69	93	10.379	1.888,829	6.217,681	3,292	2,829
20	44	97.200	59.318,527	1.431.507,273	24,133	23,670	70	94	7.846	1.393,173	4.328,853	3,107	2,645
21	45	96.991	57.747,239	1.372.188,747	23,762	23,300	71	95	5.769	999,381	2.935,679	2,937	2,475
22	46	96.761	56.205,311	1.314.441,508	23,386	22,924	72	96	4.119	696,162	1.936,298	2,781	2,319
23	47	96.515	54.694,700	1.258.236,197	23,005	22,542	73	97	2.850	469,938	1.240,136	2,639	2,177
24	48	96.256	53.217,440	1.203.541,497	22,616	22,153	74	98	1.909	307,051	770,199	2,508	2,046
25	49	95.982	51.771,796	1.150.324,057	22,219	21,757	75	99	1.236	193,915	463,147	2,388	1,926
26	50	95.681	50.350,652	1.098.552,261	21,818	21,356	76	100	772	118,200	269,233	2,278	1,815
27	51	95.371	48.963,430	1.048.201,609	21,408	20,945	77	101	465	69,458	151,032	2,174	1,712
28	52	95.038	47.602,466	999.238,179	20,991	20,529	78	102	269	39,247	81,574	2,079	1,616
29	53	94.681	46.266,996	951.635,713	20,568	20,106	79	103	150	21,270	42,328	1,990	1,528
30	54	94.316	44.964,358	905.368,717	20,135	19,673	80	104	80	11,042	21,058	1,907	1,445
31	55	93.919	43.683,147	860.404,359	19,696	19,234	81	105	40	5,473	10,015	1,830	1,367
32	56	93.490	42.422,791	816.721,212	19,252	18,790	82	106					
33	57	93.038	41.188,156	774.298,421	18,799	18,337	83	107					
34	58	92.541	39.969,132	733.110,265	18,342	17,879	84	108					
35	59	92.008	38.769,429	693.141,133	17,879	17,416	85	109					
36	60	91.444	37.592,164	654.371,704	17,407	16,945	86	110					
37	61	90.838	36.432,239	616.779,540	16,929	16,467	87	111					
38	62	90.218	35.300,931	580.347,301	16,440	15,978	88	112					
39	63	89.527	34.176,048	545.046,369	15,948	15,486	89						
40	64	88.781	33.064,655	510.870,321	15,451	14,988	90						
41	65	87.980	31.967,153	477.805,666	14,947	14,484	91						
42	66	87.095	30.873,985	445.838,513	14,441	13,978	92						
43	67	86.116	29.782,336	414.964,528	13,933	13,471	93						
44	68	85.030	28.689,387	385.182,192	13,426	12,964	94						
45	69	83.832	27.595,279	356.492,805	12,919	12,456	95						
46	70	82.508	26.496,960	328.897,526	12,413	11,950	96						
47	71	81.059	25.396,766	302.400,566	11,907	11,445	97						
48	72	79.446	24.284,276	277.003,799	11,407	10,944	98						
49	73	77.695	23.169,853	252.719,523	10,907	10,445	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -25 Jahre

Zinsfuß 2,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	25	99.189	99.188,590	2.980.508,901	30,049	29,586	50	75	74.046	21.543,054	214.672,941	9,965	9,502
1	26	98.712	96.304,162	2.881.320,311	29,919	29,457	51	76	71.769	20.371,230	193.129,886	9,481	9,018
2	27	98.644	93.891,030	2.785.016,149	29,662	29,200	52	77	69.330	19.199,056	172.758,656	8,998	8,536
3	28	98.596	91.555,873	2.691.125,119	29,393	28,931	53	78	66.681	18.015,148	153.559,599	8,524	8,061
4	29	98.548	89.280,000	2.599.569,246	29,117	28,655	54	79	63.806	16.817,980	135.544,452	8,059	7,597
5	30	98.506	87.065,266	2.510.289,247	28,832	28,370	55	80	60.707	15.610,849	118.726,472	7,605	7,143
6	31	98.461	84.902,283	2.423.223,981	28,541	28,079	56	81	57.317	14.379,723	103.115,623	7,171	6,708
7	32	98.414	82.792,257	2.338.321,697	28,243	27,781	57	82	53.699	13.143,225	88.735,900	6,751	6,289
8	33	98.367	80.734,243	2.255.529,440	27,938	27,475	58	83	49.794	11.890,224	75.592,675	6,358	5,895
9	34	98.316	78.724,281	2.174.795,197	27,625	27,163	59	84	45.785	10.666,342	63.702,451	5,972	5,510
10	35	98.261	76.760,985	2.096.070,916	27,306	26,844	60	85	41.663	9.469,339	53.036,108	5,601	5,138
11	36	98.201	74.843,393	2.019.309,931	26,980	26,518	61	86	37.617	8.341,283	43.566,769	5,223	4,761
12	37	98.131	72.966,112	1.944.466,539	26,649	26,186	62	87	33.419	7.229,534	35.225,486	4,872	4,410
13	38	98.058	71.133,508	1.871.500,427	26,310	25,847	63	88	29.082	6.137,983	27.995,952	4,561	4,099
14	39	97.977	69.341,007	1.800.366,919	25,964	25,502	64	89	24.892	5.125,501	21.857,970	4,265	3,802
15	40	97.881	67.583,155	1.731.025,912	25,613	25,151	65	90	20.868	4.192,073	16.732,468	3,991	3,529
16	41	97.772	65.861,883	1.663.442,758	25,257	24,794	66	91	17.151	3.361,379	12.540,395	3,731	3,268
17	42	97.638	64.167,394	1.597.580,874	24,897	24,435	67	92	13.670	2.613,845	9.179,016	3,512	3,049
18	43	97.479	62.500,233	1.533.413,481	24,535	24,072	68	93	10.630	1.982,925	6.565,170	3,311	2,848
19	44	97.279	60.850,499	1.470.913,248	24,173	23,710	69	94	8.054	1.465,748	4.582,245	3,126	2,664
20	45	97.065	59.235,955	1.410.062,748	23,804	23,342	70	95	5.939	1.054,436	3.116,497	2,956	2,493
21	46	96.837	57.655,651	1.350.826,794	23,429	22,967	71	96	4.253	736,767	2.062,061	2,799	2,336
22	47	96.588	56.104,368	1.293.171,142	23,049	22,587	72	97	2.954	499,263	1.325,293	2,655	2,192
23	48	96.327	54.588,338	1.237.066,775	22,662	22,199	73	98	1.986	327,427	826,031	2,523	2,060
24	49	96.052	53.104,623	1.182.478,437	22,267	21,805	74	99	1.290	207,575	498,604	2,402	1,940
25	50	95.751	51.647,196	1.129.373,814	21,867	21,405	75	100	809	127,029	291,029	2,291	1,829
26	51	95.439	50.223,434	1.077.726,619	21,459	20,996	76	101	489	74,933	164,000	2,189	1,726
27	52	95.106	48.827,447	1.027.503,184	21,044	20,581	77	102	285	42,557	89,067	2,093	1,630
28	53	94.751	47.458,554	978.675,738	20,622	20,159	78	103	159	23,211	46,510	2,004	1,541
29	54	94.382	46.120,906	931.217,183	20,191	19,728	79	104	85	12,126	23,300	1,921	1,459
30	55	93.988	44.807,961	885.096,277	19,753	19,291	80	105	44	6,061	11,174	1,844	1,381
31	56	93.563	43.517,726	840.288,316	19,309	18,847	81	106					
32	57	93.114	42.252,475	796.770,591	18,857	18,395	82	107					
33	58	92.623	41.004,329	754.518,116	18,401	17,939	83	108					
34	59	92.096	39.776,655	713.513,786	17,938	17,476	84	109					
35	60	91.540	38.572,334	673.737,131	17,467	17,004	85	110					
36	61	90.941	37.385,247	635.164,797	16,990	16,527	86	111					
37	62	90.327	36.227,222	597.779,550	16,501	16,038	87	112					
38	63	89.650	35.078,786	561.552,327	16,008	15,546	88						
39	64	88.918	33.943,588	526.473,541	15,510	15,048	89						
40	65	88.131	32.822,859	492.529,953	15,006	14,543	90						
41	66	87.261	31.706,066	459.707,094	14,499	14,037	91						
42	67	86.307	30.594,372	428.001,028	13,990	13,527	92						
43	68	85.241	29.479,599	397.406,656	13,481	13,018	93						
44	69	84.057	28.361,250	367.927,057	12,973	12,510	94						
45	70	82.762	27.243,214	339.565,808	12,464	12,002	95						
46	71	81.335	26.120,345	312.322,594	11,957	11,495	96						
47	72	79.745	24.985,027	286.202,249	11,455	10,993	97						
48	73	78.013	23.846,452	261.217,222	10,954	10,492	98						
49	74	76.112	22.697,829	237.370,770	10,458	9,995	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 1 Jahr

Zinsfuß 2,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	49	91.859	26.725,658	489.533,883	18,317	17,855
1	0	99.544	97.115,873	3.238.097,356	33,343	32,880	51	50	91.184	25.882,167	462.808,224	17,881	17,419
2	1	99.126	94.349,312	3.140.981,483	33,291	32,829	52	51	90.482	25.056,606	436.926,057	17,438	16,975
3	2	99.070	91.996,618	3.046.632,170	33,117	32,654	53	52	89.702	24.234,607	411.869,451	16,995	16,533
4	3	99.033	89.718,683	2.954.635,552	32,932	32,470	54	53	88.868	23.423,876	387.634,844	16,549	16,086
5	4	99.002	87.503,662	2.864.916,870	32,741	32,278	55	54	87.986	22.625,723	364.210,969	16,097	15,635
6	5	98.976	85.346,711	2.777.413,208	32,543	32,080	56	55	87.024	21.832,441	341.585,245	15,646	15,183
7	6	98.952	83.244,496	2.692.066,496	32,339	31,877	57	56	86.015	21.053,107	319.752,804	15,188	14,725
8	7	98.930	81.196,632	2.608.822,000	32,130	31,667	58	57	84.929	20.280,144	298.699,697	14,729	14,266
9	8	98.910	79.199,909	2.527.625,368	31,914	31,452	59	58	83.744	19.509,487	278.419,552	14,271	13,809
10	9	98.891	77.253,557	2.448.425,459	31,693	31,231	60	59	82.465	18.742,884	258.910,065	13,814	13,351
11	10	98.875	75.357,372	2.371.171,902	31,466	31,003	61	60	81.122	17.987,960	240.167,181	13,352	12,889
12	11	98.853	73.502,584	2.295.814,530	31,234	30,772	62	61	79.706	17.243,006	222.179,221	12,885	12,423
13	12	98.831	71.693,750	2.222.311,946	30,997	30,535	63	62	78.190	16.502,460	204.936,215	12,419	11,956
14	13	98.809	69.930,113	2.150.618,196	30,754	30,291	64	63	76.575	15.767,450	188.433,755	11,951	11,488
15	14	98.782	68.205,305	2.080.688,084	30,506	30,044	65	64	74.854	15.037,129	172.666,305	11,483	11,020
16	15	98.747	66.518,312	2.012.482,779	30,255	29,792	66	65	73.005	14.308,043	157.629,177	11,017	10,554
17	16	98.691	64.859,468	1.945.964,467	30,003	29,540	67	66	71.024	13.580,137	143.321,134	10,554	10,091
18	17	98.620	63.232,063	1.881.104,999	29,749	29,287	68	67	68.873	12.847,702	129.740,997	10,098	9,636
19	18	98.524	61.629,463	1.817.872,936	29,497	29,034	69	68	66.561	12.113,634	116.893,295	9,650	9,187
20	19	98.416	60.060,601	1.756.243,473	29,241	28,779	70	69	64.105	11.382,149	104.779,661	9,206	8,743
21	20	98.314	58.534,930	1.696.182,871	28,977	28,515	71	70	61.483	10.650,222	93.397,511	8,770	8,307
22	21	98.206	57.044,448	1.637.647,942	28,708	28,246	72	71	58.700	9.920,223	82.747,290	8,341	7,879
23	22	98.108	55.597,553	1.580.603,494	28,429	27,967	73	72	55.716	9.186,159	72.827,066	7,928	7,465
24	23	98.009	54.186,636	1.525.005,941	28,144	27,681	74	73	52.589	8.459,204	63.640,907	7,523	7,061
25	24	97.912	52.812,870	1.470.819,304	27,850	27,387	75	74	49.330	7.741,507	55.181,702	7,128	6,666
26	25	97.814	51.473,075	1.418.006,434	27,549	27,086	76	75	45.979	7.039,524	47.440,196	6,739	6,277
27	26	97.720	50.169,372	1.366.533,359	27,238	26,776	77	76	42.552	6.356,037	40.400,671	6,356	5,894
28	27	97.623	48.897,033	1.316.363,986	26,921	26,459	78	77	39.059	5.691,909	34.044,634	5,981	5,519
29	28	97.522	47.655,465	1.267.466,954	26,596	26,134	79	78	35.494	5.046,304	28.352,725	5,619	5,156
30	29	97.425	46.446,646	1.219.811,488	26,263	25,800	80	79	31.903	4.425,056	23.306,420	5,267	4,805
31	30	97.325	45.267,442	1.173.364,843	25,921	25,458	81	80	28.289	3.828,177	18.881,364	4,932	4,470
32	31	97.217	44.114,035	1.128.097,400	25,572	25,110	82	81	24.702	3.261,161	15.053,187	4,616	4,153
33	32	97.102	42.987,463	1.083.983,365	25,216	24,754	83	82	21.136	2.722,273	11.792,027	4,332	3,869
34	33	96.983	41.887,299	1.040.995,903	24,852	24,390	84	83	17.755	2.231,110	9.069,754	4,065	3,603
35	34	96.851	40.810,314	999.108,603	24,482	24,019	85	84	14.665	1.797,902	6.838,643	3,804	3,341
36	35	96.705	39.754,628	958.298,289	24,105	23,643	86	85	11.920	1.425,642	5.040,742	3,536	3,073
37	36	96.546	38.721,387	918.543,661	23,722	23,259	87	86	9.443	1.101,863	3.615,100	3,281	2,818
38	37	96.375	37.709,988	879.822,273	23,331	22,869	88	87	7.216	821,454	2.513,237	3,059	2,597
39	38	96.183	36.717,007	842.112,286	22,935	22,473	89	88	5.312	589,949	1.691,783	2,868	2,405
40	39	95.968	35.741,240	805.395,279	22,534	22,072	90	89	3.784	409,985	1.101,834	2,687	2,225
41	40	95.726	34.781,594	769.654,038	22,128	21,666	91	90	2.598	274,598	691,849	2,519	2,057
42	41	95.461	33.839,335	734.872,444	21,717	21,254	92	91	1.711	176,441	417,251	2,365	1,902
43	42	95.156	32.908,610	701.033,109	21,302	20,840	93	92	1.071	107,718	240,810	2,236	1,773
44	43	94.814	31.990,462	668.124,499	20,885	20,423	94	93	640	62,825	133,092	2,118	1,656
45	44	94.436	31.086,072	636.134,037	20,464	20,001	95	94	365	34,917	70,267	2,012	1,550
46	45	94.015	30.192,468	605.047,964	20,040	19,577	96	95	197	18,447	35,349	1,916	1,454
47	46	93.547	29.309,525	574.855,497	19,613	19,151	97	96	101	9,240	16,903	1,829	1,367
48	47	93.029	28.436,323	545.545,971	19,185	18,722	98	97	49	4,378	7,663	1,750	1,288
49	48	92.469	27.575,766	517.109,648	18,752	18,290	99	98	23	1,957	3,285	1,679	1,216
							100	99	10	0,823	1,328	1,614	1,152

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 2 Jahre

Zinsfuß 2,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	48	92.054	26.782,435	494.405,401	18,460	17,998
1							51	49	91.404	25.944,609	467.622,966	18,024	17,561
2	0	99.504	94.708,916	3.147.101,449	33,229	32,767	52	50	90.711	25.120,075	441.678,358	17,583	17,120
3	1	99.106	92.029,578	3.052.392,533	33,168	32,705	53	51	89.952	24.302,100	416.558,283	17,141	16,678
4	2	99.052	89.736,425	2.960.362,955	32,990	32,527	54	52	89.138	23.494,905	392.256,183	16,695	16,233
5	3	99.019	87.518,684	2.870.626,531	32,800	32,338	55	53	88.265	22.697,391	368.761,277	16,247	15,784
6	4	98.989	85.357,736	2.783.107,847	32,605	32,143	56	54	87.328	21.908,645	346.063,886	15,796	15,333
7	5	98.964	83.255,380	2.697.750,111	32,403	31,941	57	55	86.342	21.133,135	324.155,241	15,339	14,876
8	6	98.939	81.204,115	2.614.494,731	32,197	31,734	58	56	85.271	20.361,892	303.022,106	14,882	14,419
9	7	98.918	79.206,807	2.533.290,617	31,983	31,521	59	57	84.119	19.596,950	282.660,214	14,424	13,961
10	8	98.901	77.260,973	2.454.083,809	31,764	31,301	60	58	82.864	18.833,580	263.063,264	13,968	13,505
11	9	98.882	75.362,241	2.376.822,836	31,539	31,076	61	59	81.536	18.079,874	244.229,684	13,508	13,046
12	10	98.861	73.508,766	2.301.460,595	31,309	30,846	62	60	80.147	17.338,441	226.149,810	13,043	12,581
13	11	98.840	71.700,474	2.227.951,829	31,073	30,611	63	61	78.633	16.595,850	208.811,369	12,582	12,120
14	12	98.818	69.936,052	2.156.251,355	30,832	30,369	64	62	77.060	15.867,301	192.215,519	12,114	11,652
15	13	98.791	68.211,914	2.086.315,303	30,586	30,123	65	63	75.367	15.140,109	176.348,217	11,648	11,185
16	14	98.758	66.526,064	2.018.103,389	30,336	29,873	66	64	73.543	14.413,446	161.208,108	11,185	10,722
17	15	98.709	64.871,058	1.951.577,325	30,084	29,622	67	65	71.609	13.691,965	146.794,662	10,721	10,259
18	16	98.641	63.245,457	1.886.706,267	29,831	29,369	68	66	69.502	12.965,122	133.102,698	10,266	9,804
19	17	98.546	61.643,026	1.823.460,810	29,581	29,119	69	67	67.245	12.238,034	120.137,576	9,817	9,354
20	18	98.445	60.077,879	1.761.817,784	29,326	28,863	70	68	64.847	11.513,840	107.899,542	9,371	8,909
21	19	98.341	58.551,160	1.701.739,905	29,064	28,602	71	69	62.277	10.787,855	96.385,703	8,935	8,472
22	20	98.237	57.062,471	1.643.188,744	28,796	28,334	72	70	59.547	10.063,258	85.597,848	8,506	8,044
23	21	98.132	55.611,159	1.586.126,273	28,522	28,059	73	71	56.634	9.337,542	75.534,590	8,089	7,627
24	22	98.035	54.201,311	1.530.515,113	28,238	27,775	74	72	53.555	8.614,516	66.197,048	7,684	7,222
25	23	97.938	52.826,653	1.476.313,803	27,946	27,484	75	73	50.356	7.902,499	57.582,531	7,287	6,824
26	24	97.840	51.487,063	1.423.487,149	27,647	27,185	76	74	47.050	7.203,488	49.680,032	6,897	6,434
27	25	97.744	50.181,720	1.372.000,086	27,341	26,878	77	75	43.685	6.525,220	42.476,544	6,510	6,047
28	26	97.650	48.910,726	1.321.818,366	27,025	26,563	78	76	40.223	5.861,593	35.951,324	6,133	5,671
29	27	97.551	47.669,358	1.272.907,640	26,703	26,240	79	77	36.688	5.215,994	30.089,731	5,769	5,306
30	28	97.454	46.460,436	1.225.238,282	26,372	25,909	80	78	33.131	4.595,371	24.873,737	5,413	4,950
31	29	97.354	45.280,696	1.178.777,846	26,033	25,570	81	79	29.532	3.996,285	20.278,367	5,074	4,612
32	30	97.248	44.128,483	1.133.497,150	25,686	25,224	82	80	25.967	3.428,161	16.282,082	4,750	4,287
33	31	97.137	43.002,824	1.089.368,667	25,332	24,870	83	81	22.383	2.882,982	12.853,920	4,459	3,996
34	32	97.017	41.902,199	1.046.365,843	24,972	24,509	84	82	18.982	2.385,255	9.970,939	4,180	3,718
35	33	96.890	40.826,628	1.004.463,644	24,603	24,141	85	83	15.797	1.936,680	7.585,683	3,917	3,454
36	34	96.750	39.773,275	963.637,016	24,228	23,766	86	84	12.961	1.550,220	5.649,003	3,644	3,182
37	35	96.595	38.741,221	923.863,741	23,847	23,385	87	85	10.341	1.206,628	4.098,784	3,397	2,934
38	36	96.429	37.731,323	885.122,520	23,459	22,996	88	86	8.025	913,554	2.892,156	3,166	2,703
39	37	96.242	36.739,536	847.391,197	23,065	22,602	89	87	6.022	668,783	1.978,602	2,959	2,496
40	38	96.035	35.766,259	810.651,661	22,665	22,203	90	88	4.357	472,076	1.309,819	2,775	2,312
41	39	95.802	34.809,451	774.885,401	22,261	21,798	91	89	3.050	322,383	837,743	2,599	2,136
42	40	95.544	33.868,800	740.075,950	21,851	21,389	92	90	2.045	210,918	515,360	2,443	1,981
43	41	95.250	32.941,172	706.207,150	21,438	20,976	93	91	1.317	132,560	304,442	2,297	1,834
44	42	94.920	32.026,482	673.265,978	21,022	20,560	94	92	805	79,064	171,882	2,174	1,712
45	43	94.559	31.126,475	641.239,497	20,601	20,139	95	93	470	44,996	92,817	2,063	1,600
46	44	94.146	30.234,555	610.113,022	20,179	19,717	96	94	261	24,373	47,822	1,962	1,500
47	45	93.696	29.356,084	579.878,467	19,753	19,291	97	95	137	12,534	23,449	1,871	1,408
48	46	93.197	28.487,486	550.522,383	19,325	18,863	98	96	69	6,104	10,915	1,788	1,326
49	47	92.649	27.629,495	522.034,897	18,894	18,432	99	97	32	2,808	4,811	1,713	1,251
							100	98	14	1,217	2,003	1,645	1,183

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 3 Jahre

Zinsfuß 2,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	47	92.234	26.834,619	498.920,723	18,592	18,130
1							51	48	91.598	25.999,726	472.086,104	18,157	17,695
2							52	49	90.930	25.180,678	446.086,377	17,715	17,253
3	0	99.484	92.380,340	3.058.072,060	33,103	32,641	53	50	90.179	24.363,658	420.905,699	17,276	16,814
4	1	99.088	89.768,575	2.965.691,720	33,037	32,575	54	51	89.386	23.560,338	396.542,041	16,831	16,368
5	2	99.039	87.535,991	2.875.923,146	32,854	32,392	55	52	88.533	22.766,218	372.981,703	16,383	15,921
6	3	99.006	85.372,390	2.788.387,155	32,661	32,199	56	53	87.604	21.978,041	350.215,485	15,935	15,472
7	4	98.977	83.266,134	2.703.014,765	32,462	32,000	57	54	86.644	21.206,898	328.237,444	15,478	15,015
8	5	98.952	81.214,731	2.619.748,631	32,257	31,795	58	55	85.595	20.439,292	307.030,545	15,022	14,559
9	6	98.928	79.214,107	2.538.533,900	32,046	31,584	59	56	84.459	19.675,943	286.591,253	14,566	14,103
10	7	98.909	77.267,702	2.459.319,794	31,829	31,366	60	57	83.235	18.918,013	266.915,310	14,109	13,647
11	8	98.891	75.369,476	2.382.052,091	31,605	31,143	61	58	81.931	18.167,361	247.997,297	13,651	13,188
12	9	98.868	73.513,516	2.306.682,615	31,378	30,915	62	59	80.557	17.427,037	229.829,936	13,188	12,726
13	10	98.848	71.706,504	2.233.169,099	31,143	30,681	63	60	79.068	16.687,704	212.402,899	12,728	12,266
14	11	98.827	69.942,612	2.161.462,595	30,903	30,441	64	61	77.496	15.957,998	195.715,196	12,265	11,803
15	12	98.800	68.217,707	2.091.519,984	30,659	30,197	65	62	75.844	15.235,988	179.758,098	11,798	11,336
16	13	98.768	66.532,511	2.023.302,276	30,411	29,948	66	63	74.047	14.512,155	164.522,110	11,337	10,874
17	14	98.720	64.878,618	1.956.769,766	30,160	29,698	67	64	72.136	13.792,829	150.009,955	10,876	10,414
18	15	98.659	63.256,759	1.891.891,147	29,908	29,446	68	65	70.075	13.071,885	136.217,126	10,421	9,958
19	16	98.567	61.656,083	1.828.634,388	29,659	29,196	69	66	67.859	12.349,881	123.145,241	9,971	9,509
20	17	98.466	60.091,100	1.766.978,306	29,405	28,943	70	67	65.513	11.632,080	110.795,360	9,525	9,063
21	18	98.370	58.568,004	1.706.887,205	29,144	28,681	71	68	62.998	10.912,670	99.163,281	9,087	8,625
22	19	98.264	57.078,294	1.648.319,201	28,878	28,416	72	69	60.316	10.193,306	88.250,611	8,658	8,195
23	20	98.163	55.628,730	1.591.240,907	28,605	28,142	73	70	57.450	9.472,175	78.057,305	8,241	7,778
24	21	98.059	54.214,576	1.535.612,177	28,325	27,862	74	71	54.437	8.756,479	68.585,130	7,833	7,370
25	22	97.964	52.840,959	1.481.397,601	28,035	27,573	75	72	51.281	8.047,590	59.828,651	7,434	6,972
26	23	97.866	51.500,500	1.428.556,642	27,739	27,276	76	73	48.028	7.353,292	51.781,061	7,042	6,579
27	24	97.771	50.195,357	1.377.056,142	27,434	26,972	77	74	44.703	6.677,205	44.427,769	6,654	6,191
28	25	97.674	48.922,764	1.326.860,785	27,122	26,659	78	75	41.294	6.017,614	37.750,564	6,273	5,811
29	26	97.578	47.682,707	1.277.938,021	26,801	26,338	79	76	37.782	5.371,489	31.732,950	5,908	5,445
30	27	97.482	46.473,980	1.230.255,314	26,472	26,009	80	77	34.245	4.749,897	26.361,460	5,550	5,087
31	28	97.383	45.294,141	1.183.781,334	26,135	25,673	81	78	30.668	4.150,096	21.611,564	5,207	4,745
32	29	97.277	44.141,404	1.138.487,193	25,792	25,329	82	79	27.107	3.578,704	17.461,467	4,879	4,417
33	30	97.169	43.016,908	1.094.345,789	25,440	24,977	83	80	23.529	3.030,616	13.882,764	4,581	4,118
34	31	97.052	41.917,172	1.051.328,881	25,081	24,619	84	81	20.102	2.526,068	10.852,147	4,296	3,834
35	32	96.924	40.841,150	1.009.411,709	24,716	24,253	85	82	16.889	2.070,483	8.326,079	4,021	3,559
36	33	96.789	39.789,174	968.570,559	24,343	23,880	86	83	13.962	1.669,880	6.255,596	3,746	3,284
37	34	96.641	38.759,392	928.781,385	23,963	23,500	87	84	11.244	1.312,068	4.585,716	3,495	3,033
38	35	96.479	37.750,650	890.021,993	23,576	23,114	88	85	8.788	1.000,414	3.273,648	3,272	2,810
39	36	96.296	36.760,323	852.271,343	23,185	22,722	89	86	6.697	743,765	2.273,234	3,056	2,594
40	37	96.094	35.788,205	815.511,020	22,787	22,325	90	87	4.939	535,159	1.529,468	2,858	2,396
41	38	95.869	34.833,818	779.722,815	22,384	21,922	91	88	3.511	371,207	994,309	2,679	2,216
42	39	95.620	33.895,926	744.888,997	21,976	21,513	92	89	2.401	247,621	623,102	2,516	2,054
43	40	95.333	32.969,855	710.993,071	21,565	21,103	93	90	1.575	158,463	375,481	2,370	1,907
44	41	95.014	32.058,171	678.023,216	21,150	20,687	94	91	991	97,298	217,018	2,230	1,768
45	42	94.666	31.161,521	645.965,046	20,730	20,267	95	92	591	56,626	119,720	2,114	1,652
46	43	94.268	30.273,851	614.803,524	20,308	19,846	96	93	336	31,408	63,094	2,009	1,546
47	44	93.826	29.397,005	584.529,674	19,884	19,422	97	94	182	16,560	31,686	1,913	1,451
48	45	93.345	28.532,739	555.132,668	19,456	18,994	98	95	93	8,280	15,126	1,827	1,364
49	46	92.816	27.679,206	526.599,929	19,025	18,563	99	96	45	3,916	6,846	1,748	1,286
							100	97	21	1,747	2,931	1,677	1,215

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 4 Jahre

Zinsfuß 2,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	46	92.399	26.882,900	503.099,061	18,714	18,252
1							51	47	91.776	26.050,385	476.216,161	18,281	17,818
2							52	48	91.123	25.234,173	450.165,776	17,840	17,377
3							53	49	90.397	24.422,436	424.931,603	17,399	16,937
4	0	99.465	90.110,719	2.970.956,139	32,970	32,508	54	50	89.613	23.620,017	400.509,167	16,956	16,494
5	1	99.074	87.567,353	2.880.845,419	32,899	32,436	55	51	88.779	22.829,622	376.889,150	16,509	16,046
6	2	99.025	85.389,272	2.793.278,067	32,712	32,250	56	52	87.870	22.044,687	354.059,528	16,061	15,599
7	3	98.994	83.280,429	2.707.888,794	32,515	32,053	57	53	86.918	21.274,072	332.014,842	15,607	15,144
8	4	98.965	81.225,222	2.624.608,366	32,313	31,850	58	54	85.894	20.510,633	310.740,770	15,150	14,688
9	5	98.940	79.224,463	2.543.383,144	32,104	31,641	59	55	84.780	19.750,737	290.230,136	14,695	14,232
10	6	98.918	77.274,823	2.464.158,681	31,888	31,426	60	56	83.571	18.994,269	270.479,400	14,240	13,778
11	7	98.900	75.376,041	2.386.883,858	31,666	31,204	61	57	82.298	18.248,807	251.485,130	13,781	13,318
12	8	98.877	73.520,573	2.311.507,817	31,440	30,978	62	58	80.947	17.511,365	233.236,323	13,319	12,857
13	9	98.855	71.711,137	2.237.987,244	31,208	30,746	63	59	79.472	16.772,974	215.724,958	12,861	12,399
14	10	98.835	69.948,494	2.166.276,107	30,970	30,507	64	60	77.925	16.045,416	198.951,984	12,399	11,937
15	11	98.809	68.224,105	2.096.327,613	30,727	30,265	65	61	76.273	15.322,211	182.906,569	11,937	11,475
16	12	98.776	66.538,162	2.028.103,508	30,480	30,018	66	62	74.516	14.604,057	167.584,358	11,475	11,013
17	13	98.730	64.884,905	1.961.565,346	30,231	29,769	67	63	72.630	13.887,288	152.980,301	11,016	10,553
18	14	98.670	63.264,131	1.896.680,441	29,980	29,518	68	64	70.591	13.168,181	139.093,013	10,563	10,100
19	15	98.584	61.667,101	1.833.416,310	29,731	29,268	69	65	68.418	12.451,578	125.924,831	10,113	9,651
20	16	98.487	60.103,829	1.771.749,209	29,478	29,016	70	66	66.112	11.738,389	113.473,253	9,667	9,204
21	17	98.391	58.580,893	1.711.645,380	29,218	28,756	71	67	63.645	11.024,736	101.734,864	9,228	8,765
22	18	98.293	57.094,714	1.653.064,487	28,953	28,491	72	68	61.014	10.311,241	90.710,128	8,797	8,335
23	19	98.190	55.644,155	1.595.969,773	28,682	28,219	73	69	58.193	9.594,585	80.398,887	8,380	7,917
24	20	98.090	54.231,705	1.540.325,618	28,403	27,940	74	70	55.222	8.882,734	70.804,302	7,971	7,509
25	21	97.988	52.853,891	1.486.093,913	28,117	27,655	75	71	52.126	8.180,210	61.921,568	7,570	7,107
26	22	97.893	51.514,447	1.433.240,022	27,822	27,360	76	72	48.910	7.488,299	53.741,358	7,177	6,714
27	23	97.796	50.208,457	1.381.725,575	27,520	27,057	77	73	45.632	6.816,064	46.253,059	6,786	6,323
28	24	97.701	48.936,059	1.331.517,118	27,209	26,747	78	74	42.256	6.157,776	39.436,995	6,404	5,942
29	25	97.602	47.694,443	1.282.581,059	26,892	26,429	79	75	38.787	5.514,466	33.279,219	6,035	5,572
30	26	97.510	46.486,995	1.234.886,616	26,564	26,102	80	76	35.266	4.891,497	27.764,753	5,676	5,214
31	27	97.411	45.307,345	1.188.399,622	26,230	25,767	81	77	31.700	4.289,649	22.873,256	5,332	4,870
32	28	97.306	44.154,510	1.143.092,277	25,888	25,426	82	78	28.150	3.716,443	18.583,606	5,000	4,538
33	29	97.197	43.029,503	1.098.937,767	25,539	25,077	83	79	24.563	3.163,701	14.867,163	4,699	4,237
34	30	97.084	41.930,901	1.055.908,264	25,182	24,720	84	80	21.132	2.655,425	11.703,462	4,407	3,945
35	31	96.959	40.855,744	1.013.977,363	24,818	24,356	85	81	17.886	2.192,714	9.048,037	4,126	3,664
36	32	96.823	39.803,327	973.121,619	24,448	23,986	86	82	14.926	1.785,250	6.855,323	3,840	3,378
37	33	96.679	38.774,886	933.318,292	24,070	23,608	87	83	12.112	1.413,345	5.070,073	3,587	3,125
38	34	96.524	37.768,356	894.543,407	23,685	23,223	88	84	9.556	1.087,834	3.656,728	3,361	2,899
39	35	96.346	36.779,152	856.775,050	23,295	22,833	89	85	7.333	814,483	2.568,893	3,154	2,692
40	36	96.148	35.808,454	819.995,898	22,900	22,437	90	86	5.493	595,160	1.754,411	2,948	2,485
41	37	95.928	34.855,192	784.187,444	22,498	22,036	91	87	3.981	420,811	1.159,251	2,755	2,292
42	38	95.687	33.919,653	749.332,253	22,091	21,629	92	88	2.765	285,123	738,440	2,590	2,127
43	39	95.409	32.996,261	715.412,599	21,682	21,219	93	89	1.849	186,038	453,317	2,437	1,974
44	40	95.097	32.086,085	682.416,339	21,268	20,806	94	90	1.185	116,310	267,279	2,298	1,836
45	41	94.759	31.192,355	650.330,254	20,849	20,387	95	91	728	69,685	150,969	2,166	1,704
46	42	94.374	30.307,937	619.137,899	20,428	19,966	96	92	423	39,526	81,283	2,056	1,594
47	43	93.948	29.435,213	588.829,962	20,004	19,542	97	93	234	21,340	41,757	1,957	1,494
48	44	93.475	28.572,512	559.394,749	19,578	19,116	98	94	123	10,940	20,417	1,866	1,404
49	45	92.963	27.723,176	530.822,237	19,147	18,685	99	95	61	5,311	9,477	1,784	1,322
							100	96	29	2,436	4,166	1,710	1,248

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 5 Jahre

Zinsfuß 2,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	45	92.546	26.925,605	506.958,019	18,828	18,366
1							51	46	91.942	26.097,255	480.032,414	18,394	17,932
2							52	47	91.301	25.283,340	453.935,159	17,954	17,492
3							53	48	90.589	24.474,320	428.651,819	17,514	17,052
4							54	49	89.829	23.677,001	404.177,499	17,070	16,608
5	0	99.452	87.901,108	2.885.719,970	32,829	32,367	55	50	89.004	22.887,450	380.500,498	16,625	16,162
6	1	99.061	85.419,865	2.797.818,863	32,754	32,291	56	51	88.115	22.106,081	357.613,048	16,177	15,715
7	2	99.014	83.296,898	2.712.398,998	32,563	32,101	57	52	87.182	21.338,583	335.506,968	15,723	15,261
8	3	98.982	81.239,166	2.629.102,101	32,362	31,900	58	53	86.166	20.575,602	314.168,385	15,269	14,807
9	4	98.953	79.234,696	2.547.862,934	32,156	31,693	59	54	85.076	19.819,674	293.592,783	14,813	14,351
10	5	98.931	77.284,926	2.468.628,238	31,942	31,479	60	55	83.888	19.066,472	273.773,109	14,359	13,896
11	6	98.909	75.382,987	2.391.343,312	31,723	31,260	61	56	82.630	18.322,366	254.706,637	13,901	13,439
12	7	98.886	73.526,977	2.315.960,325	31,498	31,036	62	57	81.310	17.589,870	236.384,271	13,439	12,976
13	8	98.864	71.718,022	2.242.433,348	31,267	30,805	63	58	79.856	16.854,137	218.794,401	12,982	12,519
14	9	98.842	69.953,014	2.170.715,327	31,031	30,569	64	59	78.323	16.127,404	201.940,264	12,522	12,059
15	10	98.817	68.229,843	2.100.762,313	30,789	30,327	65	60	76.695	15.407,015	185.812,860	12,060	11,598
16	11	98.786	66.544,402	2.032.532,470	30,544	30,082	66	61	74.938	14.686,704	170.405,845	11,603	11,140
17	12	98.738	64.890,416	1.965.988,068	30,297	29,835	67	62	73.090	13.975,233	155.719,141	11,143	10,680
18	13	98.680	63.270,261	1.901.097,652	30,047	29,585	68	63	71.074	13.258,362	141.743,908	10,691	10,228
19	14	98.596	61.674,287	1.837.827,391	29,799	29,337	69	64	68.922	12.543,305	128.485,546	10,243	9,781
20	15	98.505	60.114,570	1.776.153,103	29,546	29,084	70	65	66.656	11.835,051	115.942,241	9,797	9,334
21	16	98.412	58.593,302	1.716.038,533	29,287	28,825	71	66	64.226	11.125,495	104.107,190	9,358	8,895
22	17	98.314	57.107,278	1.657.445,232	29,023	28,561	72	67	61.641	10.417,131	92.981,695	8,926	8,463
23	18	98.219	55.660,162	1.600.337,953	28,752	28,290	73	68	58.866	9.705,593	82.564,564	8,507	8,044
24	19	98.117	54.246,742	1.544.677,791	28,475	28,013	74	69	55.936	8.997,526	72.858,971	8,098	7,635
25	20	98.019	52.870,591	1.490.431,048	28,190	27,728	75	70	52.878	8.298,156	63.861,445	7,696	7,233
26	21	97.916	51.527,054	1.437.560,458	27,899	27,437	76	71	49.716	7.611,702	55.563,289	7,300	6,837
27	22	97.823	50.222,054	1.386.033,403	27,598	27,136	77	72	46.470	6.941,208	47.951,586	6,908	6,446
28	23	97.726	48.948,830	1.335.811,349	27,290	26,828	78	73	43.134	6.285,833	41.010,378	6,524	6,062
29	24	97.629	47.707,404	1.286.862,519	26,974	26,512	79	74	39.691	5.642,908	34.724,545	6,154	5,691
30	25	97.534	46.498,436	1.239.155,115	26,649	26,187	80	75	36.204	5.021,698	29.081,637	5,791	5,329
31	26	97.438	45.320,032	1.192.656,679	26,316	25,854	81	76	32.645	4.417,530	24.059,939	5,446	4,984
32	27	97.334	44.167,382	1.147.336,647	25,977	25,515	82	77	29.097	3.841,414	19.642,410	5,113	4,651
33	28	97.226	43.042,279	1.103.169,265	25,630	25,167	83	78	25.508	3.285,467	15.800,996	4,809	4,347
34	29	97.112	41.943,178	1.060.126,986	25,275	24,813	84	79	22.060	2.772,034	12.515,529	4,515	4,053
35	30	96.991	40.869,125	1.018.183,808	24,913	24,451	85	80	18.802	2.305,000	9.743,494	4,227	3,765
36	31	96.858	39.817,550	977.314,682	24,545	24,082	86	81	15.807	1.890,642	7.438,494	3,934	3,472
37	32	96.714	38.788,678	937.497,133	24,169	23,707	87	82	12.949	1.510,992	5.547,852	3,672	3,209
38	33	96.563	37.783,454	898.708,455	23,786	23,323	88	83	10.293	1.171,803	4.036,861	3,445	2,983
39	34	96.391	36.796,403	860.925,001	23,397	22,935	89	84	7.974	885,655	2.865,057	3,235	2,773
40	35	96.197	35.826,795	824.128,598	23,003	22,541	90	85	6.015	651,748	1.979,402	3,037	2,575
41	36	95.982	34.874,912	788.301,802	22,604	22,141	91	86	4.427	467,992	1.327,654	2,837	2,374
42	37	95.746	33.940,466	753.426,890	22,198	21,736	92	87	3.134	323,223	859,663	2,660	2,197
43	38	95.476	33.019,358	719.486,424	21,790	21,327	93	88	2.129	214,213	536,439	2,504	2,042
44	39	95.173	32.111,783	686.467,066	21,377	20,915	94	89	1.391	136,550	322,226	2,360	1,897
45	40	94.842	31.219,515	654.355,283	20,960	20,497	95	90	870	83,302	185,676	2,229	1,767
46	41	94.468	30.337,926	623.135,768	20,540	20,077	96	91	521	48,641	102,374	2,105	1,642
47	42	94.054	29.468,355	592.797,843	20,116	19,654	97	92	295	26,856	53,733	2,001	1,538
48	43	93.596	28.609,648	563.329,487	19,690	19,228	98	93	159	14,097	26,876	1,906	1,444
49	44	93.093	27.761,820	534.719,839	19,261	18,799	99	94	81	7,018	12,779	1,821	1,359
							100	95	39	3,305	5,761	1,743	1,281

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 6 Jahre

Zinsfuß 2,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	44	92.675	26.963,137	510.515,523	18,934	18,471
1							51	45	92.088	26.138,712	483.552,386	18,499	18,037
2							52	46	91.465	25.328,830	457.413,674	18,059	17,597
3							53	47	90.766	24.522,007	432.084,844	17,620	17,158
4							54	48	90.020	23.727,302	407.562,838	17,177	16,715
5							55	49	89.219	22.942,666	383.835,536	16,730	16,268
6	0	99.438	85.745,435	2.802.328,490	32,682	32,220	56	50	88.338	22.162,076	360.892,870	16,284	15,822
7	1	99.049	83.326,740	2.716.583,055	32,602	32,139	57	51	87.425	21.398,010	338.730,794	15,830	15,368
8	2	99.002	81.255,231	2.633.256,315	32,407	31,945	58	52	86.427	20.637,995	317.332,783	15,376	14,914
9	3	98.970	79.248,299	2.552.001,083	32,203	31,740	59	53	85.345	19.882,454	296.694,789	14,922	14,460
10	4	98.944	77.294,909	2.472.752,784	31,991	31,529	60	54	84.181	19.133,021	276.812,335	14,468	14,005
11	5	98.922	75.392,843	2.395.457,875	31,773	31,311	61	55	82.944	18.392,014	257.679,314	14,010	13,548
12	6	98.895	73.533,753	2.320.065,033	31,551	31,089	62	56	81.637	17.660,773	239.287,300	13,549	13,087
13	7	98.873	71.724,268	2.246.531,280	31,322	30,859	63	57	80.214	16.929,696	221.626,527	13,091	12,629
14	8	98.851	69.959,729	2.174.807,012	31,087	30,624	64	58	78.702	16.205,443	204.696,831	12,631	12,169
15	9	98.824	68.234,252	2.104.847,282	30,847	30,385	65	59	77.087	15.485,741	188.491,388	12,172	11,710
16	10	98.794	66.549,998	2.036.613,030	30,603	30,140	66	60	75.352	14.767,991	173.005,646	11,715	11,252
17	11	98.748	64.896,502	1.970.063,032	30,357	29,895	67	61	73.504	14.054,322	158.237,656	11,259	10,797
18	12	98.688	63.275,635	1.905.166,530	30,109	29,647	68	62	71.524	13.342,324	144.183,334	10,806	10,344
19	13	98.605	61.680,264	1.841.890,895	29,862	29,399	69	63	69.394	12.629,207	130.841,010	10,360	9,898
20	14	98.516	60.121,575	1.780.210,631	29,610	29,148	70	64	67.147	11.922,236	118.211,803	9,915	9,453
21	15	98.430	58.603,772	1.720.089,056	29,351	28,889	71	65	64.755	11.217,109	106.289,568	9,476	9,013
22	16	98.335	57.119,375	1.661.485,284	29,088	28,626	72	66	62.204	10.512,337	95.072,458	9,044	8,581
23	17	98.240	55.672,412	1.604.365,909	28,818	28,356	73	67	59.470	9.805,264	84.560,121	8,624	8,162
24	18	98.146	54.262,348	1.548.693,497	28,541	28,078	74	68	56.583	9.101,626	74.754,857	8,213	7,751
25	19	98.046	52.885,251	1.494.431,149	28,258	27,796	75	69	53.561	8.405,394	65.653,231	7,811	7,348
26	20	97.947	51.543,334	1.441.545,898	27,968	27,505	76	70	50.433	7.721,451	57.247,837	7,414	6,952
27	21	97.846	50.234,345	1.390.002,564	27,670	27,208	77	71	47.236	7.055,595	49.526,386	7,019	6,557
28	22	97.753	48.962,086	1.339.768,219	27,363	26,901	78	72	43.926	6.401,242	42.470,791	6,635	6,172
29	23	97.654	47.719,854	1.290.806,133	27,050	26,587	79	73	40.516	5.760,258	36.069,549	6,262	5,799
30	24	97.560	46.511,072	1.243.086,279	26,727	26,264	80	74	37.048	5.138,662	30.309,291	5,898	5,436
31	25	97.462	45.331,187	1.196.575,206	26,396	25,934	81	75	33.514	4.535,114	25.170,628	5,550	5,088
32	26	97.361	44.179,750	1.151.244,020	26,058	25,596	82	76	29.964	3.955,931	20.635,514	5,216	4,754
33	27	97.254	43.054,827	1.107.064,269	25,713	25,250	83	77	26.366	3.395,946	16.679,583	4,912	4,449
34	28	97.141	41.955,631	1.064.009,442	25,360	24,898	84	78	22.909	2.878,726	13.283,637	4,614	4,152
35	29	97.019	40.881,091	1.022.053,811	25,001	24,538	85	79	19.627	2.406,221	10.404,911	4,324	3,862
36	30	96.889	39.830,591	981.172,720	24,634	24,171	86	80	16.617	1.987,460	7.998,690	4,025	3,562
37	31	96.748	38.802,539	941.342,129	24,260	23,797	87	81	13.714	1.600,193	6.011,231	3,757	3,294
38	32	96.597	37.796,893	902.539,590	23,879	23,416	88	82	11.004	1.252,762	4.411,038	3,521	3,059
39	33	96.429	36.811,112	864.742,696	23,491	23,029	89	83	8.590	954,018	3.158,276	3,310	2,848
40	34	96.242	35.843,600	827.931,584	23,098	22,636	90	84	6.540	708,700	2.204,258	3,110	2,648
41	35	96.032	34.892,776	792.087,985	22,701	22,238	91	85	4.848	512,488	1.495,558	2,918	2,456
42	36	95.800	33.959,669	757.195,209	22,297	21,834	92	86	3.485	359,462	983,070	2,735	2,272
43	37	95.535	33.039,618	723.235,540	21,890	21,428	93	87	2.413	242,839	623,607	2,568	2,106
44	38	95.240	32.134,261	690.195,922	21,479	21,016	94	88	1.602	157,230	380,769	2,422	1,959
45	39	94.918	31.244,519	658.061,661	21,062	20,599	95	89	1.021	97,798	223,539	2,286	1,823
46	40	94.550	30.364,342	626.817,142	20,643	20,181	96	90	622	58,146	125,741	2,163	1,700
47	41	94.147	29.497,513	596.452,800	20,220	19,758	97	91	363	33,050	67,595	2,045	1,583
48	42	93.702	28.641,861	566.955,287	19,795	19,332	98	92	199	17,741	34,545	1,947	1,485
49	43	93.214	27.797,903	538.313,426	19,365	18,903	99	93	104	9,043	16,804	1,858	1,396
							100	94	52	4,366	7,760	1,777	1,315

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 7 Jahre

Zinsfuß 2,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	43	92.796	26.998,182	513.791,884	19,031	18,568
1							51	44	92.216	26.175,148	486.793,703	18,598	18,135
2							52	45	91.611	25.369,065	460.618,555	18,157	17,694
3							53	46	90.929	24.566,127	435.249,490	17,717	17,255
4							54	47	90.195	23.773,533	410.683,363	17,275	16,812
5							55	48	89.408	22.991,407	386.909,830	16,828	16,366
6							56	49	88.551	22.215,543	363.918,424	16,381	15,919
7	0	99.427	83.644,333	2.720.752,219	32,528	32,065	57	50	87.646	21.452,212	341.702,881	15,929	15,466
8	1	99.037	81.284,343	2.637.107,886	32,443	31,981	58	51	86.668	20.695,471	320.250,669	15,474	15,012
9	2	98.990	79.263,971	2.555.823,544	32,244	31,782	59	52	85.604	19.942,745	299.555,198	15,021	14,558
10	3	98.961	77.308,179	2.476.559,573	32,035	31,572	60	53	84.448	19.193,625	279.612,453	14,568	14,106
11	4	98.935	75.402,581	2.399.251,394	31,819	31,357	61	54	83.234	18.456,209	260.418,828	14,110	13,648
12	5	98.908	73.543,366	2.323.848,813	31,598	31,136	62	55	81.948	17.727,906	241.962,618	13,649	13,186
13	6	98.882	71.730,878	2.250.305,447	31,372	30,909	63	56	80.538	16.997,938	224.234,712	13,192	12,729
14	7	98.860	69.965,823	2.178.574,569	31,138	30,675	64	57	79.055	16.278,094	207.236,774	12,731	12,269
15	8	98.833	68.240,803	2.108.608,746	30,900	30,437	65	58	77.460	15.560,676	190.958,680	12,272	11,809
16	9	98.800	66.554,299	2.040.367,944	30,657	30,195	66	59	75.737	14.843,452	175.398,005	11,817	11,354
17	10	98.756	64.901,960	1.973.813,645	30,412	29,950	67	60	73.910	14.132,108	160.554,553	11,361	10,899
18	11	98.698	63.281,569	1.908.911,685	30,165	29,703	68	61	71.929	13.417,831	146.422,445	10,913	10,450
19	12	98.614	61.685,503	1.845.630,116	29,920	29,458	69	62	69.834	12.709,184	133.004,614	10,465	10,003
20	13	98.526	60.127,401	1.783.944,613	29,669	29,207	70	63	67.607	12.003,884	120.295,429	10,021	9,559
21	14	98.441	58.610,602	1.723.817,212	29,411	28,949	71	64	65.232	11.299,742	108.291,545	9,584	9,121
22	15	98.353	57.129,582	1.665.206,610	29,148	28,685	72	65	62.716	10.598,902	96.991,803	9,151	8,689
23	16	98.261	55.684,204	1.608.077,028	28,879	28,416	73	66	60.014	9.894,877	86.392,901	8,731	8,269
24	17	98.167	54.274,289	1.552.392,824	28,603	28,140	74	67	57.164	9.195,095	76.498,023	8,319	7,857
25	18	98.075	52.900,465	1.498.118,534	28,320	27,857	75	68	54.181	8.502,643	67.302,929	7,916	7,453
26	19	97.975	51.557,627	1.445.218,070	28,031	27,569	76	69	51.085	7.821,236	58.800,285	7,518	7,056
27	20	97.877	50.250,217	1.393.660,443	27,734	27,272	77	70	47.917	7.157,326	50.979,049	7,123	6,660
28	21	97.776	48.974,068	1.343.410,226	27,431	26,969	78	71	44.650	6.506,731	43.821,723	6,735	6,272
29	22	97.681	47.732,778	1.294.436,158	27,118	26,656	79	72	41.260	5.866,017	37.314,992	6,361	5,899
30	23	97.586	46.523,211	1.246.703,380	26,797	26,335	80	73	37.818	5.245,526	31.448,975	5,995	5,533
31	24	97.489	45.343,506	1.200.180,170	26,469	26,006	81	74	34.294	4.640,745	26.203,449	5,646	5,184
32	25	97.385	44.190,624	1.154.836,664	26,133	25,671	82	75	30.762	4.061,229	21.562,704	5,309	4,847
33	26	97.282	43.066,884	1.110.646,040	25,789	25,326	83	76	27.152	3.497,184	17.501,475	5,004	4,542
34	27	97.169	41.967,862	1.067.579,156	25,438	24,976	84	77	23.679	2.975,527	14.004,291	4,706	4,244
35	28	97.048	40.893,229	1.025.611,294	25,080	24,618	85	78	20.383	2.498,833	11.028,764	4,414	3,951
36	29	96.918	39.842,253	984.718,065	24,715	24,253	86	79	17.347	2.074,736	8.529,931	4,111	3,649
37	30	96.780	38.815,247	944.875,811	24,343	23,880	87	80	14.416	1.682,137	6.455,195	3,837	3,375
38	31	96.631	37.810,400	906.060,564	23,963	23,501	88	81	11.654	1.326,718	4.773,058	3,598	3,135
39	32	96.464	36.824,206	868.250,164	23,578	23,116	89	82	9.183	1.019,930	3.446,340	3,379	2,917
40	33	96.281	35.857,928	831.425,959	23,187	22,724	90	83	7.045	763,404	2.426,410	3,178	2,716
41	34	96.077	34.909,142	795.568,031	22,790	22,327	91	84	5.272	557,271	1.663,006	2,984	2,522
42	35	95.849	33.977,064	760.658,889	22,387	21,925	92	85	3.817	393,640	1.105,734	2,809	2,347
43	36	95.589	33.058,312	726.681,826	21,982	21,519	93	86	2.684	270,065	712,094	2,637	2,174
44	37	95.298	32.153,978	693.623,514	21,572	21,110	94	87	1.816	178,241	442,029	2,480	2,018
45	38	94.984	31.266,390	661.469,536	21,156	20,694	95	88	1.176	112,609	263,789	2,343	1,880
46	39	94.626	30.388,661	630.203,145	20,738	20,276	96	89	731	68,264	151,179	2,215	1,752
47	40	94.229	29.523,198	599.814,484	20,317	19,854	97	90	433	39,508	82,915	2,099	1,636
48	41	93.794	28.670,201	570.291,287	19,891	19,429	98	91	245	21,833	43,407	1,988	1,526
49	42	93.319	27.829,201	541.621,086	19,462	19,000	99	92	131	11,381	21,574	1,896	1,433
							100	93	66	5,627	10,193	1,812	1,349

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 8 Jahre

Zinsfuß 2,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	42	92.900	27.028,580	516.804,668	19,121	18,658
1							51	43	92.336	26.209,168	489.776,088	18,687	18,225
2							52	44	91.738	25.404,429	463.566,921	18,247	17,785
3							53	45	91.073	24.605,151	438.162,492	17,808	17,345
4							54	46	90.357	23.816,306	413.557,341	17,364	16,902
5							55	47	89.583	23.036,204	389.741,035	16,919	16,456
6							56	48	88.739	22.262,738	366.704,831	16,472	16,009
7							57	49	87.858	21.503,966	344.442,093	16,018	15,555
8	0	99.415	81.594,151	2.640.960,347	32,367	31,905	58	50	86.888	20.747,893	322.938,126	15,565	15,102
9	1	99.025	79.292,369	2.559.366,197	32,278	31,815	59	51	85.842	19.998,285	302.190,233	15,111	14,648
10	2	98.981	77.323,466	2.480.073,828	32,074	31,612	60	52	84.704	19.251,828	282.191,948	14,658	14,196
11	3	98.952	75.415,526	2.402.750,362	31,860	31,398	61	53	83.497	18.514,670	262.940,121	14,202	13,739
12	4	98.920	73.552,866	2.327.334,836	31,642	31,179	62	54	82.234	17.789,783	244.425,450	13,740	13,277
13	5	98.895	71.740,256	2.253.781,969	31,416	30,953	63	55	80.844	17.062,551	226.635,667	13,283	12,820
14	6	98.869	69.972,270	2.182.041,714	31,184	30,722	64	56	79.374	16.343,709	209.573,116	12,823	12,360
15	7	98.842	68.246,746	2.112.069,443	30,948	30,485	65	57	77.808	15.630,436	193.229,407	12,362	11,900
16	8	98.810	66.560,688	2.043.822,697	30,706	30,244	66	58	76.104	14.915,278	177.598,971	11,907	11,445
17	9	98.762	64.906,154	1.977.262,009	30,463	30,001	67	59	74.288	14.204,320	162.683,693	11,453	10,991
18	10	98.706	63.286,891	1.912.355,855	30,217	29,755	68	60	72.327	13.492,095	148.479,373	11,005	10,542
19	11	98.623	61.691,288	1.849.068,964	29,973	29,511	69	61	70.229	12.781,108	134.987,278	10,561	10,099
20	12	98.534	60.132,508	1.787.377,676	29,724	29,262	70	62	68.035	12.079,902	122.206,170	10,116	9,654
21	13	98.451	58.616,281	1.727.245,168	29,467	29,005	71	63	65.679	11.377,128	110.126,268	9,680	9,217
22	14	98.364	57.136,240	1.668.628,886	29,204	28,742	72	64	63.178	10.676,981	98.749,140	9,249	8,786
23	15	98.279	55.694,155	1.611.492,646	28,935	28,472	73	65	60.508	9.976,358	88.072,159	8,828	8,366
24	16	98.188	54.285,786	1.555.798,492	28,659	28,197	74	66	57.686	9.279,132	78.095,801	8,416	7,954
25	17	98.096	52.912,106	1.501.512,706	28,377	27,915	75	67	54.737	8.589,960	68.816,669	8,011	7,549
26	18	98.003	51.572,458	1.448.600,600	28,089	27,626	76	68	51.676	7.911,727	60.226,709	7,612	7,150
27	19	97.905	50.264,150	1.397.028,141	27,794	27,331	77	69	48.536	7.249,821	52.314,982	7,216	6,754
28	20	97.807	48.989,542	1.346.763,991	27,491	27,028	78	70	45.294	6.600,548	45.065,162	6,827	6,365
29	21	97.705	47.744,459	1.297.774,449	27,182	26,719	79	71	41.940	5.962,686	38.464,614	6,451	5,988
30	22	97.612	46.535,810	1.250.029,989	26,862	26,399	80	72	38.512	5.341,835	32.501,928	6,084	5,622
31	23	97.514	45.355,339	1.203.494,180	26,535	26,072	81	73	35.007	4.737,254	27.160,093	5,733	5,271
32	24	97.412	44.202,633	1.158.138,841	26,201	25,738	82	74	31.478	4.155,823	22.422,839	5,396	4,933
33	25	97.306	43.077,484	1.113.936,208	25,859	25,396	83	75	27.875	3.590,271	18.267,016	5,088	4,626
34	26	97.196	41.979,615	1.070.858,724	25,509	25,047	84	76	24.385	3.064,232	14.676,746	4,790	4,327
35	27	97.076	40.905,150	1.028.879,109	25,153	24,690	85	77	21.068	2.582,860	11.612,514	4,496	4,034
36	28	96.946	39.854,083	987.973,959	24,790	24,327	86	78	18.014	2.154,589	9.029,654	4,191	3,728
37	29	96.808	38.826,612	948.119,876	24,419	23,957	87	79	15.049	1.756,005	6.875,065	3,915	3,453
38	30	96.663	37.822,784	909.293,264	24,041	23,578	88	80	12.251	1.394,658	5.119,060	3,670	3,208
39	31	96.498	36.837,364	871.470,480	23,657	23,195	89	81	9.725	1.080,142	3.724,401	3,448	2,986
40	32	96.315	35.870,682	834.633,116	23,268	22,805	90	82	7.532	816,146	2.644,260	3,240	2,778
41	33	96.115	34.923,096	798.762,433	22,872	22,410	91	83	5.678	600,287	1.828,113	3,045	2,583
42	34	95.894	33.993,000	763.839,337	22,470	22,008	92	84	4.150	428,038	1.227,826	2,868	2,406
43	35	95.638	33.075,245	729.846,337	22,066	21,604	93	85	2.939	295,743	799,789	2,704	2,242
44	36	95.352	32.172,171	696.771,092	21,658	21,195	94	86	2.019	198,225	504,046	2,543	2,080
45	37	95.043	31.285,575	664.598,922	21,243	20,781	95	87	1.333	127,657	305,821	2,396	1,933
46	38	94.692	30.409,933	633.313,347	20,826	20,363	96	88	841	78,603	178,164	2,267	1,804
47	39	94.305	29.546,843	602.903,414	20,405	19,943	97	89	509	46,383	99,561	2,147	1,684
48	40	93.876	28.695,165	573.356,571	19,981	19,519	98	90	293	26,099	53,178	2,038	1,575
49	41	93.411	27.856,737	544.661,405	19,552	19,090	99	91	161	14,006	27,079	1,933	1,471
							100	92	84	7,081	13,074	1,846	1,384

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 9 Jahre

Zinsfuß 2,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	41	92.992	27.055,324	519.571,743	19,204	18,742
1							51	42	92.440	26.238,677	492.516,419	18,771	18,308
2							52	43	91.857	25.437,447	466.277,741	18,330	17,868
3							53	44	91.200	24.639,449	440.840,294	17,892	17,429
4							54	45	90.501	23.854,139	416.200,845	17,448	16,985
5							55	46	89.744	23.077,651	392.346,706	17,001	16,539
6							56	47	88.912	22.306,116	369.269,055	16,555	16,092
7							57	48	88.044	21.549,650	346.962,939	16,101	15,638
8							58	49	87.097	20.797,948	325.413,289	15,646	15,184
9	0	99.403	79.594,584	2.562.924,862	32,200	31,737	59	50	86.060	20.048,941	304.615,341	15,194	14,731
10	1	99.016	77.351,169	2.483.330,277	32,105	31,642	60	51	84.940	19.305,444	284.566,400	14,740	14,278
11	2	98.971	75.430,440	2.405.979,108	31,897	31,434	61	52	83.750	18.570,814	265.260,957	14,284	13,821
12	3	98.937	73.565,493	2.330.548,669	31,680	31,217	62	53	82.494	17.846,133	246.690,143	13,823	13,361
13	4	98.908	71.749,523	2.256.983,175	31,456	30,994	63	54	81.126	17.122,106	228.844,010	13,365	12,903
14	5	98.882	69.981,419	2.185.233,653	31,226	30,763	64	55	79.676	16.405,836	211.721,904	12,905	12,443
15	6	98.851	68.253,035	2.115.252,234	30,991	30,529	65	56	78.121	15.693,441	195.316,068	12,446	11,983
16	7	98.818	66.566,485	2.046.999,199	30,751	30,289	66	57	76.445	14.982,145	179.622,627	11,989	11,527
17	8	98.772	64.912,385	1.980.432,713	30,509	30,047	67	58	74.648	14.273,054	164.640,483	11,535	11,073
18	9	98.712	63.290,981	1.915.520,329	30,265	29,803	68	59	72.697	13.561,036	150.367,429	11,088	10,626
19	10	98.631	61.696,476	1.852.229,348	30,022	29,559	69	60	70.617	12.851,848	136.806,392	10,645	10,182
20	11	98.543	60.138,148	1.790.532,871	29,774	29,311	70	61	68.420	12.148,264	123.954,545	10,203	9,741
21	12	98.459	58.621,260	1.730.394,724	29,518	29,056	71	62	66.095	11.449,176	111.806,280	9,765	9,303
22	13	98.374	57.141,777	1.671.773,464	29,257	28,794	72	63	63.611	10.750,102	100.357,104	9,335	8,873
23	14	98.290	55.700,645	1.614.631,687	28,988	28,525	73	64	60.954	10.049,851	89.607,003	8,916	8,454
24	15	98.206	54.295,487	1.558.931,042	28,712	28,250	74	65	58.161	9.355,542	79.557,152	8,504	8,041
25	16	98.117	52.923,314	1.504.635,555	28,430	27,968	75	66	55.237	8.668,467	70.201,610	8,099	7,636
26	17	98.024	51.583,808	1.451.712,241	28,143	27,680	76	67	52.206	7.992,975	61.533,143	7,698	7,236
27	18	97.933	50.278,610	1.400.128,433	27,847	27,385	77	68	49.098	7.333,700	53.540,168	7,301	6,838
28	19	97.834	49.003,126	1.349.849,823	27,546	27,084	78	69	45.879	6.685,847	46.206,467	6,911	6,449
29	20	97.735	47.759,544	1.300.846,697	27,237	26,775	79	70	42.545	6.048,659	39.520,620	6,534	6,071
30	21	97.636	46.547,198	1.253.087,153	26,921	26,458	80	71	39.147	5.429,865	33.471,961	6,164	5,702
31	22	97.541	45.367,622	1.206.539,954	26,595	26,132	81	72	35.650	4.824,231	28.042,096	5,813	5,350
32	23	97.437	44.214,169	1.161.172,332	26,262	25,800	82	73	32.133	4.242,247	23.217,865	5,473	5,011
33	24	97.332	43.089,190	1.116.958,164	25,922	25,460	83	74	28.524	3.673,895	18.975,618	5,165	4,703
34	25	97.220	41.989,947	1.073.868,974	25,574	25,112	84	75	25.034	3.145,794	15.301,723	4,864	4,402
35	26	97.104	40.916,605	1.031.879,026	25,219	24,757	85	76	21.696	2.659,858	12.155,929	4,570	4,108
36	27	96.975	39.865,701	990.962,421	24,858	24,395	86	77	18.620	2.227,041	9.496,071	4,264	3,802
37	28	96.837	38.838,140	951.096,720	24,489	24,026	87	78	15.628	1.823,591	7.269,030	3,986	3,524
38	29	96.691	37.833,858	912.258,580	24,112	23,650	88	79	12.789	1.455,903	5.445,439	3,740	3,278
39	30	96.530	36.849,429	874.424,722	23,730	23,267	89	80	10.223	1.135,454	3.989,536	3,514	3,051
40	31	96.349	35.883,500	837.575,292	23,342	22,879	90	81	7.977	864,327	2.854,082	3,302	2,840
41	32	96.149	34.935,518	801.691,792	22,948	22,485	91	82	6.071	641,760	1.989,754	3,100	2,638
42	33	95.932	34.006,589	766.756,274	22,547	22,085	92	83	4.471	461,078	1.347,994	2,924	2,461
43	34	95.683	33.090,758	732.749,685	22,144	21,681	93	84	3.196	321,586	886,917	2,758	2,296
44	35	95.401	32.188,650	699.658,927	21,736	21,274	94	85	2.211	217,072	565,331	2,604	2,142
45	36	95.096	31.303,276	667.470,277	21,323	20,860	95	86	1.482	141,970	348,259	2,453	1,991
46	37	94.750	30.428,593	636.167,002	20,907	20,444	96	87	954	89,107	206,289	2,315	1,853
47	38	94.371	29.567,526	605.738,409	20,487	20,024	97	88	586	53,408	117,183	2,194	1,732
48	39	93.951	28.718,147	576.170,883	20,063	19,601	98	89	345	30,641	63,775	2,081	1,619
49	40	93.493	27.880,993	547.452,736	19,635	19,173	99	90	193	16,742	33,135	1,979	1,517
							100	91	103	8,714	16,392	1,881	1,419

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 10 Jahre

Zinsfuß 2,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	40	93.073	27.078,882	522.110,569	19,281	18,819
1							51	41	92.531	26.264,640	495.031,687	18,848	18,385
2							52	42	91.961	25.466,088	468.767,047	18,408	17,945
3							53	43	91.319	24.671,473	443.300,959	17,968	17,506
4							54	44	90.627	23.887,391	418.629,486	17,525	17,063
5							55	45	89.886	23.114,311	394.742,096	17,078	16,615
6							56	46	89.072	22.346,249	371.627,785	16,630	16,168
7							57	47	88.216	21.591,638	349.281,536	16,177	15,714
8							58	48	87.282	20.842,132	327.689,898	15,722	15,260
9							59	49	86.267	20.097,310	306.847,766	15,268	14,806
10	0	99.393	77.645,986	2.486.617,049	32,025	31,563	60	50	85.155	19.354,345	286.750,456	14,816	14,353
11	1	99.007	75.457,464	2.408.971,063	31,925	31,462	61	51	83.984	18.622,533	267.396,111	14,359	13,896
12	2	98.957	73.580,041	2.333.513,599	31,714	31,252	62	52	82.744	17.900,249	248.773,578	13,898	13,435
13	3	98.924	71.761,840	2.259.933,557	31,492	31,030	63	53	81.383	17.176,341	230.873,329	13,441	12,979
14	4	98.895	69.990,458	2.188.171,717	31,264	30,801	64	54	79.954	16.463,098	213.696,988	12,980	12,518
15	5	98.864	68.261,959	2.118.181,259	31,030	30,568	65	55	78.418	15.753,095	197.233,889	12,520	12,058
16	6	98.827	66.572,620	2.049.919,300	30,792	30,330	66	56	76.753	15.042,536	181.480,794	12,065	11,602
17	7	98.780	64.918,038	1.983.346,680	30,552	30,089	67	57	74.982	14.337,041	166.438,258	11,609	11,147
18	8	98.722	63.297,057	1.918.428,642	30,308	29,846	68	58	73.049	13.626,657	152.101,217	11,162	10,700
19	9	98.637	61.700,463	1.855.131,585	30,067	29,604	69	59	70.978	12.917,518	138.474,559	10,720	10,257
20	10	98.552	60.143,205	1.793.431,122	29,819	29,357	70	60	68.799	12.215,501	125.557,041	10,279	9,816
21	11	98.468	58.626,758	1.733.287,917	29,565	29,102	71	61	66.469	11.513,969	113.341,540	9,844	9,381
22	12	98.382	57.146,630	1.674.661,159	29,305	28,842	72	62	64.014	10.818,179	101.827,571	9,413	8,950
23	13	98.299	55.706,043	1.617.514,529	29,037	28,574	73	63	61.371	10.118,676	91.009,392	8,994	8,532
24	14	98.217	54.301,814	1.561.808,486	28,762	28,299	74	64	58.590	9.424,461	80.890,715	8,583	8,121
25	15	98.134	52.932,772	1.507.506,672	28,480	28,017	75	65	55.692	8.739,848	71.466,254	8,177	7,715
26	16	98.045	51.594,734	1.454.573,900	28,192	27,730	76	66	52.683	8.066,026	62.726,405	7,777	7,314
27	17	97.954	50.289,675	1.402.979,166	27,898	27,436	77	67	49.602	7.409,013	54.660,379	7,378	6,915
28	18	97.863	49.017,223	1.352.689,491	27,596	27,134	78	68	46.410	6.763,202	47.251,366	6,987	6,524
29	19	97.763	47.772,787	1.303.672,268	27,289	26,827	79	69	43.094	6.126,826	40.488,164	6,608	6,146
30	20	97.667	46.561,905	1.255.899,481	26,973	26,510	80	70	39.711	5.508,155	34.361,339	6,238	5,776
31	21	97.565	45.378,725	1.209.337,576	26,650	26,187	81	71	36.238	4.903,731	28.853,183	5,884	5,422
32	22	97.464	44.226,143	1.163.958,851	26,318	25,856	82	72	32.723	4.320,136	23.949,452	5,544	5,081
33	23	97.357	43.100,435	1.119.732,708	25,980	25,517	83	73	29.117	3.750,297	19.629,316	5,234	4,772
34	24	97.247	42.001,358	1.076.632,273	25,633	25,171	84	74	25.617	3.219,066	15.879,019	4,933	4,470
35	25	97.127	40.926,676	1.034.630,915	25,280	24,818	85	75	22.274	2.730,657	12.659,953	4,636	4,174
36	26	97.002	39.876,865	993.704,239	24,919	24,457	86	76	19.175	2.293,432	9.929,296	4,329	3,867
37	27	96.865	38.849,462	953.827,374	24,552	24,089	87	77	16.154	1.884,912	7.635,864	4,051	3,589
38	28	96.720	37.845,091	914.977,912	24,177	23,715	88	78	13.281	1.511,938	5.750,952	3,804	3,341
39	29	96.558	36.860,219	877.132,821	23,796	23,334	89	79	10.672	1.185,316	4.239,014	3,576	3,114
40	30	96.381	35.895,253	840.272,602	23,409	22,947	90	80	8.385	908,589	3.053,698	3,361	2,899
41	31	96.184	34.948,002	804.377,349	23,016	22,554	91	81	6.429	679,646	2.145,109	3,156	2,694
42	32	95.967	34.018,685	769.429,347	22,618	22,155	92	82	4.780	492,933	1.465,463	2,973	2,511
43	33	95.721	33.103,986	735.410,662	22,215	21,753	93	83	3.443	346,409	972,530	2,807	2,345
44	34	95.446	32.203,747	702.306,676	21,808	21,346	94	84	2.405	236,040	626,121	2,653	2,190
45	35	95.145	31.319,310	670.102,929	21,396	20,933	95	85	1.623	155,468	390,081	2,509	2,047
46	36	94.804	30.445,808	638.783,619	20,981	20,519	96	86	1.061	99,097	234,612	2,368	1,905
47	37	94.428	29.585,668	608.337,810	20,562	20,099	97	87	664	60,544	135,515	2,238	1,776
48	38	94.017	28.738,250	578.752,142	20,139	19,676	98	88	397	35,281	74,971	2,125	1,663
49	39	93.568	27.903,323	550.013,892	19,711	19,249	99	89	227	19,656	39,690	2,019	1,557
							100	90	123	10,417	20,034	1,923	1,461

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 11 Jahre

Zinsfuß 2,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	39	93.148	27.100,569	524.438,930	19,352	18,889
1							51	40	92.612	26.287,509	497.338,360	18,919	18,457
2							52	41	92.052	25.491,286	471.050,851	18,479	18,016
3							53	42	91.422	24.699,252	445.559,565	18,039	17,577
4							54	43	90.745	23.918,437	420.860,313	17,596	17,133
5							55	44	90.012	23.146,531	396.941,876	17,149	16,687
6							56	45	89.213	22.381,747	373.795,345	16,701	16,238
7							57	46	88.374	21.630,486	351.413,598	16,246	15,784
8							58	47	87.452	20.882,741	329.783,112	15,792	15,330
9							59	48	86.451	20.140,005	308.900,371	15,338	14,875
10							60	49	85.360	19.401,038	288.760,366	14,884	14,421
11	0	99.384	75.745,063	2.412.006,720	31,844	31,381	61	50	84.196	18.669,704	269.359,328	14,428	13,965
12	1	98.992	73.606,403	2.336.261,657	31,740	31,278	62	51	82.975	17.950,101	250.689,624	13,966	13,503
13	2	98.944	71.776,031	2.262.655,254	31,524	31,061	63	52	81.630	17.228,426	232.739,522	13,509	13,047
14	3	98.912	70.002,474	2.190.879,223	31,297	30,835	64	53	80.207	16.515,246	215.511,096	13,049	12,587
15	4	98.876	68.270,776	2.120.876,749	31,066	30,603	65	54	78.692	15.808,080	198.995,850	12,588	12,126
16	5	98.840	66.581,323	2.052.605,973	30,829	30,366	66	55	77.045	15.099,717	183.187,771	12,132	11,669
17	6	98.790	64.924,021	1.986.024,650	30,590	30,128	67	56	75.285	14.394,832	168.088,054	11,677	11,215
18	7	98.730	63.302,570	1.921.100,629	30,348	29,885	68	57	73.376	13.687,747	153.693,221	11,229	10,766
19	8	98.647	61.706,386	1.857.798,059	30,107	29,645	69	58	71.322	12.980,025	140.005,474	10,786	10,324
20	9	98.558	60.147,092	1.796.091,672	29,862	29,399	70	59	69.151	12.277,920	127.025,450	10,346	9,883
21	10	98.477	58.631,688	1.735.944,580	29,608	29,145	71	60	66.837	11.577,696	114.747,530	9,911	9,449
22	11	98.391	57.151,990	1.677.312,892	29,348	28,886	72	61	64.376	10.879,401	103.169,834	9,483	9,021
23	12	98.308	55.710,774	1.620.160,903	29,082	28,619	73	62	61.760	10.182,755	92.290,433	9,063	8,601
24	13	98.227	54.307,076	1.564.450,128	28,807	28,345	74	63	58.991	9.489,004	82.107,677	8,653	8,191
25	14	98.146	52.938,940	1.510.143,052	28,526	28,064	75	64	56.102	8.804,232	72.618,673	8,248	7,786
26	15	98.063	51.603,954	1.457.204,112	28,238	27,776	76	65	53.117	8.132,447	63.814,441	7,847	7,384
27	16	97.975	50.300,327	1.405.600,158	27,944	27,482	77	66	50.055	7.476,727	55.681,994	7,447	6,985
28	17	97.884	49.028,010	1.355.299,831	27,643	27,181	78	67	46.887	6.832,656	48.205,268	7,055	6,593
29	18	97.791	47.786,530	1.306.271,820	27,336	26,873	79	68	43.593	6.197,713	41.372,612	6,675	6,213
30	19	97.694	46.574,816	1.258.485,290	27,021	26,558	80	69	40.225	5.579,338	35.174,899	6,304	5,842
31	20	97.595	45.393,062	1.211.910,474	26,698	26,236	81	70	36.760	4.974,436	29.595,562	5,950	5,487
32	21	97.488	44.236,966	1.166.517,411	26,370	25,907	82	71	33.262	4.391,329	24.621,126	5,607	5,144
33	22	97.384	43.112,107	1.122.280,445	26,032	25,569	83	72	29.652	3.819,153	20.229,797	5,297	4,835
34	23	97.272	42.012,319	1.079.168,338	25,687	25,225	84	73	26.150	3.286,010	16.410,644	4,994	4,532
35	24	97.154	40.937,798	1.037.156,019	25,335	24,873	85	74	22.793	2.794,259	13.124,634	4,697	4,235
36	25	97.026	39.886,680	996.218,221	24,976	24,514	86	75	19.686	2.354,478	10.330,375	4,388	3,925
37	26	96.892	38.860,342	956.331,541	24,609	24,147	87	76	16.635	1.941,104	7.975,897	4,109	3,647
38	27	96.748	37.856,124	917.471,199	24,236	23,773	88	77	13.728	1.562,779	6.034,793	3,862	3,399
39	28	96.587	36.871,163	879.615,076	23,856	23,394	89	78	11.083	1.230,937	4.472,014	3,633	3,171
40	29	96.409	35.905,763	842.743,913	23,471	23,009	90	79	8.753	948,488	3.241,077	3,417	2,955
41	30	96.215	34.959,448	806.838,150	23,079	22,617	91	80	6.758	714,450	2.292,589	3,209	2,746
42	31	96.001	34.030,841	771.878,702	22,682	22,219	92	81	5.062	522,033	1.578,139	3,023	2,561
43	32	95.755	33.115,761	737.847,861	22,281	21,818	93	82	3.681	370,342	1.056,105	2,852	2,389
44	33	95.484	32.216,620	704.732,100	21,875	21,412	94	83	2.590	254,260	685,764	2,697	2,235
45	34	95.190	31.334,000	672.515,479	21,463	21,000	95	84	1.765	169,054	431,504	2,552	2,090
46	35	94.852	30.461,403	641.181,479	21,049	20,587	96	85	1.161	108,519	262,450	2,418	1,956
47	36	94.482	29.602,407	610.720,076	20,631	20,168	97	86	739	67,332	153,931	2,286	1,824
48	37	94.075	28.755,884	581.117,669	20,209	19,746	98	87	450	39,996	86,598	2,165	1,703
49	38	93.633	27.922,856	552.361,785	19,782	19,319	99	88	261	22,633	46,603	2,059	1,597
							100	89	144	12,229	23,970	1,960	1,498

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 12 Jahre

Zinsfuß 2,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	38	93.213	27.119,540	526.572,641	19,417	18,954
1							51	39	92.686	26.308,563	499.453,101	18,984	18,522
2							52	40	92.132	25.513,482	473.144,538	18,545	18,082
3							53	41	91.512	24.723,691	447.631,056	18,105	17,643
4							54	42	90.847	23.945,368	422.907,365	17,661	17,199
5							55	43	90.129	23.176,614	398.961,997	17,214	16,752
6							56	44	89.338	22.412,946	375.785,383	16,766	16,304
7							57	45	88.515	21.664,847	353.372,437	16,311	15,848
8							58	46	87.610	20.920,314	331.707,590	15,856	15,393
9							59	47	86.619	20.179,247	310.787,276	15,401	14,939
10							60	48	85.542	19.442,254	290.608,029	14,947	14,485
11							61	49	84.399	18.714,745	271.165,775	14,489	14,027
12	0	99.370	73.886,947	2.339.065,770	31,657	31,195	62	50	83.185	17.995,569	252.451,030	14,029	13,566
13	1	98.980	71.801,747	2.265.178,824	31,548	31,085	63	51	81.857	17.276,407	234.455,460	13,571	13,108
14	2	98.931	70.016,317	2.193.377,077	31,327	30,864	64	52	80.450	16.565,326	217.179,053	13,110	12,648
15	3	98.893	68.282,497	2.123.360,760	31,097	30,634	65	53	78.941	15.858,152	200.613,727	12,651	12,188
16	4	98.853	66.589,924	2.055.078,263	30,862	30,399	66	54	77.314	15.152,421	184.755,575	12,193	11,731
17	5	98.802	64.932,509	1.988.488,339	30,624	30,162	67	55	75.571	14.449,551	169.603,154	11,738	11,275
18	6	98.740	63.308,404	1.923.555,830	30,384	29,921	68	56	73.672	13.742,921	155.153,603	11,290	10,827
19	7	98.656	61.711,761	1.860.247,427	30,144	29,682	69	57	71.642	13.038,215	141.410,682	10,846	10,383
20	8	98.567	60.152,866	1.798.535,666	29,899	29,437	70	58	69.485	12.337,332	128.372,467	10,405	9,943
21	9	98.483	58.635,477	1.738.382,800	29,647	29,185	71	59	67.178	11.636,855	116.035,135	9,971	9,509
22	10	98.400	57.156,796	1.679.747,323	29,388	28,926	72	60	64.732	10.939,616	104.398,280	9,543	9,081
23	11	98.317	55.715,999	1.622.590,527	29,123	28,660	73	61	62.110	10.240,382	93.458,664	9,126	8,664
24	12	98.235	54.311,689	1.566.874,528	28,850	28,387	74	62	59.365	9.549,095	83.218,283	8,715	8,252
25	13	98.155	52.944,070	1.512.562,839	28,569	28,107	75	63	56.487	8.864,527	73.669,187	8,311	7,848
26	14	98.074	51.609,968	1.459.618,769	28,282	27,819	76	64	53.508	8.192,356	64.804,660	7,910	7,448
27	15	97.992	50.309,316	1.408.008,801	27,987	27,525	77	65	50.467	7.538,295	56.612,304	7,510	7,048
28	16	97.905	49.038,395	1.357.699,485	27,686	27,224	78	66	47.315	6.895,102	49.074,009	7,117	6,655
29	17	97.812	47.797,047	1.308.661,090	27,380	26,917	79	67	44.041	6.261,359	42.178,907	6,736	6,274
30	18	97.722	46.588,215	1.260.864,043	27,064	26,602	80	68	40.690	5.643,890	35.917,548	6,364	5,902
31	19	97.622	45.405,649	1.214.275,829	26,743	26,280	81	69	37.235	5.038,721	30.273,658	6,008	5,546
32	20	97.518	44.250,943	1.168.870,179	26,415	25,952	82	70	33.742	4.454,645	25.234,937	5,665	5,202
33	21	97.408	43.122,658	1.124.619,236	26,080	25,617	83	71	30.140	3.882,091	20.780,292	5,353	4,890
34	22	97.298	42.023,697	1.081.496,578	25,735	25,273	84	72	26.630	3.346,341	16.898,202	5,050	4,587
35	23	97.179	40.948,482	1.039.472,881	25,385	24,922	85	73	23.267	2.852,369	13.551,860	4,751	4,289
36	24	97.052	39.897,519	998.524,400	25,027	24,565	86	74	20.144	2.409,318	10.699,492	4,441	3,978
37	25	96.916	38.869,906	958.626,881	24,662	24,200	87	75	17.078	1.992,772	8.290,174	4,160	3,698
38	26	96.775	37.866,725	919.756,974	24,289	23,827	88	76	14.137	1.609,368	6.297,402	3,913	3,451
39	27	96.615	36.881,911	881.890,250	23,911	23,449	89	77	11.456	1.272,329	4.688,034	3,685	3,222
40	28	96.438	35.916,424	845.008,338	23,527	23,065	90	78	9.090	984,994	3.415,705	3,468	3,005
41	29	96.243	34.969,684	809.091,915	23,137	22,675	91	79	7.055	745,824	2.430,711	3,259	2,797
42	30	96.032	34.041,987	774.122,230	22,740	22,278	92	80	5.321	548,766	1.684,887	3,070	2,608
43	31	95.789	33.127,595	740.080,244	22,340	21,878	93	81	3.898	392,205	1.136,121	2,897	2,434
44	32	95.518	32.228,080	706.952,649	21,936	21,474	94	82	2.769	271,827	743,916	2,737	2,274
45	33	95.228	31.346,525	674.724,569	21,525	21,062	95	83	1.901	182,103	472,090	2,592	2,130
46	34	94.897	30.475,691	643.378,044	21,111	20,649	96	84	1.263	118,002	289,987	2,457	1,995
47	35	94.530	29.617,570	612.902,353	20,694	20,231	97	85	809	73,734	171,985	2,332	1,870
48	36	94.128	28.772,153	583.284,783	20,273	19,810	98	86	500	44,480	98,250	2,209	1,746
49	37	93.691	27.939,989	554.512,630	19,847	19,384	99	87	296	25,657	53,771	2,096	1,633
							100	88	166	14,082	28,114	1,996	1,534

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 13 Jahre

Zinsfuß 2,50%

Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	37	93.270	27.136,180	528.526,781	19,477	19,014
1							51	38	92.751	26.326,979	501.390,601	19,045	18,582
2							52	39	92.206	25.533,916	475.063,622	18,605	18,143
3							53	40	91.592	24.745,219	449.529,706	18,166	17,704
4							54	41	90.937	23.969,061	424.784,487	17,722	17,260
5							55	42	90.230	23.202,710	400.815,426	17,275	16,812
6							56	43	89.454	22.442,076	377.612,717	16,826	16,364
7							57	44	88.638	21.695,046	355.170,640	16,371	15,909
8							58	45	87.749	20.953,546	333.475,594	15,915	15,453
9							59	46	86.775	20.215,554	312.522,048	15,459	14,997
10							60	47	85.709	19.480,136	292.306,494	15,005	14,543
11							61	48	84.579	18.754,504	272.826,358	14,547	14,085
12							62	49	83.386	18.038,984	254.071,854	14,085	13,622
13	0	99.357	72.075,412	2.267.769,754	31,464	31,001	63	50	82.065	17.320,169	236.032,870	13,628	13,165
14	1	98.967	70.041,402	2.195.694,342	31,349	30,886	64	51	80.674	16.611,460	218.712,701	13,166	12,704
15	2	98.913	68.296,000	2.125.652,940	31,124	30,662	65	52	79.181	15.906,240	202.101,241	12,706	12,243
16	3	98.870	66.601,356	2.057.356,940	30,891	30,428	66	53	77.559	15.200,416	186.195,001	12,249	11,787
17	4	98.815	64.940,897	1.990.755,584	30,655	30,192	67	54	75.834	14.499,985	170.994,584	11,793	11,330
18	5	98.752	63.316,681	1.925.814,688	30,416	29,953	68	55	73.952	13.795,161	156.494,599	11,344	10,882
19	6	98.665	61.717,448	1.862.498,007	30,178	29,715	69	56	71.930	13.090,771	142.699,438	10,901	10,438
20	7	98.576	60.158,105	1.800.780,560	29,934	29,472	70	57	69.797	12.392,641	129.608,667	10,459	9,996
21	8	98.493	58.641,106	1.740.622,455	29,683	29,220	71	58	67.504	11.693,165	117.216,025	10,024	9,562
22	9	98.406	57.160,490	1.681.981,348	29,426	28,963	72	59	65.063	10.995,515	105.522,860	9,597	9,134
23	10	98.325	55.720,685	1.624.820,859	29,160	28,698	73	60	62.453	10.297,059	94.527,346	9,180	8,718
24	11	98.244	54.316,782	1.569.100,174	28,888	28,426	74	61	59.701	9.603,136	84.230,286	8,771	8,309
25	12	98.164	52.948,567	1.514.783,392	28,609	28,146	75	62	56.844	8.920,664	74.627,151	8,366	7,903
26	13	98.084	51.614,969	1.461.834,825	28,322	27,859	76	63	53.875	8.248,461	65.706,487	7,966	7,503
27	14	98.004	50.315,179	1.410.219,856	28,028	27,565	77	64	50.839	7.593,827	57.458,026	7,566	7,104
28	15	97.922	49.047,159	1.359.904,677	27,726	27,264	78	65	47.705	6.951,880	49.864,199	7,173	6,710
29	16	97.833	47.807,171	1.310.857,518	27,420	26,957	79	66	44.443	6.318,584	42.912,319	6,791	6,329
30	17	97.743	46.598,467	1.263.050,347	27,105	26,643	80	67	41.108	5.701,849	36.593,734	6,418	5,955
31	18	97.651	45.418,711	1.216.451,880	26,783	26,321	81	68	37.666	5.097,018	30.891,885	6,061	5,598
32	19	97.545	44.263,213	1.171.033,169	26,456	25,994	82	69	34.178	4.512,213	25.794,867	5,717	5,254
33	20	97.438	43.136,283	1.126.769,956	26,121	25,659	83	70	30.575	3.938,064	21.282,654	5,404	4,942
34	21	97.322	42.033,981	1.083.633,673	25,780	25,318	84	71	27.069	3.401,487	17.344,590	5,099	4,637
35	22	97.205	40.959,571	1.041.599,691	25,430	24,968	85	72	23.694	2.904,739	13.943,103	4,800	4,338
36	23	97.077	39.907,931	1.000.640,120	25,074	24,611	86	73	20.563	2.459,422	11.038,364	4,488	4,026
37	24	96.943	38.880,469	960.732,189	24,710	24,247	87	74	17.476	2.039,187	8.578,942	4,207	3,745
38	25	96.799	37.876,045	921.851,720	24,339	23,876	88	75	14.513	1.652,206	6.539,755	3,958	3,496
39	26	96.642	36.892,240	883.975,675	23,961	23,499	89	76	11.797	1.310,259	4.887,550	3,730	3,268
40	27	96.466	35.926,894	847.083,435	23,578	23,116	90	77	9.396	1.018,116	3.577,290	3,514	3,051
41	28	96.272	34.980,067	811.156,542	23,189	22,727	91	78	7.327	774,530	2.559,175	3,304	2,842
42	29	96.060	34.051,954	776.176,474	22,794	22,331	92	79	5.555	572,864	1.784,645	3,115	2,653
43	30	95.820	33.138,445	742.124,520	22,395	21,932	93	80	4.098	412,289	1.211,781	2,939	2,477
44	31	95.552	32.239,596	708.986,076	21,991	21,529	94	81	2.933	287,874	799,492	2,777	2,315
45	32	95.262	31.357,675	676.746,479	21,582	21,119	95	82	2.033	194,684	511,618	2,628	2,166
46	33	94.935	30.487,873	645.388,804	21,169	20,706	96	83	1.360	127,110	316,934	2,493	2,031
47	34	94.575	29.631,462	614.900,931	20,752	20,289	97	84	880	80,178	189,823	2,368	1,905
48	35	94.176	28.786,891	585.269,469	20,331	19,869	98	85	548	48,709	109,646	2,251	1,789
49	36	93.744	27.955,797	556.482,578	19,906	19,443	99	86	329	28,533	60,937	2,136	1,673
							100	87	189	15,963	32,403	2,030	1,567

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 14 Jahre

Zinsfuß 2,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	36	93.323	27.151,533	530.316,312	19,532	19,069
1							51	37	92.808	26.343,133	503.164,779	19,100	18,638
2							52	38	92.270	25.551,790	476.821,645	18,661	18,199
3							53	39	91.665	24.765,037	451.269,856	18,222	17,760
4							54	40	91.016	23.989,932	426.504,819	17,778	17,316
5							55	41	90.319	23.225,668	402.514,887	17,331	16,868
6							56	42	89.555	22.467,345	379.289,219	16,882	16,419
7							57	43	88.753	21.723,244	356.821,874	16,426	15,963
8							58	44	87.871	20.982,755	335.098,630	15,970	15,508
9							59	45	86.913	20.247,667	314.115,876	15,514	15,051
10							60	46	85.863	19.515,185	293.868,209	15,058	14,596
11							61	47	84.744	18.791,046	274.353,024	14,600	14,138
12							62	48	83.563	18.077,307	255.561,979	14,137	13,675
13							63	49	82.263	17.361,954	237.484,672	13,678	13,216
14	0	99.344	70.308,358	2.198.089,195	31,264	30,801	64	50	80.879	16.653,538	220.122,718	13,218	12,755
15	1	98.948	68.320,468	2.127.780,837	31,144	30,682	65	51	79.401	15.950,539	203.469,180	12,756	12,294
16	2	98.890	66.614,526	2.059.460,369	30,916	30,454	66	52	77.794	15.246,510	187.518,641	12,299	11,837
17	3	98.832	64.952,045	1.992.845,843	30,682	30,219	67	53	76.075	14.545,915	172.272,131	11,843	11,381
18	4	98.765	63.324,859	1.927.893,797	30,445	29,982	68	54	74.210	13.843,312	157.726,217	11,394	10,931
19	5	98.678	61.725,517	1.864.568,938	30,207	29,745	69	55	72.204	13.140,533	143.882,905	10,950	10,487
20	6	98.585	60.163,649	1.802.843,422	29,966	29,503	70	56	70.078	12.442,595	130.742,373	10,508	10,045
21	7	98.501	58.646,214	1.742.679,773	29,715	29,253	71	57	67.806	11.745,587	118.299,778	10,072	9,609
22	8	98.415	57.165,977	1.684.033,559	29,459	28,996	72	58	65.378	11.048,721	106.554,191	9,644	9,182
23	9	98.332	55.724,286	1.626.867,582	29,195	28,733	73	59	62.772	10.349,675	95.505,470	9,228	8,765
24	10	98.252	54.321,350	1.571.143,296	28,923	28,461	74	60	60.031	9.656,286	85.155,795	8,819	8,356
25	11	98.173	52.953,533	1.516.821,946	28,644	28,182	75	61	57.166	8.971,148	75.499,509	8,416	7,953
26	12	98.092	51.619,353	1.463.868,413	28,359	27,896	76	62	54.216	8.300,696	66.528,361	8,015	7,552
27	13	98.013	50.320,054	1.412.249,060	28,065	27,603	77	63	51.187	7.645,833	58.227,665	7,616	7,153
28	14	97.934	49.052,874	1.361.929,006	27,765	27,302	78	64	48.056	7.003,093	50.581,832	7,223	6,760
29	15	97.850	47.815,714	1.312.876,131	27,457	26,995	79	65	44.809	6.370,615	43.578,740	6,841	6,378
30	16	97.764	46.608,338	1.265.060,417	27,142	26,680	80	66	41.484	5.753,960	37.208,124	6,467	6,004
31	17	97.672	45.428,706	1.218.452,079	26,821	26,359	81	67	38.053	5.149,361	31.454,164	6,108	5,646
32	18	97.573	44.275,946	1.173.023,373	26,493	26,031	82	68	34.573	4.564,419	26.304,803	5,763	5,301
33	19	97.465	43.148,244	1.128.747,427	26,160	25,697	83	69	30.970	3.988,956	21.740,384	5,450	4,988
34	20	97.353	42.047,262	1.085.599,182	25,819	25,356	84	70	27.459	3.450,531	17.751,428	5,145	4,682
35	21	97.229	40.969,595	1.043.551,920	25,471	25,009	85	71	24.084	2.952,607	14.300,896	4,843	4,381
36	22	97.104	39.918,739	1.002.582,325	25,116	24,653	86	72	20.940	2.504,577	11.348,289	4,531	4,069
37	23	96.968	38.890,616	962.663,586	24,753	24,291	87	73	17.839	2.081,594	8.843,712	4,249	3,786
38	24	96.825	37.886,338	923.772,970	24,383	23,920	88	74	14.851	1.690,688	6.762,118	4,000	3,537
39	25	96.666	36.901,320	885.886,633	24,007	23,544	89	75	12.111	1.345,135	5.071,429	3,770	3,308
40	26	96.493	35.936,955	848.985,313	23,624	23,162	90	76	9.676	1.048,467	3.726,294	3,554	3,092
41	27	96.300	34.990,264	813.048,358	23,236	22,774	91	77	7.573	800,574	2.677,827	3,345	2,882
42	28	96.089	34.062,064	778.058,094	22,842	22,380	92	78	5.768	594,913	1.877,253	3,156	2,693
43	29	95.849	33.148,147	743.996,029	22,445	21,982	93	79	4.277	430,394	1.282,340	2,979	2,517
44	30	95.583	32.250,156	710.847,882	22,042	21,579	94	80	3.083	302,615	851,945	2,815	2,353
45	31	95.296	31.368,880	678.597,726	21,633	21,170	95	81	2.153	206,177	549,330	2,664	2,202
46	32	94.968	30.498,718	647.228,846	21,222	20,759	96	82	1.454	135,892	343,153	2,525	2,063
47	33	94.612	29.643,307	616.730,128	20,805	20,343	97	83	947	86,366	207,260	2,400	1,937
48	34	94.220	28.800,393	587.086,821	20,385	19,922	98	84	596	52,965	120,894	2,283	1,820
49	35	93.792	27.970,116	558.286,428	19,960	19,498	99	85	360	31,246	67,929	2,174	1,712
							100	86	210	17,753	36,682	2,066	1,604

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 15 Jahre

Zinsfuß 2,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	35	93.371	27.165,441	531.954,857	19,582	19,120
1							51	36	92.860	26.358,038	504.789,416	19,151	18,689
2							52	37	92.327	25.567,468	478.431,379	18,713	18,250
3							53	38	91.729	24.782,373	452.863,911	18,274	17,811
4							54	39	91.089	24.009,145	428.081,538	17,830	17,368
5							55	40	90.398	23.245,892	404.072,392	17,383	16,920
6							56	41	89.643	22.489,575	380.826,501	16,933	16,471
7							57	42	88.853	21.747,703	358.336,926	16,477	16,015
8							58	43	87.985	21.010,026	336.589,223	16,020	15,558
9							59	44	87.034	20.275,891	315.579,197	15,564	15,102
10							60	45	85.999	19.546,185	295.303,306	15,108	14,646
11							61	46	84.896	18.824,855	275.757,121	14,649	14,186
12							62	47	83.726	18.112,529	256.932,266	14,185	13,723
13							63	48	82.437	17.398,838	238.819,737	13,726	13,264
14							64	49	81.074	16.693,715	221.420,898	13,264	12,801
15	0	99.326	68.580,865	2.129.995,473	31,058	30,596	65	50	79.602	15.990,942	204.727,183	12,803	12,340
16	1	98.925	66.638,392	2.061.414,607	30,934	30,472	66	51	78.011	15.288,971	188.736,241	12,345	11,882
17	2	98.852	64.964,890	1.994.776,215	30,705	30,243	67	52	76.305	14.590,023	173.447,270	11,888	11,426
18	3	98.782	63.335,731	1.929.811,325	30,470	30,007	68	53	74.445	13.887,161	158.857,247	11,439	10,977
19	4	98.690	61.733,490	1.866.475,595	30,234	29,772	69	54	72.456	13.186,398	144.970,086	10,994	10,531
20	5	98.598	60.171,515	1.804.742,105	29,993	29,531	70	55	70.344	12.489,892	131.783,688	10,551	10,089
21	6	98.510	58.651,618	1.744.570,590	29,745	29,282	71	56	68.079	11.792,932	119.293,796	10,116	9,653
22	7	98.424	57.170,956	1.685.918,972	29,489	29,027	72	57	65.671	11.098,254	107.500,864	9,686	9,224
23	8	98.341	55.729,635	1.628.748,016	29,226	28,763	73	58	63.076	10.399,756	96.402,610	9,270	8,807
24	9	98.259	54.324,861	1.573.018,381	28,956	28,493	74	59	60.338	9.705,628	86.002,854	8,861	8,399
25	10	98.181	52.957,986	1.518.693,520	28,677	28,215	75	60	57.482	9.020,801	76.297,227	8,458	7,996
26	11	98.101	51.624,194	1.465.735,534	28,392	27,930	76	61	54.523	8.347,671	67.276,426	8,059	7,597
27	12	98.022	50.324,328	1.414.111,339	28,100	27,638	77	62	51.511	7.694,252	58.928,755	7,659	7,196
28	13	97.943	49.057,628	1.363.787,011	27,800	27,337	78	63	48.386	7.051,053	51.234,503	7,266	6,804
29	14	97.862	47.821,287	1.314.729,383	27,493	27,030	79	64	45.139	6.417,546	44.183,450	6,885	6,422
30	15	97.782	46.616,667	1.266.908,097	27,177	26,715	80	65	41.825	5.801,342	37.765,904	6,510	6,047
31	16	97.693	45.438,329	1.220.291,430	26,856	26,394	81	66	38.401	5.196,423	31.964,562	6,151	5,689
32	17	97.595	44.285,690	1.174.853,101	26,529	26,067	82	67	34.928	4.611,292	26.768,139	5,805	5,342
33	18	97.493	43.160,657	1.130.567,411	26,194	25,732	83	68	31.328	4.035,108	22.156,847	5,491	5,029
34	19	97.380	42.058,921	1.087.406,754	25,854	25,392	84	69	27.814	3.495,123	18.121,739	5,185	4,722
35	20	97.260	40.982,540	1.045.347,833	25,507	25,045	85	70	24.432	2.995,179	14.626,616	4,883	4,421
36	21	97.128	39.928,508	1.004.365,293	25,154	24,692	86	71	21.286	2.545,851	11.631,437	4,569	4,106
37	22	96.994	38.901,148	964.436,785	24,792	24,330	87	72	18.167	2.119,812	9.085,585	4,286	3,824
38	23	96.851	37.896,225	925.535,637	24,423	23,960	88	73	15.160	1.725,848	6.965,773	4,036	3,574
39	24	96.692	36.911,348	887.639,412	24,048	23,585	89	74	12.393	1.376,466	5.239,925	3,807	3,344
40	25	96.517	35.945,800	850.728,064	23,667	23,205	90	75	9.934	1.076,375	3.863,459	3,589	3,127
41	26	96.327	35.000,063	814.782,264	23,279	22,817	91	76	7.799	824,440	2.787,084	3,381	2,918
42	27	96.117	34.071,994	779.782,201	22,886	22,424	92	77	5.962	614,918	1.962,643	3,192	2,729
43	28	95.877	33.157,989	745.710,207	22,490	22,027	93	78	4.442	446,959	1.347,726	3,015	2,553
44	29	95.611	32.259,598	712.552,218	22,088	21,626	94	79	3.218	315,904	900,766	2,851	2,389
45	30	95.327	31.379,155	680.292,620	21,680	21,217	95	80	2.263	216,735	584,862	2,699	2,236
46	31	95.002	30.509,616	648.913,465	21,269	20,807	96	81	1.540	143,915	368,126	2,558	2,096
47	32	94.646	29.653,851	618.403,849	20,854	20,392	97	82	1.013	92,333	224,212	2,428	1,966
48	33	94.258	28.811,906	588.749,998	20,434	19,972	98	83	642	57,054	131,878	2,311	1,849
49	34	93.836	27.983,235	559.938,093	20,010	19,547	99	84	392	33,977	74,825	2,202	1,740
							100	85	230	19,441	40,848	2,101	1,639

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 16 Jahre

Zinsfuß 2,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	34	93.414	27.178,183	533.455,167	19,628	19,166
1							51	35	92.908	26.371,539	506.276,984	19,198	18,735
2							52	36	92.379	25.581,934	479.905,446	18,760	18,297
3							53	37	91.786	24.797,579	454.323,512	18,321	17,859
4							54	38	91.153	24.025,952	429.525,933	17,878	17,415
5							55	39	90.470	23.264,509	405.499,981	17,430	16,968
6							56	40	89.721	22.509,158	382.235,472	16,981	16,519
7							57	41	88.941	21.769,221	359.726,314	16,525	16,062
8							58	42	88.085	21.033,682	337.957,093	16,067	15,605
9							59	43	87.147	20.302,244	316.923,411	15,610	15,148
10							60	44	86.119	19.573,432	296.621,167	15,154	14,692
11							61	45	85.031	18.854,759	277.047,736	14,694	14,231
12							62	46	83.876	18.145,118	258.192,977	14,229	13,767
13							63	47	82.598	17.432,739	240.047,859	13,770	13,308
14							64	48	81.246	16.729,180	222.615,121	13,307	12,845
15							65	49	79.794	16.029,521	205.885,941	12,844	12,382
16	0	99.302	66.892,378	2.063.463,669	30,848	30,385	66	50	78.208	15.327,698	189.856,420	12,386	11,924
17	1	98.887	64.988,165	1.996.571,291	30,722	30,260	67	51	76.518	14.630,656	174.528,722	11,929	11,467
18	2	98.802	63.348,255	1.931.583,126	30,491	30,029	68	52	74.671	13.929,272	159.898,066	11,479	11,017
19	3	98.707	61.744,088	1.868.234,871	30,258	29,795	69	53	72.685	13.228,167	145.968,794	11,035	10,572
20	4	98.611	60.179,287	1.806.490,783	30,018	29,556	70	54	70.590	12.533,487	132.740,627	10,591	10,128
21	5	98.523	58.659,286	1.746.311,496	29,770	29,308	71	55	68.338	11.837,760	120.207,141	10,155	9,692
22	6	98.433	57.176,225	1.687.652,209	29,517	29,054	72	56	65.936	11.142,990	108.369,381	9,725	9,263
23	7	98.350	55.734,489	1.630.475,985	29,254	28,792	73	57	63.359	10.446,379	97.226,391	9,307	8,845
24	8	98.268	54.330,076	1.574.741,496	28,985	28,522	74	58	60.630	9.752,593	86.780,012	8,898	8,436
25	9	98.187	52.961,408	1.520.411,420	28,708	28,245	75	59	57.776	9.066,895	77.027,419	8,495	8,033
26	10	98.109	51.628,536	1.467.450,011	28,423	27,961	76	60	54.825	8.393,873	67.960,525	8,096	7,634
27	11	98.031	50.329,048	1.415.821,475	28,131	27,669	77	61	51.803	7.737,795	59.566,651	7,698	7,236
28	12	97.952	49.061,794	1.365.492,427	27,832	27,370	78	62	48.692	7.095,705	51.828,856	7,304	6,842
29	13	97.871	47.825,920	1.316.430,633	27,525	27,063	79	63	45.448	6.461,496	44.733,151	6,923	6,461
30	14	97.793	46.622,099	1.268.604,713	27,210	26,748	80	64	42.133	5.844,079	38.271,655	6,549	6,086
31	15	97.710	45.446,449	1.221.982,613	26,888	26,426	81	65	38.717	5.239,214	32.427,576	6,189	5,727
32	16	97.616	44.295,071	1.176.536,164	26,561	26,099	82	66	35.248	4.653,437	27.188,362	5,843	5,380
33	17	97.515	43.170,155	1.132.241,093	26,227	25,765	83	67	31.650	4.076,546	22.534,926	5,528	5,066
34	18	97.408	42.071,020	1.089.070,938	25,886	25,424	84	68	28.136	3.535,561	18.458,380	5,221	4,758
35	19	97.287	40.993,904	1.046.999,918	25,540	25,078	85	69	24.747	3.033,886	14.922,819	4,919	4,456
36	20	97.158	39.941,124	1.006.006,014	25,187	24,725	86	70	21.592	2.582,559	11.888,933	4,604	4,141
37	21	97.018	38.910,668	966.064,891	24,828	24,365	87	71	18.466	2.154,746	9.306,374	4,319	3,857
38	22	96.877	37.906,488	927.154,222	24,459	23,997	88	72	15.438	1.757,535	7.151,628	4,069	3,607
39	23	96.717	36.920,981	889.247,735	24,085	23,623	89	73	12.651	1.405,091	5.394,093	3,839	3,377
40	24	96.543	35.955,568	852.326,754	23,705	23,243	90	74	10.165	1.101,446	3.989,002	3,622	3,159
41	25	96.351	35.008,677	816.371,185	23,319	22,857	91	75	8.006	846,385	2.887,557	3,412	2,949
42	26	96.144	34.081,536	781.362,508	22,926	22,464	92	76	6.140	633,249	2.041,172	3,223	2,761
43	27	95.905	33.167,655	747.280,972	22,530	22,068	93	77	4.591	461,989	1.407,922	3,048	2,585
44	28	95.640	32.269,176	714.113,317	22,130	21,667	94	78	3.342	328,063	945,933	2,883	2,421
45	29	95.355	31.388,342	681.844,141	21,723	21,260	95	79	2.362	226,253	617,870	2,731	2,268
46	30	95.034	30.519,609	650.455,798	21,313	20,850	96	80	1.619	151,284	391,617	2,589	2,126
47	31	94.680	29.664,447	619.936,190	20,898	20,436	97	81	1.073	97,784	240,333	2,458	1,995
48	32	94.291	28.822,154	590.271,742	20,480	20,017	98	82	686	60,996	142,548	2,337	1,875
49	33	93.873	27.994,421	561.449,588	20,056	19,593	99	83	422	36,600	81,553	2,228	1,766
							100	84	250	21,140	44,953	2,126	1,664

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 17 Jahre

Zinsfuß 2,50%

Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	33	93.452	27.189,047	534.828,171	19,671	19,208
1							51	34	92.951	26.383,908	507.639,124	19,240	18,778
2							52	35	92.427	25.595,037	481.255,216	18,803	18,340
3							53	36	91.837	24.811,609	455.660,179	18,365	17,902
4							54	37	91.209	24.040,694	430.848,570	17,922	17,459
5							55	38	90.534	23.280,795	406.807,876	17,474	17,012
6							56	39	89.793	22.527,185	383.527,082	17,025	16,563
7							57	40	89.019	21.788,177	360.999,896	16,569	16,106
8							58	41	88.172	21.054,494	339.211,720	16,111	15,649
9							59	42	87.245	20.325,103	318.157,225	15,653	15,191
10							60	43	86.231	19.598,871	297.832,123	15,196	14,734
11							61	44	85.149	18.881,041	278.233,251	14,736	14,274
12							62	45	84.010	18.173,942	259.352,210	14,271	13,808
13							63	46	82.747	17.464,104	241.178,269	13,810	13,348
14							64	47	81.404	16.761,775	223.714,165	13,347	12,884
15							65	48	79.964	16.063,574	206.952,389	12,883	12,421
16							66	49	78.397	15.364,677	190.888,815	12,424	11,961
17	0	99.264	65.235,861	1.998.468,245	30,635	30,172	67	50	76.712	14.667,716	175.524,138	11,967	11,504
18	1	98.837	63.370,951	1.933.232,383	30,507	30,044	68	51	74.879	13.968,065	160.856,422	11,516	11,054
19	2	98.727	61.756,298	1.869.861,432	30,278	29,816	69	52	72.906	13.268,279	146.888,357	11,071	10,608
20	3	98.628	60.189,618	1.808.105,134	30,040	29,578	70	53	70.813	12.573,187	133.620,078	10,627	10,165
21	4	98.536	58.666,863	1.747.915,516	29,794	29,331	71	54	68.577	11.879,078	121.046,891	10,190	9,728
22	5	98.446	57.183,700	1.689.248,652	29,541	29,078	72	55	66.186	11.185,347	109.167,813	9,760	9,297
23	6	98.359	55.739,625	1.632.064,952	29,280	28,818	73	56	63.614	10.488,488	97.982,466	9,342	8,879
24	7	98.277	54.334,808	1.576.325,327	29,011	28,549	74	57	60.902	9.796,314	87.493,978	8,931	8,469
25	8	98.197	52.966,493	1.521.990,519	28,735	28,273	75	58	58.056	9.110,769	77.697,664	8,528	8,066
26	9	98.116	51.631,872	1.469.024,027	28,452	27,989	76	59	55.105	8.436,764	68.586,895	8,130	7,667
27	10	98.039	50.333,281	1.417.392,154	28,160	27,698	77	60	52.090	7.780,622	60.150,131	7,731	7,268
28	11	97.961	49.066,396	1.367.058,874	27,861	27,399	78	61	48.967	7.135,861	52.369,510	7,339	6,876
29	12	97.880	47.829,983	1.317.992,478	27,556	27,093	79	62	45.736	6.502,415	45.233,648	6,956	6,494
30	13	97.802	46.626,617	1.270.162,495	27,241	26,779	80	63	42.422	5.884,102	38.731,233	6,582	6,120
31	14	97.722	45.451,745	1.223.535,878	26,919	26,457	81	64	39.002	5.277,809	32.847,132	6,224	5,761
32	15	97.633	44.302,986	1.178.084,133	26,592	26,129	82	65	35.538	4.691,756	27.569,322	5,876	5,414
33	16	97.536	43.179,299	1.133.781,147	26,258	25,795	83	66	31.939	4.113,803	22.877,566	5,561	5,099
34	17	97.429	42.080,279	1.090.601,847	25,917	25,455	84	67	28.425	3.571,869	18.763,763	5,253	4,791
35	18	97.315	41.005,696	1.048.521,569	25,570	25,108	85	68	25.034	3.068,988	15.191,894	4,950	4,488
36	19	97.185	39.952,199	1.007.515,872	25,218	24,756	86	69	21.872	2.615,933	12.122,907	4,634	4,172
37	20	97.049	38.922,962	967.563,673	24,858	24,396	87	70	18.732	2.185,814	9.506,973	4,349	3,887
38	21	96.901	37.915,765	928.640,711	24,492	24,030	88	71	15.693	1.786,498	7.321,160	4,098	3,636
39	22	96.743	36.930,980	890.724,946	24,119	23,656	89	72	12.883	1.430,889	5.534,661	3,868	3,406
40	23	96.568	35.964,952	853.793,967	23,740	23,277	90	73	10.376	1.124,351	4.103,773	3,650	3,187
41	24	96.377	35.018,191	817.829,015	23,354	22,892	91	74	8.193	866,099	2.979,421	3,440	2,978
42	25	96.168	34.089,924	782.810,824	22,963	22,501	92	75	6.303	650,105	2.113,322	3,251	2,788
43	26	95.932	33.176,944	748.720,900	22,568	22,105	93	76	4.728	475,762	1.463,217	3,076	2,613
44	27	95.668	32.278,583	715.543,956	22,168	21,705	94	77	3.454	339,095	987,456	2,912	2,450
45	28	95.383	31.397,662	683.265,373	21,762	21,299	95	78	2.453	234,961	648,361	2,759	2,297
46	29	95.061	30.528,545	651.867,711	21,353	20,890	96	79	1.690	157,928	413,400	2,618	2,155
47	30	94.711	29.674,163	621.339,166	20,939	20,476	97	80	1.128	102,792	255,472	2,485	2,023
48	31	94.325	28.832,453	591.665,003	20,521	20,058	98	81	726	64,596	152,680	2,364	1,901
49	32	93.906	28.004,379	562.832,550	20,098	19,636	99	82	451	39,128	88,084	2,251	1,789
							100	83	269	22,772	48,956	2,150	1,687

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 18 Jahre

Zinsfuß 2,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	32	93.485	27.198,718	536.084,448	19,710	19,247
1							51	33	92.989	26.394,455	508.885,730	19,280	18,818
2							52	34	92.470	25.607,042	482.491,276	18,842	18,380
3							53	35	91.884	24.824,318	456.884,234	18,405	17,942
4							54	36	91.260	24.054,296	432.059,915	17,962	17,499
5							55	37	90.589	23.295,079	408.005,620	17,515	17,052
6							56	38	89.856	22.542,955	384.710,540	17,066	16,603
7							57	39	89.090	21.805,627	362.167,586	16,609	16,146
8							58	40	88.248	21.072,827	340.361,959	16,152	15,689
9							59	41	87.331	20.345,214	319.289,132	15,694	15,231
10							60	42	86.328	19.620,939	298.943,918	15,236	14,774
11							61	43	85.260	18.905,581	279.322,980	14,775	14,312
12							62	44	84.127	18.199,275	260.417,399	14,309	13,847
13							63	45	82.878	17.491,846	242.218,124	13,847	13,385
14							64	46	81.551	16.791,933	224.726,277	13,383	12,921
15							65	47	80.120	16.094,873	207.934,344	12,919	12,457
16							66	48	78.563	15.397,318	191.839,471	12,459	11,997
17							67	49	76.897	14.703,102	176.442,153	12,000	11,538
18	0	99.214	63.612,484	1.934.989,597	30,418	29,956	68	50	75.069	14.003,446	161.739,050	11,550	11,088
19	1	98.762	61.778,424	1.871.377,114	30,292	29,829	69	51	73.109	13.305,231	147.735,604	11,104	10,641
20	2	98.647	60.201,521	1.809.598,690	30,059	29,597	70	52	71.028	12.611,314	134.430,373	10,660	10,197
21	3	98.553	58.676,935	1.749.397,169	29,814	29,352	71	53	68.794	11.916,706	121.819,059	10,223	9,760
22	4	98.459	57.191,086	1.690.720,234	29,563	29,100	72	54	66.417	11.224,388	109.902,354	9,791	9,329
23	5	98.372	55.746,913	1.633.529,147	29,303	28,840	73	55	63.856	10.528,357	98.677,966	9,373	8,910
24	6	98.286	54.339,815	1.577.782,235	29,035	28,573	74	56	61.147	9.835,802	88.149,609	8,962	8,500
25	7	98.205	52.971,106	1.523.442,420	28,760	28,297	75	57	58.316	9.151,613	78.313,806	8,557	8,095
26	8	98.125	51.636,829	1.470.471,314	28,477	28,015	76	58	55.371	8.477,589	69.162,193	8,158	7,696
27	9	98.046	50.336,533	1.418.834,485	28,187	27,725	77	59	52.356	7.820,379	60.684,604	7,760	7,297
28	10	97.969	49.070,522	1.368.497,952	27,888	27,426	78	60	49.239	7.175,356	52.864,225	7,367	6,905
29	11	97.889	47.834,468	1.319.427,429	27,583	27,121	79	61	45.995	6.539,213	45.688,869	6,987	6,524
30	12	97.811	46.630,577	1.271.592,961	27,270	26,807	80	62	42.690	5.921,364	39.149,656	6,612	6,149
31	13	97.731	45.456,150	1.224.962,384	26,948	26,486	81	63	39.269	5.313,954	33.228,292	6,253	5,791
32	14	97.644	44.308,149	1.179.506,234	26,621	26,158	82	64	35.800	4.726,319	27.914,338	5,906	5,444
33	15	97.553	43.187,016	1.135.198,085	26,286	25,823	83	65	32.202	4.147,679	23.188,019	5,591	5,128
34	16	97.450	42.089,192	1.092.011,069	25,945	25,483	84	66	28.685	3.604,513	19.040,340	5,282	4,820
35	17	97.336	41.014,721	1.049.921,877	25,599	25,136	85	67	25.291	3.100,505	15.435,827	4,978	4,516
36	18	97.213	39.963,692	1.008.907,157	25,246	24,783	86	68	22.125	2.646,199	12.335,322	4,662	4,199
37	19	97.075	38.933,755	968.943,465	24,887	24,425	87	69	18.974	2.214,061	9.689,123	4,376	3,914
38	20	96.931	37.927,744	930.009,709	24,521	24,058	88	70	15.919	1.812,257	7.475,062	4,125	3,662
39	21	96.767	36.940,018	892.081,965	24,149	23,687	89	71	13.096	1.454,469	5.662,805	3,893	3,431
40	22	96.594	35.974,691	855.141,947	23,771	23,308	90	72	10.567	1.144,995	4.208,336	3,675	3,213
41	23	96.402	35.027,330	819.167,256	23,387	22,924	91	73	8.363	884,110	3.063,342	3,465	3,002
42	24	96.194	34.099,188	784.139,926	22,996	22,533	92	74	6.450	665,247	2.179,231	3,276	2,813
43	25	95.955	33.185,109	750.040,738	22,602	22,139	93	75	4.854	488,425	1.513,984	3,100	2,637
44	26	95.694	32.287,623	716.855,629	22,202	21,740	94	76	3.557	349,203	1.025,559	2,937	2,474
45	27	95.411	31.406,815	684.568,006	21,797	21,334	95	77	2.536	242,862	676,355	2,785	2,323
46	28	95.090	30.537,609	653.161,191	21,389	20,926	96	78	1.755	164,006	433,493	2,643	2,181
47	29	94.739	29.682,851	622.623,582	20,976	20,513	97	79	1.177	107,306	269,487	2,511	2,049
48	30	94.356	28.841,897	592.940,731	20,558	20,096	98	80	764	67,904	162,181	2,388	1,926
49	31	93.940	28.014,386	564.098,834	20,136	19,674	99	81	478	41,438	94,277	2,275	1,813
							100	82	288	24,345	52,839	2,170	1,708

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 19 Jahre

Zinsfuß 2,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	31	93.518	27.208,437	537.234,819	19,745	19,283
1							51	32	93.022	26.403,843	510.026,382	19,316	18,854
2							52	33	92.507	25.617,278	483.622,538	18,879	18,416
3							53	34	91.928	24.835,962	458.005,260	18,441	17,979
4							54	35	91.307	24.066,617	433.169,298	17,999	17,536
5							55	36	90.641	23.308,259	409.102,682	17,552	17,089
6							56	37	89.911	22.556,787	385.794,422	17,103	16,641
7							57	38	89.152	21.820,891	363.237,636	16,646	16,184
8							58	39	88.319	21.089,704	341.416,745	16,189	15,726
9							59	40	87.407	20.362,929	320.327,040	15,731	15,268
10							60	41	86.413	19.640,353	299.964,111	15,273	14,810
11							61	42	85.356	18.926,868	280.323,759	14,811	14,348
12							62	43	84.236	18.222,929	261.396,891	14,344	13,882
13							63	44	82.994	17.516,229	243.173,962	13,883	13,420
14							64	45	81.680	16.818,608	225.657,733	13,417	12,955
15							65	46	80.264	16.123,831	208.839,125	12,952	12,490
16							66	47	78.716	15.427,319	192.715,294	12,492	12,029
17							67	48	77.060	14.734,338	177.287,975	12,032	11,570
18							68	49	75.250	14.037,230	162.553,637	11,580	11,118
19	0	99.139	62.013,886	1.873.005,885	30,203	29,741	69	50	73.294	13.338,934	148.516,407	11,134	10,672
20	1	98.683	60.223,090	1.810.991,998	30,071	29,609	70	51	71.226	12.646,436	135.177,474	10,689	10,227
21	2	98.572	58.688,539	1.750.768,909	29,832	29,369	71	52	69.003	11.952,841	122.531,038	10,251	9,789
22	3	98.475	57.200,905	1.692.080,370	29,581	29,119	72	53	66.628	11.259,942	110.578,196	9,820	9,358
23	4	98.384	55.754,114	1.634.879,466	29,323	28,861	73	54	64.079	10.565,105	99.318,254	9,401	8,938
24	5	98.299	54.346,919	1.579.125,352	29,056	28,594	74	55	61.380	9.873,191	88.753,149	8,989	8,527
25	6	98.215	52.975,987	1.524.778,433	28,782	28,320	75	56	58.551	9.188,503	78.879,959	8,585	8,122
26	7	98.134	51.641,326	1.471.802,445	28,500	28,038	76	57	55.620	8.515,595	69.691,456	8,184	7,722
27	8	98.055	50.341,366	1.420.161,119	28,211	27,748	77	58	52.609	7.858,221	61.175,861	7,785	7,323
28	9	97.975	49.073,693	1.369.819,753	27,914	27,451	78	59	49.490	7.212,021	53.317,640	7,393	6,930
29	10	97.897	47.838,491	1.320.746,060	27,608	27,146	79	60	46.250	6.575,406	46.105,620	7,012	6,549
30	11	97.820	46.634,951	1.272.907,569	27,295	26,833	80	61	42.932	5.954,874	39.530,214	6,638	6,176
31	12	97.739	45.460,010	1.226.272,618	26,975	26,512	81	62	39.518	5.347,606	33.575,340	6,279	5,816
32	13	97.654	44.312,443	1.180.812,608	26,647	26,185	82	63	36.045	4.758,687	28.227,734	5,932	5,469
33	14	97.564	43.192,048	1.136.500,165	26,313	25,850	83	64	32.439	4.178,233	23.469,047	5,617	5,155
34	15	97.467	42.096,714	1.093.308,117	25,971	25,509	84	65	28.921	3.634,195	19.290,814	5,308	4,846
35	16	97.357	41.023,408	1.051.211,403	25,625	25,162	85	66	25.522	3.128,841	15.656,618	5,004	4,542
36	17	97.234	39.972,487	1.010.187,995	25,272	24,810	86	67	22.352	2.673,374	12.527,777	4,686	4,224
37	18	97.103	38.944,955	970.215,508	24,912	24,450	87	68	19.194	2.239,678	9.854,403	4,400	3,938
38	19	96.958	37.938,261	931.270,552	24,547	24,085	88	69	16.125	1.835,677	7.614,725	4,148	3,686
39	20	96.798	36.951,689	893.332,291	24,176	23,713	89	70	13.285	1.475,440	5.779,049	3,917	3,454
40	21	96.618	35.983,496	856.380,602	23,799	23,337	90	71	10.741	1.163,864	4.303,609	3,698	3,235
41	22	96.428	35.036,816	820.397,107	23,415	22,953	91	72	8.517	900,343	3.139,745	3,487	3,025
42	23	96.219	34.108,087	785.360,291	23,026	22,563	92	73	6.584	679,082	2.239,402	3,298	2,835
43	24	95.981	33.194,128	751.252,204	22,632	22,170	93	74	4.967	499,802	1.560,321	3,122	2,659
44	25	95.718	32.295,569	718.058,076	22,234	21,772	94	75	3.652	358,498	1.060,519	2,958	2,496
45	26	95.438	31.415,610	685.762,507	21,829	21,366	95	76	2.611	250,102	702,021	2,807	2,345
46	27	95.117	30.546,511	654.346,897	21,421	20,959	96	77	1.814	169,521	451,918	2,666	2,203
47	28	94.767	29.691,665	623.800,386	21,009	20,547	97	78	1.222	111,436	282,397	2,534	2,072
48	29	94.384	28.850,341	594.108,721	20,593	20,130	98	79	797	70,886	170,962	2,412	1,949
49	30	93.971	28.023,561	565.258,380	20,171	19,708	99	80	502	43,560	100,075	2,297	1,835
							100	81	305	25,782	56,515	2,192	1,730

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 20 Jahre

Zinsfuß 2,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	30	93.549	27.217,348	538.288,280	19,777	19,315
1							51	31	93.055	26.413,278	511.070,932	19,349	18,887
2							52	32	92.540	25.626,390	484.657,654	18,912	18,450
3							53	33	91.964	24.845,889	459.031,263	18,475	18,013
4							54	34	91.350	24.077,905	434.185,374	18,033	17,570
5							55	35	90.687	23.320,198	410.107,469	17,586	17,124
6							56	36	89.962	22.569,549	386.787,270	17,138	16,675
7							57	37	89.207	21.834,280	364.217,722	16,681	16,219
8							58	38	88.381	21.104,467	342.383,442	16,223	15,761
9							59	39	87.477	20.379,238	321.278,974	15,765	15,303
10							60	40	86.489	19.657,454	300.899,737	15,307	14,845
11							61	41	85.441	18.945,595	281.242,282	14,845	14,382
12							62	42	84.331	18.243,447	262.296,687	14,378	13,915
13							63	43	83.101	17.538,995	244.053,241	13,915	13,452
14							64	44	81.794	16.842,052	226.514,246	13,449	12,987
15							65	45	80.391	16.149,444	209.672,193	12,983	12,521
16							66	46	78.858	15.455,076	193.522,749	12,522	12,059
17							67	47	77.210	14.763,047	178.067,673	12,062	11,599
18							68	48	75.409	14.067,051	163.304,626	11,609	11,147
19							69	49	73.471	13.371,114	149.237,575	11,161	10,699
20	0	99.059	60.452,624	1.812.502,699	29,982	29,520	70	50	71.406	12.678,470	135.866,461	10,716	10,254
21	1	98.608	58.709,565	1.752.050,074	29,843	29,380	71	51	69.195	11.986,130	123.187,991	10,278	9,815
22	2	98.495	57.212,216	1.693.340,509	29,598	29,135	72	52	66.830	11.294,086	111.201,861	9,846	9,384
23	3	98.401	55.763,685	1.636.128,293	29,340	28,878	73	53	64.282	10.598,570	99.907,775	9,427	8,964
24	4	98.311	54.353,939	1.580.364,608	29,075	28,613	74	54	61.594	9.907,652	89.309,205	9,014	8,552
25	5	98.227	52.982,913	1.526.010,668	28,802	28,340	75	55	58.774	9.223,430	79.401,553	8,609	8,146
26	6	98.143	51.646,085	1.473.027,755	28,522	28,059	76	56	55.844	8.549,920	70.178,122	8,208	7,746
27	7	98.063	50.345,750	1.421.381,670	28,232	27,770	77	57	52.845	7.893,450	61.628,202	7,808	7,345
28	8	97.985	49.078,404	1.371.035,919	27,936	27,473	78	58	49.730	7.246,919	53.734,752	7,415	6,952
29	9	97.903	47.841,583	1.321.957,515	27,632	27,170	79	59	46.486	6.609,005	46.487,833	7,034	6,572
30	10	97.828	46.638,872	1.274.115,932	27,319	26,856	80	60	43.170	5.987,833	39.878,828	6,660	6,198
31	11	97.748	45.464,274	1.227.477,060	26,999	26,536	81	61	39.741	5.377,869	33.890,995	6,302	5,840
32	12	97.662	44.316,207	1.182.012,786	26,672	26,210	82	62	36.273	4.788,822	28.513,126	5,954	5,492
33	13	97.574	43.196,234	1.137.696,579	26,338	25,875	83	63	32.662	4.206,848	23.724,304	5,639	5,177
34	14	97.479	42.101,620	1.094.500,346	25,997	25,534	84	64	29.134	3.660,967	19.517,456	5,331	4,869
35	15	97.374	41.030,739	1.052.398,726	25,649	25,187	85	65	25.732	3.154,606	15.856,489	5,026	4,564
36	16	97.255	39.980,954	1.011.367,987	25,296	24,834	86	66	22.556	2.697,807	12.701,883	4,708	4,246
37	17	97.125	38.953,526	971.387,033	24,937	24,475	87	67	19.391	2.262,678	10.004,076	4,421	3,959
38	18	96.986	37.949,175	932.433,507	24,571	24,108	88	68	16.311	1.856,915	7.741,398	4,169	3,707
39	19	96.825	36.961,935	894.484,332	24,200	23,738	89	69	13.456	1.494,507	5.884,483	3,937	3,475
40	20	96.649	35.994,865	857.522,397	23,823	23,361	90	70	10.896	1.180,645	4.389,976	3,718	3,256
41	21	96.452	35.045,390	821.527,532	23,442	22,979	91	71	8.657	915,180	3.209,331	3,507	3,044
42	22	96.245	34.117,324	786.482,142	23,052	22,590	92	72	6.705	691,550	2.294,151	3,317	2,855
43	23	96.007	33.202,790	752.364,818	22,660	22,197	93	73	5.071	510,196	1.602,601	3,141	2,679
44	24	95.744	32.304,346	719.162,027	22,262	21,800	94	74	3.737	366,849	1.092,406	2,978	2,515
45	25	95.461	31.423,342	686.857,682	21,858	21,396	95	75	2.681	256,759	725,557	2,826	2,363
46	26	95.144	30.555,065	655.434,340	21,451	20,989	96	76	1.868	174,575	468,798	2,685	2,223
47	27	94.794	29.700,320	624.879,274	21,039	20,577	97	77	1.264	115,183	294,223	2,554	2,092
48	28	94.412	28.858,907	595.178,954	20,624	20,161	98	78	828	73,615	179,040	2,432	1,970
49	29	93.998	28.031,766	566.320,047	20,203	19,740	99	79	524	45,473	105,426	2,318	1,856
							100	80	320	27,102	59,953	2,212	1,750

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 21 Jahre

Zinsfuß 2,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	29	93.576	27.225,317	539.252,829	19,807	19,345
1							51	30	93.085	26.421,929	512.027,511	19,379	18,916
2							52	31	92.573	25.635,548	485.605,582	18,943	18,480
3							53	32	91.997	24.854,727	459.970,035	18,506	18,044
4							54	33	91.386	24.087,530	435.115,307	18,064	17,602
5							55	34	90.729	23.331,136	411.027,778	17,617	17,155
6							56	35	90.008	22.581,109	387.696,641	17,169	16,707
7							57	36	89.258	21.846,633	365.115,532	16,713	16,250
8							58	37	88.435	21.117,417	343.268,898	16,255	15,793
9							59	38	87.539	20.393,503	322.151,482	15,797	15,334
10							60	39	86.558	19.673,198	301.757,978	15,339	14,876
11							61	40	85.515	18.962,092	282.084,780	14,876	14,414
12							62	41	84.414	18.261,498	263.122,689	14,409	13,946
13							63	42	83.195	17.558,743	244.861,191	13,945	13,483
14							64	43	81.900	16.863,942	227.302,448	13,479	13,016
15							65	44	80.503	16.171,956	210.438,506	13,013	12,550
16							66	45	78.983	15.479,627	194.266,550	12,550	12,087
17							67	46	77.349	14.789,609	178.786,923	12,089	11,626
18							68	47	75.556	14.094,460	163.997,314	11,636	11,173
19							69	48	73.627	13.399,520	149.902,855	11,187	10,725
20							70	49	71.579	12.709,057	136.503,334	10,741	10,278
21	0	98.983	58.933,331	1.753.452,191	29,753	29,291	71	50	69.370	12.016,491	123.794,277	10,302	9,840
22	1	98.530	57.232,714	1.694.518,859	29,608	29,145	72	51	67.016	11.325,540	111.777,786	9,870	9,407
23	2	98.421	55.774,713	1.637.286,146	29,355	28,893	73	52	64.477	10.630,709	100.452,246	9,449	8,987
24	3	98.328	54.363,271	1.581.511,433	29,092	28,629	74	53	61.789	9.939,035	89.821,537	9,037	8,575
25	4	98.240	52.989,757	1.527.148,162	28,820	28,357	75	54	58.979	9.255,624	79.882,502	8,631	8,168
26	5	98.156	51.652,838	1.474.158,405	28,540	28,077	76	55	56.056	8.582,421	70.626,879	8,229	7,767
27	6	98.072	50.350,390	1.422.505,568	28,252	27,790	77	56	53.058	7.925,268	62.044,458	7,829	7,366
28	7	97.993	49.082,679	1.372.155,178	27,956	27,494	78	57	49.953	7.279,408	54.119,190	7,435	6,972
29	8	97.913	47.846,175	1.323.072,499	27,653	27,190	79	58	46.711	6.640,985	46.839,782	7,053	6,591
30	9	97.835	46.641,886	1.275.226,323	27,341	26,878	80	59	43.390	6.018,429	40.198,797	6,679	6,217
31	10	97.757	45.468,098	1.228.584,437	27,021	26,558	81	60	39.961	5.407,634	34.180,368	6,321	5,858
32	11	97.671	44.320,363	1.183.116,339	26,695	26,232	82	61	36.478	4.815,923	28.772,734	5,975	5,512
33	12	97.582	43.199,903	1.138.795,977	26,361	25,899	83	62	32.868	4.233,489	23.956,811	5,659	5,196
34	13	97.488	42.105,699	1.095.596,074	26,020	25,558	84	63	29.334	3.686,039	19.723,322	5,351	4,888
35	14	97.386	41.035,521	1.053.490,375	25,673	25,210	85	64	25.922	3.177,845	16.037,283	5,047	4,584
36	15	97.272	39.988,098	1.012.454,854	25,319	24,856	86	65	22.742	2.720,022	12.859,438	4,728	4,265
37	16	97.145	38.961,777	972.466,756	24,960	24,497	87	66	19.568	2.283,357	10.139,416	4,441	3,978
38	17	97.007	37.957,526	933.504,979	24,593	24,131	88	67	16.479	1.875,984	7.856,058	4,188	3,725
39	18	96.852	36.972,568	895.547,452	24,222	23,760	89	68	13.612	1.511,799	5.980,074	3,956	3,493
40	19	96.675	36.004,846	858.574,884	23,846	23,384	90	69	11.037	1.195,902	4.468,275	3,736	3,274
41	20	96.482	35.056,463	822.570,038	23,464	23,002	91	70	8.782	928,376	3.272,373	3,525	3,062
42	21	96.268	34.125,673	787.513,575	23,077	22,614	92	71	6.816	702,946	2.343,998	3,335	2,872
43	22	96.033	33.211,782	753.387,902	22,684	22,222	93	72	5.164	519,563	1.641,051	3,159	2,696
44	23	95.769	32.312,776	720.176,119	22,288	21,825	94	73	3.815	374,478	1.121,489	2,995	2,532
45	24	95.487	31.431,881	687.863,343	21,884	21,422	95	74	2.743	262,740	747,011	2,843	2,381
46	25	95.167	30.562,586	656.431,462	21,478	21,016	96	75	1.918	179,221	484,271	2,702	2,240
47	26	94.821	29.708,637	625.868,876	21,067	20,604	97	76	1.301	118,617	305,050	2,572	2,109
48	27	94.439	28.867,320	596.160,239	20,652	20,189	98	77	856	76,090	186,433	2,450	1,988
49	28	94.026	28.040,089	567.292,918	20,231	19,769	99	78	544	47,223	110,343	2,337	1,874
							100	79	334	28,292	63,120	2,231	1,769

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 22 Jahre

Zinsfuß 2,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	28	93.604	27.233,401	540.136,729	19,834	19,371
1							51	29	93.113	26.429,665	512.903,328	19,406	18,944
2							52	30	92.603	25.643,944	486.473,663	18,970	18,508
3							53	31	92.030	24.863,609	460.829,719	18,534	18,072
4							54	32	91.419	24.096,098	435.966,110	18,093	17,630
5							55	33	90.766	23.340,463	411.870,012	17,646	17,184
6							56	34	90.050	22.591,701	388.529,550	17,198	16,735
7							57	35	89.303	21.857,824	365.937,849	16,742	16,279
8							58	36	88.485	21.129,365	344.080,025	16,284	15,822
9							59	37	87.592	20.406,017	322.950,661	15,826	15,364
10							60	38	86.619	19.686,969	302.544,644	15,368	14,905
11							61	39	85.583	18.977,278	282.857,675	14,905	14,443
12							62	40	84.488	18.277,399	263.880,396	14,438	13,975
13							63	41	83.277	17.576,117	245.602,997	13,974	13,511
14							64	42	81.993	16.882,930	228.026,881	13,506	13,044
15							65	43	80.608	16.192,975	211.143,951	13,039	12,577
16							66	44	79.093	15.501,205	194.950,976	12,577	12,114
17							67	45	77.472	14.813,103	179.449,772	12,114	11,652
18							68	46	75.692	14.119,819	164.636,669	11,660	11,198
19							69	47	73.770	13.425,628	150.516,850	11,211	10,749
20							70	48	71.731	12.736,056	137.091,222	10,764	10,302
21							71	49	69.537	12.045,481	124.355,166	10,324	9,861
22	0	98.906	57.450,851	1.695.821,037	29,518	29,055	72	50	67.186	11.354,228	112.309,684	9,891	9,429
23	1	98.456	55.794,695	1.638.370,186	29,364	28,902	73	51	64.657	10.660,315	100.955,456	9,470	9,008
24	2	98.348	54.374,021	1.582.575,491	29,105	28,643	74	52	61.976	9.969,174	90.295,141	9,057	8,595
25	3	98.257	52.998,854	1.528.201,470	28,835	28,372	75	53	59.166	9.284,941	80.325,967	8,651	8,189
26	4	98.168	51.659,510	1.475.202,615	28,556	28,094	76	54	56.252	8.612,377	71.041,026	8,249	7,786
27	5	98.085	50.356,973	1.423.543,105	28,269	27,807	77	55	53.260	7.955,394	62.428,649	7,847	7,385
28	6	98.002	49.087,202	1.373.186,133	27,974	27,512	78	56	50.154	7.308,750	54.473,255	7,453	6,991
29	7	97.921	47.850,343	1.324.098,931	27,672	27,209	79	57	46.920	6.670,757	47.164,505	7,070	6,608
30	8	97.844	46.646,364	1.276.248,588	27,360	26,898	80	58	43.600	6.047,552	40.493,748	6,696	6,233
31	9	97.763	45.471,036	1.229.602,224	27,041	26,579	81	59	40.166	5.435,266	34.446,196	6,338	5,875
32	10	97.680	44.324,090	1.184.131,188	26,715	26,253	82	60	36.680	4.842,578	29.010,930	5,991	5,528
33	11	97.591	43.203,954	1.139.807,098	26,382	25,920	83	61	33.054	4.257,447	24.168,352	5,677	5,214
34	12	97.497	42.109,276	1.096.603,144	26,042	25,579	84	62	29.519	3.709,382	19.910,905	5,368	4,905
35	13	97.395	41.039,497	1.054.493,868	25,695	25,232	85	63	26.099	3.199,608	16.201,524	5,064	4,601
36	14	97.284	39.992,758	1.013.454,371	25,341	24,879	86	64	22.909	2.740,060	13.001,915	4,745	4,283
37	15	97.163	38.968,740	973.461,613	24,981	24,518	87	65	19.729	2.302,160	10.261,855	4,457	3,995
38	16	97.028	37.965,566	934.492,873	24,614	24,152	88	66	16.630	1.893,130	7.959,696	4,205	3,742
39	17	96.874	36.980,705	896.527,307	24,243	23,781	89	67	13.752	1.527,324	6.066,566	3,972	3,510
40	18	96.703	36.015,203	859.546,602	23,866	23,404	90	68	11.165	1.209,739	4.539,242	3,752	3,290
41	19	96.509	35.066,184	823.531,399	23,485	23,023	91	69	8.896	940,373	3.329,503	3,541	3,078
42	20	96.299	34.136,456	788.465,215	23,097	22,635	92	70	6.914	713,081	2.389,130	3,350	2,888
43	21	96.056	33.219,910	754.328,759	22,707	22,245	93	71	5.249	528,125	1.676,049	3,174	2,711
44	22	95.795	32.321,527	721.108,849	22,310	21,848	94	72	3.885	381,353	1.147,924	3,010	2,548
45	23	95.512	31.440,084	688.787,322	21,908	21,446	95	73	2.800	268,204	766,571	2,858	2,396
46	24	95.193	30.570,891	657.347,238	21,502	21,040	96	74	1.963	183,396	498,367	2,717	2,255
47	25	94.844	29.715,950	626.776,346	21,092	20,630	97	75	1.336	121,774	314,971	2,587	2,124
48	26	94.466	28.875,404	597.060,397	20,677	20,215	98	76	881	78,358	193,198	2,466	2,003
49	27	94.054	28.048,264	568.184,993	20,257	19,795	99	77	563	48,811	114,839	2,353	1,890
							100	78	347	29,381	66,028	2,247	1,785

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 23 Jahre

Zinsfuß 2,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	27	93.631	27.241,340	540.947,232	19,858	19,395
1							51	28	93.140	26.437,513	513.705,892	19,431	18,969
2							52	29	92.630	25.651,452	487.268,379	18,996	18,533
3							53	30	92.060	24.871,752	461.616,927	18,560	18,097
4							54	31	91.451	24.104,708	436.745,175	18,119	17,656
5							55	32	90.798	23.348,765	412.640,467	17,673	17,210
6							56	33	90.086	22.600,732	389.291,702	17,225	16,762
7							57	34	89.345	21.868,076	366.690,970	16,768	16,306
8							58	35	88.531	21.140,187	344.822,894	16,311	15,849
9							59	36	87.642	20.417,562	323.682,707	15,853	15,391
10							60	37	86.672	19.699,049	303.265,145	15,395	14,932
11							61	38	85.643	18.990,563	283.566,096	14,932	14,470
12							62	39	84.555	18.292,037	264.575,533	14,464	14,002
13							63	40	83.350	17.591,421	246.283,496	14,000	13,538
14							64	41	82.074	16.899,635	228.692,075	13,532	13,070
15							65	42	80.699	16.211,207	211.792,440	13,065	12,602
16							66	43	79.196	15.521,352	195.581,233	12,601	12,138
17							67	44	77.580	14.833,751	180.059,882	12,139	11,676
18							68	45	75.813	14.142,248	165.226,130	11,683	11,221
19							69	46	73.903	13.449,784	151.083,882	11,233	10,771
20							70	47	71.871	12.760,872	137.634,098	10,786	10,323
21							71	48	69.685	12.071,071	124.873,226	10,345	9,882
22							72	49	67.348	11.381,620	112.802,155	9,911	9,448
23	0	98.831	56.007,351	1.639.580,317	29,274	28,812	73	50	64.820	10.687,318	101.420,535	9,490	9,027
24	1	98.383	54.393,502	1.583.572,965	29,113	28,651	74	51	62.149	9.996,938	90.733,216	9,076	8,614
25	2	98.276	53.009,335	1.529.179,463	28,847	28,385	75	52	59.345	9.313,097	80.736,279	8,669	8,207
26	3	98.185	51.668,378	1.476.170,128	28,570	28,108	76	53	56.430	8.639,657	71.423,182	8,267	7,804
27	4	98.098	50.363,477	1.424.501,750	28,284	27,822	77	54	53.446	7.983,161	62.783,525	7,864	7,402
28	5	98.015	49.093,620	1.374.138,273	27,990	27,528	78	55	50.345	7.336,533	54.800,364	7,470	7,007
29	6	97.930	47.854,752	1.325.044,653	27,689	27,226	79	56	47.109	6.697,647	47.463,831	7,087	6,624
30	7	97.852	46.650,427	1.277.189,901	27,378	26,915	80	57	43.796	6.074,664	40.766,185	6,711	6,248
31	8	97.772	45.475,401	1.230.539,474	27,059	26,597	81	58	40.360	5.461,567	34.691,521	6,352	5,890
32	9	97.686	44.326,954	1.185.064,073	26,735	26,272	82	59	36.868	4.867,322	29.229,954	6,005	5,543
33	10	97.599	43.207,588	1.140.737,118	26,401	25,939	83	60	33.237	4.281,011	24.362,632	5,691	5,228
34	11	97.506	42.113,225	1.097.529,531	26,061	25,599	84	61	29.686	3.730,374	20.081,622	5,383	4,921
35	12	97.403	41.042,983	1.055.416,306	25,715	25,252	85	62	26.264	3.219,870	16.351,248	5,078	4,616
36	13	97.293	39.996,634	1.014.373,323	25,361	24,899	86	63	23.066	2.758,825	13.131,377	4,760	4,297
37	14	97.174	38.973,281	974.376,689	25,001	24,539	87	64	19.875	2.319,119	10.372,552	4,473	4,010
38	15	97.045	37.972,351	935.403,408	24,634	24,171	88	65	16.766	1.908,719	8.053,433	4,219	3,757
39	16	96.894	36.988,538	897.431,057	24,262	23,800	89	66	13.877	1.541,283	6.144,714	3,987	3,524
40	17	96.724	36.023,129	860.442,519	23,886	23,423	90	67	11.279	1.222,162	4.603,432	3,767	3,304
41	18	96.537	35.076,271	824.419,390	23,504	23,041	91	68	8.998	951,253	3.381,270	3,555	3,092
42	19	96.325	34.145,921	789.343,119	23,117	22,654	92	69	7.003	722,297	2.430,017	3,364	2,902
43	20	96.086	33.230,406	755.197,198	22,726	22,264	93	70	5.324	535,740	1.707,720	3,188	2,725
44	21	95.818	32.329,437	721.966,791	22,332	21,869	94	71	3.949	387,638	1.171,980	3,023	2,561
45	22	95.538	31.448,599	689.637,354	21,929	21,467	95	72	2.852	273,128	784,343	2,872	2,409
46	23	95.218	30.578,869	658.188,756	21,524	21,062	96	73	2.004	187,210	511,215	2,731	2,268
47	24	94.870	29.724,025	627.609,886	21,115	20,652	97	74	1.367	124,610	324,005	2,600	2,138
48	25	94.489	28.882,511	597.885,861	20,701	20,238	98	75	905	80,444	199,395	2,479	2,016
49	26	94.080	28.056,118	569.003,350	20,281	19,818	99	76	579	50,266	118,951	2,366	1,904
							100	77	359	30,369	68,685	2,262	1,799

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 24 Jahre

Zinsfuß 2,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	26	93.658	27.248,969	541.690,745	19,879	19,417
1							51	27	93.167	26.445,220	514.441,776	19,453	18,991
2							52	28	92.658	25.659,069	487.996,557	19,018	18,556
3							53	29	92.087	24.879,034	462.337,488	18,583	18,121
4							54	30	91.481	24.112,603	437.458,454	18,142	17,680
5							55	31	90.830	23.357,108	413.345,851	17,697	17,234
6							56	32	90.118	22.608,771	389.988,742	17,249	16,787
7							57	33	89.381	21.876,817	367.379,972	16,793	16,331
8							58	34	88.572	21.150,103	345.503,154	16,336	15,873
9							59	35	87.687	20.428,020	324.353,051	15,878	15,415
10							60	36	86.721	19.710,195	303.925,031	15,420	14,957
11							61	37	85.696	19.002,215	284.214,837	14,957	14,495
12							62	38	84.615	18.304,842	265.212,622	14,489	14,026
13							63	39	83.417	17.605,510	246.907,780	14,024	13,562
14							64	40	82.145	16.914,350	229.302,270	13,557	13,094
15							65	41	80.779	16.227,247	212.387,920	13,088	12,626
16							66	42	79.285	15.538,828	196.160,673	12,624	12,161
17							67	43	77.681	14.853,031	180.621,845	12,161	11,698
18							68	44	75.918	14.161,962	165.768,814	11,705	11,243
19							69	45	74.020	13.471,149	151.606,852	11,254	10,792
20							70	46	72.000	12.783,831	138.135,703	10,806	10,343
21							71	47	69.821	12.094,591	125.351,872	10,364	9,902
22							72	48	67.491	11.405,800	113.257,281	9,930	9,467
23							73	49	64.977	10.713,102	101.851,481	9,507	9,045
24	0	98.758	54.600,818	1.584.698,245	29,023	28,561	74	50	62.306	10.022,260	91.138,379	9,094	8,631
25	1	98.312	53.028,327	1.530.097,427	28,854	28,392	75	51	59.510	9.339,033	81.116,119	8,686	8,223
26	2	98.204	51.678,596	1.477.069,101	28,582	28,119	76	52	56.601	8.665,856	71.777,085	8,283	7,820
27	3	98.115	50.372,124	1.425.390,505	28,297	27,835	77	53	53.615	8.008,448	63.111,230	7,881	7,418
28	4	98.028	49.099,961	1.375.018,381	28,004	27,542	78	54	50.520	7.362,140	55.102,782	7,485	7,022
29	5	97.943	47.861,009	1.325.918,420	27,704	27,241	79	55	47.288	6.723,106	47.740,642	7,101	6,639
30	6	97.861	46.654,726	1.278.057,411	27,394	26,932	80	56	43.972	6.099,150	41.017,536	6,725	6,263
31	7	97.781	45.479,362	1.231.402,685	27,076	26,614	81	57	40.541	5.486,051	34.918,386	6,365	5,903
32	8	97.695	44.331,210	1.185.923,324	26,751	26,289	82	58	37.046	4.890,875	29.432,334	6,018	5,555
33	9	97.606	43.210,380	1.141.592,114	26,419	25,957	83	59	33.407	4.302,885	24.541,459	5,703	5,241
34	10	97.514	42.116,767	1.098.381,734	26,079	25,617	84	60	29.851	3.751,021	20.238,574	5,395	4,933
35	11	97.413	41.046,832	1.056.264,967	25,733	25,271	85	61	26.413	3.238,092	16.487,553	5,092	4,629
36	12	97.301	40.000,031	1.015.218,135	25,380	24,918	86	62	23.212	2.776,296	13.249,461	4,772	4,310
37	13	97.183	38.977,057	975.218,104	25,020	24,558	87	63	20.011	2.335,001	10.473,165	4,485	4,023
38	14	97.057	37.976,776	936.241,047	24,653	24,191	88	64	16.890	1.922,780	8.138,164	4,232	3,770
39	15	96.912	36.995,148	898.264,271	24,281	23,818	89	65	13.992	1.553,974	6.215,384	4,000	3,537
40	16	96.745	36.030,759	861.269,123	23,904	23,441	90	66	11.382	1.233,332	4.661,409	3,780	3,317
41	17	96.558	35.083,991	825.238,363	23,522	23,059	91	67	9.091	9.091,022	3.428,077	3,567	3,105
42	18	96.353	34.155,744	790.154,373	23,134	22,671	92	68	7.084	7.084,654	2.467,056	3,377	2,914
43	19	96.113	33.239,620	755.998,629	22,744	22,281	93	69	5.393	5.393,663	1.736,402	3,200	2,737
44	20	95.849	32.339,652	722.759,008	22,349	21,887	94	70	4.006	3.993,227	1.193,739	3,036	2,573
45	21	95.561	31.456,295	690.419,356	21,949	21,486	95	71	2.899	2.899,629	800,512	2,883	2,421
46	22	95.244	30.587,151	658.963,061	21,544	21,081	96	72	2.040	1.904,647	522,884	2,743	2,280
47	23	94.895	29.731,782	628.375,911	21,135	20,672	97	73	1.395	1.272,202	332,237	2,612	2,149
48	24	94.515	28.890,360	598.644,129	20,721	20,259	98	74	926	82,318	205,035	2,491	2,028
49	25	94.103	28.063,023	569.753,768	20,303	19,840	99	75	595	51,604	122,717	2,378	1,916
							100	76	369	31,275	71,113	2,274	1,811

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 25 Jahre

Zinsfuß 2,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	25	93.681	27.255,675	542.372,454	19,899	19,437
1							51	26	93.194	26.452,625	515.116,779	19,473	19,011
2							52	27	92.685	25.666,549	488.664,153	19,039	18,577
3							53	28	92.114	24.886,421	462.997,605	18,604	18,142
4							54	29	91.508	24.119,663	438.111,184	18,164	17,702
5							55	30	90.860	23.364,758	413.991,520	17,719	17,256
6							56	31	90.151	22.616,850	390.626,762	17,271	16,809
7							57	32	89.413	21.884,599	368.009,912	16,816	16,354
8							58	33	88.607	21.158,558	346.125,314	16,359	15,896
9							59	34	87.728	20.437,602	324.966,756	15,900	15,438
10							60	35	86.765	19.720,290	304.529,154	15,442	14,980
11							61	36	85.744	19.012,966	284.808,864	14,980	14,517
12							62	37	84.667	18.316,074	265.795,898	14,512	14,049
13							63	38	83.475	17.617,834	247.479,824	14,047	13,585
14							64	39	82.211	16.927,897	229.861,990	13,579	13,116
15							65	40	80.849	16.241,377	212.934,094	13,111	12,648
16							66	41	79.364	15.554,203	196.692,717	12,646	12,183
17							67	42	77.768	14.869,754	181.138,514	12,182	11,719
18							68	43	76.017	14.180,368	166.268,759	11,725	11,263
19							69	44	74.124	13.489,927	152.088,391	11,274	10,812
20							70	45	72.114	12.804,139	138.598,464	10,825	10,362
21							71	46	69.947	12.116,351	125.794,325	10,382	9,920
22							72	47	67.622	11.428,023	113.677,973	9,947	9,485
23							73	48	65.115	10.735,861	102.249,950	9,524	9,062
24							74	49	62.457	10.046,439	91.514,089	9,109	8,647
25	0	98.686	53.230,439	1.531.144,422	28,764	28,302	75	50	59.661	9.362,690	81.467,650	8,701	8,239
26	1	98.240	51.697,111	1.477.913,983	28,588	28,126	76	51	56.759	8.689,990	72.104,960	8,297	7,835
27	2	98.134	50.382,085	1.426.216,872	28,308	27,846	77	52	53.778	8.032,733	63.414,970	7,895	7,432
28	3	98.045	49.108,390	1.375.834,787	28,016	27,554	78	53	50.680	7.385,460	55.382,238	7,499	7,036
29	4	97.956	47.867,191	1.326.726,397	27,717	27,254	79	54	47.454	6.746,572	47.996,778	7,114	6,652
30	5	97.874	46.660,825	1.278.859,205	27,408	26,945	80	55	44.139	6.122,334	41.250,206	6,738	6,275
31	6	97.790	45.483,553	1.232.198,380	27,091	26,629	81	56	40.704	5.508,165	35.127,871	6,377	5,915
32	7	97.704	44.335,071	1.186.714,827	26,767	26,305	82	57	37.212	4.912,801	29.619,706	6,029	5,567
33	8	97.615	43.214,528	1.142.379,756	26,435	25,973	83	58	33.569	4.323,707	24.706,905	5,714	5,252
34	9	97.520	42.119,488	1.099.165,228	26,096	25,634	84	59	30.003	3.770,187	20.383,198	5,406	4,944
35	10	97.421	41.050,284	1.057.045,740	25,750	25,288	85	60	26.559	3.256,014	16.613,011	5,102	4,640
36	11	97.311	40.003,782	1.015.995,456	25,397	24,935	86	61	23.344	2.792,008	13.356,996	4,784	4,322
37	12	97.192	38.980,368	975.991,673	25,038	24,576	87	62	20.137	2.349,788	10.564,989	4,496	4,034
38	13	97.066	37.980,456	937.011,305	24,671	24,208	88	63	17.006	1.935,948	8.215,200	4,244	3,781
39	14	96.923	36.999,459	899.030,849	24,298	23,836	89	64	14.095	1.565,422	6.279,252	4,011	3,549
40	15	96.762	36.037,198	862.031,390	23,921	23,458	90	65	11.476	1.243,488	4.713,830	3,791	3,328
41	16	96.578	35.091,422	825.994,192	23,538	23,076	91	66	9.174	969,805	3.470,343	3,578	3,116
42	17	96.374	34.163,261	790.902,770	23,151	22,688	92	67	7.157	738,157	2.500,538	3,388	2,925
43	18	96.141	33.249,183	756.739,509	22,760	22,297	93	68	5.456	548,942	1.762,381	3,211	2,748
44	19	95.875	32.348,619	723.490,326	22,365	21,903	94	69	4.058	398,308	1.213,439	3,046	2,584
45	20	95.591	31.466,234	691.141,707	21,965	21,502	95	70	2.941	281,632	815,131	2,894	2,432
46	21	95.267	30.594,636	659.675,473	21,562	21,099	96	71	2.074	193,789	533,499	2,753	2,291
47	22	94.921	29.739,834	629.080,837	21,153	20,690	97	72	1.421	129,537	339,710	2,622	2,160
48	23	94.539	28.897,900	599.341,003	20,740	20,278	98	73	945	84,030	210,173	2,501	2,039
49	24	94.129	28.070,650	570.443,104	20,322	19,859	99	74	609	52,806	126,143	2,389	1,926
							100	75	379	32,107	73,337	2,284	1,822

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 0 Jahre

Zinsfuß 2,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	0	100.000	100.000,000	3.134.767,656	31,348	30,885	50	50	91.638	23.603,895	416.647,542	17,652	17,189
1	1	99.166	96.511,736	3.034.767,656	31,445	30,982	51	51	90.953	22.800,571	393.043,648	17,238	16,776
2	2	99.090	93.857,124	2.938.255,921	31,306	30,843	52	52	90.231	22.014,064	370.243,077	16,818	16,356
3	3	99.051	91.308,686	2.844.398,797	31,151	30,689	53	53	89.431	21.234,835	348.229,012	16,399	15,936
4	4	99.016	88.833,439	2.753.090,111	30,992	30,529	54	54	88.588	20.471,759	326.994,178	15,973	15,510
5	5	98.990	86.433,143	2.664.256,672	30,824	30,362	55	55	87.680	19.719,740	306.522,419	15,544	15,081
6	6	98.963	84.097,333	2.577.823,528	30,653	30,190	56	56	86.694	18.976,168	286.802,679	15,114	14,651
7	7	98.942	81.829,473	2.493.726,195	30,475	30,012	57	57	85.670	18.250,094	267.826,511	14,675	14,213
8	8	98.922	79.622,621	2.411.896,722	30,292	29,829	58	58	84.550	17.529,375	249.576,417	14,238	13,775
9	9	98.900	77.474,950	2.332.274,101	30,104	29,641	59	59	83.341	16.816,262	232.047,042	13,799	13,336
10	10	98.885	75.389,484	2.254.799,151	29,909	29,446	60	60	82.046	16.111,836	215.230,781	13,359	12,896
11	11	98.867	73.358,696	2.179.409,667	29,709	29,246	61	61	80.675	15.418,743	199.118,945	12,914	12,451
12	12	98.844	71.378,316	2.106.050,971	29,505	29,043	62	62	79.258	14.742,404	183.700,202	12,461	11,998
13	13	98.822	69.452,976	2.034.672,655	29,296	28,833	63	63	77.698	14.065,503	168.957,798	12,012	11,549
14	14	98.800	67.578,825	1.965.219,679	29,080	28,618	64	64	76.054	13.399,469	154.892,295	11,560	11,097
15	15	98.770	65.750,350	1.897.640,854	28,861	28,398	65	65	74.307	12.741,178	141.492,825	11,105	10,642
16	16	98.729	63.964,083	1.831.890,504	28,639	28,177	66	66	72.409	12.083,505	128.751,647	10,655	10,192
17	17	98.670	62.215,127	1.767.926,421	28,416	27,954	67	67	70.380	11.430,609	116.668,142	10,207	9,744
18	18	98.599	60.505,996	1.705.711,294	28,191	27,728	68	68	68.173	10.775,728	105.237,534	9,766	9,303
19	19	98.496	58.825,026	1.645.205,298	27,968	27,505	69	69	65.800	10.122,294	94.461,805	9,332	8,869
20	20	98.389	57.188,666	1.586.380,272	27,739	27,277	70	70	63.288	9.475,241	84.339,511	8,901	8,438
21	21	98.283	55.598,188	1.529.191,606	27,504	27,042	71	71	60.609	8.831,327	74.864,270	8,477	8,014
22	22	98.182	54.054,503	1.473.593,418	27,261	26,798	72	72	57.749	8.189,348	66.032,943	8,063	7,600
23	23	98.081	52.553,892	1.419.538,916	27,011	26,548	73	73	54.711	7.550,942	57.843,594	7,660	7,198
24	24	97.983	51.096,094	1.366.985,024	26,753	26,290	74	74	51.518	6.919,921	50.292,652	7,268	6,805
25	25	97.886	49.678,976	1.315.888,930	26,488	26,025	75	75	48.208	6.302,003	43.372,732	6,882	6,420
26	26	97.790	48.302,115	1.266.209,953	26,214	25,752	76	76	44.787	5.698,089	37.070,729	6,506	6,043
27	27	97.693	46.962,586	1.217.907,839	25,934	25,471	77	77	41.321	5.116,411	31.372,640	6,132	5,669
28	28	97.594	45.659,683	1.170.945,252	25,645	25,182	78	78	37.788	4.553,791	26.256,228	5,766	5,303
29	29	97.494	44.391,804	1.125.285,569	25,349	24,886	79	79	34.179	4.008,598	21.702,438	5,414	4,951
30	30	97.396	43.160,678	1.080.893,765	25,043	24,581	80	80	30.561	3.488,326	17.693,840	5,072	4,609
31	31	97.293	41.961,095	1.037.733,086	24,731	24,268	81	81	26.911	2.989,563	14.205,514	4,752	4,289
32	32	97.182	40.791,224	995.771,991	24,411	23,949	82	82	23.325	2.521,790	11.215,951	4,448	3,985
33	33	97.068	39.652,859	954.980,767	24,084	23,621	83	83	19.770	2.080,208	8.694,161	4,179	3,717
34	34	96.944	38.542,331	915.327,908	23,749	23,286	84	84	16.483	1.687,952	6.613,953	3,918	3,456
35	35	96.806	37.457,389	876.785,577	23,408	22,945	85	85	13.487	1.344,176	4.926,001	3,665	3,202
36	36	96.655	36.398,087	839.328,187	23,060	22,597	86	86	10.885	1.055,795	3.581,826	3,393	2,930
37	37	96.491	35.363,932	802.930,100	22,705	22,242	87	87	8.491	801,556	2.526,031	3,151	2,689
38	38	96.316	34.354,791	767.566,168	22,342	21,880	88	88	6.365	584,805	1.724,475	2,949	2,486
39	39	96.116	33.365,891	733.211,377	21,975	21,512	89	89	4.613	412,488	1.139,669	2,763	2,300
40	40	95.891	32.396,890	699.845,485	21,602	21,139	90	90	3.223	280,463	727,181	2,593	2,130
41	41	95.642	31.448,137	667.448,595	21,224	20,761	91	91	2.173	184,038	446,718	2,427	1,964
42	42	95.366	30.518,120	636.000,458	20,840	20,377	92	92	1.390	114,589	262,679	2,292	1,830
43	43	95.049	29.602,495	605.482,338	20,454	19,991	93	93	851	68,242	148,090	2,170	1,707
44	44	94.691	28.701,590	575.879,843	20,064	19,602	94	94	497	38,775	79,848	2,059	1,596
45	45	94.305	27.819,701	547.178,252	19,669	19,206	95	95	276	20,968	41,073	1,959	1,496
46	46	93.866	26.949,014	519.358,551	19,272	18,809	96	96	146	10,763	20,106	1,868	1,405
47	47	93.379	26.091,782	492.409,538	18,872	18,409	97	97	73	5,232	9,342	1,786	1,323
48	48	92.848	25.249,091	466.317,756	18,469	18,006	98	98	34	2,402	4,110	1,711	1,248
49	49	92.273	24.421,123	441.068,665	18,061	17,598	99	99	15	1,039	1,708	1,643	1,180
							100	100	6	0,423	0,668	1,582	1,119

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -1 Jahr

Zinsfuß 2,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	1	99.620	99.620,306	3.128.682,127	31,406	30,943	50	51	91.406	23.544,256	411.924,497	17,496	17,033
1	2	99.130	96.477,171	3.029.061,821	31,397	30,934	51	52	90.701	22.737,248	388.380,241	17,081	16,618
2	3	99.071	93.838,567	2.932.584,650	31,251	30,789	52	53	89.958	21.947,511	365.642,993	16,660	16,197
3	4	99.034	91.293,013	2.838.746,083	31,095	30,632	53	54	89.148	21.167,785	343.695,481	16,237	15,774
4	5	99.003	88.821,966	2.747.453,070	30,932	30,469	54	55	88.280	20.400,553	322.527,697	15,810	15,347
5	6	98.977	86.421,844	2.658.631,104	30,763	30,301	55	56	87.348	19.645,064	302.127,143	15,379	14,916
6	7	98.954	84.089,584	2.572.209,259	30,589	30,126	56	57	86.346	18.899,984	282.482,080	14,946	14,483
7	8	98.934	81.822,346	2.488.119,675	30,409	29,946	57	58	85.288	18.168,642	263.582,096	14,508	14,045
8	9	98.912	79.614,978	2.406.297,329	30,224	29,761	58	59	84.143	17.444,960	245.413,453	14,068	13,605
9	10	98.894	77.469,944	2.326.682,351	30,033	29,571	59	60	82.917	16.730,771	227.968,493	13,626	13,163
10	11	98.876	75.383,144	2.249.212,407	29,837	29,374	60	61	81.594	16.023,152	211.237,722	13,183	12,720
11	12	98.858	73.351,817	2.173.829,263	29,636	29,173	61	62	80.221	15.331,976	195.214,570	12,733	12,270
12	13	98.835	71.372,254	2.100.477,446	29,430	28,967	62	63	78.759	14.649,632	179.882,594	12,279	11,816
13	14	98.813	69.446,247	2.029.105,192	29,218	28,756	63	64	77.170	13.969,832	165.232,962	11,828	11,365
14	15	98.788	67.570,950	1.959.658,945	29,002	28,539	64	65	75.498	13.301,482	151.263,130	11,372	10,909
15	16	98.752	65.738,602	1.892.087,995	28,782	28,319	65	66	73.700	12.637,116	137.961,649	10,917	10,454
16	17	98.708	63.950,537	1.826.349,393	28,559	28,096	66	67	71.753	11.974,070	125.324,532	10,466	10,004
17	18	98.649	62.201,438	1.762.398,856	28,334	27,871	67	68	69.665	11.314,417	113.350,463	10,018	9,555
18	19	98.570	60.488,595	1.700.197,418	28,108	27,645	68	69	67.393	10.652,480	102.036,046	9,579	9,116
19	20	98.468	58.808,719	1.639.708,822	27,882	27,419	69	70	64.960	9.993,152	91.383,566	9,145	8,682
20	21	98.358	57.170,603	1.580.900,103	27,652	27,190	70	71	62.388	9.340,564	81.390,414	8,714	8,251
21	22	98.259	55.584,585	1.523.729,500	27,413	26,950	71	72	59.626	8.688,151	72.049,850	8,293	7,830
22	23	98.155	54.039,868	1.468.144,916	27,168	26,705	72	73	56.707	8.041,702	63.361,698	7,879	7,416
23	24	98.056	52.540,180	1.414.105,048	26,915	26,452	73	74	53.596	7.397,112	55.319,997	7,479	7,016
24	25	97.957	51.082,213	1.361.564,868	26,654	26,192	74	75	50.345	6.762,412	47.922,885	7,087	6,624
25	26	97.861	49.666,752	1.310.482,655	26,386	25,923	75	76	46.958	6.138,607	41.160,473	6,705	6,242
26	27	97.762	48.288,592	1.260.815,903	26,110	25,647	76	77	43.490	5.533,139	35.021,866	6,329	5,867
27	28	97.664	46.948,900	1.212.527,311	25,827	25,364	77	78	39.976	4.949,962	29.488,727	5,957	5,495
28	29	97.565	45.646,131	1.165.578,411	25,535	25,072	78	79	36.388	4.385,017	24.538,765	5,596	5,133
29	30	97.465	44.378,811	1.119.932,281	25,236	24,773	79	80	32.741	3.839,971	20.153,748	5,248	4,786
30	31	97.365	43.146,547	1.075.553,470	24,928	24,465	80	81	29.072	3.318,395	16.313,777	4,916	4,453
31	32	97.259	41.946,107	1.032.406,924	24,613	24,150	81	82	25.411	2.822,913	12.995,382	4,604	4,141
32	33	97.147	40.776,720	990.460,817	24,290	23,827	82	83	21.818	2.358,821	10.172,469	4,313	3,850
33	34	97.029	39.637,015	949.684,097	23,960	23,497	83	84	18.353	1.931,145	7.813,647	4,046	3,583
34	35	96.898	38.524,262	910.047,082	23,623	23,160	84	85	15.158	1.552,305	5.882,503	3,790	3,327
35	36	96.756	37.438,213	871.522,821	23,279	22,816	85	86	12.316	1.227,468	4.330,197	3,528	3,065
36	37	96.600	36.377,505	834.084,608	22,929	22,466	86	87	9.787	949,356	3.102,729	3,268	2,805
37	38	96.432	35.342,247	797.707,103	22,571	22,108	87	88	7.490	707,071	2.153,374	3,045	2,583
38	39	96.248	34.330,760	762.364,856	22,206	21,744	88	89	5.528	507,888	1.446,303	2,848	2,385
39	40	96.039	33.339,190	728.034,096	21,837	21,374	89	90	3.929	351,347	938,416	2,671	2,208
40	41	95.807	32.368,706	694.694,907	21,462	20,999	90	91	2.696	234,618	587,068	2,502	2,039
41	42	95.548	31.417,051	662.326,201	21,082	20,619	91	92	1.766	149,550	352,450	2,357	1,894
42	43	95.259	30.483,797	630.909,150	20,697	20,234	92	93	1.105	91,054	202,900	2,228	1,766
43	44	94.926	29.564,071	600.425,353	20,309	19,846	93	94	660	52,957	111,847	2,112	1,649
44	45	94.559	28.661,637	570.861,282	19,917	19,454	94	95	376	29,347	58,890	2,007	1,544
45	46	94.155	27.775,579	542.199,645	19,521	19,058	95	96	203	15,458	29,543	1,911	1,448
46	47	93.697	26.900,614	514.424,066	19,123	18,660	96	97	104	7,719	14,085	1,825	1,362
47	48	93.198	26.041,043	487.523,452	18,721	18,259	97	98	51	3,645	6,366	1,746	1,283
48	49	92.651	25.195,564	461.482,410	18,316	17,853	98	99	23	1,624	2,721	1,675	1,212
49	50	92.051	24.362,348	436.286,846	17,908	17,445	99	100	10	0,681	1,097	1,611	1,148
							100	101	4	0,268	0,416	1,552	1,089

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -2 Jahre

Zinsfuß 2,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	2	99.585	99.584,628	3.122.541,960	31,356	30,893	50	52	91.153	23.478,868	406.857,488	17,329	16,866
1	3	99.111	96.458,096	3.022.957,331	31,340	30,877	51	53	90.427	22.668,509	383.378,620	16,912	16,450
2	4	99.054	93.822,460	2.926.499,235	31,192	30,729	52	54	89.674	21.878,211	360.710,111	16,487	16,024
3	5	99.021	91.281,222	2.832.676,775	31,032	30,570	53	55	88.838	21.094,158	338.831,900	16,063	15,600
4	6	98.990	88.810,355	2.741.395,553	30,868	30,405	54	56	87.945	20.323,299	317.737,742	15,634	15,171
5	7	98.968	86.413,881	2.652.585,198	30,696	30,233	55	57	86.998	19.566,194	297.414,442	15,200	14,738
6	8	98.945	84.082,261	2.566.171,317	30,520	30,057	56	58	85.961	18.815,632	277.848,248	14,767	14,304
7	9	98.924	81.814,492	2.482.089,057	30,338	29,875	57	59	84.877	18.081,149	259.032,616	14,326	13,863
8	10	98.906	79.609,833	2.400.274,565	30,150	29,688	58	60	83.715	17.356,274	240.951,467	13,883	13,420
9	11	98.886	77.463,430	2.320.664,731	29,958	29,495	59	61	82.461	16.638,681	223.595,194	13,438	12,975
10	12	98.867	75.376,075	2.243.201,302	29,760	29,297	60	62	81.135	15.932,984	206.956,513	12,989	12,526
11	13	98.849	73.345,587	2.167.825,227	29,556	29,093	61	63	79.716	15.235,493	191.023,529	12,538	12,075
12	14	98.826	71.365,339	2.094.479,640	29,349	28,886	62	64	78.223	14.549,987	175.788,035	12,082	11,619
13	15	98.801	69.438,155	2.023.114,301	29,135	28,673	63	65	76.605	13.867,673	161.238,048	11,627	11,164
14	16	98.771	67.558,878	1.953.676,146	28,918	28,455	64	66	74.882	13.192,843	147.370,375	11,170	10,708
15	17	98.732	65.724,680	1.886.117,269	28,697	28,234	65	67	73.032	12.522,667	134.177,531	10,715	10,252
16	18	98.687	63.936,466	1.820.392,589	28,472	28,009	66	68	71.024	11.852,353	121.654,864	10,264	9,801
17	19	98.620	62.183,550	1.756.456,122	28,246	27,783	67	69	68.868	11.185,007	109.802,511	9,817	9,354
18	20	98.543	60.471,827	1.694.272,572	28,018	27,555	68	70	66.533	10.516,574	98.617,504	9,377	8,915
19	21	98.437	58.790,144	1.633.800,745	27,790	27,328	69	71	64.037	9.851,114	88.100,930	8,943	8,480
20	22	98.334	57.156,615	1.575.010,601	27,556	27,093	70	72	61.377	9.189,132	78.249,816	8,515	8,053
21	23	98.233	55.569,536	1.517.853,986	27,314	26,852	71	73	58.551	8.531,512	69.060,683	8,095	7,632
22	24	98.130	54.025,768	1.462.284,450	27,066	26,604	72	74	55.552	7.877,873	60.529,172	7,683	7,221
23	25	98.029	52.525,906	1.408.258,682	26,811	26,348	73	75	52.376	7.228,741	52.651,298	7,284	6,821
24	26	97.932	51.069,643	1.355.732,776	26,547	26,084	74	76	49.040	6.587,079	45.422,558	6,896	6,433
25	27	97.834	49.652,847	1.304.663,133	26,276	25,813	75	77	45.598	5.960,905	38.835,479	6,515	6,052
26	28	97.734	48.274,519	1.255.010,286	25,997	25,535	76	78	42.075	5.353,132	32.874,574	6,141	5,678
27	29	97.635	46.934,964	1.206.735,766	25,711	25,248	77	79	38.495	4.766,506	27.521,442	5,774	5,311
28	30	97.537	45.632,770	1.159.800,802	25,416	24,953	78	80	34.857	4.200,557	22.754,936	5,417	4,954
29	31	97.433	44.364,280	1.114.168,032	25,114	24,651	79	81	31.146	3.652,910	18.554,379	5,079	4,617
30	32	97.330	43.131,134	1.069.803,752	24,804	24,341	80	82	27.451	3.133,415	14.901,470	4,756	4,293
31	33	97.224	41.931,191	1.026.672,618	24,485	24,022	81	83	23.769	2.640,485	11.768,055	4,457	3,994
32	34	97.109	40.760,426	984.741,426	24,159	23,696	82	84	20.254	2.189,793	9.127,570	4,168	3,705
33	35	96.983	39.618,432	943.981,000	23,827	23,364	83	85	16.878	1.775,955	6.937,777	3,907	3,444
34	36	96.849	38.504,539	904.362,568	23,487	23,024	84	86	13.842	1.417,527	5.161,822	3,641	3,179
35	37	96.702	37.417,043	865.858,029	23,141	22,678	85	87	11.074	1.103,722	3.744,296	3,392	2,930
36	38	96.541	36.355,198	828.440,986	22,787	22,325	86	88	8.634	837,448	2.640,574	3,153	2,690
37	39	96.365	35.317,524	792.085,788	22,428	21,965	87	89	6.505	614,072	1.803,126	2,936	2,474
38	40	96.171	34.303,286	756.768,264	22,061	21,598	88	90	4.709	432,606	1.189,055	2,749	2,286
39	41	95.955	33.310,185	722.464,978	21,689	21,226	89	91	3.287	293,915	756,448	2,574	2,111
40	42	95.713	32.336,710	689.154,792	21,312	20,849	90	92	2.191	190,651	462,533	2,426	1,963
41	43	95.440	31.381,717	656.818,083	20,930	20,467	91	93	1.403	118,834	271,882	2,288	1,825
42	44	95.135	30.444,229	625.436,366	20,544	20,081	92	94	857	70,658	153,049	2,166	1,703
43	45	94.793	29.522,917	594.992,137	20,154	19,691	93	95	500	40,081	82,390	2,056	1,593
44	46	94.409	28.616,180	565.469,220	19,760	19,298	94	96	277	21,635	42,310	1,956	1,493
45	47	93.986	27.725,694	536.853,040	19,363	18,900	95	97	146	11,086	20,674	1,865	1,402
46	48	93.515	26.848,301	509.127,346	18,963	18,500	96	98	73	5,378	9,588	1,783	1,320
47	49	93.000	25.985,837	482.279,044	18,559	18,096	97	99	34	2,464	4,210	1,708	1,245
48	50	92.428	25.134,925	456.293,207	18,154	17,691	98	100	15	1,064	1,746	1,641	1,178
49	51	91.818	24.300,794	431.158,282	17,743	17,280	99	101	6	0,432	0,682	1,580	1,117
							100	102	2	0,164	0,250	1,524	1,061

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -3 Jahre

Zinsfuß 2,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	3	99.565	99.564,939	3.115.983,606	31,296	30,833	50	53	90.877	23.407,887	401.434,497	17,150	16,687
1	4	99.094	96.441,539	3.016.418,667	31,277	30,814	51	54	90.141	22.596,932	378.026,611	16,729	16,266
2	5	99.041	93.810,342	2.919.977,128	31,126	30,664	52	55	89.362	21.802,114	355.429,678	16,303	15,840
3	6	99.008	91.269,289	2.826.166,786	30,965	30,502	53	56	88.502	21.014,277	333.627,565	15,876	15,413
4	7	98.981	88.802,171	2.734.897,496	30,798	30,335	54	57	87.592	20.241,707	312.613,287	15,444	14,981
5	8	98.959	86.406,355	2.646.095,325	30,624	30,161	55	58	86.609	19.478,869	292.371,580	15,010	14,547
6	9	98.936	84.074,189	2.559.688,969	30,446	29,983	56	59	85.547	18.725,023	272.892,712	14,574	14,111
7	10	98.918	81.809,205	2.475.614,780	30,261	29,798	57	60	84.446	17.989,228	254.167,689	14,129	13,666
8	11	98.897	79.603,139	2.393.805,574	30,072	29,609	58	61	83.254	17.260,740	236.178,461	13,683	13,220
9	12	98.876	77.456,165	2.314.202,435	29,878	29,415	59	62	81.997	16.545,049	218.917,721	13,232	12,769
10	13	98.859	75.369,673	2.236.746,270	29,677	29,214	60	63	80.624	15.832,720	202.372,671	12,782	12,319
11	14	98.840	73.338,481	2.161.376,597	29,471	29,008	61	64	79.174	15.131,864	186.539,952	12,328	11,865
12	15	98.814	71.357,023	2.088.038,117	29,262	28,799	62	65	77.651	14.443,586	171.408,088	11,867	11,405
13	16	98.783	69.425,748	2.016.681,094	29,048	28,585	63	66	75.980	13.754,411	156.964,502	11,412	10,949
14	17	98.750	67.544,570	1.947.255,346	28,829	28,366	64	67	74.204	13.073,361	143.210,091	10,954	10,492
15	18	98.710	65.710,220	1.879.710,775	28,606	28,143	65	68	72.290	12.395,374	130.136,730	10,499	10,036
16	19	98.658	63.918,079	1.814.000,556	28,380	27,917	66	69	70.212	11.716,791	117.741,355	10,049	9,586
17	20	98.593	62.166,312	1.750.082,477	28,152	27,689	67	70	67.990	11.042,307	106.024,564	9,602	9,139
18	21	98.512	60.452,727	1.687.916,165	27,921	27,458	68	71	65.588	10.367,096	94.982,257	9,162	8,699
19	22	98.413	58.775,760	1.627.463,438	27,689	27,227	69	72	62.999	9.691,405	84.615,161	8,731	8,268
20	23	98.307	57.141,140	1.568.687,678	27,453	26,990	70	73	60.270	9.023,461	74.923,756	8,303	7,840
21	24	98.207	55.555,037	1.511.546,538	27,208	26,745	71	74	57.358	8.357,705	65.900,296	7,885	7,422
22	25	98.103	54.011,091	1.455.991,500	26,957	26,494	72	75	54.288	7.698,560	57.542,591	7,474	7,012
23	26	98.005	52.512,981	1.401.980,410	26,698	26,235	73	76	51.018	7.041,317	49.844,031	7,079	6,616
24	27	97.905	51.055,345	1.349.467,428	26,431	25,969	74	77	47.620	6.396,394	42.802,714	6,692	6,229
25	28	97.806	49.638,377	1.298.412,083	26,157	25,695	75	78	44.115	5.766,982	36.406,320	6,313	5,850
26	29	97.705	48.260,190	1.248.773,706	25,876	25,413	76	79	40.516	5.154,733	30.639,338	5,944	5,481
27	30	97.607	46.921,226	1.200.513,516	25,586	25,123	77	80	36.875	4.565,997	25.484,605	5,581	5,119
28	31	97.505	45.617,829	1.153.592,290	25,288	24,825	78	81	33.159	3.995,929	20.918,608	5,235	4,772
29	32	97.398	44.348,433	1.107.974,461	24,983	24,521	79	82	29.410	3.449,282	16.922,679	4,906	4,443
30	33	97.295	43.115,798	1.063.626,028	24,669	24,206	80	83	25.677	2.930,920	13.473,396	4,597	4,134
31	34	97.185	41.914,437	1.020.510,230	24,347	23,885	81	84	22.066	2.451,273	10.542,476	4,301	3,838
32	35	97.063	40.741,317	978.595,793	24,020	23,557	82	85	18.626	2.013,818	8.091,203	4,018	3,555
33	36	96.934	39.598,150	937.854,477	23,684	23,221	83	86	15.413	1.621,758	6.077,385	3,747	3,285
34	37	96.794	38.482,766	898.256,327	23,342	22,879	84	87	12.447	1.274,620	4.455,627	3,496	3,033
35	38	96.642	37.394,098	859.773,561	22,992	22,529	85	88	9.769	973,617	3.181,007	3,267	2,804
36	39	96.474	36.329,767	822.379,462	22,637	22,174	86	89	7.498	727,301	2.207,389	3,035	2,572
37	40	96.288	35.289,261	786.049,696	22,274	21,812	87	90	5.541	523,051	1.480,089	2,830	2,367
38	41	96.088	34.273,443	750.760,435	21,905	21,442	88	91	3.939	361,891	957,038	2,645	2,182
39	42	95.860	33.277,259	716.486,992	21,531	21,068	89	92	2.671	238,836	595,146	2,492	2,029
40	43	95.605	32.300,342	683.209,733	21,152	20,689	90	93	1.741	151,493	356,310	2,352	1,889
41	44	95.316	31.340,983	650.909,392	20,769	20,306	91	94	1.089	92,216	204,817	2,221	1,758
42	45	95.003	30.401,850	619.568,409	20,379	19,916	92	95	649	53,478	112,601	2,106	1,643
43	46	94.643	29.476,094	589.166,559	19,988	19,525	93	96	368	29,548	59,123	2,001	1,538
44	47	94.239	28.564,786	559.690,465	19,594	19,131	94	97	199	15,516	29,575	1,906	1,443
45	48	93.804	27.671,778	531.125,679	19,194	18,731	95	98	102	7,724	14,058	1,820	1,357
46	49	93.317	26.791,385	503.453,902	18,792	18,329	96	99	49	3,636	6,334	1,742	1,279
47	50	92.776	25.923,297	476.662,517	18,387	17,925	97	100	22	1,614	2,699	1,672	1,209
48	51	92.195	25.071,419	450.739,220	17,978	17,515	98	101	10	0,674	1,084	1,607	1,145
49	52	91.563	24.233,304	425.667,802	17,565	17,103	99	102	4	0,264	0,410	1,549	1,087
							100	103	1	0,097	0,145	1,497	1,034

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -4 Jahre

Zinsfuß 2,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	4	99.548	99.547,849	3.108.971,805	31,231	30,768	50	54	90.590	23.333,975	395.644,328	16,956	16,493
1	5	99.081	96.429,083	3.009.423,956	31,209	30,746	51	55	89.828	22.518,335	372.310,353	16,534	16,071
2	6	99.028	93.798,079	2.912.994,873	31,056	30,593	52	56	89.024	21.719,552	349.792,018	16,105	15,642
3	7	98.999	91.260,879	2.819.196,794	30,892	30,429	53	57	88.146	20.929,911	328.072,466	15,675	15,212
4	8	98.972	88.794,438	2.727.935,914	30,722	30,259	54	58	87.201	20.151,366	307.142,555	15,242	14,779
5	9	98.949	86.398,061	2.639.141,477	30,546	30,083	55	59	86.192	19.385,066	286.991,189	14,805	14,342
6	10	98.929	84.068,757	2.552.743,416	30,365	29,902	56	60	85.112	18.629,829	267.606,123	14,364	13,902
7	11	98.910	81.802,326	2.468.674,659	30,179	29,716	57	61	83.981	17.890,211	248.976,295	13,917	13,454
8	12	98.888	79.595,674	2.386.872,333	29,987	29,525	58	62	82.786	17.163,608	231.086,084	13,464	13,001
9	13	98.868	77.449,587	2.307.276,659	29,791	29,328	59	63	81.481	16.440,933	213.922,476	13,012	12,549
10	14	98.849	75.362,370	2.229.827,072	29,588	29,125	60	64	80.076	15.725,028	197.481,543	12,558	12,096
11	15	98.828	73.329,935	2.154.464,702	29,380	28,918	61	65	78.595	15.021,208	181.756,514	12,100	11,637
12	16	98.796	71.344,273	2.081.134,767	29,170	28,707	62	66	77.017	14.325,620	166.735,307	11,639	11,176
13	17	98.763	69.411,046	2.009.790,493	28,955	28,492	63	67	75.292	13.629,843	152.409,687	11,182	10,719
14	18	98.728	67.529,709	1.940.379,448	28,734	28,271	64	68	73.449	12.940,471	138.779,845	10,724	10,262
15	19	98.681	65.691,322	1.872.849,738	28,510	28,047	65	69	71.463	12.253,601	125.839,374	10,270	9,807
16	20	98.631	63.900,360	1.807.158,417	28,281	27,818	66	70	69.316	11.567,306	113.585,772	9,820	9,357
17	21	98.562	62.146,676	1.743.258,056	28,051	27,588	67	71	67.023	10.885,357	102.018,466	9,372	8,909
18	22	98.488	60.437,936	1.681.111,380	27,815	27,353	68	72	64.524	10.199,022	91.133,110	8,935	8,473
19	23	98.386	58.759,847	1.620.673,444	27,581	27,118	69	73	61.863	9.516,678	80.934,088	8,504	8,042
20	24	98.282	57.126,232	1.561.913,597	27,341	26,879	70	74	59.042	8.839,631	71.417,410	8,079	7,616
21	25	98.180	55.539,944	1.504.787,365	27,094	26,631	71	75	56.053	8.167,469	62.577,778	7,662	7,199
22	26	98.079	53.997,800	1.449.247,421	26,839	26,376	72	76	52.880	7.498,955	54.410,309	7,256	6,793
23	27	97.978	52.498,280	1.395.249,621	26,577	26,114	73	77	49.542	6.837,483	46.911,355	6,861	6,398
24	28	97.877	51.040,466	1.342.751,341	26,308	25,845	74	78	46.071	6.188,303	40.073,872	6,476	6,013
25	29	97.776	49.623,643	1.291.710,875	26,030	25,567	75	79	42.480	5.553,245	33.885,569	6,102	5,639
26	30	97.676	48.246,064	1.242.087,231	25,745	25,282	76	80	38.812	4.937,894	28.332,323	5,738	5,275
27	31	97.575	46.905,863	1.193.841,167	25,452	24,989	77	81	35.079	4.343,568	23.394,430	5,386	4,923
28	32	97.470	45.601,534	1.146.935,304	25,151	24,688	78	82	31.311	3.773,181	19.050,862	5,049	4,586
29	33	97.364	44.332,664	1.101.333,770	24,842	24,380	79	83	27.509	3.226,375	15.277,682	4,735	4,272
30	34	97.256	43.098,570	1.057.001,107	24,525	24,062	80	84	23.837	2.720,897	12.051,306	4,429	3,966
31	35	97.140	41.894,786	1.013.902,537	24,201	23,738	81	85	20.293	2.254,285	9.330,410	4,139	3,676
32	36	97.013	40.720,459	972.007,750	23,870	23,407	82	86	17.009	1.838,969	7.076,124	3,848	3,385
33	37	96.879	39.575,758	931.287,291	23,532	23,069	83	87	13.859	1.458,262	5.237,155	3,591	3,129
34	38	96.735	38.459,168	891.711,533	23,186	22,723	84	88	10.980	1.124,371	3.778,894	3,361	2,898
35	39	96.575	37.367,941	853.252,365	22,834	22,371	85	89	8.484	845,560	2.654,523	3,139	2,677
36	40	96.396	36.300,693	815.884,424	22,476	22,013	86	90	6.387	619,497	1.808,963	2,920	2,457
37	41	96.204	35.258,560	779.583,731	22,110	21,648	87	91	4.635	437,552	1.189,466	2,718	2,256
38	42	95.993	34.239,564	744.325,171	21,739	21,276	88	92	3.201	294,073	751,914	2,557	2,094
39	43	95.753	33.239,833	710.085,607	21,362	20,900	89	93	2.122	189,781	457,841	2,412	1,950
40	44	95.481	32.258,415	676.845,774	20,982	20,519	90	94	1.351	117,560	268,060	2,280	1,817
41	45	95.184	31.297,356	644.587,359	20,596	20,133	91	95	824	69,795	150,500	2,156	1,694
42	46	94.852	30.353,632	613.290,003	20,205	19,742	92	96	478	39,426	80,705	2,047	1,584
43	47	94.473	29.423,155	582.936,371	19,812	19,349	93	97	264	21,191	41,280	1,948	1,485
44	48	94.056	28.509,237	553.513,216	19,415	18,952	94	98	138	10,811	20,089	1,858	1,395
45	49	93.605	27.613,115	525.003,978	19,013	18,550	95	99	69	5,222	9,278	1,777	1,314
46	50	93.092	26.726,905	497.390,863	18,610	18,147	96	100	32	2,382	4,056	1,703	1,240
47	51	92.542	25.857,798	470.663,958	18,202	17,739	97	101	14	1,023	1,674	1,636	1,173
48	52	91.939	25.001,789	444.806,160	17,791	17,328	98	102	6	0,413	0,651	1,575	1,113
49	53	91.287	24.160,042	419.804,370	17,376	16,913	99	103	2	0,156	0,238	1,520	1,057
							100	104	1	0,055	0,081	1,470	1,007

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -5 Jahre

Zinsfuß 2,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	5	99.535	99.534,992	3.101.485,472	31,160	30,697	50	55	90.275	23.252,814	389.474,123	16,750	16,287
1	6	99.068	96.416,478	3.001.950,480	31,135	30,672	51	56	89.487	22.433,061	366.221,308	16,325	15,862
2	7	99.019	93.789,436	2.905.534,002	30,979	30,517	52	57	88.666	21.632,354	343.788,247	15,892	15,429
3	8	98.990	91.252,931	2.811.744,566	30,813	30,350	53	58	87.753	20.836,499	322.155,893	15,461	14,998
4	9	98.963	88.785,914	2.720.491,634	30,641	30,178	54	59	86.781	20.054,325	301.319,394	15,025	14,562
5	10	98.943	86.392,478	2.631.705,720	30,462	29,999	55	60	85.754	19.286,516	281.265,070	14,584	14,121
6	11	98.921	84.061,687	2.545.313,242	30,279	29,816	56	61	84.644	18.527,285	261.978,553	14,140	13,677
7	12	98.900	81.794,655	2.461.251,555	30,091	29,628	57	62	83.508	17.789,537	243.451,268	13,685	13,222
8	13	98.880	79.588,914	2.379.456,900	29,897	29,434	58	63	82.265	17.055,599	225.661,732	13,231	12,768
9	14	98.858	77.442,083	2.299.867,986	29,698	29,235	59	64	80.926	16.329,104	208.606,132	12,775	12,312
10	15	98.838	75.353,589	2.222.425,903	29,493	29,030	60	65	79.490	15.610,034	192.277,028	12,318	11,855
11	16	98.811	73.316,833	2.147.072,315	29,285	28,822	61	66	77.953	14.898,524	176.666,994	11,858	11,395
12	17	98.775	71.329,165	2.073.755,482	29,073	28,610	62	67	76.320	14.195,879	161.768,470	11,395	10,933
13	18	98.741	69.395,774	2.002.426,317	28,855	28,392	63	68	74.526	13.491,295	147.572,592	10,938	10,476
14	19	98.700	67.510,288	1.933.030,543	28,633	28,170	64	69	72.609	12.792,463	134.081,296	10,481	10,018
15	20	98.654	65.673,112	1.865.520,255	28,406	27,943	65	70	70.552	12.097,268	121.288,833	10,026	9,563
16	21	98.600	63.880,177	1.799.847,143	28,175	27,713	66	71	68.331	11.402,894	109.191,565	9,576	9,113
17	22	98.538	62.131,471	1.735.966,966	27,940	27,477	67	72	65.937	10.708,880	97.788,671	9,132	8,669
18	23	98.461	60.421,573	1.673.835,495	27,703	27,240	68	73	63.361	10.015,143	87.079,791	8,695	8,232
19	24	98.361	58.744,516	1.613.413,922	27,465	27,002	69	74	60.603	9.322,801	77.064,649	8,266	7,803
20	25	98.255	57.110,712	1.554.669,406	27,222	26,759	70	75	57.698	8.638,426	67.741,848	7,842	7,379
21	26	98.156	55.526,278	1.497.558,694	26,970	26,507	71	76	54.600	7.955,707	59.103,422	7,429	6,966
22	27	98.052	53.982,683	1.442.032,417	26,713	26,250	72	77	51.349	7.281,873	51.147,715	7,024	6,561
23	28	97.949	52.482,980	1.388.049,733	26,448	25,985	73	78	47.930	6.615,042	43.865,842	6,631	6,168
24	29	97.847	51.025,316	1.335.566,753	26,175	25,712	74	79	44.363	5.958,952	37.250,800	6,251	5,788
25	30	97.748	49.609,118	1.284.541,437	25,893	25,430	75	80	40.693	5.319,641	31.291,849	5,882	5,420
26	31	97.644	48.230,267	1.234.932,319	25,605	25,142	76	81	36.921	4.697,347	25.972,207	5,529	5,066
27	32	97.540	46.889,108	1.186.702,051	25,309	24,846	77	82	33.124	4.101,440	21.274,860	5,187	4,724
28	33	97.435	45.585,319	1.139.812,943	25,004	24,541	78	83	29.287	3.529,342	17.173,420	4,866	4,403
29	34	97.325	44.314,949	1.094.227,625	24,692	24,229	79	84	25.538	2.995,180	13.644,077	4,555	4,093
30	35	97.211	43.078,364	1.049.912,675	24,372	23,909	80	85	21.922	2.502,241	10.648,897	4,256	3,793
31	36	97.090	41.873,338	1.006.834,311	24,045	23,582	81	86	18.531	2.058,558	8.146,656	3,957	3,495
32	37	96.958	40.697,433	964.960,973	23,711	23,248	82	87	15.294	1.653,574	6.088,098	3,682	3,219
33	38	96.820	39.551,490	924.263,539	23,369	22,906	83	88	12.225	1.286,365	4.434,524	3,447	2,985
34	39	96.667	38.432,265	884.712,049	23,020	22,557	84	89	9.535	976,485	3.148,159	3,224	2,761
35	40	96.497	37.338,037	846.279,784	22,665	22,203	85	90	7.226	720,227	2.171,674	3,015	2,552
36	41	96.313	36.269,112	808.941,748	22,304	21,841	86	91	5.343	518,233	1.451,446	2,801	2,338
37	42	96.109	35.223,707	772.672,635	21,936	21,473	87	92	3.766	355,555	933,213	2,625	2,162
38	43	95.885	34.201,056	737.448,928	21,562	21,099	88	93	2.543	233,673	577,659	2,472	2,009
39	44	95.628	33.196,687	703.247,872	21,184	20,721	89	94	1.647	147,272	343,985	2,336	1,873
40	45	95.348	32.213,511	670.051,185	20,800	20,337	90	95	1.022	88,976	196,713	2,211	1,748
41	46	95.033	31.247,718	637.837,674	20,412	19,949	91	96	608	51,454	107,737	2,094	1,631
42	47	94.682	30.299,118	606.589,956	20,020	19,557	92	97	343	28,275	56,283	1,991	1,528
43	48	94.289	29.365,937	576.290,838	19,624	19,162	93	98	184	14,765	28,008	1,897	1,434
44	49	93.857	28.448,799	546.924,901	19,225	18,762	94	99	94	7,308	13,243	1,812	1,349
45	50	93.379	27.546,658	518.476,101	18,822	18,359	95	100	45	3,421	5,935	1,735	1,272
46	51	92.857	26.659,376	490.929,443	18,415	17,952	96	101	20	1,510	2,514	1,665	1,202
47	52	92.285	25.785,985	464.270,067	18,005	17,542	97	102	9	0,627	1,004	1,602	1,139
48	53	91.661	24.926,204	438.484,082	17,591	17,128	98	103	3	0,244	0,377	1,544	1,082
49	54	90.998	24.083,756	413.557,878	17,172	16,709	99	104	1	0,089	0,133	1,492	1,029
							100	105	0	0,030	0,044	1,445	0,982

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -6 Jahre

Zinsfuß 2,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	6	99.522	99.521,980	3.093.502,745	31,084	30,621	50	56	89.933	23.164,759	382.916,628	16,530	16,067
1	7	99.059	96.407,594	2.993.980,764	31,055	30,593	51	57	89.128	22.342,998	359.751,869	16,101	15,639
2	8	99.010	93.781,268	2.897.573,171	30,897	30,434	52	58	88.271	21.535,807	337.408,871	15,667	15,205
3	9	98.981	91.244,172	2.803.791,903	30,728	30,266	53	59	87.330	20.736,158	315.873,064	15,233	14,770
4	10	98.956	88.780,177	2.712.547,731	30,554	30,091	54	60	86.340	19.952,373	295.136,906	14,792	14,329
5	11	98.935	86.385,213	2.623.767,553	30,373	29,910	55	61	85.282	19.180,358	275.184,533	14,347	13,884
6	12	98.912	84.053,804	2.537.382,340	30,188	29,725	56	62	84.167	18.423,026	256.004,174	13,896	13,433
7	13	98.892	81.787,708	2.453.328,536	29,996	29,533	57	63	82.983	17.677,589	237.581,149	13,440	12,977
8	14	98.870	79.581,202	2.371.540,828	29,800	29,337	58	64	81.705	16.939,590	219.903,560	12,982	12,519
9	15	98.847	77.433,059	2.291.959,626	29,599	29,136	59	65	80.335	16.209,693	202.963,970	12,521	12,058
10	16	98.820	75.340,125	2.214.526,567	29,394	28,931	60	66	78.841	15.482,541	186.754,277	12,062	11,599
11	17	98.790	73.301,306	2.139.186,441	29,183	28,721	61	67	77.247	14.763,594	171.271,736	11,601	11,138
12	18	98.754	71.313,471	2.065.885,135	28,969	28,506	62	68	75.544	14.051,578	156.508,142	11,138	10,675
13	19	98.712	69.375,816	1.994.571,664	28,750	28,287	63	69	73.674	13.336,988	142.456,565	10,681	10,218
14	20	98.672	67.491,574	1.925.195,848	28,525	28,062	64	70	71.683	12.629,255	129.119,577	10,224	9,761
15	21	98.623	65.652,369	1.857.704,274	28,296	27,833	65	71	69.549	11.925,323	116.490,322	9,768	9,305
16	22	98.576	63.864,547	1.792.051,905	28,060	27,597	66	72	67.223	11.218,027	104.565,000	9,321	8,858
17	23	98.511	62.114,649	1.728.187,358	27,823	27,360	67	73	64.748	10.515,809	93.346,973	8,877	8,414
18	24	98.435	60.405,808	1.666.072,709	27,581	27,119	68	74	62.070	9.811,111	82.831,164	8,443	7,980
19	25	98.334	58.728,557	1.605.666,900	27,340	26,878	69	75	59.223	9.110,598	73.020,053	8,015	7,552
20	26	98.231	57.096,659	1.546.938,343	27,093	26,631	70	76	56.202	8.414,453	63.909,456	7,595	7,132
21	27	98.129	55.510,733	1.489.841,685	26,839	26,376	71	77	53.019	7.725,402	55.495,002	7,183	6,721
22	28	98.023	53.966,951	1.434.330,952	26,578	26,115	72	78	49.679	7.044,975	47.769,600	6,781	6,318
23	29	97.920	52.467,402	1.380.364,001	26,309	25,846	73	79	46.153	6.369,875	40.724,625	6,393	5,930
24	30	97.819	51.010,381	1.327.896,599	26,032	25,569	74	80	42.497	5.708,281	34.354,750	6,018	5,556
25	31	97.716	49.592,875	1.276.886,218	25,747	25,285	75	81	38.711	5.060,499	28.646,469	5,661	5,198
26	32	97.610	48.213,039	1.227.293,343	25,456	24,993	76	82	34.863	4.435,499	23.585,970	5,318	4,855
27	33	97.505	46.872,436	1.179.080,304	25,155	24,692	77	83	30.983	3.836,388	19.150,472	4,992	4,529
28	34	97.396	45.567,104	1.132.207,868	24,847	24,384	78	84	27.188	3.276,437	15.314,083	4,674	4,211
29	35	97.279	44.294,174	1.086.640,765	24,532	24,070	79	85	23.486	2.754,483	12.037,647	4,370	3,907
30	36	97.161	43.056,310	1.042.346,591	24,209	23,746	80	86	20.018	2.284,985	9.283,164	4,063	3,600
31	37	97.035	41.849,660	999.290,281	23,878	23,415	81	87	16.663	1.851,025	6.998,179	3,781	3,318
32	38	96.899	40.672,477	957.440,620	23,540	23,077	82	88	13.492	1.458,655	5.147,153	3,529	3,066
33	39	96.752	39.523,823	916.768,143	23,195	22,733	83	89	10.617	1.117,173	3.688,498	3,302	2,839
34	40	96.590	38.401,509	877.244,320	22,844	22,381	84	90	8.122	831,746	2.571,325	3,091	2,629
35	41	96.413	37.305,553	838.842,811	22,486	22,023	85	91	6.045	602,498	1.739,579	2,887	2,424
36	42	96.217	36.233,261	801.537,258	22,122	21,659	86	92	4.341	421,116	1.137,081	2,700	2,237
37	43	96.001	35.184,092	765.303,997	21,751	21,289	87	93	2.993	282,527	715,965	2,534	2,071
38	44	95.760	34.156,662	730.119,905	21,376	20,913	88	94	1.974	181,333	433,438	2,390	1,927
39	45	95.495	33.150,477	695.963,243	20,994	20,531	89	95	1.247	111,464	252,105	2,262	1,799
40	46	95.197	32.162,420	662.812,766	20,608	20,145	90	96	754	65,596	140,641	2,144	1,681
41	47	94.862	31.191,598	630.650,346	20,219	19,756	91	97	436	36,901	75,046	2,034	1,571
42	48	94.498	30.240,197	599.458,748	19,823	19,360	92	98	239	19,700	38,145	1,936	1,473
43	49	94.089	29.303,684	569.218,551	19,425	18,962	93	99	124	9,981	18,444	1,848	1,385
44	50	93.631	28.380,331	539.914,868	19,024	18,561	94	100	61	4,788	8,463	1,768	1,305
45	51	93.144	27.477,058	511.534,536	18,617	18,154	95	101	29	2,168	3,675	1,695	1,232
46	52	92.599	26.585,337	484.057,479	18,208	17,745	96	102	13	0,925	1,507	1,629	1,166
47	53	92.006	25.708,028	457.472,142	17,795	17,332	97	103	5	0,371	0,582	1,569	1,106
48	54	91.371	24.847,498	431.764,113	17,377	16,914	98	104	2	0,139	0,211	1,515	1,052
49	55	90.682	23.999,987	406.916,615	16,955	16,492	99	105	1	0,049	0,072	1,465	1,002
							100	106					

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -7 Jahre

Zinsfuß 2,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	7	99.513	99.512,810	3.085.007,243	31,001	30,538	50	57	89.572	23.071,759	375.965,605	16,295	15,833
1	8	99.050	96.399,197	2.985.494,433	30,970	30,507	51	58	88.730	22.243,280	352.893,846	15,865	15,402
2	9	99.001	93.772,266	2.889.095,236	30,810	30,347	52	59	87.846	21.432,099	330.650,566	15,428	14,965
3	10	98.974	91.238,276	2.795.322,970	30,638	30,175	53	60	86.886	20.630,740	309.218,468	14,988	14,525
4	11	98.948	88.772,711	2.704.084,694	30,461	29,998	54	61	85.865	19.842,550	288.587,728	14,544	14,081
5	12	98.925	86.377,112	2.615.311,983	30,278	29,815	55	62	84.802	19.072,424	268.745,178	14,091	13,628
6	13	98.903	84.046,666	2.528.934,870	30,090	29,627	56	63	83.638	18.307,092	249.672,754	13,638	13,175
7	14	98.882	81.779,783	2.444.888,205	29,896	29,433	57	64	82.418	17.557,349	231.365,663	13,178	12,715
8	15	98.859	79.571,929	2.363.108,421	29,698	29,235	58	65	81.108	16.815,714	213.808,314	12,715	12,252
9	16	98.829	77.419,224	2.283.536,492	29,496	29,033	59	66	79.679	16.077,302	196.992,600	12,253	11,790
10	17	98.799	75.324,170	2.206.117,268	29,288	28,825	60	67	78.127	15.342,322	180.915,298	11,792	11,329
11	18	98.768	73.285,179	2.130.793,098	29,075	28,613	61	68	76.462	14.613,522	165.572,976	11,330	10,867
12	19	98.725	71.292,962	2.057.507,919	28,860	28,397	62	69	74.680	13.890,862	150.959,454	10,868	10,405
13	20	98.685	69.356,585	1.986.214,958	28,638	28,175	63	70	72.734	13.166,832	137.068,592	10,410	9,947
14	21	98.641	67.470,256	1.916.858,373	28,410	27,948	64	71	70.664	12.449,748	123.901,760	9,952	9,489
15	22	98.599	65.636,305	1.849.388,116	28,176	27,713	65	72	68.421	11.731,986	111.452,012	9,500	9,037
16	23	98.549	63.847,257	1.783.751,811	27,938	27,475	66	73	66.011	11.015,776	99.720,026	9,052	8,590
17	24	98.485	62.098,443	1.719.904,554	27,696	27,234	67	74	63.429	10.301,577	88.704,250	8,611	8,148
18	25	98.409	60.389,398	1.657.806,111	27,452	26,989	68	75	60.657	9.587,793	78.402,673	8,177	7,715
19	26	98.310	58.714,106	1.597.416,714	27,207	26,744	69	76	57.688	8.874,382	68.814,880	7,754	7,292
20	27	98.203	57.080,674	1.538.702,608	26,957	26,494	70	77	54.575	8.170,869	59.940,497	7,336	6,873
21	28	98.100	55.494,555	1.481.621,934	26,699	26,236	71	78	51.294	7.474,075	51.769,629	6,927	6,464
22	29	97.994	53.950,933	1.426.127,379	26,434	25,971	72	79	47.838	6.783,873	44.295,553	6,530	6,067
23	30	97.891	52.452,044	1.372.176,447	26,161	25,698	73	80	44.212	6.101,919	37.511,680	6,148	5,685
24	31	97.787	50.993,679	1.319.724,402	25,880	25,417	74	81	40.427	5.430,206	31.409,761	5,784	5,321
25	32	97.681	49.575,160	1.268.730,723	25,592	25,129	75	82	36.553	4.778,407	25.979,555	5,437	4,974
26	33	97.575	48.195,896	1.219.155,563	25,296	24,833	76	83	32.610	4.148,859	21.201,148	5,110	4,647
27	34	97.466	46.853,706	1.170.959,667	24,992	24,529	77	84	28.763	3.561,481	17.052,290	4,788	4,325
28	35	97.351	45.545,741	1.124.105,961	24,681	24,218	78	85	25.004	3.013,137	13.490,809	4,477	4,015
29	36	97.229	44.271,497	1.078.560,220	24,362	23,900	79	86	21.447	2.515,326	10.477,672	4,166	3,703
30	37	97.106	43.031,964	1.034.288,723	24,035	23,573	80	87	18.000	2.054,626	7.962,346	3,875	3,413
31	38	96.976	41.823,998	991.256,759	23,701	23,238	81	88	14.698	1.632,831	5.907,720	3,618	3,155
32	39	96.831	40.644,026	949.432,762	23,360	22,897	82	89	11.717	1.266,802	4.274,890	3,375	2,912
33	40	96.674	39.492,194	908.788,736	23,012	22,549	83	90	9.044	951,581	3.008,087	3,161	2,698
34	41	96.506	38.368,101	869.296,542	22,657	22,194	84	91	6.794	695,787	2.056,507	2,956	2,493
35	42	96.318	37.268,677	830.928,441	22,296	21,833	85	92	4.912	489,590	1.360,719	2,779	2,316
36	43	96.109	36.192,510	793.659,764	21,929	21,466	86	93	3.450	334,623	871,130	2,603	2,140
37	44	95.876	35.138,423	757.467,254	21,557	21,094	87	94	2.322	219,244	536,507	2,447	1,984
38	45	95.627	34.109,116	722.328,831	21,177	20,714	88	95	1.494	137,243	317,263	2,312	1,849
39	46	95.344	33.097,900	688.219,715	20,793	20,331	89	96	919	82,174	180,020	2,191	1,728
40	47	95.026	32.104,657	655.121,816	20,406	19,943	90	97	541	47,043	97,846	2,080	1,617
41	48	94.678	31.130,941	623.017,159	20,013	19,550	91	98	304	25,711	50,803	1,976	1,513
42	49	94.297	30.176,090	591.886,218	19,614	19,152	92	99	162	13,318	25,092	1,884	1,421
43	50	93.863	29.233,158	561.710,128	19,215	18,752	93	100	82	6,539	11,774	1,801	1,338
44	51	93.394	28.308,625	532.476,970	18,810	18,347	94	101	39	3,035	5,236	1,725	1,262
45	52	92.885	27.400,747	504.168,346	18,400	17,937	95	102	17	1,329	2,201	1,656	1,194
46	53	92.319	26.504,964	476.767,598	17,988	17,525	96	103	7	0,547	0,872	1,594	1,131
47	54	91.715	25.626,854	450.262,634	17,570	17,107	97	104	3	0,211	0,325	1,537	1,075
48	55	91.054	24.761,073	424.635,780	17,149	16,687	98	105	1	0,076	0,114	1,486	1,023
49	56	90.339	23.909,102	399.874,707	16,725	16,262	99	106					
							100	107					

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -8 Jahre

Zinsfuß 2,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	8	99.504	99.504,143	3.075.979,503	30,913	30,450	50	58	89.172	22.968,788	368.614,133	16,048	15,586
1	9	99.041	96.389,944	2.976.475,359	30,880	30,417	51	59	88.303	22.136,164	345.645,345	15,615	15,152
2	10	98.994	93.766,207	2.880.085,416	30,716	30,253	52	60	87.399	21.323,142	323.509,181	15,172	14,709
3	11	98.966	91.230,604	2.786.319,209	30,541	30,079	53	61	86.408	20.517,183	302.186,038	14,728	14,266
4	12	98.939	88.764,386	2.695.088,605	30,362	29,899	54	62	85.382	19.730,889	281.668,855	14,276	13,813
5	13	98.917	86.369,776	2.606.324,219	30,176	29,714	55	63	84.268	18.952,403	261.937,966	13,821	13,358
6	14	98.894	84.038,522	2.519.954,443	29,986	29,523	56	64	83.069	18.182,570	242.985,563	13,364	12,901
7	15	98.871	81.770,254	2.435.915,920	29,790	29,327	57	65	81.816	17.428,955	224.802,993	12,898	12,435
8	16	98.841	79.557,712	2.354.145,666	29,590	29,128	58	66	80.445	16.678,373	207.374,038	12,434	11,971
9	17	98.808	77.402,828	2.274.587,954	29,386	28,924	59	67	78.957	15.931,697	190.695,665	11,970	11,507
10	18	98.777	75.307,597	2.197.185,125	29,176	28,713	60	68	77.333	15.186,367	174.763,968	11,508	11,045
11	19	98.740	73.264,102	2.121.877,528	28,962	28,499	61	69	75.588	14.446,379	159.577,601	11,046	10,583
12	20	98.698	71.273,199	2.048.613,426	28,743	28,280	62	70	73.727	13.713,640	145.131,222	10,583	10,120
13	21	98.654	69.334,678	1.977.340,227	28,519	28,056	63	71	71.700	12.979,685	131.417,582	10,125	9,662
14	22	98.617	67.453,748	1.908.005,549	28,286	27,823	64	72	69.518	12.247,910	118.437,897	9,670	9,207
15	23	98.572	65.618,535	1.840.551,800	28,049	27,586	65	73	67.188	11.520,469	106.189,988	9,218	8,755
16	24	98.523	63.830,599	1.774.933,265	27,807	27,344	66	74	64.666	10.791,359	94.669,519	8,773	8,310
17	25	98.459	62.081,573	1.711.102,667	27,562	27,099	67	75	61.985	10.067,095	83.878,160	8,332	7,869
18	26	98.385	60.374,538	1.649.021,094	27,313	26,850	68	76	59.085	9.339,205	73.811,065	7,903	7,441
19	27	98.282	58.697,668	1.588.646,557	27,065	26,602	69	77	56.018	8.617,484	64.471,859	7,482	7,019
20	28	98.175	57.064,039	1.529.948,889	26,811	26,348	70	78	52.800	7.905,050	55.854,376	7,066	6,603
21	29	98.071	55.478,083	1.472.884,850	26,549	26,086	71	79	49.393	7.197,070	47.949,326	6,662	6,200
22	30	97.965	53.935,141	1.417.406,767	26,280	25,817	72	80	45.825	6.498,502	40.752,256	6,271	5,808
23	31	97.859	52.434,871	1.363.471,626	26,003	25,540	73	81	42.058	5.804,668	34.253,754	5,901	5,438
24	32	97.752	50.975,464	1.311.036,756	25,719	25,256	74	82	38.173	5.127,505	28.449,086	5,548	5,086
25	33	97.646	49.557,532	1.260.061,292	25,426	24,963	75	83	34.191	4.469,606	23.321,581	5,218	4,755
26	34	97.536	48.176,638	1.210.503,759	25,126	24,664	76	84	30.273	3.851,560	18.851,974	4,895	4,432
27	35	97.420	46.831,740	1.162.327,122	24,819	24,356	77	85	26.451	3.275,275	15.000,414	4,580	4,117
28	36	97.301	45.522,424	1.115.495,381	24,504	24,041	78	86	22.833	2.751,523	11.725,140	4,261	3,799
29	37	97.174	44.246,463	1.069.972,957	24,182	23,719	79	87	19.284	2.261,745	8.973,617	3,968	3,505
30	38	97.046	43.005,576	1.025.726,494	23,851	23,388	80	88	15.878	1.812,431	6.711,872	3,703	3,240
31	39	96.908	41.794,741	982.720,919	23,513	23,050	81	89	12.765	1.418,069	4.899,441	3,455	2,992
32	40	96.754	40.611,500	940.926,178	23,169	22,706	82	90	9.980	1.079,031	3.481,372	3,226	2,764
33	41	96.590	39.457,836	900.314,677	22,817	22,354	83	91	7.565	796,033	2.402,341	3,018	2,555
34	42	96.410	38.330,174	860.856,841	22,459	21,996	84	92	5.521	565,397	1.606,307	2,841	2,378
35	43	96.210	37.226,762	822.526,667	22,095	21,632	85	93	3.903	389,033	1.040,911	2,676	2,213
36	44	95.984	36.145,532	785.299,905	21,726	21,263	86	94	2.677	259,670	651,878	2,510	2,048
37	45	95.743	35.089,510	749.154,373	21,350	20,887	87	95	1.758	165,937	392,207	2,364	1,901
38	46	95.475	34.055,018	714.064,863	20,968	20,505	88	96	1.101	101,179	226,271	2,236	1,774
39	47	95.172	33.038,456	680.009,845	20,582	20,120	89	97	659	58,932	125,092	2,123	1,660
40	48	94.841	32.042,225	646.971,389	20,191	19,728	90	98	377	32,777	66,159	2,018	1,556
41	49	94.477	31.064,946	614.929,164	19,795	19,332	91	99	205	17,381	33,383	1,921	1,458
42	50	94.070	30.103,464	583.864,218	19,395	18,932	92	100	106	8,724	16,001	1,834	1,371
43	51	93.626	29.159,296	553.760,754	18,991	18,528	93	101	52	4,145	7,277	1,756	1,293
44	52	93.135	28.230,005	524.601,458	18,583	18,120	94	102	24	1,860	3,132	1,684	1,221
45	53	92.604	27.317,909	496.371,453	18,170	17,707	95	103	10	0,786	1,273	1,620	1,157
46	54	92.028	26.421,273	469.053,544	17,753	17,290	96	104	4	0,312	0,487	1,561	1,098
47	55	91.396	25.537,718	442.632,270	17,332	16,870	97	105	2	0,116	0,175	1,507	1,044
48	56	90.709	24.667,306	417.094,552	16,909	16,446	98	106					
49	57	89.976	23.813,114	392.427,246	16,479	16,017	99	107					
							100	108					

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -9 Jahre

Zinsfuß 2,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	9	99.495	99.494,592	3.066.404,430	30,820	30,357	50	59	88.743	22.858,179	360.861,779	15,787	15,324
1	10	99.034	96.383,715	2.966.909,838	30,782	30,319	51	60	87.854	22.023,629	338.003,601	15,347	14,884
2	11	98.986	93.758,322	2.870.526,123	30,616	30,153	52	61	86.918	21.205,774	315.979,972	14,901	14,438
3	12	98.957	91.222,048	2.776.767,801	30,440	29,977	53	62	85.922	20.401,726	294.774,197	14,448	13,986
4	13	98.930	88.756,848	2.685.545,753	30,257	29,795	54	63	84.845	19.606,725	274.372,472	13,994	13,531
5	14	98.907	86.361,408	2.596.788,905	30,069	29,606	55	64	83.695	18.823,492	254.765,747	13,534	13,072
6	15	98.882	84.028,730	2.510.427,497	29,876	29,413	56	65	82.461	18.049,604	235.942,255	13,072	12,609
7	16	98.853	81.755,644	2.426.398,768	29,679	29,216	57	66	81.147	17.286,606	217.892,651	12,605	12,142
8	17	98.820	79.540,864	2.344.643,123	29,477	29,014	58	67	79.717	16.527,324	200.606,045	12,138	11,675
9	18	98.787	77.385,798	2.265.102,259	29,270	28,807	59	68	78.154	15.769,751	184.078,721	11,673	11,210
10	19	98.749	75.285,940	2.187.716,461	29,059	28,596	60	69	76.448	15.012,672	168.308,970	11,211	10,748
11	20	98.712	73.243,793	2.112.430,521	28,841	28,378	61	70	74.623	14.262,070	153.296,297	10,749	10,286
12	21	98.667	71.250,687	2.039.186,728	28,620	28,157	62	71	72.679	13.518,720	139.034,228	10,285	9,822
13	22	98.630	69.317,714	1.967.936,042	28,390	27,927	63	72	70.538	12.769,255	125.515,507	9,830	9,367
14	23	98.590	67.435,486	1.898.618,328	28,155	27,692	64	73	68.265	12.027,091	112.746,253	9,374	8,912
15	24	98.546	65.601,415	1.831.182,842	27,914	27,451	65	74	65.819	11.285,770	100.719,162	8,924	8,462
16	25	98.496	63.813,257	1.765.581,427	27,668	27,205	66	75	63.194	10.545,729	89.433,392	8,481	8,018
17	26	98.434	62.066,296	1.701.768,170	27,419	26,956	67	76	60.378	9.806,080	78.887,663	8,045	7,582
18	27	98.357	60.357,635	1.639.701,874	27,166	26,704	68	77	57.374	9.068,851	69.081,583	7,617	7,155
19	28	98.254	58.680,562	1.579.344,238	26,914	26,451	69	78	54.195	8.337,135	60.012,732	7,198	6,735
20	29	98.145	57.047,101	1.520.663,677	26,656	26,193	70	79	50.843	7.612,072	51.675,597	6,789	6,326
21	30	98.042	55.461,844	1.463.616,576	26,390	25,927	71	80	47.315	6.894,317	44.063,525	6,391	5,928
22	31	97.933	53.917,481	1.408.154,732	26,117	25,654	72	81	43.593	6.181,931	37.169,208	6,013	5,550
23	32	97.824	52.416,140	1.354.237,250	25,836	25,373	73	82	39.714	5.481,093	30.987,276	5,653	5,191
24	33	97.717	50.957,338	1.301.821,110	25,547	25,084	74	83	35.707	4.796,145	25.506,183	5,318	4,855
25	34	97.607	49.537,730	1.250.863,772	25,251	24,788	75	84	31.741	4.149,324	20.710,039	4,991	4,528
26	35	97.490	48.154,052	1.201.326,041	24,948	24,485	76	85	27.840	3.542,043	16.560,715	4,675	4,213
27	36	97.370	46.807,765	1.153.171,990	24,636	24,174	77	86	24.155	2.990,900	13.018,672	4,353	3,890
28	37	97.246	45.496,683	1.106.364,225	24,317	23,855	78	87	20.531	2.474,130	10.027,772	4,053	3,590
29	38	97.115	44.219,330	1.060.867,543	23,991	23,528	79	88	17.011	1.995,136	7.553,642	3,786	3,323
30	39	96.979	42.975,493	1.016.648,212	23,656	23,194	80	89	13.790	1.574,047	5.558,507	3,531	3,069
31	40	96.830	41.761,294	973.672,719	23,315	22,852	81	90	10.873	1.207,876	3.984,459	3,299	2,836
32	41	96.670	40.576,169	931.911,425	22,967	22,504	82	91	8.349	902,650	2.776,583	3,076	2,613
33	42	96.495	39.418,833	891.335,256	22,612	22,149	83	92	6.148	646,857	1.873,933	2,897	2,434
34	43	96.302	38.287,065	851.916,424	22,251	21,788	84	93	4.387	449,270	1.227,076	2,731	2,268
35	44	96.085	37.178,441	813.629,358	21,884	21,422	85	94	3.029	301,893	777,806	2,576	2,114
36	45	95.851	36.095,217	776.450,917	21,511	21,048	86	95	2.026	196,534	475,913	2,422	1,959
37	46	95.591	35.033,857	740.355,700	21,133	20,670	87	96	1.296	122,333	279,379	2,284	1,821
38	47	95.304	33.993,856	705.321,843	20,749	20,286	88	97	790	72,562	157,047	2,164	1,701
39	48	94.987	32.974,208	671.327,987	20,359	19,896	89	98	459	41,061	84,485	2,058	1,595
40	49	94.640	31.974,297	638.353,778	19,965	19,502	90	99	255	22,158	43,424	1,960	1,497
41	50	94.250	30.990,181	606.379,481	19,567	19,104	91	100	134	11,386	21,266	1,868	1,405
42	51	93.833	30.027,404	575.389,300	19,162	18,699	92	101	67	5,531	9,880	1,786	1,324
43	52	93.366	29.078,314	545.361,896	18,755	18,292	93	102	32	2,540	4,349	1,712	1,250
44	53	92.853	28.144,660	516.283,582	18,344	17,881	94	103	14	1,100	1,809	1,645	1,182
45	54	92.312	27.231,652	488.138,922	17,925	17,463	95	104	6	0,448	0,710	1,584	1,121
46	55	91.707	26.329,374	460.907,271	17,505	17,043	96	105	2	0,171	0,262	1,529	1,066
47	56	91.050	25.441,010	434.577,897	17,082	16,619	97	106					
48	57	90.345	24.568,274	409.136,887	16,653	16,190	98	107					
49	58	89.574	23.706,834	384.568,613	16,222	15,759	99	108					
							100	109					

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -10 Jahre

Zinsfuß 2,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	10	99.488	99.488,163	3.056.269,377	30,720	30,257	50	60	88.292	22.741,973	352.707,140	15,509	15,046
1	11	99.026	96.375,610	2.956.781,214	30,680	30,217	51	61	87.371	21.902,405	329.965,167	15,065	14,602
2	12	98.977	93.749,529	2.860.405,604	30,511	30,048	52	62	86.429	21.086,442	308.062,762	14,610	14,147
3	13	98.948	91.214,301	2.766.656,075	30,331	29,869	53	63	85.381	20.273,340	286.976,320	14,155	13,693
4	14	98.921	88.748,248	2.675.441,774	30,146	29,684	54	64	84.267	19.473,363	266.702,980	13,696	13,233
5	15	98.896	86.351,345	2.586.693,526	29,955	29,493	55	65	83.083	18.685,839	247.229,617	13,231	12,768
6	16	98.865	84.013,716	2.500.342,181	29,761	29,298	56	66	81.788	17.902,186	228.543,778	12,766	12,303
7	17	98.832	81.738,330	2.416.328,465	29,562	29,099	57	67	80.412	17.130,049	210.641,592	12,297	11,834
8	18	98.798	79.523,363	2.334.590,134	29,357	28,894	58	68	78.906	16.359,324	193.511,543	11,829	11,366
9	19	98.758	77.363,543	2.255.066,771	29,149	28,686	59	69	77.260	15.589,383	177.152,219	11,364	10,901
10	20	98.722	75.265,070	2.177.703,228	28,934	28,471	60	70	75.473	14.821,138	161.562,836	10,901	10,438
11	21	98.681	73.220,659	2.102.438,158	28,714	28,251	61	71	73.563	14.059,355	146.741,698	10,437	9,974
12	22	98.643	71.233,254	2.029.217,500	28,487	28,024	62	72	71.501	13.299,551	132.682,343	9,976	9,514
13	23	98.603	69.298,947	1.957.984,246	28,254	27,791	63	73	69.266	12.539,036	119.382,791	9,521	9,058
14	24	98.565	67.417,891	1.888.685,299	28,015	27,552	64	74	66.874	11.782,070	106.843,755	9,068	8,606
15	25	98.520	65.583,592	1.821.267,408	27,770	27,307	65	75	64.321	11.028,886	95.061,685	8,619	8,157
16	26	98.472	63.797,555	1.755.683,816	27,520	27,057	66	76	61.556	10.272,304	84.032,798	8,181	7,718
17	27	98.407	62.048,920	1.691.886,261	27,267	26,804	67	77	58.630	9.522,211	73.760,494	7,746	7,283
18	28	98.328	60.340,045	1.629.837,340	27,011	26,548	68	78	55.508	8.773,818	64.238,284	7,322	6,859
19	29	98.225	58.663,144	1.569.497,295	26,754	26,292	69	79	52.187	8.028,143	55.464,465	6,909	6,446
20	30	98.117	57.030,403	1.510.834,151	26,492	26,029	70	80	48.704	7.291,861	47.436,322	6,505	6,043
21	31	98.010	55.443,685	1.453.803,748	26,221	25,758	71	81	45.010	6.558,465	40.144,461	6,121	5,658
22	32	97.898	53.898,222	1.398.360,063	25,944	25,482	72	82	41.163	5.837,327	33.585,995	5,754	5,291
23	33	97.790	52.397,503	1.344.461,842	25,659	25,196	73	83	37.147	5.126,882	27.748,669	5,412	4,950
24	34	97.678	50.936,977	1.292.064,339	25,366	24,903	74	84	33.148	4.452,463	22.621,787	5,081	4,618
25	35	97.561	49.514,506	1.241.127,363	25,066	24,603	75	85	29.190	3.815,878	18.169,324	4,762	4,299
26	36	97.440	48.129,399	1.191.612,856	24,759	24,296	76	86	25.423	3.234,506	14.353,446	4,438	3,975
27	37	97.315	46.781,297	1.143.483,458	24,443	23,980	77	87	21.720	2.689,374	11.118,940	4,134	3,672
28	38	97.186	45.468,783	1.096.702,161	24,120	23,657	78	88	18.111	2.182,485	8.429,566	3,862	3,400
29	39	97.047	44.188,398	1.051.233,378	23,790	23,327	79	89	14.774	1.732,721	6.247,081	3,605	3,143
30	40	96.901	42.941,101	1.007.044,979	23,452	22,989	80	90	11.746	1.340,735	4.514,359	3,367	2,904
31	41	96.746	41.724,963	964.103,878	23,106	22,643	81	91	9.096	1.010,435	3.173,625	3,141	2,678
32	42	96.574	40.536,060	922.378,915	22,755	22,292	82	92	6.784	733,494	2.163,190	2,949	2,486
33	43	96.386	39.374,499	881.842,855	22,396	21,933	83	93	4.885	513,999	1.429,696	2,782	2,319
34	44	96.177	38.237,368	842.468,356	22,033	21,570	84	94	3.404	348,638	915,698	2,627	2,164
35	45	95.951	37.126,688	804.230,988	21,662	21,199	85	95	2.293	228,491	567,060	2,482	2,019
36	46	95.699	36.037,970	767.104,300	21,286	20,823	86	96	1.494	144,889	338,569	2,337	1,874
37	47	95.419	34.970,937	731.066,330	20,905	20,442	87	97	929	87,733	193,680	2,208	1,745
38	48	95.118	33.927,750	696.095,393	20,517	20,054	88	98	550	50,557	105,947	2,096	1,633
39	49	94.786	32.904,305	662.167,643	20,124	19,661	89	99	310	27,758	55,390	1,995	1,533
40	50	94.412	31.897,344	629.263,338	19,728	19,265	90	100	167	14,515	27,632	1,904	1,441
41	51	94.011	30.911,880	597.365,993	19,325	18,862	91	101	85	7,218	13,117	1,817	1,354
42	52	93.572	29.944,010	566.454,113	18,917	18,454	92	102	41	3,389	5,899	1,741	1,278
43	53	93.084	28.990,404	536.510,103	18,506	18,044	93	103	19	1,502	2,510	1,671	1,208
44	54	92.560	28.055,792	507.519,698	18,090	17,627	94	104	8	0,627	1,008	1,608	1,145
45	55	91.991	27.136,934	479.463,907	17,668	17,205	95	105	3	0,246	0,381	1,550	1,087
46	56	91.360	26.229,668	452.326,973	17,245	16,782	96	106					
47	57	90.685	25.338,871	426.097,305	16,816	16,353	97	107					
48	58	89.941	24.458,623	400.758,433	16,385	15,922	98	108					
49	59	89.143	23.592,670	376.299,810	15,950	15,487	99	109					
							100	110					

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -11 Jahre

Zinsfuß 2,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	11	99.480	99.479,797	3.045.558,584	30,615	30,152	50	61	87.806	22.616,795	344.148,056	15,216	14,754
1	12	99.017	96.366,572	2.946.078,787	30,572	30,109	51	62	86.879	21.779,153	321.531,261	14,763	14,300
2	13	98.968	93.741,567	2.849.712,215	30,400	29,937	52	63	85.885	20.953,747	299.752,108	14,305	13,843
3	14	98.939	91.205,463	2.755.970,647	30,217	29,754	53	64	84.800	20.135,444	278.798,361	13,846	13,383
4	15	98.909	88.737,907	2.664.765,184	30,030	29,567	54	65	83.651	19.330,958	258.662,917	13,381	12,918
5	16	98.878	86.335,916	2.576.027,278	29,837	29,374	55	66	82.405	18.533,225	239.331,959	12,914	12,451
6	17	98.844	83.995,924	2.489.691,361	29,641	29,178	56	67	81.047	17.740,053	220.798,735	12,446	11,984
7	18	98.810	81.720,346	2.405.695,437	29,438	28,975	57	68	79.595	16.955,922	203.058,681	11,976	11,513
8	19	98.770	79.500,493	2.323.975,091	29,232	28,769	58	69	78.004	16.172,213	186.102,759	11,508	11,045
9	20	98.731	77.342,097	2.244.474,598	29,020	28,557	59	70	76.275	15.390,491	169.930,546	11,041	10,578
10	21	98.690	75.241,297	2.167.132,500	28,802	28,340	60	71	74.400	14.610,477	154.540,055	10,577	10,115
11	22	98.657	73.202,744	2.091.891,203	28,577	28,114	61	72	72.370	13.831,421	139.929,578	10,117	9,654
12	23	98.616	71.213,968	2.018.688,460	28,347	27,884	62	73	70.212	13.059,772	126.098,157	9,655	9,193
13	24	98.577	69.280,866	1.947.474,492	28,110	27,647	63	74	67.855	12.283,587	113.038,384	9,202	8,740
14	25	98.538	67.399,575	1.878.193,625	27,867	27,404	64	75	65.352	11.513,890	100.754,798	8,751	8,288
15	26	98.495	65.567,454	1.810.794,050	27,617	27,154	65	76	62.653	10.742,935	89.240,908	8,307	7,844
16	27	98.445	63.779,694	1.745.226,596	27,363	26,901	66	77	59.774	9.974,938	78.497,973	7,870	7,407
17	28	98.378	62.030,837	1.681.446,902	27,107	26,644	67	78	56.723	9.212,429	68.523,035	7,438	6,975
18	29	98.299	60.322,135	1.619.416,064	26,846	26,383	68	79	53.450	8.448,642	59.310,606	7,020	6,557
19	30	98.196	58.645,973	1.559.093,929	26,585	26,122	69	80	49.992	7.690,430	50.861,964	6,614	6,151
20	31	98.085	57.011,730	1.500.447,957	26,318	25,855	70	81	46.332	6.936,643	43.171,534	6,224	5,761
21	32	97.975	55.423,880	1.443.436,226	26,044	25,581	71	82	42.501	6.192,871	36.234,891	5,851	5,388
22	33	97.863	53.879,057	1.388.012,347	25,762	25,299	72	83	38.503	5.460,094	30.042,020	5,502	5,039
23	34	97.751	52.376,566	1.334.133,290	25,472	25,009	73	84	34.485	4.759,500	24.581,925	5,165	4,702
24	35	97.632	50.913,097	1.281.756,724	25,175	24,713	74	85	30.484	4.094,656	19.822,425	4,841	4,378
25	36	97.511	49.489,157	1.230.843,628	24,871	24,408	75	86	26.655	3.484,565	15.727,769	4,514	4,051
26	37	97.385	48.102,184	1.181.354,471	24,559	24,096	76	87	22.860	2.908,421	12.243,203	4,210	3,747
27	38	97.256	46.752,610	1.133.252,287	24,239	23,777	77	88	19.159	2.372,357	9.334,782	3,935	3,472
28	39	97.118	45.436,977	1.086.499,678	23,912	23,449	78	89	15.729	1.895,429	6.962,425	3,673	3,210
29	40	96.969	44.153,036	1.041.062,700	23,579	23,116	79	90	12.584	1.475,889	5.066,996	3,433	2,970
30	41	96.817	42.903,743	996.909,664	23,236	22,773	80	91	9.826	1.121,576	3.591,107	3,202	2,739
31	42	96.650	41.683,718	954.005,921	22,887	22,424	81	92	7.391	821,079	2.469,531	3,008	2,545
32	43	96.465	40.490,470	912.322,203	22,532	22,069	82	93	5.391	582,841	1.648,452	2,828	2,365
33	44	96.261	39.323,390	871.831,733	22,171	21,708	83	94	3.791	398,868	1.065,610	2,672	2,209
34	45	96.043	38.184,141	832.508,342	21,802	21,340	84	95	2.577	263,870	666,743	2,527	2,064
35	46	95.799	37.067,805	794.324,201	21,429	20,966	85	96	1.690	168,449	402,873	2,392	1,929
36	47	95.527	35.973,246	757.256,396	21,051	20,588	86	97	1.071	103,910	234,424	2,256	1,793
37	48	95.233	34.902,931	721.283,150	20,665	20,203	87	98	648	61,127	130,515	2,135	1,672
38	49	94.917	33.855,826	686.380,219	20,274	19,811	88	99	372	34,178	69,388	2,030	1,567
39	50	94.558	32.825,114	652.524,393	19,879	19,416	89	100	203	18,184	35,209	1,936	1,473
40	51	94.174	31.816,751	619.699,280	19,477	19,014	90	101	106	9,202	17,026	1,850	1,387
41	52	93.750	30.826,030	587.882,528	19,071	18,608	91	102	52	4,423	7,824	1,769	1,306
42	53	93.289	29.853,484	557.056,498	18,660	18,197	92	103	24	2,004	3,401	1,697	1,234
43	54	92.790	28.898,866	527.203,014	18,243	17,780	93	104	11	0,856	1,397	1,632	1,169
44	55	92.238	27.958,207	498.304,148	17,823	17,360	94	105	4	0,344	0,541	1,572	1,109
45	56	91.642	27.034,170	470.345,941	17,398	16,935	95	106					
46	57	90.993	26.124,363	443.311,771	16,969	16,506	96	107					
47	58	90.280	25.225,782	417.187,408	16,538	16,075	97	108					
48	59	89.508	24.340,840	391.961,626	16,103	15,640	98	109					
49	60	88.690	23.472,730	367.620,786	15,662	15,199	99	110					
							100	111					

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -12 Jahre

Zinsfuß 2,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	12	99.470	99.470,467	3.034.262,273	30,504	30,041	50	62	87.312	22.489,522	335.187,016	14,904	14,441
1	13	99.008	96.358,388	2.934.791,805	30,457	29,994	51	63	86.332	21.642,099	312.697,493	14,449	13,986
2	14	98.959	93.732,484	2.838.433,417	30,282	29,819	52	64	85.301	20.811,223	291.055,394	13,986	13,523
3	15	98.927	91.194,835	2.744.700,933	30,097	29,634	53	65	84.180	19.988,197	270.244,171	13,520	13,057
4	16	98.891	88.722,052	2.653.506,098	29,908	29,445	54	66	82.968	19.173,075	250.255,974	13,052	12,590
5	17	98.857	86.317,633	2.564.784,046	29,713	29,251	55	67	81.658	18.365,377	231.082,899	12,583	12,120
6	18	98.822	83.977,444	2.478.466,413	29,513	29,051	56	68	80.223	17.559,726	212.717,522	12,114	11,651
7	19	98.782	81.696,844	2.394.488,969	29,309	28,847	57	69	78.685	16.761,987	195.157,796	11,643	11,180
8	20	98.742	79.478,455	2.312.792,125	29,100	28,637	58	70	77.009	15.965,885	178.395,809	11,174	10,711
9	21	98.700	77.317,668	2.233.313,670	28,885	28,422	59	71	75.191	15.171,738	162.429,924	10,706	10,243
10	22	98.666	75.222,888	2.155.996,002	28,661	28,199	60	72	73.194	14.373,608	147.258,186	10,245	9,782
11	23	98.630	73.182,925	2.080.773,114	28,432	27,970	61	73	71.065	13.582,053	132.884,578	9,784	9,321
12	24	98.590	71.195,388	2.007.590,190	28,198	27,735	62	74	68.781	12.793,714	119.302,525	9,325	8,862
13	25	98.551	69.262,044	1.936.394,802	27,958	27,495	63	75	66.310	12.003,991	106.508,811	8,873	8,410
14	26	98.514	67.382,991	1.867.132,758	27,709	27,246	64	76	63.658	11.215,364	94.504,820	8,426	7,964
15	27	98.468	65.549,098	1.799.749,767	27,457	26,994	65	77	60.839	10.431,945	83.289,457	7,984	7,521
16	28	98.416	63.761,107	1.734.200,669	27,198	26,736	66	78	57.829	9.650,428	72.857,512	7,550	7,087
17	29	98.349	62.012,425	1.670.439,562	26,937	26,474	67	79	54.620	8.870,997	63.207,084	7,125	6,662
18	30	98.270	60.304,478	1.608.427,137	26,672	26,209	68	80	51.202	8.093,240	54.336,087	6,714	6,251
19	31	98.164	58.626,771	1.548.122,659	26,406	25,944	69	81	47.556	7.315,796	46.242,847	6,321	5,858
20	32	98.050	56.991,365	1.489.495,888	26,135	25,673	70	82	43.749	6.549,968	38.927,051	5,943	5,480
21	33	97.940	55.404,172	1.432.504,523	25,856	25,393	71	83	39.755	5.792,662	32.377,083	5,589	5,127
22	34	97.824	53.857,528	1.377.100,350	25,569	25,106	72	84	35.744	5.068,835	26.584,421	5,245	4,782
23	35	97.705	52.352,011	1.323.242,822	25,276	24,813	73	85	31.714	4.377,020	21.515,586	4,916	4,453
24	36	97.582	50.887,031	1.270.890,812	24,975	24,512	74	86	27.837	3.739,139	17.138,566	4,584	4,121
25	37	97.456	49.461,173	1.220.003,781	24,666	24,203	75	87	23.968	3.133,271	13.399,427	4,276	3,814
26	38	97.325	48.072,687	1.170.542,608	24,349	23,887	76	88	20.165	2.565,583	10.266,156	4,001	3,539
27	39	97.188	46.719,906	1.122.469,921	24,026	23,563	77	89	16.639	2.060,328	7.700,573	3,738	3,275
28	40	97.040	45.400,616	1.075.750,016	23,695	23,232	78	90	13.397	1.614,480	5.640,245	3,494	3,031
29	41	96.885	44.114,624	1.030.349,400	23,356	22,893	79	91	10.527	1.234,637	4.025,765	3,261	2,798
30	42	96.721	42.861,333	986.234,776	23,010	22,547	80	92	7.985	911,392	2.791,128	3,062	2,600
31	43	96.542	41.636,838	943.373,443	22,657	22,194	81	93	5.873	652,438	1.879,735	2,881	2,418
32	44	96.340	40.437,913	901.736,605	22,299	21,836	82	94	4.183	452,290	1.227,298	2,714	2,251
33	45	96.127	39.268,652	861.298,693	21,933	21,471	83	95	2.869	301,887	775,007	2,567	2,104
34	46	95.891	38.123,581	822.030,041	21,562	21,099	84	96	1.900	194,531	473,120	2,432	1,969
35	47	95.627	37.001,232	783.906,460	21,186	20,723	85	97	1.212	120,805	278,589	2,306	1,843
36	48	95.341	35.903,291	746.905,228	20,803	20,340	86	98	746	72,398	157,784	2,179	1,717
37	49	95.032	34.828,939	711.001,937	20,414	19,951	87	99	438	41,324	85,386	2,066	1,603
38	50	94.688	33.774,344	676.172,998	20,020	19,557	88	100	244	22,389	44,062	1,968	1,505
39	51	94.319	32.742,177	642.398,654	19,620	19,157	89	101	129	11,528	21,673	1,880	1,417
40	52	93.912	31.728,389	609.656,477	19,215	18,752	90	102	65	5,638	10,145	1,799	1,337
41	53	93.467	30.732,837	577.928,088	18,805	18,342	91	103	31	2,615	4,507	1,723	1,260
42	54	92.995	29.759,220	547.195,251	18,387	17,925	92	104	14	1,143	1,892	1,656	1,193
43	55	92.467	28.798,349	517.436,031	17,968	17,505	93	105	6	0,470	0,749	1,594	1,131
44	56	91.889	27.852,333	488.637,683	17,544	17,081	94	106					
45	57	91.274	26.925,635	460.785,350	17,113	16,650	95	107					
46	58	90.587	26.007,768	433.859,714	16,682	16,219	96	108					
47	59	89.845	25.104,304	407.851,946	16,246	15,783	97	109					
48	60	89.053	24.217,096	382.747,642	15,805	15,342	98	110					
49	61	88.202	23.343,531	358.530,546	15,359	14,896	99	111					
							100	112					

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -13 Jahre

Zinsfuß 2,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	13	99.462	99.462,020	3.022.370,483	30,387	29,924	50	63	86.762	22.347,998	325.820,575	14,579	14,117
1	14	98.999	96.349,052	2.922.908,463	30,337	29,874	51	64	85.745	21.494,893	303.472,577	14,118	13,656
2	15	98.947	93.721,562	2.826.559,411	30,159	29,696	52	65	84.677	20.659,035	281.977,684	13,649	13,186
3	16	98.910	91.178,542	2.732.837,849	29,972	29,510	53	66	83.493	19.824,946	261.318,650	13,181	12,718
4	17	98.871	88.703,263	2.641.659,307	29,781	29,318	54	67	82.217	18.999,432	241.493,704	12,711	12,248
5	18	98.836	86.298,641	2.552.956,045	29,583	29,120	55	68	80.828	18.178,693	222.494,272	12,239	11,776
6	19	98.794	83.953,292	2.466.657,404	29,381	28,918	56	69	79.306	17.358,885	204.315,579	11,770	11,307
7	20	98.755	81.674,197	2.382.704,111	29,173	28,710	57	70	77.681	16.548,135	186.956,693	11,298	10,835
8	21	98.711	79.453,351	2.301.029,914	28,961	28,498	58	71	75.914	15.738,954	170.408,558	10,827	10,364
9	22	98.675	77.298,751	2.221.576,562	28,740	28,277	59	72	73.972	14.925,770	154.669,605	10,363	9,900
10	23	98.639	75.202,522	2.144.277,812	28,513	28,051	60	73	71.874	14.114,465	139.743,835	9,901	9,438
11	24	98.604	73.163,831	2.069.075,290	28,280	27,817	61	74	69.617	13.305,354	125.629,370	9,442	8,979
12	25	98.563	71.176,046	1.995.911,459	28,042	27,579	62	75	67.216	12.502,507	112.324,016	8,984	8,521
13	26	98.526	69.245,001	1.924.735,414	27,796	27,333	63	76	64.591	11.692,757	99.821,509	8,537	8,074
14	27	98.486	67.364,126	1.855.490,412	27,544	27,081	64	77	61.815	10.890,697	88.128,752	8,092	7,629
15	28	98.439	65.529,995	1.788.126,286	27,287	26,824	65	78	58.860	10.092,567	77.238,055	7,653	7,190
16	29	98.387	63.742,181	1.722.596,291	27,024	26,562	66	79	55.686	9.292,763	67.145,487	7,226	6,763
17	30	98.320	61.994,274	1.658.854,110	26,758	26,295	67	80	52.323	8.497,828	57.852,725	6,808	6,345
18	31	98.238	60.284,733	1.596.859,836	26,489	26,026	68	81	48.708	7.698,983	49.354,896	6,411	5,948
19	32	98.129	58.605,829	1.536.575,103	26,219	25,756	69	82	44.905	6.907,985	41.655,913	6,030	5,567
20	33	98.015	56.971,100	1.477.969,274	25,942	25,480	70	83	40.922	6.126,682	34.747,928	5,672	5,209
21	34	97.901	55.382,034	1.420.998,174	25,658	25,195	71	84	36.906	5.377,572	28.621,246	5,322	4,860
22	35	97.778	53.832,278	1.365.616,139	25,368	24,905	72	85	32.871	4.661,496	23.243,675	4,986	4,523
23	36	97.655	52.325,209	1.311.783,861	25,070	24,607	73	86	28.961	3.996,987	18.582,179	4,649	4,186
24	37	97.527	50.858,257	1.259.458,652	24,764	24,301	74	87	25.031	3.362,180	14.585,192	4,338	3,875
25	38	97.397	49.430,842	1.208.600,396	24,450	23,988	75	88	21.143	2.763,928	11.223,012	4,061	3,598
26	39	97.257	48.039,059	1.159.169,554	24,130	23,667	76	89	17.513	2.228,140	8.459,084	3,796	3,334
27	40	97.110	46.682,517	1.111.130,495	23,802	23,339	77	90	14.173	1.754,936	6.230,944	3,551	3,088
28	41	96.956	45.361,118	1.064.447,977	23,466	23,003	78	91	11.207	1.350,574	4.476,007	3,314	2,851
29	42	96.789	44.071,017	1.019.086,859	23,124	22,661	79	92	8.554	1.003,266	3.125,434	3,115	2,652
30	43	96.612	42.813,128	975.015,842	22,774	22,311	80	93	6.345	724,201	2.122,167	2,930	2,468
31	44	96.416	41.582,792	932.202,714	22,418	21,955	81	94	4.558	506,298	1.397,966	2,761	2,298
32	45	96.206	40.381,623	890.619,921	22,055	21,592	82	95	3.166	342,320	891,668	2,605	2,142
33	46	95.975	39.206,372	850.238,299	21,686	21,223	83	96	2.115	222,558	549,348	2,468	2,006
34	47	95.718	38.055,112	811.031,927	21,312	20,849	84	97	1.362	139,511	326,790	2,342	1,880
35	48	95.441	36.929,278	772.976,815	20,931	20,468	85	98	845	84,171	187,279	2,225	1,762
36	49	95.139	35.827,178	736.047,538	20,544	20,082	86	99	505	48,943	103,109	2,107	1,644
37	50	94.803	34.745,116	700.220,359	20,153	19,690	87	100	287	27,070	54,165	2,001	1,538
38	51	94.449	33.689,009	665.475,244	19,753	19,291	88	101	154	14,194	27,095	1,909	1,446
39	52	94.057	32.651,244	631.786,235	19,350	18,887	89	102	79	7,063	12,902	1,827	1,364
40	53	93.628	31.632,467	599.134,991	18,941	18,478	90	103	38	3,334	5,839	1,751	1,288
41	54	93.172	30.635,797	567.502,524	18,524	18,061	91	104	18	1,491	2,505	1,680	1,217
42	55	92.671	29.655,710	536.866,727	18,103	17,640	92	105	8	0,627	1,013	1,616	1,153
43	56	92.117	28.689,293	507.211,017	17,679	17,217	93	106					
44	57	91.520	27.740,514	478.521,724	17,250	16,787	94	107					
45	58	90.867	26.805,464	450.781,210	16,817	16,354	95	108					
46	59	90.151	25.882,524	423.975,746	16,381	15,918	96	109					
47	60	89.388	24.976,679	398.093,222	15,939	15,476	97	110					
48	61	88.563	24.083,799	373.116,543	15,492	15,030	98	111					
49	62	87.705	23.212,168	349.032,744	15,037	14,574	99	112					
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -14 Jahre

Zinsfuß 2,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	14	99.452	99.452,383	3.009.872,013	30,264	29,802	50	64	86.172	22.195,991	316.058,677	14,239	13,777
1	15	98.987	96.337,825	2.910.419,631	30,211	29,748	51	65	85.118	21.337,704	293.862,686	13,772	13,309
2	16	98.929	93.704,817	2.814.081,806	30,031	29,569	52	66	83.985	20.490,305	272.524,981	13,300	12,837
3	17	98.889	91.159,232	2.720.376,989	29,842	29,379	53	67	82.737	19.645,400	252.034,677	12,829	12,366
4	18	98.849	88.683,746	2.629.217,756	29,647	29,184	54	68	81.381	18.806,303	232.389,277	12,357	11,894
5	19	98.807	86.273,822	2.540.534,010	29,447	28,985	55	69	79.904	17.970,773	213.582,974	11,885	11,422
6	20	98.766	83.930,020	2.454.260,188	29,242	28,779	56	70	78.294	17.137,418	195.612,201	11,414	10,952
7	21	98.723	81.648,400	2.370.330,168	29,031	28,568	57	71	76.577	16.312,927	178.474,783	10,941	10,478
8	22	98.687	79.433,911	2.288.681,768	28,812	28,350	58	72	74.683	15.483,789	162.161,856	10,473	10,010
9	23	98.649	77.277,823	2.209.247,856	28,588	28,126	59	73	72.638	14.656,621	146.678,067	10,008	9,545
10	24	98.614	75.182,901	2.131.970,033	28,357	27,894	60	74	70.410	13.826,920	132.021,395	9,548	9,085
11	25	98.578	73.143,954	2.056.787,133	28,120	27,657	61	75	68.033	13.002,502	118.194,475	9,090	8,627
12	26	98.539	71.158,531	1.983.643,179	27,876	27,414	62	76	65.473	12.178,348	105.191,974	8,638	8,175
13	27	98.499	69.225,615	1.912.484,647	27,627	27,164	63	77	62.721	11.354,271	93.013,626	8,192	7,729
14	28	98.457	67.344,494	1.843.259,032	27,371	26,908	64	78	59.804	10.536,396	81.659,355	7,750	7,287
15	29	98.410	65.510,544	1.775.914,538	27,109	26,646	65	79	56.679	9.718,515	71.122,959	7,318	6,855
16	30	98.358	63.723,523	1.710.403,993	26,841	26,378	66	80	53.343	8.901,852	61.404,444	6,898	6,435
17	31	98.288	61.973,976	1.646.680,470	26,571	26,108	67	81	49.774	8.083,862	52.502,592	6,495	6,032
18	32	98.203	60.263,199	1.584.706,495	26,296	25,834	68	82	45.993	7.269,812	44.418,730	6,110	5,647
19	33	98.094	58.584,990	1.524.443,295	26,021	25,558	69	83	42.003	6.461,563	37.148,918	5,749	5,286
20	34	97.976	56.948,336	1.465.858,305	25,740	25,277	70	84	37.989	5.687,656	30.687,355	5,395	4,933
21	35	97.855	55.356,070	1.408.909,969	25,452	24,989	71	85	33.940	4.945,422	24.999,699	5,055	4,592
22	36	97.728	53.804,719	1.353.553,899	25,157	24,694	72	86	30.017	4.256,763	20.054,277	4,711	4,248
23	37	97.599	52.295,621	1.299.749,181	24,854	24,391	73	87	26.041	3.594,033	15.797,514	4,395	3,933
24	38	97.467	50.827,070	1.247.453,560	24,543	24,080	74	88	22.080	2.965,854	12.203,481	4,115	3,652
25	39	97.328	49.396,265	1.196.626,490	24,225	23,762	75	89	18.362	2.400,397	9.237,627	3,848	3,386
26	40	97.179	48.000,615	1.147.230,226	23,900	23,438	76	90	14.917	1.897,874	6.837,230	3,603	3,140
27	41	97.025	46.641,905	1.099.229,610	23,567	23,105	77	91	11.856	1.468,071	4.939,356	3,365	2,902
28	42	96.860	45.316,279	1.052.587,706	23,228	22,765	78	92	9.107	1.097,476	3.471,285	3,163	2,700
29	43	96.680	44.021,452	1.007.271,427	22,881	22,419	79	93	6.797	797,205	2.373,808	2,978	2,515
30	44	96.487	42.757,556	963.249,975	22,528	22,065	80	94	4.923	561,987	1.576,603	2,805	2,343
31	45	96.282	41.524,909	920.492,419	22,167	21,704	81	95	3.449	383,196	1.014,616	2,648	2,185
32	46	96.053	40.317,577	878.967,510	21,801	21,338	82	96	2.334	252,366	631,420	2,502	2,039
33	47	95.802	39.135,958	838.649,933	21,429	20,966	83	97	1.517	159,611	379,053	2,375	1,912
34	48	95.532	37.981,108	799.513,975	21,050	20,587	84	98	949	97,203	219,442	2,258	1,795
35	49	95.239	36.850,990	761.532,867	20,665	20,202	85	99	571	56,902	122,239	2,148	1,685
36	50	94.910	35.740,952	724.681,877	20,276	19,813	86	100	331	32,062	65,337	2,038	1,575
37	51	94.563	34.657,328	688.940,925	19,879	19,416	87	101	182	17,161	33,276	1,939	1,476
38	52	94.187	33.595,446	654.283,598	19,475	19,013	88	102	95	8,696	16,115	1,853	1,390
39	53	93.773	32.552,532	620.688,152	19,067	18,604	89	103	47	4,177	7,418	1,776	1,313
40	54	93.332	31.532,586	588.135,619	18,652	18,189	90	104	22	1,901	3,241	1,705	1,242
41	55	92.848	30.529,238	556.603,033	18,232	17,769	91	105	10	0,818	1,341	1,638	1,175
42	56	92.320	29.543,408	526.073,795	17,807	17,344	92	106					
43	57	91.747	28.574,114	496.530,386	17,377	16,914	93	107					
44	58	91.111	27.616,705	467.956,273	16,945	16,482	94	108					
45	59	90.429	26.676,379	440.339,567	16,507	16,044	95	109					
46	60	89.693	25.750,943	413.663,189	16,064	15,601	96	110					
47	61	88.896	24.839,201	387.912,245	15,617	15,154	97	111					
48	62	88.065	23.948,271	363.073,044	15,161	14,698	98	112					
49	63	87.153	23.066,097	339.124,773	14,702	14,239	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -15 Jahre

Zinsfuß 2,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	15	99.441	99.440,794	2.996.758,301	30,136	29,673	50	65	85.542	22.033,675	305.908,509	13,884	13,421
1	16	98.969	96.320,612	2.897.317,507	30,080	29,617	51	66	84.423	21.163,431	283.874,833	13,413	12,951
2	17	98.908	93.684,973	2.800.996,894	29,898	29,435	52	67	83.225	20.304,732	262.711,402	12,938	12,476
3	18	98.867	91.139,175	2.707.311,922	29,705	29,242	53	68	81.896	19.445,704	242.406,669	12,466	12,003
4	19	98.820	88.658,242	2.616.172,746	29,509	29,046	54	69	80.450	18.591,205	222.960,965	11,993	11,530
5	20	98.780	86.249,907	2.527.514,504	29,305	28,842	55	70	78.884	17.741,499	204.369,761	11,519	11,056
6	21	98.735	83.903,510	2.441.264,598	29,096	28,633	56	71	77.181	16.893,834	186.628,262	11,047	10,584
7	22	98.699	81.628,423	2.357.361,088	28,879	28,416	57	72	75.335	16.048,458	169.734,427	10,576	10,114
8	23	98.660	79.412,405	2.275.732,665	28,657	28,194	58	73	73.337	15.204,631	153.685,970	10,108	9,645
9	24	98.623	77.257,661	2.196.320,259	28,429	27,966	59	74	71.158	14.358,080	138.481,339	9,645	9,182
10	25	98.587	75.162,475	2.119.062,599	28,193	27,730	60	75	68.807	13.512,195	124.123,259	9,186	8,723
11	26	98.553	73.125,956	2.043.900,123	27,950	27,488	61	76	66.269	12.665,379	110.611,063	8,733	8,271
12	27	98.512	71.138,610	1.970.774,168	27,703	27,240	62	77	63.578	11.825,805	97.945,685	8,282	7,820
13	28	98.470	69.205,441	1.899.635,558	27,449	26,986	63	78	60.681	10.984,888	86.119,880	7,840	7,377
14	29	98.428	67.324,505	1.830.430,117	27,188	26,725	64	79	57.587	10.145,895	75.134,992	7,405	6,943
15	30	98.381	65.491,369	1.763.105,612	26,921	26,458	65	80	54.294	9.309,695	64.989,097	6,981	6,518
16	31	98.326	63.702,659	1.697.614,243	26,649	26,186	66	81	50.745	8.468,204	55.679,402	6,575	6,112
17	32	98.253	61.951,838	1.633.911,584	26,374	25,911	67	82	46.999	7.633,236	47.211,198	6,185	5,722
18	33	98.168	60.241,771	1.571.959,746	26,094	25,631	68	83	43.020	6.800,007	39.577,962	5,820	5,357
19	34	98.055	58.561,581	1.511.717,975	25,814	25,351	69	84	38.993	5.998,540	32.777,955	5,464	5,001
20	35	97.930	56.921,637	1.453.156,394	25,529	25,066	70	85	34.936	5.230,588	26.779,415	5,120	4,657
21	36	97.805	55.327,730	1.396.234,757	25,236	24,773	71	86	30.993	4.516,037	21.548,827	4,772	4,309
22	37	97.673	53.774,294	1.340.907,026	24,936	24,473	72	87	26.991	3.827,620	17.032,790	4,450	3,987
23	38	97.540	52.263,552	1.287.132,732	24,628	24,165	73	88	22.971	3.170,376	13.205,170	4,165	3,702
24	39	97.399	50.791,515	1.234.869,180	24,313	23,850	74	89	19.176	2.575,764	10.034,793	3,896	3,433
25	40	97.251	49.356,735	1.184.077,665	23,990	23,527	75	90	15.640	2.044,599	7.459,029	3,648	3,185
26	41	97.095	47.958,856	1.134.720,930	23,660	23,197	76	91	12.479	1.587,644	5.414,430	3,410	2,948
27	42	96.930	46.595,800	1.086.762,074	23,323	22,860	77	92	9.634	1.192,955	3.826,786	3,208	2,745
28	43	96.751	45.265,313	1.040.166,275	22,979	22,517	78	93	7.237	872,066	2.633,832	3,020	2,557
29	44	96.555	43.964,311	994.900,962	22,630	22,167	79	94	5.275	618,639	1.761,766	2,848	2,385
30	45	96.352	42.698,037	950.936,651	22,271	21,808	80	95	3.726	425,345	1.143,127	2,688	2,225
31	46	96.129	41.459,050	908.238,613	21,907	21,444	81	96	2.543	282,501	717,782	2,541	2,078
32	47	95.881	40.245,168	866.779,564	21,537	21,075	82	97	1.674	180,988	435,281	2,405	1,942
33	48	95.616	39.059,852	826.534,396	21,161	20,698	83	98	1.057	111,208	254,293	2,287	1,824
34	49	95.330	37.900,591	787.474,544	20,777	20,315	84	99	642	65,712	143,085	2,177	1,715
35	50	95.009	36.762,300	749.573,953	20,390	19,927	85	100	374	37,275	77,373	2,076	1,613
36	51	94.670	35.650,648	712.811,654	19,994	19,532	86	101	210	20,325	40,098	1,973	1,510
37	52	94.301	34.561,076	677.161,006	19,593	19,130	87	102	111	10,515	19,772	1,880	1,418
38	53	93.902	33.493,880	642.599,930	19,186	18,723	88	103	56	5,143	9,258	1,800	1,337
39	54	93.477	32.449,746	609.106,050	18,771	18,308	89	104	27	2,381	4,115	1,728	1,265
40	55	93.008	31.422,908	576.656,303	18,351	17,889	90	105	12	1,043	1,733	1,661	1,199
41	56	92.496	30.413,628	545.233,395	17,927	17,464	91	106					
42	57	91.950	29.424,800	514.819,767	17,496	17,033	92	107					
43	58	91.337	28.446,585	485.394,967	17,063	16,601	93	108					
44	59	90.673	27.483,714	456.948,382	16,626	16,163	94	109					
45	60	89.970	26.540,762	429.464,668	16,181	15,719	95	110					
46	61	89.199	25.609,204	402.923,906	15,734	15,271	96	111					
47	62	88.396	24.699,422	377.314,703	15,276	14,813	97	112					
48	63	87.511	23.797,567	352.615,281	14,817	14,354	98						
49	64	86.560	22.909,205	328.817,714	14,353		99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -16 Jahre

Zinsfuß 2,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	16	99.423	99.423,027	2.983.022,015	30,003	29,541	50	66	84.843	21.853,718	295.378,010	13,516	13,053
1	17	98.948	96.300,214	2.883.598,988	29,944	29,481	51	67	83.658	20.971,763	273.524,292	13,043	12,580
2	18	98.887	93.664,360	2.787.298,774	29,758	29,296	52	68	82.379	20.098,335	252.552,528	12,566	12,103
3	19	98.838	91.112,965	2.693.634,414	29,564	29,101	53	69	80.959	19.223,293	232.454,193	12,092	11,629
4	20	98.793	88.633,665	2.602.521,449	29,363	28,900	54	70	79.424	18.354,015	213.230,901	11,618	11,155
5	21	98.749	86.222,664	2.513.887,784	29,156	28,693	55	71	77.763	17.489,329	194.876,886	11,143	10,680
6	22	98.711	83.882,981	2.427.665,120	28,941	28,478	56	72	75.930	16.619,947	177.387,557	10,673	10,210
7	23	98.673	81.606,323	2.343.782,139	28,721	28,258	57	73	73.977	15.759,118	160.767,610	10,202	9,739
8	24	98.635	79.391,686	2.262.175,816	28,494	28,031	58	74	71.843	14.894,876	145.008,492	9,735	9,273
9	25	98.596	77.236,671	2.182.784,130	28,261	27,798	59	75	69.538	14.031,266	130.113,615	9,273	8,810
10	26	98.563	75.143,980	2.105.547,458	28,020	27,557	60	76	67.023	13.161,858	116.082,349	8,820	8,357
11	27	98.526	73.105,483	2.030.403,478	27,774	27,311	61	77	64.351	12.298,737	102.920,492	8,368	7,906
12	28	98.483	71.117,878	1.957.297,994	27,522	27,059	62	78	61.509	11.441,082	90.621,755	7,921	7,458
13	29	98.441	69.184,899	1.886.180,117	27,263	26,800	63	79	58.432	10.577,765	79.180,673	7,486	7,023
14	30	98.399	67.304,798	1.816.995,217	26,997	26,534	64	80	55.165	9.719,096	68.602,908	7,059	6,596
15	31	98.349	65.469,926	1.749.690,419	26,725	26,262	65	81	51.649	8.856,179	58.883,812	6,649	6,186
16	32	98.291	63.679,904	1.684.220,493	26,448	25,985	66	82	47.916	7.996,153	50.027,633	6,256	5,794
17	33	98.218	61.929,809	1.620.540,589	26,167	25,705	67	83	43.962	7.139,945	42.031,480	5,887	5,424
18	34	98.129	60.217,700	1.558.610,780	25,883	25,420	68	84	39.938	6.312,732	34.891,535	5,527	5,064
19	35	98.009	58.534,126	1.498.393,080	25,599	25,136	69	85	35.860	5.516,488	28.578,803	5,181	4,718
20	36	97.879	56.892,496	1.439.858,954	25,308	24,846	70	86	31.903	4.776,444	23.062,314	4,828	4,366
21	37	97.750	55.296,445	1.382.966,458	25,010	24,547	71	87	27.869	4.060,756	18.285,870	4,503	4,040
22	38	97.613	53.741,319	1.327.670,013	24,705	24,242	72	88	23.809	3.376,429	14.225,115	4,213	3,750
23	39	97.471	52.226,993	1.273.928,694	24,392	23,929	73	89	19.950	2.753,386	10.848,685	3,940	3,477
24	40	97.321	50.750,869	1.221.701,701	24,073	23,610	74	90	16.334	2.193,972	8.095,299	3,690	3,227
25	41	97.166	49.313,795	1.170.950,832	23,745	23,282	75	91	13.084	1.710,385	5.901,327	3,450	2,987
26	42	96.999	47.911,449	1.121.637,037	23,411	22,948	76	92	10.140	1.290,120	4.190,942	3,248	2,786
27	43	96.821	46.543,395	1.073.725,588	23,069	22,607	77	93	7.656	947,934	2.900,823	3,060	2,597
28	44	96.626	45.206,558	1.027.182,194	22,722	22,259	78	94	5.616	676,731	1.952,889	2,886	2,423
29	45	96.420	43.903,112	981.975,636	22,367	21,904	79	95	3.992	468,223	1.276,158	2,726	2,263
30	46	96.200	42.630,318	938.072,523	22,005	21,542	80	96	2.747	313,574	807,936	2,577	2,114
31	47	95.957	41.384,590	895.442,206	21,637	21,174	81	97	1.824	202,600	494,361	2,440	1,977
32	48	95.694	40.166,905	854.057,616	21,263	20,800	82	98	1.166	126,103	291,761	2,314	1,851
33	49	95.413	38.977,048	813.890,711	20,881	20,418	83	99	714	75,180	165,659	2,204	1,741
34	50	95.100	37.809,374	774.913,663	20,495	20,032	84	100	420	43,046	90,479	2,102	1,639
35	51	94.769	36.669,415	737.104,288	20,101	19,639	85	101	237	23,630	47,432	2,007	1,544
36	52	94.407	35.551,638	700.434,873	19,702	19,239	86	102	128	12,453	23,802	1,911	1,448
37	53	94.016	34.456,591	664.883,236	19,296	18,833	87	103	66	6,218	11,349	1,825	1,362
38	54	93.606	33.388,122	630.426,645	18,882	18,419	88	104	32	2,932	5,130	1,750	1,287
39	55	93.151	32.336,878	597.038,523	18,463	18,000	89	105	15	1,307	2,198	1,682	1,219
40	56	92.656	31.303,914	564.701,645	18,039	17,577	90	106					
41	57	92.125	30.291,526	533.397,731	17,609	17,146	91	107					
42	58	91.539	29.293,474	503.106,205	17,175	16,712	92	108					
43	59	90.898	28.309,597	473.812,730	16,737	16,274	93	109					
44	60	90.212	27.343,992	445.503,134	16,293	15,830	94	110					
45	61	89.474	26.394,675	418.159,141	15,843	15,380	95	111					
46	62	88.697	25.465,092	391.764,467	15,384	14,922	96	112					
47	63	87.840	24.543,991	366.299,375	14,924	14,461	97						
48	64	86.915	23.635,700	341.755,384	14,459	13,996	98						
49	65	85.927	22.741,674	318.119,684	13,988	13,526	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -17 Jahre

Zinsfuß 2,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	17	99.402	99.401,972	2.968.660,557	29,865	29,402	50	67	84.075	21.655,798	284.483,502	13,137	12,674
1	18	98.927	96.279,026	2.869.258,585	29,801	29,339	51	68	82.808	20.758,585	262.827,704	12,661	12,198
2	19	98.858	93.637,423	2.772.979,559	29,614	29,151	52	69	81.437	19.868,459	242.069,119	12,184	11,721
3	20	98.811	91.087,708	2.679.342,136	29,415	28,952	53	70	79.926	18.978,039	222.200,660	11,708	11,245
4	21	98.762	88.605,670	2.588.254,429	29,211	28,748	54	71	78.295	18.093,139	203.222,621	11,232	10,769
5	22	98.724	86.201,568	2.499.648,759	28,998	28,535	55	72	76.502	17.205,788	185.129,482	10,760	10,297
6	23	98.684	83.860,271	2.413.447,191	28,779	28,317	56	73	74.561	16.320,304	167.923,694	10,289	9,826
7	24	98.647	81.585,031	2.329.586,920	28,554	28,091	57	74	72.470	15.438,068	151.603,391	9,820	9,357
8	25	98.608	79.370,117	2.248.001,889	28,323	27,860	58	75	70.208	14.555,843	136.165,323	9,355	8,892
9	26	98.572	77.217,666	2.168.631,772	28,085	27,622	59	76	67.735	13.667,470	121.609,479	8,898	8,435
10	27	98.535	75.122,943	2.091.414,106	27,840	27,377	60	77	65.083	12.780,844	107.942,009	8,446	7,983
11	28	98.497	73.084,178	2.016.291,163	27,589	27,126	61	78	62.257	11.898,628	95.161,166	7,998	7,535
12	29	98.454	71.096,769	1.943.206,985	27,332	26,869	62	79	59.230	11.017,051	83.262,537	7,558	7,095
13	30	98.412	69.164,648	1.872.110,216	27,067	26,605	63	80	55.974	10.132,799	72.245,487	7,130	6,667
14	31	98.367	67.282,762	1.802.945,568	26,797	26,334	64	81	52.478	9.245,636	62.112,687	6,718	6,255
15	32	98.314	65.446,539	1.735.662,806	26,520	26,057	65	82	48.770	8.362,501	52.867,051	6,322	5,859
16	33	98.256	63.657,261	1.670.216,267	26,238	25,775	66	83	44.820	7.479,409	44.504,550	5,950	5,487
17	34	98.179	61.905,064	1.606.559,006	25,952	25,489	67	84	40.812	6.628,311	37.025,141	5,586	5,123
18	35	98.083	60.189,469	1.544.653,942	25,663	25,200	68	85	36.728	5.805,431	30.396,829	5,236	4,773
19	36	97.958	58.504,159	1.484.464,474	25,374	24,911	69	86	32.746	5.037,521	24.591,398	4,882	4,419
20	37	97.824	56.860,326	1.425.960,314	25,078	24,615	70	87	28.687	4.294,909	19.553,877	4,553	4,090
21	38	97.690	55.262,536	1.369.099,989	24,774	24,312	71	88	24.584	3.582,083	15.258,967	4,260	3,797
22	39	97.545	53.703,726	1.313.837,453	24,465	24,002	72	89	20.678	2.932,338	11.676,884	3,982	3,519
23	40	97.393	52.185,198	1.260.133,727	24,147	23,685	73	90	16.993	2.345,266	8.744,546	3,729	3,266
24	41	97.237	50.706,716	1.207.948,529	23,822	23,359	74	91	13.664	1.835,341	6.399,280	3,487	3,024
25	42	97.070	49.265,049	1.157.241,812	23,490	23,027	75	92	10.632	1.389,859	4.563,939	3,284	2,821
26	43	96.890	47.857,564	1.107.976,763	23,152	22,689	76	93	8.058	1.025,142	3.174,081	3,096	2,633
27	44	96.695	46.482,980	1.060.119,199	22,807	22,344	77	94	5.941	735,605	2.148,939	2,921	2,458
28	45	96.491	45.143,630	1.013.636,219	22,454	21,991	78	95	4.250	512,190	1.413,333	2,759	2,297
29	46	96.267	43.833,481	968.492,589	22,095	21,632	79	96	2.943	345,185	901,143	2,611	2,148
30	47	96.027	42.553,754	924.659,107	21,729	21,266	80	97	1.970	224,884	555,958	2,472	2,009
31	48	95.770	41.304,112	882.105,353	21,356	20,894	81	98	1.271	141,160	331,074	2,345	1,883
32	49	95.492	40.081,754	840.801,241	20,977	20,514	82	99	788	85,249	189,914	2,228	1,765
33	50	95.184	38.883,241	800.719,487	20,593	20,130	83	100	468	49,248	104,665	2,125	1,662
34	51	94.860	37.713,844	761.836,246	20,200	19,738	84	101	266	27,289	55,416	2,031	1,568
35	52	94.506	36.567,575	724.122,402	19,802	19,339	85	102	145	14,478	28,127	1,943	1,480
36	53	94.122	35.444,158	687.554,827	19,398	18,935	86	103	76	7,365	13,649	1,853	1,390
37	54	93.719	34.347,792	652.110,669	18,986	18,523	87	104	38	3,545	6,284	1,773	1,310
38	55	93.280	33.271,990	617.762,877	18,567	18,104	88	105	18	1,609	2,739	1,702	1,239
39	56	92.799	32.214,423	584.490,887	18,144	17,681	89						
40	57	92.284	31.178,238	552.276,464	17,714	17,251	90						
41	58	91.714	30.156,332	521.098,226	17,280	16,817	91						
42	59	91.099	29.152,408	490.941,894	16,841	16,378	92						
43	60	90.435	28.165,677	461.789,486	16,395	15,933	93						
44	61	89.715	27.193,484	433.623,809	15,946	15,483	94						
45	62	88.971	26.246,143	406.430,325	15,485	15,023	95						
46	63	88.139	25.304,842	380.184,182	15,024	14,561	96						
47	64	87.242	24.377,047	354.879,340	14,558	14,095	97						
48	65	86.280	23.462,856	330.502,293	14,086	13,623	98						
49	66	85.226	22.555,934	307.039,436	13,612	13,150	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -18 Jahre

Zinsfuß 2,75%

Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	18	99.380	99.380,101	2.953.668,756	29,721	29,258	50	68	83.220	21.435,667	273.242,602	12,747	12,284
1	19	98.898	96.251,337	2.854.288,654	29,655	29,192	51	69	81.861	20.521,157	251.806,935	12,271	11,808
2	20	98.831	93.611,466	2.758.037,317	29,463	29,000	52	70	80.398	19.614,974	231.285,777	11,791	11,328
3	21	98.780	91.058,937	2.664.425,851	29,260	28,798	53	71	78.790	18.708,294	211.670,804	11,314	10,851
4	22	98.738	88.583,990	2.573.366,914	29,050	28,587	54	72	77.025	17.799,808	192.962,510	10,841	10,378
5	23	98.698	86.178,230	2.484.782,924	28,833	28,370	55	73	75.123	16.895,583	175.162,702	10,367	9,905
6	24	98.658	83.838,391	2.398.604,694	28,610	28,147	56	74	73.042	15.987,821	158.267,119	9,899	9,436
7	25	98.620	81.562,867	2.314.766,303	28,380	27,917	57	75	70.820	15.086,671	142.279,299	9,431	8,968
8	26	98.584	79.350,587	2.233.203,436	28,144	27,681	58	76	68.387	14.178,446	127.192,628	8,971	8,508
9	27	98.544	77.196,048	2.153.852,850	27,901	27,438	59	77	65.775	13.271,819	113.014,181	8,515	8,053
10	28	98.506	75.101,050	2.076.656,801	27,652	27,189	60	78	62.966	12.365,051	99.742,362	8,066	7,604
11	29	98.468	73.062,485	2.001.555,751	27,395	26,932	61	79	59.950	11.457,640	87.377,311	7,626	7,163
12	30	98.425	71.075,958	1.928.493,266	27,133	26,670	62	80	56.738	10.553,606	75.919,671	7,194	6,731
13	31	98.380	69.142,003	1.857.417,308	26,864	26,401	63	81	53.247	9.639,186	65.366,065	6,781	6,318
14	32	98.332	67.258,728	1.788.275,306	26,588	26,125	64	82	49.552	8.730,249	55.726,879	6,383	5,920
15	33	98.279	65.423,268	1.721.016,578	26,306	25,843	65	83	45.619	7.822,082	46.996,630	6,008	5,545
16	34	98.216	63.631,825	1.655.593,310	26,018	25,555	66	84	41.608	6.943,450	39.174,549	5,642	5,179
17	35	98.133	61.876,041	1.591.961,485	25,728	25,265	67	85	37.532	6.095,650	32.231,098	5,288	4,825
18	36	98.033	60.158,654	1.530.085,444	25,434	24,971	68	86	33.539	5.301,377	26.135,448	4,930	4,467
19	37	97.903	58.471,078	1.469.926,790	25,139	24,677	69	87	29.445	4.529,667	20.834,071	4,599	4,137
20	38	97.764	56.825,458	1.411.455,712	24,838	24,376	70	88	25.305	3.788,635	16.304,405	4,304	3,841
21	39	97.621	55.223,879	1.354.630,254	24,530	24,067	71	89	21.350	3.110,943	12.515,769	4,023	3,560
22	40	97.467	53.660,749	1.299.406,375	24,215	23,752	72	90	17.613	2.497,692	9.404,827	3,765	3,303
23	41	97.309	52.139,798	1.245.745,626	23,892	23,430	73	91	14.215	1.961,904	6.907,134	3,521	3,058
24	42	97.140	50.656,594	1.193.605,828	23,563	23,100	74	92	11.103	1.491,398	4.945,230	3,316	2,853
25	43	96.961	49.209,642	1.142.949,235	23,226	22,763	75	93	8.448	1.104,396	3.453,832	3,127	2,665
26	44	96.764	47.795,444	1.093.739,593	22,884	22,421	76	94	6.253	795,520	2.349,436	2,953	2,491
27	45	96.560	46.418,276	1.045.944,148	22,533	22,070	77	95	4.496	556,750	1.553,917	2,791	2,328
28	46	96.338	45.072,032	999.525,873	22,176	21,713	78	96	3.133	377,599	997,167	2,641	2,178
29	47	96.094	43.754,757	954.453,841	21,814	21,351	79	97	2.111	247,554	619,568	2,503	2,040
30	48	95.840	42.471,002	910.699,084	21,443	20,980	80	98	1.373	156,687	372,014	2,374	1,911
31	49	95.567	41.216,550	868.228,081	21,065	20,602	81	99	859	95,428	215,327	2,256	1,794
32	50	95.262	39.985,288	827.011,531	20,683	20,220	82	100	517	55,844	119,898	2,147	1,684
33	51	94.943	38.784,997	787.026,243	20,292	19,829	83	101	297	31,221	64,054	2,052	1,589
34	52	94.597	37.609,104	748.241,246	19,895	19,432	84	102	163	16,720	32,833	1,964	1,501
35	53	94.220	36.457,024	710.632,142	19,492	19,030	85	103	86	8,563	16,113	1,882	1,419
36	54	93.825	35.332,241	674.175,118	19,081	18,618	86	104	43	4,199	7,551	1,798	1,335
37	55	93.393	34.228,322	638.842,877	18,664	18,201	87	105	21	1,946	3,352	1,723	1,260
38	56	92.927	33.145,994	604.614,555	18,241	17,778	88	106					
39	57	92.426	32.085,091	571.468,561	17,811	17,348	89	107					
40	58	91.872	31.039,087	539.383,470	17,378	16,915	90	108					
41	59	91.272	30.011,111	508.344,383	16,939	16,476	91	109					
42	60	90.635	29.004,203	478.333,273	16,492	16,029	92	110					
43	61	89.938	28.010,646	449.329,069	16,041	15,579	93	111					
44	62	89.210	27.040,457	421.318,423	15,581	15,118	94	112					
45	63	88.411	26.080,978	394.277,966	15,117	14,655	95						
46	64	87.539	25.132,723	368.196,988	14,650	14,187	96						
47	65	86.604	24.198,782	343.064,265	14,177	13,714	97						
48	66	85.575	23.271,226	318.865,483	13,702	13,239	98						
49	67	84.454	22.351,654	295.594,257	13,225	12,762	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -19 Jahre

Zinsfuß 2,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	19	99.352	99.351,520	2.938.039,070	29,572	29,109	50	69	82.268	21.190,495	261.678,185	12,349	11,886
1	20	98.871	96.224,655	2.838.687,550	29,501	29,038	51	70	80.816	20.259,345	240.487,690	11,870	11,408
2	21	98.800	93.581,899	2.742.462,895	29,305	28,843	52	71	79.255	19.336,175	220.228,345	11,389	10,927
3	22	98.756	91.036,657	2.648.880,996	29,097	28,634	53	72	77.513	18.404,990	200.892,169	10,915	10,452
4	23	98.711	88.560,007	2.557.844,339	28,883	28,420	54	73	75.637	17.478,894	182.487,180	10,440	9,978
5	24	98.672	86.155,745	2.469.284,331	28,661	28,198	55	74	73.593	16.551,380	165.008,286	9,969	9,507
6	25	98.632	83.815,614	2.383.128,586	28,433	27,970	56	75	71.379	15.623,911	148.456,906	9,502	9,039
7	26	98.596	81.542,797	2.299.312,972	28,198	27,735	57	76	68.984	14.695,511	132.832,996	9,039	8,576
8	27	98.556	79.328,372	2.217.770,176	27,957	27,494	58	77	66.408	13.768,004	118.137,485	8,581	8,118
9	28	98.516	77.173,551	2.138.441,804	27,710	27,247	59	78	63.635	12.840,054	104.369,481	8,128	7,666
10	29	98.477	75.078,758	2.061.268,253	27,455	26,992	60	79	60.632	11.906,776	91.529,428	7,687	7,224
11	30	98.439	73.041,099	1.986.189,494	27,193	26,730	61	80	57.428	10.975,661	79.622,652	7,254	6,792
12	31	98.393	71.052,687	1.913.148,395	26,926	26,463	62	81	53.974	10.039,494	68.646,991	6,838	6,375
13	32	98.345	69.117,304	1.842.095,709	26,652	26,189	63	82	50.279	9.101,861	58.607,497	6,439	5,976
14	33	98.297	67.234,812	1.772.978,404	26,370	25,907	64	83	46.350	8.166,064	49.505,636	6,062	5,600
15	34	98.239	65.397,126	1.705.743,592	26,083	25,620	65	84	42.350	7.261,568	41.339,572	5,693	5,230
16	35	98.170	63.601,993	1.640.346,466	25,791	25,328	66	85	38.264	6.385,464	34.078,004	5,337	4,874
17	36	98.082	61.844,364	1.576.744,473	25,495	25,033	67	86	34.273	5.566,398	27.692,541	4,975	4,512
18	37	97.977	60.124,637	1.514.900,109	25,196	24,733	68	87	30.158	4.766,922	22.126,143	4,642	4,179
19	38	97.843	58.435,222	1.454.775,472	24,896	24,433	69	88	25.974	3.995,720	17.359,221	4,344	3,882
20	39	97.696	56.785,708	1.396.340,250	24,590	24,127	70	89	21.977	3.290,327	13.363,501	4,061	3,599
21	40	97.543	55.179,685	1.339.554,543	24,276	23,813	71	90	18.186	2.649,824	10.073,174	3,801	3,339
22	41	97.382	53.614,065	1.284.374,857	23,956	23,493	72	91	14.734	2.089,415	7.423,350	3,553	3,090
23	42	97.212	52.088,258	1.230.760,792	23,628	23,166	73	92	11.551	1.594,244	5.333,935	3,346	2,883
24	43	97.031	50.599,622	1.178.672,534	23,294	22,831	74	93	8.823	1.185,080	3.739,692	3,156	2,693
25	44	96.835	49.145,767	1.128.072,912	22,954	22,491	75	94	6.556	857,021	2.554,612	2,981	2,518
26	45	96.629	47.728,912	1.078.927,145	22,605	22,142	76	95	4.732	602,097	1.697,591	2,819	2,357
27	46	96.407	46.344,656	1.031.198,233	22,251	21,788	77	96	3.315	410,449	1.095,494	2,669	2,206
28	47	96.165	44.991,083	984.853,577	21,890	21,427	78	97	2.247	270,800	685,045	2,530	2,067
29	48	95.908	43.669,670	939.862,493	21,522	21,059	79	98	1.471	172,482	414,245	2,402	1,939
30	49	95.637	42.380,967	896.192,824	21,146	20,683	80	99	928	105,925	241,763	2,282	1,820
31	50	95.337	41.117,353	853.811,857	20,765	20,302	81	100	563	62,513	135,838	2,173	1,710
32	51	95.021	39.884,260	812.694,504	20,376	19,913	82	101	327	35,402	73,325	2,071	1,608
33	52	94.680	38.677,282	772.810,244	19,981	19,518	83	102	182	19,129	37,923	1,982	1,520
34	53	94.311	37.495,404	734.132,962	19,579	19,116	84	103	97	9,888	18,794	1,901	1,438
35	54	93.923	36.341,909	696.637,558	19,169	18,706	85	104	49	4,882	8,905	1,824	1,361
36	55	93.498	35.209,347	660.295,649	18,753	18,291	86	105	24	2,305	4,024	1,746	1,283
37	56	93.039	34.098,705	625.086,302	18,332	17,869	87	106					
38	57	92.554	33.012,922	590.987,597	17,902	17,439	88	107					
39	58	92.014	31.941,893	557.974,675	17,468	17,006	89	108					
40	59	91.429	30.889,614	526.032,782	17,029	16,567	90	109					
41	60	90.808	29.858,541	495.143,169	16,583	16,120	91	110					
42	61	90.137	28.844,557	465.284,628	16,131	15,668	92	111					
43	62	89.432	27.853,020	436.440,071	15,669	15,207	93	112					
44	63	88.649	26.870,294	408.587,051	15,206	14,743	94						
45	64	87.810	25.903,580	381.716,757	14,736	14,273	95						
46	65	86.899	24.948,932	355.813,177	14,262	13,799	96						
47	66	85.897	24.001,142	330.864,245	13,785	13,323	97						
48	67	84.800	23.060,469	306.863,104	13,307	12,844	98						
49	68	83.595	22.124,450	283.802,635	12,828	12,365	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -20 Jahre

Zinsfuß 2,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	20	99.324	99.323,980	2.921.770,068	29,417	28,954	50	70	81.219	20.920,143	249.816,966	11,941	11,479
1	21	98.840	96.194,262	2.822.446,088	29,341	28,878	51	71	79.668	19.971,388	228.896,822	11,461	10,998
2	22	98.776	93.559,002	2.726.251,826	29,139	28,677	52	72	77.970	19.022,692	208.925,434	10,983	10,520
3	23	98.729	91.012,010	2.632.692,824	28,927	28,464	53	73	76.115	18.073,164	189.902,742	10,507	10,045
4	24	98.685	88.536,901	2.541.680,814	28,708	28,245	54	74	74.096	17.122,807	171.829,578	10,035	9,572
5	25	98.645	86.132,338	2.453.143,913	28,481	28,018	55	75	71.918	16.174,642	154.706,771	9,565	9,102
6	26	98.607	83.794,990	2.367.011,574	28,248	27,785	56	76	69.529	15.218,821	138.532,129	9,103	8,640
7	27	98.568	81.519,968	2.283.216,584	28,008	27,545	57	77	66.987	14.270,100	123.313,308	8,641	8,179
8	28	98.527	79.305,253	2.201.696,616	27,762	27,299	58	78	64.247	13.320,096	109.043,208	8,186	7,724
9	29	98.486	77.150,644	2.122.391,363	27,510	27,047	59	79	61.276	12.364,174	95.723,112	7,742	7,279
10	30	98.448	75.056,782	2.045.240,719	27,249	26,786	60	80	58.082	11.405,904	83.358,938	7,308	6,846
11	31	98.407	73.017,184	1.970.183,937	26,982	26,520	61	81	54.630	10.440,989	71.953,034	6,891	6,429
12	32	98.357	71.027,306	1.897.166,753	26,710	26,248	62	82	50.965	9.479,853	61.512,045	6,489	6,026
13	33	98.310	69.092,728	1.826.139,447	26,430	25,967	63	83	47.030	8.513,661	52.032,192	6,112	5,649
14	34	98.258	67.207,947	1.757.046,719	26,143	25,681	64	84	43.029	7.580,901	43.518,531	5,741	5,278
15	35	98.193	65.366,467	1.689.838,772	25,852	25,389	65	85	38.946	6.678,017	35.937,630	5,381	4,919
16	36	98.120	63.569,432	1.624.472,305	25,554	25,091	66	86	34.942	5.831,048	29.259,613	5,018	4,555
17	37	98.027	61.809,393	1.560.902,874	25,253	24,791	67	87	30.818	5.005,224	23.428,565	4,681	4,218
18	38	97.917	60.087,767	1.499.093,481	24,948	24,486	68	88	26.603	4.205,008	18.423,340	4,381	3,918
19	39	97.774	58.394,346	1.439.005,713	24,643	24,180	69	89	22.558	3.470,175	14.218,332	4,097	3,634
20	40	97.618	56.740,264	1.380.611,367	24,332	23,869	70	90	18.719	2.802,619	10.748,157	3,835	3,372
21	41	97.458	55.131,680	1.323.871,103	24,013	23,550	71	91	15.213	2.216,678	7.945,538	3,584	3,122
22	42	97.286	53.561,068	1.268.739,423	23,688	23,225	72	92	11.973	1.697,859	5.728,860	3,374	2,911
23	43	97.103	52.029,676	1.215.178,355	23,355	22,893	73	93	9.179	1.266,802	4.031,001	3,182	2,719
24	44	96.905	50.533,942	1.163.148,679	23,017	22,554	74	94	6.847	919,633	2.764,199	3,006	2,543
25	45	96.700	49.077,356	1.112.614,736	22,671	22,208	75	95	4.962	648,645	1.844,566	2,844	2,381
26	46	96.476	47.653,214	1.063.537,381	22,318	21,855	76	96	3.489	443,880	1.195,922	2,694	2,231
27	47	96.234	46.261,422	1.015.884,167	21,960	21,497	77	97	2.377	294,359	752,042	2,555	2,092
28	48	95.978	44.903,592	969.622,745	21,593	21,131	78	98	1.566	188,679	457,683	2,426	1,963
29	49	95.704	43.577,093	924.719,153	21,220	20,757	79	99	994	116,603	269,004	2,307	1,844
30	50	95.407	42.278,968	881.142,060	20,841	20,378	80	100	608	69,389	152,401	2,196	1,734
31	51	95.096	41.013,465	838.863,093	20,453	19,991	81	101	357	39,630	83,012	2,095	1,632
32	52	94.757	39.773,492	797.849,628	20,060	19,597	82	102	201	21,691	43,383	2,000	1,537
33	53	94.393	38.560,353	758.076,136	19,659	19,197	83	103	108	11,313	21,692	1,917	1,455
34	54	94.013	37.377,010	719.515,784	19,250	18,787	84	104	55	5,637	10,379	1,841	1,378
35	55	93.596	36.215,504	682.138,773	18,836	18,373	85	105	27	2,679	4,741	1,770	1,307
36	56	93.144	35.076,014	645.923,270	18,415	17,952	86	106					
37	57	92.666	33.961,808	610.847,256	17,986	17,523	87	107					
38	58	92.141	32.865,582	576.885,448	17,553	17,090	88	108					
39	59	91.570	31.788,072	544.019,865	17,114	16,651	89	109					
40	60	90.965	30.732,578	512.231,793	16,667	16,205	90	110					
41	61	90.308	29.694,192	481.499,215	16,215	15,752	91	111					
42	62	89.629	28.682,238	451.805,024	15,752	15,289	92	112					
43	63	88.869	27.677,744	423.122,785	15,287	14,825	93						
44	64	88.046	26.687,527	395.445,041	14,818	14,355	94						
45	65	87.167	25.714,152	368.757,514	14,341	13,878	95						
46	66	86.190	24.745,165	343.043,363	13,863	13,400	96						
47	67	85.119	23.783,773	318.298,198	13,383	12,920	97						
48	68	83.938	22.826,059	294.514,425	12,903	12,440	98						
49	69	82.639	21.871,400	271.688,366	12,422	11,959	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -21 Jahre

Zinsfuß 2,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	21	99.293	99.292,607	2.904.852,442	29,255	28,793	50	71	80.064	20.622,794	237.686,765	11,525	11,063
1	22	98.815	96.170,726	2.805.559,834	29,173	28,710	51	72	78.376	19.647,606	217.063,971	11,048	10,585
2	23	98.749	93.533,672	2.709.389,108	28,967	28,504	52	73	76.564	18.679,730	197.416,364	10,568	10,106
3	24	98.703	90.988,264	2.615.855,436	28,749	28,287	53	74	74.565	17.704,971	178.736,635	10,095	9,632
4	25	98.658	88.512,848	2.524.867,172	28,525	28,063	54	75	72.409	16.733,063	161.031,664	9,624	9,161
5	26	98.621	86.111,144	2.436.354,324	28,293	27,830	55	76	70.053	15.755,273	144.298,601	9,159	8,696
6	27	98.580	83.771,531	2.350.243,180	28,055	27,593	56	77	67.516	14.778,262	128.543,327	8,698	8,235
7	28	98.539	81.496,211	2.266.471,649	27,811	27,348	57	78	64.808	13.805,858	113.765,066	8,240	7,778
8	29	98.498	79.281,714	2.184.975,439	27,560	27,097	58	79	61.866	12.826,425	99.959,208	7,793	7,330
9	30	98.458	77.128,061	2.105.693,725	27,301	26,838	59	80	58.699	11.844,061	87.132,782	7,357	6,894
10	31	98.416	75.032,207	2.028.565,664	27,036	26,573	60	81	55.252	10.850,272	75.288,722	6,939	6,476
11	32	98.372	72.991,102	1.953.533,456	26,764	26,301	61	82	51.585	9.858,968	64.438,449	6,536	6,073
12	33	98.322	71.002,050	1.880.542,355	26,486	26,023	62	83	47.672	8.867,226	54.579,482	6,155	5,692
13	34	98.270	69.065,120	1.809.540,304	26,200	25,738	63	84	43.660	7.903,590	45.712,256	5,784	5,321
14	35	98.212	67.176,438	1.740.475,184	25,909	25,446	64	85	39.571	6.971,688	37.808,666	5,423	4,960
15	36	98.143	65.333,002	1.673.298,746	25,612	25,149	65	86	35.565	6.098,201	30.836,978	5,057	4,594
16	37	98.065	63.533,486	1.607.965,744	25,309	24,846	66	87	31.419	5.243,195	24.738,777	4,718	4,255
17	38	97.967	61.771,490	1.544.432,258	25,002	24,540	67	88	27.185	4.415,220	19.495,583	4,416	3,953
18	39	97.849	60.045,735	1.482.660,768	24,692	24,229	68	89	23.104	3.651,936	15.080,363	4,129	3,667
19	40	97.696	58.347,615	1.422.615,033	24,382	23,919	69	90	19.214	2.955,809	11.428,427	3,866	3,404
20	41	97.533	56.690,901	1.364.267,417	24,065	23,602	70	91	15.660	2.344,498	8.472,618	3,614	3,151
21	42	97.362	55.077,183	1.307.576,516	23,741	23,278	71	92	12.362	1.801,273	6.128,120	3,402	2,939
22	43	97.176	53.500,830	1.252.499,333	23,411	22,948	72	93	9.514	1.349,135	4.326,847	3,207	2,744
23	44	96.977	51.962,140	1.198.998,503	23,074	22,612	73	94	7.123	983,050	2.977,712	3,029	2,566
24	45	96.770	50.463,599	1.147.036,363	22,730	22,267	74	95	5.182	696,033	1.994,662	2,866	2,403
25	46	96.547	48.999,519	1.096.572,764	22,379	21,916	75	96	3.658	478,196	1.298,629	2,716	2,253
26	47	96.303	47.567,630	1.047.573,246	22,023	21,560	76	97	2.502	318,335	820,433	2,577	2,114
27	48	96.047	46.171,460	1.000.005,616	21,659	21,196	77	98	1.656	205,093	502,098	2,448	1,985
28	49	95.775	44.808,399	953.834,156	21,287	20,824	78	99	1.058	127,552	297,005	2,328	1,866
29	50	95.474	43.472,215	909.025,757	20,911	20,448	79	100	651	76,384	169,453	2,218	1,756
30	51	95.166	42.172,144	865.553,542	20,524	20,061	80	101	385	43,989	93,069	2,116	1,653
31	52	94.832	40.899,560	823.381,398	20,132	19,669	81	102	219	24,281	49,080	2,021	1,559
32	53	94.471	39.653,248	782.481,838	19,733	19,270	82	103	119	12,828	24,799	1,933	1,470
33	54	94.095	38.438,597	742.828,589	19,325	18,862	83	104	61	6,450	11,971	1,856	1,393
34	55	93.686	37.247,004	704.389,993	18,911	18,448	84	105	30	3,094	5,521	1,785	1,322
35	56	93.242	36.078,360	667.142,989	18,491	18,029	85	106					
36	57	92.770	34.935,194	631.064,628	18,064	17,601	86	107					
37	58	92.252	33.810,233	596.129,434	17,632	17,169	87	108					
38	59	91.697	32.707,314	562.319,201	17,192	16,730	88	109					
39	60	91.105	31.626,469	529.611,887	16,746	16,283	89	110					
40	61	90.464	30.563,418	497.985,418	16,294	15,831	90	111					
41	62	89.800	29.527,092	467.422,000	15,830	15,367	91	112					
42	63	89.065	28.501,744	437.894,908	15,364	14,901	92						
43	64	88.264	27.489,485	409.393,164	14,893	14,430	93						
44	65	87.402	26.492,366	381.903,680	14,416	13,953	94						
45	66	86.456	25.504,135	355.411,314	13,935	13,473	95						
46	67	85.409	24.521,058	329.907,180	13,454	12,991	96						
47	68	84.254	23.542,011	305.386,122	12,972	12,509	97						
48	69	82.978	22.564,985	281.844,110	12,490	12,028	98						
49	70	81.585	21.592,361	259.279,126	12,008	11,545	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -22 Jahre

Zinsfuß 2,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	22	99.268	99.268,313	2.887.281,733	29,086	28,623	50	72	78.766	20.288,452	225.318,163	11,106	10,643
1	23	98.789	96.144,689	2.788.013,420	28,998	28,535	51	73	76.963	19.293,378	205.029,712	10,627	10,164
2	24	98.723	93.509,268	2.691.868,730	28,787	28,324	52	74	75.004	18.299,180	185.736,334	10,150	9,687
3	25	98.676	90.963,545	2.598.359,462	28,565	28,102	53	75	72.867	17.301,975	167.437,154	9,677	9,215
4	26	98.634	88.491,068	2.507.395,917	28,335	27,872	54	76	70.532	16.299,216	150.135,179	9,211	8,748
5	27	98.593	86.087,037	2.418.904,850	28,098	27,636	55	77	68.025	15.299,184	133.835,963	8,748	8,285
6	28	98.551	83.747,117	2.332.817,813	27,855	27,393	56	78	65.319	14.297,488	118.536,779	8,291	7,828
7	29	98.510	81.472,021	2.249.070,696	27,605	27,143	57	79	62.406	13.294,184	104.239,291	7,841	7,378
8	30	98.469	79.258,507	2.167.598,676	27,348	26,886	58	80	59.264	12.286,867	90.945,107	7,402	6,939
9	31	98.425	77.102,808	2.088.340,168	27,085	26,622	59	81	55.839	11.267,085	78.658,240	6,981	6,518
10	32	98.381	75.005,405	2.011.237,360	26,815	26,352	60	82	52.172	10.245,436	67.391,155	6,578	6,115
11	33	98.337	72.965,148	1.936.231,955	26,536	26,074	61	83	48.251	9.221,840	57.145,720	6,197	5,734
12	34	98.283	70.973,680	1.863.266,807	26,253	25,790	62	84	44.256	8.231,819	47.923,879	5,822	5,359
13	35	98.224	69.032,741	1.792.293,127	25,963	25,500	63	85	40.151	7.268,445	39.692,060	5,461	4,998
14	36	98.161	67.142,047	1.723.260,386	25,666	25,203	64	86	36.135	6.366,374	32.423,615	5,093	4,630
15	37	98.088	65.296,059	1.656.118,340	25,363	24,900	65	87	31.979	5.483,414	26.057,241	4,752	4,289
16	38	98.004	63.494,526	1.590.822,281	25,054	24,592	66	88	27.716	4.625,139	20.573,827	4,448	3,985
17	39	97.898	61.728,280	1.527.327,755	24,743	24,280	67	89	23.610	3.834,499	15.948,688	4,159	3,696
18	40	97.770	59.997,683	1.465.599,474	24,428	23,965	68	90	19.679	3.110,628	12.114,189	3,894	3,432
19	41	97.611	58.296,854	1.405.601,791	24,111	23,648	69	91	16.073	2.472,647	9.003,560	3,641	3,178
20	42	97.436	56.634,863	1.347.304,938	23,789	23,326	70	92	12.725	1.905,139	6.530,914	3,428	2,965
21	43	97.253	55.015,239	1.290.670,074	23,460	22,997	71	93	9.823	1.431,310	4.625,775	3,232	2,769
22	44	97.050	53.431,385	1.235.654,835	23,126	22,663	72	94	7.383	1.046,941	3.194,465	3,051	2,588
23	45	96.842	51.889,809	1.182.223,450	22,783	22,321	73	95	5.391	744,031	2.147,524	2,886	2,424
24	46	96.617	50.383,563	1.130.333,642	22,435	21,972	74	96	3.820	513,132	1.403,493	2,735	2,272
25	47	96.373	48.911,516	1.079.950,079	22,080	21,617	75	97	2.623	342,945	890,361	2,596	2,133
26	48	96.116	47.475,128	1.031.038,562	21,717	21,255	76	98	1.743	221,798	547,416	2,468	2,005
27	49	95.843	46.073,579	983.563,435	21,348	20,885	77	99	1.120	138,649	325,618	2,349	1,886
28	50	95.544	44.700,558	937.489,856	20,973	20,510	78	100	693	83,556	186,969	2,238	1,775
29	51	95.233	43.362,377	892.789,298	20,589	20,126	79	101	413	48,423	103,413	2,136	1,673
30	52	94.901	42.055,022	849.426,921	20,198	19,735	80	102	236	26,952	54,990	2,040	1,577
31	53	94.545	40.775,913	807.371,899	19,800	19,337	81	103	129	14,360	28,038	1,952	1,490
32	54	94.172	39.528,042	766.595,987	19,394	18,931	82	104	68	7,313	13,678	1,870	1,407
33	55	93.768	38.304,898	727.067,945	18,981	18,518	83	105	34	3,540	6,364	1,798	1,335
34	56	93.331	37.105,955	688.763,047	18,562	18,099	84	106					
35	57	92.868	35.933,516	651.657,092	18,135	17,672	85	107					
36	58	92.356	34.779,275	615.723,576	17,704	17,241	86	108					
37	59	91.808	33.647,416	580.944,301	17,266	16,803	87	109					
38	60	91.231	32.541,037	547.296,886	16,819	16,356	88	110					
39	61	90.604	31.452,389	514.755,849	16,366	15,903	89	111					
40	62	89.955	30.391,427	483.303,460	15,903	15,440	90	112					
41	63	89.235	29.341,281	452.912,033	15,436	14,973	91						
42	64	88.459	28.307,880	423.570,752	14,963	14,500	92						
43	65	87.619	27.288,459	395.262,872	14,485	14,022	93						
44	66	86.688	26.275,993	367.974,413	14,004	13,541	94						
45	67	85.673	25.273,154	341.698,421	13,520	13,057	95						
46	68	84.541	24.271,802	316.425,266	13,037	12,574	96						
47	69	83.290	23.272,748	292.153,465	12,553	12,091	97						
48	70	81.919	22.277,096	268.880,717	12,070	11,607	98						
49	71	80.425	21.285,457	246.603,620	11,586	11,123	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -23 Jahre

Zinsfuß 2,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	23	99.241	99.241,437	2.869.042,067	28,910	28,447	50	73	77.346	19.922,669	212.752,936	10,679	10,216
1	24	98.763	96.119,604	2.769.800,630	28,816	28,353	51	74	75.395	18.900,326	192.830,267	10,202	9,740
2	25	98.696	93.483,864	2.673.681,026	28,600	28,138	52	75	73.297	17.882,659	173.929,941	9,726	9,263
3	26	98.652	90.941,162	2.580.197,162	28,372	27,909	53	76	70.978	16.853,378	156.047,282	9,259	8,796
4	27	98.606	88.466,294	2.489.256,000	28,138	27,675	54	77	68.490	15.827,381	139.193,904	8,795	8,332
5	28	98.564	86.061,948	2.400.789,706	27,896	27,433	55	78	65.812	14.801,463	123.366,523	8,335	7,872
6	29	98.522	83.722,259	2.314.727,758	27,648	27,185	56	79	62.899	13.767,593	108.565,060	7,886	7,423
7	30	98.481	81.448,173	2.231.005,499	27,392	26,929	57	80	59.781	12.734,949	94.797,468	7,444	6,981
8	31	98.437	79.232,557	2.149.557,326	27,130	26,667	58	81	56.377	11.688,320	82.062,519	7,021	6,558
9	32	98.390	77.075,267	2.070.324,769	26,861	26,398	59	82	52.727	10.639,014	70.374,199	6,615	6,152
10	33	98.346	74.978,735	1.993.249,503	26,584	26,121	60	83	48.801	9.583,334	59.735,185	6,233	5,770
11	34	98.297	72.935,993	1.918.270,768	26,301	25,838	61	84	44.794	8.561,023	50.151,852	5,858	5,395
12	35	98.237	70.940,406	1.845.334,775	26,012	25,550	62	85	40.699	7.570,298	41.590,829	5,494	5,031
13	36	98.174	68.997,399	1.774.394,369	25,717	25,254	63	86	36.665	6.637,365	34.020,532	5,126	4,663
14	37	98.106	67.104,081	1.705.396,970	25,414	24,951	64	87	32.492	5.724,551	27.383,166	4,783	4,321
15	38	98.028	65.256,018	1.638.292,889	25,106	24,643	65	88	28.210	4.837,042	21.658,615	4,478	4,015
16	39	97.936	63.450,110	1.573.036,871	24,792	24,329	66	89	24.070	4.016,808	16.821,573	4,188	3,725
17	40	97.820	61.678,882	1.509.586,761	24,475	24,012	67	90	20.110	3.266,131	12.804,765	3,920	3,458
18	41	97.685	59.945,486	1.447.907,879	24,154	23,691	68	91	16.463	2.602,159	9.538,633	3,666	3,203
19	42	97.515	58.239,228	1.387.962,393	23,832	23,369	69	92	13.061	2.009,273	6.936,474	3,452	2,989
20	43	97.327	56.571,167	1.329.723,165	23,505	23,042	70	93	10.111	1.513,843	4.927,201	3,255	2,792
21	44	97.126	54.943,829	1.273.151,997	23,172	22,709	71	94	7.623	1.110,709	3.413,359	3,073	2,610
22	45	96.915	53.357,008	1.218.208,169	22,831	22,368	72	95	5.588	792,388	2.302,650	2,906	2,443
23	46	96.689	51.807,511	1.164.851,161	22,484	22,021	73	96	3.974	548,517	1.510,262	2,753	2,291
24	47	96.443	50.293,075	1.113.043,650	22,131	21,668	74	97	2.740	368,000	961,745	2,613	2,151
25	48	96.186	48.816,401	1.062.750,575	21,770	21,308	75	98	1.828	238,945	593,745	2,485	2,022
26	49	95.912	47.374,483	1.013.934,174	21,403	20,940	76	99	1.179	149,942	354,800	2,366	1,903
27	50	95.613	45.962,693	966.559,691	21,029	20,566	77	100	734	90,825	204,858	2,256	1,793
28	51	95.303	44.587,616	920.596,998	20,647	20,184	78	101	440	52,970	114,033	2,153	1,690
29	52	94.968	43.241,949	876.009,382	20,258	19,796	79	102	253	29,669	61,063	2,058	1,595
30	53	94.615	41.927,881	832.767,433	19,862	19,399	80	103	140	15,940	31,394	1,970	1,507
31	54	94.247	40.647,161	790.839,552	19,456	18,993	81	104	74	8,187	15,454	1,888	1,425
32	55	93.845	39.390,554	750.192,391	19,045	18,582	82	105	37	4,014	7,268	1,811	1,348
33	56	93.413	38.159,843	710.801,838	18,627	18,164	83	106					
34	57	92.956	36.956,985	672.641,995	18,201	17,738	84	107					
35	58	92.453	35.773,142	635.685,010	17,770	17,307	85	108					
36	59	91.912	34.611,791	599.911,869	17,333	16,870	86	109					
37	60	91.341	33.476,360	565.300,078	16,887	16,424	87	110					
38	61	90.729	32.361,923	531.823,718	16,434	15,971	88	111					
39	62	90.094	31.275,395	499.461,795	15,970	15,507	89	112					
40	63	89.389	30.200,177	468.186,400	15,503	15,040	90						
41	64	88.628	29.141,706	437.986,223	15,030	14,567	91						
42	65	87.813	28.100,869	408.844,517	14,549	14,086	92						
43	66	86.903	27.065,584	380.743,648	14,067	13,605	93						
44	67	85.903	26.038,022	353.678,063	13,583	13,120	94						
45	68	84.802	25.016,253	327.640,042	13,097	12,634	95						
46	69	83.574	23.994,191	302.623,789	12,612	12,150	96						
47	70	82.228	22.975,830	278.629,598	12,127	11,664	97						
48	71	80.755	21.960,460	255.653,767	11,642	11,179	98						
49	72	79.121	20.940,371	233.693,307	11,160	10,697	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -24 Jahre

Zinsfuß 2,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	24	99.216	99.215,545	2.850.126,971	28,727	28,264	50	74	75.770	19.516,797	200.028,283	10,249	9,786
1	25	98.736	96.093,491	2.750.911,426	28,627	28,165	51	75	73.679	18.470,122	180.511,486	9,773	9,310
2	26	98.672	93.460,860	2.654.817,936	28,406	27,943	52	76	71.397	17.419,006	162.041,364	9,303	8,840
3	27	98.624	90.915,702	2.561.357,075	28,173	27,710	53	77	68.923	16.365,501	144.622,358	8,837	8,374
4	28	98.578	88.440,512	2.470.441,373	27,933	27,471	54	78	66.262	15.312,476	128.256,858	8,376	7,913
5	29	98.535	86.036,403	2.382.000,861	27,686	27,223	55	79	63.373	14.252,890	112.944,381	7,924	7,461
6	30	98.493	83.697,753	2.295.964,458	27,432	26,969	56	80	60.253	13.188,443	98.691,491	7,483	7,020
7	31	98.449	81.421,506	2.212.266,705	27,171	26,708	57	81	56.869	12.114,574	85.503,049	7,058	6,595
8	32	98.402	79.204,254	2.130.845,200	26,903	26,440	58	82	53.234	11.036,768	73.388,475	6,649	6,187
9	33	98.355	77.047,860	2.051.640,946	26,628	26,165	59	83	49.319	9.951,477	62.351,707	6,266	5,803
10	34	98.307	74.948,775	1.974.593,085	26,346	25,883	60	84	45.304	8.896,612	52.400,230	5,890	5,427
11	35	98.251	72.901,799	1.899.644,310	26,058	25,595	61	85	41.194	7.873,046	43.503,619	5,526	5,063
12	36	98.187	70.904,087	1.826.742,511	25,764	25,301	62	86	37.166	6.913,009	35.630,573	5,154	4,691
13	37	98.118	68.958,384	1.755.838,424	25,462	24,999	63	87	32.969	5.968,223	28.717,564	4,812	4,349
14	38	98.046	67.062,931	1.686.880,040	25,154	24,691	64	88	28.662	5.049,755	22.749,341	4,505	4,042
15	39	97.959	65.210,371	1.619.817,108	24,840	24,377	65	89	24.499	4.200,840	17.699,586	4,213	3,751
16	40	97.857	63.399,334	1.554.606,738	24,521	24,058	66	90	20.503	3.421,418	13.498,746	3,945	3,483
17	41	97.735	61.625,222	1.491.207,404	24,198	23,735	67	91	16.823	2.732,243	10.077,328	3,688	3,225
18	42	97.589	59.886,231	1.429.582,182	23,872	23,409	68	92	13.378	2.114,515	7.345,085	3,474	3,011
19	43	97.405	58.173,728	1.369.695,951	23,545	23,082	69	93	10.379	1.596,588	5.230,570	3,276	2,813
20	44	97.200	56.497,737	1.311.522,223	23,214	22,751	70	94	7.846	1.174,756	3.633,982	3,093	2,631
21	45	96.991	54.867,346	1.255.024,486	22,874	22,411	71	95	5.769	840,651	2.459,226	2,925	2,463
22	46	96.761	53.272,383	1.200.157,140	22,529	22,066	72	96	4.119	584,167	1.618,576	2,771	2,308
23	47	96.515	51.714,466	1.146.884,757	22,177	21,714	73	97	2.850	393,377	1.034,409	2,630	2,167
24	48	96.256	50.195,273	1.095.170,291	21,818	21,355	74	98	1.909	256,402	641,032	2,500	2,037
25	49	95.982	48.712,913	1.044.975,018	21,452	20,989	75	99	1.236	161,534	384,630	2,381	1,918
26	50	95.681	47.260,466	996.262,105	21,080	20,617	76	100	772	98,223	223,096	2,271	1,809
27	51	95.371	45.846,562	949.001,639	20,700	20,237	77	101	465	57,578	124,873	2,169	1,706
28	52	95.038	44.463,785	903.155,077	20,312	19,849	78	102	269	32,455	67,295	2,073	1,611
29	53	94.681	43.111,220	858.691,291	19,918	19,455	79	103	150	17,546	34,840	1,986	1,523
30	54	94.316	41.795,492	815.580,072	19,514	19,051	80	104	80	9,087	17,294	1,903	1,440
31	55	93.919	40.505,780	773.784,580	19,103	18,640	81	105	40	4,493	8,206	1,826	1,364
32	56	93.490	39.241,387	733.278,799	18,686	18,224	82	106					
33	57	93.038	38.006,642	694.037,412	18,261	17,798	83	107					
34	58	92.541	36.792,043	656.030,771	17,831	17,368	84	108					
35	59	92.008	35.600,871	619.238,728	17,394	16,931	85	109					
36	60	91.444	34.435,832	583.637,857	16,949	16,486	86	110					
37	61	90.838	33.292,097	549.202,025	16,496	16,034	87	111					
38	62	90.218	32.179,811	515.909,927	16,032	15,569	88	112					
39	63	89.527	31.078,582	483.730,116	15,565	15,102	89						
40	64	88.781	29.994,760	452.651,534	15,091	14,628	90						
41	65	87.980	28.928,599	422.656,774	14,610	14,148	91						
42	66	87.095	27.871,359	393.728,176	14,127	13,664	92						
43	67	86.116	26.820,462	365.856,817	13,641	13,178	93						
44	68	85.030	25.773,346	339.036,354	13,155	12,692	94						
45	69	83.832	24.730,128	313.263,009	12,667	12,204	95						
46	70	82.508	23.688,069	288.532,881	12,181	11,718	96						
47	71	81.059	22.649,262	264.844,812	11,693	11,230	97						
48	72	79.446	21.604,431	242.195,550	11,210	10,748	98						
49	73	77.695	20.562,835	220.591,118	10,728	10,265	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -25 Jahre

Zinsfuß 2,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	25	99.189	99.188,590	2.830.525,941	28,537	28,074	50	75	74.046	19.072,561	187.191,256	9,815	9,352
1	26	98.712	96.069,845	2.731.337,351	28,431	27,968	51	76	71.769	17.991,237	168.118,695	9,344	8,882
2	27	98.644	93.434,695	2.635.267,506	28,204	27,742	52	77	69.330	16.914,754	150.127,458	8,876	8,413
3	28	98.596	90.889,206	2.541.832,811	27,966	27,503	53	78	66.681	15.833,090	133.212,703	8,414	7,951
4	29	98.548	88.414,261	2.450.943,604	27,721	27,258	54	79	63.806	14.744,963	117.379,613	7,961	7,498
5	30	98.506	86.011,219	2.362.529,343	27,468	27,005	55	80	60.707	13.653,326	102.634,650	7,517	7,054
6	31	98.461	83.670,349	2.276.518,124	27,208	26,745	56	81	57.317	12.545,976	88.981,324	7,092	6,630
7	32	98.414	81.392,421	2.192.847,775	26,942	26,479	57	82	53.699	11.439,260	76.435,348	6,682	6,219
8	33	98.367	79.176,091	2.111.455,354	26,668	26,205	58	83	49.794	10.323,526	64.996,088	6,296	5,833
9	34	98.316	77.017,074	2.032.279,263	26,387	25,925	59	84	45.785	9.238,375	54.672,561	5,918	5,455
10	35	98.261	74.913,638	1.955.262,189	26,100	25,637	60	85	41.663	8.181,666	45.434,187	5,553	5,090
11	36	98.201	72.864,476	1.880.348,551	25,806	25,343	61	86	37.617	7.189,471	37.252,520	5,182	4,719
12	37	98.131	70.863,994	1.807.484,075	25,506	25,044	62	87	33.419	6.216,078	30.063,049	4,836	4,374
13	38	98.058	68.916,098	1.736.620,081	25,199	24,736	63	88	29.082	5.264,703	23.846,971	4,530	4,067
14	39	97.977	67.016,020	1.667.703,984	24,885	24,422	64	89	24.892	4.385,575	18.582,268	4,237	3,774
15	40	97.881	65.158,186	1.600.687,964	24,566	24,103	65	90	20.868	3.578,171	14.196,693	3,968	3,505
16	41	97.772	63.344,178	1.535.529,778	24,241	23,778	66	91	17.151	2.862,146	10.618,521	3,710	3,247
17	42	97.638	61.564,306	1.472.185,601	23,913	23,450	67	92	13.670	2.220,221	7.756,375	3,494	3,031
18	43	97.479	59.818,878	1.410.621,294	23,582	23,119	68	93	10.630	1.680,214	5.536,154	3,295	2,832
19	44	97.279	58.098,217	1.350.802,416	23,250	22,788	69	94	8.054	1.238,967	3.855,940	3,112	2,649
20	45	97.065	56.419,092	1.292.704,198	22,913	22,450	70	95	5.939	889,125	2.616,972	2,943	2,480
21	46	96.837	54.780,326	1.236.285,107	22,568	22,105	71	96	4.253	619,748	1.727,847	2,788	2,325
22	47	96.588	53.176,707	1.181.504,781	22,218	21,756	72	97	2.954	418,944	1.108,100	2,645	2,182
23	48	96.327	51.613,899	1.128.328,074	21,861	21,398	73	98	1.986	274,083	689,156	2,514	2,052
24	49	96.052	50.088,862	1.076.714,174	21,496	21,033	74	99	1.290	173,335	415,073	2,395	1,932
25	50	95.751	48.595,675	1.026.625,312	21,126	20,663	75	100	809	105,817	241,738	2,284	1,822
26	51	95.439	47.141,056	978.029,638	20,747	20,284	76	101	489	62,268	135,921	2,183	1,720
27	52	95.106	45.719,235	930.888,581	20,361	19,898	77	102	285	35,279	73,653	2,088	1,625
28	53	94.751	44.329,362	885.169,346	19,968	19,505	78	103	159	19,194	38,375	1,999	1,536
29	54	94.382	42.975,094	840.839,984	19,566	19,103	79	104	85	10,003	19,181	1,917	1,455
30	55	93.988	41.650,117	797.864,890	19,156	18,694	80	105	44	4,987	9,178	1,840	1,377
31	56	93.563	40.352,391	756.214,772	18,740	18,277	81	106					
32	57	93.114	39.083,844	715.862,382	18,316	17,853	82	107					
33	58	92.623	37.837,015	676.778,538	17,887	17,424	83	108					
34	59	92.096	36.614,866	638.941,523	17,450	16,988	84	109					
35	60	91.540	35.419,884	602.326,658	17,005	16,543	85	110					
36	61	90.941	34.246,289	566.906,773	16,554	16,091	86	111					
37	62	90.327	33.104,751	532.660,485	16,090	15,627	87	112					
38	63	89.650	31.977,307	499.555,734	15,622	15,159	88						
39	64	88.918	30.867,191	467.578,427	15,148	14,685	89						
40	65	88.131	29.775,414	436.711,236	14,667	14,204	90						
41	66	87.261	28.692,328	406.935,822	14,183	13,720	91						
42	67	86.307	27.618,940	378.243,495	13,695	13,232	92						
43	68	85.241	26.547,832	350.624,555	13,207	12,744	93						
44	69	84.057	25.478,561	324.076,722	12,720	12,257	94						
45	70	82.762	24.414,616	298.598,161	12,230	11,767	95						
46	71	81.335	23.351,378	274.183,545	11,742	11,279	96						
47	72	79.745	22.282,066	250.832,167	11,257	10,794	97						
48	73	78.013	21.214,922	228.550,101	10,773	10,310	98						
49	74	76.112	20.143,922	207.335,178	10,293	9,830	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 1 Jahr

Zinsfuß 2,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	49	91.859	23.660,840	421.042,558	17,795	17,332
1	0	99.544	96.879,581	3.040.428,363	31,384	30,921	51	50	91.184	22.858,326	397.381,718	17,385	16,922
2	1	99.126	93.890,750	2.943.548,782	31,351	30,888	52	51	90.482	22.075,373	374.523,393	16,966	16,503
3	2	99.070	91.326,742	2.849.658,032	31,203	30,740	53	52	89.702	21.299,226	352.448,020	16,547	16,085
4	3	99.033	88.848,690	2.758.331,290	31,045	30,582	54	53	88.868	20.536,604	331.148,793	16,125	15,662
5	4	99.002	86.444,308	2.669.482,600	30,881	30,418	55	54	87.986	19.788,569	310.612,189	15,697	15,234
6	5	98.976	84.108,328	2.583.038,292	30,711	30,248	56	55	87.024	19.048,301	290.823,620	15,268	14,805
7	6	98.952	81.837,014	2.498.929,964	30,535	30,073	57	56	86.015	18.323,659	271.775,319	14,832	14,369
8	7	98.930	79.629,556	2.417.092,950	30,354	29,891	58	57	84.929	17.607,961	253.451,660	14,394	13,931
9	8	98.910	77.482,388	2.337.463,394	30,168	29,705	59	58	83.744	16.897,634	235.843,699	13,957	13,494
10	9	98.891	75.394,355	2.259.981,006	29,975	29,513	60	59	82.465	16.194,163	218.946,065	13,520	13,057
11	10	98.875	73.364,866	2.184.586,651	29,777	29,314	61	60	81.122	15.504,081	202.751,902	13,077	12,615
12	11	98.853	71.385,010	2.111.221,785	29,575	29,112	62	61	79.706	14.825,834	187.247,821	12,630	12,167
13	12	98.831	69.458,875	2.039.836,775	29,368	28,905	63	62	78.190	14.154,576	172.421,986	12,181	11,719
14	13	98.809	67.585,373	1.970.377,899	29,154	28,691	64	63	76.575	13.491,235	158.267,410	11,731	11,268
15	14	98.782	65.758,012	1.902.792,526	28,936	28,473	65	64	74.854	12.835,039	144.776,175	11,280	10,817
16	15	98.747	63.975,513	1.837.034,514	28,715	28,252	66	65	73.005	12.183,008	131.941,137	10,830	10,367
17	16	98.691	62.228,305	1.773.059,001	28,493	28,030	67	66	71.024	11.535,077	119.758,129	10,382	9,919
18	17	98.620	60.519,312	1.710.830,695	28,269	27,806	68	67	68.873	10.886,388	108.223,052	9,941	9,478
19	18	98.524	58.841,949	1.650.311,384	28,047	27,584	69	68	66.561	10.239,408	97.336,663	9,506	9,043
20	19	98.416	57.204,524	1.591.469,435	27,821	27,358	70	69	64.105	9.597,690	87.097,255	9,075	8,612
21	20	98.314	55.615,754	1.534.264,912	27,587	27,124	71	70	61.483	8.958,661	77.499,565	8,651	8,188
22	21	98.206	54.067,731	1.478.649,157	27,348	26,885	72	71	58.700	8.324,304	68.540,904	8,234	7,771
23	22	98.108	52.568,124	1.424.581,426	27,100	26,637	73	72	55.716	7.689,578	60.216,599	7,831	7,368
24	23	98.009	51.109,429	1.372.013,302	26,845	26,382	74	73	52.589	7.063,828	52.527,021	7,436	6,973
25	24	97.912	49.692,477	1.320.903,873	26,582	26,119	75	74	49.330	6.448,788	45.463,193	7,050	6,587
26	25	97.814	48.314,003	1.271.211,396	26,311	25,849	76	75	45.979	5.849,759	39.014,405	6,669	6,207
27	26	97.720	46.975,738	1.222.897,393	26,033	25,570	77	76	42.552	5.268,939	33.164,646	6,294	5,832
28	27	97.623	45.672,994	1.175.921,655	25,747	25,284	78	77	39.059	4.706,918	27.895,708	5,927	5,464
29	28	97.522	44.404,985	1.130.248,661	25,453	24,990	79	78	35.494	4.162,883	23.188,789	5,570	5,108
30	29	97.425	43.173,315	1.085.843,677	25,151	24,688	80	79	31.903	3.641,511	19.025,907	5,225	4,762
31	30	97.325	41.974,839	1.042.670,361	24,840	24,378	81	80	28.289	3.142,656	15.384,396	4,895	4,433
32	31	97.217	40.805,800	1.000.695,523	24,523	24,061	82	81	24.702	2.670,663	12.241,740	4,584	4,121
33	32	97.102	39.666,964	959.889,722	24,199	23,736	83	82	21.136	2.223,927	9.571,077	4,304	3,841
34	33	96.983	38.557,738	920.222,758	23,866	23,403	84	83	17.755	1.818,243	7.347,150	4,041	3,578
35	34	96.851	37.474,958	881.665,020	23,527	23,064	85	84	14.665	1.461,635	5.528,907	3,783	3,320
36	35	96.705	36.416,730	844.190,062	23,181	22,719	86	85	11.920	1.156,180	4.067,272	3,518	3,055
37	36	96.546	35.383,941	807.773,332	22,829	22,366	87	86	9.443	891,425	2.911,092	3,266	2,803
38	37	96.375	34.375,871	772.389,391	22,469	22,006	88	87	7.216	662,953	2.019,668	3,046	2,584
39	38	96.183	33.389,248	738.013,520	22,103	21,641	89	88	5.312	474,958	1.356,715	2,856	2,394
40	39	95.968	32.422,837	704.624,272	21,732	21,270	90	89	3.784	329,269	881,757	2,678	2,215
41	40	95.726	31.475,520	672.201,435	21,356	20,894	91	90	2.598	220,000	552,488	2,511	2,048
42	41	95.461	30.548,317	640.725,915	20,974	20,511	92	91	1.711	141,015	332,488	2,358	1,895
43	42	95.156	29.635,826	610.177,598	20,589	20,126	93	92	1.071	85,881	191,473	2,229	1,767
44	43	94.814	28.738,894	580.541,772	20,201	19,738	94	93	640	49,967	105,591	2,113	1,650
45	44	94.436	27.858,480	551.802,879	19,807	19,345	95	94	365	27,703	55,624	2,008	1,545
46	45	94.015	26.991,823	523.944,398	19,411	18,948	96	95	197	14,600	27,921	1,912	1,450
47	46	93.547	26.138,727	496.952,576	19,012	18,549	97	96	101	7,296	13,320	1,826	1,363
48	47	93.029	25.298,287	470.813,849	18,611	18,148	98	97	49	3,448	6,025	1,747	1,285
49	48	92.469	24.473,004	445.515,562	18,204	17,742	99	98	23	1,537	2,577	1,676	1,213
							100	99	10	0,645	1,040	1,612	1,149

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 2 Jahre

Zinsfuß 2,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	48	92.054	23.711,106	425.122,169	17,929	17,466
1							51	49	91.404	22.913,472	401.411,063	17,519	17,056
2	0	99.504	94.248,606	2.948.808,272	31,288	30,825	52	50	90.711	22.131,291	378.497,591	17,102	16,640
3	1	99.106	91.359,462	2.854.559,666	31,245	30,783	53	51	89.952	21.358,544	356.366,300	16,685	16,222
4	2	99.052	88.866,260	2.763.200,204	31,094	30,631	54	52	89.138	20.598,879	335.007,756	16,263	15,801
5	3	99.019	86.459,148	2.674.333,944	30,932	30,469	55	53	88.265	19.851,250	314.408,877	15,838	15,375
6	4	98.989	84.119,193	2.587.874,796	30,764	30,302	56	54	87.328	19.114,787	294.557,627	15,410	14,947
7	5	98.964	81.847,713	2.503.755,603	30,590	30,128	57	55	86.342	18.393,311	275.442,840	14,975	14,512
8	6	98.939	79.636,894	2.421.907,890	30,412	29,949	58	56	85.271	17.678,937	257.049,529	14,540	14,077
9	7	98.918	77.489,137	2.342.270,996	30,227	29,764	59	57	84.119	16.973,388	239.370,592	14,103	13,640
10	8	98.901	75.401,593	2.264.781,859	30,036	29,573	60	58	82.864	16.272,526	222.397,204	13,667	13,204
11	9	98.882	73.369,607	2.189.380,266	29,840	29,378	61	59	81.536	15.583,303	206.124,678	13,227	12,764
12	10	98.861	71.391,014	2.116.010,659	29,640	29,177	62	60	80.147	14.907,891	190.541,375	12,781	12,318
13	11	98.840	69.465,390	2.044.619,646	29,434	28,971	63	61	78.633	14.234,680	175.633,484	12,338	11,876
14	12	98.818	67.591,114	1.975.154,256	29,222	28,759	64	62	77.060	13.576,671	161.398,804	11,888	11,425
15	13	98.791	65.764,384	1.907.563,142	29,006	28,543	65	63	75.367	12.922,938	147.822,133	11,439	10,976
16	14	98.758	63.982,969	1.841.798,758	28,786	28,323	66	64	73.543	12.272,756	134.899,194	10,992	10,529
17	15	98.709	62.239,426	1.777.815,789	28,564	28,101	67	65	71.609	11.630,064	122.626,438	10,544	10,081
18	16	98.641	60.532,131	1.715.576,364	28,342	27,879	68	66	69.502	10.985,883	110.996,374	10,104	9,641
19	17	98.546	58.854,898	1.655.044,233	28,121	27,658	69	67	67.245	10.344,561	100.010,491	9,668	9,205
20	18	98.445	57.220,980	1.596.189,335	27,895	27,432	70	68	64.847	9.708,734	89.665,930	9,236	8,773
21	19	98.341	55.631,176	1.538.968,355	27,664	27,201	71	69	62.277	9.074,435	79.957,196	8,811	8,348
22	20	98.237	54.084,814	1.483.337,179	27,426	26,963	72	70	59.547	8.444,328	70.882,761	8,394	7,931
23	21	98.132	52.580,989	1.429.252,365	27,182	26,719	73	71	56.634	7.816,298	62.438,433	7,988	7,525
24	22	98.035	51.123,270	1.376.671,376	26,928	26,466	74	72	53.555	7.193,520	54.622,135	7,593	7,130
25	23	97.938	49.705,445	1.325.548,106	26,668	26,205	75	73	50.356	6.582,897	47.428,614	7,205	6,742
26	24	97.840	48.327,132	1.275.842,661	26,400	25,937	76	74	47.050	5.986,011	40.845,717	6,824	6,361
27	25	97.744	46.987,300	1.227.515,528	26,124	25,662	77	75	43.685	5.409,185	34.859,706	6,445	5,982
28	26	97.650	45.685,784	1.180.528,229	25,840	25,377	78	76	40.223	4.847,238	29.450,521	6,076	5,613
29	27	97.551	44.417,930	1.134.842,445	25,549	25,086	79	77	36.688	4.302,866	24.603,283	5,718	5,255
30	28	97.454	43.186,134	1.090.424,515	25,249	24,787	80	78	33.131	3.781,667	20.300,417	5,368	4,905
31	29	97.354	41.987,129	1.047.238,381	24,942	24,479	81	79	29.532	3.280,660	16.518,750	5,035	4,572
32	30	97.248	40.819,165	1.005.251,252	24,627	24,164	82	80	25.967	2.807,425	13.238,089	4,715	4,253
33	31	97.137	39.681,139	964.432,087	24,305	23,842	83	81	22.383	2.355,216	10.430,665	4,429	3,966
34	32	97.017	38.571,453	924.750,949	23,975	23,512	84	82	18.982	1.943,864	8.075,448	4,154	3,692
35	33	96.890	37.489,939	886.179,496	23,638	23,175	85	83	15.797	1.574,457	6.131,585	3,894	3,432
36	34	96.750	36.433,811	848.689,557	23,294	22,831	86	84	12.961	1.257,211	4.557,128	3,625	3,162
37	35	96.595	35.402,065	812.255,746	22,944	22,481	87	85	10.341	976,181	3.299,916	3,380	2,918
38	36	96.429	34.395,320	776.853,681	22,586	22,123	88	86	8.025	737,281	2.323,735	3,152	2,689
39	37	96.242	33.409,735	742.458,361	22,223	21,760	89	87	6.022	538,426	1.586,454	2,946	2,484
40	38	96.035	32.445,533	709.048,626	21,854	21,391	90	88	4.357	379,136	1.048,028	2,764	2,301
41	39	95.802	31.500,729	676.603,092	21,479	21,016	91	89	3.050	258,284	668,892	2,590	2,127
42	40	95.544	30.574,916	645.102,363	21,099	20,636	92	90	2.045	168,570	410,608	2,436	1,973
43	41	95.250	29.665,149	614.527,447	20,715	20,253	93	91	1.317	105,687	242,038	2,290	1,827
44	42	94.920	28.771,252	584.862,298	20,328	19,865	94	92	805	62,883	136,350	2,168	1,706
45	43	94.559	27.894,688	556.091,045	19,935	19,473	95	93	470	35,700	73,468	2,058	1,595
46	44	94.146	27.029,448	528.196,357	19,542	19,079	96	94	261	19,290	37,768	1,958	1,495
47	45	93.696	26.180,249	501.166,909	19,143	18,680	97	95	137	9,896	18,478	1,867	1,404
48	46	93.197	25.343,804	474.986,661	18,742	18,279	98	96	69	4,808	8,582	1,785	1,322
49	47	92.649	24.520,688	449.642,857	18,337	17,874	99	97	32	2,206	3,774	1,710	1,248
							100	98	14	0,954	1,568	1,643	1,180

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 3 Jahre

Zinsfuß 2,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	47	92.234	23.757,305	428.902,112	18,053	17,591
1							51	48	91.598	22.962,150	405.144,807	17,644	17,181
2							52	49	90.930	22.184,683	382.182,657	17,227	16,764
3	0	99.484	91.707,670	2.859.440,257	31,180	30,717	53	50	90.179	21.412,646	359.997,974	16,812	16,350
4	1	99.088	88.898,098	2.767.732,586	31,134	30,671	54	51	89.386	20.656,246	338.585,328	16,391	15,929
5	2	99.039	86.476,246	2.678.834,488	30,978	30,515	55	52	88.533	19.911,447	317.929,082	15,967	15,504
6	3	99.006	84.133,634	2.592.358,243	30,812	30,350	56	53	87.604	19.175,334	298.017,635	15,542	15,079
7	4	98.977	81.858,286	2.508.224,609	30,641	30,178	57	54	86.644	18.457,511	278.842,301	15,107	14,644
8	5	98.952	79.647,306	2.426.366,323	30,464	30,001	58	55	85.595	17.746,139	260.384,790	14,673	14,210
9	6	98.928	77.496,277	2.346.719,018	30,282	29,819	59	56	84.459	17.041,806	242.638,651	14,238	13,775
10	7	98.909	75.408,161	2.269.222,740	30,093	29,630	60	57	83.235	16.345,477	225.596,845	13,802	13,339
11	8	98.891	73.376,650	2.193.814,580	29,898	29,435	61	58	81.931	15.658,710	209.251,368	13,363	12,900
12	9	98.868	71.395,627	2.120.437,929	29,700	29,237	62	59	80.557	14.984,067	193.592,658	12,920	12,457
13	10	98.848	69.471,232	2.049.042,302	29,495	29,032	63	60	79.068	14.313,465	178.608,591	12,478	12,016
14	11	98.827	67.597,453	1.979.571,070	29,285	28,822	64	61	77.496	13.653,504	164.295,126	12,033	11,570
15	12	98.800	65.769,970	1.911.973,617	29,071	28,608	65	62	75.844	13.004,776	150.641,622	11,584	11,121
16	13	98.768	63.989,169	1.846.203,648	28,852	28,389	66	63	74.047	12.356,805	137.636,846	11,139	10,676
17	14	98.720	62.246,679	1.782.214,479	28,631	28,169	67	64	72.136	11.715,739	125.280,041	10,693	10,230
18	15	98.659	60.542,948	1.719.967,800	28,409	27,946	68	65	70.075	11.076,348	113.564,301	10,253	9,790
19	16	98.567	58.867,364	1.659.424,852	28,189	27,726	69	66	67.859	10.439,103	102.487,954	9,818	9,355
20	17	98.466	57.233,572	1.600.557,488	27,965	27,503	70	67	65.513	9.808,437	92.048,851	9,385	8,922
21	18	98.370	55.647,179	1.543.323,915	27,734	27,271	71	68	62.998	9.179,425	82.240,414	8,959	8,496
22	19	98.264	54.099,811	1.487.676,736	27,499	27,036	72	69	60.316	8.553,455	73.060,989	8,542	8,079
23	20	98.163	52.597,602	1.433.576,925	27,256	26,793	73	70	57.450	7.928,997	64.507,534	8,136	7,673
24	21	98.059	51.135,782	1.380.979,322	27,006	26,543	74	71	54.437	7.312,066	56.578,537	7,738	7,275
25	22	97.964	49.718,906	1.329.843,541	26,747	26,284	75	72	51.281	6.703,760	49.266,471	7,349	6,886
26	23	97.866	48.339,745	1.280.124,635	26,482	26,019	76	73	48.028	6.110,496	42.562,711	6,966	6,503
27	24	97.771	47.000,068	1.231.784,890	26,208	25,745	77	74	44.703	5.535,175	36.452,215	6,586	6,123
28	25	97.674	45.697,029	1.184.784,822	25,927	25,464	78	75	41.294	4.976,260	30.917,040	6,213	5,750
29	26	97.578	44.430,368	1.139.087,793	25,638	25,175	79	76	37.782	4.431,140	25.940,779	5,854	5,391
30	27	97.482	43.198,723	1.094.657,425	25,340	24,877	80	77	34.245	3.908,831	21.509,639	5,503	5,040
31	28	97.383	41.999,595	1.051.458,701	25,035	24,572	81	78	30.668	3.406,928	17.600,808	5,166	4,703
32	29	97.277	40.831,117	1.009.459,106	24,723	24,260	82	79	27.107	2.930,708	14.193,880	4,843	4,380
33	30	97.169	39.694,135	968.627,990	24,402	23,939	83	80	23.529	2.475,824	11.263,171	4,549	4,086
34	31	97.052	38.585,236	928.933,854	24,075	23,612	84	81	20.102	2.058,619	8.787,347	4,269	3,806
35	32	96.924	37.503,274	890.348,618	23,741	23,278	85	82	16.889	1.683,235	6.728,728	3,997	3,535
36	33	96.789	36.448,375	852.845,345	23,399	22,936	86	83	13.962	1.354,254	5.045,493	3,726	3,263
37	34	96.641	35.418,670	816.396,969	23,050	22,587	87	84	11.244	1.061,484	3.691,239	3,477	3,015
38	35	96.479	34.412,938	780.978,300	22,694	22,231	88	85	8.788	807,382	2.629,755	3,257	2,794
39	36	96.296	33.428,637	746.565,361	22,333	21,870	89	86	6.697	598,794	1.822,373	3,043	2,581
40	37	96.094	32.465,442	713.136,724	21,966	21,503	90	87	4.939	429,800	1.223,580	2,847	2,384
41	38	95.869	31.522,780	680.671,282	21,593	21,130	91	88	3.511	297,400	793,780	2,669	2,206
42	39	95.620	30.599,404	649.148,503	21,214	20,752	92	89	2.401	197,904	496,380	2,508	2,045
43	40	95.333	29.690,980	618.549,099	20,833	20,370	93	90	1.575	126,339	298,476	2,362	1,900
44	41	95.014	28.799,720	588.858,119	20,447	19,984	94	91	991	77,384	172,137	2,224	1,762
45	42	94.666	27.926,096	560.058,398	20,055	19,592	95	92	591	44,927	94,752	2,109	1,646
46	43	94.268	27.064,578	532.132,303	19,662	19,199	96	93	336	24,858	49,825	2,004	1,542
47	44	93.826	26.216,743	505.067,724	19,265	18,802	97	94	182	13,075	24,966	1,909	1,447
48	45	93.345	25.384,063	478.850,982	18,864	18,401	98	95	93	6,521	11,891	1,823	1,361
49	46	92.816	24.564,806	453.466,919	18,460	17,997	99	96	45	3,077	5,370	1,745	1,283
							100	97	21	1,369	2,293	1,675	1,212

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 4 Jahre

Zinsfuß 2,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	46	92.399	23.800,050	432.398,941	18,168	17,705
1							51	47	91.776	23.006,890	408.598,892	17,760	17,297
2							52	48	91.123	22.231,813	385.592,001	17,344	16,881
3							53	49	90.397	21.464,305	363.360,188	16,929	16,466
4	0	99.465	89.236,925	2.772.256,549	31,066	30,603	54	50	89.613	20.708,569	341.895,884	16,510	16,047
5	1	99.074	86.507,228	2.683.019,624	31,015	30,552	55	51	88.779	19.966,900	321.187,314	16,086	15,623
6	2	99.025	84.150,271	2.596.512,397	30,856	30,393	56	52	87.870	19.233,481	301.220,415	15,661	15,198
7	3	98.994	81.872,339	2.512.362,125	30,686	30,224	57	53	86.918	18.515,976	281.986,934	15,229	14,767
8	4	98.965	79.657,594	2.430.489,787	30,512	30,049	58	54	85.894	17.808,080	263.470,958	14,795	14,332
9	5	98.940	77.506,409	2.350.832,193	30,331	29,868	59	55	84.780	17.106,586	245.662,879	14,361	13,898
10	6	98.918	75.415,110	2.273.325,783	30,144	29,681	60	56	83.571	16.411,364	228.556,292	13,927	13,464
11	7	98.900	73.383,041	2.197.910,674	29,951	29,488	61	57	82.298	15.728,909	212.144,928	13,488	13,025
12	8	98.877	71.402,481	2.124.527,633	29,754	29,291	62	58	80.947	15.056,574	196.416,019	13,045	12,582
13	9	98.855	69.475,721	2.053.125,151	29,552	29,089	63	59	79.472	14.386,603	181.359,445	12,606	12,143
14	10	98.835	67.603,138	1.983.649,430	29,343	28,880	64	60	77.925	13.729,073	166.972,842	12,162	11,699
15	11	98.809	65.776,138	1.916.046,292	29,130	28,667	65	61	76.273	13.078,373	153.243,769	11,717	11,255
16	12	98.776	63.994,604	1.850.270,154	28,913	28,450	66	62	74.516	12.435,058	140.165,397	11,272	10,809
17	13	98.730	62.252,711	1.786.275,550	28,694	28,231	67	63	72.630	11.795,973	127.730,339	10,828	10,365
18	14	98.670	60.550,003	1.724.022,840	28,473	28,010	68	64	70.591	11.157,944	115.934,365	10,390	9,927
19	15	98.584	58.877,884	1.663.472,836	28,253	27,790	69	65	68.418	10.525,065	104.776,422	9,955	9,492
20	16	98.487	57.245,696	1.604.594,952	28,030	27,567	70	66	66.112	9.898,080	94.251,356	9,522	9,059
21	17	98.391	55.659,426	1.547.349,257	27,800	27,337	71	67	63.645	9.273,692	84.353,277	9,096	8,633
22	18	98.293	54.115,374	1.491.689,831	27,565	27,102	72	68	61.014	8.652,417	75.079,585	8,677	8,214
23	19	98.190	52.612,187	1.437.574,457	27,324	26,861	73	69	58.193	8.031,464	66.427,167	8,271	7,808
24	20	98.090	51.151,938	1.384.962,270	27,075	26,613	74	70	55.222	7.417,495	58.395,703	7,873	7,410
25	21	97.988	49.731,074	1.333.810,332	26,820	26,358	75	71	52.126	6.814,234	50.978,209	7,481	7,018
26	22	97.893	48.352,836	1.284.079,258	26,556	26,094	76	72	48.910	6.222,685	44.163,974	7,097	6,634
27	23	97.796	47.012,334	1.235.726,422	26,285	25,822	77	73	45.632	5.650,285	37.941,289	6,715	6,252
28	24	97.701	45.709,447	1.188.714,088	26,006	25,543	78	74	42.256	5.092,167	32.291,004	6,341	5,878
29	25	97.602	44.441,304	1.143.004,641	25,719	25,257	79	75	38.787	4.549,087	27.198,837	5,979	5,516
30	26	97.510	43.210,821	1.098.563,337	25,423	24,961	80	76	35.266	4.025,359	22.649,751	5,627	5,164
31	27	97.411	42.011,839	1.055.352,517	25,120	24,658	81	77	31.700	3.521,491	18.624,392	5,289	4,826
32	28	97.306	40.843,240	1.013.340,678	24,810	24,348	82	78	28.150	3.043,507	15.102,900	4,962	4,500
33	29	97.197	39.705,757	972.497,438	24,493	24,030	83	79	24.563	2.584,546	12.059,393	4,666	4,203
34	30	97.084	38.597,874	932.791,681	24,167	23,704	84	80	21.132	2.164,039	9.474,847	4,378	3,915
35	31	96.959	37.516,675	894.193,807	23,835	23,372	85	81	17.886	1.782,604	7.310,808	4,101	3,638
36	32	96.823	36.461,340	856.677,132	23,495	23,033	86	82	14.926	1.447,818	5.528,204	3,818	3,355
37	33	96.679	35.432,828	820.215,792	23,148	22,686	87	83	12.112	1.143,419	4.080,386	3,569	3,106
38	34	96.524	34.429,079	784.782,964	22,794	22,331	88	84	9.556	877,934	2.936,967	3,345	2,882
39	35	96.346	33.445,760	750.353,885	22,435	21,972	89	85	7.333	655,727	2.059,033	3,140	2,677
40	36	96.148	32.483,810	716.908,125	22,070	21,607	90	86	5.493	477,988	1.403,306	2,936	2,473
41	37	95.928	31.542,122	684.424,315	21,699	21,236	91	87	3.981	337,142	925,319	2,745	2,282
42	38	95.687	30.620,824	652.882,193	21,322	20,859	92	88	2.765	227,876	588,177	2,581	2,118
43	39	95.409	29.714,760	622.261,369	20,941	20,478	93	89	1.849	148,324	360,301	2,429	1,966
44	40	95.097	28.824,797	592.546,610	20,557	20,094	94	90	1.185	92,506	211,977	2,291	1,829
45	41	94.759	27.953,728	563.721,812	20,166	19,703	95	91	728	55,288	119,471	2,161	1,698
46	42	94.374	27.095,051	535.768,085	19,774	19,311	96	92	423	31,284	64,182	2,052	1,589
47	43	93.948	26.250,817	508.673,033	19,377	18,915	97	93	234	16,849	32,899	1,953	1,490
48	44	93.475	25.419,447	482.422,217	18,978	18,516	98	94	123	8,616	16,050	1,863	1,400
49	45	92.963	24.603,828	457.002,770	18,574	18,112	99	95	61	4,173	7,433	1,781	1,318
							100	96	29	1,910	3,260	1,707	1,244

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 5 Jahre

Zinsfuß 2,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	45	92.546	23.837,857	435.627,677	18,275	17,812
1							51	46	91.942	23.048,285	411.789,821	17,866	17,404
2							52	47	91.301	22.275,130	388.741,536	17,452	16,989
3							53	48	90.589	21.509,904	366.466,405	17,037	16,574
4							54	49	89.829	20.758,529	344.956,501	16,618	16,155
5	0	99.452	86.836,942	2.687.209,029	30,945	30,483	55	50	89.004	20.017,476	324.197,972	16,196	15,733
6	1	99.061	84.180,420	2.600.372,087	30,890	30,428	56	51	88.115	19.287,045	304.180,496	15,771	15,308
7	2	99.014	81.888,529	2.516.191,667	30,727	30,264	57	52	87.182	18.572,123	284.893,450	15,340	14,877
8	3	98.982	79.671,269	2.434.303,138	30,554	30,092	58	53	86.166	17.864,488	266.321,327	14,908	14,445
9	4	98.953	77.516,421	2.354.631,869	30,376	29,913	59	54	85.076	17.166,295	248.456,839	14,474	14,011
10	5	98.931	75.424,969	2.277.115,448	30,190	29,728	60	55	83.888	16.473,748	231.290,545	14,040	13,577
11	6	98.909	73.389,804	2.201.690,478	30,000	29,537	61	56	82.630	15.792,311	214.816,796	13,603	13,140
12	7	98.886	71.408,700	2.128.300,675	29,805	29,342	62	57	81.310	15.124,074	199.024,486	13,159	12,697
13	8	98.864	69.482,391	2.056.891,975	29,603	29,140	63	58	79.856	14.456,219	183.900,412	12,721	12,258
14	9	98.842	67.607,506	1.987.409,584	29,396	28,933	64	59	78.323	13.799,225	169.444,193	12,279	11,816
15	10	98.817	65.781,670	1.919.802,077	29,184	28,722	65	60	76.695	13.150,758	155.644,968	11,835	11,373
16	11	98.786	64.000,606	1.854.020,407	28,969	28,506	66	61	74.938	12.505,430	142.494,210	11,395	10,932
17	12	98.738	62.257,998	1.790.019,802	28,752	28,289	67	62	73.090	11.870,674	129.988,780	10,950	10,488
18	13	98.680	60.555,871	1.727.761,804	28,532	28,069	68	63	71.074	11.234,358	118.118,105	10,514	10,051
19	14	98.596	58.884,746	1.667.205,933	28,313	27,850	69	64	68.922	10.602,600	106.883,748	10,081	9,618
20	15	98.505	57.255,926	1.608.321,187	28,090	27,627	70	65	66.656	9.979,587	96.281,147	9,648	9,185
21	16	98.412	55.671,215	1.551.065,262	27,861	27,398	71	66	64.226	9.358,448	86.301,561	9,222	8,759
22	17	98.314	54.127,283	1.495.394,046	27,627	27,165	72	67	61.641	8.741,272	76.943,113	8,802	8,339
23	18	98.219	52.627,322	1.441.266,763	27,386	26,923	73	68	58.866	8.124,387	68.201,841	8,395	7,932
24	19	98.117	51.166,122	1.388.639,441	27,140	26,677	74	69	55.936	7.513,351	60.077,453	7,996	7,533
25	20	98.019	49.746,787	1.337.473,319	26,886	26,423	75	70	52.878	6.912,485	52.564,102	7,604	7,141
26	21	97.916	48.364,669	1.287.726,533	26,625	26,163	76	71	49.716	6.325,232	45.651,617	7,217	6,755
27	22	97.823	47.025,066	1.239.361,864	26,355	25,893	77	72	46.470	5.754,025	39.326,385	6,835	6,372
28	23	97.726	45.721,376	1.192.336,798	26,078	25,616	78	73	43.134	5.198,063	33.572,360	6,459	5,996
29	24	97.629	44.453,381	1.146.615,422	25,794	25,331	79	74	39.691	4.655,043	28.374,297	6,095	5,633
30	25	97.534	43.221,456	1.102.162,041	25,500	25,038	80	75	36.204	4.132,505	23.719,253	5,740	5,277
31	26	97.438	42.023,604	1.058.940,585	25,199	24,736	81	76	32.645	3.626,472	19.586,749	5,401	4,938
32	27	97.334	40.855,146	1.016.916,981	24,891	24,428	82	77	29.097	3.145,850	15.960,277	5,073	4,611
33	28	97.226	39.717,546	976.061,835	24,575	24,112	83	78	25.508	2.684,022	12.814,428	4,774	4,312
34	29	97.112	38.609,175	936.344,289	24,252	23,789	84	79	22.060	2.259,069	10.130,406	4,484	4,022
35	30	96.991	37.528,963	897.735,114	23,921	23,458	85	80	18.802	1.873,889	7.871,337	4,201	3,738
36	31	96.858	36.474,369	860.206,151	23,584	23,121	86	81	15.807	1.533,290	5.997,447	3,911	3,449
37	32	96.714	35.445,432	823.731,782	23,239	22,777	87	82	12.949	1.222,416	4.464,158	3,652	3,189
38	33	96.563	34.442,842	788.286,351	22,887	22,424	88	83	10.293	945,701	3.241,741	3,428	2,965
39	34	96.391	33.461,448	753.843,509	22,529	22,066	89	84	7.974	713,027	2.296,040	3,220	2,757
40	35	96.197	32.500,449	720.382,061	22,165	21,702	90	85	6.015	523,435	1.583,014	3,024	2,561
41	36	95.982	31.559,968	687.881,612	21,796	21,333	91	86	4.427	374,941	1.059,579	2,826	2,363
42	37	95.746	30.639,612	656.321,645	21,421	20,958	92	87	3.134	258,327	684,638	2,650	2,187
43	38	95.476	29.735,560	625.682,033	21,042	20,579	93	88	2.129	170,787	426,311	2,496	2,033
44	39	95.173	28.847,883	595.946,472	20,658	20,195	94	89	1.391	108,603	255,523	2,353	1,890
45	40	94.842	27.978,068	567.098,589	20,269	19,807	95	90	870	66,092	146,920	2,223	1,760
46	41	94.468	27.121,861	539.120,521	19,878	19,415	96	91	521	38,498	80,828	2,100	1,637
47	42	94.054	26.280,373	511.998,660	19,482	19,019	97	92	295	21,204	42,330	1,996	1,533
48	43	93.596	25.452,485	485.718,287	19,083	18,621	98	93	159	11,103	21,125	1,903	1,440
49	44	93.093	24.638,125	460.265,802	18,681	18,218	99	94	81	5,514	10,022	1,818	1,355
							100	95	39	2,590	4,508	1,740	1,278

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 6 Jahre

Zinsfuß 2,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	44	92.675	23.871,085	438.603,549	18,374	17,911
1							51	45	92.088	23.084,898	414.732,463	17,966	17,503
2							52	46	91.465	22.315,208	391.647,565	17,551	17,088
3							53	47	90.766	21.551,815	369.332,357	17,137	16,674
4							54	48	90.020	20.802,629	347.780,542	16,718	16,255
5							55	49	89.219	20.065,769	326.977,913	16,295	15,832
6	0	99.438	84.501,266	2.604.248,632	30,819	30,356	56	50	88.338	19.335,900	306.912,144	15,873	15,410
7	1	99.049	81.917,867	2.519.747,366	30,759	30,297	57	51	87.425	18.623,846	287.576,244	15,441	14,978
8	2	99.002	79.687,025	2.437.829,499	30,593	30,130	58	52	86.427	17.918,659	268.952,398	15,010	14,547
9	3	98.970	77.529,729	2.358.142,474	30,416	29,953	59	53	85.345	17.220,670	251.033,738	14,577	14,115
10	4	98.944	75.434,712	2.280.612,746	30,233	29,770	60	54	84.181	16.531,248	233.813,069	14,144	13,681
11	5	98.922	73.399,399	2.205.178,033	30,044	29,581	61	55	82.944	15.852,341	217.281,821	13,707	13,244
12	6	98.895	71.415,281	2.131.778,635	29,850	29,388	62	56	81.637	15.185,038	201.429,479	13,265	12,802
13	7	98.873	69.488,443	2.060.363,354	29,650	29,188	63	57	80.214	14.521,028	186.244,442	12,826	12,363
14	8	98.851	67.613,997	1.990.874,911	29,445	28,982	64	58	78.702	13.865,998	171.723,414	12,384	11,922
15	9	98.824	65.785,921	1.923.260,915	29,235	28,772	65	59	77.087	13.217,955	157.857,416	11,943	11,480
16	10	98.794	64.005,988	1.857.474,994	29,020	28,558	66	60	75.352	12.574,644	144.639,461	11,502	11,040
17	11	98.748	62.263,837	1.793.469,006	28,804	28,342	67	61	73.504	11.937,853	132.064,817	11,063	10,600
18	12	98.688	60.561,014	1.731.205,169	28,586	28,123	68	62	71.524	11.305,502	120.126,964	10,626	10,163
19	13	98.605	58.890,452	1.670.644,155	28,369	27,906	69	63	69.394	10.675,211	108.821,461	10,194	9,731
20	14	98.516	57.262,598	1.611.753,703	28,147	27,684	70	64	67.147	10.053,103	98.146,250	9,763	9,300
21	15	98.430	55.681,164	1.554.491,105	27,918	27,455	71	65	64.755	9.435,511	88.093,147	9,336	8,874
22	16	98.335	54.138,749	1.498.809,941	27,685	27,222	72	66	62.204	8.821,162	78.657,636	8,917	8,454
23	17	98.240	52.638,904	1.444.671,193	27,445	26,982	73	67	59.470	8.207,820	69.836,474	8,509	8,046
24	18	98.146	51.180,841	1.392.032,289	27,198	26,735	74	68	56.583	7.600,280	61.628,654	8,109	7,646
25	19	98.046	49.760,581	1.340.851,448	26,946	26,483	75	69	53.561	7.001,816	54.028,374	7,716	7,254
26	20	97.947	48.379,950	1.291.090,867	26,686	26,224	76	70	50.433	6.416,432	47.026,559	7,329	6,866
27	21	97.846	47.036,574	1.242.710,917	26,420	25,957	77	71	47.236	5.848,848	40.610,127	6,943	6,480
28	22	97.753	45.733,758	1.195.674,343	26,144	25,681	78	72	43.926	5.293,500	34.761,279	6,567	6,104
29	23	97.654	44.464,982	1.149.940,585	25,862	25,399	79	73	40.516	4.751,850	29.467,778	6,201	5,739
30	24	97.560	43.233,202	1.105.475,603	25,570	25,107	80	74	37.048	4.228,758	24.715,929	5,845	5,382
31	25	97.462	42.033,947	1.062.242,401	25,271	24,808	81	75	33.514	3.723,000	20.487,170	5,503	5,040
32	26	97.361	40.866,587	1.020.208,455	24,964	24,502	82	76	29.964	3.239,632	16.764,170	5,175	4,712
33	27	97.254	39.729,125	979.341,867	24,650	24,188	83	77	26.366	2.774,276	13.524,539	4,875	4,412
34	28	97.141	38.620,638	939.612,743	24,329	23,866	84	78	22.909	2.346,017	10.750,263	4,582	4,120
35	29	97.019	37.539,951	900.992,105	24,001	23,538	85	79	19.627	1.956,178	8.404,245	4,296	3,833
36	30	96.889	36.486,315	863.452,154	23,665	23,202	86	80	16.617	1.611,808	6.448,067	4,001	3,538
37	31	96.748	35.458,097	826.965,838	23,322	22,860	87	81	13.714	1.294,581	4.836,259	3,736	3,273
38	32	96.597	34.455,093	791.507,741	22,972	22,509	88	82	11.004	1.011,038	3.541,678	3,503	3,040
39	33	96.429	33.474,823	757.052,648	22,616	22,153	89	83	8.590	768,065	2.530,639	3,295	2,832
40	34	96.242	32.515,693	723.577,824	22,253	21,790	90	84	6.540	569,175	1.762,575	3,097	2,634
41	35	96.032	31.576,133	691.062,131	21,886	21,423	91	85	4.848	410,591	1.193,400	2,907	2,444
42	36	95.800	30.656,948	659.485,998	21,512	21,049	92	86	3.485	287,290	782,810	2,725	2,262
43	37	95.535	29.753,806	628.829,051	21,134	20,672	93	87	2.413	193,610	495,520	2,559	2,097
44	38	95.240	28.868,077	599.075,245	20,752	20,289	94	88	1.602	125,051	301,910	2,414	1,951
45	39	94.918	28.000,476	570.207,168	20,364	19,901	95	89	1.021	77,593	176,859	2,279	1,816
46	40	94.550	27.145,477	542.206,693	19,974	19,511	96	90	622	46,021	99,266	2,157	1,694
47	41	94.147	26.306,377	515.061,215	19,579	19,117	97	91	363	26,094	53,245	2,040	1,578
48	42	93.702	25.481,143	488.754,838	19,181	18,718	98	92	199	13,974	27,151	1,943	1,480
49	43	93.214	24.670,147	463.273,695	18,779	18,316	99	93	104	7,105	13,177	1,855	1,392
							100	94	52	3,422	6,072	1,774	1,311

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 7 Jahre

Zinsfuß 2,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	43	92.796	23.902,111	441.343,831	18,465	18,002
1							51	44	92.216	23.117,077	417.441,720	18,058	17,595
2							52	45	91.611	22.350,656	394.324,643	17,643	17,180
3							53	46	90.929	21.590,591	371.973,987	17,229	16,766
4							54	47	90.195	20.843,162	350.383,396	16,810	16,348
5							55	48	89.408	20.108,397	329.540,234	16,388	15,925
6							56	49	88.551	19.382,549	309.431,836	15,964	15,502
7	0	99.427	82.230,090	2.523.332,239	30,686	30,223	57	50	87.646	18.671,021	290.049,288	15,535	15,072
8	1	99.037	79.715,574	2.441.102,149	30,623	30,160	58	51	86.668	17.968,562	271.378,267	15,103	14,640
9	2	98.990	77.545,060	2.361.386,575	30,452	29,989	59	52	85.604	17.272,889	253.409,704	14,671	14,208
10	3	98.961	75.447,663	2.283.841,515	30,271	29,808	60	53	84.448	16.583,611	236.136,815	14,239	13,776
11	4	98.935	73.408,880	2.208.393,852	30,083	29,621	61	54	83.234	15.907,622	219.553,204	13,802	13,339
12	5	98.908	71.424,618	2.134.984,973	29,891	29,429	62	55	81.948	15.242,760	203.645,532	13,360	12,897
13	6	98.882	69.494,846	2.063.560,355	29,694	29,231	63	56	80.538	14.579,560	188.402,772	12,922	12,460
14	7	98.860	67.619,886	1.994.065,509	29,489	29,027	64	57	79.055	13.928,161	173.823,212	12,480	12,017
15	8	98.833	65.792,236	1.926.445,623	29,281	28,818	65	58	77.460	13.281,916	159.895,051	12,039	11,576
16	9	98.800	64.010,124	1.860.653,387	29,068	28,605	66	59	75.737	12.638,898	146.613,135	11,600	11,137
17	10	98.756	62.269,073	1.796.643,263	28,853	28,390	67	60	73.910	12.003,926	133.974,237	11,161	10,698
18	11	98.698	60.566,694	1.734.374,189	28,636	28,173	68	61	71.929	11.369,482	121.970,312	10,728	10,265
19	12	98.614	58.895,453	1.673.807,495	28,420	27,957	69	62	69.834	10.742,815	110.600,829	10,295	9,833
20	13	98.526	57.268,147	1.614.912,042	28,199	27,736	70	63	67.607	10.121,951	99.858,015	9,865	9,403
21	14	98.441	55.687,653	1.557.643,895	27,971	27,508	71	64	65.232	9.505,019	89.736,064	9,441	8,978
22	15	98.353	54.148,423	1.501.956,242	27,738	27,275	72	65	62.716	8.893,801	80.231,044	9,021	8,558
23	16	98.261	52.650,054	1.447.807,819	27,499	27,036	73	66	60.014	8.282,834	71.337,243	8,613	8,150
24	17	98.167	51.192,104	1.395.157,765	27,253	26,791	74	67	57.164	7.678,330	63.054,409	8,212	7,749
25	18	98.075	49.774,896	1.343.965,661	27,001	26,538	75	68	54.181	7.082,826	55.376,079	7,818	7,356
26	19	97.975	48.393,365	1.294.190,766	26,743	26,280	76	69	51.085	6.499,352	48.293,253	7,430	6,968
27	20	97.877	47.051,436	1.245.797,401	26,477	26,015	77	70	47.917	5.933,180	41.793,901	7,044	6,581
28	21	97.776	45.744,950	1.198.745,965	26,205	25,742	78	71	44.650	5.380,734	35.860,722	6,665	6,202
29	22	97.681	44.477,024	1.153.001,014	25,924	25,461	79	72	41.260	4.839,094	30.479,987	6,299	5,836
30	23	97.586	43.244,484	1.108.523,991	25,634	25,171	80	73	37.818	4.316,700	25.640,893	5,940	5,477
31	24	97.489	42.045,369	1.065.279,506	25,336	24,874	81	74	34.294	3.809,715	21.324,193	5,597	5,134
32	25	97.385	40.876,646	1.023.234,137	25,032	24,569	82	75	30.762	3.325,863	17.514,478	5,266	4,803
33	26	97.282	39.740,250	982.357,491	24,719	24,257	83	76	27.152	2.856,981	14.188,615	4,966	4,503
34	27	97.169	38.631,897	942.617,241	24,400	23,937	84	77	23.679	2.424,906	11.331,634	4,673	4,210
35	28	97.048	37.551,097	903.985,344	24,073	23,611	85	78	20.383	2.031,469	8.906,728	4,384	3,922
36	29	96.918	36.496,998	866.434,247	23,740	23,277	86	79	17.347	1.682,588	6.875,260	4,086	3,623
37	30	96.780	35.469,711	829.937,249	23,398	22,936	87	80	14.416	1.360,875	5.192,671	3,816	3,353
38	31	96.631	34.467,405	794.467,538	23,050	22,587	88	81	11.654	1.070,725	3.831,796	3,579	3,116
39	32	96.464	33.486,730	760.000,133	22,696	22,233	89	82	9.183	821,129	2.761,071	3,363	2,900
40	33	96.281	32.528,690	726.513,402	22,335	21,872	90	83	7.045	613,109	1.939,942	3,164	2,701
41	34	96.077	31.590,944	693.984,712	21,968	21,505	91	84	5.272	446,470	1.326,833	2,972	2,509
42	35	95.849	30.672,651	662.393,768	21,596	21,133	92	85	3.817	314,606	880,364	2,798	2,335
43	36	95.589	29.770,640	631.721,117	21,220	20,757	93	86	2.684	215,317	565,758	2,628	2,165
44	37	95.298	28.885,790	601.950,478	20,839	20,376	94	87	1.816	141,761	350,442	2,472	2,009
45	38	94.984	28.020,076	573.064,688	20,452	19,989	95	88	1.176	89,344	208,680	2,336	1,873
46	39	94.626	27.167,218	545.044,612	20,063	19,600	96	89	731	54,029	119,336	2,209	1,746
47	40	94.229	26.329,283	517.877,394	19,669	19,206	97	90	433	31,193	65,306	2,094	1,631
48	41	93.794	25.506,356	491.548,111	19,272	18,809	98	91	245	17,196	34,113	1,984	1,521
49	42	93.319	24.697,924	466.041,755	18,870	18,407	99	92	131	8,942	16,917	1,892	1,429
							100	93	66	4,410	7,975	1,808	1,345

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 8 Jahre

Zinsfuß 2,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	42	92.900	23.929,023	443.863,323	18,549	18,086
1							51	43	92.336	23.147,122	419.934,300	18,142	17,679
2							52	44	91.738	22.381,812	396.787,178	17,728	17,265
3							53	45	91.073	21.624,889	374.405,366	17,314	16,851
4							54	46	90.357	20.880,663	352.780,477	16,895	16,432
5							55	47	89.583	20.147,577	331.899,814	16,473	16,011
6							56	48	88.739	19.423,726	311.752,237	16,050	15,587
7							57	49	87.858	18.716,065	292.328,511	15,619	15,156
8	0	99.415	80.019,403	2.444.415,854	30,548	30,085	58	50	86.888	18.014,077	273.612,446	15,189	14,726
9	1	99.025	77.572,842	2.364.396,452	30,480	30,017	59	51	85.842	17.320,994	255.598,368	14,757	14,294
10	2	98.981	75.462,583	2.286.823,609	30,304	29,841	60	52	84.704	16.633,899	238.277,375	14,325	13,862
11	3	98.952	73.421,482	2.211.361,027	30,119	29,656	61	53	83.497	15.958,060	221.643,476	13,889	13,426
12	4	98.920	71.433,844	2.137.939,545	29,929	29,466	62	54	82.234	15.295,963	205.685,415	13,447	12,984
13	5	98.895	69.503,932	2.066.505,701	29,732	29,269	63	55	80.844	14.634,981	190.389,452	13,009	12,546
14	6	98.869	67.626,117	1.997.001,769	29,530	29,067	64	56	79.374	13.984,304	175.754,471	12,568	12,105
15	7	98.842	65.797,967	1.929.375,652	29,323	28,860	65	57	77.808	13.341,460	161.770,167	12,125	11,663
16	8	98.810	64.016,269	1.863.577,685	29,111	28,648	66	58	76.104	12.700,057	148.428,708	11,687	11,224
17	9	98.762	62.273,097	1.799.561,416	28,898	28,435	67	59	74.288	12.065,263	135.728,651	11,250	10,787
18	10	98.706	60.571,788	1.737.288,319	28,681	28,219	68	60	72.327	11.432,409	123.663,388	10,817	10,354
19	11	98.623	58.900,977	1.676.716,531	28,467	28,004	69	61	70.229	10.803,610	112.230,979	10,388	9,925
20	12	98.534	57.273,011	1.617.815,554	28,247	27,785	70	62	68.035	10.186,051	101.427,369	9,957	9,495
21	13	98.451	55.693,049	1.560.542,543	28,020	27,558	71	63	65.679	9.570,114	91.241,318	9,534	9,071
22	14	98.364	54.154,734	1.504.849,494	27,788	27,325	72	64	63.178	8.959,319	81.671,204	9,116	8,653
23	15	98.279	52.659,462	1.450.694,760	27,549	27,086	73	65	60.508	8.351,040	72.711,886	8,707	8,244
24	16	98.188	51.202,948	1.398.035,298	27,304	26,841	74	66	57.686	7.748,505	64.360,845	8,306	7,843
25	17	98.096	49.785,849	1.346.832,350	27,053	26,590	75	67	54.737	7.155,562	56.612,340	7,912	7,449
26	18	98.003	48.407,287	1.297.046,501	26,794	26,332	76	68	51.676	6.574,549	49.456,778	7,522	7,060
27	19	97.905	47.064,482	1.248.639,214	26,530	26,068	77	69	48.536	6.009,854	42.882,229	7,135	6,672
28	20	97.807	45.759,404	1.201.574,732	26,259	25,796	78	70	45.294	5.458,316	36.872,375	6,755	6,292
29	21	97.705	44.487,909	1.155.815,328	25,980	25,518	79	71	41.940	4.918,840	31.414,059	6,386	5,924
30	22	97.612	43.256,196	1.111.327,420	25,692	25,229	80	72	38.512	4.395,955	26.495,219	6,027	5,564
31	23	97.514	42.056,342	1.068.071,224	25,396	24,933	81	73	35.007	3.888,942	22.099,264	5,683	5,220
32	24	97.412	40.887,754	1.026.014,882	25,093	24,631	82	74	31.478	3.403,329	18.210,322	5,351	4,888
33	25	97.306	39.750,031	985.127,128	24,783	24,320	83	75	27.875	2.933,027	14.806,993	5,048	4,586
34	26	97.196	38.642,715	945.377,097	24,465	24,002	84	76	24.385	2.497,195	11.873,966	4,755	4,292
35	27	97.076	37.562,044	906.734,381	24,140	23,677	85	77	21.068	2.099,780	9.376,770	4,466	4,003
36	28	96.946	36.507,834	869.172,338	23,808	23,345	86	78	18.014	1.747,349	7.276,991	4,165	3,702
37	29	96.808	35.480,096	832.664,503	23,468	23,006	87	79	15.049	1.420,636	5.529,642	3,892	3,430
38	30	96.663	34.478,694	797.184,407	23,121	22,658	88	80	12.251	1.125,555	4.109,006	3,651	3,188
39	31	96.498	33.498,697	762.705,713	22,768	22,305	89	81	9.725	869,604	2.983,451	3,431	2,968
40	32	96.315	32.540,261	729.207,016	22,409	21,947	90	82	7.532	655,468	2.113,846	3,225	2,762
41	33	96.115	31.603,572	696.666,755	22,044	21,581	91	83	5.678	480,932	1.458,379	3,032	2,570
42	34	95.894	30.687,037	665.063,183	21,672	21,210	92	84	4.150	342,097	977,446	2,857	2,394
43	35	95.638	29.785,889	634.376,146	21,298	20,835	93	85	2.939	235,789	635,349	2,695	2,232
44	36	95.352	28.902,133	604.590,257	20,919	20,456	94	86	2.019	157,655	399,560	2,534	2,072
45	37	95.043	28.037,269	575.688,124	20,533	20,070	95	87	1.333	101,284	241,905	2,388	1,926
46	38	94.692	27.186,235	547.650,855	20,144	19,682	96	88	841	62,212	140,621	2,260	1,798
47	39	94.305	26.350,370	520.464,620	19,752	19,289	97	89	509	36,622	78,410	2,141	1,678
48	40	93.876	25.528,565	494.114,250	19,355	18,893	98	90	293	20,556	41,788	2,033	1,570
49	41	93.411	24.722,362	468.585,685	18,954	18,491	99	91	161	11,004	21,232	1,929	1,467
							100	92	84	5,550	10,228	1,843	1,380

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 9 Jahre

Zinsfuß 2,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	41	92.992	23.952,700	446.177,068	18,627	18,165
1							51	42	92.440	23.173,184	422.224,368	18,220	17,758
2							52	43	91.857	22.410,902	399.051,183	17,806	17,343
3							53	44	91.200	21.655,033	376.640,282	17,393	16,930
4							54	45	90.501	20.913,833	354.985,249	16,974	16,511
5							55	46	89.744	20.183,827	334.071,416	16,551	16,089
6							56	47	88.912	19.461,571	313.887,589	16,129	15,666
7							57	48	88.044	18.755,827	294.426,018	15,698	15,235
8							58	49	87.097	18.057,537	275.670,191	15,266	14,803
9	0	99.403	77.868,504	2.367.458,695	30,403	29,940	59	50	86.060	17.364,868	257.612,654	14,835	14,372
10	1	99.016	75.489,618	2.289.590,191	30,330	29,867	60	51	84.940	16.680,224	240.247,786	14,403	13,940
11	2	98.971	73.436,002	2.214.100,573	30,150	29,687	61	52	83.750	16.006,451	223.567,562	13,967	13,505
12	3	98.937	71.446,107	2.140.664,571	29,962	29,499	62	53	82.494	15.344,413	207.561,111	13,527	13,064
13	4	98.908	69.512,910	2.069.218,464	29,767	29,305	63	54	81.126	14.686,063	192.216,697	13,088	12,626
14	5	98.882	67.634,959	1.999.705,554	29,566	29,103	64	55	79.676	14.037,462	177.530,635	12,647	12,184
15	6	98.851	65.804,030	1.932.070,596	29,361	28,898	65	56	78.121	13.395,238	163.493,173	12,205	11,742
16	7	98.818	64.021,845	1.866.266,565	29,150	28,688	66	57	76.445	12.756,992	150.097,935	11,766	11,303
17	8	98.772	62.279,075	1.802.244,720	28,938	28,475	67	58	74.648	12.123,646	137.340,943	11,328	10,866
18	9	98.712	60.575,702	1.739.965,645	28,724	28,261	68	59	72.697	11.490,826	125.217,297	10,897	10,434
19	10	98.631	58.905,931	1.679.389,943	28,510	28,047	69	60	70.617	10.863,405	113.726,471	10,469	10,006
20	11	98.543	57.278,382	1.620.484,012	28,291	27,829	70	61	68.420	10.243,696	102.863,066	10,042	9,579
21	12	98.459	55.697,779	1.563.205,630	28,066	27,603	71	62	66.095	9.630,719	92.619,370	9,617	9,154
22	13	98.374	54.159,981	1.507.507,851	27,834	27,372	72	63	63.611	9.020,676	82.988,651	9,200	8,737
23	14	98.290	52.665,599	1.453.347,870	27,596	27,133	73	64	60.954	8.412,560	73.967,975	8,793	8,330
24	15	98.206	51.212,098	1.400.682,271	27,351	26,888	74	65	58.161	7.812,311	65.555,416	8,391	7,928
25	16	98.117	49.796,395	1.349.470,173	27,100	26,637	75	66	55.237	7.220,959	57.743,105	7,997	7,534
26	17	98.024	48.417,940	1.299.673,778	26,843	26,380	76	67	52.206	6.642,065	50.522,145	7,606	7,144
27	18	97.933	47.078,022	1.251.255,838	26,578	26,116	77	68	49.098	6.079,388	43.880,080	7,218	6,755
28	19	97.834	45.772,092	1.204.177,817	26,308	25,845	78	69	45.879	5.528,854	37.800,692	6,837	6,374
29	20	97.735	44.501,965	1.158.405,725	26,030	25,568	79	70	42.545	4.989,762	32.271,838	6,468	6,005
30	21	97.636	43.266,782	1.113.903,760	25,745	25,282	80	71	39.147	4.468,398	27.282,076	6,106	5,643
31	22	97.541	42.067,732	1.070.636,978	25,450	24,987	81	72	35.650	3.960,344	22.813,678	5,761	5,298
32	23	97.437	40.898,425	1.028.569,246	25,149	24,687	82	73	32.133	3.474,104	18.853,334	5,427	4,964
33	24	97.332	39.760,834	987.670,822	24,840	24,377	83	74	28.524	3.001,343	15.379,230	5,124	4,661
34	25	97.220	38.652,226	947.909,988	24,524	24,061	84	75	25.034	2.563,665	12.377,887	4,828	4,365
35	26	97.104	37.572,563	909.257,762	24,200	23,737	85	76	21.696	2.162,377	9.814,222	4,539	4,076
36	27	96.975	36.518,477	871.685,199	23,870	23,407	86	77	18.620	1.806,106	7.651,845	4,237	3,774
37	28	96.837	35.490,631	835.166,722	23,532	23,069	87	78	15.628	1.475,314	5.845,739	3,962	3,500
38	29	96.691	34.488,789	799.676,092	23,187	22,724	88	79	12.789	1.174,982	4.370,425	3,720	3,257
39	30	96.530	33.509,668	765.187,302	22,835	22,372	89	80	10.223	914,136	3.195,443	3,496	3,033
40	31	96.349	32.551,889	731.677,634	22,477	22,014	90	81	7.977	694,163	2.281,307	3,286	2,824
41	32	96.149	31.614,813	699.125,745	22,114	21,651	91	82	6.071	514,159	1.587,144	3,087	2,624
42	33	95.932	30.699,304	667.510,932	21,744	21,281	92	83	4.471	368,503	1.072,984	2,912	2,449
43	34	95.683	29.799,860	636.811,628	21,370	20,907	93	84	3.196	256,393	704,481	2,748	2,285
44	35	95.401	28.916,937	607.011,768	20,992	20,529	94	85	2.211	172,645	448,088	2,595	2,133
45	36	95.096	28.053,132	578.094,831	20,607	20,144	95	86	1.482	112,639	275,443	2,445	1,983
46	37	94.750	27.202,916	550.041,699	20,220	19,757	96	87	954	70,525	162,804	2,308	1,846
47	38	94.371	26.368,815	522.838,783	19,828	19,365	97	88	586	42,168	92,278	2,188	1,726
48	39	93.951	25.549,011	496.469,967	19,432	18,969	98	89	345	24,133	50,111	2,076	1,614
49	40	93.493	24.743,888	470.920,956	19,032	18,569	99	90	193	13,155	25,977	1,975	1,512
							100	91	103	6,830	12,823	1,877	1,415

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 10 Jahre

Zinsfuß 2,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	40	93.073	23.973,557	448.299,740	18,700	18,237
1							51	41	92.531	23.196,113	424.326,183	18,293	17,830
2							52	42	91.961	22.436,135	401.130,070	17,879	17,416
3							53	43	91.319	21.683,178	378.693,934	17,465	17,002
4							54	44	90.627	20.942,986	357.010,757	17,047	16,584
5							55	45	89.886	20.215,890	336.067,771	16,624	16,161
6							56	46	89.072	19.496,587	315.851,881	16,200	15,738
7							57	47	88.216	18.792,371	296.355,295	15,770	15,307
8							58	48	87.282	18.095,899	277.562,923	15,338	14,876
9							59	49	86.267	17.406,762	259.467,025	14,906	14,443
10	0	99.393	75.777,340	2.292.419,766	30,252	29,789	60	50	85.155	16.722,475	242.060,263	14,475	14,012
11	1	99.007	73.462,311	2.216.642,426	30,174	29,711	61	51	83.984	16.051,029	225.337,787	14,039	13,576
12	2	98.957	71.460,236	2.143.180,115	29,991	29,528	62	52	82.744	15.390,943	209.286,759	13,598	13,135
13	3	98.924	69.524,844	2.071.719,879	29,798	29,335	63	53	81.383	14.732,581	193.895,815	13,161	12,698
14	4	98.895	67.643,695	2.002.195,035	29,599	29,136	64	54	79.954	14.086,458	179.163,234	12,719	12,256
15	5	98.864	65.812,633	1.934.551,340	29,395	28,932	65	55	78.418	13.446,157	165.076,776	12,277	11,814
16	6	98.827	64.027,745	1.868.738,707	29,186	28,724	66	56	76.753	12.808,414	151.630,619	11,838	11,376
17	7	98.780	62.284,500	1.804.710,962	28,975	28,512	67	57	74.982	12.177,997	138.822,205	11,399	10,937
18	8	98.722	60.581,517	1.742.426,462	28,762	28,299	68	58	73.049	11.546,429	126.644,208	10,968	10,505
19	9	98.637	58.909,737	1.681.844,945	28,550	28,087	69	59	70.978	10.918,915	115.097,778	10,541	10,078
20	10	98.552	57.283,199	1.622.935,208	28,332	27,869	70	60	68.799	10.300,392	104.178,864	10,114	9,651
21	11	98.468	55.703,003	1.565.652,008	28,107	27,644	71	61	66.469	9.685,221	93.878,472	9,693	9,230
22	12	98.382	54.164,581	1.509.949,005	27,877	27,414	72	62	64.014	9.077,802	84.193,251	9,275	8,812
23	13	98.299	52.670,702	1.455.784,424	27,639	27,177	73	63	61.371	8.470,172	75.115,449	8,868	8,405
24	14	98.217	51.218,066	1.403.113,722	27,395	26,932	74	64	58.590	7.869,862	66.645,277	8,468	8,006
25	15	98.134	49.805,294	1.351.895,656	27,144	26,681	75	65	55.692	7.280,421	58.775,415	8,073	7,610
26	16	98.045	48.428,195	1.302.090,362	26,887	26,424	76	66	52.683	6.702,769	51.494,994	7,683	7,220
27	17	97.954	47.088,382	1.253.662,167	26,624	26,161	77	67	49.602	6.141,819	44.792,224	7,293	6,830
28	18	97.863	45.785,259	1.206.573,784	26,353	25,890	78	68	46.410	5.592,823	38.650,405	6,911	6,448
29	19	97.763	44.514,304	1.160.788,525	26,077	25,614	79	69	43.094	5.054,245	33.057,582	6,541	6,078
30	20	97.667	43.280,452	1.116.274,221	25,792	25,329	80	70	39.711	4.532,825	28.003,337	6,178	5,715
31	21	97.565	42.078,027	1.072.993,769	25,500	25,037	81	71	36.238	4.025,608	23.470,512	5,830	5,367
32	22	97.464	40.909,501	1.030.915,742	25,200	24,737	82	72	32.723	3.537,889	19.444,904	5,496	5,033
33	23	97.357	39.771,210	990.006,241	24,893	24,430	83	73	29.117	3.063,759	15.907,015	5,192	4,729
34	24	97.247	38.662,730	950.235,031	24,578	24,115	84	74	25.617	2.623,377	12.843,256	4,896	4,433
35	25	97.127	37.581,810	911.572,301	24,256	23,793	85	75	22.274	2.219,934	10.219,878	4,604	4,141
36	26	97.002	36.528,704	873.990,491	23,926	23,463	86	76	19.175	1.859,948	7.999,944	4,301	3,838
37	27	96.865	35.500,977	837.461,787	23,590	23,127	87	77	16.154	1.524,924	6.139,996	4,026	3,564
38	28	96.720	34.499,030	801.960,810	23,246	22,783	88	78	13.281	1.220,206	4.615,072	3,782	3,319
39	29	96.558	33.519,480	767.461,781	22,896	22,433	89	79	10.672	954,279	3.394,866	3,558	3,095
40	30	96.381	32.562,550	733.942,301	22,539	22,077	90	80	8.385	729,710	2.440,587	3,345	2,882
41	31	96.184	31.626,110	701.379,751	22,177	21,714	91	81	6.429	544,513	1.710,877	3,142	2,679
42	32	95.967	30.710,224	669.753,641	21,809	21,346	92	82	4.780	393,963	1.166,364	2,961	2,498
43	33	95.721	29.811,772	639.043,417	21,436	20,973	93	83	3.443	276,184	772,401	2,797	2,334
44	34	95.446	28.930,500	609.231,645	21,058	20,596	94	84	2.405	187,732	496,218	2,643	2,180
45	35	95.145	28.067,501	580.301,145	20,675	20,212	95	85	1.623	123,349	308,486	2,501	2,038
46	36	94.804	27.218,307	552.233,643	20,289	19,826	96	86	1.061	78,432	185,137	2,360	1,898
47	37	94.428	26.384,995	525.015,336	19,898	19,435	97	87	664	47,803	106,705	2,232	1,769
48	38	94.017	25.566,895	498.630,341	19,503	19,040	98	88	397	27,788	58,902	2,120	1,657
49	39	93.568	24.763,706	473.063,446	19,103	18,640	99	89	227	15,444	31,114	2,015	1,552
							100	90	123	8,165	15,670	1,919	1,456

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 11 Jahre

Zinsfuß 2,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	39	93.148	23.992,757	450.246,303	18,766	18,303
1							51	40	92.612	23.216,311	426.253,546	18,360	17,897
2							52	41	92.052	22.458,335	403.037,235	17,946	17,483
3							53	42	91.422	21.707,592	380.578,900	17,532	17,069
4							54	43	90.745	20.970,205	358.871,309	17,113	16,651
5							55	44	90.012	20.244,070	337.901,103	16,691	16,229
6							56	45	89.213	19.527,558	317.657,034	16,267	15,804
7							57	46	88.374	18.826,183	298.129,476	15,836	15,373
8							58	47	87.452	18.131,158	279.303,293	15,405	14,942
9							59	48	86.451	17.443,741	261.172,136	14,972	14,509
10							60	49	85.360	16.762,819	243.728,394	14,540	14,077
11	0	99.384	73.742,306	2.219.257,124	30,095	29,632	61	50	84.196	16.091,687	226.965,576	14,105	13,642
12	1	98.992	71.485,838	2.145.514,817	30,013	29,550	62	51	82.975	15.433,807	210.873,889	13,663	13,200
13	2	98.944	69.538,592	2.074.028,980	29,826	29,363	63	52	81.630	14.777,256	195.440,082	13,226	12,763
14	3	98.912	67.655,308	2.004.490,387	29,628	29,165	64	53	80.207	14.131,077	180.662,826	12,785	12,322
15	4	98.876	65.821,134	1.936.835,079	29,426	28,963	65	54	78.692	13.493,089	166.531,749	12,342	11,879
16	5	98.840	64.036,116	1.871.013,945	29,218	28,755	66	55	77.045	12.857,102	153.038,660	11,903	11,440
17	6	98.790	62.290,240	1.806.977,829	29,009	28,546	67	56	75.285	12.227,085	140.181,557	11,465	11,002
18	7	98.730	60.586,794	1.744.687,589	28,796	28,334	68	57	73.376	11.598,193	127.954,472	11,032	10,569
19	8	98.647	58.915,393	1.684.100,796	28,585	28,122	69	58	71.322	10.971,751	116.356,279	10,605	10,142
20	9	98.558	57.286,901	1.625.185,403	28,369	27,906	70	59	69.151	10.353,024	105.384,528	10,179	9,716
21	10	98.477	55.707,688	1.567.898,502	28,145	27,682	71	60	66.837	9.738,826	95.031,504	9,758	9,295
22	11	98.391	54.169,661	1.512.190,814	27,916	27,453	72	61	64.376	9.129,175	85.292,678	9,343	8,880
23	12	98.308	52.675,176	1.458.021,153	27,679	27,217	73	62	61.760	8.523,812	76.163,503	8,935	8,473
24	13	98.227	51.223,029	1.405.345,977	27,436	26,973	74	63	58.991	7.923,758	67.639,692	8,536	8,073
25	14	98.146	49.811,098	1.354.122,948	27,185	26,722	75	64	56.102	7.334,054	59.715,934	8,142	7,679
26	15	98.063	48.436,850	1.304.311,850	26,928	26,465	76	65	53.117	6.757,964	52.381,880	7,751	7,288
27	16	97.975	47.098,356	1.255.875,001	26,665	26,202	77	66	50.055	6.197,952	45.623,915	7,361	6,898
28	17	97.884	45.795,335	1.208.776,644	26,395	25,932	78	67	46.887	5.650,258	39.425,964	6,978	6,515
29	18	97.791	44.527,110	1.162.981,309	26,118	25,656	79	68	43.593	5.112,722	33.775,706	6,606	6,143
30	19	97.694	43.292,453	1.118.454,199	25,835	25,372	80	69	40.225	4.591,403	28.662,984	6,243	5,780
31	20	97.595	42.091,322	1.075.161,746	25,544	25,081	81	70	36.760	4.083,651	24.071,581	5,895	5,432
32	21	97.488	40.919,512	1.033.070,424	25,246	24,784	82	71	33.262	3.596,192	19.987,930	5,558	5,095
33	22	97.384	39.781,981	992.150,912	24,940	24,477	83	72	29.652	3.120,010	16.391,738	5,254	4,791
34	23	97.272	38.672,820	952.368,931	24,626	24,163	84	73	26.150	2.677,933	13.271,728	4,956	4,493
35	24	97.154	37.592,023	913.696,111	24,306	23,843	85	74	22.793	2.271,641	10.593,795	4,663	4,201
36	25	97.026	36.537,694	876.104,088	23,978	23,515	86	75	19.686	1.909,456	8.322,154	4,358	3,896
37	26	96.892	35.510,918	839.566,394	23,642	23,180	87	76	16.635	1.570,384	6.412,698	4,084	3,621
38	27	96.748	34.509,087	804.055,475	23,300	22,837	88	77	13.728	1.261,237	4.842,314	3,839	3,377
39	28	96.587	33.529,432	769.546,389	22,951	22,489	89	78	11.083	991,008	3.581,077	3,614	3,151
40	29	96.409	32.572,084	736.016,957	22,597	22,134	90	79	8.753	761,754	2.590,070	3,400	2,937
41	30	96.215	31.636,469	703.444,873	22,235	21,772	91	80	6.758	572,397	1.828,315	3,194	2,731
42	31	96.001	30.721,198	671.808,404	21,868	21,405	92	81	5.062	417,220	1.255,919	3,010	2,547
43	32	95.755	29.822,376	641.087,206	21,497	21,034	93	82	3.681	295,265	838,698	2,840	2,378
44	33	95.484	28.942,065	611.264,830	21,120	20,657	94	83	2.590	202,222	543,433	2,687	2,224
45	34	95.190	28.080,666	582.322,765	20,737	20,275	95	84	1.765	134,128	341,211	2,544	2,081
46	35	94.852	27.232,249	554.242,099	20,352	19,890	96	85	1.161	85,890	207,083	2,411	1,948
47	36	94.482	26.399,923	527.009,850	19,963	19,500	97	86	739	53,162	121,194	2,280	1,817
48	37	94.075	25.582,583	500.609,927	19,568	19,106	98	87	450	31,502	68,032	2,160	1,697
49	38	93.633	24.781,041	475.027,344	19,169	18,706	99	88	261	17,783	36,530	2,054	1,591
							100	89	144	9,585	18,747	1,956	1,493

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 12 Jahre

Zinsfuß 2,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	38	93.213	24.009,552	452.030,000	18,827	18,364
1							51	39	92.686	23.234,905	428.020,448	18,421	17,959
2							52	40	92.132	22.477,890	404.785,543	18,008	17,545
3							53	41	91.512	21.729,071	382.307,653	17,594	17,131
4							54	42	90.847	20.993,816	360.578,582	17,175	16,713
5							55	43	90.129	20.270,381	339.584,766	16,753	16,290
6							56	44	89.338	19.554,778	319.314,385	16,329	15,866
7							57	45	88.515	18.856,088	299.759,607	15,897	15,434
8							58	46	87.610	18.163,779	280.903,518	15,465	15,002
9							59	47	86.619	17.477,729	262.739,739	15,033	14,570
10							60	48	85.542	16.798,430	245.262,009	14,600	14,137
11							61	49	84.399	16.130,508	228.463,579	14,163	13,701
12	0	99.370	71.758,299	2.147.931,361	29,933	29,470	62	50	83.185	15.472,901	212.333,071	13,723	13,260
13	1	98.980	69.563,506	2.076.173,061	29,846	29,383	63	51	81.857	14.818,410	196.860,170	13,285	12,822
14	2	98.931	67.668,687	2.006.609,555	29,653	29,191	64	52	80.450	14.173,928	182.041,759	12,843	12,381
15	3	98.893	65.832,434	1.938.940,868	29,453	28,990	65	53	78.941	13.535,829	167.867,831	12,402	11,939
16	4	98.853	64.044,387	1.873.108,434	29,247	28,784	66	54	77.314	12.901,979	154.332,002	11,962	11,499
17	5	98.802	62.298,383	1.809.064,046	29,039	28,576	67	55	75.571	12.273,564	141.430,024	11,523	11,060
18	6	98.740	60.592,377	1.746.765,663	28,828	28,365	68	56	73.672	11.644,944	129.156,460	11,091	10,628
19	7	98.656	58.920,524	1.686.173,286	28,618	28,155	69	57	71.642	11.020,938	117.511,516	10,663	10,200
20	8	98.567	57.292,401	1.627.252,762	28,403	27,940	70	58	69.485	10.403,122	106.490,578	10,236	9,774
21	9	98.483	55.711,288	1.569.960,361	28,180	27,717	71	59	67.178	9.788,589	96.087,456	9,816	9,353
22	10	98.400	54.174,217	1.514.249,074	27,951	27,489	72	60	64.732	9.179,702	86.298,867	9,401	8,938
23	11	98.317	52.680,116	1.460.074,857	27,716	27,253	73	61	62.110	8.572,050	77.119,165	8,997	8,534
24	12	98.235	51.227,380	1.407.394,741	27,473	27,011	74	62	59.365	7.973,937	68.547,115	8,596	8,134
25	13	98.155	49.815,925	1.356.167,361	27,224	26,761	75	63	56.487	7.384,281	60.573,178	8,203	7,740
26	14	98.074	48.442,494	1.306.351,436	26,967	26,504	76	64	53.508	6.807,748	53.188,897	7,813	7,350
27	15	97.992	47.106,773	1.257.908,942	26,703	26,241	77	65	50.467	6.248,989	46.381,149	7,422	6,959
28	16	97.905	45.805,036	1.210.802,169	26,434	25,971	78	66	47.315	5.701,897	40.132,160	7,038	6,576
29	17	97.812	44.536,909	1.164.997,134	26,158	25,695	79	67	44.041	5.165,227	34.430,262	6,666	6,203
30	18	97.722	43.304,907	1.120.460,225	25,874	25,411	80	68	40.690	4.644,525	29.265,036	6,301	5,838
31	19	97.622	42.102,993	1.077.155,317	25,584	25,121	81	69	37.235	4.136,424	24.620,511	5,952	5,489
32	20	97.518	40.932,441	1.035.052,324	25,287	24,824	82	70	33.742	3.648,043	20.484,086	5,615	5,152
33	21	97.408	39.791,717	994.119,883	24,983	24,520	83	71	30.140	3.171,426	16.836,043	5,309	4,846
34	22	97.298	38.683,293	954.328,167	24,670	24,207	84	72	26.630	2.727,101	13.664,617	5,011	4,548
35	23	97.179	37.601,834	915.644,874	24,351	23,888	85	73	23.267	2.318,882	10.937,517	4,717	4,254
36	24	97.052	36.547,624	878.043,040	24,025	23,562	86	74	20.144	1.953,930	8.618,635	4,411	3,948
37	25	96.916	35.519,658	841.495,416	23,691	23,228	87	75	17.078	1.612,184	6.664,704	4,134	3,671
38	26	96.775	34.518,750	805.975,758	23,349	22,886	88	76	14.137	1.298,836	5.052,520	3,890	3,427
39	27	96.615	33.539,206	771.457,007	23,002	22,539	89	77	11.456	1.024,332	3.753,684	3,665	3,202
40	28	96.438	32.581,755	737.917,801	22,648	22,185	90	78	9.090	791,073	2.729,352	3,450	2,987
41	29	96.243	31.645,732	705.336,046	22,289	21,826	91	79	7.055	597,532	1.938,279	3,244	2,781
42	30	96.032	30.731,260	673.690,314	21,922	21,459	92	80	5.321	438,586	1.340,747	3,057	2,594
43	31	95.789	29.833,032	642.959,055	21,552	21,089	93	81	3.898	312,696	902,161	2,885	2,422
44	32	95.518	28.952,360	613.126,022	21,177	20,714	94	82	2.769	216,194	589,465	2,727	2,264
45	33	95.228	28.091,891	584.173,662	20,795	20,332	95	83	1.901	144,481	373,271	2,584	2,121
46	34	94.897	27.245,022	556.081,771	20,410	19,948	96	84	1.263	93,395	228,790	2,450	1,987
47	35	94.530	26.413,446	528.836,749	20,021	19,559	97	85	809	58,217	135,395	2,326	1,863
48	36	94.128	25.597,057	502.423,304	19,628	19,165	98	86	500	35,033	77,179	2,203	1,740
49	37	93.691	24.796,246	476.826,246	19,230	18,767	99	87	296	20,159	42,145	2,091	1,628
							100	88	166	11,037	21,986	1,992	1,529

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 13 Jahre

Zinsfuß 2,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	37	93.270	24.024,284	453.663,447	18,884	18,421
1							51	38	92.751	23.251,170	429.639,163	18,478	18,015
2							52	39	92.206	22.495,893	406.387,993	18,065	17,602
3							53	40	91.592	21.747,991	383.892,100	17,652	17,189
4							54	41	90.937	21.014,589	362.144,109	17,233	16,770
5							55	42	90.230	20.293,204	341.129,520	16,810	16,347
6							56	43	89.454	19.580,194	320.836,316	16,386	15,923
7							57	44	88.638	18.882,373	301.256,122	15,954	15,492
8							58	45	87.749	18.192,633	282.373,749	15,521	15,059
9							59	46	86.775	17.509,175	264.181,116	15,088	14,625
10							60	47	85.709	16.831,161	246.671,941	14,656	14,193
11							61	48	84.579	16.164,776	229.840,780	14,219	13,756
12							62	49	83.386	15.510,230	213.676,003	13,776	13,314
13	0	99.357	69.828,641	2.078.407,121	29,764	29,302	63	50	82.065	14.855,946	198.165,773	13,339	12,876
14	1	98.967	67.692,931	2.008.578,480	29,672	29,209	64	51	80.674	14.213,402	183.309,827	12,897	12,434
15	2	98.913	65.845,453	1.940.885,550	29,476	29,014	65	52	79.181	13.576,875	169.096,425	12,455	11,992
16	3	98.870	64.055,382	1.875.040,097	29,272	28,809	66	53	77.559	12.942,846	155.519,551	12,016	11,553
17	4	98.815	62.306,431	1.810.984,714	29,066	28,603	67	54	75.834	12.316,403	142.576,705	11,576	11,113
18	5	98.752	60.600,299	1.748.678,284	28,856	28,393	68	55	73.952	11.689,210	130.260,301	11,144	10,681
19	6	98.665	58.925,954	1.688.077,985	28,647	28,185	69	56	71.930	11.065,362	118.571,092	10,716	10,253
20	7	98.576	57.297,391	1.629.152,031	28,433	27,970	70	57	69.797	10.449,760	107.505,729	10,288	9,825
21	8	98.493	55.716,636	1.571.854,641	28,212	27,749	71	58	67.504	9.835,955	97.055,970	9,867	9,405
22	9	98.406	54.177,718	1.516.138,005	27,985	27,522	72	59	65.063	9.226,608	87.220,014	9,453	8,990
23	10	98.325	52.684,547	1.461.960,287	27,749	27,286	73	60	62.453	8.619,494	77.993,406	9,048	8,586
24	11	98.244	51.232,184	1.409.275,740	27,508	27,045	74	61	59.701	8.019,063	69.373,912	8,651	8,188
25	12	98.164	49.820,156	1.358.043,556	27,259	26,796	75	62	56.844	7.431,043	61.354,849	8,257	7,794
26	13	98.084	48.447,188	1.308.223,401	27,003	26,540	76	63	53.875	6.854,370	53.923,806	7,867	7,404
27	14	98.004	47.112,263	1.259.776,212	26,740	26,277	77	64	50.839	6.295,024	47.069,435	7,477	7,014
28	15	97.922	45.813,221	1.212.663,950	26,470	26,007	78	65	47.705	5.748,850	40.774,412	7,093	6,630
29	16	97.833	44.546,343	1.166.850,728	26,194	25,731	79	66	44.443	5.212,434	35.025,561	6,720	6,257
30	17	97.743	43.314,437	1.122.304,386	25,911	25,448	80	67	41.108	4.692,222	29.813,128	6,354	5,891
31	18	97.651	42.115,105	1.078.989,948	25,620	25,157	81	68	37.666	4.184,282	25.120,906	6,004	5,541
32	19	97.545	40.943,791	1.036.874,843	25,324	24,862	82	69	34.178	3.695,187	20.936,624	5,666	5,203
33	20	97.438	39.804,289	995.931,053	25,021	24,558	83	70	30.575	3.217,153	17.241,436	5,359	4,896
34	21	97.322	38.692,760	956.126,763	24,711	24,248	84	71	27.069	2.772,042	14.024,284	5,059	4,596
35	22	97.205	37.612,017	917.434,003	24,392	23,929	85	72	23.694	2.361,457	11.252,242	4,765	4,302
36	23	97.077	36.557,162	879.821,987	24,067	23,604	86	73	20.563	1.994,564	8.890,785	4,458	3,995
37	24	96.943	35.529,311	843.264,825	23,734	23,272	87	74	17.476	1.649,735	6.896,221	4,180	3,717
38	25	96.799	34.527,246	807.735,514	23,394	22,931	88	75	14.513	1.333,408	5.246,486	3,935	3,472
39	26	96.642	33.548,598	773.208,268	23,047	22,585	89	76	11.797	1.054,868	3.913,078	3,710	3,247
40	27	96.466	32.591,254	739.659,669	22,695	22,232	90	77	9.396	817,674	2.858,209	3,496	3,033
41	28	96.272	31.655,128	707.068,416	22,337	21,874	91	78	7.327	620,531	2.040,535	3,288	2,826
42	29	96.060	30.740,258	675.413,288	21,972	21,509	92	79	5.555	457,846	1.420,004	3,101	2,639
43	30	95.820	29.842,803	644.673,030	21,602	21,139	93	80	4.098	328,709	962,159	2,927	2,464
44	31	95.552	28.962,705	614.830,227	21,228	20,766	94	81	2.933	228,957	633,450	2,767	2,304
45	32	95.262	28.101,883	585.867,522	20,848	20,385	95	82	2.033	154,463	404,494	2,619	2,156
46	33	94.935	27.255,913	557.765,638	20,464	20,001	96	83	1.360	100,604	250,031	2,485	2,022
47	34	94.575	26.425,835	530.509,725	20,075	19,613	97	84	880	63,304	149,426	2,360	1,898
48	35	94.176	25.610,168	504.083,891	19,683	19,220	98	85	548	38,364	86,123	2,245	1,782
49	36	93.744	24.810,275	478.473,722	19,285	18,822	99	86	329	22,419	47,758	2,130	1,667
							100	87	189	12,512	25,339	2,025	1,562

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 14 Jahre

Zinsfuß 2,75%

Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	36	93.323	24.037,877	455.159,189	18,935	18,472
1							51	37	92.808	23.265,437	431.121,313	18,531	18,068
2							52	38	92.270	22.511,640	407.855,876	18,118	17,655
3							53	39	91.665	21.765,409	385.344,236	17,704	17,242
4							54	40	91.016	21.032,887	363.578,827	17,286	16,823
5							55	41	90.319	20.313,284	342.545,940	16,863	16,400
6							56	42	89.555	19.602,240	322.232,656	16,439	15,976
7							57	43	88.753	18.906,914	302.630,416	16,006	15,544
8							58	44	87.871	18.217,993	283.723,502	15,574	15,111
9							59	45	86.913	17.536,989	265.505,509	15,140	14,677
10							60	46	85.863	16.861,444	247.968,520	14,706	14,243
11							61	47	84.744	16.196,273	231.107,076	14,269	13,806
12							62	48	83.563	15.543,180	214.910,804	13,827	13,364
13							63	49	82.263	14.891,786	199.367,623	13,388	12,925
14	0	99.344	67.950,936	2.010.644,641	29,590	29,127	64	50	80.879	14.249,405	184.475,837	12,946	12,483
15	1	98.948	65.869,043	1.942.693,705	29,493	29,030	65	51	79.401	13.614,686	170.226,432	12,503	12,040
16	2	98.890	64.068,049	1.876.824,661	29,294	28,831	66	52	77.794	12.982,094	156.611,746	12,064	11,601
17	3	98.832	62.317,127	1.812.756,612	29,089	28,626	67	53	76.075	12.355,416	143.629,652	11,625	11,162
18	4	98.765	60.608,127	1.750.439,485	28,881	28,418	68	54	74.210	11.730,009	131.274,236	11,191	10,728
19	5	98.678	58.933,658	1.689.831,358	28,673	28,211	69	55	72.204	11.107,425	119.544,227	10,763	10,300
20	6	98.585	57.302,671	1.630.897,700	28,461	27,998	70	56	70.078	10.491,882	108.436,802	10,335	9,872
21	7	98.501	55.721,489	1.573.595,030	28,240	27,778	71	57	67.806	9.880,051	97.944,920	9,913	9,451
22	8	98.415	54.182,919	1.517.873,541	28,014	27,551	72	58	65.378	9.271,255	88.064,870	9,499	9,036
23	9	98.332	52.687,951	1.463.690,622	27,780	27,318	73	59	62.772	8.663,537	78.793,615	9,095	8,632
24	10	98.252	51.236,493	1.411.002,671	27,539	27,076	74	60	60.031	8.063,447	70.130,077	8,697	8,234
25	11	98.173	49.824,828	1.359.766,178	27,291	26,828	75	61	57.166	7.473,097	62.066,631	8,305	7,843
26	12	98.092	48.451,303	1.309.941,350	27,036	26,573	76	62	54.216	6.897,777	54.593,534	7,915	7,452
27	13	98.013	47.116,828	1.261.490,047	26,774	26,311	77	63	51.187	6.338,135	47.695,756	7,525	7,062
28	14	97.934	45.818,560	1.214.373,219	26,504	26,041	78	64	48.056	5.791,200	41.357,622	7,141	6,679
29	15	97.850	44.554,303	1.168.554,659	26,228	25,765	79	65	44.809	5.255,356	35.566,421	6,768	6,305
30	16	97.764	43.323,612	1.124.000,355	25,944	25,481	80	66	41.484	4.735,105	30.311,065	6,401	5,939
31	17	97.672	42.124,373	1.080.676,743	25,654	25,192	81	67	38.053	4.227,252	25.575,960	6,050	5,587
32	18	97.573	40.955,569	1.038.552,370	25,358	24,895	82	68	34.573	3.737,940	21.348,707	5,711	5,249
33	19	97.465	39.815,326	997.596,801	25,056	24,593	83	69	30.970	3.258,728	17.610,767	5,404	4,941
34	20	97.353	38.704,985	957.781,475	24,746	24,283	84	70	27.459	2.812,010	14.352,039	5,104	4,641
35	21	97.229	37.621,222	919.076,489	24,430	23,967	85	71	24.084	2.400,372	11.540,029	4,808	4,345
36	22	97.104	36.567,062	881.455,268	24,105	23,642	86	72	20.940	2.031,185	9.139,656	4,500	4,037
37	23	96.968	35.538,583	844.888,206	23,774	23,311	87	73	17.839	1.684,043	7.108,471	4,221	3,758
38	24	96.825	34.536,629	809.349,623	23,435	22,972	88	74	14.851	1.364,466	5.424,429	3,975	3,513
39	25	96.666	33.556,856	774.812,994	23,090	22,627	89	75	12.111	1.082,947	4.059,963	3,749	3,286
40	26	96.493	32.600,380	741.256,138	22,738	22,275	90	76	9.676	842,050	2.977,016	3,535	3,073
41	27	96.300	31.664,356	708.655,757	22,380	21,917	91	77	7.573	641,397	2.134,966	3,329	2,866
42	28	96.089	30.749,385	676.991,402	22,016	21,554	92	78	5.768	475,467	1.493,569	3,141	2,678
43	29	95.849	29.851,541	646.242,017	21,649	21,186	93	79	4.277	343,143	1.018,102	2,967	2,504
44	30	95.583	28.972,191	616.390,476	21,275	20,812	94	80	3.083	240,681	674,959	2,804	2,342
45	31	95.296	28.111,925	587.418,285	20,896	20,433	95	81	2.153	163,582	434,277	2,655	2,192
46	32	94.968	27.265,608	559.306,359	20,513	20,050	96	82	1.454	107,555	270,696	2,517	2,054
47	33	94.612	26.436,398	532.040,752	20,125	19,662	97	83	947	68,190	163,141	2,392	1,930
48	34	94.220	25.622,181	505.604,353	19,733	19,270	98	84	596	41,717	94,951	2,276	1,813
49	35	93.792	24.822,984	479.982,173	19,336	18,873	99	85	360	24,551	53,234	2,168	1,706
							100	86	210	13,915	28,683	2,061	1,599

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 15 Jahre

Zinsfuß 2,75%

Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	35	93.371	24.050,189	456.528,630	18,982	18,520
1							51	36	92.860	23.278,600	432.478,441	18,578	18,116
2							52	37	92.327	22.525,453	409.199,841	18,166	17,703
3							53	38	91.729	21.780,645	386.674,388	17,753	17,290
4							54	39	91.089	21.049,733	364.893,743	17,335	16,872
5							55	40	90.398	20.330,971	343.844,011	16,912	16,450
6							56	41	89.643	19.621,636	323.513,039	16,488	16,025
7							57	42	88.853	18.928,202	303.891,404	16,055	15,592
8							58	43	87.985	18.241,671	284.963,201	15,622	15,159
9							59	44	87.034	17.561,435	266.721,531	15,188	14,725
10							60	45	85.999	16.888,229	249.160,096	14,753	14,291
11							61	46	84.896	16.225,413	232.271,867	14,315	13,852
12							62	47	83.726	15.573,465	216.046,454	13,873	13,410
13							63	48	82.437	14.923,423	200.472,989	13,433	12,971
14							64	49	81.074	14.283,782	185.549,566	12,990	12,527
15	0	99.326	66.120,097	1.944.605,473	29,410	28,947	65	50	79.602	13.649,172	171.265,783	12,548	12,085
16	1	98.925	64.091,003	1.878.485,376	29,310	28,847	66	51	78.011	13.018,248	157.616,611	12,107	11,645
17	2	98.852	62.329,451	1.814.394,373	29,110	28,647	67	52	76.305	12.392,882	144.598,363	11,668	11,205
18	3	98.782	60.618,532	1.752.064,922	28,903	28,440	68	53	74.445	11.767,165	132.205,481	11,235	10,772
19	4	98.690	58.941,270	1.691.446,391	28,697	28,234	69	54	72.456	11.146,194	120.438,316	10,805	10,343
20	5	98.598	57.310,163	1.632.505,121	28,485	28,023	70	55	70.344	10.531,764	109.292,122	10,377	9,915
21	6	98.510	55.726,624	1.575.194,958	28,266	27,804	71	56	68.079	9.919,876	98.760,358	9,956	9,493
22	7	98.424	54.187,638	1.519.468,334	28,041	27,578	72	57	65.671	9.312,819	88.840,481	9,540	9,077
23	8	98.341	52.693,009	1.465.280,696	27,808	27,345	73	58	63.076	8.705,459	79.527,663	9,135	8,673
24	9	98.259	51.239,804	1.412.587,687	27,568	27,105	74	59	60.338	8.104,649	70.822,203	8,738	8,276
25	10	98.181	49.829,019	1.361.347,883	27,320	26,858	75	60	57.482	7.514,459	62.717,554	8,346	7,883
26	11	98.101	48.455,847	1.311.518,865	27,066	26,603	76	61	54.523	6.936,813	55.203,096	7,958	7,495
27	12	98.022	47.120,830	1.263.063,018	26,805	26,342	77	62	51.511	6.378,273	48.266,282	7,567	7,104
28	13	97.943	45.823,000	1.215.942,188	26,536	26,073	78	63	48.386	5.830,861	41.888,010	7,184	6,721
29	14	97.862	44.559,496	1.170.119,188	26,260	25,797	79	64	45.139	5.294,071	36.057,149	6,811	6,348
30	15	97.782	43.331,354	1.125.559,692	25,976	25,513	80	65	41.825	4.774,097	30.763,078	6,444	5,981
31	16	97.693	42.133,296	1.082.228,338	25,686	25,223	81	66	38.401	4.265,887	25.988,981	6,092	5,629
32	17	97.595	40.964,582	1.040.095,042	25,390	24,927	82	67	34.928	3.776,326	21.723,094	5,752	5,290
33	18	97.493	39.826,780	999.130,460	25,087	24,624	83	68	31.328	3.296,432	17.946,768	5,444	4,981
34	19	97.380	38.715,718	959.303,680	24,778	24,315	84	69	27.814	2.848,350	14.650,336	5,143	4,681
35	20	97.260	37.633,108	920.587,962	24,462	23,999	85	70	24.432	2.434,982	11.801,986	4,847	4,384
36	21	97.128	36.576,011	882.954,854	24,140	23,677	86	71	21.286	2.064,658	9.367,004	4,537	4,074
37	22	96.994	35.548,208	846.378,843	23,809	23,347	87	72	18.167	1.714,962	7.302,347	4,258	3,795
38	23	96.851	34.545,642	810.830,636	23,471	23,008	88	73	15.160	1.392,841	5.587,385	4,012	3,549
39	24	96.692	33.565,975	776.284,993	23,127	22,664	89	74	12.393	1.108,170	4.194,543	3,785	3,322
40	25	96.517	32.608,404	742.719,019	22,777	22,314	90	75	9.934	864,464	3.086,373	3,570	3,107
41	26	96.327	31.673,223	710.110,614	22,420	21,957	91	76	7.799	660,518	2.221,909	3,364	2,901
42	27	96.117	30.758,349	678.437,392	22,057	21,594	92	77	5.962	491,456	1.561,392	3,177	2,714
43	28	95.877	29.860,404	647.679,043	21,690	21,227	93	78	4.442	356,351	1.069,936	3,002	2,540
44	29	95.611	28.980,674	617.818,638	21,318	20,855	94	79	3.218	251,250	713,585	2,840	2,377
45	30	95.327	28.121,132	588.837,964	20,939	20,477	95	80	2.263	171,958	462,335	2,689	2,226
46	31	95.002	27.275,351	560.716,832	20,558	20,095	96	81	1.540	113,904	290,377	2,549	2,086
47	32	94.646	26.445,802	533.441,481	20,171	19,708	97	82	1.013	72,901	176,472	2,421	1,958
48	33	94.258	25.632,423	506.995,679	19,779	19,317	98	83	642	44,937	103,571	2,305	1,842
49	34	93.836	24.834,626	481.363,256	19,383	18,920	99	84	392	26,696	58,634	2,196	1,734
							100	85	230	15,238	31,938	2,096	1,633

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 16 Jahre

Zinsfuß 2,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	34	93.414	24.061,470	457.782,440	19,026	18,563
1							51	35	92.908	23.290,523	433.720,970	18,622	18,159
2							52	36	92.379	22.538,197	410.430,447	18,210	17,748
3							53	37	91.786	21.794,009	387.892,249	17,798	17,335
4							54	38	91.153	21.064,467	366.098,240	17,380	16,917
5							55	39	90.470	20.347,254	345.033,773	16,957	16,494
6							56	40	89.721	19.638,721	324.686,518	16,533	16,070
7							57	41	88.941	18.946,931	305.047,797	16,100	15,637
8							58	42	88.085	18.262,210	286.100,866	15,666	15,203
9							59	43	87.147	17.584,260	267.838,656	15,232	14,769
10							60	44	86.119	16.911,770	250.254,397	14,798	14,335
11							61	45	85.031	16.251,188	233.342,627	14,358	13,896
12							62	46	83.876	15.601,485	217.091,439	13,915	13,452
13							63	47	82.598	14.952,500	201.489,954	13,475	13,013
14							64	48	81.246	14.314,127	186.537,453	13,032	12,569
15							65	49	79.794	13.682,101	172.223,326	12,587	12,125
16	0	99.302	64.335,280	1.880.255,222	29,226	28,763	66	50	78.208	13.051,224	158.541,225	12,148	11,685
17	1	98.887	62.351,781	1.815.919,941	29,124	28,661	67	51	76.518	12.427,396	145.490,001	11,707	11,244
18	2	98.802	60.630,519	1.753.568,160	28,922	28,459	68	52	74.671	11.802,847	133.062,605	11,274	10,811
19	3	98.707	58.951,389	1.692.937,641	28,718	28,255	69	53	72.685	11.181,500	121.259,758	10,845	10,382
20	4	98.611	57.317,565	1.633.986,252	28,508	28,045	70	54	70.590	10.568,524	110.078,258	10,416	9,953
21	5	98.523	55.733,909	1.576.668,687	28,289	27,826	71	55	68.338	9.957,584	99.509,734	9,993	9,531
22	6	98.433	54.192,632	1.520.934,777	28,065	27,603	72	56	65.936	9.350,358	89.552,149	9,577	9,115
23	7	98.350	52.697,599	1.466.742,146	27,833	27,370	73	57	63.359	8.744,487	80.201,791	9,172	8,709
24	8	98.268	51.244,723	1.414.044,547	27,594	27,131	74	58	60.630	8.143,867	71.457,305	8,774	8,312
25	9	98.187	49.832,238	1.362.799,824	27,348	26,885	75	59	57.776	7.552,856	63.313,438	8,383	7,920
26	10	98.109	48.459,923	1.312.967,586	27,094	26,631	76	60	54.825	6.975,206	55.760,582	7,994	7,531
27	11	98.031	47.125,249	1.264.507,663	26,833	26,370	77	61	51.803	6.414,368	48.785,376	7,606	7,143
28	12	97.952	45.826,892	1.217.382,414	26,565	26,102	78	62	48.692	5.867,786	42.371,007	7,221	6,758
29	13	97.871	44.563,813	1.171.555,522	26,289	25,827	79	63	45.448	5.330,327	36.503,221	6,848	6,385
30	14	97.793	43.336,404	1.126.991,709	26,006	25,543	80	64	42.133	4.809,267	31.172,894	6,482	6,019
31	15	97.710	42.140,825	1.083.655,305	25,715	25,252	81	65	38.717	4.301,015	26.363,628	6,130	5,667
32	16	97.616	40.973,260	1.041.514,480	25,419	24,957	82	66	35.248	3.810,840	22.062,613	5,789	5,327
33	17	97.515	39.835,545	1.000.541,220	25,117	24,654	83	67	31.650	3.330,284	18.251,773	5,481	5,018
34	18	97.408	38.726,855	960.705,676	24,807	24,344	84	68	28.136	2.881,305	14.921,489	5,179	4,716
35	19	97.287	37.643,543	921.978,821	24,492	24,030	85	69	24.747	2.466,450	12.040,184	4,882	4,419
36	20	97.158	36.587,567	884.335,278	24,170	23,708	86	70	21.592	2.094,427	9.573,735	4,571	4,108
37	21	97.018	35.556,907	847.747,710	23,842	23,379	87	71	18.466	1.743,223	7.479,308	4,291	3,828
38	22	96.877	34.554,998	812.190,803	23,504	23,041	88	72	15.438	1.418,414	5.736,085	4,044	3,581
39	23	96.717	33.574,735	777.635,805	23,161	22,699	89	73	12.651	1.131,216	4.317,671	3,817	3,354
40	24	96.543	32.617,266	744.061,070	22,812	22,349	90	74	10.165	884,599	3.186,455	3,602	3,139
41	25	96.351	31.681,018	711.443,805	22,456	21,994	91	75	8.006	678,099	2.301,856	3,395	2,932
42	26	96.144	30.766,962	679.762,786	22,094	21,631	92	76	6.140	506,107	1.623,757	3,208	2,746
43	27	95.905	29.869,109	648.995,824	21,728	21,265	93	77	4.591	368,333	1.117,650	3,034	2,572
44	28	95.640	28.989,279	619.126,715	21,357	20,894	94	78	3.342	260,921	749,317	2,872	2,409
45	29	95.355	28.129,366	590.137,436	20,979	20,517	95	79	2.362	179,510	488,396	2,721	2,258
46	30	95.034	27.284,284	562.008,070	20,598	20,135	96	80	1.619	119,737	308,887	2,580	2,117
47	31	94.680	26.455,252	534.723,786	20,212	19,750	97	81	1.073	77,205	189,149	2,450	1,987
48	32	94.291	25.641,540	508.268,534	19,822	19,359	98	82	686	48,042	111,944	2,330	1,867
49	33	93.873	24.844,554	482.626,994	19,426	18,963	99	83	422	28,757	63,902	2,222	1,759
							100	84	250	16,569	35,146	2,121	1,658

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 17 Jahre

Zinsfuß 2,75%

Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	33	93.452	24.071,088	458.929,722	19,066	18,603
1							51	34	92.951	23.301,448	434.858,634	18,662	18,199
2							52	35	92.427	22.549,742	411.557,186	18,251	17,788
3							53	36	91.837	21.806,340	389.007,444	17,839	17,376
4							54	37	91.209	21.077,392	367.201,105	17,422	16,959
5							55	38	90.534	20.361,497	346.123,712	16,999	16,536
6							56	39	89.793	19.654,450	325.762,215	16,574	16,112
7							57	40	89.019	18.963,429	306.107,765	16,142	15,679
8							58	41	88.172	18.280,280	287.144,336	15,708	15,245
9							59	42	87.245	17.604,058	268.864,056	15,273	14,810
10							60	43	86.231	16.933,750	251.259,998	14,838	14,375
11							61	44	85.149	16.273,841	234.326,248	14,399	13,936
12							62	45	84.010	15.626,269	218.052,407	13,954	13,491
13							63	46	82.747	14.979,403	202.426,138	13,514	13,051
14							64	47	81.404	14.342,017	187.446,735	13,070	12,607
15							65	48	79.964	13.711,168	173.104,718	12,625	12,162
16							66	49	78.397	13.082,711	159.393,550	12,184	11,721
17	0	99.264	62.589,429	1.817.559,323	29,039	28,577	67	50	76.712	12.458,875	146.310,839	11,744	11,281
18	1	98.837	60.652,241	1.754.969,893	28,935	28,472	68	51	74.879	11.835,718	133.851,964	11,309	10,846
19	2	98.727	58.963,047	1.694.317,652	28,735	28,272	69	52	72.906	11.215,406	122.016,246	10,879	10,417
20	3	98.628	57.327,406	1.635.354,605	28,527	28,064	70	53	70.813	10.602,000	110.800,840	10,451	9,988
21	4	98.536	55.741,109	1.578.027,200	28,310	27,847	71	54	68.577	9.992,340	100.198,840	10,028	9,565
22	5	98.446	54.199,717	1.522.286,091	28,087	27,624	72	55	66.186	9.385,901	90.206,499	9,611	9,148
23	6	98.359	52.702,455	1.468.086,374	27,856	27,393	73	56	63.614	8.779,735	80.820,598	9,205	8,743
24	7	98.277	51.249,186	1.415.383,920	27,618	27,155	74	57	60.902	8.180,376	72.040,863	8,807	8,344
25	8	98.197	49.837,022	1.364.134,733	27,372	26,909	75	58	58.056	7.589,403	63.860,487	8,414	7,952
26	9	98.116	48.463,054	1.314.297,711	27,120	26,657	76	59	55.105	7.010,848	56.271,083	8,026	7,563
27	10	98.039	47.129,212	1.265.834,657	26,859	26,396	77	60	52.090	6.449,870	49.260,235	7,637	7,175
28	11	97.961	45.831,190	1.218.705,445	26,591	26,128	78	61	48.967	5.900,993	42.810,365	7,255	6,792
29	12	97.880	44.567,598	1.172.874,255	26,317	25,854	79	62	45.736	5.364,082	36.909,372	6,881	6,418
30	13	97.802	43.340,603	1.128.306,656	26,033	25,571	80	63	42.422	4.842,202	31.545,290	6,515	6,052
31	14	97.722	42.145,736	1.084.966,053	25,743	25,280	81	64	39.002	4.332,699	26.703,087	6,163	5,700
32	15	97.633	40.980,582	1.042.820,317	25,447	24,984	82	65	35.538	3.842,220	22.370,388	5,822	5,359
33	16	97.536	39.843,982	1.001.839,736	25,144	24,681	83	66	31.939	3.360,720	18.528,168	5,513	5,050
34	17	97.429	38.735,378	961.995,753	24,835	24,372	84	67	28.425	2.910,894	15.167,447	5,211	4,748
35	18	97.315	37.654,372	923.260,375	24,519	24,057	85	68	25.034	2.494,986	12.256,553	4,912	4,450
36	19	97.185	36.597,712	885.606,003	24,198	23,736	86	69	21.872	2.121,493	9.761,567	4,601	4,138
37	20	97.049	35.568,142	849.008,291	23,870	23,407	87	70	18.732	1.768,358	7.640,074	4,320	3,858
38	21	96.901	34.563,455	813.440,149	23,535	23,072	88	71	15.693	1.441,789	5.871,715	4,073	3,610
39	22	96.743	33.583,827	778.876,694	23,192	22,729	89	72	12.883	1.151,985	4.429,927	3,845	3,383
40	23	96.568	32.625,778	745.292,867	22,844	22,381	90	73	10.376	902,995	3.277,941	3,630	3,167
41	24	96.377	31.689,628	712.667,089	22,489	22,026	91	74	8.193	693,893	2.374,947	3,423	2,960
42	25	96.168	30.774,535	680.977,462	22,128	21,665	92	75	6.303	519,578	1.681,053	3,235	2,773
43	26	95.932	29.877,474	650.202,927	21,762	21,299	93	76	4.728	379,314	1.161,475	3,062	2,599
44	27	95.668	28.997,730	620.325,453	21,392	20,929	94	77	3.454	269,695	782,162	2,900	2,437
45	28	95.383	28.137,718	591.327,723	21,015	20,553	95	78	2.453	186,419	512,467	2,749	2,286
46	29	95.061	27.292,273	563.190,005	20,636	20,173	96	79	1.690	124,995	326,048	2,608	2,146
47	30	94.711	26.463,916	535.897,732	20,250	19,787	97	80	1.128	81,159	201,053	2,477	2,014
48	31	94.325	25.650,703	509.433,816	19,860	19,398	98	81	726	50,878	119,894	2,357	1,894
49	32	93.906	24.853,391	483.783,113	19,465	19,003	99	82	451	30,743	69,016	2,245	1,782
							100	83	269	17,848	38,273	2,144	1,682

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 18 Jahre

Zinsfuß 2,75%

Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	32	93.485	24.079,650	459.979,315	19,102	18,640
1							51	33	92.989	23.310,762	435.899,665	18,700	18,237
2							52	34	92.470	22.560,319	412.588,903	18,288	17,825
3							53	35	91.884	21.817,509	390.028,584	17,877	17,414
4							54	36	91.260	21.089,318	368.211,074	17,460	16,997
5							55	37	90.589	20.373,991	347.121,757	17,037	16,575
6							56	38	89.856	19.668,208	326.747,766	16,613	16,150
7							57	39	89.090	18.978,617	307.079,558	16,180	15,717
8							58	40	88.248	18.296,197	288.100,941	15,746	15,284
9							59	41	87.331	17.621,477	269.804,744	15,311	14,848
10							60	42	86.328	16.952,817	252.183,267	14,876	14,413
11							61	43	85.260	16.294,992	235.230,450	14,436	13,973
12							62	44	84.127	15.648,051	218.935,458	13,991	13,528
13							63	45	82.878	15.003,198	203.287,407	13,550	13,087
14							64	46	81.551	14.367,822	188.284,209	13,105	12,642
15							65	47	80.120	13.737,883	173.916,387	12,660	12,197
16							66	48	78.563	13.110,504	160.178,504	12,218	11,755
17							67	49	76.897	12.488,932	147.068,000	11,776	11,313
18	0	99.214	60.883,412	1.756.489,337	28,850	28,387	68	50	75.069	11.865,698	134.579,068	11,342	10,879
19	1	98.762	58.984,171	1.695.605,925	28,747	28,284	69	51	73.109	11.246,641	122.713,370	10,911	10,448
20	2	98.647	57.338,742	1.636.621,754	28,543	28,080	70	52	71.028	10.634,150	111.466,729	10,482	10,019
21	3	98.553	55.750,678	1.579.283,011	28,328	27,865	71	53	68.794	10.023,991	100.832,579	10,059	9,596
22	4	98.459	54.206,718	1.523.532,333	28,106	27,643	72	54	66.417	9.418,661	90.808,588	9,641	9,179
23	5	98.372	52.709,345	1.469.325,616	27,876	27,413	73	55	63.856	8.813,109	81.389,926	9,235	8,772
24	6	98.286	51.253,909	1.416.616,270	27,639	27,176	74	56	61.147	8.213,351	72.576,817	8,836	8,374
25	7	98.205	49.841,363	1.365.362,362	27,394	26,931	75	57	58.316	7.623,428	64.363,466	8,443	7,980
26	8	98.125	48.467,707	1.315.520,998	27,142	26,679	76	58	55.371	7.044,773	56.740,039	8,054	7,591
27	9	98.046	47.132,258	1.267.053,292	26,883	26,420	77	59	52.356	6.482,827	49.695,266	7,666	7,203
28	10	97.969	45.835,044	1.219.921,034	26,615	26,153	78	60	49.239	5.933,654	43.212,438	7,283	6,820
29	11	97.889	44.571,778	1.174.085,990	26,341	25,879	79	61	45.995	5.394,439	37.278,785	6,911	6,448
30	12	97.811	43.344,284	1.129.514,211	26,059	25,596	80	62	42.690	4.872,867	31.884,346	6,543	6,080
31	13	97.731	42.149,820	1.086.169,927	25,769	25,306	81	63	39.269	4.362,371	27.011,479	6,192	5,729
32	14	97.644	40.985,357	1.044.020,107	25,473	25,010	82	64	35.800	3.870,525	22.649,108	5,852	5,389
33	15	97.553	39.851,103	1.003.034,750	25,170	24,707	83	65	32.202	3.388,395	18.778,583	5,542	5,079
34	16	97.450	38.743,583	963.183,647	24,860	24,398	84	66	28.685	2.937,498	15.390,188	5,239	4,776
35	17	97.336	37.662,659	924.440,064	24,545	24,082	85	67	25.291	2.520,608	12.452,690	4,940	4,478
36	18	97.213	36.608,241	886.777,406	24,223	23,761	86	68	22.125	2.146,039	9.932,082	4,628	4,165
37	19	97.075	35.578,004	850.169,165	23,896	23,433	87	69	18.974	1.791,211	7.786,044	4,347	3,884
38	20	96.931	34.574,375	814.591,161	23,561	23,098	88	70	15.919	1.462,577	5.994,833	4,099	3,636
39	21	96.767	33.592,046	780.016,786	23,220	22,757	89	71	13.096	1.170,969	4.532,256	3,871	3,408
40	22	96.594	32.634,613	746.424,740	22,872	22,409	90	72	10.567	919,574	3.361,287	3,655	3,192
41	23	96.402	31.697,898	713.790,126	22,519	22,056	91	73	8.363	708,324	2.441,713	3,447	2,984
42	24	96.194	30.782,898	682.092,228	22,158	21,695	92	74	6.450	531,680	1.733,389	3,260	2,797
43	25	95.955	29.884,827	651.309,331	21,794	21,331	93	75	4.854	389,410	1.201,709	3,086	2,623
44	26	95.694	29.005,850	621.424,503	21,424	20,961	94	76	3.557	277,735	812,299	2,925	2,462
45	27	95.411	28.145,921	592.418,653	21,048	20,585	95	77	2.536	192,687	534,564	2,774	2,311
46	28	95.090	27.300,376	564.272,732	20,669	20,206	96	78	1.755	129,806	341,877	2,634	2,171
47	29	94.739	26.471,665	536.972,356	20,285	19,822	97	79	1.177	84,723	212,071	2,503	2,040
48	30	94.356	25.659,104	510.500,691	19,895	19,433	98	80	764	53,483	127,348	2,381	1,918
49	31	93.940	24.862,272	484.841,587	19,501	19,038	99	81	478	32,558	73,865	2,269	1,806
							100	82	288	19,081	41,307	2,165	1,702

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 19 Jahre

Zinsfuß 2,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	31	93.518	24.088,255	460.940,315	19,135	18,673
1							51	32	93.022	23.319,054	436.852,060	18,734	18,271
2							52	33	92.507	22.569,337	413.533,006	18,323	17,860
3							53	34	91.928	21.827,743	390.963,669	17,911	17,448
4							54	35	91.307	21.100,120	369.135,927	17,494	17,032
5							55	36	90.641	20.385,518	348.035,807	17,073	16,610
6							56	37	89.911	19.680,276	327.650,288	16,649	16,186
7							57	38	89.152	18.991,902	307.970,012	16,216	15,753
8							58	39	88.319	18.310,850	288.978,110	15,782	15,319
9							59	40	87.407	17.636,821	270.667,260	15,347	14,884
10							60	41	86.413	16.969,591	253.030,439	14,911	14,448
11							61	42	85.356	16.313,339	236.060,848	14,470	14,008
12							62	43	84.236	15.668,389	219.747,509	14,025	13,562
13							63	44	82.994	15.024,112	204.079,120	13,583	13,121
14							64	45	81.680	14.390,645	189.055,008	13,137	12,675
15							65	46	80.264	13.762,601	174.664,363	12,691	12,228
16							66	47	78.716	13.136,049	160.901,762	12,249	11,786
17							67	48	77.060	12.515,464	147.765,713	11,807	11,344
18							68	49	75.250	11.894,324	135.250,249	11,371	10,908
19	0	99.139	59.208,984	1.697.015,045	28,661	28,199	69	50	73.294	11.275,129	123.355,924	10,941	10,478
20	1	98.683	57.359,285	1.637.806,061	28,553	28,091	70	51	71.226	10.663,765	112.080,795	10,510	10,048
21	2	98.572	55.761,703	1.580.446,776	28,343	27,880	71	52	69.003	10.054,388	101.417,030	10,087	9,624
22	3	98.475	54.216,024	1.524.685,073	28,122	27,660	72	53	66.628	9.448,495	91.362,642	9,670	9,207
23	4	98.384	52.716,154	1.470.469,049	27,894	27,431	73	54	64.079	8.843,870	81.914,147	9,262	8,799
24	5	98.299	51.260,610	1.417.752,895	27,658	27,195	74	55	61.380	8.244,572	73.070,276	8,863	8,400
25	6	98.215	49.845,956	1.366.492,285	27,414	26,951	75	56	58.551	7.654,157	64.825,705	8,469	8,007
26	7	98.134	48.471,928	1.316.646,329	27,163	26,700	76	57	55.620	7.076,355	57.171,548	8,079	7,616
27	8	98.055	47.136,782	1.268.174,401	26,904	26,441	77	58	52.609	6.514,197	50.095,192	7,690	7,227
28	9	97.975	45.838,006	1.221.037,619	26,638	26,175	78	59	49.490	5.963,973	43.580,995	7,307	6,845
29	10	97.897	44.575,527	1.175.199,613	26,364	25,901	79	60	46.250	5.424,295	37.617,022	6,935	6,472
30	11	97.820	43.348,349	1.130.624,086	26,082	25,619	80	61	42.932	4.900,443	32.192,727	6,569	6,107
31	12	97.739	42.153,400	1.087.275,736	25,793	25,330	81	62	39.518	4.389,997	27.292,283	6,217	5,754
32	13	97.654	40.989,329	1.045.122,336	25,497	25,035	82	63	36.045	3.897,032	22.902,286	5,877	5,414
33	14	97.564	39.855,747	1.004.133,007	25,194	24,731	83	64	32.439	3.413,356	19.005,254	5,568	5,105
34	15	97.467	38.750,506	964.277,261	24,884	24,421	84	65	28.921	2.961,687	15.591,898	5,265	4,802
35	16	97.357	37.670,637	925.526,754	24,569	24,106	85	66	25.522	2.543,645	12.630,211	4,965	4,503
36	17	97.234	36.616,297	887.856,118	24,248	23,785	86	67	22.352	2.168,077	10.086,566	4,652	4,189
37	18	97.103	35.588,239	851.239,821	23,919	23,456	87	68	19.194	1.811,935	7.918,489	4,370	3,907
38	19	96.958	34.583,962	815.651,582	23,585	23,122	88	69	16.125	1.481,478	6.106,554	4,122	3,659
39	20	96.798	33.602,660	781.067,620	23,244	22,781	89	70	13.285	1.187,853	4.625,076	3,894	3,431
40	21	96.618	32.642,600	747.464,960	22,898	22,436	90	71	10.741	934,728	3.437,223	3,677	3,214
41	22	96.428	31.706,482	714.822,360	22,545	22,082	91	72	8.517	721,329	2.502,495	3,469	3,006
42	23	96.219	30.790,931	683.115,878	22,186	21,723	92	73	6.584	542,737	1.781,167	3,282	2,819
43	24	95.981	29.892,949	652.324,947	21,822	21,359	93	74	4.967	398,480	1.238,430	3,108	2,645
44	25	95.718	29.012,989	622.431,998	21,454	20,991	94	75	3.652	285,127	839,950	2,946	2,483
45	26	95.438	28.153,803	593.419,009	21,078	20,615	95	76	2.611	198,432	554,823	2,796	2,333
46	27	95.117	27.308,335	565.265,206	20,699	20,237	96	77	1.814	134,171	356,391	2,656	2,193
47	28	94.767	26.479,525	537.956,871	20,316	19,853	97	78	1.222	87,984	222,220	2,526	2,063
48	29	94.384	25.666,617	511.477,347	19,928	19,465	98	79	797	55,832	134,236	2,404	1,941
49	30	93.971	24.870,415	485.810,730	19,534	19,071	99	80	502	34,226	78,405	2,291	1,828
							100	81	305	20,208	44,179	2,186	1,723

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 20 Jahre

Zinsfuß 2,75%

Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	30	93.549	24.096,144	461.820,245	19,166	18,703
1							51	31	93.055	23.327,386	437.724,101	18,764	18,302
2							52	32	92.540	22.577,365	414.396,715	18,355	17,892
3							53	33	91.964	21.836,468	391.819,350	17,943	17,481
4							54	34	91.350	21.110,017	369.982,882	17,526	17,064
5							55	35	90.687	20.395,960	348.872,865	17,105	16,642
6							56	36	89.962	19.691,411	328.476,905	16,681	16,218
7							57	37	89.207	19.003,555	308.785,494	16,249	15,786
8							58	38	88.381	18.323,668	289.781,939	15,815	15,352
9							59	39	87.477	17.650,946	271.458,271	15,379	14,916
10							60	40	86.489	16.984,367	253.807,325	14,944	14,481
11							61	41	85.441	16.329,481	236.822,957	14,503	14,040
12							62	42	84.331	15.686,030	220.493,477	14,057	13,594
13							63	43	83.101	15.043,639	204.807,446	13,614	13,151
14							64	44	81.794	14.410,705	189.763,807	13,168	12,705
15							65	45	80.391	13.784,463	175.353,102	12,721	12,258
16							66	46	78.858	13.159,683	161.568,639	12,278	11,815
17							67	47	77.210	12.539,850	148.408,956	11,835	11,372
18							68	48	75.409	11.919,593	135.869,106	11,399	10,936
19							69	49	73.471	11.302,330	123.949,513	10,967	10,504
20	0	99.059	57.577,905	1.639.113,692	28,468	28,005	70	50	71.406	10.690,777	112.647,182	10,537	10,074
21	1	98.608	55.781,681	1.581.535,788	28,352	27,889	71	51	69.195	10.082,389	101.956,405	10,112	9,650
22	2	98.495	54.226,745	1.525.754,107	28,137	27,674	72	52	66.830	9.477,147	91.874,016	9,694	9,231
23	3	98.401	52.725,204	1.471.527,362	27,909	27,447	73	53	64.282	8.871,884	82.396,869	9,287	8,825
24	4	98.311	51.267,231	1.418.802,158	27,675	27,212	74	54	61.594	8.273,348	73.524,986	8,887	8,424
25	5	98.227	49.852,473	1.367.534,927	27,432	26,969	75	55	58.774	7.683,252	65.251,637	8,493	8,030
26	6	98.143	48.476,395	1.317.682,454	27,182	26,719	76	56	55.844	7.104,880	57.568,385	8,103	7,640
27	7	98.063	47.140,888	1.269.206,059	26,924	26,461	77	57	52.845	6.543,401	50.463,505	7,712	7,249
28	8	97.985	45.842,407	1.222.065,171	26,658	26,195	78	58	49.730	5.992,832	43.920,104	7,329	6,866
29	9	97.903	44.578,407	1.176.222,764	26,385	25,923	79	59	46.486	5.452,012	37.927,272	6,957	6,494
30	10	97.828	43.351,995	1.131.644,357	26,104	25,641	80	60	43.170	4.927,566	32.475,260	6,591	6,128
31	11	97.748	42.157,354	1.088.292,362	25,815	25,352	81	61	39.741	4.414,841	27.547,694	6,240	5,777
32	12	97.662	40.992,810	1.046.135,008	25,520	25,057	82	62	36.273	3.921,711	23.132,853	5,899	5,436
33	13	97.574	39.859,609	1.005.142,198	25,217	24,754	83	63	32.662	3.436,732	19.211,142	5,590	5,127
34	14	97.479	38.755,022	965.282,589	24,907	24,444	84	64	29.134	2.983,505	15.774,410	5,287	4,824
35	15	97.374	37.677,368	926.527,567	24,591	24,128	85	65	25.732	2.564,591	12.790,905	4,988	4,525
36	16	97.255	36.624,053	888.850,199	24,270	23,807	86	66	22.556	2.187,892	10.226,314	4,674	4,211
37	17	97.125	35.596,071	852.226,146	23,942	23,479	87	67	19.391	1.830,542	8.038,422	4,391	3,928
38	18	96.986	34.593,911	816.630,075	23,606	23,143	88	68	16.311	1.498,619	6.207,880	4,142	3,680
39	19	96.825	33.611,977	782.036,164	23,267	22,804	89	69	13.456	1.203,204	4.709,261	3,914	3,451
40	20	96.649	32.652,914	748.424,187	22,921	22,458	90	70	10.896	948,205	3.506,058	3,698	3,235
41	21	96.452	31.714,242	715.771,273	22,569	22,107	91	71	8.657	733,216	2.557,852	3,489	3,026
42	22	96.245	30.799,270	684.057,032	22,210	21,747	92	72	6.705	552,701	1.824,637	3,301	2,838
43	23	96.007	29.900,750	653.257,762	21,848	21,385	93	73	5.071	406,767	1.271,935	3,127	2,664
44	24	95.744	29.020,874	623.357,012	21,480	21,017	94	74	3.737	291,768	865,168	2,965	2,502
45	25	95.461	28.160,732	594.336,138	21,105	20,642	95	75	2.681	203,713	573,400	2,815	2,352
46	26	95.144	27.315,982	566.175,406	20,727	20,264	96	76	1.868	138,171	369,687	2,676	2,213
47	27	94.794	26.487,244	538.859,424	20,344	19,881	97	77	1.264	90,942	231,516	2,546	2,083
48	28	94.412	25.674,238	512.372,180	19,957	19,494	98	78	828	57,981	140,573	2,424	1,962
49	29	93.998	24.877,697	486.697,942	19,564	19,101	99	79	524	35,728	82,593	2,312	1,849
							100	80	320	21,243	46,864	2,206	1,743

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 21 Jahre

Zinsfuß 2,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	29	93.576	24.103,199	462.625,783	19,194	18,731
1							51	30	93.085	23.335,027	438.522,584	18,792	18,330
2							52	31	92.573	22.585,433	415.187,557	18,383	17,920
3							53	32	91.997	21.844,235	392.602,124	17,973	17,510
4							54	33	91.386	21.118,455	370.757,889	17,556	17,093
5							55	34	90.729	20.405,527	349.639,434	17,135	16,672
6							56	35	90.008	19.701,497	329.233,907	16,711	16,248
7							57	36	89.258	19.014,307	309.532,410	16,279	15,816
8							58	37	88.435	18.334,911	290.518,103	15,845	15,382
9							59	38	87.539	17.663,302	272.183,192	15,410	14,947
10							60	39	86.558	16.997,970	254.519,890	14,974	14,511
11							61	40	85.515	16.343,699	237.521,920	14,533	14,070
12							62	41	84.414	15.701,551	221.178,220	14,086	13,624
13							63	42	83.195	15.060,577	205.476,669	13,643	13,181
14							64	43	81.900	14.429,435	190.416,092	13,196	12,734
15							65	44	80.503	13.803,678	175.986,657	12,749	12,286
16							66	45	78.983	13.180,588	162.182,979	12,305	11,842
17							67	46	77.349	12.562,412	149.002,391	11,861	11,398
18							68	47	75.556	11.942,818	136.439,980	11,424	10,962
19							69	48	73.627	11.326,342	124.497,162	10,992	10,529
20							70	49	71.579	10.716,569	113.170,820	10,560	10,098
21	0	98.983	55.994,287	1.582.750,019	28,266	27,803	71	50	69.370	10.107,928	102.454,251	10,136	9,673
22	1	98.530	54.246,173	1.526.755,732	28,145	27,682	72	51	67.016	9.503,540	92.346,323	9,717	9,254
23	2	98.421	52.735,630	1.472.509,559	27,922	27,460	73	52	64.477	8.898,786	82.842,783	9,309	8,847
24	3	98.328	51.276,033	1.419.773,929	27,689	27,226	74	53	61.789	8.299,555	73.943,996	8,909	8,447
25	4	98.240	49.858,913	1.368.497,896	27,447	26,985	75	54	58.979	7.710,070	65.644,442	8,514	8,051
26	5	98.156	48.482,733	1.318.638,984	27,198	26,735	76	55	56.056	7.131,887	57.934,372	8,123	7,660
27	6	98.072	47.145,232	1.270.156,251	26,941	26,479	77	56	53.058	6.569,777	50.802,485	7,733	7,270
28	7	97.993	45.846,399	1.223.011,019	26,676	26,213	78	57	49.953	6.019,699	44.232,708	7,348	6,885
29	8	97.913	44.582,687	1.177.164,619	26,404	25,941	79	58	46.711	5.478,394	38.213,009	6,975	6,512
30	9	97.835	43.354,796	1.132.581,932	26,124	25,661	80	59	43.390	4.952,745	32.734,615	6,609	6,147
31	10	97.757	42.160,899	1.089.227,136	25,835	25,372	81	60	39.961	4.439,276	27.781,870	6,258	5,795
32	11	97.671	40.996,655	1.047.066,237	25,540	25,077	82	61	36.478	3.943,904	23.342,595	5,919	5,456
33	12	97.582	39.862,994	1.006.069,582	25,238	24,775	83	62	32.868	3.458,496	19.398,690	5,609	5,146
34	13	97.488	38.758,777	966.206,588	24,929	24,466	84	63	29.334	3.003,937	15.940,194	5,306	4,844
35	14	97.386	37.681,759	927.447,810	24,613	24,150	85	64	25.922	2.583,483	12.936,257	5,007	4,544
36	15	97.272	36.630,598	889.766,051	24,290	23,827	86	65	22.742	2.205,908	10.352,773	4,693	4,230
37	16	97.145	35.603,611	853.135,453	23,962	23,499	87	66	19.568	1.847,272	8.146,865	4,410	3,947
38	17	97.007	34.601,524	817.531,843	23,627	23,164	88	67	16.479	1.514,008	6.299,593	4,161	3,698
39	18	96.852	33.621,647	782.930,319	23,286	22,824	89	68	13.612	1.217,125	4.785,584	3,932	3,469
40	19	96.675	32.661,968	749.308,672	22,941	22,478	90	69	11.037	960,459	3.568,460	3,715	3,253
41	20	96.482	31.724,262	716.646,704	22,590	22,127	91	70	8.782	743,787	2.608,001	3,506	3,044
42	21	96.268	30.806,807	684.922,442	22,233	21,770	92	71	6.816	561,810	1.864,213	3,318	2,855
43	22	96.033	29.908,848	654.115,635	21,870	21,407	93	72	5.164	414,235	1.302,404	3,144	2,681
44	23	95.769	29.028,447	624.206,787	21,503	21,040	94	73	3.815	297,836	888,168	2,982	2,519
45	24	95.487	28.168,385	595.178,340	21,129	20,666	95	74	2.743	208,458	590,332	2,832	2,369
46	25	95.167	27.322,705	567.009,955	20,752	20,290	96	75	1.918	141,849	381,874	2,692	2,229
47	26	94.821	26.494,661	539.687,250	20,370	19,907	97	76	1.301	93,653	240,025	2,563	2,100
48	27	94.439	25.681,722	513.192,589	19,983	19,520	98	77	856	59,930	146,372	2,442	1,980
49	28	94.026	24.885,083	487.510,867	19,590	19,128	99	78	544	37,104	86,442	2,330	1,867
							100	79	334	22,175	49,338	2,225	1,762

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 22 Jahre

Zinsfuß 2,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	28	93.604	24.110,356	463.363,880	19,218	18,756
1							51	29	93.113	23.341,859	439.253,524	18,818	18,355
2							52	30	92.603	22.592,830	415.911,665	18,409	17,946
3							53	31	92.030	21.852,041	393.318,835	17,999	17,536
4							54	32	91.419	21.125,967	371.466,794	17,583	17,121
5							55	33	90.766	20.413,684	350.340,827	17,162	16,699
6							56	34	90.050	19.710,738	329.927,143	16,738	16,276
7							57	35	89.303	19.024,047	310.216,406	16,307	15,844
8							58	36	88.485	18.345,285	291.192,359	15,873	15,410
9							59	37	87.592	17.674,140	272.847,074	15,438	14,975
10							60	38	86.619	17.009,869	255.172,934	15,001	14,539
11							61	39	85.583	16.356,789	238.163,066	14,561	14,098
12							62	40	84.488	15.715,223	221.806,277	14,114	13,651
13							63	41	83.277	15.075,479	206.091,053	13,671	13,208
14							64	42	81.993	14.445,682	191.015,574	13,223	12,760
15							65	43	80.608	13.821,619	176.569,893	12,775	12,312
16							66	44	79.093	13.198,961	162.748,274	12,330	11,868
17							67	45	77.472	12.582,368	149.549,313	11,886	11,423
18							68	46	75.692	11.964,305	136.966,946	11,448	10,985
19							69	47	73.770	11.348,410	125.002,640	11,015	10,552
20							70	48	71.731	10.739,336	113.654,230	10,583	10,120
21							71	49	69.537	10.132,314	102.914,894	10,157	9,694
22	0	98.906	54.452,927	1.527.883,938	28,059	27,596	72	50	67.186	9.527,613	92.782,581	9,738	9,275
23	1	98.456	52.754,524	1.473.431,010	27,930	27,467	73	51	64.657	8.923,569	83.254,968	9,330	8,867
24	2	98.348	51.286,172	1.420.676,486	27,701	27,238	74	52	61.976	8.324,722	74.331,398	8,929	8,466
25	3	98.257	49.867,472	1.369.390,314	27,461	26,998	75	53	59.166	7.734,492	66.006,676	8,534	8,071
26	4	98.168	48.488,995	1.319.522,842	27,213	26,750	76	54	56.252	7.156,780	58.272,185	8,142	7,679
27	5	98.085	47.151,396	1.271.033,846	26,956	26,494	77	55	53.260	6.594,750	51.115,405	7,751	7,288
28	6	98.002	45.850,624	1.223.882,450	26,693	26,230	78	56	50.154	6.043,964	44.520,654	7,366	6,903
29	7	97.921	44.586,570	1.178.031,826	26,421	25,958	79	57	46.920	5.502,954	38.476,690	6,992	6,529
30	8	97.844	43.358,959	1.133.445,256	26,141	25,678	80	58	43.600	4.976,711	32.973,736	6,626	6,163
31	9	97.763	42.163,623	1.090.086,298	25,854	25,391	81	59	40.166	4.461,959	27.997,026	6,275	5,812
32	10	97.680	41.000,103	1.047.922,674	25,559	25,096	82	60	36.680	3.965,733	23.535,066	5,935	5,472
33	11	97.591	39.866,733	1.006.922,571	25,257	24,794	83	61	33.054	3.478,068	19.569,333	5,626	5,164
34	12	97.497	38.762,069	967.055,838	24,949	24,486	84	62	29.519	3.022,961	16.091,265	5,323	4,860
35	13	97.395	37.685,411	928.293,769	24,633	24,170	85	63	26.099	2.601,176	13.068,304	5,024	4,561
36	14	97.284	36.634,867	890.608,358	24,310	23,848	86	64	22.909	2.222,159	10.467,128	4,710	4,248
37	15	97.163	35.609,973	853.973,492	23,981	23,518	87	65	19.729	1.862,484	8.244,970	4,427	3,964
38	16	97.028	34.608,853	818.363,519	23,646	23,183	88	66	16.630	1.527,846	6.382,486	4,177	3,715
39	17	96.874	33.629,046	783.754,665	23,306	22,843	89	67	13.752	1.229,624	4.854,640	3,948	3,485
40	18	96.703	32.671,364	750.125,620	22,960	22,497	90	68	11.165	971,571	3.625,017	3,731	3,268
41	19	96.509	31.733,059	717.454,256	22,609	22,146	91	69	8.896	753,399	2.653,445	3,522	3,059
42	20	96.299	30.816,541	685.721,197	22,252	21,789	92	70	6.914	569,910	1.900,046	3,334	2,871
43	21	96.056	29.916,167	654.904,656	21,891	21,429	93	71	5.249	421,062	1.330,136	3,159	2,696
44	22	95.795	29.036,309	624.988,489	21,524	21,062	94	72	3.885	303,304	909,074	2,997	2,534
45	23	95.512	28.175,736	595.952,180	21,151	20,688	95	73	2.800	212,793	605,770	2,847	2,384
46	24	95.193	27.330,130	567.776,444	20,775	20,312	96	74	1.963	145,153	392,976	2,707	2,245
47	25	94.844	26.501,182	540.446,314	20,393	19,930	97	75	1.336	96,146	247,824	2,578	2,115
48	26	94.466	25.688,914	513.945,132	20,006	19,544	98	76	881	61,717	151,677	2,458	1,995
49	27	94.054	24.892,338	488.256,218	19,615	19,152	99	77	563	38,351	89,960	2,346	1,883
							100	78	347	23,029	51,609	2,241	1,778

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 23 Jahre

Zinsfuß 2,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	27	93.631	24.117,385	464.040,624	19,241	18,778
1							51	28	93.140	23.348,789	439.923,239	18,841	18,379
2							52	29	92.630	22.599,445	416.574,450	18,433	17,970
3							53	30	92.060	21.859,198	393.975,005	18,023	17,560
4							54	31	91.451	21.133,516	372.115,807	17,608	17,145
5							55	32	90.798	20.420,945	350.982,291	17,187	16,725
6							56	33	90.086	19.718,617	330.561,346	16,764	16,301
7							57	34	89.345	19.032,970	310.842,729	16,332	15,869
8							58	35	88.531	18.354,682	291.809,759	15,898	15,436
9							59	36	87.642	17.684,140	273.455,078	15,463	15,000
10							60	37	86.672	17.020,306	255.770,938	15,027	14,565
11							61	38	85.643	16.368,239	238.750,632	14,586	14,123
12							62	39	84.555	15.727,810	222.382,393	14,139	13,677
13							63	40	83.350	15.088,606	206.654,584	13,696	13,233
14							64	41	82.074	14.459,975	191.565,978	13,248	12,785
15							65	42	80.699	13.837,181	177.106,003	12,799	12,336
16							66	43	79.196	13.216,116	163.268,822	12,354	11,891
17							67	44	77.580	12.599,907	150.052,706	11,909	11,446
18							68	45	75.813	11.983,311	137.452,800	11,470	11,008
19							69	46	73.903	11.368,828	125.469,489	11,036	10,573
20							70	47	71.871	10.760,260	114.100,660	10,604	10,141
21							71	48	69.685	10.153,839	103.340,400	10,177	9,715
22							72	49	67.348	9.550,599	93.186,561	9,757	9,294
23	0	98.831	52.955,593	1.474.479,928	27,844	27,381	73	50	64.820	8.946,173	83.635,962	9,349	8,886
24	1	98.383	51.304,547	1.421.524,335	27,708	27,245	74	51	62.149	8.347,906	74.689,789	8,947	8,484
25	2	98.276	49.877,334	1.370.219,788	27,472	27,009	75	52	59.345	7.757,946	66.341,883	8,551	8,089
26	3	98.185	48.497,320	1.320.342,454	27,225	26,762	76	53	56.430	7.179,449	58.583,937	8,160	7,697
27	4	98.098	47.157,487	1.271.845,135	26,970	26,507	77	54	53.446	6.617,769	51.404,488	7,768	7,305
28	5	98.015	45.856,619	1.224.687,648	26,707	26,244	78	55	50.345	6.066,938	44.786,719	7,382	6,919
29	6	97.930	44.590,679	1.178.831,029	26,437	25,974	79	56	47.109	5.525,136	38.719,781	7,008	6,545
30	7	97.852	43.362,735	1.134.240,350	26,157	25,694	80	57	43.796	4.999,022	33.194,645	6,640	6,177
31	8	97.772	42.167,671	1.090.877,615	25,870	25,407	81	58	40.360	4.483,551	28.195,623	6,289	5,826
32	9	97.686	41.002,752	1.048.709,944	25,577	25,114	82	59	36.868	3.985,997	23.712,072	5,949	5,486
33	10	97.599	39.870,086	1.007.707,192	25,275	24,812	83	60	33.237	3.497,319	19.726,075	5,640	5,178
34	11	97.506	38.765,705	967.837,106	24,966	24,504	84	61	29.686	3.040,068	16.228,757	5,338	4,875
35	12	97.403	37.688,611	929.071,401	24,651	24,188	85	62	26.264	2.617,649	13.188,689	5,038	4,576
36	13	97.293	36.638,417	891.382,790	24,329	23,866	86	63	23.066	2.237,377	10.571,040	4,725	4,262
37	14	97.174	35.614,123	854.744,374	24,000	23,537	87	64	19.875	1.876,204	8.333,663	4,442	3,979
38	15	97.045	34.615,038	819.130,250	23,664	23,201	88	65	16.766	1.540,427	6.457,459	4,192	3,729
39	16	96.894	33.636,169	784.515,213	23,324	22,861	89	66	13.877	1.240,862	4.917,032	3,963	3,500
40	17	96.724	32.678,554	750.879,044	22,978	22,515	90	67	11.279	981,549	3.676,171	3,745	3,282
41	18	96.537	31.742,187	718.200,490	22,626	22,163	91	68	8.998	762,116	2.694,622	3,536	3,073
42	19	96.325	30.825,086	686.458,303	22,269	21,807	92	69	7.003	577,275	1.932,506	3,348	2,885
43	20	96.086	29.925,619	655.633,217	21,909	21,446	93	70	5.324	427,133	1.355,231	3,173	2,710
44	21	95.818	29.043,415	625.707,597	21,544	21,081	94	71	3.949	308,303	928,098	3,010	2,548
45	22	95.538	28.183,366	596.664,182	21,171	20,708	95	72	2.852	216,700	619,795	2,860	2,397
46	23	95.218	27.337,263	568.480,816	20,795	20,332	96	73	2.004	148,171	403,095	2,720	2,258
47	24	94.870	26.508,384	541.143,553	20,414	19,951	97	74	1.367	98,386	254,924	2,591	2,128
48	25	94.489	25.695,237	514.635,169	20,028	19,566	98	75	905	63,360	156,538	2,471	2,008
49	26	94.080	24.899,309	488.939,933	19,637	19,174	99	76	579	39,495	93,178	2,359	1,896
							100	77	359	23,803	53,684	2,255	1,792

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 24 Jahre

Zinsfuß 2,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	26	93.658	24.124,138	464.661,387	19,261	18,798
1							51	27	93.167	23.355,596	440.537,248	18,862	18,399
2							52	28	92.658	22.606,155	417.181,652	18,454	17,992
3							53	29	92.087	21.865,598	394.575,498	18,045	17,583
4							54	30	91.481	21.140,438	372.709,899	17,630	17,167
5							55	31	90.830	20.428,242	351.569,461	17,210	16,747
6							56	32	90.118	19.725,631	331.141,219	16,787	16,325
7							57	33	89.381	19.040,578	311.415,588	16,355	15,893
8							58	34	88.572	18.363,291	292.375,011	15,922	15,459
9							59	35	87.687	17.693,198	274.011,720	15,487	15,024
10							60	36	86.721	17.029,935	256.318,522	15,051	14,588
11							61	37	85.696	16.378,282	239.288,587	14,610	14,147
12							62	38	84.615	15.738,819	222.910,304	14,163	13,700
13							63	39	83.417	15.100,690	207.171,485	13,719	13,257
14							64	40	82.145	14.472,566	192.070,795	13,271	12,809
15							65	41	80.779	13.850,872	177.598,229	12,822	12,359
16							66	42	79.285	13.230,996	163.747,357	12,376	11,913
17							67	43	77.681	12.616,283	150.516,360	11,930	11,468
18							68	44	75.918	12.000,015	137.900,077	11,492	11,029
19							69	45	74.020	11.386,888	125.900,062	11,057	10,594
20							70	46	72.000	10.779,620	114.513,174	10,623	10,160
21							71	47	69.821	10.173,623	103.733,554	10,196	9,734
22							72	48	67.491	9.570,889	93.559,930	9,775	9,313
23							73	49	64.977	8.967,756	83.989,042	9,366	8,903
24	0	98.758	51.500,089	1.422.500,112	27,621	27,158	74	50	62.306	8.369,052	75.021,286	8,964	8,501
25	1	98.312	49.895,203	1.371.000,023	27,478	27,015	75	51	59.510	7.779,551	66.652,234	8,568	8,105
26	2	98.204	48.506,910	1.321.104,820	27,235	26,773	76	52	56.601	7.201,220	58.872,683	8,175	7,713
27	3	98.115	47.165,582	1.272.597,910	26,981	26,519	77	53	53.615	6.638,731	51.671,463	7,783	7,321
28	4	98.028	45.862,542	1.225.432,327	26,720	26,257	78	54	50.520	6.088,114	45.032,732	7,397	6,934
29	5	97.943	44.596,509	1.179.569,785	26,450	25,987	79	55	47.288	5.546,139	38.944,618	7,022	6,559
30	6	97.861	43.366,731	1.134.973,276	26,172	25,709	80	56	43.972	5.019,172	33.398,480	6,654	6,191
31	7	97.781	42.171,344	1.091.606,545	25,885	25,422	81	57	40.541	4.503,651	28.379,307	6,301	5,839
32	8	97.695	41.006,688	1.049.435,201	25,592	25,129	82	58	37.046	4.005,285	23.875,656	5,961	5,498
33	9	97.606	39.872,662	1.008.428,513	25,291	24,828	83	59	33.407	3.515,189	19.870,372	5,653	5,190
34	10	97.514	38.768,965	968.555,851	24,983	24,520	84	60	29.851	3.056,894	16.355,183	5,350	4,887
35	11	97.413	37.692,146	929.786,886	24,668	24,205	85	61	26.413	2.632,463	13.298,289	5,052	4,589
36	12	97.301	36.641,528	892.094,740	24,347	23,884	86	62	23.212	2.251,546	10.665,826	4,737	4,274
37	13	97.183	35.617,574	855.453,211	24,018	23,555	87	63	20.011	1.889,053	8.414,281	4,454	3,991
38	14	97.057	34.619,072	819.835,637	23,682	23,219	88	64	16.890	1.551,775	6.525,227	4,205	3,742
39	15	96.912	33.642,180	785.216,565	23,340	22,877	89	65	13.992	1.251,080	4.973,453	3,975	3,513
40	16	96.745	32.685,476	751.574,386	22,994	22,531	90	66	11.382	990,520	3.722,373	3,758	3,295
41	17	96.558	31.749,173	718.888,910	22,643	22,180	91	67	9.091	769,943	2.731,854	3,548	3,085
42	18	96.353	30.833,954	687.139,737	22,285	21,822	92	68	7.084	583,954	1.961,911	3,360	2,897
43	19	96.113	29.933,917	656.305,783	21,925	21,462	93	69	5.393	432,653	1.377,957	3,185	2,722
44	20	95.849	29.052,591	626.371,866	21,560	21,097	94	70	4.006	312,748	945,304	3,023	2,560
45	21	95.561	28.190,264	597.319,275	21,189	20,726	95	71	2.899	220,271	632,556	2,872	2,409
46	22	95.244	27.344,666	569.129,011	20,813	20,350	96	72	2.040	150,892	412,285	2,732	2,270
47	23	94.895	26.515,302	541.784,345	20,433	19,970	97	73	1.395	100,432	261,393	2,603	2,140
48	24	94.515	25.702,219	515.269,043	20,048	19,585	98	74	926	64,836	160,962	2,483	2,020
49	25	94.103	24.905,437	489.566,824	19,657	19,194	99	75	595	40,546	96,126	2,371	1,908
							100	76	369	24,513	55,580	2,267	1,805

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 25 Jahre

Zinsfuß 2,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	25	93.681	24.130,076	465.230,487	19,280	18,817
1							51	26	93.194	23.362,136	441.100,411	18,881	18,418
2							52	27	92.685	22.612,745	417.738,275	18,474	18,011
3							53	28	92.114	21.872,091	395.125,530	18,065	17,602
4							54	29	91.508	21.146,628	373.253,440	17,651	17,188
5							55	30	90.860	20.434,933	352.106,812	17,231	16,768
6							56	31	90.151	19.732,680	331.671,879	16,808	16,345
7							57	32	89.413	19.047,351	311.939,200	16,377	15,914
8							58	33	88.607	18.370,631	292.891,849	15,943	15,481
9							59	34	87.728	17.701,497	274.521,218	15,508	15,046
10							60	35	86.765	17.038,658	256.819,721	15,073	14,610
11							61	36	85.744	16.387,549	239.781,063	14,632	14,169
12							62	37	84.667	15.748,476	223.393,514	14,185	13,722
13							63	38	83.475	15.111,261	207.645,038	13,741	13,278
14							64	39	82.211	14.484,157	192.533,777	13,293	12,830
15							65	40	80.849	13.862,933	178.049,620	12,844	12,381
16							66	41	79.364	13.244,088	164.186,687	12,397	11,934
17							67	42	77.768	12.630,488	150.942,599	11,951	11,488
18							68	43	76.017	12.015,612	138.312,111	11,511	11,048
19							69	44	74.124	11.402,761	126.296,499	11,076	10,613
20							70	45	72.114	10.796,744	114.893,738	10,642	10,179
21							71	46	69.947	10.191,928	104.096,994	10,214	9,751
22							72	47	67.622	9.589,537	93.905,066	9,792	9,330
23							73	48	65.115	8.986,807	84.315,530	9,382	8,919
24							74	49	62.457	8.389,242	75.328,722	8,979	8,516
25	0	98.686	50.085,374	1.371.908,276	27,391	26,929	75	50	59.661	7.799,257	66.939,480	8,583	8,120
26	1	98.240	48.524,289	1.321.822,902	27,240	26,778	76	51	56.759	7.221,275	59.140,223	8,190	7,727
27	2	98.134	47.174,909	1.273.298,613	26,991	26,528	77	52	53.778	6.658,862	51.918,948	7,797	7,334
28	3	98.045	45.870,416	1.226.123,703	26,730	26,267	78	53	50.680	6.107,399	45.260,086	7,411	6,948
29	4	97.956	44.602,269	1.180.253,288	26,462	25,999	79	54	47.454	5.565,497	39.152,687	7,035	6,572
30	5	97.874	43.372,401	1.135.651,019	26,184	25,721	80	55	44.139	5.038,251	33.587,190	6,666	6,204
31	6	97.790	42.175,230	1.092.278,618	25,899	25,436	81	56	40.704	4.521,804	28.548,939	6,314	5,851
32	7	97.704	41.010,260	1.050.103,388	25,606	25,143	82	57	37.212	4.023,241	24.027,135	5,972	5,509
33	8	97.615	39.876,490	1.009.093,128	25,305	24,843	83	58	33.569	3.532,199	20.003,894	5,663	5,200
34	9	97.520	38.771,470	969.216,638	24,998	24,535	84	59	30.003	3.072,514	16.471,695	5,361	4,898
35	10	97.421	37.695,316	930.445,167	24,683	24,220	85	60	26.559	2.647,032	13.399,181	5,062	4,599
36	11	97.311	36.644,965	892.749,851	24,362	23,899	86	61	23.344	2.264,288	10.752,149	4,749	4,286
37	12	97.192	35.620,599	856.104,886	24,034	23,571	87	62	20.137	1.901,016	8.487,861	4,465	4,002
38	13	97.066	34.622,426	820.484,287	23,698	23,235	88	63	17.006	1.562,402	6.586,845	4,216	3,753
39	14	96.923	33.646,100	785.861,861	23,357	22,894	89	64	14.095	1.260,296	5.024,443	3,987	3,524
40	15	96.762	32.691,317	752.215,760	23,010	22,547	90	65	11.476	998,676	3.764,147	3,769	3,306
41	16	96.578	31.755,898	719.524,444	22,658	22,195	91	66	9.174	776,979	2.765,471	3,559	3,096
42	17	96.374	30.840,739	687.768,546	22,301	21,838	92	67	7.157	589,951	1.988,491	3,371	2,908
43	18	96.141	29.942,528	656.927,806	21,940	21,477	93	68	5.456	437,659	1.398,541	3,196	2,733
44	19	95.875	29.060,647	626.985,278	21,575	21,112	94	69	4.058	316,789	960,882	3,033	2,570
45	20	95.591	28.199,171	597.924,631	21,204	20,741	95	70	2.941	223,447	644,093	2,883	2,420
46	21	95.267	27.351,358	569.725,460	20,830	20,367	96	71	2.074	153,378	420,645	2,743	2,280
47	22	94.921	26.522,483	542.374,102	20,450	19,987	97	72	1.421	102,275	267,267	2,613	2,150
48	23	94.539	25.708,927	515.851,620	20,065	19,602	98	73	945	66,184	164,991	2,493	2,030
49	24	94.129	24.912,205	490.142,692	19,675	19,212	99	74	609	41,490	98,808	2,381	1,919
							100	75	379	25,165	57,317	2,278	1,815

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 0 Jahre

Zinsfuß 3,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	0	100.000	100.000,000	2.956.806,461	29,568	29,105	50	50	91.638	20.903,257	358.755,033	17,163	16,699
1	1	99.166	96.277,484	2.856.806,461	29,673	29,209	51	51	90.953	20.142,836	337.851,776	16,773	16,310
2	2	99.090	93.402,060	2.760.528,977	29,555	29,092	52	52	90.231	19.400,804	317.708,940	16,376	15,913
3	3	99.051	90.645,429	2.667.126,918	29,424	28,961	53	53	89.431	18.668,653	298.308,135	15,979	15,516
4	4	99.016	87.974,114	2.576.481,488	29,287	28,824	54	54	88.588	17.954,110	279.639,482	15,575	15,112
5	5	98.990	85.389,277	2.488.507,375	29,143	28,680	55	55	87.680	17.252,598	261.685,372	15,168	14,705
6	6	98.963	82.880,022	2.403.118,098	28,995	28,532	56	56	86.694	16.561,758	244.432,774	14,759	14,296
7	7	98.942	80.449,249	2.320.238,076	28,841	28,378	57	57	85.670	15.889,405	227.871,016	14,341	13,878
8	8	98.922	78.089,621	2.239.788,827	28,682	28,219	58	58	84.550	15.224,869	211.981,611	13,923	13,460
9	9	98.900	75.798,875	2.161.699,205	28,519	28,056	59	59	83.341	14.570,055	196.756,742	13,504	13,041
10	10	98.885	73.579,499	2.085.900,330	28,349	27,886	60	60	82.046	13.925,839	182.186,687	13,083	12,619
11	11	98.867	71.423,688	2.012.320,831	28,174	27,711	61	61	80.675	13.294,436	168.260,847	12,656	12,193
12	12	98.844	69.326,866	1.940.897,144	27,996	27,533	62	62	79.258	12.680,427	154.966,411	12,221	11,758
13	13	98.822	67.293,131	1.871.570,278	27,812	27,349	63	63	77.698	12.068,837	142.285,984	11,790	11,326
14	14	98.800	65.318,337	1.804.277,146	27,623	27,160	64	64	76.054	11.469,444	130.217,147	11,353	10,890
15	15	98.770	63.396,773	1.738.958,810	27,430	26,967	65	65	74.307	10.879,501	118.747,703	10,915	10,452
16	16	98.729	61.524,752	1.675.562,036	27,234	26,771	66	66	72.409	10.292,880	107.868,202	10,480	10,017
17	17	98.670	59.697,245	1.614.037,284	27,037	26,574	67	67	70.380	9.713,102	97.575,322	10,046	9,583
18	18	98.599	57.916,368	1.554.340,039	26,838	26,374	68	68	68.173	9.134,396	87.862,220	9,619	9,156
19	19	98.496	56.170,675	1.496.423,671	26,641	26,177	69	69	65.800	8.559,665	78.727,824	9,198	8,734
20	20	98.389	54.475,608	1.440.252,997	26,438	25,975	70	70	63.288	7.993,053	70.168,159	8,779	8,315
21	21	98.283	52.832,037	1.385.777,389	26,230	25,767	71	71	60.609	7.431,783	62.175,107	8,366	7,903
22	22	98.182	51.240,482	1.332.945,351	26,014	25,550	72	72	57.749	6.874,814	54.743,324	7,963	7,500
23	23	98.081	49.697,074	1.281.704,870	25,790	25,327	73	73	54.711	6.323,498	47.868,510	7,570	7,107
24	24	97.983	48.201,244	1.232.007,796	25,560	25,096	74	74	51.518	5.780,987	41.545,012	7,186	6,723
25	25	97.886	46.750,664	1.183.806,552	25,322	24,858	75	75	48.208	5.251,992	35.764,025	6,810	6,346
26	26	97.790	45.344,633	1.137.055,888	25,076	24,613	76	76	44.787	4.737,173	30.512,034	6,441	5,978
27	27	97.693	43.980,115	1.091.711,255	24,823	24,360	77	77	41.321	4.243,265	25.774,861	6,074	5,611
28	28	97.594	42.656,170	1.047.731,139	24,562	24,099	78	78	37.788	3.767,492	21.531,596	5,715	5,252
29	29	97.494	41.371,033	1.005.074,969	24,294	23,831	79	79	34.179	3.308,387	17.764,104	5,369	4,906
30	30	97.396	40.126,052	963.703,936	24,017	23,554	80	80	30.561	2.872,008	14.455,717	5,033	4,570
31	31	97.293	38.916,126	923.577,884	23,733	23,269	81	81	26.911	2.455,392	11.583,709	4,718	4,254
32	32	97.182	37.739,325	884.661,758	23,441	22,978	82	82	23.325	2.066,172	9.128,318	4,418	3,955
33	33	97.068	36.597,086	846.922,433	23,142	22,679	83	83	19.770	1.700,235	7.062,145	4,154	3,690
34	34	96.944	35.485,798	810.325,348	22,835	22,372	84	84	16.483	1.376,280	5.361,910	3,896	3,433
35	35	96.806	34.403,190	774.839,550	22,522	22,059	85	85	13.487	1.093,321	3.985,630	3,645	3,182
36	36	96.655	33.349,119	740.436,360	22,203	21,739	86	86	10.885	856,674	2.892,309	3,376	2,913
37	37	96.491	32.322,948	707.087,241	21,876	21,412	87	87	8.491	648,806	2.035,635	3,138	2,674
38	38	96.316	31.324,369	674.764,293	21,541	21,078	88	88	6.365	472,212	1.386,829	2,937	2,474
39	39	96.116	30.348,858	643.439,923	21,201	20,738	89	89	4.613	332,263	914,618	2,753	2,289
40	40	95.891	29.395,954	613.091,065	20,856	20,393	90	90	3.223	225,367	582,355	2,584	2,121
41	41	95.642	28.465,824	583.695,111	20,505	20,042	91	91	2.173	147,526	356,988	2,420	1,957
42	42	95.366	27.556,955	555.229,286	20,148	19,685	92	92	1.390	91,632	209,462	2,286	1,823
43	43	95.049	26.665,294	527.672,332	19,789	19,326	93	93	851	54,438	117,830	2,164	1,701
44	44	94.691	25.791,026	501.007,038	19,426	18,962	94	94	497	30,856	63,392	2,054	1,591
45	45	94.305	24.937,891	475.216,012	19,056	18,593	95	95	276	16,645	32,536	1,955	1,491
46	46	93.866	24.098,763	450.278,121	18,685	18,221	96	96	146	8,524	15,891	1,864	1,401
47	47	93.379	23.275,564	426.179,359	18,310	17,847	97	97	73	4,133	7,367	1,782	1,319
48	48	92.848	22.469,159	402.903,795	17,931	17,468	98	98	34	1,893	3,234	1,708	1,245
49	49	92.273	21.679,603	380.434,636	17,548	17,085	99	99	15	0,817	1,340	1,641	1,177
							100	100	6	0,331	0,523	1,579	1,116

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -1 Jahr

Zinsfuß 3,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	1	99.620	99.620,306	2.951.553,637	29,628	29,165	50	51	91.406	20.850,442	354.791,779	17,016	16,553
1	2	99.130	96.243,003	2.851.933,330	29,633	29,169	51	52	90.701	20.086,895	333.941,337	16,625	16,162
2	3	99.071	93.383,593	2.755.690,327	29,509	29,046	52	53	89.958	19.342,152	313.854,442	16,226	15,763
3	4	99.034	90.629,870	2.662.306,734	29,376	28,912	53	54	89.148	18.609,706	294.512,290	15,826	15,363
4	5	99.003	87.962,751	2.571.676,864	29,236	28,773	54	55	88.280	17.891,661	275.902,584	15,421	14,958
5	6	98.977	85.378,115	2.483.714,113	29,091	28,628	55	56	87.348	17.187,265	258.010,923	15,012	14,549
6	7	98.954	82.872,385	2.398.335,998	28,940	28,477	56	57	86.346	16.495,267	240.823,658	14,600	14,136
7	8	98.934	80.442,243	2.315.463,613	28,784	28,321	57	58	85.288	15.818,489	224.328,391	14,181	13,718
8	9	98.912	78.082,125	2.235.021,370	28,624	28,161	58	59	84.143	15.151,552	208.509,901	13,762	13,298
9	10	98.894	75.793,977	2.156.939,245	28,458	27,995	59	60	82.917	14.495,984	193.358,349	13,339	12,876
10	11	98.876	73.573,312	2.081.145,268	28,287	27,823	60	61	81.594	13.849,188	178.862,365	12,915	12,452
11	12	98.858	71.416,990	2.007.571,956	28,111	27,647	61	62	80.221	13.219,624	165.013,177	12,482	12,019
12	13	98.835	69.320,978	1.936.154,967	27,930	27,467	62	63	78.759	12.600,630	151.793,554	12,047	11,583
13	14	98.813	67.286,611	1.866.833,989	27,745	27,281	63	64	77.170	11.986,747	139.192,923	11,612	11,149
14	15	98.788	65.310,726	1.799.547,377	27,554	27,090	64	65	75.498	11.385,570	127.206,176	11,173	10,709
15	16	98.752	63.385,446	1.734.236,652	27,360	26,897	65	66	73.700	10.790,644	115.820,606	10,733	10,270
16	17	98.708	61.511,722	1.670.851,205	27,163	26,700	66	67	71.753	10.199,662	105.029,962	10,297	9,834
17	18	98.649	59.684,111	1.609.339,483	26,964	26,501	67	68	69.665	9.614,368	94.830,300	9,863	9,400
18	19	98.570	57.899,712	1.549.655,372	26,764	26,301	68	69	67.393	9.029,921	85.215,932	9,437	8,974
19	20	98.468	56.155,104	1.491.755,661	26,565	26,102	69	70	64.960	8.450,459	76.186,011	9,016	8,552
20	21	98.358	54.458,401	1.435.600,557	26,361	25,898	70	71	62.388	7.879,443	67.735,552	8,596	8,133
21	22	98.259	52.819,111	1.381.142,156	26,149	25,685	71	72	59.626	7.311,296	59.856,109	8,187	7,724
22	23	98.155	51.226,609	1.328.323,044	25,930	25,467	72	73	56.707	6.750,868	52.544,813	7,783	7,320
23	24	98.056	49.684,107	1.277.096,436	25,704	25,241	73	74	53.596	6.194,673	45.793,945	7,392	6,929
24	25	97.957	48.188,148	1.227.412,328	25,471	25,008	74	75	50.345	5.649,401	39.599,272	7,009	6,546
25	26	97.861	46.739,160	1.179.224,180	25,230	24,767	75	76	46.958	5.115,820	33.949,871	6,636	6,173
26	27	97.762	45.331,939	1.132.485,019	25,024	24,519	76	77	43.490	4.600,040	28.834,050	6,268	5,805
27	28	97.664	43.967,298	1.087.153,081	24,726	24,263	77	78	39.976	4.105,221	24.234,010	5,903	5,440
28	29	97.565	42.643,509	1.043.185,783	24,463	24,000	78	79	36.388	3.627,861	20.128,790	5,548	5,085
29	30	97.465	41.358,924	1.000.542,274	24,192	23,728	79	80	32.741	3.169,216	16.500,929	5,207	4,743
30	31	97.365	40.112,914	959.183,350	23,912	23,449	80	81	29.072	2.732,100	13.331,713	4,880	4,416
31	32	97.259	38.902,225	919.070,436	23,625	23,162	81	82	25.411	2.318,519	10.599,614	4,572	4,108
32	33	97.147	37.725,905	880.168,211	23,331	22,867	82	83	21.818	1.932,648	8.281,095	4,285	3,822
33	34	97.029	36.582,462	842.442,306	23,029	22,565	83	84	18.353	1.578,400	6.348,447	4,022	3,559
34	35	96.898	35.469,162	805.859,843	22,720	22,257	84	85	15.158	1.265,680	4.770,047	3,769	3,306
35	36	96.756	34.385,577	770.390,682	22,404	21,941	85	86	12.316	998,393	3.504,367	3,510	3,047
36	37	96.600	33.330,261	736.005,105	22,082	21,619	86	87	9.787	770,309	2.505,973	3,253	2,790
37	38	96.432	32.303,127	702.674,844	21,753	21,289	87	88	7.490	572,326	1.735,664	3,033	2,569
38	39	96.248	31.302,458	670.371,716	21,416	20,953	88	89	5.528	410,103	1.163,338	2,837	2,373
39	40	96.039	30.324,571	639.069,259	21,074	20,611	89	90	3.929	283,013	753,235	2,661	2,198
40	41	95.807	29.370,380	608.744,687	20,726	20,263	90	91	2.696	188,528	470,222	2,494	2,031
41	42	95.548	28.437,686	579.374,307	20,373	19,910	91	92	1.766	119,879	281,694	2,350	1,887
42	43	95.259	27.525,962	550.936,621	20,015	19,552	92	93	1.105	72,812	161,815	2,222	1,759
43	44	94.926	26.630,682	523.410,659	19,654	19,191	93	94	660	42,244	89,003	2,107	1,644
44	45	94.559	25.755,125	496.779,977	19,289	18,825	94	95	376	23,354	46,759	2,002	1,539
45	46	94.155	24.898,339	471.024,853	18,918	18,455	95	96	203	12,271	23,405	1,907	1,444
46	47	93.697	24.055,482	446.126,514	18,546	18,083	96	97	104	6,113	11,134	1,821	1,358
47	48	93.198	23.230,301	422.071,032	18,169	17,706	97	98	51	2,880	5,021	1,743	1,280
48	49	92.651	22.421,526	398.840,731	17,788	17,325	98	99	23	1,280	2,141	1,673	1,209
49	50	92.051	21.627,426	376.419,205	17,405	16,941	99	100	10	0,535	0,861	1,609	1,145
							100	101	4	0,210	0,326	1,550	1,087

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -2 Jahre

Zinsfuß 3,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	2	99.585	99.584,628	2.946.305,931	29,586	29,123	50	52	91.153	20.792,535	350.537,523	16,859	16,396
1	3	99.111	96.223,974	2.846.721,303	29,584	29,121	51	53	90.427	20.026,168	329.744,987	16,466	16,002
2	4	99.054	93.367,564	2.750.497,329	29,459	28,996	52	54	89.674	19.281,078	309.718,819	16,063	15,600
3	5	99.021	90.618,165	2.657.129,765	29,322	28,859	53	55	88.838	18.544,977	290.437,741	15,661	15,198
4	6	98.990	87.951,253	2.566.511,600	29,181	28,718	54	56	87.945	17.823,908	271.892,764	15,254	14,791
5	7	98.968	85.370,247	2.478.560,347	29,033	28,570	55	57	86.998	17.118,263	254.068,856	14,842	14,379
6	8	98.945	82.865,168	2.393.190,100	28,881	28,417	56	58	85.961	16.421,648	236.950,594	14,429	13,966
7	9	98.924	80.434,521	2.310.324,932	28,723	28,260	57	59	84.877	15.742,313	220.528,946	14,009	13,545
8	10	98.906	78.077,080	2.229.890,411	28,560	28,097	58	60	83.715	15.074,525	204.786,633	13,585	13,122
9	11	98.886	75.787,603	2.151.813,331	28,393	27,929	59	61	82.461	14.416,195	189.712,108	13,160	12,696
10	12	98.867	73.566,412	2.076.025,728	28,220	27,757	60	62	81.135	13.771,254	175.295,913	12,729	12,266
11	13	98.849	71.410,924	2.002.459,316	28,041	27,578	61	63	79.716	13.136,434	161.524,660	12,296	11,833
12	14	98.826	69.314,262	1.931.048,391	27,859	27,396	62	64	78.223	12.514,923	148.388,226	11,857	11,394
13	15	98.801	67.278,771	1.861.734,130	27,672	27,209	63	65	76.605	11.899,090	135.873,303	11,419	10,956
14	16	98.771	65.299,057	1.794.455,359	27,481	27,017	64	66	74.882	11.292,580	123.974,213	10,978	10,515
15	17	98.732	63.372,023	1.729.156,302	27,286	26,823	65	67	73.032	10.692,918	112.681,632	10,538	10,075
16	18	98.687	61.498,189	1.665.784,280	27,087	26,623	66	68	71.024	10.095,982	101.988,715	10,102	9,639
17	19	98.620	59.666,946	1.604.286,091	26,887	26,424	67	69	68.868	9.504,403	91.892,733	9,668	9,205
18	20	98.543	57.883,662	1.544.619,145	26,685	26,222	68	70	66.533	8.914,715	82.388,329	9,242	8,779
19	21	98.437	56.137,367	1.486.735,483	26,484	26,021	69	71	64.037	8.330,348	73.473,614	8,820	8,357
20	22	98.334	54.445,077	1.430.598,117	26,276	25,813	70	72	61.377	7.751,699	65.143,266	8,404	7,941
21	23	98.233	52.804,811	1.376.153,040	26,061	25,598	71	73	58.551	7.179,480	57.391,567	7,994	7,531
22	24	98.130	51.213,243	1.323.348,229	25,840	25,377	72	74	55.552	6.613,336	50.212,086	7,593	7,129
23	25	98.029	49.670,609	1.272.134,985	25,611	25,148	73	75	52.376	6.053,672	43.598,750	7,202	6,739
24	26	97.932	48.176,291	1.222.464,376	25,375	24,912	74	76	49.040	5.502,926	37.545,078	6,823	6,360
25	27	97.834	46.726,075	1.174.288,085	25,131	24,668	75	77	45.598	4.967,726	32.042,152	6,450	5,987
26	28	97.734	45.318,728	1.127.562,010	24,881	24,417	76	78	42.075	4.450,389	27.074,426	6,084	5,620
27	29	97.635	43.954,248	1.082.243,282	24,622	24,159	77	79	38.495	3.953,072	22.624,037	5,723	5,260
28	30	97.537	42.631,027	1.038.289,035	24,355	23,892	78	80	34.857	3.475,250	18.670,964	5,373	4,909
29	31	97.433	41.345,382	995.658,008	24,081	23,618	79	81	31.146	3.014,830	15.195,714	5,040	4,577
30	32	97.330	40.098,586	954.312,626	23,799	23,336	80	82	27.451	2.579,802	12.180,884	4,722	4,258
31	33	97.224	38.888,392	914.214,040	23,509	23,045	81	83	23.769	2.168,686	9.601,082	4,427	3,964
32	34	97.109	37.710,831	875.325,648	23,212	22,748	82	84	20.254	1.794,158	7.432,396	4,143	3,679
33	35	96.983	36.565,312	837.614,817	22,907	22,444	83	85	16.878	1.451,557	5.638,238	3,884	3,421
34	36	96.849	35.451,003	801.049,505	22,596	22,133	84	86	13.842	1.155,788	4.186,680	3,622	3,159
35	37	96.702	34.366,133	765.598,502	22,278	21,814	85	87	11.074	897,741	3.030,892	3,376	2,913
36	38	96.541	33.309,823	731.232,369	21,952	21,489	86	88	8.634	679,507	2.133,151	3,139	2,676
37	39	96.365	32.280,531	697.922,547	21,621	21,157	87	89	6.505	497,050	1.453,645	2,925	2,461
38	40	96.171	31.277,407	665.642,016	21,282	20,819	88	90	4.709	349,316	956,595	2,738	2,275
39	41	95.955	30.298,189	634.364,608	20,937	20,474	89	91	3.287	236,751	607,279	2,565	2,102
40	42	95.713	29.341,348	604.066,419	20,588	20,124	90	92	2.191	153,198	370,528	2,419	1,955
41	43	95.440	28.405,703	574.725,071	20,233	19,770	91	93	1.403	95,257	217,330	2,282	1,818
42	44	95.135	27.490,233	546.319,368	19,873	19,410	92	94	857	56,502	122,073	2,160	1,697
43	45	94.793	26.593,612	518.829,135	19,510	19,046	93	95	500	31,973	65,570	2,051	1,588
44	46	94.409	25.714,277	492.235,523	19,142	18,679	94	96	277	17,217	33,597	1,951	1,488
45	47	93.986	24.853,622	466.521,247	18,771	18,308	95	97	146	8,800	16,380	1,861	1,398
46	48	93.515	24.008,702	441.667,625	18,396	17,933	96	98	73	4,259	7,580	1,780	1,316
47	49	93.000	23.181,055	417.658,922	18,017	17,554	97	99	34	1,947	3,321	1,706	1,242
48	50	92.428	22.367,564	394.477,868	17,636	17,173	98	100	15	0,838	1,374	1,638	1,175
49	51	91.818	21.572,781	372.110,304	17,249	16,786	99	101	6	0,339	0,535	1,577	1,114
							100	102	2	0,129	0,196	1,522	1,059

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -3 Jahre

Zinsfuß 3,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	3	99.565	99.564,939	2.940.701,839	29,536	29,072	50	53	90.877	20.729,675	345.981,542	16,690	16,227
1	4	99.094	96.207,458	2.841.136,900	29,531	29,068	51	54	90.141	19.962,934	325.251,867	16,293	15,830
2	5	99.041	93.355,505	2.744.929,443	29,403	28,940	52	55	89.362	19.214,014	305.288,933	15,889	15,426
3	6	99.008	90.606,319	2.651.573,937	29,265	28,802	53	56	88.502	18.474,750	286.074,919	15,485	15,021
4	7	98.981	87.943,148	2.560.967,618	29,121	28,657	54	57	87.592	17.752,350	267.600,169	15,074	14,611
5	8	98.959	85.362,812	2.473.024,470	28,971	28,508	55	58	86.609	17.041,862	249.847,819	14,661	14,198
6	9	98.936	82.857,214	2.387.661,658	28,817	28,353	56	59	85.547	16.342,567	232.805,957	14,245	13,782
7	10	98.918	80.429,324	2.304.804,444	28,656	28,193	57	60	84.446	15.662,283	216.463,389	13,821	13,357
8	11	98.897	78.070,514	2.224.375,121	28,492	28,029	58	61	83.254	14.991,551	200.801,107	13,394	12,931
9	12	98.876	75.780,496	2.146.304,606	28,323	27,859	59	62	81.997	14.335,070	185.809,556	12,962	12,499
10	13	98.859	73.560,164	2.070.524,110	28,147	27,684	60	63	80.624	13.684,593	171.474,486	12,530	12,067
11	14	98.840	71.404,005	1.996.963,946	27,967	27,504	61	64	79.174	13.047,082	157.789,894	12,094	11,631
12	15	98.814	69.306,185	1.925.559,941	27,783	27,320	62	65	77.651	12.423,404	144.742,812	11,651	11,188
13	16	98.783	67.266,750	1.856.253,756	27,595	27,132	63	66	75.980	11.801,906	132.319,408	11,212	10,748
14	17	98.750	65.285,228	1.788.987,006	27,403	26,939	64	67	74.204	11.190,308	120.517,502	10,770	10,307
15	18	98.710	63.358,080	1.723.701,778	27,206	26,742	65	68	72.290	10.584,224	109.327,194	10,329	9,866
16	19	98.658	61.480,502	1.660.343,699	27,006	26,543	66	69	70.212	9.980,509	98.742,970	9,894	9,430
17	20	98.593	59.650,406	1.598.863,196	26,804	26,341	67	70	67.990	9.383,144	88.762,461	9,460	8,997
18	21	98.512	57.865,379	1.539.212,790	26,600	26,137	68	71	65.588	8.788,006	79.379,317	9,033	8,569
19	22	98.413	56.123,632	1.481.347,412	26,394	25,931	69	72	62.999	8.195,294	70.591,311	8,614	8,150
20	23	98.307	54.430,336	1.425.223,780	26,184	25,721	70	73	60.270	7.611,943	62.396,017	8,197	7,734
21	24	98.207	52.791,034	1.370.793,444	25,966	25,503	71	74	57.358	7.033,217	54.784,074	7,789	7,326
22	25	98.103	51.199,330	1.318.002,410	25,743	25,279	72	75	54.288	6.462,806	47.750,857	7,389	6,925
23	26	98.005	49.658,387	1.266.803,080	25,510	25,047	73	76	51.018	5.896,715	41.288,051	7,002	6,539
24	27	97.905	48.162,804	1.217.144,693	25,271	24,808	74	77	47.620	5.343,626	35.391,336	6,623	6,160
25	28	97.806	46.712,458	1.168.981,889	25,025	24,562	75	78	44.115	4.806,113	30.047,710	6,252	5,789
26	29	97.705	45.305,276	1.122.269,432	24,771	24,308	76	79	40.516	4.285,448	25.241,597	5,890	5,427
27	30	97.607	43.941,382	1.076.964,155	24,509	24,046	77	80	36.875	3.786,782	20.956,149	5,534	5,071
28	31	97.505	42.617,069	1.033.022,774	24,240	23,776	78	81	33.159	3.305,956	17.169,367	5,193	4,730
29	32	97.398	41.330,613	990.405,705	23,963	23,500	79	82	29.410	2.846,771	13.863,411	4,870	4,407
30	33	97.295	40.084,328	949.075,092	23,677	23,214	80	83	25.677	2.413,084	11.016,640	4,565	4,102
31	34	97.185	38.872,853	908.990,764	23,384	22,920	81	84	22.066	2.013,283	8.603,555	4,273	3,810
32	35	97.063	37.693,151	870.117,911	23,084	22,621	82	85	18.626	1.649,977	6.590,272	3,994	3,531
33	36	96.934	36.546,592	832.424,760	22,777	22,314	83	86	15.413	1.325,526	4.940,295	3,727	3,264
34	37	96.794	35.430,957	795.878,168	22,463	22,000	84	87	12.447	1.039,268	3.614,769	3,478	3,015
35	38	96.642	34.345,059	760.447,211	22,141	21,678	85	88	9.769	791,917	2.575,501	3,252	2,789
36	39	96.474	33.286,522	726.102,152	21,814	21,350	86	89	7.498	590,133	1.783,584	3,022	2,559
37	40	96.288	32.254,698	692.815,630	21,480	21,016	87	90	5.541	423,375	1.193,450	2,819	2,356
38	41	96.088	31.250,197	660.560,932	21,138	20,675	88	91	3.939	292,216	770,076	2,635	2,172
39	42	95.860	30.268,240	629.310,735	20,791	20,328	89	92	2.671	192,384	477,860	2,484	2,021
40	43	95.605	29.308,349	599.042,495	20,439	19,976	90	93	1.741	121,733	285,476	2,345	1,882
41	44	95.316	28.368,832	569.734,146	20,083	19,620	91	94	1.089	73,921	163,743	2,215	1,752
42	45	95.003	27.451,966	541.365,315	19,720	19,257	92	95	649	42,764	89,823	2,100	1,637
43	46	94.643	26.551,434	513.913,348	19,355	18,892	93	96	368	23,571	47,058	1,996	1,533
44	47	94.239	25.668,094	487.361,914	18,987	18,524	94	97	199	12,347	23,487	1,902	1,439
45	48	93.804	24.805,291	461.693,820	18,613	18,149	95	98	102	6,132	11,140	1,817	1,354
46	49	93.317	23.957,805	436.888,530	18,236	17,773	96	99	49	2,879	5,008	1,739	1,276
47	50	92.776	23.125,264	412.930,724	17,856	17,393	97	100	22	1,275	2,129	1,669	1,206
48	51	92.195	22.311,049	389.805,460	17,471	17,008	98	101	10	0,532	0,853	1,605	1,142
49	52	91.563	21.512,869	367.494,411	17,083	16,619	99	102	4	0,208	0,322	1,547	1,084
							100	103	1	0,076	0,114	1,495	1,032

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -4 Jahre

Zinsfuß 3,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	4	99.548	99.547,849	2.934.707,851	29,480	29,017	50	54	90.590	20.664,221	341.113,697	16,507	16,044
1	5	99.081	96.195,032	2.835.160,003	29,473	29,010	51	55	89.828	19.893,499	320.449,476	16,108	15,645
2	6	99.028	93.343,301	2.738.964,970	29,343	28,880	52	56	89.024	19.141,253	300.555,978	15,702	15,239
3	7	98.999	90.597,970	2.645.621,669	29,202	28,739	53	57	88.146	18.400,579	281.414,725	15,294	14,831
4	8	98.972	87.935,489	2.555.023,699	29,056	28,592	54	58	87.201	17.673,120	263.014,146	14,882	14,419
5	9	98.949	85.354,618	2.467.088,210	28,904	28,441	55	59	86.192	16.959,795	245.341,026	14,466	14,003
6	10	98.929	82.851,860	2.381.733,591	28,747	28,284	56	60	85.112	16.259,485	228.381,231	14,046	13,583
7	11	98.910	80.422,560	2.298.881,731	28,585	28,122	57	61	83.981	15.576,074	212.121,746	13,618	13,155
8	12	98.888	78.063,193	2.218.459,171	28,419	27,956	58	62	82.786	14.907,188	196.545,672	13,185	12,721
9	13	98.868	75.774,060	2.140.395,979	28,247	27,784	59	63	81.481	14.244,861	181.638,484	12,751	12,288
10	14	98.849	73.553,037	2.064.621,919	28,070	27,607	60	64	80.076	13.591,512	167.393,624	12,316	11,853
11	15	98.828	71.395,685	1.991.068,882	27,888	27,425	61	65	78.595	12.951,671	153.802,111	11,875	11,412
12	16	98.796	69.293,802	1.919.673,197	27,703	27,240	62	66	77.017	12.321,937	140.850,440	11,431	10,968
13	17	98.763	67.252,505	1.850.379,395	27,514	27,051	63	67	75.292	11.695,021	128.528,503	10,990	10,527
14	18	98.728	65.270,864	1.783.126,890	27,319	26,856	64	68	73.449	11.076,559	116.833,482	10,548	10,085
15	19	98.681	63.339,858	1.717.856,026	27,121	26,658	65	69	71.463	10.463,166	105.756,924	10,108	9,644
16	20	98.631	61.463,460	1.654.516,168	26,919	26,455	66	70	69.316	9.853,175	95.293,757	9,671	9,208
17	21	98.562	59.631,565	1.593.052,708	26,715	26,252	67	71	67.023	9.249,777	85.440,582	9,237	8,774
18	22	98.488	57.851,221	1.533.421,144	26,506	26,043	68	72	64.524	8.645,532	76.190,805	8,813	8,350
19	23	98.386	56.108,437	1.475.569,923	26,299	25,835	69	73	61.863	8.047,540	67.545,273	8,393	7,930
20	24	98.282	54.416,135	1.419.461,486	26,085	25,622	70	74	59.042	7.456,870	59.497,733	7,979	7,516
21	25	98.180	52.776,691	1.365.045,351	25,865	25,401	71	75	56.053	6.873,129	52.040,863	7,572	7,108
22	26	98.079	51.186,731	1.312.268,659	25,637	25,174	72	76	52.880	6.295,241	45.167,734	7,175	6,712
23	27	97.978	49.644,485	1.261.081,928	25,402	24,939	73	77	49.542	5.726,015	38.872,493	6,789	6,326
24	28	97.877	48.148,767	1.211.437,443	25,160	24,697	74	78	46.071	5.169,784	33.146,478	6,412	5,948
25	29	97.776	46.698,593	1.163.288,676	24,911	24,447	75	79	42.480	4.627,989	27.976,693	6,045	5,582
26	30	97.676	45.292,015	1.116.590,083	24,653	24,190	76	80	38.812	4.105,176	23.348,705	5,688	5,224
27	31	97.575	43.926,995	1.071.298,068	24,388	23,925	77	81	35.079	3.602,311	19.243,529	5,342	4,879
28	32	97.470	42.601,845	1.027.371,074	24,116	23,652	78	82	31.311	3.121,669	15.641,218	5,011	4,547
29	33	97.364	41.315,917	984.769,228	23,835	23,372	79	83	27.509	2.662,801	12.519,549	4,702	4,238
30	34	97.256	40.068,311	943.453,311	23,546	23,083	80	84	23.837	2.240,168	9.856,747	4,400	3,937
31	35	97.140	38.854,629	903.385,001	23,250	22,787	81	85	20.293	1.851,492	7.616,580	4,114	3,651
32	36	97.013	37.673,854	864.530,372	22,948	22,485	82	86	17.009	1.506,718	5.765,087	3,826	3,363
33	37	96.879	36.525,926	826.856,518	22,638	22,174	83	87	13.859	1.191,894	4.258,369	3,573	3,110
34	38	96.735	35.409,230	790.330,591	22,320	21,857	84	88	10.980	916,761	3.066,475	3,345	2,882
35	39	96.575	34.321,034	754.921,361	21,996	21,533	85	89	8.484	687,759	2.149,713	3,126	2,662
36	40	96.396	33.259,884	720.600,327	21,666	21,203	86	90	6.387	502,661	1.461,955	2,908	2,445
37	41	96.204	32.226,637	687.340,443	21,328	20,865	87	91	4.635	354,169	959,294	2,709	2,245
38	42	95.993	31.219,306	655.113,806	20,984	20,521	88	92	3.201	237,455	605,125	2,548	2,085
39	43	95.753	30.234,198	623.894,500	20,635	20,172	89	93	2.122	152,870	367,670	2,405	1,942
40	44	95.481	29.270,306	593.660,301	20,282	19,819	90	94	1.351	94,466	214,800	2,274	1,811
41	45	95.184	28.329,342	564.389,996	19,922	19,459	91	95	824	55,947	120,334	2,151	1,688
42	46	94.852	27.408,427	536.060,653	19,558	19,095	92	96	478	31,527	64,387	2,042	1,579
43	47	94.473	26.503,748	508.652,226	19,192	18,728	93	97	264	16,904	32,860	1,944	1,481
44	48	94.056	25.618,179	482.148,478	18,821	18,357	94	98	138	8,603	15,955	1,855	1,391
45	49	93.605	24.752,705	456.530,299	18,444	17,980	95	99	69	4,145	7,352	1,774	1,310
46	50	93.092	23.900,146	431.777,594	18,066	17,603	96	100	32	1,886	3,207	1,700	1,237
47	51	92.542	23.066,835	407.877,449	17,682	17,219	97	101	14	0,809	1,321	1,634	1,170
48	52	91.939	22.249,086	384.810,613	17,296	16,832	98	102	6	0,326	0,512	1,573	1,110
49	53	91.287	21.447,831	362.561,528	16,904	16,441	99	103	2	0,123	0,187	1,518	1,055
							100	104	1	0,043	0,064	1,469	1,005

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -5 Jahre

Zinsfuß 3,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	5	99.535	99.534,992	2.928.304,356	29,420	28,957	50	55	90.275	20.592,345	335.922,220	16,313	15,850
1	6	99.068	96.182,457	2.828.769,365	29,410	28,947	51	56	89.487	19.818,165	315.329,874	15,911	15,448
2	7	99.019	93.334,700	2.732.586,907	29,277	28,814	52	57	88.666	19.064,406	295.511,710	15,501	15,037
3	8	98.990	90.590,080	2.639.252,207	29,134	28,671	53	58	87.753	18.318,456	276.447,303	15,091	14,628
4	9	98.963	87.927,048	2.548.662,127	28,986	28,523	54	59	86.781	17.588,012	258.128,848	14,676	14,213
5	10	98.943	85.349,103	2.460.735,079	28,831	28,368	55	60	85.754	16.873,575	240.540,835	14,255	13,792
6	11	98.921	82.844,892	2.375.385,976	28,673	28,209	56	61	84.644	16.169,989	223.667,260	13,832	13,369
7	12	98.900	80.415,018	2.292.541,083	28,509	28,046	57	62	83.508	15.488,422	207.497,272	13,397	12,934
8	13	98.880	78.056,563	2.212.126,065	28,340	27,877	58	63	82.265	14.813,379	192.008,850	12,962	12,499
9	14	98.858	75.766,718	2.134.069,502	28,166	27,703	59	64	80.926	14.147,969	177.195,471	12,524	12,061
10	15	98.838	73.544,466	2.058.302,784	27,987	27,524	60	65	79.490	13.492,120	163.047,502	12,085	11,621
11	16	98.811	71.382,929	1.984.758,318	27,804	27,341	61	66	77.953	12.845,890	149.555,382	11,642	11,179
12	17	98.775	69.279,127	1.913.375,389	27,618	27,155	62	67	76.320	12.210,342	136.709,492	11,196	10,733
13	18	98.741	67.237,708	1.844.096,262	27,427	26,963	63	68	74.526	11.576,141	124.499,150	10,755	10,292
14	19	98.700	65.252,093	1.776.858,554	27,231	26,767	64	69	72.609	10.949,870	112.923,008	10,313	9,850
15	20	98.654	63.322,300	1.711.606,462	27,030	26,567	65	70	70.552	10.329,675	101.973,139	9,872	9,409
16	21	98.600	61.444,046	1.648.284,161	26,826	26,363	66	71	68.331	9.713,127	91.643,463	9,435	8,972
17	22	98.538	59.616,975	1.586.840,115	26,617	26,154	67	72	65.937	9.099,817	81.930,336	9,004	8,540
18	23	98.461	57.835,558	1.527.223,141	26,406	25,943	68	73	63.361	8.489,661	72.830,519	8,579	8,116
19	24	98.361	56.093,798	1.469.387,582	26,195	25,732	69	74	60.603	7.883,593	64.340,859	8,161	7,698
20	25	98.255	54.401,352	1.413.293,785	25,979	25,516	70	75	57.698	7.287,139	56.457,266	7,748	7,284
21	26	98.156	52.763,705	1.358.892,433	25,754	25,291	71	76	54.600	6.694,926	49.170,127	7,344	6,881
22	27	98.052	51.172,401	1.306.128,728	25,524	25,061	72	77	51.349	6.113,004	42.475,201	6,948	6,485
23	28	97.949	49.630,017	1.254.956,327	25,286	24,823	73	78	47.930	5.539,733	36.362,197	6,564	6,101
24	29	97.847	48.134,476	1.205.326,310	25,041	24,578	74	79	44.363	4.978,181	30.822,463	6,192	5,728
25	30	97.748	46.684,924	1.157.191,835	24,787	24,324	75	80	40.693	4.433,307	25.844,282	5,830	5,366
26	31	97.644	45.277,185	1.110.506,911	24,527	24,064	76	81	36.921	3.905,195	21.410,975	5,483	5,019
27	32	97.540	43.911,304	1.065.229,726	24,259	23,795	77	82	33.124	3.401,504	17.505,781	5,146	4,683
28	33	97.435	42.586,697	1.021.318,422	23,982	23,519	78	83	29.287	2.919,934	14.104,276	4,830	4,367
29	34	97.325	41.299,408	978.731,725	23,698	23,235	79	84	25.538	2.471,990	11.184,342	4,524	4,061
30	35	97.211	40.049,526	937.432,317	23,407	22,944	80	85	21.922	2.060,144	8.712,352	4,229	3,766
31	36	97.090	38.834,737	897.382,791	23,108	22,645	81	86	18.531	1.690,737	6.652,207	3,935	3,471
32	37	96.958	37.652,551	858.548,054	22,802	22,339	82	87	15.294	1.354,819	4.961,470	3,662	3,199
33	38	96.820	36.503,528	820.895,503	22,488	22,025	83	88	12.225	1.051,397	3.606,651	3,430	2,967
34	39	96.667	35.384,461	784.391,975	22,168	21,704	84	89	9.535	796,183	2.555,254	3,209	2,746
35	40	96.497	34.293,569	749.007,514	21,841	21,378	85	90	7.226	585,816	1.759,072	3,003	2,540
36	41	96.313	33.230,949	714.713,946	21,507	21,044	86	91	5.343	420,495	1.173,256	2,790	2,327
37	42	96.109	32.194,781	681.482,997	21,167	20,704	87	92	3.766	287,798	752,761	2,616	2,152
38	43	95.885	31.184,195	649.288,216	20,821	20,358	88	93	2.543	188,684	464,963	2,464	2,001
39	44	95.628	30.194,954	618.104,021	20,470	20,007	89	94	1.647	118,629	276,279	2,329	1,866
40	45	95.348	29.229,561	587.909,067	20,114	19,650	90	95	1.022	71,497	157,651	2,205	1,742
41	46	95.033	28.284,412	558.679,506	19,752	19,289	91	96	608	41,246	86,153	2,089	1,626
42	47	94.682	27.359,202	530.395,094	19,386	18,923	92	97	343	22,610	44,908	1,986	1,523
43	48	94.289	26.452,208	503.035,892	19,017	18,554	93	98	184	11,778	22,298	1,893	1,430
44	49	93.857	25.563,870	476.583,684	18,643	18,180	94	99	94	5,816	10,519	1,809	1,346
45	50	93.379	24.693,132	451.019,814	18,265	17,802	95	100	45	2,715	4,704	1,732	1,269
46	51	92.857	23.839,759	426.326,682	17,883	17,420	96	101	20	1,196	1,988	1,663	1,199
47	52	92.285	23.002,773	402.486,924	17,497	17,034	97	102	9	0,495	0,792	1,600	1,136
48	53	91.661	22.181,822	379.484,150	17,108	16,645	98	103	3	0,193	0,297	1,542	1,079
49	54	90.998	21.380,108	357.302,328	16,712	16,249	99	104	1	0,070	0,104	1,490	1,027
							100	105	0	0,024	0,034	1,443	0,980

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -6 Jahre

Zinsfuß 3,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	6	99.522	99.521,980	2.921.470,662	29,355	28,892	50	56	89.933	20.514,365	330.400,160	16,106	15,643
1	7	99.059	96.173,594	2.821.948,682	29,342	28,879	51	57	89.128	19.738,600	309.885,795	15,699	15,236
2	8	99.010	93.326,572	2.725.775,087	29,207	28,744	52	58	88.271	18.979,320	290.147,195	15,288	14,824
3	9	98.981	90.581,384	2.632.448,516	29,062	28,598	53	59	87.330	18.230,241	271.167,874	14,875	14,411
4	10	98.956	87.921,367	2.541.867,132	28,911	28,447	54	60	86.340	17.498,599	252.937,634	14,455	13,992
5	11	98.935	85.341,926	2.453.945,765	28,754	28,291	55	61	85.282	16.780,699	235.439,035	14,030	13,567
6	12	98.912	82.837,123	2.368.603,839	28,594	28,130	56	62	84.167	16.078,994	218.658,336	13,599	13,136
7	13	98.892	80.408,189	2.285.766,716	28,427	27,964	57	63	82.983	15.390,955	202.579,342	13,162	12,699
8	14	98.870	78.049,000	2.205.358,527	28,256	27,793	58	64	81.705	14.712,620	187.188,387	12,723	12,260
9	15	98.847	75.757,890	2.127.309,527	28,080	27,617	59	65	80.335	14.044,508	172.475,767	12,281	11,817
10	16	98.820	73.531,326	2.051.551,637	27,900	27,437	60	66	78.841	13.381,925	158.431,259	11,839	11,376
11	17	98.790	71.367,811	1.978.020,311	27,716	27,253	61	67	77.247	12.729,550	145.049,334	11,395	10,931
12	18	98.754	69.263,884	1.906.652,500	27,527	27,064	62	68	75.544	12.086,224	132.319,784	10,948	10,485
13	19	98.712	67.218,371	1.837.388,616	27,335	26,871	63	69	73.674	11.443,738	120.233,560	10,506	10,043
14	20	98.672	65.234,004	1.770.170,245	27,136	26,672	64	70	71.683	10.810,169	108.789,821	10,064	9,600
15	21	98.623	63.302,299	1.704.936,240	26,933	26,470	65	71	69.549	10.182,854	97.979,652	9,622	9,159
16	22	98.576	61.429,012	1.641.633,941	26,724	26,261	66	72	67.223	9.555,655	87.796,798	9,188	8,725
17	23	98.511	59.600,834	1.580.204,929	26,513	26,050	67	73	64.748	8.935,755	78.241,143	8,756	8,293
18	24	98.435	57.820,469	1.520.604,095	26,299	25,835	68	74	62.070	8.316,706	69.305,387	8,333	7,870
19	25	98.334	56.078,558	1.462.783,626	26,085	25,621	69	75	59.223	7.704,149	60.988,681	7,916	7,453
20	26	98.231	54.387,965	1.406.705,068	25,864	25,401	70	76	56.202	7.098,201	53.284,532	7,507	7,044
21	27	98.129	52.748,933	1.352.317,103	25,637	25,174	71	77	53.019	6.501,119	46.186,331	7,104	6,641
22	28	98.023	51.157,488	1.299.568,169	25,403	24,940	72	78	49.679	5.914,133	39.685,212	6,710	6,247
23	29	97.920	49.615,285	1.248.410,681	25,162	24,699	73	79	46.153	5.334,419	33.771,079	6,331	5,868
24	30	97.819	48.120,386	1.198.795,396	24,912	24,449	74	80	42.497	4.768,768	28.436,660	5,963	5,500
25	31	97.716	46.669,638	1.150.675,010	24,656	24,193	75	81	38.711	4.217,341	23.667,892	5,612	5,149
26	32	97.610	45.261,012	1.104.005,371	24,392	23,929	76	82	34.863	3.687,504	19.450,551	5,275	4,811
27	33	97.505	43.895,690	1.058.744,359	24,120	23,656	77	83	30.983	3.181,685	15.763,047	4,954	4,491
28	34	97.396	42.569,680	1.014.848,670	23,840	23,376	78	84	27.188	2.710,697	12.581,361	4,641	4,178
29	35	97.279	41.280,046	972.278,989	23,553	23,090	79	85	23.486	2.273,338	9.870,664	4,342	3,879
30	36	97.161	40.029,022	930.998,943	23,258	22,795	80	86	20.018	1.881,273	7.597,326	4,038	3,575
31	37	97.035	38.812,777	890.969,921	22,956	22,492	81	87	16.663	1.520,287	5.716,053	3,760	3,297
32	38	96.899	37.629,462	852.157,143	22,646	22,183	82	88	13.492	1.195,116	4.195,767	3,511	3,048
33	39	96.752	36.477,993	814.527,681	22,329	21,866	83	89	10.617	913,109	3.000,650	3,286	2,823
34	40	96.590	35.356,144	778.049,688	22,006	21,543	84	90	8.122	678,169	2.087,541	3,078	2,615
35	41	96.413	34.263,734	742.693,544	21,676	21,213	85	91	6.045	490,057	1.409,372	2,876	2,413
36	42	96.217	33.198,100	708.429,810	21,339	20,876	86	92	4.341	341,694	919,315	2,690	2,227
37	43	96.001	32.158,573	675.231,710	20,997	20,534	87	93	2.993	228,687	577,621	2,526	2,063
38	44	95.760	31.143,717	643.073,137	20,649	20,185	88	94	1.974	146,420	348,934	2,383	1,920
39	45	95.495	30.152,922	611.929,420	20,294	19,831	89	95	1.247	89,785	202,513	2,256	1,792
40	46	95.197	29.183,203	581.776,498	19,935	19,472	90	96	754	52,709	112,728	2,139	1,675
41	47	94.862	28.233,613	552.593,295	19,572	19,109	91	97	436	29,580	60,019	2,029	1,566
42	48	94.498	27.305,998	524.359,682	19,203	18,740	92	98	239	15,753	30,439	1,932	1,469
43	49	94.089	26.396,131	497.053,684	18,831	18,367	93	99	124	7,962	14,685	1,844	1,381
44	50	93.631	25.502,345	470.657,553	18,455	17,992	94	100	61	3,810	6,723	1,765	1,301
45	51	93.144	24.630,742	445.155,208	18,073	17,610	95	101	29	1,721	2,913	1,692	1,229
46	52	92.599	23.773,550	420.524,466	17,689	17,226	96	102	13	0,733	1,192	1,627	1,163
47	53	92.006	22.933,231	396.750,916	17,300	16,837	97	103	5	0,293	0,459	1,567	1,104
48	54	91.371	22.111,782	373.817,685	16,906	16,443	98	104	2	0,110	0,166	1,513	1,050
49	55	90.682	21.305,743	351.705,903	16,508	16,044	99	105	1	0,038	0,056	1,464	1,000
							100	106					

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -7 Jahre

Zinsfuß 3,00%

Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	7	99.513	99.512,810	2.914.191,253	29,285	28,821	50	57	89.572	20.432,006	324.541,310	15,884	15,421
1	8	99.050	96.165,219	2.814.678,443	29,269	28,806	51	58	88.730	19.650,505	304.109,305	15,476	15,013
2	9	99.001	93.317,613	2.718.513,224	29,132	28,669	52	59	87.846	18.887,923	284.458,800	15,060	14,597
3	10	98.974	90.575,531	2.625.195,611	28,983	28,520	53	60	86.886	18.137,562	265.570,877	14,642	14,179
4	11	98.948	87.913,973	2.534.620,080	28,831	28,367	54	61	85.865	17.402,282	247.433,315	14,218	13,755
5	12	98.925	85.333,923	2.446.706,107	28,672	28,209	55	62	84.802	16.686,268	230.031,033	13,786	13,322
6	13	98.903	82.830,088	2.361.372,184	28,509	28,045	56	63	83.638	15.977,811	213.344,765	13,353	12,889
7	14	98.882	80.400,398	2.278.542,096	28,340	27,877	57	64	82.418	15.286,268	197.366,954	12,911	12,448
8	15	98.859	78.039,906	2.198.141,698	28,167	27,704	58	65	81.108	14.605,030	182.080,686	12,467	12,004
9	16	98.829	75.744,354	2.120.101,793	27,990	27,527	59	66	79.679	13.929,801	167.475,656	12,023	11,560
10	17	98.799	73.515,754	2.044.357,439	27,808	27,345	60	67	78.127	13.260,730	153.545,855	11,579	11,116
11	18	98.768	71.352,109	1.970.841,685	27,621	27,158	61	68	76.462	12.600,154	140.285,125	11,134	10,670
12	19	98.725	69.243,965	1.899.489,576	27,432	26,969	62	69	74.680	11.947,987	127.684,970	10,687	10,224
13	20	98.685	67.199,738	1.830.245,611	27,236	26,773	63	70	72.734	11.297,737	115.736,983	10,244	9,781
14	21	98.641	65.213,400	1.763.045,874	27,035	26,572	64	71	70.664	10.656,519	104.439,246	9,801	9,337
15	22	98.599	63.286,811	1.697.832,474	26,828	26,364	65	72	68.421	10.017,767	93.782,728	9,362	8,898
16	23	98.549	61.412,381	1.634.545,663	26,616	26,153	66	73	66.011	9.383,375	83.764,961	8,927	8,464
17	24	98.485	59.585,284	1.573.133,282	26,401	25,938	67	74	63.429	8.753,713	74.381,585	8,497	8,034
18	25	98.409	57.804,760	1.513.547,998	26,184	25,721	68	75	60.657	8.127,404	65.627,873	8,075	7,612
19	26	98.310	56.064,759	1.455.743,238	25,965	25,502	69	76	57.688	7.504,399	57.500,469	7,662	7,199
20	27	98.203	54.372,739	1.399.678,479	25,742	25,279	70	77	54.575	6.892,720	49.996,069	7,253	6,790
21	28	98.100	52.733,560	1.345.305,740	25,511	25,048	71	78	51.294	6.289,621	43.103,349	6,853	6,390
22	29	97.994	51.142,303	1.292.572,180	25,274	24,811	72	79	47.838	5.694,943	36.813,728	6,464	6,001
23	30	97.891	49.600,763	1.241.429,876	25,028	24,565	73	80	44.212	5.110,021	31.118,785	6,090	5,627
24	31	97.787	48.104,631	1.191.829,114	24,776	24,313	74	81	40.427	4.536,461	26.008,765	5,733	5,270
25	32	97.681	46.652,967	1.143.724,483	24,516	24,052	75	82	36.553	3.982,250	21.472,304	5,392	4,929
26	33	97.575	45.244,918	1.097.071,515	24,247	23,784	76	83	32.610	3.449,202	17.490,054	5,071	4,608
27	34	97.466	43.878,150	1.051.826,597	23,972	23,508	77	84	28.763	2.953,692	14.040,851	4,754	4,290
28	35	97.351	42.549,723	1.007.948,447	23,689	23,225	78	85	25.004	2.492,862	11.087,159	4,448	3,984
29	36	97.229	41.258,912	965.398,724	23,399	22,935	79	86	21.447	2.075,956	8.594,298	4,140	3,677
30	37	97.106	40.006,388	924.139,811	23,100	22,637	80	87	18.000	1.691,614	6.518,342	3,853	3,390
31	38	96.976	38.788,977	884.133,424	22,793	22,330	81	88	14.698	1.341,079	4.826,728	3,599	3,136
32	39	96.831	37.603,140	845.344,447	22,481	22,017	82	89	11.717	1.037,926	3.485,649	3,358	2,895
33	40	96.674	36.448,801	807.741,308	22,161	21,698	83	90	9.044	777,764	2.447,723	3,147	2,684
34	41	96.506	35.325,385	771.292,506	21,834	21,371	84	91	6.794	567,314	1.669,959	2,944	2,480
35	42	96.318	34.229,865	735.967,121	21,501	21,038	85	92	4.912	398,221	1.102,645	2,769	2,306
36	43	96.109	33.160,763	701.737,257	21,162	20,698	86	93	3.450	271,514	704,425	2,594	2,131
37	44	95.876	32.116,830	668.576,494	20,817	20,354	87	94	2.322	177,463	432,911	2,439	1,976
38	45	95.627	31.100,365	636.459,663	20,465	20,001	88	95	1.494	110,820	255,448	2,305	1,842
39	46	95.344	30.105,099	605.359,298	20,108	19,645	89	96	919	66,192	144,628	2,185	1,722
40	47	95.026	29.130,790	575.254,199	19,747	19,284	90	97	541	37,801	78,436	2,075	1,612
41	48	94.678	28.178,709	546.123,409	19,381	18,917	91	98	304	20,610	40,635	1,972	1,508
42	49	94.297	27.248,111	517.944,700	19,008	18,545	92	99	162	10,650	20,025	1,880	1,417
43	50	93.863	26.332,602	490.696,588	18,635	18,171	93	100	82	5,216	9,376	1,798	1,334
44	51	93.394	25.437,910	464.363,986	18,255	17,792	94	101	39	2,415	4,160	1,722	1,259
45	52	92.885	24.562,336	438.926,076	17,870	17,407	95	102	17	1,055	1,744	1,654	1,191
46	53	92.319	23.701,678	414.363,740	17,482	17,019	96	103	7	0,433	0,690	1,592	1,129
47	54	91.715	22.860,818	390.662,062	17,089	16,625	97	104	3	0,167	0,256	1,536	1,072
48	55	91.054	22.034,872	367.801,244	16,692	16,229	98	105	1	0,060	0,089	1,484	1,021
49	56	90.339	21.225,061	345.766,372	16,290	15,827	99	106					
							100	107					

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -8 Jahre

Zinsfuß 3,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	8	99.504	99.504,143	2.906.447,224	29,209	28,746	50	58	89.172	20.340,816	318.338,716	15,650	15,187
1	9	99.041	96.155,988	2.806.943,081	29,192	28,728	51	59	88.303	19.555,876	297.997,900	15,238	14,775
2	10	98.994	93.311,583	2.710.787,093	29,051	28,588	52	60	87.399	18.791,901	278.442,024	14,817	14,354
3	11	98.966	90.567,914	2.617.475,509	28,901	28,437	53	61	86.408	18.037,728	259.650,123	14,395	13,932
4	12	98.939	87.905,729	2.526.907,595	28,746	28,282	54	62	85.382	17.304,353	241.612,395	13,963	13,499
5	13	98.917	85.326,675	2.439.001,867	28,584	28,121	55	63	84.268	16.581,263	224.308,042	13,528	13,065
6	14	98.894	82.822,063	2.353.675,191	28,418	27,955	56	64	83.069	15.869,133	207.726,779	13,090	12,627
7	15	98.871	80.391,029	2.270.853,129	28,248	27,784	57	65	81.816	15.174,482	191.857,646	12,643	12,180
8	16	98.841	78.025,962	2.190.462,099	28,074	27,610	58	66	80.445	14.485,745	176.683,164	12,197	11,734
9	17	98.808	75.728,313	2.112.436,137	27,895	27,432	59	67	78.957	13.803,645	162.197,419	11,750	11,287
10	18	98.777	73.499,579	2.036.707,824	27,710	27,247	60	68	77.333	13.125,935	148.393,774	11,305	10,842
11	19	98.740	71.331,589	1.963.208,245	27,522	27,059	61	69	75.588	12.456,039	135.267,839	10,860	10,396
12	20	98.698	69.224,770	1.891.876,656	27,329	26,866	62	70	73.727	11.795,553	122.811,800	10,412	9,948
13	21	98.654	67.178,512	1.822.651,886	27,131	26,668	63	71	71.700	11.137,156	111.016,248	9,968	9,505
14	22	98.617	65.197,444	1.755.473,374	26,925	26,462	64	72	69.518	10.483,752	99.879,091	9,527	9,064
15	23	98.572	63.269,677	1.690.275,931	26,715	26,252	65	73	67.188	9.837,156	89.395,339	9,088	8,624
16	24	98.523	61.396,358	1.627.006,254	26,500	26,037	66	74	64.666	9.192,214	79.558,184	8,655	8,192
17	25	98.459	59.569,096	1.565.609,895	26,282	25,819	67	75	61.985	8.554,463	70.365,970	8,226	7,762
18	26	98.385	57.790,536	1.506.040,800	26,060	25,597	68	76	59.085	7.916,680	61.811,507	7,808	7,345
19	27	98.282	56.049,063	1.448.250,263	25,839	25,376	69	77	56.018	7.287,159	53.894,826	7,396	6,933
20	28	98.175	54.356,893	1.392.201,200	25,612	25,149	70	78	52.800	6.668,483	46.607,667	6,989	6,526
21	29	98.071	52.717,908	1.337.844,307	25,377	24,914	71	79	49.393	6.056,515	39.939,184	6,594	6,131
22	30	97.965	51.127,334	1.285.126,399	25,136	24,673	72	80	45.825	5.455,378	33.882,670	6,211	5,748
23	31	97.859	49.584,523	1.233.999,066	24,887	24,424	73	81	42.058	4.861,089	28.427,291	5,848	5,385
24	32	97.752	48.087,448	1.184.414,543	24,630	24,167	74	82	38.173	4.283,581	23.566,202	5,502	5,038
25	33	97.646	46.636,379	1.136.327,096	24,366	23,902	75	83	34.191	3.724,901	19.282,621	5,177	4,713
26	34	97.536	45.226,839	1.089.690,717	24,094	23,631	76	84	30.273	3.202,040	15.557,721	4,859	4,395
27	35	97.420	43.857,579	1.044.463,878	23,815	23,352	77	85	26.451	2.716,329	12.355,681	4,549	4,085
28	36	97.301	42.527,939	1.000.606,298	23,528	23,065	78	86	22.833	2.276,420	9.639,352	4,234	3,771
29	37	97.174	41.235,582	958.078,359	23,234	22,771	79	87	19.284	1.866,670	7.362,932	3,944	3,481
30	38	97.046	39.981,855	916.842,777	22,931	22,468	80	88	15.878	1.492,210	5.496,262	3,683	3,220
31	39	96.908	38.761,843	876.860,922	22,622	22,159	81	89	12.765	1.164,691	4.004,052	3,438	2,975
32	40	96.754	37.573,047	838.099,079	22,306	21,843	82	90	9.980	884,080	2.839,362	3,212	2,748
33	41	96.590	36.417,092	800.526,031	21,982	21,519	83	91	7.565	650,629	1.955,282	3,005	2,542
34	42	96.410	35.290,466	764.108,940	21,652	21,189	84	92	5.521	460,999	1.304,653	2,830	2,367
35	43	96.210	34.191,367	728.818,474	21,316	20,853	85	93	3.903	316,430	843,653	2,666	2,203
36	44	95.984	33.117,720	694.627,106	20,974	20,511	86	94	2.677	210,697	527,223	2,502	2,039
37	45	95.743	32.072,123	661.509,386	20,626	20,162	87	95	1.758	134,315	316,526	2,357	1,893
38	46	95.475	31.051,039	629.437,263	20,271	19,808	88	96	1.101	81,699	182,211	2,230	1,767
39	47	95.172	30.051,031	598.386,224	19,912	19,449	89	97	659	47,470	100,513	2,117	1,654
40	48	94.841	29.074,141	568.335,193	19,548	19,085	90	98	377	26,338	53,042	2,014	1,551
41	49	94.477	28.118,972	539.261,051	19,178	18,715	91	99	205	13,933	26,704	1,917	1,453
42	50	94.070	27.182,533	511.142,079	18,804	18,341	92	100	106	6,976	12,772	1,831	1,367
43	51	93.626	26.266,070	483.959,547	18,425	17,962	93	101	52	3,307	5,795	1,753	1,289
44	52	93.135	25.367,263	457.693,477	18,043	17,579	94	102	24	1,480	2,489	1,682	1,218
45	53	92.604	24.488,079	432.326,214	17,655	17,191	95	103	10	0,624	1,009	1,617	1,154
46	54	92.028	23.626,839	407.838,135	17,262	16,798	96	104	4	0,247	0,385	1,559	1,095
47	55	91.396	22.781,303	384.211,296	16,865	16,402	97	105	2	0,092	0,138	1,505	1,042
48	56	90.709	21.951,429	361.429,994	16,465	16,002	98	106					
49	57	89.976	21.139,849	339.478,564	16,059	15,595	99	107					
							100	108					

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -9 Jahre

Zinsfuß 3,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	9	99.495	99.494,592	2.898.223,748	29,129	28,666	50	59	88.743	20.242,862	311.791,037	15,403	14,939
1	10	99.034	96.149,774	2.798.729,156	29,108	28,645	51	60	87.854	19.456,458	291.548,175	14,985	14,521
2	11	98.986	93.303,737	2.702.579,382	28,965	28,502	52	61	86.918	18.688,465	272.091,717	14,559	14,096
3	12	98.957	90.559,421	2.609.275,645	28,813	28,350	53	62	85.922	17.936,224	253.403,252	14,128	13,665
4	13	98.930	87.898,263	2.518.716,225	28,655	28,192	54	63	84.845	17.195,459	235.467,028	13,694	13,230
5	14	98.907	85.318,408	2.430.817,961	28,491	28,028	55	64	83.695	16.468,480	218.271,569	13,254	12,791
6	15	98.882	82.812,412	2.345.499,554	28,323	27,860	56	65	82.461	15.753,085	201.803,089	12,810	12,347
7	16	98.853	80.376,666	2.262.687,142	28,151	27,688	57	66	81.147	15.050,547	186.050,005	12,362	11,898
8	17	98.820	78.009,438	2.182.310,476	27,975	27,512	58	67	79.717	14.354,554	170.999,458	11,913	11,449
9	18	98.787	75.711,652	2.104.301,038	27,794	27,330	59	68	78.154	13.663,331	156.644,905	11,465	11,001
10	19	98.749	73.478,441	2.028.589,386	27,608	27,145	60	69	76.448	12.975,806	142.981,574	11,019	10,556
11	20	98.712	71.311,815	1.955.110,945	27,416	26,953	61	70	74.623	12.297,123	130.005,768	10,572	10,109
12	21	98.667	69.202,905	1.883.799,130	27,221	26,758	62	71	72.679	11.627,896	117.708,645	10,123	9,660
13	22	98.630	67.162,075	1.814.596,225	27,018	26,555	63	72	70.538	10.956,598	106.080,749	9,682	9,219
14	23	98.590	65.179,792	1.747.434,150	26,809	26,346	64	73	68.265	10.294,739	95.124,151	9,240	8,777
15	24	98.546	63.253,169	1.682.254,357	26,596	26,132	65	74	65.819	9.636,750	84.829,412	8,803	8,339
16	25	98.496	61.379,678	1.619.001,188	26,377	25,914	66	75	63.194	8.982,983	75.192,662	8,371	7,907
17	26	98.434	59.554,438	1.557.621,510	26,155	25,691	67	76	60.378	8.332,667	66.209,679	7,946	7,483
18	27	98.357	57.774,357	1.498.067,072	25,930	25,466	68	77	57.374	7.687,506	57.877,012	7,529	7,065
19	28	98.254	56.032,729	1.440.292,715	25,704	25,241	69	78	54.195	7.050,090	50.189,506	7,119	6,656
20	29	98.145	54.340,759	1.384.259,986	25,474	25,010	70	79	50.843	6.421,334	43.139,416	6,718	6,255
21	30	98.042	52.702,477	1.329.919,228	25,234	24,771	71	80	47.315	5.801,740	36.718,082	6,329	5,866
22	31	97.933	51.110,594	1.277.216,750	24,989	24,526	72	81	43.593	5.189,623	30.916,341	5,957	5,494
23	32	97.824	49.566,810	1.226.106,157	24,736	24,273	73	82	39.714	4.590,113	25.726,718	5,605	5,142
24	33	97.717	48.070,349	1.176.539,346	24,475	24,012	74	83	35.707	4.006,758	21.136,605	5,275	4,812
25	34	97.607	46.617,744	1.128.468,997	24,207	23,744	75	84	31.741	3.457,982	17.129,847	4,954	4,490
26	35	97.490	45.205,636	1.081.851,254	23,932	23,469	76	85	27.840	2.944,719	13.671,865	4,643	4,180
27	36	97.370	43.835,126	1.036.645,617	23,649	23,186	77	86	24.155	2.480,485	10.727,146	4,325	3,861
28	37	97.246	42.503,892	992.810,491	23,358	22,895	78	87	20.531	2.046,924	8.246,661	4,029	3,566
29	38	97.115	41.210,296	950.306,600	23,060	22,597	79	88	17.011	1.646,631	6.199,738	3,765	3,302
30	39	96.979	39.953,887	909.096,304	22,754	22,290	80	89	13.790	1.295,944	4.553,107	3,513	3,050
31	40	96.830	38.730,824	869.142,417	22,441	21,977	81	90	10.873	992,055	3.257,162	3,283	2,820
32	41	96.670	37.540,359	830.411,593	22,121	21,657	82	91	8.349	739,566	2.265,108	3,063	2,600
33	42	96.495	36.381,094	792.871,234	21,793	21,330	83	92	6.148	528,701	1.525,541	2,885	2,422
34	43	96.302	35.250,776	756.490,140	21,460	20,997	84	93	4.387	366,315	996,840	2,721	2,258
35	44	96.085	34.146,986	721.239,364	21,122	20,658	85	94	3.029	245,553	630,525	2,568	2,105
36	45	95.851	33.071,620	687.092,378	20,776	20,313	86	95	2.026	159,468	384,973	2,414	1,951
37	46	95.591	32.021,257	654.020,758	20,425	19,961	87	96	1.296	99,020	225,505	2,277	1,814
38	47	95.304	30.995,272	621.999,502	20,068	19,604	88	97	790	58,591	126,485	2,159	1,696
39	48	94.987	29.992,592	591.004,229	19,705	19,242	89	98	459	33,075	67,893	2,053	1,589
40	49	94.640	29.012,506	561.011,637	19,337	18,874	90	99	255	17,805	34,819	1,956	1,492
41	50	94.250	28.051,297	531.999,131	18,965	18,502	91	100	134	9,127	17,013	1,864	1,401
42	51	93.833	27.113,853	503.947,833	18,586	18,123	92	101	67	4,423	7,886	1,783	1,320
43	52	93.366	26.193,122	476.833,981	18,205	17,741	93	102	32	2,026	3,464	1,710	1,246
44	53	92.853	25.290,572	450.640,858	17,819	17,355	94	103	14	0,875	1,438	1,643	1,180
45	54	92.312	24.410,757	425.350,286	17,425	16,961	95	104	6	0,356	0,563	1,582	1,119
46	55	91.707	23.544,659	400.939,529	17,029	16,566	96	105	2	0,136	0,207	1,527	1,063
47	56	91.050	22.695,033	377.394,870	16,629	16,166	97	106					
48	57	90.345	21.863,300	354.699,837	16,224	15,760	98	107					
49	58	89.574	21.045,500	332.836,537	15,815	15,352	99	108					
							100	109					

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -10 Jahre

Zinsfuß 3,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	10	99.488	99.488,163	2.889.508,164	29,044	28,581	50	60	88.292	20.139,952	304.895,947	15,139	14,676
1	11	99.026	96.141,689	2.790.020,001	29,020	28,557	51	61	87.371	19.349,365	284.755,995	14,717	14,253
2	12	98.977	93.294,987	2.693.878,312	28,875	28,412	52	62	86.429	18.583,299	265.406,631	14,282	13,819
3	13	98.948	90.551,730	2.600.583,326	28,719	28,256	53	63	85.381	17.823,353	246.823,332	13,848	13,385
4	14	98.921	87.889,747	2.510.031,596	28,559	28,096	54	64	84.267	17.078,498	228.999,979	13,409	12,945
5	15	98.896	85.308,466	2.422.141,849	28,393	27,930	55	65	83.083	16.348,049	211.921,481	12,963	12,500
6	16	98.865	82.797,616	2.336.833,383	28,223	27,760	56	66	81.788	15.624,423	195.573,432	12,517	12,054
7	17	98.832	80.359,644	2.254.035,767	28,049	27,586	57	67	80.412	14.914,240	179.949,009	12,066	11,602
8	18	98.798	77.992,275	2.173.676,123	27,870	27,407	58	68	78.906	14.208,640	165.034,769	11,615	11,152
9	19	98.758	75.689,877	2.095.683,849	27,688	27,225	59	69	77.260	13.507,055	150.826,129	11,166	10,703
10	20	98.722	73.458,072	2.019.993,971	27,499	27,035	60	70	75.473	12.810,259	137.319,074	10,719	10,256
11	21	98.681	71.289,291	1.946.535,899	27,305	26,842	61	71	73.563	12.122,337	124.508,815	10,271	9,808
12	22	98.643	69.185,973	1.875.246,608	27,104	26,641	62	72	71.501	11.439,382	112.386,478	9,825	9,361
13	23	98.603	67.143,892	1.806.060,635	26,898	26,435	63	73	69.266	10.759,060	100.947,096	9,383	8,919
14	24	98.565	65.162,786	1.738.916,743	26,686	26,223	64	74	66.874	10.085,011	90.188,036	8,943	8,480
15	25	98.520	63.235,985	1.673.753,957	26,468	26,005	65	75	64.321	9.417,401	80.103,025	8,506	8,043
16	26	98.472	61.364,575	1.610.517,972	26,245	25,782	66	76	61.556	8.750,077	70.685,624	8,078	7,615
17	27	98.407	59.537,765	1.549.153,397	26,020	25,556	67	77	58.630	8.091,450	61.935,548	7,654	7,191
18	28	98.328	57.757,520	1.489.615,632	25,791	25,328	68	78	55.508	7.437,412	53.844,098	7,240	6,776
19	29	98.225	56.016,097	1.431.858,112	25,562	25,098	69	79	52.187	6.788,799	46.406,686	6,836	6,373
20	30	98.117	54.324,853	1.375.842,015	25,326	24,863	70	80	48.704	6.151,214	39.617,887	6,441	5,977
21	31	98.010	52.685,221	1.321.517,162	25,083	24,620	71	81	45.010	5.519,112	33.466,673	6,064	5,601
22	32	97.898	51.092,336	1.268.831,941	24,834	24,371	72	82	41.163	4.900,333	27.947,561	5,703	5,240
23	33	97.790	49.549,186	1.217.739,605	24,576	24,113	73	83	37.147	4.293,481	23.047,228	5,368	4,905
24	34	97.678	48.051,141	1.168.190,419	24,311	23,848	74	84	33.148	3.719,642	18.753,747	5,042	4,579
25	35	97.561	46.595,888	1.120.139,278	24,039	23,576	75	85	29.190	3.180,093	15.034,105	4,728	4,264
26	36	97.440	45.182,493	1.073.543,389	23,760	23,297	76	86	25.423	2.689,045	11.854,011	4,408	3,945
27	37	97.315	43.810,339	1.028.360,896	23,473	23,010	77	87	21.720	2.230,416	9.164,967	4,109	3,646
28	38	97.186	42.477,827	984.550,557	23,178	22,715	78	88	18.111	1.805,637	6.934,551	3,841	3,377
29	39	97.047	41.181,469	942.072,730	22,876	22,413	79	89	14.774	1.430,054	5.128,913	3,587	3,123
30	40	96.901	39.921,914	900.891,261	22,566	22,103	80	90	11.746	1.103,853	3.698,859	3,351	2,888
31	41	96.746	38.697,128	860.969,348	22,249	21,786	81	91	9.096	829,891	2.595,006	3,127	2,664
32	42	96.574	37.503,251	822.272,219	21,925	21,462	82	92	6.784	600,972	1.765,114	2,937	2,474
33	43	96.386	36.340,177	784.768,968	21,595	21,132	83	93	4.885	420,111	1.164,142	2,771	2,308
34	44	96.177	35.205,020	748.428,791	21,259	20,796	84	94	3.404	284,263	744,031	2,617	2,154
35	45	95.951	34.099,453	713.223,771	20,916	20,453	85	95	2.293	185,849	459,768	2,474	2,011
36	46	95.699	33.019,168	679.124,318	20,568	20,104	86	96	1.494	117,564	273,919	2,330	1,867
37	47	95.419	31.963,747	646.105,150	20,214	19,750	87	97	929	71,014	156,355	2,202	1,739
38	48	95.118	30.934,997	614.141,403	19,853	19,389	88	98	550	40,823	85,342	2,091	1,627
39	49	94.786	29.929,010	583.206,406	19,486	19,023	89	99	310	22,359	44,518	1,991	1,528
40	50	94.412	28.942,681	553.277,395	19,116	18,653	90	100	167	11,664	22,159	1,900	1,437
41	51	94.011	27.980,422	524.334,714	18,739	18,276	91	101	85	5,786	10,495	1,814	1,351
42	52	93.572	27.038,551	496.354,292	18,357	17,894	92	102	41	2,710	4,709	1,738	1,275
43	53	93.084	26.113,935	469.315,741	17,972	17,509	93	103	19	1,198	1,999	1,669	1,205
44	54	92.560	25.210,716	443.201,806	17,580	17,117	94	104	8	0,499	0,801	1,606	1,142
45	55	91.991	24.325,851	417.991,090	17,183	16,720	95	105	3	0,195	0,302	1,548	1,085
46	56	91.360	23.455,498	393.665,239	16,783	16,320	96	106					
47	57	90.685	22.603,919	370.209,741	16,378	15,915	97	107					
48	58	89.941	21.765,723	347.605,822	15,970	15,507	98	108					
49	59	89.143	20.944,152	325.840,099	15,558	15,094	99	109					
							100	110					

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -11 Jahre

Zinsfuß 3,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	11	99.480	99.479,797	2.880.284,415	28,953	28,490	50	61	87.806	20.029,096	297.650,330	14,861	14,398
1	12	99.017	96.132,673	2.780.804,619	28,927	28,464	51	62	86.879	19.240,479	277.621,234	14,429	13,966
2	13	98.968	93.287,063	2.684.671,946	28,779	28,315	52	63	85.885	18.466,356	258.380,755	13,992	13,529
3	14	98.939	90.542,956	2.591.384,883	28,621	28,157	53	64	84.800	17.702,121	239.914,399	13,553	13,090
4	15	98.909	87.879,505	2.500.841,926	28,458	27,994	54	65	83.651	16.953,606	222.212,277	13,107	12,644
5	16	98.878	85.293,224	2.412.962,421	28,290	27,827	55	66	82.405	16.214,528	205.258,671	12,659	12,196
6	17	98.844	82.780,081	2.327.669,197	28,119	27,655	56	67	81.047	15.482,919	189.044,143	12,210	11,747
7	18	98.810	80.341,963	2.244.889,116	27,942	27,478	57	68	79.595	14.762,637	173.561,224	11,757	11,294
8	19	98.770	77.969,845	2.164.547,152	27,761	27,298	58	69	78.004	14.046,127	158.798,587	11,306	10,842
9	20	98.731	75.668,896	2.086.577,308	27,575	27,112	59	70	76.275	13.334,730	144.752,459	10,855	10,392
10	21	98.690	73.434,870	2.010.908,412	27,384	26,920	60	71	74.400	12.628,180	131.417,729	10,407	9,943
11	22	98.657	71.271,849	1.937.473,542	27,184	26,721	61	72	72.370	11.925,806	118.789,550	9,961	9,497
12	23	98.616	69.167,241	1.866.201,693	26,981	26,518	62	73	70.212	11.233,140	106.863,743	9,513	9,050
13	24	98.577	67.126,374	1.797.034,452	26,771	26,308	63	74	67.855	10.539,873	95.630,604	9,073	8,610
14	25	98.538	65.145,083	1.729.908,078	26,555	26,091	64	75	65.352	9.855,459	85.090,731	8,634	8,171
15	26	98.495	63.220,425	1.664.762,995	26,333	25,869	65	76	62.653	9.173,231	75.235,272	8,202	7,738
16	27	98.445	61.347,395	1.601.542,570	26,106	25,643	66	77	59.774	8.496,776	66.062,041	7,775	7,312
17	28	98.378	59.520,414	1.540.195,175	25,877	25,414	67	78	56.723	7.828,215	57.565,265	7,354	6,890
18	29	98.299	57.740,376	1.480.674,761	25,644	25,180	68	79	53.450	7.161,766	49.737,050	6,945	6,482
19	30	98.196	55.999,701	1.422.934,385	25,410	24,946	69	80	49.992	6.503,220	42.575,284	6,547	6,084
20	31	98.085	54.307,066	1.366.934,684	25,170	24,707	70	81	46.332	5.851,561	36.072,064	6,165	5,701
21	32	97.975	52.666,402	1.312.627,619	24,923	24,460	71	82	42.501	5.211,455	30.220,503	5,799	5,336
22	33	97.863	51.074,169	1.259.961,217	24,669	24,206	72	83	38.503	4.583,653	25.009,047	5,456	4,993
23	34	97.751	49.529,387	1.208.887,048	24,407	23,944	73	84	34.485	3.985,819	20.425,394	5,125	4,661
24	35	97.632	48.028,614	1.159.357,661	24,139	23,676	74	85	30.484	3.420,726	16.439,575	4,806	4,343
25	36	97.511	46.572,033	1.111.329,047	23,863	23,399	75	86	26.655	2.903,983	13.018,849	4,483	4,020
26	37	97.385	45.156,944	1.064.757,014	23,579	23,116	76	87	22.860	2.417,950	10.114,866	4,183	3,720
27	38	97.256	43.783,474	1.019.600,070	23,287	22,824	77	88	19.159	1.967,500	7.696,915	3,912	3,449
28	39	97.118	42.448,114	975.816,596	22,988	22,525	78	89	15.729	1.568,147	5.729,416	3,654	3,190
29	40	96.969	41.148,513	933.368,482	22,683	22,220	79	90	12.584	1.218,085	4.161,268	3,416	2,953
30	41	96.817	39.887,182	892.219,969	22,369	21,905	80	91	9.826	923,415	2.943,184	3,187	2,724
31	42	96.650	38.658,877	852.332,787	22,048	21,584	81	92	7.391	674,370	2.019,768	2,995	2,532
32	43	96.465	37.461,072	813.673,910	21,721	21,257	82	93	5.391	477,538	1.345,399	2,817	2,354
33	44	96.261	36.293,007	776.212,838	21,387	20,924	83	94	3.791	326,010	867,860	2,662	2,199
34	45	96.043	35.156,014	739.919,831	21,047	20,584	84	95	2.577	215,148	541,850	2,519	2,055
35	46	95.799	34.045,371	704.763,817	20,701	20,237	85	96	1.690	137,012	326,703	2,384	1,921
36	47	95.527	32.959,866	670.718,446	20,350	19,886	86	97	1.071	84,312	189,691	2,250	1,787
37	48	95.233	31.901,589	637.758,580	19,991	19,528	87	98	648	49,478	105,378	2,130	1,667
38	49	94.917	30.869,417	605.856,991	19,626	19,163	88	99	372	27,598	55,900	2,026	1,562
39	50	94.558	29.856,979	574.987,574	19,258	18,795	89	100	203	14,647	28,302	1,932	1,469
40	51	94.174	28.869,554	545.130,594	18,883	18,419	90	101	106	7,394	13,655	1,847	1,383
41	52	93.750	27.902,714	516.261,041	18,502	18,039	91	102	52	3,545	6,261	1,766	1,303
42	53	93.289	26.956,808	488.358,327	18,116	17,653	92	103	24	1,603	2,716	1,695	1,231
43	54	92.790	26.031,479	461.401,519	17,725	17,262	93	104	11	0,683	1,113	1,629	1,166
44	55	92.238	25.123,027	435.370,040	17,330	16,866	94	105	4	0,274	0,430	1,570	1,107
45	56	91.642	24.233,732	410.247,013	16,929	16,466	95	106					
46	57	90.993	23.361,331	386.013,281	16,524	16,060	96	107					
47	58	90.280	22.503,036	362.651,949	16,116	15,652	97	108					
48	59	89.508	21.660,907	340.148,914	15,703	15,240	98	109					
49	60	88.690	20.837,677	318.488,007	15,284	14,821	99	110					
							100	111					

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -12 Jahre

Zinsfuß 3,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	12	99.470	99.470,467	2.870.542,189	28,858	28,395	50	62	87.312	19.916,386	290.055,084	14,564	14,100
1	13	99.008	96.124,509	2.771.071,721	28,828	28,365	51	63	86.332	19.119,401	270.138,698	14,129	13,666
2	14	98.959	93.278,025	2.674.947,213	28,677	28,214	52	64	85.301	18.340,751	251.019,298	13,686	13,223
3	15	98.927	90.532,406	2.581.669,188	28,517	28,053	53	65	84.180	17.572,669	232.678,547	13,241	12,778
4	16	98.891	87.863,804	2.491.136,782	28,352	27,889	54	66	82.968	16.815,140	215.105,878	12,792	12,329
5	17	98.857	85.275,161	2.403.272,978	28,183	27,719	55	67	81.658	16.067,680	198.290,738	12,341	11,878
6	18	98.822	82.761,868	2.317.997,817	28,008	27,545	56	68	80.223	15.325,536	182.223,058	11,890	11,427
7	19	98.782	80.318,858	2.235.235,949	27,830	27,366	57	69	78.685	14.593,788	166.897,522	11,436	10,973
8	20	98.742	77.948,231	2.154.917,092	27,645	27,182	58	70	77.009	13.866,924	152.303,734	10,983	10,520
9	21	98.700	75.644,995	2.076.968,861	27,457	26,994	59	71	75.191	13.145,196	138.436,810	10,531	10,068
10	22	98.666	73.416,903	2.001.323,865	27,260	26,796	60	72	73.194	12.423,448	125.291,613	10,085	9,622
11	23	98.630	71.252,552	1.927.906,963	27,057	26,594	61	73	71.065	11.710,795	112.868,165	9,638	9,175
12	24	98.590	69.149,195	1.856.654,410	26,850	26,387	62	74	68.781	11.004,294	101.157,371	9,193	8,729
13	25	98.551	67.108,137	1.787.505,215	26,636	26,173	63	75	66.310	10.299,967	90.153,076	8,753	8,290
14	26	98.514	65.129,053	1.720.397,078	26,415	25,952	64	76	63.658	9.599,931	79.853,109	8,318	7,855
15	27	98.468	63.202,726	1.655.268,025	26,190	25,727	65	77	60.839	8.907,681	70.253,178	7,887	7,424
16	28	98.416	61.329,516	1.592.065,299	25,959	25,496	66	78	57.829	8.220,355	61.345,497	7,463	6,999
17	29	98.349	59.502,747	1.530.735,783	25,725	25,262	67	79	54.620	7.538,085	53.125,142	7,048	6,584
18	30	98.270	57.723,475	1.471.233,036	25,488	25,024	68	80	51.202	6.860,498	45.587,057	6,645	6,182
19	31	98.164	55.981,365	1.413.509,561	25,250	24,786	69	81	47.556	6.186,420	38.726,560	6,260	5,797
20	32	98.050	54.287,667	1.357.528,195	25,006	24,543	70	82	43.749	5.525,372	32.540,140	5,889	5,426
21	33	97.940	52.647,675	1.303.240,529	24,754	24,291	71	83	39.755	4.874,670	27.014,767	5,542	5,079
22	34	97.824	51.053,761	1.250.592,854	24,496	24,032	72	84	35.744	4.255,198	22.140,098	5,203	4,740
23	35	97.705	49.506,167	1.199.539,093	24,230	23,767	73	85	31.714	3.665,513	17.884,899	4,879	4,416
24	36	97.582	48.004,025	1.150.032,926	23,957	23,494	74	86	27.837	3.123,723	14.219,387	4,552	4,089
25	37	97.456	46.545,699	1.102.028,901	23,676	23,213	75	87	23.968	2.611,220	11.095,664	4,249	3,786
26	38	97.325	45.129,253	1.055.483,202	23,388	22,925	76	88	20.165	2.132,928	8.484,444	3,978	3,515
27	39	97.188	43.752,847	1.010.353,949	23,092	22,629	77	89	16.639	1.708,720	6.351,516	3,717	3,254
28	40	97.040	42.414,144	966.601,102	22,790	22,326	78	90	13.397	1.335,709	4.642,796	3,476	3,013
29	41	96.885	41.112,714	924.186,958	22,479	22,016	79	91	10.527	1.018,974	3.307,087	3,246	2,782
30	42	96.721	39.847,754	883.074,244	22,161	21,698	80	92	7.985	750,367	2.288,113	3,049	2,586
31	43	96.542	38.615,398	843.226,490	21,837	21,373	81	93	5.873	535,861	1.537,746	2,870	2,406
32	44	96.340	37.412,447	804.611,091	21,507	21,043	82	94	4.183	370,574	1.001,885	2,704	2,240
33	45	96.127	36.242,487	767.198,644	21,168	20,705	83	95	2.869	246,744	631,311	2,559	2,095
34	46	95.891	35.100,256	730.956,158	20,825	20,362	84	96	1.900	158,612	384,567	2,425	1,961
35	47	95.627	33.984,226	695.855,901	20,476	20,013	85	97	1.212	98,260	225,955	2,300	1,836
36	48	95.341	32.895,771	661.871,675	20,120	19,657	86	98	746	58,744	127,695	2,174	1,711
37	49	95.032	31.833,960	628.975,904	19,758	19,295	87	99	438	33,449	68,950	2,061	1,598
38	50	94.688	30.795,123	597.141,945	19,391	18,928	88	100	244	18,079	35,502	1,964	1,501
39	51	94.319	29.781,542	566.346,821	19,017	18,553	89	101	129	9,285	17,423	1,876	1,413
40	52	93.912	28.789,376	536.565,280	18,638	18,174	90	102	65	4,530	8,137	1,796	1,333
41	53	93.467	27.818,358	507.775,904	18,253	17,790	91	103	31	2,097	3,607	1,720	1,257
42	54	92.995	26.871,690	479.957,546	17,861	17,398	92	104	14	0,914	1,510	1,653	1,190
43	55	92.467	25.940,936	453.085,855	17,466	17,003	93	105	6	0,375	0,597	1,592	1,129
44	56	91.889	25.027,890	427.144,920	17,067	16,604	94	106					
45	57	91.274	24.136,440	402.117,030	16,660	16,197	95	107					
46	58	90.587	23.257,068	377.980,589	16,252	15,789	96	108					
47	59	89.845	22.394,670	354.723,522	15,840	15,376	97	109					
48	60	89.053	21.550,788	332.328,852	15,421	14,958	98	110					
49	61	88.202	20.722,981	310.778,065	14,997	14,534	99	111					
							100	112					

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -13 Jahre

Zinsfuß 3,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	13	99.462	99.462,020	2.860.270,765	28,757	28,294	50	63	86.762	19.791,054	282.105,753	14,254	13,791
1	14	98.999	96.115,195	2.760.808,745	28,724	28,261	51	64	85.745	18.989,354	262.314,699	13,814	13,351
2	15	98.947	93.267,155	2.664.693,550	28,571	28,107	52	65	84.677	18.206,628	243.325,346	13,365	12,901
3	16	98.910	90.516,230	2.571.426,395	28,408	27,945	53	66	83.493	17.429,147	225.118,717	12,916	12,453
4	17	98.871	87.845,196	2.480.910,165	28,242	27,779	54	67	82.217	16.662,852	207.689,571	12,464	12,001
5	18	98.836	85.256,399	2.393.064,968	28,069	27,606	55	68	80.828	15.904,352	191.026,719	12,011	11,548
6	19	98.794	82.738,066	2.307.808,569	27,893	27,430	56	69	79.306	15.150,249	175.122,367	11,559	11,096
7	20	98.755	80.296,593	2.225.070,503	27,711	27,247	57	70	77.681	14.407,598	159.972,118	11,103	10,640
8	21	98.711	77.923,610	2.144.773,910	27,524	27,061	58	71	75.914	13.669,826	145.564,520	10,649	10,185
9	22	98.675	75.626,487	2.066.850,299	27,330	26,866	59	72	73.972	12.932,083	131.894,694	10,199	9,736
10	23	98.639	73.397,026	1.991.223,812	27,129	26,666	60	73	71.874	12.199,464	118.962,611	9,751	9,288
11	24	98.604	71.233,962	1.917.826,786	26,923	26,460	61	74	69.617	11.472,218	106.763,146	9,306	8,843
12	25	98.563	69.130,409	1.846.592,824	26,712	26,249	62	75	67.216	10.753,818	95.290,928	8,861	8,398
13	26	98.526	67.091,624	1.777.462,415	26,493	26,030	63	76	64.591	10.032,914	84.537,111	8,426	7,963
14	27	98.486	65.110,820	1.710.370,791	26,269	25,805	64	77	61.815	9.322,029	74.504,196	7,992	7,529
15	28	98.439	63.184,306	1.645.259,972	26,039	25,576	65	78	58.860	8.617,892	65.182,167	7,564	7,100
16	29	98.387	61.311,313	1.582.075,665	25,804	25,341	66	79	55.686	7.915,691	56.564,275	7,146	6,683
17	30	98.320	59.485,330	1.520.764,353	25,565	25,102	67	80	52.323	7.220,997	48.648,584	6,737	6,274
18	31	98.238	57.704,575	1.461.279,023	25,323	24,860	68	81	48.708	6.526,293	41.427,598	6,348	5,885
19	32	98.129	55.961,368	1.403.574,447	25,081	24,618	69	82	44.905	5.841,565	34.901,305	5,975	5,511
20	33	98.015	54.268,363	1.347.613,079	24,832	24,369	70	83	40.922	5.168,300	29.059,740	5,623	5,159
21	34	97.901	52.626,638	1.293.344,716	24,576	24,113	71	84	36.906	4.525,361	23.891,440	5,279	4,816
22	35	97.778	51.029,826	1.240.718,078	24,314	23,850	72	85	32.871	3.913,244	19.366,079	4,949	4,486
23	36	97.655	49.480,822	1.189.688,252	24,043	23,580	73	86	28.961	3.347,256	15.452,835	4,617	4,153
24	37	97.527	47.976,881	1.140.207,430	23,766	23,303	74	87	25.031	2.808,806	12.105,579	4,310	3,847
25	38	97.397	46.517,156	1.092.230,549	23,480	23,017	75	88	21.143	2.303,415	9.296,772	4,036	3,573
26	39	97.257	45.097,684	1.045.713,393	23,188	22,725	76	89	17.513	1.852,390	6.993,357	3,775	3,312
27	40	97.110	43.717,833	1.000.615,708	22,888	22,425	77	90	14.173	1.455,446	5.140,967	3,532	3,069
28	41	96.956	42.377,244	956.897,875	22,580	22,117	78	91	11.207	1.117,371	3.685,521	3,298	2,835
29	42	96.789	41.072,075	914.520,631	22,266	21,803	79	92	8.554	828,019	2.568,150	3,102	2,638
30	43	96.612	39.802,939	873.448,556	21,944	21,481	80	93	6.345	596,249	1.740,131	2,918	2,455
31	44	96.416	38.565,275	833.645,617	21,616	21,153	81	94	4.558	415,833	1.143,882	2,751	2,288
32	45	96.206	37.360,369	795.080,343	21,281	20,818	82	95	3.166	280,472	728,049	2,596	2,133
33	46	95.975	36.185,006	757.719,974	20,940	20,477	83	96	2.115	181,905	447,577	2,460	1,997
34	47	95.718	35.037,217	721.534,968	20,593	20,130	84	97	1.362	113,751	265,671	2,336	1,872
35	48	95.441	33.918,139	686.497,751	20,240	19,777	85	98	845	68,462	151,920	2,219	1,756
36	49	95.139	32.826,034	652.579,612	19,880	19,417	86	99	505	39,713	83,458	2,102	1,638
37	50	94.803	31.757,344	619.753,578	19,515	19,052	87	100	287	21,911	43,745	1,996	1,533
38	51	94.449	30.717,315	587.996,234	19,142	18,679	88	101	154	11,461	21,834	1,905	1,442
39	52	94.057	29.698,831	557.278,919	18,764	18,301	89	102	79	5,689	10,373	1,823	1,360
40	53	93.628	28.702,340	527.580,088	18,381	17,918	90	103	38	2,679	4,684	1,748	1,285
41	54	93.172	27.730,520	498.877,748	17,990	17,527	91	104	18	1,195	2,005	1,677	1,214
42	55	92.671	26.778,224	471.147,228	17,594	17,131	92	105	8	0,501	0,809	1,614	1,151
43	56	92.117	25.842,701	444.369,003	17,195	16,732	93	106					
44	57	91.520	24.927,410	418.526,302	16,790	16,327	94	107					
45	58	90.867	24.028,717	393.598,892	16,380	15,917	95	108					
46	59	90.151	23.145,070	369.570,175	15,968	15,504	96	109					
47	60	89.388	22.280,820	346.425,105	15,548	15,085	97	110					
48	61	88.563	21.432,167	324.144,285	15,124	14,661	98	111					
49	62	87.705	20.606,365	302.712,118	14,690	14,227	99	112					
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -14 Jahre

Zinsfuß 3,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	14	99.452	99.452,383	2.849.457,987	28,651	28,188	50	64	86.172	19.656,438	273.809,672	13,930	13,467
1	15	98.987	96.103,995	2.750.005,605	28,615	28,152	51	65	85.118	18.850,488	254.153,234	13,483	13,019
2	16	98.929	93.250,491	2.653.901,610	28,460	27,997	52	66	83.985	18.057,928	235.302,746	13,030	12,567
3	17	98.889	90.497,061	2.560.651,118	28,295	27,832	53	67	82.737	17.271,298	217.244,818	12,578	12,115
4	18	98.849	87.825,869	2.470.154,057	28,126	27,662	54	68	81.381	16.493,474	199.973,520	12,124	11,661
5	19	98.807	85.231,880	2.382.328,188	27,951	27,488	55	69	79.904	15.722,445	183.480,046	11,670	11,207
6	20	98.766	82.715,131	2.297.096,308	27,771	27,308	56	70	78.294	14.956,959	167.757,601	11,216	10,753
7	21	98.723	80.271,230	2.214.381,177	27,586	27,123	57	71	76.577	14.202,815	152.800,642	10,758	10,295
8	22	98.687	77.904,545	2.134.109,947	27,394	26,931	58	72	74.683	13.448,207	138.597,827	10,306	9,843
9	23	98.649	75.606,012	2.056.205,402	27,196	26,733	59	73	72.638	12.698,929	125.149,619	9,855	9,392
10	24	98.614	73.377,876	1.980.599,390	26,992	26,529	60	74	70.410	11.950,933	112.450,691	9,409	8,946
11	25	98.578	71.214,609	1.907.221,514	26,781	26,318	61	75	68.033	11.211,091	100.499,758	8,964	8,501
12	26	98.539	69.113,398	1.836.006,904	26,565	26,102	62	76	65.473	10.474,998	89.288,667	8,524	8,061
13	27	98.499	67.072,841	1.766.893,506	26,343	25,880	63	77	62.721	9.742,478	78.813,669	8,090	7,626
14	28	98.457	65.091,844	1.699.820,665	26,114	25,651	64	78	59.804	9.018,760	69.071,191	7,659	7,195
15	29	98.410	63.165,552	1.634.728,821	25,880	25,417	65	79	56.679	8.298,494	60.052,431	7,237	6,773
16	30	98.358	61.293,366	1.571.563,269	25,640	25,177	66	80	53.343	7.582,709	51.753,937	6,825	6,362
17	31	98.288	59.465,853	1.510.269,903	25,397	24,934	67	81	49.774	6.869,221	44.171,228	6,430	5,967
18	32	98.203	57.683,963	1.450.804,049	25,151	24,688	68	82	45.993	6.162,492	37.302,007	6,053	5,590
19	33	98.094	55.941,470	1.393.120,086	24,903	24,440	69	83	42.003	5.464,059	31.139,515	5,699	5,236
20	34	97.976	54.246,679	1.337.178,617	24,650	24,187	70	84	37.989	4.797,950	25.675,457	5,351	4,888
21	35	97.855	52.601,966	1.282.931,938	24,389	23,926	71	85	33.940	4.161,696	20.877,506	5,017	4,553
22	36	97.728	51.003,701	1.230.329,972	24,122	23,659	72	86	30.017	3.573,478	16.715,810	4,678	4,215
23	37	97.599	49.452,842	1.179.326,271	23,847	23,384	73	87	26.041	3.009,804	13.142,332	4,367	3,903
24	38	97.467	47.947,461	1.129.873,429	23,565	23,102	74	88	22.080	2.477,711	10.132,528	4,089	3,626
25	39	97.328	46.484,617	1.081.925,968	23,275	22,812	75	89	18.362	2.000,454	7.654,817	3,827	3,363
26	40	97.179	45.061,595	1.035.441,351	22,978	22,515	76	90	14.917	1.577,820	5.654,363	3,584	3,120
27	41	97.025	43.679,799	990.379,757	22,674	22,210	77	91	11.856	1.217,536	4.076,543	3,348	2,885
28	42	96.860	42.335,355	946.699,957	22,362	21,899	78	92	9.107	907,976	2.859,007	3,149	2,686
29	43	96.680	41.025,882	904.364,602	22,044	21,581	79	93	6.797	657,952	1.951,031	2,965	2,502
30	44	96.487	39.751,274	863.338,720	21,719	21,255	80	94	4.923	462,695	1.293,079	2,795	2,331
31	45	96.282	38.511,592	823.587,446	21,385	20,922	81	95	3.449	314,727	830,385	2,638	2,175
32	46	96.053	37.301,115	785.075,855	21,047	20,584	82	96	2.334	206,771	515,657	2,494	2,031
33	47	95.802	36.120,018	747.774,740	20,703	20,239	83	97	1.517	130,456	308,887	2,368	1,905
34	48	95.532	34.969,082	711.654,722	20,351	19,888	84	98	949	79,255	178,430	2,251	1,788
35	49	95.239	33.846,235	676.685,640	19,993	19,530	85	99	571	46,282	99,175	2,143	1,680
36	50	94.910	32.747,031	642.839,405	19,630	19,167	86	100	331	26,015	52,893	2,033	1,570
37	51	94.563	31.677,105	610.092,374	19,260	18,797	87	101	182	13,891	26,878	1,935	1,472
38	52	94.187	30.632,006	578.415,269	18,883	18,419	88	102	95	7,022	12,987	1,849	1,386
39	53	93.773	29.609,046	547.783,263	18,501	18,037	89	103	47	3,365	5,965	1,773	1,310
40	54	93.332	28.611,711	518.174,218	18,111	17,647	90	104	22	1,527	2,600	1,702	1,239
41	55	92.848	27.634,067	489.562,507	17,716	17,253	91	105	10	0,656	1,073	1,636	1,172
42	56	92.320	26.676,819	461.928,440	17,316	16,853	92	106					
43	57	91.747	25.738,950	435.251,621	16,910	16,447	93	107					
44	58	91.111	24.816,157	409.512,671	16,502	16,039	94	108					
45	59	90.429	23.913,004	384.696,515	16,087	15,624	95	109					
46	60	89.693	23.027,406	360.783,511	15,668	15,204	96	110					
47	61	88.896	22.158,181	337.756,105	15,243	14,780	97	111					
48	62	88.065	21.311,560	315.597,924	14,809	14,346	98	112					
49	63	87.153	20.476,692	294.286,364	14,372	13,909	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -15 Jahre

Zinsfuß 3,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	15	99.441	99.440,794	2.838.094,161	28,541	28,077	50	65	85.542	19.512,694	265.171,681	13,590	13,126
1	16	98.969	96.086,824	2.738.653,367	28,502	28,039	51	66	84.423	18.696,529	245.658,986	13,139	12,676
2	17	98.908	93.230,743	2.642.566,543	28,344	27,881	52	67	83.225	17.894,385	226.962,458	12,683	12,220
3	18	98.867	90.477,150	2.549.335,800	28,177	27,713	53	68	81.896	17.095,735	209.068,073	12,229	11,766
4	19	98.820	87.800,611	2.458.858,649	28,005	27,542	54	69	80.450	16.304,829	191.972,337	11,774	11,311
5	20	98.780	85.208,253	2.371.058,039	27,827	27,363	55	70	78.884	15.521,855	175.667,508	11,317	10,854
6	21	98.735	82.689,005	2.285.849,785	27,644	27,181	56	71	77.181	14.744,368	160.145,653	10,861	10,398
7	22	98.699	80.251,590	2.203.160,781	27,453	26,990	57	72	75.335	13.972,555	145.401,285	10,406	9,943
8	23	98.660	77.883,453	2.122.909,190	27,258	26,794	58	73	73.337	13.205,748	131.428,730	9,952	9,489
9	24	98.623	75.586,286	2.045.025,737	27,056	26,592	59	74	71.158	12.440,222	118.222,982	9,503	9,040
10	25	98.587	73.357,941	1.969.439,451	26,847	26,384	60	75	68.807	11.678,909	105.782,760	9,058	8,594
11	26	98.553	71.197,086	1.896.081,510	26,631	26,168	61	76	66.269	10.920,415	94.103,851	8,617	8,154
12	27	98.512	69.094,049	1.824.884,424	26,412	25,948	62	77	63.578	10.171,764	83.183,436	8,178	7,715
13	28	98.470	67.053,294	1.755.790,375	26,185	25,722	63	78	60.681	9.425,531	73.011,673	7,746	7,283
14	29	98.428	65.072,524	1.688.737,081	25,952	25,488	64	79	57.587	8.684,506	63.586,142	7,322	6,859
15	30	98.381	63.147,063	1.623.664,558	25,712	25,249	65	80	54.294	7.949,409	54.901,636	6,906	6,443
16	31	98.326	61.273,298	1.560.517,495	25,468	25,005	66	81	50.745	7.213,322	46.952,227	6,509	6,046
17	32	98.253	59.444,612	1.499.244,197	25,221	24,758	67	82	46.999	6.486,304	39.738,906	6,127	5,663
18	33	98.168	57.663,452	1.439.799,585	24,969	24,506	68	83	43.020	5.764,246	33.252,602	5,769	5,306
19	34	98.055	55.919,117	1.382.136,134	24,712	24,253	69	84	38.993	5.072,516	27.488,355	5,419	4,956
20	35	97.930	54.221,247	1.326.217,017	24,459	23,996	70	85	34.936	4.412,380	22.415,840	5,080	4,617
21	36	97.805	52.575,036	1.271.995,770	24,194	23,731	71	86	30.993	3.800,358	18.003,460	4,737	4,274
22	37	97.673	50.974,861	1.219.420,734	23,922	23,459	72	87	26.991	3.213,220	14.203,102	4,420	3,957
23	38	97.540	49.422,517	1.168.445,873	23,642	23,179	73	88	22.971	2.655,015	10.989,882	4,139	3,676
24	39	97.399	47.913,921	1.119.023,356	23,355	22,892	74	89	19.176	2.151,825	8.334,866	3,873	3,410
25	40	97.251	46.447,417	1.071.109,436	23,061	22,597	75	90	15.640	1.703,937	6.183,041	3,629	3,165
26	41	97.095	45.022,392	1.024.662,019	22,759	22,296	76	91	12.479	1.319,907	4.479,104	3,394	2,930
27	42	96.930	43.636,622	979.639,627	22,450	21,987	77	92	9.634	989,370	3.159,198	3,193	2,730
28	43	96.751	42.287,742	936.003,005	22,134	21,671	78	93	7.237	721,487	2.169,828	3,007	2,544
29	44	96.555	40.972,630	893.715,263	21,812	21,349	79	94	5.275	510,577	1.448,341	2,837	2,373
30	45	96.352	39.695,940	852.742,633	21,482	21,019	80	95	3.726	350,195	937,765	2,678	2,215
31	46	96.129	38.450,512	813.046,693	21,145	20,682	81	96	2.543	232,024	587,570	2,532	2,069
32	47	95.881	37.234,123	774.596,182	20,803	20,340	82	97	1.674	148,289	355,545	2,398	1,934
33	48	95.616	36.049,777	737.362,059	20,454	19,991	83	98	1.057	90,895	207,257	2,280	1,817
34	49	95.330	34.894,950	701.312,281	20,098	19,635	84	99	642	53,579	116,362	2,172	1,709
35	50	95.009	33.764,776	666.417,332	19,737	19,274	85	100	374	30,318	62,783	2,071	1,608
36	51	94.670	32.664,291	632.652,555	19,368	18,905	86	101	210	16,492	32,465	1,969	1,505
37	52	94.301	31.589,130	599.988,264	18,994	18,530	87	102	111	8,511	15,973	1,877	1,414
38	53	93.902	30.539,399	568.399,134	18,612	18,149	88	103	56	4,153	7,462	1,797	1,334
39	54	93.477	29.515,554	537.859,735	18,223	17,760	89	104	27	1,918	3,309	1,725	1,262
40	55	93.008	28.512,192	508.344,181	17,829	17,366	90	105	12	0,838	1,391	1,659	1,196
41	56	92.496	27.529,421	479.831,989	17,430	16,967	91	106					
42	57	91.950	26.569,719	452.302,568	17,023	16,560	92	107					
43	58	91.337	25.624,075	425.732,849	16,615	16,151	93	108					
44	59	90.673	24.696,651	400.108,775	16,201	15,738	94	109					
45	60	89.970	23.791,435	375.412,123	15,779	15,316	95	110					
46	61	89.199	22.900,657	351.620,688	15,354	14,891	96	111					
47	62	88.396	22.033,489	328.720,031	14,919	14,456	97	112					
48	63	87.511	21.177,449	306.686,542	14,482	14,019	98						
49	64	86.560	20.337,413	285.509,093	14,039		99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -16 Jahre

Zinsfuß 3,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	16	99.423	99.423,027	2.826.170,673	28,426	27,962	50	66	84.843	19.353,327	256.197,232	13,238	12,775
1	17	98.948	96.066,476	2.726.747,646	28,384	27,921	51	67	83.658	18.527,202	236.843,905	12,784	12,320
2	18	98.887	93.210,231	2.630.681,170	28,223	27,760	52	68	82.379	17.712,489	218.316,703	12,326	11,862
3	19	98.838	90.451,130	2.537.470,940	28,054	27,590	53	69	80.959	16.900,202	200.604,214	11,870	11,407
4	20	98.793	87.776,272	2.447.019,810	27,878	27,415	54	70	79.424	16.096,809	183.704,012	11,412	10,949
5	21	98.749	85.181,340	2.359.243,538	27,697	27,233	55	71	77.763	15.301,235	167.607,203	10,954	10,491
6	22	98.711	82.668,773	2.274.062,198	27,508	27,045	56	72	75.930	14.505,328	152.305,968	10,500	10,037
7	23	98.673	80.229,863	2.191.393,425	27,314	26,851	57	73	73.977	13.720,643	137.800,640	10,043	9,580
8	24	98.635	77.863,133	2.111.163,562	27,114	26,651	58	74	71.843	12.936,716	124.079,998	9,591	9,128
9	25	98.596	75.565,751	2.033.300,429	26,908	26,444	59	75	69.538	12.157,061	111.143,282	9,142	8,679
10	26	98.563	73.339,890	1.957.734,679	26,694	26,231	60	76	67.023	11.376,104	98.986,221	8,701	8,238
11	27	98.526	71.177,154	1.884.394,789	26,475	26,011	61	77	64.351	10.604,287	87.610,117	8,262	7,799
12	28	98.483	69.073,913	1.813.217,635	26,250	25,787	62	78	61.509	9.840,851	77.005,830	7,825	7,362
13	29	98.441	67.033,391	1.744.143,722	26,019	25,556	63	79	58.432	9.076,201	67.164,979	7,400	6,937
14	30	98.399	65.053,476	1.677.110,331	25,780	25,317	64	80	55.165	8.319,182	58.088,779	6,983	6,519
15	31	98.349	63.126,387	1.612.056,855	25,537	25,074	65	81	51.649	7.562,158	49.769,597	6,581	6,118
16	32	98.291	61.251,410	1.548.930,467	25,288	24,825	66	82	47.916	6.811,223	42.207,438	6,197	5,734
17	33	98.218	59.423,475	1.487.679,057	25,035	24,572	67	83	43.962	6.067,132	35.396,215	5,834	5,371
18	34	98.129	57.640,411	1.428.255,582	24,779	24,315	68	84	39.938	5.351,192	29.329,083	5,481	5,018
19	35	98.009	55.892,901	1.370.615,171	24,522	24,059	69	85	35.860	4.664,880	23.977,891	5,140	4,677
20	36	97.879	54.193,488	1.314.722,271	24,260	23,797	70	86	31.903	4.029,277	19.313,010	4,793	4,330
21	37	97.750	52.545,307	1.260.528,782	23,989	23,526	71	87	27.869	3.417,227	15.283,734	4,473	4,009
22	38	97.613	50.943,602	1.207.983,476	23,712	23,249	72	88	23.809	2.834,453	11.866,506	4,187	3,723
23	39	97.471	49.387,945	1.157.039,874	23,428	22,964	73	89	19.950	2.305,809	9.032,053	3,917	3,454
24	40	97.321	47.875,577	1.107.651,929	23,136	22,673	74	90	16.334	1.832,871	6.726,244	3,670	3,207
25	41	97.166	46.407,009	1.059.776,352	22,837	22,373	75	91	13.084	1.425,408	4.893,373	3,433	2,970
26	42	96.999	44.977,888	1.013.369,343	22,530	22,067	76	92	10.140	1.072,556	3.467,965	3,233	2,770
27	43	96.821	43.587,545	968.391,455	22,217	21,754	77	93	7.656	786,163	2.395,409	3,047	2,584
28	44	96.626	42.232,851	924.803,910	21,898	21,435	78	94	5.616	559,880	1.609,246	2,874	2,411
29	45	96.420	40.915,596	882.571,058	21,571	21,107	79	95	3.992	386,435	1.049,365	2,716	2,252
30	46	96.200	39.632,981	841.655,463	21,236	20,773	80	96	2.747	258,172	662,930	2,568	2,105
31	47	95.957	38.381,455	802.022,481	20,896	20,433	81	97	1.824	166,400	404,758	2,432	1,969
32	48	95.694	37.161,716	763.641,026	20,549	20,086	82	98	1.166	103,319	238,359	2,307	1,844
33	49	95.413	35.973,354	726.479,310	20,195	19,732	83	99	714	61,447	135,039	2,198	1,734
34	50	95.100	34.810,967	690.505,956	19,836	19,373	84	100	420	35,098	73,592	2,097	1,634
35	51	94.769	33.679,465	655.694,989	19,469	19,005	85	101	237	19,220	38,494	2,003	1,540
36	52	94.407	32.573,575	622.015,524	19,096	18,632	86	102	128	10,105	19,274	1,907	1,444
37	53	94.016	31.493,630	589.441,949	18,716	18,253	87	103	66	5,033	9,169	1,822	1,358
38	54	93.606	30.442,970	557.948,319	18,328	17,864	88	104	32	2,368	4,136	1,747	1,284
39	55	93.151	29.412,892	527.505,350	17,934	17,471	89	105	15	1,053	1,768	1,679	1,216
40	56	92.656	28.404,221	498.092,458	17,536	17,073	90	106					
41	57	92.125	27.418,898	469.688,237	17,130	16,667	91	107					
42	58	91.539	26.451,136	442.269,340	16,720	16,257	92	108					
43	59	90.898	25.500,679	415.818,204	16,306	15,843	93	109					
44	60	90.212	24.571,099	390.317,525	15,885	15,422	94	110					
45	61	89.474	23.660,481	365.746,426	15,458	14,995	95	111					
46	62	88.697	22.771,787	342.085,945	15,022	14,559	96	112					
47	63	87.840	21.894,834	319.314,158	14,584	14,121	97						
48	64	86.915	21.033,403	297.419,324	14,140	13,677	98						
49	65	85.927	20.188,689	276.385,920	13,690		99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -17 Jahre

Zinsfuß 3,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	17	99.402	99.401,972	2.813.683,520	28,306	27,843	50	67	84.075	19.178,052	246.899,183	12,874	12,411
1	18	98.927	96.045,339	2.714.281,548	28,260	27,797	51	68	82.808	18.338,873	227.721,131	12,417	11,954
2	19	98.858	93.183,424	2.618.236,209	28,098	27,634	52	69	81.437	17.509,901	209.382,258	11,958	11,495
3	20	98.811	90.426,056	2.525.052,785	27,924	27,461	53	70	79.926	16.684,586	191.872,357	11,500	11,037
4	21	98.762	87.748,547	2.434.626,729	27,745	27,282	54	71	78.295	15.868,016	175.187,771	11,040	10,577
5	22	98.724	85.160,498	2.346.878,182	27,558	27,095	55	72	76.502	15.053,167	159.319,755	10,584	10,121
6	23	98.684	82.646,391	2.261.717,683	27,366	26,903	56	73	74.561	14.243,810	144.266,588	10,128	9,665
7	24	98.647	80.208,931	2.179.071,292	27,167	26,704	57	74	72.470	13.441,121	130.022,778	9,674	9,210
8	25	98.608	77.841,979	2.098.862,361	26,963	26,500	58	75	70.208	12.642,254	116.581,657	9,222	8,758
9	26	98.572	75.547,157	2.021.020,382	26,752	26,289	59	76	67.735	11.841,858	103.939,403	8,777	8,314
10	27	98.535	73.319,358	1.945.473,226	26,534	26,071	60	77	65.083	11.046,784	92.097,545	8,337	7,874
11	28	98.497	71.156,410	1.872.153,868	26,310	25,847	61	78	62.257	10.259,303	81.050,760	7,900	7,437
12	29	98.454	69.053,410	1.800.997,457	26,081	25,618	62	79	59.230	9.476,128	70.791,457	7,471	7,007
13	30	98.412	67.013,770	1.731.944,047	25,845	25,381	63	80	55.974	8.694,400	61.315,329	7,052	6,589
14	31	98.367	65.032,177	1.664.930,277	25,602	25,138	64	81	52.478	7.913,919	52.620,930	6,649	6,186
15	32	98.314	63.103,838	1.599.898,101	25,353	24,890	65	82	48.770	7.140,614	44.707,011	6,261	5,798
16	33	98.256	61.229,631	1.536.794,263	25,099	24,636	66	83	44.820	6.371,054	37.566,397	5,896	5,433
17	34	98.179	59.399,730	1.475.564,632	24,841	24,378	67	84	40.812	5.632,374	31.195,343	5,539	5,075
18	35	98.083	57.613,388	1.416.164,901	24,580	24,117	68	85	36.728	4.921,162	25.562,969	5,194	4,731
19	36	97.958	55.864,286	1.358.551,513	24,319	23,856	69	86	32.746	4.259,854	20.641,807	4,846	4,382
20	37	97.824	54.162,844	1.302.687,227	24,051	23,588	70	87	28.687	3.623,067	16.381,953	4,522	4,058
21	38	97.690	52.513,085	1.248.524,383	23,775	23,312	71	88	24.584	3.014,413	12.758,885	4,233	3,769
22	39	97.545	50.907,966	1.196.011,298	23,494	23,030	72	89	20.678	2.461,646	9.744,473	3,959	3,495
23	40	97.393	49.348,422	1.145.103,332	23,204	22,741	73	90	16.993	1.964,031	7.282,827	3,708	3,245
24	41	97.237	47.833,926	1.095.754,910	22,907	22,444	74	91	13.664	1.533,266	5.318,796	3,469	3,006
25	42	97.070	46.361,136	1.047.920,984	22,603	22,140	75	92	10.632	1.158,287	3.785,529	3,268	2,805
26	43	96.890	44.927,302	1.001.559,848	22,293	21,830	76	93	8.058	852,264	2.627,242	3,083	2,619
27	44	96.695	43.530,968	956.632,546	21,976	21,513	77	94	5.941	610,070	1.774,979	2,909	2,446
28	45	96.491	42.174,063	913.101,578	21,651	21,188	78	95	4.250	423,751	1.164,909	2,749	2,286
29	46	96.267	40.850,703	870.927,515	21,320	20,857	79	96	2.943	284,889	741,158	2,602	2,138
30	47	96.027	39.561,801	830.076,812	20,982	20,519	80	97	1.970	185,152	456,269	2,464	2,001
31	48	95.770	38.306,817	790.515,011	20,636	20,173	81	98	1.271	115,938	271,118	2,338	1,875
32	49	95.492	37.082,935	752.208,193	20,284	19,821	82	99	788	69,847	155,179	2,222	1,758
33	50	95.184	35.886,776	715.125,258	19,927	19,464	83	100	468	40,253	85,333	2,120	1,657
34	51	94.860	34.723,013	679.238,482	19,562	19,098	84	101	266	22,250	45,080	2,026	1,563
35	52	94.506	33.585,929	644.515,469	19,190	18,727	85	102	145	11,776	22,830	1,939	1,475
36	53	94.122	32.475,098	610.929,540	18,812	18,349	86	103	76	5,976	11,053	1,850	1,386
37	54	93.719	31.394,187	578.454,442	18,426	17,962	87	104	38	2,870	5,078	1,769	1,306
38	55	93.280	30.337,082	547.060,255	18,033	17,570	88	105	18	1,299	2,208	1,699	1,236
39	56	92.799	29.301,509	516.723,173	17,635	17,171	89						
40	57	92.284	28.290,186	487.421,664	17,229	16,766	90						
41	58	91.714	27.296,525	459.131,478	16,820	16,357	91						
42	59	91.099	26.323,757	431.834,953	16,405	15,942	92						
43	60	90.435	25.371,039	405.511,196	15,983	15,520	93						
44	61	89.715	24.435,853	380.140,158	15,557	15,093	94						
45	62	88.971	23.527,336	355.704,304	15,119	14,656	95						
46	63	88.139	22.628,486	332.176,969	14,680	14,216	96						
47	64	87.242	21.745,909	309.548,482	14,235	13,772	97						
48	65	86.280	20.879,590	287.802,573	13,784	13,321	98						
49	66	85.226	20.023,800	266.922,983	13,330	12,867	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -18 Jahre

Zinsfuß 3,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	18	99.380	99.380,101	2.800.626,019	28,181	27,718	50	68	83.220	18.983,107	237.291,530	12,500	12,037
1	19	98.898	96.017,717	2.701.245,918	28,133	27,670	51	69	81.861	18.129,121	218.308,422	12,042	11,579
2	20	98.831	93.157,593	2.605.228,201	27,966	27,503	52	70	80.398	17.286,506	200.179,301	11,580	11,117
3	21	98.780	90.397,494	2.512.070,608	27,789	27,326	53	71	78.790	16.447,439	182.892,795	11,120	10,657
4	22	98.738	87.727,078	2.421.673,113	27,605	27,141	54	72	77.025	15.610,760	166.445,356	10,662	10,199
5	23	98.698	85.137,442	2.333.946,036	27,414	26,951	55	73	75.123	14.781,772	150.834,596	10,204	9,741
6	24	98.658	82.624,829	2.248.808,594	27,217	26,754	56	74	73.042	13.953,630	136.052,824	9,750	9,287
7	25	98.620	80.187,140	2.166.183,765	27,014	26,551	57	75	70.820	13.135,178	122.099,194	9,296	8,832
8	26	98.584	77.822,825	2.085.996,626	26,804	26,341	58	76	68.387	12.314,472	108.964,017	8,848	8,385
9	27	98.544	75.526,006	2.008.173,801	26,589	26,126	59	77	65.775	11.499,056	96.649,545	8,405	7,942
10	28	98.506	73.297,990	1.932.647,794	26,367	25,904	60	78	62.966	10.687,405	85.150,489	7,967	7,504
11	29	98.468	71.135,290	1.859.349,804	26,138	25,675	61	79	59.950	9.879,072	74.463,084	7,537	7,074
12	30	98.425	69.033,198	1.788.214,515	25,904	25,440	62	80	56.738	9.077,504	64.584,013	7,115	6,652
13	31	98.380	66.991,828	1.719.181,317	25,663	25,199	63	81	53.247	8.270,858	55.506,509	6,711	6,248
14	32	98.332	65.008,947	1.652.189,488	25,415	24,952	64	82	49.552	7.472,766	47.235,651	6,321	5,858
15	33	98.279	63.081,400	1.587.180,542	25,161	24,698	65	83	45.619	6.679,158	39.762,885	5,953	5,490
16	34	98.216	61.205,165	1.524.099,142	24,901	24,438	66	84	41.608	5.914,517	33.083,727	5,594	5,130
17	35	98.133	59.371,883	1.462.893,977	24,640	24,176	67	85	37.532	5.179,748	27.169,210	5,245	4,782
18	36	98.033	57.583,892	1.403.522,094	24,374	23,910	68	86	33.539	4.493,884	21.989,462	4,893	4,430
19	37	97.903	55.832,697	1.345.938,202	24,107	23,643	69	87	29.445	3.830,399	17.495,577	4,568	4,104
20	38	97.764	54.129,630	1.290.105,505	23,834	23,370	70	88	25.305	3.195,989	13.665,178	4,276	3,813
21	39	97.621	52.476,351	1.235.975,875	23,553	23,090	71	89	21.350	2.617,936	10.469,190	3,999	3,536
22	40	97.467	50.867,227	1.183.499,523	23,266	22,803	72	90	17.613	2.096,769	7.851,254	3,744	3,281
23	41	97.309	49.305,490	1.132.632,297	22,972	22,509	73	91	14.215	1.642,987	5.754,485	3,502	3,039
24	42	97.140	47.786,643	1.083.326,807	22,670	22,207	74	92	11.103	1.245,932	4.111,498	3,300	2,837
25	43	96.961	46.308,995	1.035.540,164	22,362	21,898	75	93	8.448	920,386	2.865,566	3,113	2,650
26	44	96.764	44.868,986	989.231,169	22,047	21,584	76	94	6.253	661,365	1.945,179	2,941	2,478
27	45	96.560	43.470,372	944.362,183	21,724	21,261	77	95	4.496	461,737	1.283,815	2,780	2,317
28	46	96.338	42.107,174	900.891,811	21,395	20,932	78	96	3.133	312,399	822,078	2,631	2,168
29	47	96.094	40.777,336	858.784,636	21,060	20,597	79	97	2.111	204,312	509,679	2,495	2,031
30	48	95.840	39.484,868	818.007,300	20,717	20,254	80	98	1.373	129,004	305,367	2,367	1,904
31	49	95.567	38.225,609	778.522,433	20,367	19,903	81	99	859	78,377	176,363	2,250	1,787
32	50	95.262	36.993,687	740.296,824	20,011	19,548	82	100	517	45,755	97,986	2,142	1,678
33	51	94.943	35.796,104	703.303,137	19,647	19,184	83	101	297	25,518	52,231	2,047	1,584
34	52	94.597	34.626,579	667.507,033	19,277	18,814	84	102	163	13,633	26,713	1,959	1,496
35	53	94.220	33.484,392	632.880,454	18,901	18,438	85	103	86	6,965	13,080	1,878	1,415
36	54	93.825	32.372,556	599.396,062	18,516	18,052	86	104	43	3,407	6,115	1,795	1,332
37	55	93.393	31.284,991	567.023,506	18,124	17,661	87	105	21	1,575	2,709	1,720	1,257
38	56	92.927	30.222,199	535.738,515	17,727	17,263	88	106					
39	57	92.426	29.183,872	505.516,316	17,322	16,859	89	107					
40	58	91.872	28.163,924	476.332,444	16,913	16,450	90	108					
41	59	91.272	27.165,075	448.168,520	16,498	16,035	91	109					
42	60	90.635	26.189,933	421.003,445	16,075	15,612	92	110					
43	61	89.938	25.231,390	394.813,512	15,648	15,184	93	111					
44	62	89.210	24.298,344	369.582,122	15,210	14,747	94	112					
45	63	88.411	23.379,280	345.283,778	14,769	14,306	95						
46	64	87.539	22.474,571	321.904,497	14,323	13,860	96						
47	65	86.604	21.586,885	299.429,926	13,871	13,408	97						
48	66	85.575	20.709,058	277.843,041	13,416	12,953	98						
49	67	84.454	19.842,453	257.133,983	12,959	12,496	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -19 Jahre

Zinsfuß 3,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	19	99.352	99.351,520	2.786.989,027	28,052	27,589	50	69	82.268	18.765,986	227.392,933	12,117	11,654
1	20	98.871	95.991,100	2.687.637,506	27,999	27,536	51	70	80.816	17.897,827	208.626,947	11,657	11,193
2	21	98.800	93.128,169	2.591.646,406	27,829	27,366	52	71	79.255	17.040,804	190.729,120	11,192	10,729
3	22	98.756	90.375,377	2.498.518,237	27,646	27,183	53	72	77.513	16.180,789	173.688,316	10,734	10,271
4	23	98.711	87.703,326	2.408.142,860	27,458	26,995	54	73	75.637	15.329,312	157.507,527	10,275	9,812
5	24	98.672	85.115,229	2.320.439,534	27,262	26,799	55	74	73.593	14.480,632	142.178,216	9,819	9,355
6	25	98.632	82.602,381	2.235.324,305	27,061	26,598	56	75	71.379	13.636,021	127.697,584	9,365	8,902
7	26	98.596	80.167,408	2.152.721,924	26,853	26,390	57	76	68.984	12.794,615	114.061,562	8,915	8,452
8	27	98.556	77.801,037	2.072.554,515	26,639	26,176	58	77	66.408	11.957,988	101.266,947	8,469	8,005
9	28	98.516	75.503,996	1.994.753,478	26,419	25,956	59	78	63.635	11.124,963	89.308,959	8,028	7,565
10	29	98.477	73.276,234	1.919.249,482	26,192	25,729	60	79	60.632	10.291,307	78.183,996	7,597	7,134
11	30	98.439	71.114,468	1.845.973,248	25,958	25,495	61	80	57.428	9.463,497	67.892,689	7,174	6,711
12	31	98.393	69.010,595	1.774.858,781	25,719	25,255	62	81	53.974	8.635,299	58.429,192	6,766	6,303
13	32	98.345	66.967,898	1.705.848,185	25,473	25,009	63	82	50.279	7.809,808	49.793,893	6,376	5,913
14	33	98.297	64.985,831	1.638.880,287	25,219	24,756	64	83	46.350	6.989,845	41.984,085	6,006	5,543
15	34	98.239	63.056,194	1.573.894,456	24,960	24,497	65	84	42.350	6.200,544	34.994,240	5,644	5,181
16	35	98.170	61.176,471	1.510.838,262	24,696	24,233	66	85	38.264	5.439,218	28.793,697	5,294	4,830
17	36	98.082	59.341,487	1.449.661,791	24,429	23,966	67	86	34.273	4.730,018	23.354,479	4,938	4,474
18	37	97.977	57.551,331	1.390.320,305	24,158	23,695	68	87	30.158	4.040,836	18.624,461	4,609	4,146
19	38	97.843	55.798,460	1.332.768,974	23,885	23,422	69	88	25.974	3.378,881	14.583,625	4,316	3,853
20	39	97.696	54.091,766	1.276.970,514	23,607	23,144	70	89	21.977	2.775,630	11.204,744	4,037	3,574
21	40	97.543	52.434,357	1.222.878,748	23,322	22,859	71	90	18.186	2.229,893	8.429,114	3,780	3,317
22	41	97.382	50.822,973	1.170.444,392	23,030	22,567	72	91	14.734	1.754,027	6.199,221	3,534	3,071
23	42	97.212	49.256,752	1.119.621,419	22,730	22,267	73	92	11.551	1.335,091	4.445,194	3,330	2,866
24	43	97.031	47.732,899	1.070.364,667	22,424	21,961	74	93	8.823	990,030	3.110,103	3,141	2,678
25	44	96.835	46.248,885	1.022.631,768	22,111	21,648	75	94	6.556	714,228	2.120,073	2,968	2,505
26	45	96.629	44.806,528	976.382,883	21,791	21,328	76	95	4.732	500,560	1.405,845	2,809	2,345
27	46	96.407	43.401,428	931.576,355	21,464	21,001	77	96	3.315	340,403	905,285	2,659	2,196
28	47	96.165	42.031,551	888.174,927	21,131	20,668	78	97	2.247	224,041	564,881	2,521	2,058
29	48	95.908	40.698,038	846.143,377	20,791	20,328	79	98	1.471	142,353	340,840	2,394	1,931
30	49	95.637	39.401,162	805.445,338	20,442	19,979	80	99	928	87,210	198,487	2,276	1,813
31	50	95.337	38.133,611	766.044,176	20,088	19,625	81	100	563	51,343	111,277	2,167	1,704
32	51	95.021	36.900,218	727.910,565	19,726	19,263	82	101	327	29,006	59,933	2,066	1,603
33	52	94.680	35.696,689	691.010,347	19,358	18,895	83	102	182	15,635	30,927	1,978	1,515
34	53	94.311	34.521,895	655.313,658	18,983	18,519	84	103	97	8,062	15,292	1,897	1,434
35	54	93.923	33.378,664	620.791,763	18,598	18,135	85	104	49	3,970	7,230	1,821	1,358
36	55	93.498	32.259,957	587.413,099	18,209	17,746	86	105	24	1,870	3,259	1,743	1,280
37	56	93.039	31.166,519	555.153,142	17,812	17,349	87	106					
38	57	92.554	30.100,866	523.986,623	17,408	16,944	88	107					
39	58	92.014	29.053,622	493.885,758	16,999	16,536	89	108					
40	59	91.429	28.028,297	464.832,136	16,584	16,121	90	109					
41	60	90.808	27.026,974	436.803,839	16,162	15,699	91	110					
42	61	90.137	26.045,777	409.776,865	15,733	15,270	92	111					
43	62	89.432	25.089,404	383.731,089	15,295	14,831	93	112					
44	63	88.649	24.145,437	358.641,684	14,853	14,390	94						
45	64	87.810	23.220,258	334.496,247	14,405	13,942	95						
46	65	86.899	22.310,219	311.275,989	13,952	13,489	96						
47	66	85.897	21.410,577	288.965,770	13,496	13,033	97						
48	67	84.800	20.521,505	267.555,193	13,038	12,575	98						
49	68	83.595	19.640,755	247.033,688	12,578	12,114	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -20 Jahre

Zinsfuß 3,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	20	99.324	99.323,980	2.772.769,441	27,916	27,453	50	70	81.219	18.526,567	217.225,483	11,725	11,262
1	21	98.840	95.960,781	2.673.445,462	27,860	27,397	51	71	79.668	17.643,435	198.698,916	11,262	10,799
2	22	98.776	93.105,383	2.577.484,681	27,684	27,220	52	72	77.970	16.764,534	181.055,481	10,800	10,337
3	23	98.729	90.350,908	2.484.379,298	27,497	27,034	53	73	76.115	15.889,063	164.290,947	10,340	9,877
4	24	98.685	87.680,444	2.394.028,389	27,304	26,841	54	74	74.096	15.017,017	148.401,883	9,882	9,419
5	25	98.645	85.092,105	2.306.347,945	27,104	26,641	55	75	71.918	14.151,028	133.384,866	9,426	8,963
6	26	98.607	82.582,055	2.221.255,840	26,898	26,434	56	76	69.529	13.282,473	119.233,838	8,977	8,514
7	27	98.568	80.144,965	2.138.673,785	26,685	26,222	57	77	66.987	12.424,232	105.951,365	8,528	8,065
8	28	98.527	77.778,364	2.058.528,820	26,467	26,003	58	78	64.247	11.568,965	93.527,133	8,084	7,621
9	29	98.486	75.481,585	1.980.750,456	26,242	25,778	59	79	61.276	10.712,648	81.958,168	7,651	7,187
10	30	98.448	73.254,785	1.905.268,872	26,009	25,546	60	80	58.082	9.858,391	71.245,520	7,227	6,764
11	31	98.407	71.091,184	1.832.014,086	25,770	25,307	61	81	54.630	9.002,489	61.387,128	6,819	6,356
12	32	98.357	68.985,944	1.760.922,903	25,526	25,063	62	82	50.965	8.153,934	52.384,640	6,424	5,961
13	33	98.310	66.944,086	1.691.936,959	25,274	24,811	63	83	47.030	7.305,106	44.230,706	6,055	5,592
14	34	98.258	64.959,864	1.624.992,873	25,015	24,552	64	84	43.029	6.488,967	36.925,600	5,691	5,227
15	35	98.193	63.026,632	1.560.033,008	24,752	24,289	65	85	38.946	5.702,258	30.436,632	5,338	4,874
16	36	98.120	61.145,151	1.497.006,376	24,483	24,020	66	86	34.942	4.966,960	24.734,374	4,980	4,517
17	37	98.027	59.307,932	1.435.861,225	24,210	23,747	67	87	30.818	4.253,164	19.767,415	4,648	4,184
18	38	97.917	57.516,040	1.376.553,294	23,933	23,470	68	88	26.603	3.564,512	15.514,250	4,352	3,889
19	39	97.774	55.759,428	1.319.037,254	23,656	23,193	69	89	22.558	2.934,467	11.949,739	4,072	3,609
20	40	97.618	54.048,478	1.263.277,826	23,373	22,910	70	90	18.719	2.364,213	9.015,272	3,813	3,350
21	41	97.458	52.388,740	1.209.229,348	23,082	22,619	71	91	15.213	1.865,390	6.651,060	3,566	3,102
22	42	97.286	50.772,735	1.156.840,608	22,785	22,321	72	92	11.973	1.425,322	4.785,669	3,358	2,894
23	43	97.103	49.201,354	1.106.067,873	22,480	22,017	73	93	9.179	1.060,877	3.360,347	3,168	2,704
24	44	96.905	47.670,940	1.056.866,519	22,170	21,707	74	94	6.847	768,273	2.299,470	2,993	2,530
25	45	96.700	46.184,506	1.009.195,579	21,851	21,388	75	95	4.962	540,570	1.531,197	2,833	2,369
26	46	96.476	44.735,464	963.011,073	21,527	21,064	76	96	3.489	369,025	990,627	2,684	2,221
27	47	96.234	43.323,480	918.275,609	21,196	20,733	77	97	2.377	244,125	621,603	2,546	2,083
28	48	95.978	41.949,814	874.952,129	20,857	20,394	78	98	1.566	156,100	377,477	2,418	1,955
29	49	95.704	40.611,761	833.002,314	20,511	20,048	79	99	994	96,235	221,378	2,300	1,837
30	50	95.407	39.306,335	792.390,553	20,159	19,696	80	100	608	57,129	125,143	2,191	1,727
31	51	95.096	38.037,261	753.084,218	19,799	19,335	81	101	357	32,549	68,014	2,090	1,626
32	52	94.757	36.797,737	715.046,957	19,432	18,969	82	102	201	17,772	35,465	1,996	1,532
33	53	94.393	35.588,771	678.249,220	19,058	18,595	83	103	108	9,247	17,693	1,913	1,450
34	54	94.013	34.412,891	642.660,450	18,675	18,212	84	104	55	4,596	8,446	1,838	1,374
35	55	93.596	33.262,565	608.247,559	18,286	17,823	85	105	27	2,179	3,850	1,767	1,303
36	56	93.144	32.137,793	574.984,994	17,891	17,428	86	106					
37	57	92.666	31.041,394	542.847,201	17,488	17,025	87	107					
38	58	92.141	29.966,523	511.805,807	17,079	16,616	88	108					
39	59	91.570	28.913,710	481.839,284	16,665	16,202	89	109					
40	60	90.965	27.885,807	452.925,574	16,242	15,779	90	110					
41	61	90.308	26.878,210	425.039,767	15,814	15,350	91	111					
42	62	89.629	25.899,208	398.161,556	15,374	14,910	92	112					
43	63	88.869	24.931,519	372.262,348	14,931	14,468	93						
44	64	88.046	23.981,204	347.330,829	14,483	14,020	94						
45	65	87.167	23.050,453	323.349,625	14,028	13,565	95						
46	66	86.190	22.128,003	300.299,172	13,571	13,108	96						
47	67	85.119	21.216,671	278.171,169	13,111	12,648	97						
48	68	83.938	20.312,904	256.954,499	12,650	12,187	98						
49	69	82.639	19.416,112	236.641,595	12,188	11,725	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -21 Jahre

Zinsfuß 3,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	21	99.293	99.292,607	2.757.956,222	27,776	27,313	50	71	80.064	18.263,239	206.812,280	11,324	10,861
1	22	98.815	95.937,302	2.658.663,615	27,713	27,249	51	72	78.376	17.357,395	188.549,042	10,863	10,400
2	23	98.749	93.080,176	2.562.726,313	27,532	27,069	52	73	76.564	16.462,284	171.191,647	10,399	9,936
3	24	98.703	90.327,335	2.469.646,137	27,341	26,878	53	74	74.565	15.565,366	154.729,362	9,941	9,477
4	25	98.658	87.656,623	2.379.318,802	27,144	26,680	54	75	72.409	14.675,204	139.163,997	9,483	9,020
5	26	98.621	85.071,167	2.291.662,178	26,938	26,475	55	76	70.053	13.784,127	124.488,792	9,031	8,568
6	27	98.580	82.558,936	2.206.591,012	26,727	26,264	56	77	67.516	12.897,967	110.704,665	8,583	8,120
7	28	98.539	80.121,608	2.124.032,076	26,510	26,047	57	78	64.808	12.020,041	97.806,698	8,137	7,674
8	29	98.498	77.755,277	2.043.910,468	26,286	25,823	58	79	61.866	11.140,194	85.786,657	7,701	7,237
9	30	98.458	75.459,490	1.966.155,191	26,056	25,593	59	80	58.699	10.262,009	74.646,463	7,274	6,811
10	31	98.416	73.230,800	1.890.695,700	25,818	25,355	60	81	55.252	9.378,146	64.384,454	6,865	6,402
11	32	98.372	71.065,789	1.817.464,900	25,574	25,111	61	82	51.585	8.500,655	55.006,308	6,471	6,008
12	33	98.322	68.961,414	1.746.399,110	25,324	24,861	62	83	47.672	7.626,993	46.505,653	6,098	5,634
13	34	98.270	66.917,337	1.677.437,696	25,067	24,604	63	84	43.660	6.781,637	38.878,660	5,733	5,270
14	35	98.212	64.929,410	1.610.520,359	24,804	24,341	64	85	39.571	5.967,504	32.097,023	5,379	4,915
15	36	98.143	62.994,365	1.545.590,950	24,535	24,072	65	86	35.565	5.207,162	26.129,519	5,018	4,555
16	37	98.065	61.110,576	1.482.596,585	24,261	23,798	66	87	31.419	4.466,218	20.922,357	4,685	4,221
17	38	97.967	59.271,563	1.421.486,009	23,983	23,519	67	88	27.185	3.751,811	16.456,139	4,386	3,923
18	39	97.849	57.475,806	1.362.214,446	23,701	23,237	68	89	23.104	3.095,682	12.704,328	4,104	3,641
19	40	97.696	55.714,806	1.304.738,639	23,418	22,955	69	90	19.214	2.499,506	9.608,646	3,844	3,381
20	41	97.533	54.001,457	1.249.023,834	23,129	22,666	70	91	15.660	1.977,754	7.109,140	3,595	3,131
21	42	97.362	52.336,954	1.195.022,377	22,833	22,370	71	92	12.362	1.515,816	5.131,386	3,385	2,922
22	43	97.176	50.715,632	1.142.685,423	22,531	22,068	72	93	9.514	1.132,576	3.615,570	3,192	2,729
23	44	96.977	49.137,490	1.091.969,790	22,223	21,760	73	94	7.123	823,250	2.482,994	3,016	2,553
24	45	96.770	47.604,582	1.042.832,300	21,906	21,443	74	95	5.182	581,474	1.659,744	2,854	2,391
25	46	96.547	46.111,257	995.227,718	21,583	21,120	75	96	3.658	398,521	1.078,270	2,706	2,242
26	47	96.303	44.655,120	949.116,461	21,254	20,791	76	97	2.502	264,651	679,749	2,568	2,105
27	48	96.047	43.239,231	904.461,341	20,918	20,454	77	98	1.656	170,093	415,097	2,440	1,977
28	49	95.775	41.860,883	861.222,110	20,573	20,110	78	99	1.058	105,528	245,004	2,322	1,858
29	50	95.474	40.514,020	819.361,227	20,224	19,761	79	100	651	63,041	139,476	2,212	1,749
30	51	95.166	39.207,022	778.847,206	19,865	19,402	80	101	385	36,217	76,435	2,110	1,647
31	52	94.832	37.931,623	739.640,184	19,499	19,036	81	102	219	19,943	40,219	2,017	1,553
32	53	94.471	36.686,490	701.708,562	19,127	18,664	82	103	119	10,511	20,276	1,929	1,466
33	54	94.095	35.476,398	665.022,072	18,745	18,282	83	104	61	5,271	9,765	1,853	1,389
34	55	93.686	34.293,195	629.545,674	18,358	17,895	84	105	30	2,523	4,494	1,781	1,318
35	56	93.242	33.136,604	595.252,480	17,964	17,500	85	106					
36	57	92.770	32.008,769	562.115,876	17,561	17,098	86	107					
37	58	92.252	30.902,854	530.107,107	17,154	16,691	87	108					
38	59	91.697	29.822,215	499.204,253	16,739	16,276	88	109					
39	60	91.105	28.766,719	469.382,038	16,317	15,854	89	110					
40	61	90.464	27.732,317	440.615,319	15,888	15,425	90	111					
41	62	89.800	26.726,957	412.883,002	15,448	14,985	91	112					
42	63	89.065	25.736,227	386.156,045	15,004	14,541	92						
43	64	88.264	24.761,939	360.419,818	14,555	14,092	93						
44	65	87.402	23.805,834	335.657,879	14,100	13,637	94						
45	66	86.456	22.862,191	311.852,045	13,641	13,177	95						
46	67	85.409	21.927,599	288.989,854	13,179	12,716	96						
47	68	84.254	21.001,003	267.062,255	12,717	12,253	97						
48	69	82.978	20.080,574	246.061,252	12,254	11,790	98						
49	70	81.585	19.168,398	225.980,678	11,789	11,326	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -22 Jahre

Zinsfuß 3,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	22	99.268	99.268,313	2.742.543,132	27,628	27,164	50	72	78.766	17.967,150	196.178,920	10,919	10,456
1	23	98.789	95.911,328	2.643.274,819	27,560	27,096	51	73	76.963	17.044,457	178.211,770	10,456	9,992
2	24	98.723	93.055,890	2.547.363,491	27,375	26,911	52	74	75.004	16.126,909	161.167,314	9,994	9,530
3	25	98.676	90.302,795	2.454.307,600	27,179	26,715	53	75	72.867	15.211,071	145.040,405	9,535	9,072
4	26	98.634	87.635,054	2.364.004,805	26,976	26,512	54	76	70.532	14.294,713	129.829,334	9,082	8,619
5	27	98.593	85.047,350	2.276.369,751	26,766	26,303	55	77	68.025	13.385,099	115.534,621	8,632	8,168
6	28	98.551	82.534,876	2.191.322,401	26,550	26,087	56	78	65.319	12.478,364	102.149,522	8,186	7,723
7	29	98.510	80.097,826	2.108.787,525	26,328	25,864	57	79	62.406	11.574,553	89.671,158	7,747	7,284
8	30	98.469	77.732,518	2.028.689,699	26,098	25,635	58	80	59.264	10.671,569	78.096,605	7,318	6,855
9	31	98.425	75.434,784	1.950.957,181	25,863	25,400	59	81	55.839	9.762,101	67.425,036	6,907	6,444
10	32	98.381	73.204,642	1.875.522,397	25,620	25,157	60	82	52.172	8.855,372	57.662,934	6,512	6,048
11	33	98.337	71.040,520	1.802.317,756	25,370	24,907	61	83	48.251	7.951,308	48.807,563	6,138	5,675
12	34	98.283	68.933,859	1.731.277,236	25,115	24,652	62	84	44.256	7.080,459	40.856,255	5,770	5,307
13	35	98.224	66.885,965	1.662.343,377	24,853	24,390	63	85	40.151	6.236,654	33.775,797	5,416	4,952
14	36	98.161	64.896,169	1.595.457,412	24,585	24,122	64	86	36.135	5.449,378	27.539,142	5,054	4,590
15	37	98.088	62.958,744	1.530.561,243	24,311	23,847	65	87	31.979	4.682,205	22.089,765	4,718	4,255
16	38	98.004	61.073,102	1.467.602,499	24,030	23,567	66	88	27.716	3.939,751	17.407,560	4,418	3,955
17	39	97.898	59.230,102	1.406.529,397	23,747	23,284	67	89	23.610	3.258,347	13.467,809	4,133	3,670
18	40	97.770	57.429,811	1.347.299,296	23,460	22,997	68	90	19.679	2.636,825	10.209,462	3,872	3,409
19	41	97.611	55.666,335	1.289.869,485	23,171	22,708	69	91	16.073	2.090,932	7.572,637	3,622	3,158
20	42	97.436	53.948,077	1.234.203,150	22,878	22,414	70	92	12.725	1.607,123	5.481,705	3,411	2,948
21	43	97.253	52.278,092	1.180.255,073	22,576	22,113	71	93	9.823	1.204,483	3.874,582	3,217	2,754
22	44	97.050	50.649,803	1.127.976,981	22,270	21,807	72	94	7.383	878,889	2.670,100	3,038	2,575
23	45	96.842	49.069,090	1.077.327,178	21,955	21,492	73	95	5.391	623,085	1.791,211	2,875	2,412
24	46	96.617	47.529,081	1.028.258,088	21,634	21,171	74	96	3.820	428,677	1.168,126	2,725	2,262
25	47	96.373	46.028,442	980.729,007	21,307	20,844	75	97	2.623	285,805	739,449	2,587	2,124
26	48	96.116	44.568,282	934.700,565	20,972	20,509	76	98	1.743	184,394	453,644	2,460	1,997
27	49	95.843	43.147,567	890.132,283	20,630	20,167	77	99	1.120	114,988	269,250	2,342	1,878
28	50	95.544	41.760,136	846.984,717	20,282	19,819	78	100	693	69,129	154,262	2,232	1,768
29	51	95.233	40.411,656	805.224,581	19,926	19,462	79	101	413	39,965	85,134	2,130	1,667
30	52	94.901	39.098,135	764.812,925	19,561	19,098	80	102	236	22,190	45,169	2,036	1,572
31	53	94.545	37.816,947	725.714,790	19,190	18,727	81	103	129	11,794	22,979	1,948	1,485
32	54	94.172	36.570,650	687.897,842	18,810	18,347	82	104	68	5,992	11,185	1,867	1,403
33	55	93.768	35.353,002	651.327,192	18,424	17,960	83	105	34	2,893	5,193	1,795	1,331
34	56	93.331	34.163,331	615.974,190	18,030	17,567	84	106					
35	57	92.868	33.003,570	581.810,858	17,629	17,166	85	107					
36	58	92.356	31.865,911	548.807,289	17,222	16,759	86	108					
37	59	91.808	30.754,037	516.941,378	16,809	16,346	87	109					
38	60	91.231	29.670,606	486.187,341	16,386	15,923	88	110					
39	61	90.604	28.608,380	456.516,735	15,957	15,494	89	111					
40	62	89.955	27.576,257	427.908,356	15,517	15,054	90	112					
41	63	89.235	26.558,767	400.332,098	15,073	14,610	91						
42	64	88.459	25.561,173	373.773,331	14,623	14,159	92						
43	65	87.619	24.580,859	348.212,158	14,166	13,703	93						
44	66	86.688	23.611,403	323.631,298	13,707	13,243	94						
45	67	85.673	22.655,138	300.019,895	13,243	12,780	95						
46	68	84.541	21.704,705	277.364,758	12,779	12,316	96						
47	69	83.290	20.760,803	255.660,053	12,315	11,851	97						
48	70	81.919	19.824,382	234.899,250	11,849	11,386	98						
49	71	80.425	18.895,947	215.074,868	11,382	10,919	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -23 Jahre

Zinsfuß 3,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	23	99.241	99.241,437	2.726.512,462	27,474	27,010	50	73	77.346	17.643,218	185.360,988	10,506	10,043
1	24	98.763	95.886,304	2.627.271,025	27,400	26,937	51	74	75.395	16.697,221	167.717,770	10,045	9,581
2	25	98.696	93.030,609	2.531.384,721	27,210	26,747	52	75	73.297	15.759,833	151.020,549	9,583	9,119
3	26	98.652	90.280,575	2.438.354,111	27,009	26,545	53	76	70.978	14.816,686	135.260,716	9,129	8,666
4	27	98.606	87.610,520	2.348.073,537	26,801	26,338	54	77	68.490	13.880,904	120.444,031	8,677	8,214
5	28	98.564	85.022,565	2.260.463,017	26,587	26,123	55	78	65.812	12.949,648	106.563,126	8,229	7,766
6	29	98.522	82.510,377	2.175.440,452	26,366	25,902	56	79	62.899	12.015,890	93.613,478	7,791	7,328
7	30	98.481	80.074,381	2.092.930,075	26,137	25,674	57	80	59.781	11.087,656	81.597,588	7,359	6,896
8	31	98.437	77.707,067	2.012.855,694	25,903	25,440	58	81	56.377	10.151,711	70.509,932	6,946	6,482
9	32	98.390	75.407,838	1.935.148,627	25,662	25,199	59	82	52.727	9.217,924	60.358,222	6,548	6,085
10	33	98.346	73.178,612	1.859.740,789	25,414	24,950	60	83	48.801	8.283,101	51.140,298	6,174	5,711
11	34	98.297	71.012,134	1.786.562,177	25,159	24,695	61	84	44.794	7.381,534	42.857,197	5,806	5,343
12	35	98.237	68.901,541	1.715.550,044	24,899	24,435	62	85	40.699	6.511,462	35.475,663	5,448	4,985
13	36	98.174	66.851,722	1.646.648,502	24,631	24,168	63	86	36.665	5.695,159	28.964,201	5,086	4,623
14	37	98.106	64.859,473	1.579.796,780	24,357	23,894	64	87	32.492	4.900,002	23.269,042	4,749	4,286
15	38	98.028	62.920,137	1.514.937,308	24,077	23,614	65	88	28.210	4.130,278	18.369,040	4,447	3,984
16	39	97.936	61.030,380	1.452.017,171	23,792	23,328	66	89	24.070	3.421,567	14.238,763	4,161	3,698
17	40	97.820	59.182,702	1.390.986,791	23,503	23,040	67	90	20.110	2.775,379	10.817,196	3,898	3,434
18	41	97.685	57.379,848	1.331.804,088	23,210	22,747	68	91	16.463	2.205,805	8.041,817	3,646	3,183
19	42	97.515	55.611,309	1.274.424,241	22,917	22,453	69	92	13.061	1.699,091	5.836,012	3,435	2,972
20	43	97.327	53.887,403	1.218.812,931	22,618	22,155	70	93	10.111	1.277,036	4.136,921	3,239	2,776
21	44	97.126	52.210,234	1.164.925,528	22,312	21,849	71	94	7.623	934,690	2.859,885	3,060	2,596
22	45	96.915	50.579,298	1.112.715,294	21,999	21,536	72	95	5.588	665,195	1.925,195	2,894	2,431
23	46	96.689	48.991,266	1.062.135,996	21,680	21,217	73	96	3.974	459,353	1.260,000	2,743	2,280
24	47	96.443	47.443,719	1.013.144,730	21,355	20,891	74	97	2.740	307,432	800,647	2,604	2,141
25	48	96.186	45.938,933	965.701,011	21,021	20,558	75	98	1.828	199,133	493,216	2,477	2,014
26	49	95.912	44.473,800	919.762,078	20,681	20,218	76	99	1.179	124,656	294,082	2,359	1,896
27	50	95.613	43.043,723	875.288,278	20,335	19,872	77	100	734	75,325	169,427	2,249	1,786
28	51	95.303	41.654,624	832.244,555	19,980	19,516	78	101	440	43,824	94,101	2,147	1,684
29	52	94.968	40.299,423	790.589,932	19,618	19,155	79	102	253	24,486	50,277	2,053	1,590
30	53	94.615	38.979,933	750.290,508	19,248	18,785	80	103	140	13,123	25,791	1,965	1,502
31	54	94.247	37.697,539	711.310,575	18,869	18,406	81	104	74	6,724	12,668	1,884	1,421
32	55	93.845	36.443,449	673.613,036	18,484	18,021	82	105	37	3,289	5,944	1,807	1,344
33	56	93.413	35.219,126	637.169,587	18,092	17,628	83	106					
34	57	92.956	34.026,175	601.950,462	17,691	17,228	84	107					
35	58	92.453	32.856,272	567.924,287	17,285	16,822	85	108					
36	59	91.912	31.712,456	535.068,015	16,872	16,409	86	109					
37	60	91.341	30.597,690	503.355,559	16,451	15,988	87	110					
38	61	90.729	29.507,291	472.757,869	16,022	15,559	88	111					
39	62	90.094	28.447,390	443.250,578	15,581	15,118	89	112					
40	63	89.389	27.402,723	414.803,187	15,137	14,674	90						
41	64	88.628	26.378,119	387.400,464	14,686	14,223	91						
42	65	87.813	25.374,249	361.022,346	14,228	13,765	92						
43	66	86.903	24.380,098	335.648,096	13,767	13,304	93						
44	67	85.903	23.397,564	311.267,998	13,303	12,840	94						
45	68	84.802	22.424,849	287.870,434	12,837	12,374	95						
46	69	83.574	21.456,456	265.445,585	12,371	11,908	96						
47	70	82.228	20.495,933	243.989,130	11,904	11,441	97						
48	71	80.755	19.542,608	223.493,197	11,436	10,973	98						
49	72	79.121	18.589,601	203.950,589	10,971	10,508	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -24 Jahre

Zinsfuß 3,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	24	99.216	99.215,545	2.709.855,880	27,313	26,850	50	74	75.770	17.283,784	174.390,090	10,090	9,627
1	25	98.736	95.860,254	2.610.640,335	27,234	26,771	51	75	73.679	16.317,163	157.106,306	9,628	9,165
2	26	98.672	93.007,717	2.514.780,081	27,038	26,575	52	76	71.397	15.351,219	140.789,142	9,171	8,708
3	27	98.624	90.255,300	2.421.772,364	26,832	26,369	53	77	68.923	14.387,767	125.437,923	8,718	8,255
4	28	98.578	87.584,987	2.331.517,064	26,620	26,157	54	78	66.262	13.429,324	111.050,156	8,269	7,806
5	29	98.535	84.997,328	2.243.932,077	26,400	25,937	55	79	63.373	12.469,707	97.620,832	7,829	7,365
6	30	98.493	82.486,226	2.158.934,749	26,173	25,710	56	80	60.253	11.510,427	85.151,125	7,398	6,935
7	31	98.449	80.048,163	2.076.448,523	25,940	25,477	57	81	56.869	10.547,528	73.640,698	6,982	6,519
8	32	98.402	77.679,309	1.996.400,359	25,701	25,237	58	82	53.234	9.585,815	63.093,170	6,582	6,119
9	33	98.355	75.381,025	1.918.721,050	25,454	24,990	59	83	49.319	8.622,224	53.507,355	6,206	5,743
10	34	98.307	73.149,371	1.843.340,026	25,200	24,736	60	84	45.304	7.689,551	44.885,132	5,837	5,374
11	35	98.251	70.978,842	1.770.190,654	24,940	24,476	61	85	41.194	6.788,342	37.195,581	5,479	5,016
12	36	98.187	68.866,267	1.699.211,812	24,674	24,211	62	86	37.166	5.946,107	30.407,238	5,114	4,651
13	37	98.118	66.813,920	1.630.345,546	24,401	23,938	63	87	32.969	5.121,005	24.461,132	4,777	4,313
14	38	98.046	64.819,700	1.563.531,626	24,121	23,658	64	88	28.662	4.322,401	19.340,127	4,474	4,011
15	39	97.959	62.876,123	1.498.711,926	23,836	23,373	65	89	24.499	3.587,034	15.017,726	4,187	3,723
16	40	97.857	60.981,540	1.435.835,803	23,545	23,082	66	90	20.503	2.914,406	11.430,691	3,922	3,459
17	41	97.735	59.131,214	1.374.854,263	23,251	22,788	67	91	16.823	2.321,710	8.516,285	3,668	3,205
18	42	97.589	57.323,129	1.315.723,048	22,953	22,490	68	92	13.378	1.792,437	6.194,575	3,456	2,993
19	43	97.405	55.548,765	1.258.399,920	22,654	22,191	69	93	10.379	1.350,115	4.402,138	3,261	2,797
20	44	97.200	53.817,457	1.202.851,155	22,351	21,887	70	94	7.846	990,992	3.052,023	3,080	2,617
21	45	96.991	52.137,557	1.149.033,698	22,039	21,575	71	95	5.769	707,429	2.061,032	2,913	2,450
22	46	96.761	50.499,078	1.096.896,141	21,721	21,258	72	96	4.119	490,398	1.353,603	2,760	2,297
23	47	96.515	48.903,279	1.046.397,063	21,397	20,934	73	97	2.850	329,431	863,205	2,620	2,157
24	48	96.256	47.351,458	997.493,784	21,066	20,603	74	98	1.909	214,201	533,774	2,492	2,029
25	49	95.982	45.841,545	950.142,326	20,727	20,263	75	99	1.236	134,620	319,572	2,374	1,911
26	50	95.681	44.366,764	904.300,781	20,382	19,919	76	100	772	81,659	184,953	2,265	1,802
27	51	95.371	42.934,967	859.934,017	20,029	19,566	77	101	465	47,752	103,294	2,163	1,700
28	52	95.038	41.538,939	816.999,050	19,668	19,205	78	102	269	26,851	55,542	2,069	1,605
29	53	94.681	40.177,590	775.460,111	19,301	18,838	79	103	150	14,481	28,691	1,981	1,518
30	54	94.316	38.856,852	735.282,521	18,923	18,460	80	104	80	7,482	14,209	1,899	1,436
31	55	93.919	37.566,418	696.425,669	18,539	18,075	81	105	40	3,690	6,728	1,823	1,360
32	56	93.490	36.305,443	658.859,251	18,148	17,684	82	106					
33	57	93.038	35.077,731	622.553,809	17,748	17,285	83	107					
34	58	92.541	33.874,313	587.476,078	17,343	16,880	84	108					
35	59	92.008	32.698,048	553.601,765	16,931	16,468	85	109					
36	60	91.444	31.551,237	520.903,716	16,510	16,047	86	110					
37	61	90.838	30.429,273	489.352,479	16,082	15,618	87	111					
38	62	90.218	29.341,243	458.923,207	15,641	15,178	88	112					
39	63	89.527	28.268,374	429.581,964	15,197	14,733	89						
40	64	88.781	27.216,334	401.313,590	14,745	14,282	90						
41	65	87.980	26.185,220	374.097,256	14,287	13,823	91						
42	66	87.095	25.167,008	347.912,035	13,824	13,361	92						
43	67	86.116	24.159,298	322.745,027	13,359	12,896	93						
44	68	85.030	23.159,728	298.585,729	12,892	12,429	94						
45	69	83.832	22.168,363	275.426,001	12,424	11,961	95						
46	70	82.508	21.182,710	253.257,638	11,956	11,493	96						
47	71	81.059	20.204,613	232.074,928	11,486	11,023	97						
48	72	79.446	19.225,778	211.870,315	11,020	10,557	98						
49	73	77.695	18.254,447	192.644,537	10,553	10,090	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -25 Jahre

Zinsfuß 3,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	25	99.189	99.188,590	2.692.560,999	27,146	26,683	50	75	74.046	16.890,376	163.306,657	9,669	9,205
1	26	98.712	95.836,666	2.593.372,409	27,060	26,597	51	76	71.769	15.894,100	146.416,281	9,212	8,749
2	27	98.644	92.981,679	2.497.535,743	26,861	26,397	52	77	69.330	14.906,827	130.522,181	8,756	8,293
3	28	98.596	90.228,997	2.404.554,064	26,649	26,186	53	78	66.681	13.919,697	115.615,354	8,306	7,843
4	29	98.548	87.558,990	2.314.325,067	26,432	25,968	54	79	63.806	12.931,605	101.695,657	7,864	7,401
5	30	98.506	84.972,449	2.226.766,077	26,206	25,743	55	80	60.707	11.945,155	88.764,053	7,431	6,968
6	31	98.461	82.459,219	2.141.793,628	25,974	25,511	56	81	57.317	10.949,704	76.818,898	7,016	6,552
7	32	98.414	80.019,569	2.059.334,410	25,735	25,272	57	82	53.699	9.959,567	65.869,194	6,614	6,150
8	33	98.367	77.651,688	1.979.314,841	25,490	25,026	58	83	49.794	8.966,340	55.909,626	6,236	5,772
9	34	98.316	75.350,904	1.901.663,152	25,237	24,774	59	84	45.785	8.004,373	46.943,287	5,865	5,401
10	35	98.261	73.115,078	1.826.312,248	24,979	24,515	60	85	41.663	7.071,607	38.938,914	5,506	5,043
11	36	98.201	70.942,504	1.753.197,171	24,713	24,250	61	86	37.617	6.198,947	31.867,307	5,141	4,678
12	37	98.131	68.827,326	1.682.254,667	24,442	23,978	62	87	33.419	5.346,654	25.668,360	4,801	4,338
13	38	98.058	66.772,948	1.613.427,341	24,163	23,700	63	88	29.082	4.517,353	20.321,706	4,499	4,035
14	39	97.977	64.774,357	1.546.654,393	23,878	23,414	64	89	24.892	3.753,888	15.804,353	4,210	3,747
15	40	97.881	62.825,806	1.481.880,036	23,587	23,124	65	90	20.868	3.055,347	12.050,465	3,944	3,481
16	41	97.772	60.928,487	1.419.054,229	23,290	22,827	66	91	17.151	2.438,012	8.995,118	3,690	3,226
17	42	97.638	59.072,764	1.358.125,742	22,991	22,528	67	92	13.670	1.886,622	6.557,106	3,476	3,012
18	43	97.479	57.258,659	1.299.052,978	22,687	22,224	68	93	10.630	1.424,288	4.670,485	3,279	2,816
19	44	97.279	55.476,662	1.241.794,320	22,384	21,921	69	94	8.054	1.047,702	3.246,196	3,098	2,635
20	45	97.065	53.742,542	1.186.317,658	22,074	21,611	70	95	5.939	750,041	2.198,495	2,931	2,468
21	46	96.837	52.054,866	1.132.575,116	21,757	21,294	71	96	4.253	521,533	1.448,453	2,777	2,314
22	47	96.588	50.408,383	1.080.520,249	21,435	20,972	72	97	2.954	351,696	926,920	2,636	2,172
23	48	96.327	48.808,179	1.030.111,866	21,105	20,642	73	98	1.986	229,530	575,225	2,506	2,043
24	49	96.052	47.251,076	981.303,687	20,768	20,305	74	99	1.290	144,806	345,695	2,387	1,924
25	50	95.751	45.731,218	934.052,611	20,425	19,962	75	100	809	88,186	200,889	2,278	1,815
26	51	95.439	44.254,666	888.321,394	20,073	19,610	76	101	489	51,767	112,703	2,177	1,714
27	52	95.106	42.815,726	844.066,728	19,714	19,251	77	102	285	29,258	60,935	2,083	1,619
28	53	94.751	41.413,358	801.251,002	19,348	18,884	78	103	159	15,880	31,677	1,995	1,532
29	54	94.382	40.050,727	759.837,644	18,972	18,509	79	104	85	8,256	15,798	1,914	1,450
30	55	93.988	38.721,699	719.786,917	18,589	18,125	80	105	44	4,106	7,542	1,837	1,373
31	56	93.563	37.424,159	681.065,218	18,199	17,735	81	106					
32	57	93.114	36.159,687	643.641,059	17,800	17,337	82	107					
33	58	92.623	34.921,176	607.481,372	17,396	16,933	83	108					
34	59	92.096	33.711,187	572.560,197	16,984	16,521	84	109					
35	60	91.540	32.531,819	538.849,010	16,564	16,101	85	110					
36	61	90.941	31.377,571	506.317,191	16,136	15,673	86	111					
37	62	90.327	30.258,036	474.939,620	15,696	15,233	87	112					
38	63	89.650	29.156,602	444.681,583	15,251	14,788	88						
39	64	88.918	28.076,097	415.524,982	14,800	14,337	89						
40	65	88.131	27.017,306	387.448,885	14,341	13,878	90						
41	66	87.261	25.971,356	360.431,579	13,878	13,415	91						
42	67	86.307	24.939,081	334.460,223	13,411	12,948	92						
43	68	85.241	23.913,719	309.521,142	12,943	12,480	93						
44	69	84.057	22.894,837	285.607,423	12,475	12,012	94						
45	70	82.762	21.885,535	262.712,586	12,004	11,541	95						
46	71	81.335	20.881,629	240.827,051	11,533	11,070	96						
47	72	79.745	19.877,050	219.945,422	11,065	10,602	97						
48	73	78.013	18.879,154	200.068,371	10,597	10,134	98						
49	74	76.112	17.882,561	181.189,217	10,132	9,669	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 1 Jahr

Zinsfuß 3,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	49	91.859	20.953,687	362.441,340	17,297	16,834
1	0	99.544	96.644,437	2.861.691,138	29,611	29,147	51	50	91.184	20.193,859	341.487,653	16,910	16,447
2	1	99.126	93.435,523	2.765.046,701	29,593	29,130	52	51	90.482	19.454,835	321.293,794	16,515	16,052
3	2	99.070	90.663,354	2.671.611,178	29,467	29,004	53	52	89.702	18.725,264	301.838,959	16,119	15,656
4	3	99.033	87.989,217	2.580.947,824	29,333	28,869	54	53	88.868	18.010,980	283.113,695	15,719	15,256
5	4	99.002	85.400,307	2.492.958,607	29,191	28,728	55	54	87.986	17.312,816	265.102,715	15,313	14,849
6	5	98.976	82.890,858	2.407.558,300	29,045	28,582	56	55	87.024	16.624,714	247.789,899	14,905	14,442
7	6	98.952	80.456,663	2.324.667,442	28,893	28,430	57	56	86.015	15.953,454	231.165,185	14,490	14,027
8	7	98.930	78.096,423	2.244.210,780	28,736	28,273	58	57	84.929	15.293,124	215.211,732	14,072	13,609
9	8	98.910	75.806,152	2.166.114,357	28,574	28,111	59	58	83.744	14.640,559	199.918,608	13,655	13,192
10	9	98.891	73.584,254	2.090.308,205	28,407	27,944	60	59	82.465	13.996,997	185.278,049	13,237	12,774
11	10	98.875	71.429,694	2.016.723,952	28,234	27,770	61	60	81.122	13.368,017	171.281,052	12,813	12,350
12	11	98.853	69.333,368	1.945.294,257	28,057	27,594	62	61	79.706	12.752,188	157.913,035	12,383	11,920
13	12	98.831	67.298,847	1.875.960,889	27,875	27,412	63	62	78.190	12.145,266	145.160,847	11,952	11,489
14	13	98.809	65.324,666	1.808.662,042	27,687	27,224	64	63	76.575	11.547,992	133.015,581	11,519	11,055
15	14	98.782	63.404,161	1.743.337,376	27,496	27,032	65	64	74.854	10.959,647	121.467,589	11,083	10,620
16	15	98.747	61.535,746	1.679.933,215	27,300	26,837	66	65	73.005	10.377,638	110.507,942	10,649	10,185
17	16	98.691	59.709,890	1.618.397,468	27,104	26,641	67	66	71.024	9.801,873	100.130,304	10,215	9,752
18	17	98.620	57.929,114	1.558.687,578	26,907	26,444	68	67	68.873	9.228,200	90.328,431	9,788	9,325
19	18	98.524	56.186,833	1.500.758,464	26,710	26,247	69	68	66.561	8.658,699	81.100,230	9,366	8,903
20	19	98.416	54.490,713	1.444.571,631	26,510	26,047	70	69	64.105	8.096,347	72.441,531	8,947	8,484
21	20	98.314	52.848,730	1.390.080,918	26,303	25,840	71	70	61.483	7.538,937	64.345,184	8,535	8,072
22	21	98.206	51.253,022	1.337.232,188	26,091	25,628	72	71	58.700	6.988,107	56.806,246	8,129	7,666
23	22	98.108	49.710,532	1.285.979,166	25,869	25,406	73	72	55.716	6.439,598	49.818,139	7,736	7,273
24	23	98.009	48.213,823	1.236.268,634	25,641	25,178	74	73	52.589	5.901,208	43.378,541	7,351	6,888
25	24	97.912	46.763,369	1.188.054,811	25,406	24,942	75	74	49.330	5.374,320	37.477,333	6,973	6,510
26	25	97.814	45.355,794	1.141.291,442	25,163	24,700	76	75	45.979	4.863,266	32.103,013	6,601	6,138
27	26	97.720	43.992,431	1.095.935,648	24,912	24,449	77	76	42.552	4.369,762	27.239,747	6,234	5,770
28	27	97.623	42.668,605	1.051.943,217	24,654	24,191	78	77	39.059	3.894,179	22.869,985	5,873	5,410
29	28	97.522	41.383,317	1.009.274,612	24,388	23,925	79	78	35.494	3.435,722	18.975,806	5,523	5,060
30	29	97.425	40.137,801	967.891,295	24,114	23,651	80	79	31.903	2.998,127	15.540,083	5,183	4,720
31	30	97.325	38.928,872	927.753,494	23,832	23,369	81	80	28.289	2.581,130	12.541,956	4,859	4,396
32	31	97.217	37.752,810	888.824,622	23,543	23,080	82	81	24.702	2.188,148	9.960,826	4,552	4,089
33	32	97.102	36.610,103	851.071,812	23,247	22,784	83	82	21.136	1.817,703	7.772,678	4,276	3,813
34	33	96.983	35.499,983	814.461,709	22,943	22,479	84	83	17.755	1.482,514	5.954,975	4,017	3,554
35	34	96.851	34.419,326	778.961,726	22,632	22,168	85	84	14.665	1.188,859	4.472,461	3,762	3,299
36	35	96.705	33.366,201	744.542,399	22,314	21,851	86	85	11.920	938,127	3.283,602	3,500	3,037
37	36	96.546	32.341,236	711.176,198	21,990	21,527	87	86	9.443	721,548	2.345,475	3,251	2,787
38	37	96.375	31.343,590	678.834,962	21,658	21,195	88	87	7.216	535,313	1.623,927	3,034	2,570
39	38	96.183	30.370,103	647.491,372	21,320	20,857	89	88	5.312	382,583	1.088,614	2,845	2,382
40	39	95.968	29.419,497	617.121,270	20,977	20,513	90	89	3.784	264,585	706,031	2,668	2,205
41	40	95.726	28.490,610	587.701,772	20,628	20,165	91	90	2.598	176,353	441,446	2,503	2,040
42	41	95.461	27.584,221	559.211,162	20,273	19,810	92	91	1.711	112,764	265,094	2,351	1,888
43	42	95.156	26.695,317	531.626,941	19,915	19,451	93	92	1.071	68,509	152,330	2,223	1,760
44	43	94.814	25.824,547	504.931,623	19,552	19,089	94	93	640	39,763	83,821	2,108	1,645
45	44	94.436	24.972,653	479.107,077	19,185	18,722	95	94	365	21,992	44,058	2,003	1,540
46	45	94.015	24.137,044	454.134,424	18,815	18,352	96	95	197	11,562	22,066	1,908	1,445
47	46	93.547	23.317,442	429.997,380	18,441	17,978	97	96	101	5,763	10,504	1,822	1,359
48	47	93.029	22.512,939	406.679,938	18,064	17,601	98	97	49	2,717	4,740	1,744	1,281
49	48	92.469	21.725,660	384.166,999	17,683	17,219	99	98	23	1,209	2,023	1,674	1,210
							100	99	10	0,506	0,814	1,610	1,146

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 2 Jahre

Zinsfuß 3,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	48	92.054	20.998,201	365.861,681	17,423	16,960
1							51	49	91.404	20.242,577	344.863,480	17,037	16,573
2	0	99.504	93.791,644	2.769.584,475	29,529	29,066	52	50	90.711	19.504,115	324.620,903	16,644	16,180
3	1	99.106	90.695,836	2.675.792,831	29,503	29,040	53	51	89.952	18.777,413	305.116,788	16,249	15,786
4	2	99.052	88.006,617	2.585.096,995	29,374	28,911	54	52	89.138	18.065,596	286.339,375	15,850	15,387
5	3	99.019	85.414,968	2.497.090,378	29,235	28,772	55	53	88.265	17.367,655	268.273,779	15,447	14,984
6	4	98.989	82.901,565	2.411.675,410	29,091	28,628	56	54	87.328	16.682,740	250.906,123	15,040	14,577
7	5	98.964	80.467,182	2.328.773,845	28,941	28,477	57	55	86.342	16.014,097	234.223,383	14,626	14,163
8	6	98.939	78.103,620	2.248.306,663	28,786	28,323	58	56	85.271	15.354,769	218.209,286	14,211	13,748
9	7	98.918	75.812,754	2.170.203,043	28,626	28,163	59	57	84.119	14.706,194	202.854,517	13,794	13,331
10	8	98.901	73.591,318	2.094.390,289	28,460	27,997	60	58	82.864	14.064,728	188.148,324	13,377	12,914
11	9	98.882	71.434,310	2.020.798,971	28,289	27,826	61	59	81.536	13.436,324	174.083,596	12,956	12,493
12	10	98.861	69.339,199	1.949.364,661	28,113	27,650	62	60	80.147	12.822,768	160.647,272	12,528	12,065
13	11	98.840	67.305,159	1.880.025,462	27,933	27,470	63	61	78.633	12.213,999	147.824,504	12,103	11,640
14	12	98.818	65.330,215	1.812.720,304	27,747	27,284	64	62	77.060	11.621,122	135.610,505	11,669	11,206
15	13	98.791	63.410,305	1.747.390,089	27,557	27,094	65	63	75.367	11.034,703	123.989,383	11,236	10,773
16	14	98.758	61.542,918	1.683.979,784	27,363	26,899	66	64	73.543	10.454,087	112.954,680	10,805	10,342
17	15	98.709	59.720,560	1.622.436,866	27,167	26,704	67	65	71.609	9.882,588	102.500,593	10,372	9,909
18	16	98.641	57.941,384	1.562.716,306	26,971	26,507	68	66	69.502	9.312,540	92.618,005	9,946	9,482
19	17	98.546	56.199,198	1.504.774,921	26,776	26,313	69	67	67.245	8.747,619	83.305,464	9,523	9,060
20	18	98.445	54.506,389	1.448.575,723	26,576	26,113	70	68	64.847	8.190,021	74.557,846	9,103	8,640
21	19	98.341	52.863,384	1.394.069,334	26,371	25,908	71	69	62.277	7.636,364	66.367,825	8,691	8,228
22	20	98.237	51.269,215	1.341.205,950	26,160	25,697	72	70	59.547	7.088,865	58.731,461	8,285	7,822
23	21	98.132	49.722,698	1.289.936,735	25,943	25,479	73	71	56.634	6.545,719	51.642,596	7,890	7,426
24	22	98.035	48.226,880	1.240.214,037	25,716	25,253	74	72	53.555	6.009,555	45.096,877	7,504	7,041
25	23	97.938	46.775,573	1.191.987,157	25,483	25,020	75	73	50.356	5.486,085	39.087,322	7,125	6,662
26	24	97.840	45.368,119	1.145.211,584	25,243	24,779	76	74	47.050	4.976,540	33.601,237	6,752	6,289
27	25	97.744	44.003,259	1.099.843,465	24,995	24,531	77	75	43.685	4.486,075	28.624,697	6,381	5,918
28	26	97.650	42.680,554	1.055.840,205	24,738	24,275	78	76	40.223	4.010,270	24.138,622	6,019	5,556
29	27	97.551	41.395,381	1.013.159,652	24,475	24,012	79	77	36.688	3.551,254	20.128,352	5,668	5,205
30	28	97.454	40.149,718	971.764,271	24,204	23,740	80	78	33.131	3.113,521	16.577,098	5,324	4,861
31	29	97.354	38.940,270	931.614,553	23,924	23,461	81	79	29.532	2.694,476	13.463,578	4,997	4,534
32	30	97.248	37.765,175	892.674,283	23,637	23,174	82	80	25.967	2.300,201	10.769,101	4,682	4,219
33	31	97.137	36.623,186	854.909,108	23,343	22,880	83	81	22.383	1.925,010	8.468,900	4,399	3,936
34	32	97.017	35.512,610	818.285,922	23,042	22,579	84	82	18.982	1.584,939	6.543,890	4,129	3,666
35	33	96.890	34.433,085	782.773,312	22,733	22,270	85	83	15.797	1.280,626	4.958,950	3,872	3,409
36	34	96.750	33.381,851	748.340,227	22,418	21,954	86	84	12.961	1.020,104	3.678,324	3,606	3,143
37	35	96.595	32.357,802	714.958,376	22,095	21,632	87	85	10.341	790,153	2.658,221	3,364	2,901
38	36	96.429	31.361,323	682.600,574	21,766	21,302	88	86	8.025	595,331	1.868,068	3,138	2,675
39	37	96.242	30.388,738	651.239,250	21,430	20,967	89	87	6.022	433,707	1.272,737	2,935	2,471
40	38	96.035	29.440,091	620.850,513	21,089	20,625	90	88	4.357	304,656	839,030	2,754	2,291
41	39	95.802	28.513,429	591.410,422	20,741	20,278	91	89	3.050	207,041	534,374	2,581	2,118
42	40	95.544	27.608,240	562.896,993	20,389	19,926	92	90	2.045	134,798	327,333	2,428	1,965
43	41	95.250	26.721,731	535.288,753	20,032	19,569	93	91	1.317	84,308	192,535	2,284	1,820
44	42	94.920	25.853,623	508.567,022	19,671	19,208	94	92	805	50,041	108,226	2,163	1,700
45	43	94.559	25.005,110	482.713,398	19,305	18,841	95	93	470	28,340	58,185	2,053	1,590
46	44	94.146	24.170,690	457.708,288	18,937	18,473	96	94	261	15,276	29,845	1,954	1,490
47	45	93.696	23.354,482	433.537,598	18,563	18,100	97	95	137	7,818	14,569	1,864	1,400
48	46	93.197	22.553,444	410.183,116	18,187	17,724	98	96	69	3,789	6,751	1,782	1,319
49	47	92.649	21.767,991	387.629,672	17,807	17,344	99	97	32	1,735	2,962	1,708	1,244
							100	98	14	0,748	1,228	1,640	1,177

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 3 Jahre

Zinsfuß 3,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	47	92.234	21.039,115	369.029,687	17,540	17,077
1							51	48	91.598	20.285,581	347.990,572	17,155	16,691
2							52	49	90.930	19.551,169	327.704,991	16,761	16,298
3	0	99.484	91.041,515	2.680.003,493	29,437	28,974	53	50	90.179	18.824,977	308.153,822	16,369	15,906
4	1	99.088	88.038,147	2.588.961,977	29,407	28,944	54	51	89.386	18.115,908	289.328,845	15,971	15,508
5	2	99.039	85.431,859	2.500.923,830	29,274	28,811	55	52	88.533	17.420,320	271.212,937	15,569	15,106
6	3	99.006	82.915,797	2.415.491,971	29,132	28,669	56	53	87.604	16.735,584	253.792,616	15,165	14,702
7	4	98.977	80.477,576	2.332.576,174	28,984	28,521	57	54	86.644	16.069,992	237.057,033	14,752	14,288
8	5	98.952	78.113,831	2.252.098,598	28,831	28,368	58	55	85.595	15.413,136	220.987,040	14,338	13,874
9	6	98.928	75.819,741	2.173.984,768	28,673	28,210	59	56	84.459	14.765,473	205.573,904	13,923	13,459
10	7	98.909	73.597,728	2.098.165,027	28,509	28,045	60	57	83.235	14.127,781	190.808,431	13,506	13,043
11	8	98.891	71.441,168	2.024.567,299	28,339	27,876	61	58	81.931	13.501,342	176.680,650	13,086	12,623
12	9	98.868	69.343,680	1.953.126,132	28,166	27,703	62	59	80.557	12.888,289	163.179,308	12,661	12,198
13	10	98.848	67.310,819	1.883.782,452	27,986	27,523	63	60	79.068	12.281,600	150.291,019	12,237	11,774
14	11	98.827	65.336,342	1.816.471,633	27,802	27,339	64	61	77.496	11.686,889	138.009,420	11,809	11,346
15	12	98.800	63.415,691	1.751.135,291	27,614	27,150	65	62	75.844	11.104,583	126.322,531	11,376	10,912
16	13	98.768	61.548,881	1.687.719,600	27,421	26,958	66	63	74.047	10.525,681	115.217,948	10,946	10,483
17	14	98.720	59.727,520	1.626.170,719	27,226	26,763	67	64	72.136	9.955,390	104.692,267	10,516	10,053
18	15	98.659	57.951,738	1.566.443,199	27,030	26,567	68	65	70.075	9.389,226	94.736,877	10,090	9,627
19	16	98.567	56.211,102	1.508.491,460	26,836	26,373	69	66	67.859	8.827,566	85.347,651	9,668	9,205
20	17	98.466	54.518,384	1.452.280,358	26,638	26,175	70	67	65.513	8.274,128	76.520,085	9,248	8,785
21	18	98.370	52.878,592	1.397.761,974	26,433	25,970	71	68	62.998	7.724,716	68.245,957	8,835	8,372
22	19	98.264	51.283,432	1.344.883,382	26,225	25,761	72	69	60.316	7.180,475	60.521,242	8,429	7,965
23	20	98.163	49.738,408	1.293.599,951	26,008	25,545	73	70	57.450	6.640,098	53.340,767	8,033	7,570
24	21	98.059	48.238,683	1.243.861,543	25,786	25,322	74	71	54.437	6.108,589	46.700,669	7,645	7,182
25	22	97.964	46.788,240	1.195.622,860	25,554	25,091	75	72	51.281	5.586,810	40.592,080	7,266	6,802
26	23	97.866	45.379,959	1.148.834,620	25,316	24,853	76	73	48.028	5.080,033	35.005,269	6,891	6,428
27	24	97.771	44.015,217	1.103.454,660	25,070	24,607	77	74	44.703	4.590,564	29.925,237	6,519	6,056
28	25	97.674	42.691,059	1.059.439,443	24,816	24,353	78	75	41.294	4.117,014	25.334,673	6,154	5,690
29	26	97.578	41.406,973	1.016.748,385	24,555	24,092	79	76	37.782	3.657,121	21.217,659	5,802	5,339
30	27	97.482	40.161,423	975.341,412	24,286	23,822	80	77	34.245	3.218,218	17.560,538	5,457	4,993
31	28	97.383	38.951,832	935.179,989	24,009	23,545	81	78	30.668	2.798,183	14.342,320	5,126	4,662
32	29	97.277	37.776,233	896.228,157	23,725	23,261	82	79	27.107	2.401,211	11.544,138	4,808	4,344
33	30	97.169	36.635,181	858.451,925	23,432	22,969	83	80	23.529	2.023,588	9.142,927	4,518	4,055
34	31	97.052	35.525,300	821.816,744	23,133	22,670	84	81	20.102	1.678,506	7.119,339	4,241	3,778
35	32	96.924	34.445,333	786.291,444	22,827	22,364	85	82	16.889	1.369,103	5.440,833	3,974	3,511
36	33	96.789	33.395,195	751.846,111	22,514	22,050	86	83	13.962	1.098,845	4.071,730	3,705	3,242
37	34	96.641	32.372,979	718.450,916	22,193	21,730	87	84	11.244	859,199	2.972,885	3,460	2,997
38	35	96.479	31.377,387	686.077,937	21,865	21,402	88	85	8.788	651,935	2.113,685	3,242	2,779
39	36	96.296	30.405,931	654.700,550	21,532	21,069	89	86	6.697	482,333	1.461,750	3,031	2,567
40	37	96.094	29.458,155	624.294,619	21,193	20,729	90	87	4.939	345,367	979,417	2,836	2,373
41	38	95.869	28.533,388	594.836,464	20,847	20,384	91	88	3.511	238,397	634,051	2,660	2,196
42	39	95.620	27.630,352	566.303,076	20,496	20,032	92	89	2.401	158,256	395,654	2,500	2,037
43	40	95.333	26.744,999	538.672,724	20,141	19,678	93	90	1.575	100,783	237,398	2,356	1,892
44	41	95.014	25.879,205	511.927,725	19,781	19,318	94	91	991	61,581	136,616	2,218	1,755
45	42	94.666	25.033,264	486.048,520	19,416	18,953	95	92	591	35,666	75,035	2,104	1,641
46	43	94.268	24.202,105	461.015,256	19,049	18,585	96	93	336	19,686	39,369	2,000	1,537
47	44	93.826	23.387,037	436.813,151	18,678	18,214	97	94	182	10,329	19,683	1,906	1,442
48	45	93.345	22.589,271	413.426,114	18,302	17,839	98	95	93	5,139	9,354	1,820	1,357
49	46	92.816	21.807,156	390.836,843	17,922	17,459	99	96	45	2,419	4,215	1,742	1,279
							100	97	21	1,074	1,796	1,672	1,209

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 4 Jahre

Zinsfuß 3,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	46	92.399	21.076,969	371.959,610	17,648	17,184
1							51	47	91.776	20.325,106	350.882,641	17,264	16,800
2							52	48	91.123	19.592,704	330.557,535	16,871	16,408
3							53	49	90.397	18.870,393	310.964,830	16,479	16,016
4	0	99.465	88.373,696	2.592.865,146	29,340	28,877	54	50	89.613	18.161,797	292.094,438	16,083	15,620
5	1	99.074	85.462,467	2.504.491,450	29,305	28,842	55	51	88.779	17.468,835	273.932,641	15,681	15,218
6	2	99.025	82.932,194	2.419.028,983	29,169	28,706	56	52	87.870	16.786,332	256.463,806	15,278	14,815
7	3	98.994	80.491,392	2.336.096,789	29,023	28,560	57	53	86.918	16.120,895	239.677,474	14,868	14,404
8	4	98.965	78.123,921	2.255.605,397	28,872	28,409	58	54	85.894	15.466,934	223.556,579	14,454	13,991
9	5	98.940	75.829,653	2.177.481,476	28,715	28,252	59	55	84.780	14.821,600	208.089,645	14,040	13,576
10	6	98.918	73.604,510	2.101.651,823	28,553	28,090	60	56	83.571	14.184,729	193.268,045	13,625	13,162
11	7	98.900	71.447,390	2.028.047,313	28,385	27,922	61	57	82.298	13.561,870	179.083,316	13,205	12,742
12	8	98.877	69.350,337	1.956.599,923	28,213	27,750	62	58	80.947	12.950,655	165.521,446	12,781	12,318
13	9	98.855	67.315,169	1.887.249,586	28,036	27,573	63	59	79.472	12.344,356	152.570,792	12,360	11,896
14	10	98.835	65.341,837	1.819.934,418	27,853	27,389	64	60	77.925	11.751,572	140.226,436	11,933	11,469
15	11	98.809	63.421,639	1.754.592,581	27,666	27,202	65	61	76.273	11.167,426	128.474,864	11,504	11,041
16	12	98.776	61.554,109	1.691.170,942	27,475	27,011	66	62	74.516	10.592,337	117.307,438	11,075	10,612
17	13	98.730	59.733,308	1.629.616,834	27,282	26,818	67	63	72.630	10.023,569	106.715,100	10,646	10,183
18	14	98.670	57.958,492	1.569.883,526	27,086	26,623	68	64	70.591	9.458,393	96.691,532	10,223	9,760
19	15	98.584	56.221,147	1.511.925,034	26,892	26,429	69	65	68.418	8.900,258	87.233,138	9,801	9,338
20	16	98.487	54.529,932	1.455.703,886	26,696	26,232	70	66	66.112	8.349,748	78.332,880	9,381	8,918
21	17	98.391	52.890,228	1.401.173,955	26,492	26,029	71	67	63.645	7.804,404	69.983,133	8,968	8,504
22	18	98.293	51.298,184	1.348.283,726	26,283	25,820	72	68	61.014	7.263,552	62.179,089	8,560	8,097
23	19	98.190	49.752,200	1.296.985,542	26,069	25,606	73	69	58.193	6.725,909	54.915,537	8,165	7,702
24	20	98.090	48.253,924	1.247.233,342	25,847	25,384	74	70	55.222	6.196,666	48.189,628	7,777	7,313
25	21	97.988	46.799,691	1.198.979,418	25,619	25,156	75	71	52.126	5.678,878	41.992,962	7,395	6,931
26	22	97.893	45.392,249	1.152.179,727	25,383	24,920	76	72	48.910	5.173,303	36.314,085	7,020	6,556
27	23	97.796	44.026,704	1.106.787,478	25,139	24,676	77	73	45.632	4.686,029	31.140,782	6,645	6,182
28	24	97.701	42.702,660	1.062.760,774	24,887	24,424	78	74	42.256	4.212,907	26.454,753	6,279	5,816
29	25	97.602	41.417,164	1.020.058,114	24,629	24,166	79	75	38.787	3.754,465	22.241,846	5,924	5,461
30	26	97.510	40.172,669	978.640,950	24,361	23,898	80	76	35.266	3.314,157	18.487,381	5,578	5,115
31	27	97.411	38.963,187	938.468,281	24,086	23,623	81	77	31.700	2.892,276	15.173,224	5,246	4,783
32	28	97.306	37.787,449	899.505,094	23,804	23,341	82	78	28.150	2.493,630	12.280,948	4,925	4,462
33	29	97.197	36.645,907	861.717,645	23,515	23,051	83	79	24.563	2.112,451	9.787,318	4,633	4,170
34	30	97.084	35.536,936	825.071,738	23,217	22,754	84	80	21.132	1.764,460	7.674,867	4,350	3,886
35	31	96.959	34.457,641	789.534,802	22,913	22,450	85	81	17.886	1.449,928	5.910,407	4,076	3,613
36	32	96.823	33.407,074	755.077,161	22,602	22,139	86	82	14.926	1.174,763	4.460,479	3,797	3,334
37	33	96.679	32.385,919	721.670,087	22,283	21,820	87	83	12.112	925,520	3.285,716	3,550	3,087
38	34	96.524	31.392,105	689.284,167	21,957	21,494	88	84	9.556	708,904	2.360,196	3,329	2,866
39	35	96.346	30.421,505	657.892,063	21,626	21,163	89	85	7.333	528,193	1.651,292	3,126	2,663
40	36	96.148	29.474,822	627.470,558	21,288	20,825	90	86	5.493	384,088	1.123,099	2,924	2,461
41	37	95.928	28.550,896	597.995,735	20,945	20,482	91	87	3.981	270,254	739,011	2,735	2,271
42	38	95.687	27.649,693	569.444,839	20,595	20,132	92	88	2.765	182,223	468,757	2,572	2,109
43	39	95.409	26.766,419	541.795,146	20,242	19,778	93	89	1.849	118,321	286,534	2,422	1,958
44	40	95.097	25.901,739	515.028,727	19,884	19,421	94	90	1.185	73,614	168,214	2,285	1,822
45	41	94.759	25.058,034	489.126,989	19,520	19,057	95	91	728	43,891	94,600	2,155	1,692
46	42	94.374	24.229,355	464.068,955	19,153	18,690	96	92	423	24,774	50,709	2,047	1,584
47	43	93.948	23.417,433	439.839,600	18,783	18,319	97	93	234	13,311	25,935	1,948	1,485
48	44	93.475	22.620,759	416.422,167	18,409	17,946	98	94	123	6,790	12,624	1,859	1,396
49	45	92.963	21.841,797	393.801,407	18,030	17,566	99	95	61	3,281	5,833	1,778	1,315
							100	96	29	1,498	2,553	1,704	1,241

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 5 Jahre

Zinsfuß 3,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	45	92.546	21.110,450	374.664,265	17,748	17,285
1							51	46	91.942	20.361,675	353.553,814	17,364	16,900
2							52	47	91.301	19.630,880	333.192,139	16,973	16,510
3							53	48	90.589	18.910,482	313.561,260	16,581	16,118
4							54	49	89.829	18.205,612	294.650,778	16,185	15,721
5	0	99.452	85.788,199	2.508.106,466	29,236	28,773	55	50	89.004	17.513,085	276.445,166	15,785	15,322
6	1	99.061	82.961,906	2.422.318,267	29,198	28,735	56	51	88.115	16.833,082	258.932,081	15,382	14,919
7	2	99.014	80.507,309	2.339.356,361	29,058	28,594	57	52	87.182	16.169,779	242.098,999	14,972	14,509
8	3	98.982	78.137,333	2.258.849,052	28,909	28,445	58	53	86.166	15.515,926	225.929,220	14,561	14,098
9	4	98.953	75.839,448	2.180.711,719	28,754	28,291	59	54	85.076	14.873,333	210.413,294	14,147	13,684
10	5	98.931	73.614,133	2.104.872,271	28,593	28,130	60	55	83.888	14.238,649	195.539,961	13,733	13,270
11	6	98.909	71.453,974	2.031.258,138	28,428	27,964	61	56	82.630	13.616,536	181.301,312	13,315	12,852
12	7	98.886	69.356,377	1.959.804,164	28,257	27,794	62	57	81.310	13.008,714	167.684,776	12,890	12,427
13	8	98.864	67.321,631	1.890.447,787	28,081	27,618	63	58	79.856	12.404,089	154.676,062	12,470	12,007
14	9	98.842	65.346,059	1.823.126,156	27,900	27,436	64	59	78.323	11.811,620	142.271,973	12,045	11,582
15	10	98.817	63.426,972	1.757.780,097	27,713	27,250	65	60	76.695	11.229,235	130.460,353	11,618	11,155
16	11	98.786	61.559,882	1.694.353,124	27,524	27,060	66	61	74.938	10.652,281	119.231,118	11,193	10,730
17	12	98.738	59.738,381	1.632.793,242	27,332	26,869	67	62	73.090	10.087,046	108.578,837	10,764	10,301
18	13	98.680	57.964,108	1.573.054,861	27,138	26,675	68	63	71.074	9.523,168	98.491,792	10,342	9,879
19	14	98.596	56.227,699	1.515.090,753	26,946	26,482	69	64	68.922	8.965,824	88.968,623	9,923	9,460
20	15	98.505	54.539,676	1.458.863,053	26,749	26,285	70	65	66.656	8.418,505	80.002,800	9,503	9,040
21	16	98.412	52.901,432	1.404.323,377	26,546	26,083	71	66	64.226	7.875,367	71.584,295	9,090	8,626
22	17	98.314	51.309,474	1.351.421,945	26,339	25,875	72	67	61.641	7.338,145	63.708,928	8,682	8,219
23	18	98.219	49.766,512	1.300.112,472	26,124	25,661	73	68	58.866	6.803,727	56.370,783	8,285	7,822
24	19	98.117	48.267,304	1.250.345,960	25,905	25,441	74	69	55.936	6.276,746	49.567,056	7,897	7,434
25	20	98.019	46.814,477	1.202.078,656	25,677	25,214	75	70	52.878	5.760,758	43.290,311	7,515	7,051
26	21	97.916	45.403,358	1.155.264,178	25,444	24,981	76	71	49.716	5.258,556	37.529,552	7,137	6,674
27	22	97.823	44.038,627	1.109.860,821	25,202	24,739	77	72	46.470	4.772,065	32.270,997	6,762	6,299
28	23	97.726	42.713,804	1.065.822,194	24,953	24,489	78	73	43.134	4.300,519	27.498,931	6,394	5,931
29	24	97.629	41.428,419	1.023.108,389	24,696	24,233	79	74	39.691	3.841,914	23.198,413	6,038	5,575
30	25	97.534	40.182,557	981.679,970	24,431	23,967	80	75	36.204	3.402,372	19.356,499	5,689	5,226
31	26	97.438	38.974,098	941.497,413	24,157	23,694	81	76	32.645	2.978,498	15.954,127	5,356	4,893
32	27	97.334	37.798,464	902.523,315	23,877	23,414	82	77	29.097	2.577,482	12.975,629	5,034	4,571
33	28	97.226	36.656,788	864.724,850	23,590	23,127	83	78	25.508	2.193,756	10.398,147	4,740	4,277
34	29	97.112	35.547,341	828.068,063	23,295	22,832	84	79	22.060	1.841,944	8.204,391	4,454	3,991
35	30	96.991	34.468,927	792.520,722	22,992	22,529	85	80	18.802	1.524,177	6.362,447	4,174	3,711
36	31	96.858	33.419,011	758.051,795	22,683	22,220	86	81	15.807	1.244,115	4.838,270	3,889	3,426
37	32	96.714	32.397,439	724.632,784	22,367	21,904	87	82	12.949	989,464	3.594,155	3,632	3,169
38	33	96.563	31.404,653	692.235,344	22,042	21,579	88	83	10.293	763,623	2.604,692	3,411	2,948
39	34	96.391	30.435,774	660.830,691	21,712	21,249	89	84	7.974	574,349	1.841,068	3,205	2,742
40	35	96.197	29.489,920	630.394,917	21,377	20,913	90	85	6.015	420,608	1.266,720	3,012	2,548
41	36	95.982	28.567,050	600.904,997	21,035	20,572	91	86	4.427	300,554	846,112	2,815	2,352
42	37	95.746	27.666,659	572.337,948	20,687	20,224	92	87	3.134	206,573	545,558	2,641	2,178
43	38	95.476	26.785,156	544.671,289	20,335	19,872	93	88	2.129	136,240	338,985	2,488	2,025
44	39	95.173	25.922,483	517.886,133	19,978	19,515	94	89	1.391	86,424	202,745	2,346	1,883
45	40	94.842	25.079,853	491.963,650	19,616	19,153	95	90	870	52,467	116,321	2,217	1,754
46	41	94.468	24.253,329	466.883,797	19,250	18,787	96	91	521	30,488	63,854	2,094	1,631
47	42	94.054	23.443,800	442.630,468	18,880	18,417	97	92	295	16,751	33,366	1,992	1,529
48	43	93.596	22.650,160	419.186,668	18,507	18,044	98	93	159	8,750	16,615	1,899	1,436
49	44	93.093	21.872,244	396.536,508	18,130	17,666	99	94	81	4,335	7,864	1,814	1,351
							100	95	39	2,031	3,529	1,737	1,274

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 6 Jahre

Zinsfuß 3,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	44	92.675	21.139,877	377.156,588	17,841	17,378
1							51	45	92.088	20.394,020	356.016,711	17,457	16,994
2							52	46	91.465	19.666,200	335.622,690	17,066	16,603
3							53	47	90.766	18.947,327	315.956,490	16,676	16,212
4							54	48	90.020	18.244,289	297.009,163	16,280	15,816
5							55	49	89.219	17.555,335	278.764,874	15,879	15,416
6	0	99.438	83.278,108	2.425.664,055	29,127	28,664	56	50	88.338	16.875,720	261.209,539	15,478	15,015
7	1	99.049	80.536,152	2.342.385,947	29,085	28,622	57	51	87.425	16.214,812	244.333,818	15,069	14,605
8	2	99.002	78.152,785	2.261.849,794	28,941	28,478	58	52	86.427	15.562,976	228.119,006	14,658	14,195
9	3	98.970	75.852,468	2.183.697,009	28,789	28,326	59	53	85.345	14.920,445	212.556,030	14,246	13,783
10	4	98.944	73.623,642	2.107.844,541	28,630	28,167	60	54	84.181	14.288,347	197.635,585	13,832	13,369
11	5	98.922	71.463,316	2.034.220,900	28,465	28,002	61	55	82.944	13.668,296	183.347,238	13,414	12,951
12	6	98.895	69.362,768	1.962.757,583	28,297	27,834	62	56	81.637	13.061,150	169.678,942	12,991	12,528
13	7	98.873	67.327,495	1.893.394,815	28,122	27,659	63	57	80.214	12.459,698	156.617,792	12,570	12,107
14	8	98.851	65.352,332	1.826.067,320	27,942	27,479	64	58	78.702	11.868,776	144.158,094	12,146	11,683
15	9	98.824	63.431,071	1.760.714,988	27,758	27,295	65	59	77.087	11.286,613	132.289,318	11,721	11,258
16	10	98.794	61.565,059	1.697.283,917	27,569	27,106	66	60	75.352	10.711,239	121.002,705	11,297	10,834
17	11	98.748	59.743,984	1.635.718,858	27,379	26,916	67	61	73.504	10.144,130	110.291,466	10,872	10,409
18	12	98.688	57.969,031	1.575.974,874	27,186	26,723	68	62	71.524	9.583,476	100.147,336	10,450	9,987
19	13	98.605	56.233,148	1.518.005,842	26,995	26,532	69	63	69.394	9.027,225	90.563,860	10,032	9,569
20	14	98.516	54.546,032	1.461.772,695	26,799	26,336	70	64	67.147	8.480,521	81.536,635	9,615	9,151
21	15	98.430	52.910,885	1.407.226,662	26,596	26,133	71	65	64.755	7.940,218	73.056,113	9,201	8,738
22	16	98.335	51.320,342	1.354.315,777	26,389	25,926	72	66	62.204	7.405,211	65.115,895	8,793	8,330
23	17	98.240	49.777,464	1.302.995,435	26,176	25,713	73	67	59.470	6.873,597	57.710,685	8,396	7,933
24	18	98.146	48.281,189	1.253.217,971	25,957	25,493	74	68	56.583	6.349,367	50.837,088	8,007	7,543
25	19	98.046	46.827,458	1.204.936,782	25,731	25,268	75	69	53.561	5.835,205	44.487,721	7,624	7,161
26	20	97.947	45.417,703	1.158.109,324	25,499	25,036	76	70	50.433	5.334,376	38.652,516	7,246	6,783
27	21	97.846	44.049,405	1.112.691,620	25,260	24,797	77	71	47.236	4.850,706	33.318,140	6,869	6,405
28	22	97.753	42.725,372	1.068.642,216	25,012	24,549	78	72	43.926	4.379,477	28.467,434	6,500	6,037
29	23	97.654	41.439,231	1.025.916,844	24,757	24,294	79	73	40.516	3.921,810	24.087,957	6,142	5,679
30	24	97.560	40.193,477	984.477,613	24,493	24,030	80	74	37.048	3.481,620	20.166,147	5,792	5,329
31	25	97.462	38.983,690	944.284,136	24,223	23,759	81	75	33.514	3.057,779	16.684,527	5,456	4,993
32	26	97.361	37.809,049	905.300,445	23,944	23,481	82	76	29.964	2.654,320	13.626,748	5,134	4,671
33	27	97.254	36.667,474	867.491,396	23,658	23,195	83	77	26.366	2.267,524	10.972,428	4,839	4,376
34	28	97.141	35.557,895	830.823,922	23,365	22,902	84	78	22.909	1.912,838	8.704,904	4,551	4,088
35	29	97.019	34.479,019	795.266,027	23,065	22,602	85	79	19.627	1.591,109	6.792,066	4,269	3,806
36	30	96.889	33.429,957	760.787,008	22,758	22,294	86	80	16.617	1.307,824	5.200,957	3,977	3,514
37	31	96.748	32.409,016	727.357,051	22,443	21,980	87	81	13.714	1.047,876	3.893,133	3,715	3,252
38	32	96.597	31.415,824	694.948,035	22,121	21,658	88	82	11.004	816,381	2.845,256	3,485	3,022
39	33	96.429	30.447,940	663.532,211	21,792	21,329	89	83	8.590	618,682	2.028,875	3,279	2,816
40	34	96.242	29.503,752	633.084,271	21,458	20,995	90	84	6.540	457,362	1.410,193	3,083	2,620
41	35	96.032	28.581,682	603.580,519	21,118	20,655	91	85	4.848	329,131	952,831	2,895	2,432
42	36	95.800	27.682,312	574.998,837	20,771	20,308	92	86	3.485	229,734	623,701	2,715	2,252
43	37	95.535	26.801,591	547.316,525	20,421	19,958	93	87	2.413	154,445	393,967	2,551	2,088
44	38	95.240	25.940,629	520.514,934	20,066	19,602	94	88	1.602	99,513	239,521	2,407	1,944
45	39	94.918	25.099,939	494.574,305	19,704	19,241	95	89	1.021	61,597	140,009	2,273	1,810
46	40	94.550	24.274,447	469.474,365	19,340	18,877	96	90	622	36,445	78,411	2,151	1,688
47	41	94.147	23.466,997	445.199,918	18,971	18,508	97	91	363	20,615	41,966	2,036	1,573
48	42	93.702	22.675,663	421.732,921	18,598	18,135	98	92	199	11,012	21,352	1,939	1,476
49	43	93.214	21.900,671	399.057,259	18,221	17,758	99	93	104	5,586	10,339	1,851	1,388
							100	94	52	2,684	4,753	1,771	1,308

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 7 Jahre

Zinsfuß 3,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	43	92.796	21.167,353	379.451,280	17,926	17,463
1							51	44	92.216	20.422,449	358.283,927	17,544	17,080
2							52	45	91.611	19.697,440	337.861,478	17,153	16,689
3							53	46	90.929	18.981,418	318.164,038	16,762	16,299
4							54	47	90.195	18.279,837	299.182,621	16,367	15,904
5							55	48	89.408	17.592,631	280.902,784	15,967	15,504
6							56	49	88.551	16.916,434	263.310,153	15,565	15,102
7	0	99.427	80.843,109	2.345.480,908	29,013	28,550	57	50	87.646	16.255,884	246.393,720	15,157	14,694
8	1	99.037	78.180,785	2.264.637,799	28,967	28,503	58	51	86.668	15.606,319	230.137,835	14,746	14,283
9	2	98.990	75.867,468	2.186.457,015	28,819	28,356	59	52	85.604	14.965,690	214.531,516	14,335	13,872
10	3	98.961	73.636,281	2.110.589,547	28,662	28,199	60	53	84.448	14.333,606	199.565,827	13,923	13,460
11	4	98.935	71.472,547	2.036.953,265	28,500	28,037	61	54	83.234	13.716,004	185.232,221	13,505	13,042
12	5	98.908	69.371,837	1.965.480,718	28,333	27,869	62	55	81.948	13.110,799	171.516,217	13,082	12,619
13	6	98.882	67.333,699	1.896.108,881	28,160	27,697	63	56	80.538	12.509,922	158.405,418	12,662	12,199
14	7	98.860	65.358,024	1.828.775,182	27,981	27,518	64	57	79.055	11.921,984	145.895,496	12,238	11,774
15	8	98.833	63.437,161	1.763.417,158	27,798	27,335	65	58	77.460	11.341,229	133.973,512	11,813	11,350
16	9	98.800	61.569,037	1.699.979,997	27,611	27,148	66	59	75.737	10.765,971	122.632,283	11,391	10,928
17	10	98.756	59.749,008	1.638.410,960	27,422	26,958	67	60	73.910	10.200,275	111.866,313	10,967	10,504
18	11	98.698	57.974,468	1.578.661,952	27,230	26,767	68	61	71.929	9.637,711	101.666,038	10,549	10,086
19	12	98.614	56.237,924	1.520.687,483	27,040	26,577	69	62	69.834	9.084,392	92.028,327	10,130	9,667
20	13	98.526	54.551,318	1.464.449,559	26,845	26,382	70	63	67.607	8.538,599	82.943,935	9,714	9,251
21	14	98.441	52.917,051	1.409.898,242	26,644	26,180	71	64	65.232	7.998,711	74.405,335	9,302	8,839
22	15	98.353	51.329,513	1.356.981,190	26,437	25,973	72	65	62.716	7.466,190	66.406,624	8,894	8,431
23	16	98.261	49.788,008	1.305.651,677	26,224	25,761	73	66	60.014	6.936,417	58.940,434	8,497	8,034
24	17	98.167	48.291,814	1.255.863,669	26,006	25,543	74	67	57.164	6.414,571	52.004,017	8,107	7,644
25	18	98.075	46.840,929	1.207.571,855	25,780	25,317	75	68	54.181	5.902,718	45.589,446	7,723	7,260
26	19	97.975	45.430,297	1.160.730,925	25,550	25,086	76	69	51.085	5.403,312	39.686,729	7,345	6,882
27	20	97.877	44.063,322	1.115.300,629	25,311	24,848	77	70	47.917	4.920,646	34.283,416	6,967	6,504
28	21	97.776	42.735,828	1.071.237,306	25,066	24,603	78	71	44.650	4.451,648	29.362,770	6,596	6,133
29	22	97.681	41.450,454	1.028.501,478	24,813	24,350	79	72	41.260	3.993,815	24.911,122	6,237	5,774
30	23	97.586	40.203,966	987.051,025	24,551	24,088	80	73	37.818	3.554,024	20.917,307	5,886	5,422
31	24	97.489	38.994,284	946.847,059	24,282	23,818	81	74	34.294	3.129,000	17.363,283	5,549	5,086
32	25	97.385	37.818,355	907.852,774	24,006	23,542	82	75	30.762	2.724,972	14.234,283	5,224	4,760
33	26	97.282	36.677,742	870.034,419	23,721	23,258	83	76	27.152	2.335,122	11.509,311	4,929	4,466
34	27	97.169	35.568,261	833.356,677	23,430	22,967	84	77	23.679	1.977,160	9.174,189	4,640	4,177
35	28	97.048	34.489,257	797.788,416	23,132	22,668	85	78	20.383	1.652,348	7.197,029	4,356	3,892
36	29	96.918	33.439,745	763.299,160	22,826	22,363	86	79	17.347	1.365,255	5.544,681	4,061	3,598
37	30	96.780	32.419,631	729.859,415	22,513	22,050	87	80	14.416	1.101,537	4.179,425	3,794	3,331
38	31	96.631	31.427,050	697.439,784	22,192	21,729	88	81	11.654	864,576	3.077,888	3,560	3,097
39	32	96.464	30.458,771	666.012,734	21,866	21,403	89	82	9.183	661,426	2.213,312	3,346	2,883
40	33	96.281	29.515,545	635.553,963	21,533	21,070	90	83	7.045	492,665	1.551,886	3,150	2,687
41	34	96.077	28.595,088	606.038,418	21,194	20,731	91	84	5.272	357,891	1.059,221	2,960	2,496
42	35	95.849	27.696,491	577.443,330	20,849	20,386	92	85	3.817	251,577	701,329	2,788	2,325
43	36	95.589	26.816,755	549.746,838	20,500	20,037	93	86	2.684	171,761	449,753	2,618	2,155
44	37	95.298	25.956,546	522.930,084	20,146	19,683	94	87	1.816	112,811	277,991	2,464	2,001
45	38	94.984	25.117,509	496.973,537	19,786	19,323	95	88	1.176	70,926	165,181	2,329	1,866
46	39	94.626	24.293,889	471.856,028	19,423	18,960	96	89	731	42,787	94,255	2,203	1,740
47	40	94.229	23.487,430	447.562,139	19,055	18,592	97	90	433	24,643	51,468	2,089	1,625
48	41	93.794	22.698,099	424.074,709	18,683	18,220	98	91	245	13,552	26,825	1,979	1,516
49	42	93.319	21.925,330	401.376,610	18,307	17,843	99	92	131	7,030	13,273	1,888	1,425
							100	93	66	3,459	6,243	1,805	1,342

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 8 Jahre

Zinsfuß 3,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	42	92.900	21.191,186	381.560,812	18,006	17,542
1							51	43	92.336	20.448,992	360.369,626	17,623	17,160
2							52	44	91.738	19.724,897	339.920,635	17,233	16,770
3							53	45	91.073	19.011,570	320.195,737	16,842	16,379
4							54	46	90.357	18.312,726	301.184,167	16,447	15,983
5							55	47	89.583	17.626,909	282.871,441	16,048	15,584
6							56	48	88.739	16.952,371	265.244,532	15,646	15,183
7							57	49	87.858	16.295,102	248.292,161	15,237	14,774
8	0	99.415	78.478,763	2.267.499,680	28,893	28,430	58	50	86.888	15.645,850	231.997,059	14,828	14,365
9	1	99.025	75.894,649	2.189.020,916	28,843	28,380	59	51	85.842	15.007,369	216.351,209	14,416	13,953
10	2	98.981	73.650,843	2.113.126,267	28,691	28,228	60	52	84.704	14.377,071	201.343,840	14,005	13,541
11	3	98.952	71.484,817	2.039.475,424	28,530	28,067	61	53	83.497	13.759,450	186.966,769	13,588	13,125
12	4	98.920	69.380,798	1.967.990,607	28,365	27,902	62	54	82.234	13.156,561	173.207,320	13,165	12,702
13	5	98.895	67.342,502	1.898.609,809	28,193	27,730	63	55	80.844	12.557,475	160.050,759	12,745	12,282
14	6	98.869	65.364,047	1.831.267,307	28,016	27,553	64	56	79.374	11.970,041	147.493,283	12,322	11,859
15	7	98.842	63.442,686	1.765.903,260	27,835	27,371	65	57	77.808	11.392,072	135.523,243	11,896	11,433
16	8	98.810	61.574,948	1.702.460,574	27,649	27,185	66	58	76.104	10.818,066	124.131,170	11,474	11,011
17	9	98.762	59.752,869	1.640.885,626	27,461	26,998	67	59	74.288	10.252,396	113.313,104	11,052	10,589
18	10	98.706	57.979,344	1.581.132,756	27,271	26,807	68	60	72.327	9.691,053	103.060,708	10,635	10,171
19	11	98.623	56.243,198	1.523.153,412	27,082	26,618	69	61	70.229	9.135,803	93.369,655	10,220	9,757
20	12	98.534	54.555,951	1.466.910,214	26,888	26,425	70	62	68.035	8.592,672	84.233,853	9,803	9,340
21	13	98.451	52.922,179	1.412.354,263	26,687	26,224	71	63	65.679	8.053,490	75.641,180	9,392	8,929
22	14	98.364	51.335,495	1.359.432,084	26,481	26,018	72	64	63.178	7.521,191	67.587,690	8,986	8,523
23	15	98.279	49.796,905	1.308.096,589	26,269	25,805	73	65	60.508	6.993,536	60.066,500	8,589	8,126
24	16	98.188	48.302,043	1.258.299,684	26,051	25,587	74	66	57.686	6.473,196	53.072,964	8,199	7,736
25	17	98.096	46.851,238	1.209.997,640	25,826	25,363	75	67	54.737	5.963,335	46.599,768	7,814	7,351
26	18	98.003	45.443,366	1.163.146,403	25,596	25,132	76	68	51.676	5.465,828	40.636,433	7,435	6,971
27	19	97.905	44.075,540	1.117.703,037	25,359	24,896	77	69	48.536	4.984,236	35.170,605	7,056	6,593
28	20	97.807	42.749,331	1.073.627,496	25,114	24,651	78	70	45.294	4.515,834	30.186,369	6,685	6,221
29	21	97.705	41.460,598	1.030.878,166	24,864	24,401	79	71	41.940	4.059,631	25.670,535	6,323	5,860
30	22	97.612	40.214,854	989.417,568	24,603	24,140	80	72	38.512	3.619,276	21.610,904	5,971	5,508
31	23	97.514	39.004,461	949.202,714	24,336	23,873	81	73	35.007	3.194,071	17.991,628	5,633	5,170
32	24	97.412	37.828,632	910.198,253	24,061	23,598	82	74	31.478	2.788,442	14.797,557	5,307	4,844
33	25	97.306	36.686,769	872.369,621	23,779	23,316	83	75	27.875	2.397,278	12.009,115	5,009	4,546
34	26	97.196	35.578,221	835.682,851	23,489	23,025	84	76	24.385	2.036,101	9.611,837	4,721	4,257
35	27	97.076	34.499,311	800.104,630	23,192	22,729	85	77	21.068	1.707,911	7.575,736	4,436	3,972
36	28	96.946	33.449,674	765.605,319	22,888	22,425	86	78	18.014	1.417,802	5.867,825	4,139	3,675
37	29	96.808	32.429,123	732.155,646	22,577	22,114	87	79	15.049	1.149,909	4.450,023	3,870	3,407
38	30	96.663	31.437,343	699.726,523	22,258	21,795	88	80	12.251	908,850	3.300,114	3,631	3,168
39	31	96.498	30.469,655	668.289,180	21,933	21,470	89	81	9.725	700,473	2.391,264	3,414	2,951
40	32	96.315	29.526,044	637.819,525	21,602	21,139	90	82	7.532	526,703	1.690,790	3,210	2,747
41	33	96.115	28.606,519	608.293,481	21,264	20,801	91	83	5.678	385,517	1.164,087	3,020	2,556
42	34	95.894	27.709,482	579.686,962	20,920	20,457	92	84	4.150	273,560	778,571	2,846	2,383
43	35	95.638	26.830,491	551.977,480	20,573	20,110	93	85	2.939	188,093	505,010	2,685	2,222
44	36	95.352	25.971,232	525.146,989	20,220	19,757	94	86	2.019	125,459	316,918	2,526	2,063
45	37	95.043	25.132,921	499.175,757	19,861	19,398	95	87	1.333	80,404	191,459	2,381	1,918
46	38	94.692	24.310,894	474.042,836	19,499	19,036	96	88	841	49,267	111,055	2,254	1,791
47	39	94.305	23.506,242	449.731,942	19,132	18,669	97	89	509	28,931	61,788	2,136	1,672
48	40	93.876	22.717,863	426.225,700	18,762	18,298	98	90	293	16,200	32,857	2,028	1,565
49	41	93.411	21.947,024	403.507,837	18,386	17,922	99	91	161	8,651	16,657	1,925	1,462
							100	92	84	4,353	8,006	1,839	1,376

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 9 Jahre

Zinsfuß 3,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	41	92.992	21.212,154	383.497,857	18,079	17,616
1							51	42	92.440	20.472,016	362.285,703	17,697	17,233
2							52	43	91.857	19.750,534	341.813,687	17,307	16,843
3							53	44	91.200	19.038,071	322.063,153	16,917	16,454
4							54	45	90.501	18.341,817	303.025,082	16,521	16,058
5							55	46	89.744	17.658,623	284.683,266	16,121	15,658
6							56	47	88.912	16.985,402	267.024,642	15,721	15,258
7							57	48	88.044	16.329,720	250.039,240	15,312	14,849
8							58	49	87.097	15.683,596	233.709,520	14,902	14,438
9	0	99.403	76.183,915	2.191.666,721	28,768	28,305	59	50	86.060	15.045,383	218.025,924	14,491	14,028
10	1	99.016	73.677,230	2.115.482,807	28,713	28,250	60	51	84.940	14.417,110	202.980,541	14,079	13,616
11	2	98.971	71.498,954	2.041.805,577	28,557	28,094	61	52	83.750	13.801,173	188.563,431	13,663	13,200
12	3	98.937	69.392,709	1.970.306,623	28,394	27,930	62	53	82.494	13.198,235	174.762,257	13,241	12,778
13	4	98.908	67.351,201	1.900.913,914	28,224	27,761	63	54	81.126	12.601,306	161.564,023	12,821	12,358
14	5	98.882	65.372,593	1.833.562,713	28,048	27,585	64	55	79.676	12.015,542	148.962,717	12,398	11,934
15	6	98.851	63.448,532	1.768.190,120	27,868	27,405	65	56	78.121	11.437,993	136.947,175	11,973	11,510
16	7	98.818	61.580,311	1.704.741,588	27,683	27,220	66	57	76.445	10.866,565	125.509,182	11,550	11,087
17	8	98.772	59.758,606	1.643.161,277	27,497	27,033	67	58	74.648	10.302,007	114.642,618	11,128	10,665
18	9	98.712	57.983,091	1.583.402,671	27,308	26,845	68	59	72.697	9.740,572	104.340,611	10,712	10,249
19	10	98.631	56.247,928	1.525.419,581	27,120	26,656	69	60	70.617	9.186,367	94.600,039	10,298	9,835
20	11	98.543	54.561,068	1.469.171,652	26,927	26,464	70	61	68.420	8.641,300	85.413,672	9,884	9,421
21	12	98.459	52.926,674	1.414.610,584	26,728	26,265	71	62	66.095	8.104,491	76.772,372	9,473	9,010
22	13	98.374	51.340,469	1.361.683,910	26,523	26,059	72	63	63.611	7.572,699	68.667,882	9,068	8,605
23	14	98.290	49.802,709	1.310.343,441	26,311	25,847	73	64	60.954	7.045,055	61.095,183	8,672	8,209
24	15	98.206	48.310,675	1.260.540,732	26,092	25,629	74	65	58.161	6.526,500	54.050,128	8,282	7,818
25	16	98.117	46.861,162	1.212.230,057	25,869	25,405	75	66	55.237	6.017,836	47.523,628	7,897	7,434
26	17	98.024	45.453,367	1.165.368,896	25,639	25,176	76	67	52.206	5.521,959	41.505,792	7,516	7,053
27	18	97.933	44.088,220	1.119.915,529	25,402	24,938	77	68	49.098	5.041,903	35.983,833	7,137	6,674
28	19	97.834	42.761,184	1.075.827,310	25,159	24,696	78	69	45.879	4.574,192	30.941,930	6,764	6,301
29	20	97.735	41.473,697	1.033.066,125	24,909	24,446	79	70	42.545	4.118,165	26.367,737	6,403	5,940
30	21	97.636	40.224,696	991.592,428	24,651	24,188	80	71	39.147	3.678,920	22.249,573	6,048	5,585
31	22	97.541	39.015,024	951.367,732	24,385	23,921	81	72	35.650	3.252,715	18.570,653	5,709	5,246
32	23	97.437	37.838,505	912.352,708	24,112	23,649	82	73	32.133	2.846,430	15.317,938	5,381	4,918
33	24	97.332	36.696,739	874.514,203	23,831	23,368	83	74	28.524	2.453,115	12.471,508	5,084	4,621
34	25	97.220	35.586,978	837.817,464	23,543	23,080	84	75	25.034	2.090,298	10.018,393	4,793	4,330
35	26	97.104	34.508,972	802.230,486	23,247	22,784	85	76	21.696	1.758,826	7.928,096	4,508	4,044
36	27	96.975	33.459,425	767.721,514	22,945	22,482	86	77	18.620	1.465,478	6.169,270	4,210	3,747
37	28	96.837	32.438,752	734.262,090	22,635	22,172	87	78	15.628	1.194,168	4.703,792	3,939	3,476
38	29	96.691	31.446,548	701.823,338	22,318	21,855	88	79	12.789	948,761	3.509,624	3,699	3,236
39	30	96.530	30.479,635	670.376,790	21,994	21,531	89	80	10.223	736,344	2.560,863	3,478	3,015
40	31	96.349	29.536,595	639.897,156	21,665	21,201	90	81	7.977	557,797	1.824,519	3,271	2,808
41	32	96.149	28.616,694	610.360,561	21,329	20,866	91	82	6.071	412,151	1.266,723	3,073	2,610
42	33	95.932	27.720,558	581.743,867	20,986	20,523	92	83	4.471	294,676	854,571	2,900	2,437
43	34	95.683	26.843,075	554.023,309	20,639	20,176	93	84	3.196	204,529	559,895	2,737	2,274
44	35	95.401	25.984,535	527.180,233	20,288	19,825	94	85	2.211	137,388	355,366	2,587	2,123
45	36	95.096	25.147,141	501.195,698	19,931	19,467	95	86	1.482	89,418	217,979	2,438	1,975
46	37	94.750	24.325,811	476.048,557	19,570	19,106	96	87	954	55,850	128,560	2,302	1,839
47	38	94.371	23.522,696	451.722,746	19,204	18,740	97	88	586	33,312	72,710	2,183	1,719
48	39	93.951	22.736,058	428.200,050	18,834	18,370	98	89	345	19,019	39,397	2,071	1,608
49	40	93.493	21.966,134	405.463,992	18,459	17,995	99	90	193	10,342	20,378	1,970	1,507
							100	91	103	5,356	10,036	1,874	1,410

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 10 Jahre

Zinsfuß 3,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	40	93.073	21.230,624	385.274,756	18,147	17,684
1							51	41	92.531	20.492,273	364.044,132	17,765	17,302
2							52	42	91.961	19.772,772	343.551,859	17,375	16,912
3							53	43	91.319	19.062,815	323.779,088	16,985	16,522
4							54	44	90.627	18.367,384	304.716,273	16,590	16,127
5							55	45	89.886	17.686,674	286.348,888	16,190	15,727
6							56	46	89.072	17.015,962	268.662,214	15,789	15,326
7							57	47	88.216	16.361,537	251.646,252	15,380	14,917
8							58	48	87.282	15.716,915	235.284,714	14,970	14,507
9							59	49	86.267	15.081,680	219.567,799	14,559	14,095
10	0	99.393	73.958,044	2.117.928,712	28,637	28,174	60	50	85.155	14.453,629	204.486,119	14,148	13,685
11	1	99.007	71.524,570	2.043.970,668	28,577	28,114	61	51	83.984	13.839,609	190.032,490	13,731	13,268
12	2	98.957	69.406,431	1.972.446,099	28,419	27,956	62	52	82.744	13.238,257	176.192,880	13,309	12,846
13	3	98.924	67.362,764	1.903.039,667	28,251	27,787	63	53	81.383	12.641,221	162.954,623	12,891	12,428
14	4	98.895	65.381,037	1.835.676,904	28,077	27,613	64	54	79.954	12.057,481	150.313,402	12,466	12,003
15	5	98.864	63.456,828	1.770.295,866	27,898	27,434	65	55	78.418	11.481,471	138.255,922	12,042	11,578
16	6	98.827	61.585,986	1.706.839,039	27,715	27,252	66	56	76.753	10.910,367	126.774,450	11,620	11,156
17	7	98.780	59.763,811	1.645.253,053	27,529	27,066	67	57	74.982	10.348,192	115.864,084	11,197	10,733
18	8	98.722	57.988,657	1.585.489,242	27,341	26,878	68	58	73.049	9.787,706	105.515,892	10,780	10,317
19	9	98.637	56.251,563	1.527.500,585	27,155	26,692	69	59	70.978	9.233,307	95.728,186	10,368	9,904
20	10	98.552	54.565,656	1.471.249,022	26,963	26,500	70	60	68.799	8.689,127	86.494,879	9,954	9,491
21	11	98.468	52.931,638	1.416.683,366	26,764	26,301	71	61	66.469	8.150,355	77.805,752	9,546	9,083
22	12	98.382	51.344,830	1.363.751,728	26,561	26,097	72	62	64.014	7.620,655	69.655,397	9,140	8,677
23	13	98.299	49.807,534	1.312.406,898	26,350	25,886	73	63	61.371	7.093,302	62.034,742	8,746	8,282
24	14	98.217	48.316,305	1.262.599,364	26,132	25,669	74	64	58.590	6.574,579	54.941,439	8,357	7,893
25	15	98.134	46.869,536	1.214.283,059	25,908	25,445	75	65	55.692	6.067,391	48.366,860	7,972	7,508
26	16	98.045	45.462,995	1.167.413,523	25,678	25,215	76	66	52.683	5.572,426	42.299,470	7,591	7,128
27	17	97.954	44.097,922	1.121.950,528	25,442	24,979	77	67	49.602	5.093,680	36.727,044	7,210	6,747
28	18	97.863	42.773,486	1.077.852,606	25,199	24,736	78	68	46.410	4.627,115	31.633,363	6,837	6,373
29	19	97.763	41.485,197	1.035.079,120	24,951	24,487	79	69	43.094	4.171,384	27.006,248	6,474	6,011
30	20	97.667	40.237,405	993.593,923	24,693	24,230	80	70	39.711	3.731,964	22.834,864	6,119	5,656
31	21	97.565	39.024,572	953.356,518	24,430	23,966	81	71	36.238	3.306,318	19.102,900	5,778	5,314
32	22	97.464	37.848,752	914.331,946	24,158	23,694	82	72	32.723	2.898,691	15.796,583	5,450	4,986
33	23	97.357	36.706,316	876.483,194	23,878	23,415	83	73	29.117	2.504,130	12.897,892	5,151	4,687
34	24	97.247	35.596,649	839.776,878	23,591	23,128	84	74	25.617	2.138,985	10.393,762	4,859	4,396
35	25	97.127	34.517,465	804.180,229	23,298	22,835	85	75	22.274	1.805,642	8.254,777	4,572	4,108
36	26	97.002	33.468,795	769.662,764	22,996	22,533	86	76	19.175	1.509,166	6.449,135	4,273	3,810
37	27	96.865	32.448,208	736.193,969	22,688	22,225	87	77	16.154	1.234,323	4.939,969	4,002	3,539
38	28	96.720	31.455,884	703.745,761	22,372	21,909	88	78	13.281	985,277	3.705,646	3,761	3,298
39	29	96.558	30.488,559	672.289,877	22,051	21,587	89	79	10.672	768,679	2.720,369	3,539	3,076
40	30	96.381	29.546,269	641.801,318	21,722	21,259	90	80	8.385	586,361	1.951,690	3,328	2,865
41	31	96.184	28.626,920	612.255,049	21,387	20,924	91	81	6.429	436,483	1.365,329	3,128	2,665
42	32	95.967	27.730,419	583.628,129	21,046	20,583	92	82	4.780	315,035	928,846	2,948	2,485
43	33	95.721	26.853,805	555.897,711	20,701	20,238	93	83	3.443	220,316	613,811	2,786	2,323
44	34	95.446	25.996,723	529.043,905	20,350	19,887	94	84	2.405	149,393	393,495	2,634	2,171
45	35	95.145	25.160,022	503.047,182	19,994	19,531	95	85	1.623	97,920	244,102	2,493	2,030
46	36	94.804	24.339,575	477.887,161	19,634	19,171	96	86	1.061	62,112	146,181	2,354	1,890
47	37	94.428	23.537,129	453.547,586	19,269	18,806	97	87	664	37,764	84,069	2,226	1,763
48	38	94.017	22.751,974	430.010,457	18,900	18,437	98	88	397	21,899	46,305	2,114	1,651
49	39	93.568	21.983,727	407.258,483	18,525	18,062	99	89	227	12,141	24,406	2,010	1,547
							100	90	123	6,403	12,264	1,915	1,452

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 11 Jahre

Zinsfuß 3,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	39	93.148	21.247,628	386.904,115	18,209	17,746
1							51	40	92.612	20.510,116	365.656,487	17,828	17,365
2							52	41	92.052	19.792,336	345.146,372	17,438	16,975
3							53	42	91.422	19.084,279	325.354,035	17,048	16,585
4							54	43	90.745	18.391,256	306.269,757	16,653	16,190
5							55	44	90.012	17.711,329	287.878,500	16,254	15,791
6							56	45	89.213	17.042,993	270.167,172	15,852	15,389
7							57	46	88.374	16.390,975	253.124,179	15,443	14,980
8							58	47	87.452	15.747,538	236.733,203	15,033	14,570
9							59	48	86.451	15.113,720	220.985,665	14,622	14,158
10							60	49	85.360	14.488,499	205.871,945	14,209	13,746
11	0	99.384	71.797,179	2.046.231,956	28,500	28,037	61	50	84.196	13.874,665	191.383,446	13,794	13,331
12	1	98.992	69.431,298	1.974.434,778	28,437	27,974	62	51	82.975	13.275,125	177.508,780	13,372	12,908
13	2	98.944	67.376,085	1.905.003,480	28,274	27,811	63	52	81.630	12.679,554	164.233,655	12,953	12,489
14	3	98.912	65.392,262	1.837.627,395	28,102	27,638	64	53	80.207	12.095,673	151.554,101	12,530	12,066
15	4	98.876	63.465,024	1.772.235,134	27,925	27,461	65	54	78.692	11.521,546	139.458,428	12,104	11,641
16	5	98.840	61.594,038	1.708.770,109	27,742	27,279	66	55	77.045	10.951,840	127.936,882	11,682	11,219
17	6	98.790	59.769,318	1.647.176,072	27,559	27,096	67	56	75.285	10.389,904	116.985,042	11,259	10,796
18	7	98.730	57.993,708	1.587.406,753	27,372	26,909	68	57	73.376	9.831,585	106.595,138	10,842	10,379
19	8	98.647	56.256,963	1.529.413,046	27,186	26,723	69	58	71.322	9.277,986	96.763,553	10,429	9,966
20	9	98.558	54.569,182	1.473.156,082	26,996	26,533	70	59	69.151	8.733,526	87.485,567	10,017	9,554
21	10	98.477	52.936,089	1.418.586,900	26,798	26,335	71	60	66.837	8.195,465	78.752,040	9,609	9,146
22	11	98.391	51.349,645	1.365.650,811	26,595	26,132	72	61	64.376	7.663,782	70.556,575	9,206	8,743
23	12	98.308	49.811,765	1.314.301,165	26,385	25,922	73	62	61.760	7.138,223	62.892,793	8,811	8,347
24	13	98.227	48.320,987	1.264.489,400	26,169	25,705	74	63	58.991	6.619,604	55.754,570	8,423	7,959
25	14	98.146	46.874,998	1.216.168,413	25,945	25,482	75	64	56.102	6.112,087	49.134,966	8,039	7,576
26	15	98.063	45.471,119	1.169.293,416	25,715	25,252	76	65	53.117	5.618,313	43.022,879	7,658	7,194
27	16	97.975	44.107,263	1.123.822,297	25,479	25,016	77	66	50.055	5.140,233	37.404,566	7,277	6,814
28	17	97.884	42.782,899	1.079.715,034	25,237	24,774	78	67	46.887	4.674,633	32.264,333	6,902	6,439
29	18	97.791	41.497,132	1.036.932,135	24,988	24,525	79	68	43.593	4.219,646	27.589,700	6,538	6,075
30	19	97.694	40.248,562	995.435,003	24,732	24,269	80	69	40.225	3.780,192	23.370,053	6,182	5,719
31	20	97.595	39.036,902	955.186,441	24,469	24,006	81	70	36.760	3.353,990	19.589,861	5,841	5,378
32	21	97.488	37.858,015	916.149,539	24,200	23,736	82	71	33.262	2.946,460	16.235,871	5,510	5,047
33	22	97.384	36.716,257	878.291,525	23,921	23,458	83	72	29.652	2.550,106	13.289,412	5,211	4,748
34	23	97.272	35.605,939	841.575,268	23,636	23,173	84	73	26.150	2.183,467	10.739,306	4,918	4,455
35	24	97.154	34.526,846	805.969,329	23,343	22,880	85	74	22.793	1.847,699	8.555,839	4,631	4,167
36	25	97.026	33.477,032	771.442,484	23,044	22,581	86	75	19.686	1.549,336	6.708,140	4,330	3,866
37	26	96.892	32.457,295	737.965,451	22,737	22,273	87	76	16.635	1.271,120	5.158,804	4,058	3,595
38	27	96.748	31.465,054	705.508,157	22,422	21,959	88	77	13.728	1.018,409	3.887,684	3,817	3,354
39	28	96.587	30.497,611	674.043,102	22,102	21,638	89	78	11.083	798,265	2.869,275	3,594	3,131
40	29	96.409	29.554,920	643.545,491	21,775	21,311	90	79	8.753	612,110	2.071,010	3,383	2,920
41	30	96.215	28.636,296	613.990,571	21,441	20,978	91	80	6.758	458,835	1.458,900	3,180	2,716
42	31	96.001	27.740,328	585.354,276	21,101	20,638	92	81	5.062	333,633	1.000,066	2,998	2,534
43	32	95.755	26.863,357	557.613,948	20,757	20,294	93	82	3.681	235,538	666,433	2,829	2,366
44	33	95.484	26.007,115	530.750,590	20,408	19,945	94	83	2.590	160,925	430,895	2,678	2,214
45	34	95.190	25.171,823	504.743,476	20,052	19,589	95	84	1.765	106,477	269,970	2,535	2,072
46	35	94.852	24.352,042	479.571,653	19,693	19,230	96	85	1.161	68,018	163,493	2,404	1,940
47	36	94.482	23.550,446	455.219,611	19,330	18,866	97	86	739	41,998	95,475	2,273	1,810
48	37	94.075	22.765,934	431.669,165	18,961	18,498	98	87	450	24,826	53,477	2,154	1,691
49	38	93.633	21.999,116	408.903,231	18,587	18,124	99	88	261	13,980	28,652	2,049	1,586
							100	89	144	7,517	14,672	1,952	1,488

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 12 Jahre

Zinsfuß 3,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	38	93.213	21.262,501	388.397,030	18,267	17,804
1							51	39	92.686	20.526,543	367.134,529	17,886	17,423
2							52	40	92.132	19.809,570	346.607,986	17,497	17,034
3							53	41	91.512	19.103,162	326.798,416	17,107	16,644
4							54	42	90.847	18.411,964	307.695,254	16,712	16,248
5							55	43	90.129	17.734,348	289.283,291	16,312	15,849
6							56	44	89.338	17.066,750	271.548,942	15,911	15,448
7							57	45	88.515	16.417,013	254.482,193	15,501	15,038
8							58	46	87.610	15.775,871	238.065,180	15,090	14,627
9							59	47	86.619	15.143,168	222.289,308	14,679	14,216
10							60	48	85.542	14.519,279	207.146,140	14,267	13,804
11							61	49	84.399	13.908,139	192.626,861	13,850	13,387
12	0	99.370	69.695,929	1.976.525,788	28,359	27,896	62	50	83.185	13.308,751	178.718,722	13,429	12,965
13	1	98.980	67.400,224	1.906.829,860	28,291	27,828	63	51	81.857	12.714,866	165.409,971	13,009	12,546
14	2	98.931	65.405,193	1.839.429,636	28,124	27,660	64	52	80.450	12.132,352	152.695,105	12,586	12,123
15	3	98.893	63.475,920	1.774.024,443	27,948	27,485	65	53	78.941	11.558,041	140.562,753	12,161	11,698
16	4	98.853	61.601,994	1.710.548,523	27,768	27,305	66	54	77.314	10.990,066	129.004,712	11,738	11,275
17	5	98.802	59.777,132	1.648.946,529	27,585	27,122	67	55	75.571	10.429,399	118.014,646	11,316	10,852
18	6	98.740	57.999,052	1.589.169,397	27,400	26,937	68	56	73.672	9.871,215	107.585,247	10,899	10,436
19	7	98.656	56.261,863	1.531.170,345	27,215	26,752	69	57	71.642	9.319,580	97.714,032	10,485	10,022
20	8	98.567	54.574,421	1.474.908,482	27,026	26,562	70	58	69.485	8.775,787	88.394,451	10,073	9,609
21	9	98.483	52.939,510	1.420.334,060	26,829	26,366	71	59	67.178	8.237,342	79.618,664	9,666	9,202
22	10	98.400	51.353,964	1.367.394,550	26,627	26,164	72	60	64.732	7.706,199	71.381,322	9,263	8,800
23	11	98.317	49.816,437	1.316.040,586	26,418	25,955	73	61	62.110	7.178,619	63.675,123	8,870	8,407
24	12	98.235	48.325,091	1.266.224,150	26,202	25,739	74	62	59.365	6.661,525	56.496,504	8,481	8,018
25	13	98.155	46.879,540	1.217.899,059	25,979	25,516	75	63	56.487	6.153,945	49.834,979	8,098	7,635
26	14	98.074	45.476,418	1.171.019,519	25,750	25,287	76	64	53.508	5.659,701	43.681,034	7,718	7,255
27	15	97.992	44.115,145	1.125.543,101	25,514	25,051	77	65	50.467	5.182,561	38.021,333	7,336	6,873
28	16	97.905	42.791,961	1.081.427,956	25,272	24,809	78	66	47.315	4.717,356	32.838,771	6,961	6,498
29	17	97.812	41.506,264	1.038.635,995	25,024	24,560	79	67	44.041	4.262,980	28.121,415	6,597	6,133
30	18	97.722	40.260,141	997.129,731	24,767	24,304	80	68	40.690	3.823,929	23.858,436	6,239	5,776
31	19	97.622	39.047,726	956.869,590	24,505	24,042	81	69	37.235	3.397,333	20.034,507	5,897	5,434
32	20	97.518	37.869,976	917.821,864	24,236	23,773	82	70	33.742	2.988,943	16.637,174	5,566	5,103
33	21	97.408	36.725,242	879.951,888	23,960	23,497	83	71	30.140	2.592,130	13.648,231	5,265	4,802
34	22	97.298	35.615,581	843.226,646	23,676	23,213	84	72	26.630	2.223,556	11.056,100	4,972	4,509
35	23	97.179	34.535,856	807.611,064	23,385	22,921	85	73	23.267	1.886,124	8.832,544	4,683	4,220
36	24	97.052	33.486,130	773.075,208	23,086	22,623	86	74	20.144	1.585,423	6.946,421	4,381	3,918
37	25	96.916	32.465,283	739.589,079	22,781	22,318	87	75	17.078	1.304,954	5.360,998	4,108	3,645
38	26	96.775	31.473,866	707.123,795	22,467	22,004	88	76	14.137	1.048,769	4.056,043	3,867	3,404
39	27	96.615	30.506,502	675.649,929	22,148	21,685	89	77	11.456	825,108	3.007,275	3,645	3,181
40	28	96.438	29.563,695	645.143,428	21,822	21,359	90	78	9.090	635,669	2.182,167	3,433	2,970
41	29	96.243	28.644,680	615.579,733	21,490	21,027	91	79	7.055	478,984	1.546,498	3,229	2,765
42	30	96.032	27.749,413	586.935,052	21,151	20,688	92	80	5.321	350,718	1.067,514	3,044	2,581
43	31	95.789	26.872,957	559.185,639	20,808	20,345	93	81	3.898	249,443	716,796	2,874	2,410
44	32	95.518	26.016,365	532.312,682	20,461	19,997	94	82	2.769	172,043	467,354	2,716	2,253
45	33	95.228	25.181,885	506.296,317	20,106	19,642	95	83	1.901	114,696	295,311	2,575	2,112
46	34	94.897	24.363,464	481.114,432	19,747	19,284	96	84	1.263	73,962	180,615	2,442	1,979
47	35	94.530	23.562,509	456.750,968	19,385	18,921	97	85	809	45,991	106,654	2,319	1,856
48	36	94.128	22.778,815	433.188,459	19,017	18,554	98	86	500	27,609	60,662	2,197	1,734
49	37	93.691	22.012,614	410.409,644	18,644	18,181	99	87	296	15,848	33,053	2,086	1,622
							100	88	166	8,656	17,205	1,988	1,524

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 13 Jahre

Zinsfuß 3,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	37	93.270	21.275,548	389.764,067	18,320	17,857
1							51	38	92.751	20.540,911	368.488,520	17,939	17,476
2							52	39	92.206	19.825,436	347.947,609	17,551	17,087
3							53	40	91.592	19.119,796	328.122,173	17,161	16,698
4							54	41	90.937	18.430,182	309.002,377	16,766	16,303
5							55	42	90.230	17.754,316	290.572,195	16,366	15,903
6							56	43	89.454	17.088,932	272.817,879	15,965	15,501
7							57	44	88.638	16.439,897	255.728,948	15,555	15,092
8							58	45	87.749	15.800,932	239.289,050	15,144	14,681
9							59	46	86.775	15.170,414	223.488,118	14,732	14,269
10							60	47	85.709	14.547,569	208.317,704	14,320	13,857
11							61	48	84.579	13.937,685	193.770,135	13,903	13,439
12							62	49	83.386	13.340,859	179.832,450	13,480	13,017
13	0	99.357	67.657,113	1.908.764,014	28,212	27,749	63	50	82.065	12.747,073	166.491,591	13,061	12,598
14	1	98.967	65.428,626	1.841.106,901	28,139	27,676	64	51	80.674	12.166,140	153.744,517	12,637	12,174
15	2	98.913	63.488,472	1.775.678,275	27,969	27,505	65	52	79.181	11.593,089	141.578,377	12,212	11,749
16	3	98.870	61.612,570	1.712.189,803	27,790	27,326	66	53	77.559	11.024,877	129.985,288	11,790	11,327
17	4	98.815	59.784,854	1.650.577,233	27,609	27,145	67	54	75.834	10.465,801	118.960,410	11,367	10,903
18	5	98.752	58.006,635	1.590.792,379	27,424	26,961	68	55	73.952	9.908,738	108.494,609	10,949	10,486
19	6	98.665	56.267,048	1.532.785,745	27,241	26,778	69	56	71.930	9.357,147	98.585,871	10,536	10,073
20	7	98.576	54.579,174	1.476.518,697	27,053	26,590	70	57	69.797	8.815,130	89.228,724	10,122	9,659
21	8	98.493	52.944,592	1.421.939,522	26,857	26,394	71	58	67.504	8.277,202	80.413,594	9,715	9,252
22	9	98.406	51.357,282	1.368.994,930	26,656	26,193	72	59	65.063	7.745,576	72.136,392	9,313	8,850
23	10	98.325	49.820,626	1.317.637,647	26,448	25,984	73	60	62.453	7.218,351	64.390,816	8,920	8,457
24	11	98.244	48.329,623	1.267.817,021	26,233	25,769	74	61	59.701	6.699,224	57.172,466	8,534	8,071
25	12	98.164	46.883,522	1.219.487,398	26,011	25,548	75	62	56.844	6.192,917	50.473,242	8,150	7,687
26	13	98.084	45.480,825	1.172.603,876	25,782	25,319	76	63	53.875	5.698,461	44.280,325	7,771	7,307
27	14	98.004	44.120,286	1.127.123,052	25,547	25,083	77	64	50.839	5.220,740	38.581,864	7,390	6,927
28	15	97.922	42.799,608	1.083.002,765	25,304	24,841	78	65	47.705	4.756,202	33.361,124	7,014	6,551
29	16	97.833	41.515,056	1.040.203,157	25,056	24,593	79	66	44.443	4.301,940	28.604,923	6,649	6,186
30	17	97.743	40.269,001	998.688,102	24,800	24,337	80	67	41.108	3.863,198	24.302,982	6,291	5,828
31	18	97.651	39.058,959	958.419,101	24,538	24,075	81	68	37.666	3.436,640	20.439,784	5,948	5,484
32	19	97.545	37.880,477	919.360,142	24,270	23,807	82	69	34.178	3.027,569	17.003,144	5,616	5,153
33	20	97.438	36.736,846	881.479,665	23,994	23,531	83	70	30.575	2.629,505	13.975,575	5,315	4,852
34	21	97.322	35.624,298	844.742,819	23,713	23,249	84	71	27.069	2.260,199	11.346,070	5,020	4,557
35	22	97.205	34.545,209	809.118,522	23,422	22,959	85	72	23.694	1.920,753	9.085,871	4,730	4,267
36	23	97.077	33.494,869	774.573,313	23,125	22,662	86	73	20.563	1.618,394	7.165,118	4,427	3,964
37	24	96.943	32.474,106	741.078,444	22,821	22,357	87	74	17.476	1.335,349	5.546,724	4,154	3,691
38	25	96.799	31.481,612	708.604,338	22,509	22,045	88	75	14.513	1.076,684	4.211,375	3,911	3,448
39	26	96.642	30.515,045	677.122,726	22,190	21,727	89	76	11.797	849,705	3.134,691	3,689	3,226
40	27	96.466	29.572,313	646.607,681	21,865	21,402	90	77	9.396	657,045	2.284,986	3,478	3,014
41	28	96.272	28.653,185	617.035,368	21,535	21,071	91	78	7.327	497,419	1.627,941	3,273	2,810
42	29	96.060	27.757,538	588.382,183	21,197	20,734	92	79	5.555	366,119	1.130,522	3,088	2,625
43	30	95.820	26.881,758	560.624,644	20,855	20,392	93	80	4.098	262,216	764,403	2,915	2,452
44	31	95.552	26.025,662	533.742,886	20,508	20,045	94	81	2.933	182,199	502,186	2,756	2,293
45	32	95.262	25.190,842	507.717,224	20,155	19,692	95	82	2.033	122,620	319,987	2,610	2,146
46	33	94.935	24.373,203	482.526,382	19,797	19,334	96	83	1.360	79,671	197,367	2,477	2,014
47	34	94.575	23.573,561	458.153,179	19,435	18,972	97	84	880	50,010	117,697	2,353	1,890
48	35	94.176	22.790,482	434.579,618	19,068	18,605	98	85	548	30,234	67,687	2,239	1,776
49	36	93.744	22.025,069	411.789,136	18,696	18,233	99	86	329	17,625	37,452	2,125	1,662
							100	87	189	9,813	19,827	2,021	1,557

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 14 Jahre

Zinsfuß 3,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	36	93.323	21.287,585	391.015,762	18,368	17,905
1							51	37	92.808	20.553,515	369.728,177	17,989	17,525
2							52	38	92.270	19.839,313	349.174,662	17,600	17,137
3							53	39	91.665	19.135,109	329.335,349	17,211	16,748
4							54	40	91.016	18.446,230	310.200,240	16,816	16,353
5							55	41	90.319	17.771,883	291.754,010	16,417	15,953
6							56	42	89.555	17.108,173	273.982,127	16,015	15,551
7							57	43	88.753	16.461,264	256.873,954	15,605	15,142
8							58	44	87.871	15.822,958	240.412,690	15,194	14,731
9							59	45	86.913	15.194,513	224.589,732	14,781	14,318
10							60	46	85.863	14.573,743	209.395,219	14,368	13,905
11							61	47	84.744	13.964,842	194.821,476	13,951	13,488
12							62	48	83.563	13.369,201	180.856,634	13,528	13,065
13							63	49	82.263	12.777,826	167.487,433	13,108	12,644
14	0	99.344	65.678,001	1.842.896,678	28,060	27,596	64	50	80.879	12.196,957	154.709,607	12,684	12,221
15	1	98.948	63.511,218	1.777.218,677	27,983	27,520	65	51	79.401	11.625,376	142.512,650	12,259	11,796
16	2	98.890	61.624,754	1.713.707,458	27,809	27,346	66	52	77.794	11.058,309	130.887,274	11,836	11,373
17	3	98.832	59.795,117	1.652.082,705	27,629	27,166	67	53	76.075	10.498,952	119.828,965	11,413	10,950
18	4	98.765	58.014,128	1.592.287,587	27,447	26,983	68	54	74.210	9.943,323	109.330,012	10,995	10,532
19	5	98.678	56.274,404	1.534.273,460	27,264	26,801	69	55	72.204	9.392,716	99.386,689	10,581	10,118
20	6	98.585	54.584,204	1.477.999,055	27,077	26,614	70	56	70.078	8.850,663	89.993,973	10,168	9,705
21	7	98.501	52.949,204	1.423.414,851	26,883	26,419	71	57	67.806	8.314,310	81.143,311	9,759	9,296
22	8	98.415	51.362,213	1.370.465,647	26,682	26,219	72	58	65.378	7.783,056	72.829,001	9,357	8,894
23	9	98.332	49.823,846	1.319.103,435	26,475	26,012	73	59	62.772	7.255,235	65.045,945	8,965	8,502
24	10	98.252	48.333,688	1.269.279,589	26,261	25,798	74	60	60.031	6.736,302	57.790,710	8,579	8,116
25	11	98.173	46.887,919	1.220.945,901	26,040	25,576	75	61	57.166	6.227,964	51.054,408	8,198	7,734
26	12	98.092	45.484,688	1.174.057,982	25,812	25,349	76	62	54.216	5.734,548	44.826,445	7,817	7,354
27	13	98.013	44.124,561	1.128.573,295	25,577	25,114	77	63	51.187	5.256,493	39.091,896	7,437	6,974
28	14	97.934	42.804,596	1.084.448,734	25,335	24,872	78	64	48.056	4.791,239	33.835,403	7,062	6,599
29	15	97.850	41.522,474	1.041.644,138	25,086	24,623	79	65	44.809	4.337,365	29.044,164	6,696	6,233
30	16	97.764	40.277,530	1.000.121,663	24,831	24,368	80	66	41.484	3.898,505	24.706,799	6,338	5,874
31	17	97.672	39.067,555	959.844,133	24,569	24,106	81	67	38.053	3.471,932	20.808,293	5,993	5,530
32	18	97.573	37.891,374	920.776,578	24,300	23,837	82	68	34.573	3.062,598	17.336,361	5,661	5,197
33	19	97.465	36.747,032	882.885,204	24,026	23,563	83	69	30.970	2.663,486	14.273,763	5,359	4,896
34	20	97.353	35.635,553	846.138,172	23,744	23,281	84	70	27.459	2.292,787	11.610,277	5,064	4,601
35	21	97.229	34.553,663	810.502,618	23,456	22,993	85	71	24.084	1.952,406	9.317,489	4,772	4,309
36	22	97.104	33.503,939	775.948,955	23,160	22,697	86	72	20.940	1.648,108	7.365,083	4,469	4,006
37	23	96.968	32.482,581	742.445,016	22,857	22,393	87	73	17.839	1.363,119	5.716,976	4,194	3,731
38	24	96.825	31.490,167	709.962,435	22,546	22,082	88	74	14.851	1.101,762	4.353,857	3,952	3,488
39	25	96.666	30.522,555	678.472,267	22,229	21,765	89	75	12.111	872,322	3.252,094	3,728	3,265
40	26	96.493	29.580,595	647.949,712	21,905	21,441	90	76	9.676	676,632	2.379,772	3,517	3,054
41	27	96.300	28.661,538	618.369,117	21,575	21,112	91	77	7.573	514,145	1.703,140	3,313	2,849
42	28	96.089	27.765,780	589.707,579	21,239	20,775	92	78	5.768	380,211	1.188,995	3,127	2,664
43	29	95.849	26.889,629	561.941,799	20,898	20,435	93	79	4.277	273,731	808,784	2,955	2,491
44	30	95.583	26.034,186	535.052,170	20,552	20,089	94	80	3.083	191,529	535,053	2,794	2,330
45	31	95.296	25.199,844	509.017,984	20,199	19,736	95	81	2.153	129,859	343,523	2,645	2,182
46	32	94.968	24.381,872	483.818,141	19,843	19,380	96	82	1.454	85,175	213,665	2,509	2,045
47	33	94.612	23.582,984	459.436,268	19,482	19,018	97	83	947	53,870	128,490	2,385	1,922
48	34	94.220	22.801,172	435.853,284	19,115	18,652	98	84	596	32,876	74,619	2,270	1,806
49	35	93.792	22.036,350	413.052,112	18,744	18,281	99	85	360	19,301	41,743	2,163	1,700
							100	86	210	10,913	22,442	2,056	1,593

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 15 Jahre

Zinsfuß 3,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	35	93.371	21.298,489	392.161,668	18,413	17,949
1							51	36	92.860	20.565,144	370.863,179	18,034	17,570
2							52	37	92.327	19.851,487	350.298,035	17,646	17,183
3							53	38	91.729	19.148,504	330.446,549	17,257	16,794
4							54	39	91.089	18.461,003	311.298,045	16,862	16,399
5							55	40	90.398	17.787,358	292.837,042	16,463	16,000
6							56	41	89.643	17.125,101	275.049,684	16,061	15,598
7							57	42	88.853	16.479,799	257.924,583	15,651	15,188
8							58	43	87.985	15.843,523	241.444,784	15,239	14,776
9							59	44	87.034	15.215,693	225.601,262	14,827	14,364
10							60	45	85.999	14.596,894	210.385,568	14,413	13,950
11							61	46	84.896	13.989,968	195.788,674	13,995	13,532
12							62	47	83.726	13.395,250	181.798,707	13,572	13,109
13							63	48	82.437	12.804,972	168.403,457	13,151	12,688
14							64	49	81.074	12.226,383	155.598,485	12,726	12,263
15	0	99.326	63.753,285	1.778.875,624	27,902	27,439	65	50	79.602	11.654,823	143.372,102	12,302	11,838
16	1	98.925	61.646,832	1.715.122,338	27,822	27,359	66	51	78.011	11.089,106	131.717,279	11,878	11,415
17	2	98.852	59.806,942	1.653.475,506	27,647	27,184	67	52	76.305	10.530,789	120.628,173	11,455	10,992
18	3	98.782	58.024,087	1.593.668,564	27,466	27,002	68	53	74.445	9.974,819	110.097,384	11,038	10,574
19	4	98.690	56.281,673	1.535.644,477	27,285	26,822	69	54	72.456	9.425,500	100.122,564	10,623	10,159
20	5	98.598	54.591,340	1.479.362,804	27,099	26,636	70	55	70.344	8.884,307	90.697,065	10,209	9,745
21	6	98.510	52.954,083	1.424.771,463	26,906	26,443	71	56	68.079	8.347,824	81.812,758	9,800	9,337
22	7	98.424	51.366,686	1.371.817,380	26,706	26,243	72	57	65.671	7.817,948	73.464,934	9,397	8,934
23	8	98.341	49.828,629	1.320.450,694	26,500	26,037	73	58	63.076	7.290,342	65.646,986	9,005	8,541
24	9	98.259	48.336,811	1.270.622,065	26,287	25,824	74	59	60.338	6.770,723	58.356,644	8,619	8,156
25	10	98.181	46.891,862	1.222.285,254	26,066	25,603	75	60	57.482	6.262,434	51.585,921	8,237	7,774
26	11	98.101	45.488,953	1.175.393,392	25,839	25,376	76	61	54.523	5.767,001	45.323,487	7,859	7,396
27	12	98.022	44.128,309	1.129.904,438	25,605	25,142	77	62	51.511	5.289,781	39.556,486	7,478	7,015
28	13	97.943	42.808,744	1.085.776,129	25,363	24,900	78	63	48.386	4.824,052	34.266,705	7,103	6,640
29	14	97.862	41.527,313	1.042.967,386	25,115	24,652	79	64	45.139	4.369,317	29.442,653	6,739	6,275
30	15	97.782	40.284,728	1.001.440,072	24,859	24,396	80	65	41.825	3.930,608	25.073,336	6,379	5,916
31	16	97.693	39.075,830	961.155,344	24,597	24,134	81	66	38.401	3.503,664	21.142,728	6,034	5,571
32	17	97.595	37.899,713	922.079,514	24,329	23,866	82	67	34.928	3.094,049	17.639,064	5,701	5,238
33	18	97.493	36.757,603	884.179,801	24,054	23,591	83	68	31.328	2.694,302	14.545,015	5,398	4,935
34	19	97.380	35.645,434	847.422,198	23,774	23,310	84	69	27.814	2.322,417	11.850,713	5,103	4,640
35	20	97.260	34.564,581	811.776,763	23,486	23,023	85	70	24.432	1.980,557	9.528,295	4,811	4,348
36	21	97.128	33.512,139	777.212,182	23,192	22,729	86	71	21.286	1.675,267	7.547,739	4,505	4,042
37	22	96.994	32.491,378	743.700,044	22,889	22,426	87	72	18.167	1.388,146	5.872,471	4,230	3,767
38	23	96.851	31.498,386	711.208,666	22,579	22,116	88	73	15.160	1.124,675	4.484,325	3,987	3,524
39	24	96.692	30.530,850	679.710,280	22,263	21,800	89	74	12.393	892,640	3.359,651	3,764	3,300
40	25	96.517	29.587,875	649.179,431	21,941	21,478	90	75	9.934	694,642	2.467,010	3,551	3,088
41	26	96.327	28.669,564	619.591,555	21,611	21,148	91	76	7.799	529,473	1.772,368	3,347	2,884
42	27	96.117	27.773,874	590.921,991	21,276	20,813	92	77	5.962	392,996	1.242,895	3,163	2,699
43	28	95.877	26.897,613	563.148,117	20,937	20,474	93	78	4.442	284,267	849,899	2,990	2,527
44	29	95.611	26.041,809	536.250,504	20,592	20,129	94	79	3.218	199,940	565,633	2,829	2,366
45	30	95.327	25.208,097	510.208,696	20,240	19,777	95	80	2.263	136,509	365,693	2,679	2,216
46	31	95.002	24.390,585	485.000,598	19,885	19,422	96	81	1.540	90,203	229,184	2,541	2,078
47	32	94.646	23.591,373	460.610,013	19,525	19,061	97	82	1.013	57,592	138,981	2,413	1,950
48	33	94.258	22.810,286	437.018,641	19,159	18,696	98	83	642	35,414	81,388	2,298	1,835
49	34	93.836	22.046,686	414.208,354	18,788	18,325	99	84	392	20,988	45,974	2,191	1,727
							100	85	230	11,950	24,987	2,091	1,628

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 16 Jahre

Zinsfuß 3,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	34	93.414	21.308,479	393.210,728	18,453	17,990
1							51	35	92.908	20.575,678	371.902,249	18,075	17,612
2							52	36	92.379	19.862,718	351.326,572	17,688	17,225
3							53	37	91.786	19.160,253	331.463,854	17,300	16,836
4							54	38	91.153	18.473,926	312.303,600	16,905	16,442
5							55	39	90.470	17.801,604	293.829,675	16,506	16,043
6							56	40	89.721	17.140,012	276.028,071	16,104	15,641
7							57	41	88.941	16.496,105	258.888,058	15,694	15,231
8							58	42	88.085	15.861,362	242.391,953	15,282	14,819
9							59	43	87.147	15.235,469	226.530,592	14,869	14,405
10							60	44	86.119	14.617,241	211.295,123	14,455	13,992
11							61	45	85.031	14.012,191	196.677,881	14,036	13,573
12							62	46	83.876	13.419,351	182.665,690	13,612	13,149
13							63	47	82.598	12.829,921	169.246,339	13,192	12,728
14							64	48	81.246	12.252,357	156.416,418	12,766	12,303
15							65	49	79.794	11.682,941	144.164,061	12,340	11,876
16	0	99.302	61.881,793	1.716.657,111	27,741	27,278	66	50	78.208	11.117,195	132.481,120	11,917	11,454
17	1	98.887	59.828,369	1.654.775,318	27,659	27,195	67	51	76.518	10.560,117	121.363,925	11,493	11,029
18	2	98.802	58.035,562	1.594.946,949	27,482	27,019	68	52	74.671	10.005,067	110.803,808	11,075	10,612
19	3	98.707	56.291,336	1.536.911,387	27,303	26,840	69	53	72.685	9.455,355	100.798,741	10,660	10,197
20	4	98.611	54.598,392	1.480.620,052	27,118	26,655	70	54	70.590	8.915,316	91.343,386	10,246	9,782
21	5	98.523	52.961,006	1.426.021,660	26,926	26,463	71	55	68.338	8.379,556	82.428,070	9,837	9,374
22	6	98.433	51.371,420	1.373.060,653	26,728	26,265	72	56	65.936	7.849,461	74.048,513	9,434	8,970
23	7	98.350	49.832,969	1.321.689,233	26,522	26,059	73	57	63.359	7.323,026	66.199,052	9,040	8,577
24	8	98.268	48.341,452	1.271.856,265	26,310	25,847	74	58	60.630	6.803,486	58.876,026	8,654	8,191
25	9	98.187	46.894,892	1.223.514,813	26,091	25,627	75	59	57.776	6.294,433	52.072,540	8,273	7,810
26	10	98.109	45.492,779	1.176.619,921	25,864	25,401	76	60	54.825	5.798,920	45.778,107	7,894	7,431
27	11	98.031	44.132,448	1.131.127,142	25,630	25,167	77	61	51.803	5.319,717	39.979,187	7,515	7,052
28	12	97.952	42.812,380	1.086.994,694	25,390	24,927	78	62	48.692	4.854,601	34.659,470	7,140	6,676
29	13	97.871	41.531,337	1.044.182,314	25,142	24,679	79	63	45.448	4.399,240	29.804,869	6,775	6,312
30	14	97.793	40.289,423	1.002.650,977	24,886	24,423	80	64	42.133	3.959,564	25.405,629	6,416	5,953
31	15	97.710	39.082,813	962.361,554	24,624	24,160	81	65	38.717	3.532,515	21.446,065	6,071	5,608
32	16	97.616	37.907,741	923.278,741	24,356	23,893	82	66	35.248	3.122,327	17.913,550	5,737	5,274
33	17	97.515	36.765,693	885.371,000	24,081	23,618	83	67	31.650	2.721,971	14.791,223	5,434	4,971
34	18	97.408	35.655,689	848.605,308	23,800	23,337	84	68	28.136	2.349,287	12.069,252	5,137	4,674
35	19	97.287	34.574,165	812.949,619	23,513	23,050	85	69	24.747	2.006,152	9.719,965	4,845	4,382
36	20	97.158	33.522,727	778.375,454	23,219	22,756	86	70	21.592	1.699,422	7.713,813	4,539	4,076
37	21	97.018	32.499,329	744.852,727	22,919	22,456	87	71	18.466	1.411,022	6.014,391	4,262	3,799
38	22	96.877	31.506,916	712.353,398	22,609	22,146	88	72	15.438	1.145,324	4.603,369	4,019	3,556
39	23	96.717	30.538,818	680.846,482	22,294	21,831	89	73	12.651	911,204	3.458,045	3,795	3,332
40	24	96.543	29.595,916	650.307,664	21,973	21,510	90	74	10.165	710,822	2.546,842	3,583	3,120
41	25	96.351	28.676,621	620.711,749	21,645	21,182	91	75	8.006	543,566	1.836,020	3,378	2,915
42	26	96.144	27.781,652	592.035,128	21,310	20,847	92	76	6.140	404,712	1.292,454	3,194	2,730
43	27	95.905	26.905,454	564.253,476	20,972	20,508	93	77	4.591	293,825	887,742	3,021	2,558
44	28	95.640	26.049,541	537.348,022	20,628	20,165	94	78	3.342	207,635	593,917	2,860	2,397
45	29	95.355	25.215,478	511.298,482	20,277	19,814	95	79	2.362	142,503	386,281	2,711	2,247
46	30	95.034	24.398,573	486.083,003	19,923	19,459	96	80	1.619	94,822	243,778	2,571	2,108
47	31	94.680	23.599,803	461.684,430	19,563	19,100	97	81	1.073	60,992	148,955	2,442	1,979
48	32	94.291	22.818,400	438.084,627	19,199	18,736	98	82	686	37,861	87,963	2,323	1,860
49	33	93.873	22.055,499	415.266,227	18,828	18,365	99	83	422	22,608	50,102	2,216	1,753
							100	84	250	12,995	27,495	2,116	1,653

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 17 Jahre

Zinsfuß 3,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	33	93.452	21.316,997	394.170,533	18,491	18,028
1							51	34	92.951	20.585,328	372.853,536	18,113	17,649
2							52	35	92.427	19.872,892	352.268,208	17,726	17,263
3							53	36	91.837	19.171,094	332.395,315	17,338	16,875
4							54	37	91.209	18.485,261	313.224,222	16,945	16,481
5							55	38	90.534	17.814,065	294.738,960	16,545	16,082
6							56	39	89.793	17.153,740	276.924,895	16,144	15,680
7							57	40	89.019	16.510,469	259.771,156	15,734	15,270
8							58	41	88.172	15.877,056	243.260,687	15,322	14,858
9							59	42	87.245	15.252,623	227.383,631	14,908	14,445
10							60	43	86.231	14.636,239	212.131,008	14,494	14,030
11							61	44	85.149	14.031,724	197.494,768	14,075	13,612
12							62	45	84.010	13.440,668	183.463,045	13,650	13,187
13							63	46	82.747	12.853,005	170.022,377	13,228	12,765
14							64	47	81.404	12.276,230	157.169,372	12,803	12,340
15							65	48	79.964	11.707,761	144.893,142	12,376	11,913
16							66	49	78.397	11.144,016	133.185,381	11,951	11,488
17	0	99.264	60.056,399	1.656.197,706	27,577	27,114	67	50	76.712	10.586,866	122.041,365	11,528	11,064
18	1	98.837	58.056,354	1.596.141,307	27,493	27,030	68	51	74.879	10.032,930	111.454,499	11,109	10,646
19	2	98.727	56.302,467	1.538.084,953	27,318	26,855	69	52	72.906	9.484,028	101.421,569	10,694	10,231
20	3	98.628	54.607,765	1.481.782,485	27,135	26,672	70	53	70.813	8.943,556	91.937,541	10,280	9,817
21	4	98.536	52.967,847	1.427.174,720	26,944	26,481	71	54	68.577	8.408,804	82.993,985	9,870	9,407
22	5	98.446	51.378,136	1.374.206,873	26,747	26,284	72	55	66.186	7.879,299	74.585,181	9,466	9,003
23	6	98.359	49.837,561	1.322.828,737	26,543	26,080	73	56	63.614	7.352,544	66.705,882	9,072	8,609
24	7	98.277	48.345,662	1.272.991,176	26,331	25,868	74	57	60.902	6.833,987	59.353,338	8,685	8,222
25	8	98.197	46.899,394	1.224.645,513	26,112	25,649	75	58	58.056	6.324,892	52.519,351	8,304	7,840
26	9	98.116	45.495,719	1.177.746,119	25,887	25,424	76	59	55.105	5.828,551	46.194,460	7,926	7,462
27	10	98.039	44.136,159	1.132.250,400	25,654	25,190	77	60	52.090	5.349,160	40.365,909	7,546	7,083
28	11	97.961	42.816,395	1.088.114,241	25,413	24,950	78	61	48.967	4.882,074	35.016,749	7,173	6,709
29	12	97.880	41.534,865	1.045.297,846	25,167	24,704	79	62	45.736	4.427,100	30.134,674	6,807	6,344
30	13	97.802	40.293,327	1.003.762,981	24,911	24,448	80	63	42.422	3.986,680	25.707,575	6,448	5,985
31	14	97.722	39.087,368	963.469,655	24,649	24,186	81	64	39.002	3.558,538	21.720,895	6,104	5,641
32	15	97.633	37.914,515	924.382,287	24,381	23,917	82	65	35.538	3.148,038	18.162,357	5,769	5,306
33	16	97.536	36.773,480	886.467,772	24,106	23,643	83	66	31.939	2.746,848	15.014,319	5,466	5,003
34	17	97.429	35.663,535	849.694,292	23,825	23,362	84	67	28.425	2.373,413	12.267,470	5,169	4,705
35	18	97.315	34.584,111	814.030,756	23,538	23,074	85	68	25.034	2.029,363	9.894,057	4,875	4,412
36	19	97.185	33.532,023	779.446,645	23,245	22,782	86	69	21.872	1.721,384	7.864,695	4,569	4,106
37	20	97.049	32.509,598	745.914,623	22,944	22,481	87	70	18.732	1.431,367	6.143,311	4,292	3,829
38	21	96.901	31.514,627	713.405,025	22,637	22,174	88	71	15.693	1.164,198	4.711,944	4,047	3,584
39	22	96.743	30.547,088	681.890,399	22,323	21,859	89	72	12.883	927,933	3.547,746	3,823	3,360
40	23	96.568	29.603,640	651.343,311	22,002	21,539	90	73	10.376	725,604	2.619,812	3,611	3,147
41	24	96.377	28.684,414	621.739,671	21,675	21,212	91	74	8.193	556,227	1.894,208	3,405	2,942
42	25	96.168	27.788,490	593.055,258	21,342	20,879	92	75	6.303	415,484	1.337,982	3,220	2,757
43	26	95.932	26.912,988	565.266,768	21,003	20,540	93	76	4.728	302,585	922,497	3,049	2,585
44	27	95.668	26.057,135	538.353,780	20,661	20,197	94	77	3.454	214,618	619,913	2,888	2,425
45	28	95.383	25.222,965	512.296,645	20,311	19,847	95	78	2.453	147,988	405,295	2,739	2,275
46	29	95.061	24.405,717	487.073,680	19,957	19,494	96	79	1.690	98,986	257,307	2,599	2,136
47	30	94.711	23.607,532	462.667,963	19,598	19,135	97	80	1.128	64,115	158,320	2,469	2,006
48	31	94.325	22.826,554	439.060,431	19,235	18,771	98	81	726	40,096	94,205	2,349	1,886
49	32	93.906	22.063,344	416.233,877	18,865	18,402	99	82	451	24,169	54,109	2,239	1,776
							100	83	269	13,998	29,940	2,139	1,676

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 18 Jahre

Zinsfuß 3,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	32	93.485	21.324,579	395.048,476	18,525	18,062
1							51	33	92.989	20.593,557	373.723,897	18,148	17,684
2							52	34	92.470	19.882,214	353.130,340	17,761	17,298
3							53	35	91.884	19.180,913	333.248,126	17,374	16,911
4							54	36	91.260	18.495,720	314.067,213	16,981	16,517
5							55	37	90.589	17.824,996	295.571,493	16,582	16,119
6							56	38	89.856	17.165,747	277.746,497	16,180	15,717
7							57	39	89.090	16.523,692	260.580,750	15,770	15,307
8							58	40	88.248	15.890,881	244.057,058	15,358	14,895
9							59	41	87.331	15.267,715	228.166,177	14,944	14,481
10							60	42	86.328	14.652,719	212.898,462	14,530	14,066
11							61	43	85.260	14.049,961	198.245,743	14,110	13,647
12							62	44	84.127	13.459,403	184.195,782	13,685	13,222
13							63	45	82.878	12.873,422	170.736,378	13,263	12,799
14							64	46	81.551	12.298,318	157.862,956	12,836	12,373
15							65	47	80.120	11.730,572	145.564,639	12,409	11,946
16							66	48	78.563	11.167,691	133.834,066	11,984	11,521
17							67	49	76.897	10.612,407	122.666,376	11,559	11,096
18	0	99.214	58.277,630	1.597.460,304	27,411	26,948	68	50	75.069	10.058,344	112.053,968	11,140	10,677
19	1	98.762	56.322,639	1.539.182,674	27,328	26,865	69	51	73.109	9.510,440	101.995,624	10,725	10,261
20	2	98.647	54.618,564	1.482.860,035	27,149	26,686	70	52	71.028	8.970,676	92.485,184	10,310	9,846
21	3	98.553	52.976,941	1.428.241,471	26,960	26,496	71	53	68.794	8.435,439	83.514,508	9,900	9,437
22	4	98.459	51.384,773	1.375.264,530	26,764	26,301	72	54	66.417	7.906,801	75.079,069	9,496	9,032
23	5	98.372	49.844,077	1.323.879,757	26,560	26,097	73	55	63.856	7.380,493	67.172,268	9,101	8,638
24	6	98.286	48.350,117	1.274.035,681	26,350	25,887	74	56	61.147	6.861,534	59.791,775	8,714	8,251
25	7	98.205	46.903,479	1.225.685,563	26,132	25,669	75	57	58.316	6.353,247	52.930,241	8,331	7,868
26	8	98.125	45.500,086	1.178.782,084	25,907	25,444	76	58	55.371	5.856,755	46.576,994	7,953	7,489
27	9	98.046	44.139,011	1.133.281,998	25,675	25,212	77	59	52.356	5.376,493	40.720,239	7,574	7,111
28	10	97.969	42.819,996	1.089.142,986	25,435	24,972	78	60	49.239	4.909,095	35.343,746	7,200	6,736
29	11	97.889	41.538,760	1.046.322,991	25,189	24,726	79	61	45.995	4.452,153	30.434,651	6,836	6,373
30	12	97.811	40.296,749	1.004.784,230	24,935	24,471	80	62	42.690	4.011,927	25.982,498	6,476	6,013
31	13	97.731	39.091,155	964.487,481	24,673	24,210	81	63	39.269	3.582,908	21.970,571	6,132	5,669
32	14	97.644	37.918,933	925.396,326	24,405	23,941	82	64	35.800	3.171,229	18.387,662	5,798	5,335
33	15	97.553	36.780,052	887.477,393	24,129	23,666	83	65	32.202	2.769,468	15.216,434	5,494	5,031
34	16	97.450	35.671,090	850.697,341	23,848	23,385	84	66	28.685	2.395,105	12.446,966	5,197	4,734
35	17	97.336	34.591,722	815.026,251	23,561	23,098	85	67	25.291	2.050,203	10.051,862	4,903	4,440
36	18	97.213	33.541,669	780.434,529	23,268	22,804	86	68	22.125	1.741,300	8.001,659	4,595	4,132
37	19	97.075	32.518,612	746.892,860	22,968	22,505	87	69	18.974	1.449,864	6.260,359	4,318	3,855
38	20	96.931	31.524,584	714.374,249	22,661	22,198	88	70	15.919	1.180,984	4.810,494	4,073	3,610
39	21	96.767	30.554,564	682.849,665	22,349	21,885	89	71	13.096	943,225	3.629,510	3,848	3,385
40	22	96.594	29.611,657	652.295,101	22,028	21,565	90	72	10.567	738,926	2.686,285	3,635	3,172
41	23	96.402	28.691,900	622.683,444	21,702	21,239	91	73	8.363	567,794	1.947,359	3,430	2,966
42	24	96.194	27.796,041	593.991,545	21,370	20,906	92	74	6.450	425,162	1.379,565	3,245	2,782
43	25	95.955	26.919,612	566.195,504	21,033	20,570	93	75	4.854	310,639	954,403	3,072	2,609
44	26	95.694	26.064,432	539.275,891	20,690	20,227	94	76	3.557	221,016	643,764	2,913	2,450
45	27	95.411	25.230,318	513.211,460	20,341	19,878	95	77	2.536	152,965	422,749	2,764	2,300
46	28	95.090	24.412,963	487.981,142	19,989	19,525	96	78	1.755	102,796	269,784	2,624	2,161
47	29	94.739	23.614,444	463.568,178	19,631	19,167	97	79	1.177	66,931	166,988	2,495	2,032
48	30	94.356	22.834,030	439.953,734	19,267	18,804	98	80	764	42,149	100,057	2,374	1,911
49	31	93.940	22.071,228	417.119,704	18,899	18,436	99	81	478	25,596	57,908	2,262	1,799
							100	82	288	14,965	32,311	2,159	1,696

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 19 Jahre

Zinsfuß 3,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	31	93.518	21.332,199	395.852,217	18,557	18,093
1							51	32	93.022	20.600,882	374.520,018	18,180	17,717
2							52	33	92.507	19.890,161	353.919,135	17,794	17,330
3							53	34	91.928	19.189,910	334.028,974	17,406	16,943
4							54	35	91.307	18.505,194	314.839,064	17,014	16,550
5							55	36	90.641	17.835,081	296.333,870	16,615	16,152
6							56	37	89.911	17.176,280	278.498,789	16,214	15,751
7							57	38	89.152	16.535,259	261.322,509	15,804	15,341
8							58	39	88.319	15.903,608	244.787,251	15,392	14,929
9							59	40	87.407	15.281,010	228.883,643	14,978	14,515
10							60	41	86.413	14.667,217	213.602,634	14,563	14,100
11							61	42	85.356	14.065,780	198.935,416	14,143	13,680
12							62	43	84.236	13.476,897	184.869,636	13,718	13,254
13							63	44	82.994	12.891,367	171.392,739	13,295	12,832
14							64	45	81.680	12.317,854	158.501,372	12,868	12,404
15							65	46	80.264	11.751,678	146.183,518	12,439	11,976
16							66	47	78.716	11.189,450	134.431,840	12,014	11,551
17							67	48	77.060	10.634,953	123.242,390	11,588	11,125
18							68	49	75.250	10.082,610	112.607,438	11,168	10,705
19	0	99.139	56.537,307	1.540.406,495	27,246	26,783	69	50	73.294	9.534,531	102.524,827	10,753	10,290
20	1	98.683	54.638,132	1.483.869,188	27,158	26,695	70	51	71.226	8.995,659	92.990,297	10,337	9,874
21	2	98.572	52.987,417	1.429.231,056	26,973	26,510	71	52	69.003	8.461,019	83.994,637	9,927	9,464
22	3	98.475	51.393,594	1.376.243,638	26,779	26,315	72	53	66.628	7.931,846	75.533,619	9,523	9,060
23	4	98.384	49.850,515	1.324.850,044	26,576	26,113	73	54	64.079	7.406,254	67.601,773	9,128	8,664
24	5	98.299	48.356,439	1.274.999,529	26,367	25,903	74	55	61.380	6.887,616	60.195,519	8,740	8,276
25	6	98.215	46.907,801	1.226.643,090	26,150	25,687	75	56	58.551	6.378,856	53.307,903	8,357	7,894
26	7	98.134	45.504,049	1.179.735,289	25,926	25,463	76	57	55.620	5.883,011	46.929,047	7,977	7,514
27	8	98.055	44.143,249	1.134.231,240	25,694	25,231	77	58	52.609	5.402,510	41.046,036	7,598	7,134
28	9	97.975	42.822,763	1.090.087,991	25,456	24,993	78	59	49.490	4.934,179	35.643,526	7,224	6,761
29	10	97.897	41.542,254	1.047.265,228	25,210	24,746	79	60	46.250	4.476,795	30.709,346	6,860	6,396
30	11	97.820	40.300,528	1.005.722,974	24,956	24,492	80	61	42.932	4.034,631	26.232,552	6,502	6,039
31	12	97.739	39.094,476	965.422,446	24,695	24,231	81	62	39.518	3.605,598	22.197,920	6,157	5,693
32	13	97.654	37.922,608	926.327,970	24,427	23,964	82	63	36.045	3.192,946	18.592,322	5,823	5,360
33	14	97.564	36.784,338	888.405,363	24,152	23,689	83	64	32.439	2.789,869	15.399,376	5,520	5,057
34	15	97.467	35.677,464	851.621,025	23,870	23,407	84	65	28.921	2.414,827	12.609,507	5,222	4,758
35	16	97.357	34.599,049	815.943,561	23,583	23,120	85	66	25.522	2.068,940	10.194,679	4,927	4,464
36	17	97.234	33.549,050	781.344,511	23,290	22,826	86	67	22.352	1.759,182	8.125,739	4,619	4,156
37	18	97.103	32.527,967	747.795,461	22,989	22,526	87	68	19.194	1.466,639	6.366,557	4,341	3,878
38	19	96.958	31.533,325	715.267,494	22,683	22,220	88	69	16.125	1.196,246	4.899,918	4,096	3,633
39	20	96.798	30.564,218	683.734,169	22,370	21,907	89	70	13.285	956,825	3.703,671	3,871	3,408
40	21	96.618	29.618,904	653.169,952	22,052	21,589	90	71	10.741	751,103	2.746,846	3,657	3,194
41	22	96.428	28.699,670	623.551,048	21,727	21,264	91	72	8.517	578,219	1.995,743	3,452	2,988
42	23	96.219	27.803,295	594.851,379	21,395	20,932	92	73	6.584	434,003	1.417,524	3,266	2,803
43	24	95.981	26.926,928	567.048,083	21,059	20,596	93	74	4.967	317,874	983,521	3,094	2,631
44	25	95.718	26.070,847	540.121,155	20,717	20,254	94	75	3.652	226,898	665,647	2,934	2,470
45	26	95.438	25.237,383	514.050,309	20,369	19,905	95	76	2.611	157,525	438,748	2,785	2,322
46	27	95.117	24.420,080	488.812,925	20,017	19,554	96	77	1.814	106,253	281,224	2,647	2,184
47	28	94.767	23.621,456	464.392,845	19,660	19,197	97	78	1.222	69,507	174,971	2,517	2,054
48	29	94.384	22.840,716	440.771,389	19,298	18,834	98	79	797	44,000	105,464	2,397	1,934
49	30	93.971	22.078,457	417.930,674	18,929	18,466	99	80	502	26,907	61,464	2,284	1,821
							100	81	305	15,848	34,557	2,180	1,717

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 20 Jahre

Zinsfuß 3,00%

Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	30	93.549	21.339,186	396.588,055	18,585	18,122
1							51	31	93.055	20.608,244	375.248,869	18,209	17,745
2							52	32	92.540	19.897,236	354.640,626	17,824	17,360
3							53	33	91.964	19.197,581	334.743,390	17,437	16,974
4							54	34	91.350	18.513,874	315.545,809	17,044	16,581
5							55	35	90.687	17.844,216	297.031,935	16,646	16,183
6							56	36	89.962	17.185,998	279.187,719	16,245	15,782
7							57	37	89.207	16.545,405	262.001,721	15,835	15,372
8							58	38	88.381	15.914,740	245.456,316	15,423	14,960
9							59	39	87.477	15.293,248	229.541,576	15,009	14,546
10							60	40	86.489	14.679,989	214.248,328	14,595	14,131
11							61	41	85.441	14.079,698	199.568,339	14,174	13,711
12							62	42	84.331	13.492,071	185.488,642	13,748	13,285
13							63	43	83.101	12.908,122	171.996,571	13,325	12,861
14							64	44	81.794	12.335,024	159.088,448	12,897	12,434
15							65	45	80.391	11.770,346	146.753,424	12,468	12,005
16							66	46	78.858	11.209,582	134.983,078	12,042	11,579
17							67	47	77.210	10.655,674	123.773,496	11,616	11,153
18							68	48	75.409	10.104,030	113.117,822	11,195	10,732
19							69	49	73.471	9.557,533	103.013,792	10,778	10,315
20	0	99.059	54.846,381	1.485.005,391	27,076	26,612	70	50	71.406	9.018,445	93.456,259	10,363	9,900
21	1	98.608	53.006,401	1.430.159,011	26,981	26,518	71	51	69.195	8.484,582	84.437,813	9,952	9,489
22	2	98.495	51.403,758	1.377.152,610	26,791	26,328	72	52	66.830	7.955,898	75.953,231	9,547	9,084
23	3	98.401	49.859,073	1.325.748,852	26,590	26,127	73	53	64.282	7.429,713	67.997,332	9,152	8,689
24	4	98.311	48.362,685	1.275.889,779	26,382	25,918	74	54	61.594	6.911,657	60.567,619	8,763	8,300
25	5	98.227	46.913,934	1.227.527,094	26,166	25,702	75	55	58.774	6.403,104	53.655,963	8,380	7,916
26	6	98.143	45.508,243	1.180.613,160	25,943	25,480	76	56	55.844	5.906,725	47.252,859	8,000	7,537
27	7	98.063	44.147,094	1.135.104,917	25,712	25,249	77	57	52.845	5.426,730	41.346,134	7,619	7,156
28	8	97.985	42.826,874	1.090.957,824	25,474	25,010	78	58	49.730	4.958,056	35.919,404	7,245	6,781
29	9	97.903	41.544,938	1.048.130,950	25,229	24,766	79	59	46.486	4.499,670	30.961,348	6,881	6,418
30	10	97.828	40.303,918	1.006.586,012	24,975	24,512	80	60	43.170	4.056,962	26.461,678	6,523	6,059
31	11	97.748	39.098,142	966.282,094	24,714	24,251	81	61	39.741	3.626,003	22.404,717	6,179	5,716
32	12	97.662	37.925,829	927.183,952	24,447	23,984	82	62	36.273	3.213,167	18.778,714	5,844	5,381
33	13	97.574	36.787,902	889.258,123	24,173	23,709	83	63	32.662	2.808,976	15.565,547	5,541	5,078
34	14	97.479	35.681,622	852.470,221	23,891	23,428	84	64	29.134	2.432,617	12.756,572	5,244	4,781
35	15	97.374	34.605,232	816.788,599	23,603	23,140	85	65	25.732	2.085,977	10.323,955	4,949	4,486
36	16	97.255	33.556,157	782.183,367	23,310	22,846	86	66	22.556	1.775,260	8.237,978	4,640	4,177
37	17	97.125	32.535,125	748.627,210	23,010	22,547	87	67	19.391	1.481,701	6.462,718	4,362	3,898
38	18	96.986	31.542,396	716.092,085	22,703	22,239	88	68	16.311	1.210,087	4.981,017	4,116	3,653
39	19	96.825	30.572,693	684.549,689	22,391	21,928	89	69	13.456	969,190	3.770,931	3,891	3,428
40	20	96.649	29.628,262	653.976,996	22,073	21,610	90	70	10.896	761,933	2.801,740	3,677	3,214
41	21	96.452	28.706,693	624.348,734	21,749	21,286	91	71	8.657	587,748	2.039,807	3,471	3,007
42	22	96.245	27.810,825	595.642,041	21,418	20,954	92	72	6.705	441,972	1.452,060	3,285	2,822
43	23	96.007	26.933,955	567.831,216	21,082	20,619	93	73	5.071	324,485	1.010,088	3,113	2,650
44	24	95.744	26.077,932	540.897,261	20,742	20,278	94	74	3.737	232,183	685,603	2,953	2,490
45	25	95.461	25.243,595	514.819,330	20,394	19,931	95	75	2.681	161,718	453,420	2,804	2,341
46	26	95.144	24.426,919	489.575,735	20,042	19,579	96	76	1.868	109,421	291,702	2,666	2,203
47	27	94.794	23.628,342	465.148,816	19,686	19,223	97	77	1.264	71,844	182,282	2,537	2,074
48	28	94.412	22.847,497	441.520,474	19,325	18,861	98	78	828	45,694	110,438	2,417	1,954
49	29	93.998	22.084,922	418.672,977	18,957	18,494	99	79	524	28,089	64,744	2,305	1,842
							100	80	320	16,660	36,655	2,200	1,737

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 21 Jahre

Zinsfuß 3,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	29	93.576	21.345,434	397.261,574	18,611	18,148
1							51	30	93.085	20.614,993	375.916,140	18,235	17,772
2							52	31	92.573	19.904,346	355.301,146	17,850	17,387
3							53	32	91.997	19.204,409	335.396,800	17,465	17,001
4							54	33	91.386	18.521,274	316.192,391	17,072	16,609
5							55	34	90.729	17.852,586	297.671,117	16,674	16,211
6							56	35	90.008	17.194,801	279.818,531	16,273	15,810
7							57	36	89.258	16.554,766	262.623,730	15,864	15,401
8							58	37	88.435	15.924,505	246.068,964	15,452	14,989
9							59	38	87.539	15.303,953	230.144,459	15,038	14,575
10							60	39	86.558	14.691,746	214.840,505	14,623	14,160
11							61	40	85.515	14.091,957	200.148,759	14,203	13,740
12							62	41	84.414	13.505,421	186.056,802	13,776	13,313
13							63	42	83.195	12.922,656	172.551,381	13,353	12,889
14							64	43	81.900	12.351,056	159.628,725	12,924	12,461
15							65	44	80.503	11.786,753	147.277,669	12,495	12,032
16							66	45	78.983	11.227,389	135.490,915	12,068	11,605
17							67	46	77.349	10.674,846	124.263,526	11,641	11,178
18							68	47	75.556	10.123,717	113.588,681	11,220	10,757
19							69	48	73.627	9.577,837	103.464,963	10,803	10,339
20							70	49	71.579	9.040,203	93.887,126	10,386	9,922
21	0	98.983	53.208,430	1.431.214,521	26,898	26,435	71	50	69.370	8.506,074	84.846,923	9,975	9,512
22	1	98.530	51.422,174	1.378.006,091	26,798	26,335	72	51	67.016	7.978,055	76.340,849	9,569	9,106
23	2	98.421	49.868,933	1.326.583,917	26,601	26,138	73	52	64.477	7.452,243	68.362,794	9,173	8,710
24	3	98.328	48.370,988	1.276.714,984	26,394	25,931	74	53	61.789	6.933,550	60.910,551	8,785	8,322
25	4	98.240	46.919,994	1.228.343,996	26,180	25,716	75	54	58.979	6.425,453	53.977,001	8,400	7,937
26	5	98.156	45.514,193	1.181.424,002	25,957	25,494	76	55	56.056	5.929,178	47.551,549	8,020	7,557
27	6	98.072	44.151,162	1.135.909,810	25,728	25,265	77	56	53.058	5.448,604	41.622,370	7,639	7,176
28	7	97.993	42.830,604	1.091.758,648	25,490	25,027	78	57	49.953	4.980,283	36.173,766	7,263	6,800
29	8	97.913	41.548,927	1.048.928,044	25,246	24,782	79	58	46.711	4.521,444	31.193,483	6,899	6,436
30	9	97.835	40.306,522	1.007.379,117	24,993	24,530	80	59	43.390	4.077,692	26.672,039	6,541	6,078
31	10	97.757	39.101,430	967.072,595	24,732	24,269	81	60	39.961	3.646,072	22.594,347	6,197	5,734
32	11	97.671	37.929,386	927.971,165	24,466	24,003	82	61	36.478	3.231,351	18.948,276	5,864	5,401
33	12	97.582	36.791,027	890.041,779	24,192	23,729	83	62	32.868	2.826,764	15.716,925	5,560	5,097
34	13	97.488	35.685,079	853.250,752	23,911	23,447	84	63	29.334	2.449,276	12.890,161	5,263	4,800
35	14	97.386	34.609,265	817.565,673	23,623	23,160	85	64	25.922	2.101,344	10.440,885	4,969	4,505
36	15	97.272	33.562,153	782.956,408	23,329	22,865	86	65	22.742	1.789,879	8.339,541	4,659	4,196
37	16	97.145	32.542,017	749.394,255	23,029	22,565	87	66	19.568	1.495,242	6.549,662	4,380	3,917
38	17	97.007	31.549,338	716.852,238	22,722	22,258	88	67	16.479	1.222,513	5.054,420	4,134	3,671
39	18	96.852	30.581,488	685.302,900	22,409	21,946	89	68	13.612	980,404	3.831,906	3,908	3,445
40	19	96.675	29.636,477	654.721,413	22,092	21,629	90	69	11.037	771,780	2.851,503	3,695	3,231
41	20	96.482	28.715,763	625.084,935	21,768	21,305	91	70	8.782	596,222	2.079,723	3,488	3,025
42	21	96.268	27.817,631	596.369,172	21,439	20,975	92	71	6.816	449,255	1.483,501	3,302	2,839
43	22	96.033	26.941,249	568.551,541	21,103	20,640	93	72	5.164	330,442	1.034,246	3,130	2,667
44	23	95.769	26.084,737	541.610,292	20,763	20,300	94	73	3.815	237,012	703,804	2,969	2,506
45	24	95.487	25.250,455	515.525,555	20,416	19,953	95	74	2.743	165,484	466,792	2,821	2,358
46	25	95.167	24.432,931	490.275,100	20,066	19,603	96	75	1.918	112,333	301,308	2,682	2,219
47	26	94.821	23.634,959	465.842,169	19,710	19,247	97	76	1.301	73,986	188,975	2,554	2,091
48	27	94.439	22.854,158	442.207,210	19,349	18,886	98	77	856	47,230	114,989	2,435	1,971
49	28	94.026	22.091,479	419.353,052	18,983	18,519	99	78	544	29,170	67,759	2,323	1,860
							100	79	334	17,391	38,589	2,219	1,756

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 22 Jahre

Zinsfuß 3,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	28	93.604	21.351,772	397.878,629	18,634	18,171
1							51	29	93.113	20.621,029	376.526,858	18,259	17,796
2							52	30	92.603	19.910,865	355.905,828	17,875	17,412
3							53	31	92.030	19.211,272	335.994,963	17,489	17,026
4							54	32	91.419	18.527,862	316.783,691	17,098	16,634
5							55	33	90.766	17.859,722	298.255,829	16,700	16,237
6							56	34	90.050	17.202,866	280.396,107	16,299	15,836
7							57	35	89.303	16.563,245	263.193,240	15,890	15,427
8							58	36	88.485	15.933,515	246.629,995	15,479	15,015
9							59	37	87.592	15.313,344	230.696,480	15,065	14,602
10							60	38	86.619	14.702,030	215.383,136	14,650	14,187
11							61	39	85.583	14.103,244	200.681,106	14,229	13,766
12							62	40	84.488	13.517,181	186.577,862	13,803	13,340
13							63	41	83.277	12.935,442	173.060,682	13,379	12,916
14							64	42	81.993	12.364,963	160.125,239	12,950	12,487
15							65	43	80.608	11.802,073	147.760,276	12,520	12,057
16							66	44	79.093	11.243,039	135.958,204	12,093	11,629
17							67	45	77.472	10.691,803	124.715,164	11,665	11,201
18							68	46	75.692	10.141,932	114.023,361	11,243	10,780
19							69	47	73.770	9.596,499	103.881,429	10,825	10,362
20							70	48	71.731	9.059,408	94.284,930	10,407	9,944
21							71	49	69.537	8.526,595	85.225,522	9,995	9,532
22	0	98.906	51.618,165	1.378.987,223	26,715	26,252	72	50	67.186	7.998,264	76.698,927	9,589	9,126
23	1	98.456	49.886,800	1.327.369,058	26,608	26,144	73	51	64.657	7.472,997	68.700,663	9,193	8,730
24	2	98.348	48.380,553	1.277.482,259	26,405	25,942	74	52	61.976	6.954,575	61.227,666	8,804	8,341
25	3	98.257	46.928,049	1.229.101,706	26,191	25,728	75	53	59.166	6.445,806	54.273,091	8,420	7,957
26	4	98.168	45.520,072	1.182.173,657	25,970	25,507	76	54	56.252	5.949,873	47.827,285	8,038	7,575
27	5	98.085	44.156,934	1.136.653,585	25,741	25,278	77	55	53.260	5.469,316	41.877,412	7,657	7,194
28	6	98.002	42.834,551	1.092.496,651	25,505	25,042	78	56	50.154	5.000,358	36.408,096	7,281	6,818
29	7	97.921	41.552,545	1.049.662,100	25,261	24,798	79	57	46.920	4.541,714	31.407,738	6,915	6,452
30	8	97.844	40.310,392	1.008.109,555	25,009	24,545	80	58	43.600	4.097,424	26.866,024	6,557	6,094
31	9	97.763	39.103,957	967.799,163	24,749	24,286	81	59	40.166	3.664,702	22.768,601	6,213	5,750
32	10	97.680	37.932,576	928.695,206	24,483	24,020	82	60	36.680	3.249,235	19.103,898	5,880	5,416
33	11	97.591	36.794,478	890.762,630	24,209	23,746	83	61	33.054	2.842,761	15.854,663	5,577	5,114
34	12	97.497	35.688,110	853.968,153	23,929	23,465	84	62	29.519	2.464,787	13.011,902	5,279	4,816
35	13	97.395	34.612,618	818.280,043	23,641	23,178	85	63	26.099	2.115,735	10.547,115	4,985	4,522
36	14	97.284	33.566,064	783.667,424	23,347	22,884	86	64	22.909	1.803,064	8.431,380	4,676	4,213
37	15	97.163	32.547,832	750.101,360	23,046	22,583	87	65	19.729	1.507,555	6.628,316	4,397	3,934
38	16	97.028	31.556,021	717.553,528	22,739	22,276	88	66	16.630	1.233,686	5.120,761	4,151	3,688
39	17	96.874	30.588,218	685.997,507	22,427	21,964	89	67	13.752	990,472	3.887,075	3,924	3,461
40	18	96.703	29.645,003	655.409,290	22,109	21,645	90	68	11.165	780,709	2.896,603	3,710	3,247
41	19	96.509	28.723,726	625.764,287	21,786	21,322	91	69	8.896	603,927	2.115,894	3,504	3,040
42	20	96.299	27.826,420	597.040,561	21,456	20,993	92	70	6.914	455,733	1.511,967	3,318	2,854
43	21	96.056	26.947,843	569.214,141	21,123	20,660	93	71	5.249	335,888	1.056,234	3,145	2,681
44	22	95.795	26.091,801	542.266,298	20,783	20,320	94	72	3.885	241,363	720,346	2,984	2,521
45	23	95.512	25.257,045	516.174,497	20,437	19,974	95	73	2.800	168,926	478,983	2,835	2,372
46	24	95.193	24.439,571	490.917,452	20,087	19,624	96	74	1.963	114,950	310,057	2,697	2,234
47	25	94.844	23.640,776	466.477,882	19,732	19,269	97	75	1.336	75,955	195,108	2,569	2,105
48	26	94.466	22.860,558	442.837,106	19,371	18,908	98	76	881	48,638	119,152	2,450	1,987
49	27	94.054	22.097,919	419.976,548	19,005	18,542	99	77	563	30,151	70,514	2,339	1,876
							100	78	347	18,061	40,364	2,235	1,772

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 23 Jahre

Zinsfuß 3,00%

Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	27	93.631	21.357,996	398.444,340	18,656	18,192
1							51	28	93.140	20.627,152	377.086,344	18,281	17,818
2							52	29	92.630	19.916,695	356.459,192	17,898	17,434
3							53	30	92.060	19.217,564	336.542,497	17,512	17,049
4							54	31	91.451	18.534,483	317.324,933	17,121	16,658
5							55	32	90.798	17.866,075	298.790,450	16,724	16,261
6							56	33	90.086	17.209,743	280.924,375	16,324	15,860
7							57	34	89.345	16.571,014	263.714,633	15,914	15,451
8							58	35	88.531	15.941,677	247.143,619	15,503	15,040
9							59	36	87.642	15.322,008	231.201,942	15,090	14,626
10							60	37	86.672	14.711,051	215.879,934	14,675	14,211
11							61	38	85.643	14.113,116	201.168,883	14,254	13,791
12							62	39	84.555	13.528,006	187.055,767	13,827	13,364
13							63	40	83.350	12.946,706	173.527,760	13,403	12,940
14							64	41	82.074	12.377,197	160.581,055	12,974	12,511
15							65	42	80.699	11.815,361	148.203,857	12,543	12,080
16							66	43	79.196	11.257,652	136.388,496	12,115	11,652
17							67	44	77.580	10.706,707	125.130,844	11,687	11,224
18							68	45	75.813	10.158,043	114.424,137	11,264	10,801
19							69	46	73.903	9.613,765	104.266,094	10,846	10,382
20							70	47	71.871	9.077,060	94.652,329	10,428	9,964
21							71	48	69.685	8.544,709	85.575,269	10,015	9,552
22							72	49	67.348	8.017,560	77.030,560	9,608	9,145
23	0	98.831	50.076,939	1.328.281,591	26,525	26,062	73	50	64.820	7.491,927	69.013,000	9,212	8,748
24	1	98.383	48.397,886	1.278.204,653	26,410	25,947	74	51	62.149	6.973,943	61.521,073	8,822	8,358
25	2	98.276	46.937,329	1.229.806,766	26,201	25,738	75	52	59.345	6.465,352	54.547,130	8,437	7,974
26	3	98.185	45.527,886	1.182.869,437	25,981	25,518	76	53	56.430	5.968,720	48.081,778	8,056	7,592
27	4	98.098	44.162,638	1.137.341,551	25,753	25,290	77	54	53.446	5.488,406	42.113,059	7,673	7,210
28	5	98.015	42.840,151	1.093.178,913	25,518	25,054	78	55	50.345	5.019,366	36.624,653	7,297	6,833
29	6	97.930	41.556,375	1.050.338,762	25,275	24,812	79	56	47.109	4.560,021	31.605,287	6,931	6,468
30	7	97.852	40.313,903	1.008.782,387	25,023	24,560	80	57	43.796	4.115,793	27.045,266	6,571	6,108
31	8	97.772	39.107,711	968.468,485	24,764	24,301	81	58	40.360	3.682,435	22.929,473	6,227	5,763
32	9	97.686	37.935,027	929.360,774	24,499	24,036	82	59	36.868	3.265,838	19.247,038	5,893	5,430
33	10	97.599	36.797,572	891.425,747	24,225	23,762	83	60	33.237	2.858,495	15.981,200	5,591	5,128
34	11	97.506	35.691,457	854.628,175	23,945	23,482	84	61	29.686	2.478,736	13.122,705	5,294	4,831
35	12	97.403	34.615,558	818.936,717	23,658	23,195	85	62	26.264	2.129,133	10.643,969	4,999	4,536
36	13	97.293	33.569,317	784.321,159	23,364	22,901	86	63	23.066	1.815,412	8.514,836	4,690	4,227
37	14	97.174	32.551,625	750.751,842	23,063	22,600	87	64	19.875	1.518,661	6.699,424	4,411	3,948
38	15	97.045	31.561,660	718.200,217	22,755	22,292	88	65	16.766	1.243,845	5.180,763	4,165	3,702
39	16	96.894	30.594,697	686.638,557	22,443	21,980	89	66	13.877	999,524	3.936,917	3,939	3,476
40	17	96.724	29.651,527	656.043,861	22,125	21,662	90	67	11.279	788,726	2.937,393	3,724	3,261
41	18	96.537	28.731,989	626.392,334	21,801	21,338	91	68	8.998	610,914	2.148,667	3,517	3,054
42	19	96.325	27.834,136	597.660,345	21,472	21,009	92	69	7.003	461,622	1.537,752	3,331	2,868
43	20	96.086	26.956,357	569.826,209	21,139	20,676	93	70	5.324	340,731	1.076,130	3,158	2,695
44	21	95.818	26.098,187	542.869,852	20,801	20,338	94	71	3.949	245,341	735,400	2,997	2,534
45	22	95.538	25.263,885	516.771,665	20,455	19,992	95	72	2.852	172,027	490,059	2,849	2,386
46	23	95.218	24.445,949	491.507,781	20,106	19,643	96	73	2.004	117,340	318,032	2,710	2,247
47	24	94.870	23.647,200	467.061,832	19,751	19,288	97	74	1.367	77,725	200,692	2,582	2,119
48	25	94.489	22.866,184	443.414,632	19,392	18,928	98	75	905	49,933	122,967	2,463	1,999
49	26	94.080	22.104,107	420.548,447	19,026	18,563	99	76	579	31,049	73,034	2,352	1,889
							100	77	359	18,668	41,985	2,249	1,786

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 24 Jahre

Zinsfuß 3,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	26	93.658	21.363,977	398.963,218	18,675	18,211
1							51	27	93.167	20.633,165	377.599,241	18,301	17,837
2							52	28	92.658	19.922,609	356.966,075	17,918	17,454
3							53	29	92.087	19.223,191	337.043,467	17,533	17,070
4							54	30	91.481	18.540,553	317.820,276	17,142	16,679
5							55	31	90.830	17.872,459	299.279,723	16,745	16,282
6							56	32	90.118	17.215,864	281.407,263	16,346	15,883
7							57	33	89.381	16.577,638	264.191,399	15,937	15,473
8							58	34	88.572	15.949,154	247.613,761	15,525	15,062
9							59	35	87.687	15.329,856	231.664,607	15,112	14,649
10							60	36	86.721	14.719,374	216.334,751	14,697	14,234
11							61	37	85.696	14.121,776	201.615,377	14,277	13,814
12							62	38	84.615	13.537,476	187.493,601	13,850	13,387
13							63	39	83.417	12.957,075	173.956,125	13,426	12,962
14							64	40	82.145	12.387,975	160.999,050	12,996	12,533
15							65	41	80.779	11.827,052	148.611,075	12,565	12,102
16							66	42	79.285	11.270,327	136.784,023	12,137	11,673
17							67	43	77.681	10.720,623	125.513,696	11,708	11,244
18							68	44	75.918	10.172,202	114.793,073	11,285	10,822
19							69	45	74.020	9.629,037	104.620,871	10,865	10,402
20							70	46	72.000	9.093,391	94.991,834	10,446	9,983
21							71	47	69.821	8.561,358	85.898,442	10,033	9,570
22							72	48	67.491	8.034,593	77.337,084	9,626	9,162
23							73	49	64.977	7.510,001	69.302,491	9,228	8,765
24	0	98.758	48.582,350	1.279.053,862	26,328	25,864	74	50	62.306	6.991,608	61.792,490	8,838	8,375
25	1	98.312	46.954,145	1.230.471,512	26,206	25,743	75	51	59.510	6.483,358	54.800,882	8,453	7,989
26	2	98.204	45.536,890	1.183.517,366	25,990	25,527	76	52	56.601	5.986,819	48.317,524	8,071	7,607
27	3	98.115	44.170,220	1.137.980,477	25,764	25,300	77	53	53.615	5.505,791	42.330,705	7,688	7,225
28	4	98.028	42.845,685	1.093.810,257	25,529	25,066	78	54	50.520	5.036,885	36.824,914	7,311	6,848
29	5	97.943	41.561,808	1.050.964,572	25,287	24,824	79	55	47.288	4.577,355	31.788,029	6,945	6,481
30	6	97.861	40.317,618	1.009.402,765	25,036	24,573	80	56	43.972	4.132,383	27.210,674	6,585	6,122
31	7	97.781	39.111,117	969.085,147	24,778	24,315	81	57	40.541	3.698,944	23.078,291	6,239	5,776
32	8	97.695	37.938,669	929.974,030	24,513	24,049	82	58	37.046	3.281,641	19.379,347	5,905	5,442
33	9	97.606	36.799,950	892.035,361	24,240	23,777	83	59	33.407	2.873,101	16.097,706	5,603	5,140
34	10	97.514	35.694,459	855.235,411	23,960	23,497	84	60	29.851	2.492,455	13.224,605	5,306	4,843
35	11	97.413	34.618,805	819.540,952	23,673	23,210	85	61	26.413	2.141,183	10.732,150	5,012	4,549
36	12	97.301	33.572,168	784.922,147	23,380	22,917	86	62	23.212	1.826,909	8.590,967	4,702	4,239
37	13	97.183	32.554,779	751.349,979	23,080	22,616	87	63	20.011	1.529,061	6.764,059	4,424	3,960
38	14	97.057	31.565,338	718.795,200	22,772	22,308	88	64	16.890	1.253,008	5.234,997	4,178	3,715
39	15	96.912	30.600,164	687.229,862	22,458	21,995	89	65	13.992	1.007,755	3.981,989	3,951	3,488
40	16	96.745	29.657,808	656.629,698	22,140	21,677	90	66	11.382	795,935	2.974,234	3,737	3,274
41	17	96.558	28.738,312	626.971,890	21,817	21,353	91	67	9.091	617,188	2.178,299	3,529	3,066
42	18	96.353	27.842,143	598.233,578	21,487	21,023	92	68	7.084	466,963	1.561,111	3,343	2,880
43	19	96.113	26.963,831	570.391,435	21,154	20,691	93	69	5.393	345,134	1.094,148	3,170	2,707
44	20	95.849	26.106,433	543.427,604	20,816	20,353	94	70	4.006	248,878	749,014	3,010	2,546
45	21	95.561	25.270,067	517.321,171	20,472	20,008	95	71	2.899	174,862	500,136	2,860	2,397
46	22	95.244	24.452,569	492.051,104	20,123	19,659	96	72	2.040	119,494	325,274	2,722	2,259
47	23	94.895	23.653,372	467.598,535	19,769	19,306	97	73	1.395	79,341	205,779	2,594	2,130
48	24	94.515	22.872,398	443.945,163	19,410	18,946	98	74	926	51,096	126,439	2,475	2,011
49	25	94.103	22.109,547	421.072,765	19,045	18,582	99	75	595	31,876	75,343	2,364	1,900
							100	76	369	19,225	43,467	2,261	1,798

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 25 Jahre

Zinsfuß 3,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	25	93.681	21.369,235	399.438,861	18,692	18,229
1							51	26	93.194	20.638,943	378.069,626	18,318	17,855
2							52	27	92.685	19.928,416	357.430,683	17,936	17,473
3							53	28	92.114	19.228,898	337.502,267	17,552	17,089
4							54	29	91.508	18.545,982	318.273,368	17,161	16,698
5							55	30	90.860	17.878,313	299.727,386	16,765	16,302
6							56	31	90.151	17.222,016	281.849,073	16,366	15,902
7							57	32	89.413	16.583,535	264.627,057	15,957	15,494
8							58	33	88.607	15.955,529	248.043,522	15,546	15,083
9							59	34	87.728	15.337,046	232.087,993	15,133	14,669
10							60	35	86.765	14.726,914	216.750,947	14,718	14,255
11							61	36	85.744	14.129,766	202.024,033	14,298	13,835
12							62	37	84.667	13.545,783	187.894,267	13,871	13,408
13							63	38	83.475	12.966,145	174.348,484	13,446	12,983
14							64	39	82.211	12.397,896	161.382,340	13,017	12,554
15							65	40	80.849	11.837,350	148.984,443	12,586	12,123
16							66	41	79.364	11.281,479	137.147,093	12,157	11,694
17							67	42	77.768	10.732,693	125.865,614	11,727	11,264
18							68	43	76.017	10.185,423	115.132,921	11,304	10,840
19							69	44	74.124	9.642,459	104.947,497	10,884	10,421
20							70	45	72.114	9.107,836	95.305,038	10,464	10,001
21							71	46	69.947	8.576,762	86.197,201	10,050	9,587
22							72	47	67.622	8.050,248	77.620,440	9,642	9,179
23							73	48	65.115	7.525,956	69.570,192	9,244	8,781
24							74	49	62.457	7.008,476	62.044,236	8,853	8,390
25	0	98.686	47.133,107	1.231.262,221	26,123	25,660	75	50	59.661	6.499,780	55.035,760	8,467	8,004
26	1	98.240	45.553,204	1.184.129,114	25,994	25,531	76	51	56.759	6.003,492	48.535,980	8,085	7,621
27	2	98.134	44.178,954	1.138.575,910	25,772	25,309	77	52	53.778	5.522,486	42.532,488	7,702	7,238
28	3	98.045	42.853,040	1.094.396,956	25,538	25,075	78	53	50.680	5.052,840	37.010,002	7,325	6,861
29	4	97.956	41.567,176	1.051.543,915	25,297	24,834	79	54	47.454	4.593,332	31.957,162	6,957	6,494
30	5	97.874	40.322,889	1.009.976,739	25,047	24,584	80	55	44.139	4.148,091	27.363,830	6,597	6,134
31	6	97.790	39.114,722	969.653,850	24,790	24,327	81	56	40.704	3.713,854	23.215,739	6,251	5,788
32	7	97.704	37.941,973	930.539,129	24,525	24,062	82	57	37.212	3.296,353	19.501,885	5,916	5,453
33	8	97.615	36.803,483	892.597,156	24,253	23,790	83	58	33.569	2.887,004	16.205,532	5,613	5,150
34	9	97.520	35.696,766	855.793,673	23,974	23,511	84	59	30.003	2.505,190	13.318,528	5,316	4,853
35	10	97.421	34.621,716	820.096,908	23,687	23,224	85	60	26.559	2.153,033	10.813,337	5,022	4,559
36	11	97.311	33.575,317	785.475,191	23,394	22,931	86	61	23.344	1.837,248	8.660,304	4,714	4,251
37	12	97.192	32.557,544	751.899,874	23,094	22,631	87	62	20.137	1.538,744	6.823,056	4,434	3,971
38	13	97.066	31.568,397	719.342,330	22,787	22,324	88	63	17.006	1.261,589	5.284,312	4,189	3,725
39	14	96.923	30.603,730	687.773,934	22,474	22,010	89	64	14.095	1.015,179	4.022,722	3,963	3,499
40	15	96.762	29.663,108	657.170,204	22,154	21,691	90	65	11.476	802,489	3.007,544	3,748	3,285
41	16	96.578	28.744,399	627.507,096	21,831	21,367	91	66	9.174	622,829	2.205,054	3,540	3,077
42	17	96.374	27.848,270	598.762,697	21,501	21,038	92	67	7.157	471,758	1.582,226	3,354	2,891
43	18	96.141	26.971,588	570.914,427	21,167	20,704	93	68	5.456	349,127	1.110,467	3,181	2,717
44	19	95.875	26.113,672	543.942,838	20,830	20,367	94	69	4.058	252,095	761,340	3,020	2,557
45	20	95.591	25.278,052	517.829,167	20,485	20,022	95	70	2.941	177,383	509,245	2,871	2,408
46	21	95.267	24.458,553	492.551,115	20,138	19,675	96	71	2.074	121,464	331,862	2,732	2,269
47	22	94.921	23.659,777	468.092,562	19,784	19,321	97	72	1.421	80,798	210,399	2,604	2,141
48	23	94.539	22.878,368	444.432,785	19,426	18,963	98	73	945	52,158	129,601	2,485	2,022
49	24	94.129	22.115,556	421.554,417	19,061	18,598	99	74	609	32,618	77,443	2,374	1,911
							100	75	379	19,736	44,824	2,271	1,808

Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004

Altersdifferenz zwischen Mann und Frau (x - y) = 0 Jahre

Zinsfuß 3,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	0	100.000	100.000,000	2.795.425,629	27,954	27,491	50	50	91.638	18.517,066	309.161,773	16,696	16,232
1	1	99.166	96.044,366	2.695.425,629	28,064	27,601	51	51	90.953	17.800,246	290.644,707	16,328	15,865
2	2	99.090	92.950,297	2.599.381,262	27,965	27,502	52	52	90.231	17.103,000	272.844,461	15,953	15,489
3	3	99.051	89.988,581	2.506.430,965	27,853	27,389	53	53	89.431	16.417,715	255.741,461	15,577	15,114
4	4	99.016	87.125,154	2.416.442,384	27,735	27,272	54	54	88.588	15.751,095	239.323,747	15,194	14,730
5	5	98.990	84.360,502	2.329.317,230	27,611	27,148	55	55	87.680	15.099,012	223.572,652	14,807	14,343
6	6	98.963	81.683,219	2.244.956,728	27,484	27,020	56	56	86.694	14.459,313	208.473,639	14,418	13,954
7	7	98.942	79.095,567	2.163.273,509	27,350	26,886	57	57	85.670	13.838,723	194.014,327	14,020	13,556
8	8	98.922	76.589,746	2.084.177,941	27,212	26,749	58	58	84.550	13.227,845	180.175,604	13,621	13,157
9	9	98.900	74.162,991	2.007.588,195	27,070	26,606	59	59	83.341	12.628,271	166.947,759	13,220	12,757
10	10	98.885	71.817,200	1.933.425,204	26,921	26,458	60	60	82.046	12.040,686	154.319,488	12,817	12,353
11	11	98.867	69.544,226	1.861.608,003	26,769	26,305	61	61	80.675	11.466,924	142.278,801	12,408	11,944
12	12	98.844	67.339,136	1.792.063,778	26,613	26,149	62	62	79.258	10.910,837	130.811,877	11,989	11,526
13	13	98.822	65.205,447	1.724.724,642	26,451	25,987	63	63	77.698	10.359,452	119.901,040	11,574	11,110
14	14	98.800	63.138,669	1.659.519,195	26,284	25,820	64	64	76.054	9.821,117	109.541,588	11,154	10,690
15	15	98.770	61.132,847	1.596.380,526	26,113	25,650	65	65	74.307	9.293,401	99.720,471	10,730	10,267
16	16	98.729	59.184,025	1.535.247,680	25,940	25,477	66	66	72.409	8.771,013	90.427,070	10,310	9,846
17	17	98.670	57.287,001	1.476.063,654	25,766	25,302	67	67	70.380	8.256,918	81.656,057	9,889	9,426
18	18	98.599	55.443,454	1.418.776,653	25,590	25,126	68	68	68.173	7.746,170	73.399,139	9,476	9,012
19	19	98.496	53.642,099	1.363.333,199	25,415	24,952	69	69	65.800	7.241,209	65.652,970	9,067	8,603
20	20	98.389	51.897,373	1.309.691,100	25,236	24,773	70	70	63.288	6.745,500	58.411,760	8,659	8,196
21	21	98.283	50.209,721	1.257.793,728	25,051	24,587	71	71	60.609	6.256,647	51.666,260	8,258	7,794
22	22	98.182	48.579,252	1.207.584,006	24,858	24,394	72	72	57.749	5.773,734	45.409,613	7,865	7,401
23	23	98.081	47.001,920	1.159.004,755	24,659	24,195	73	73	54.711	5.297,859	39.635,878	7,481	7,018
24	24	97.983	45.476,831	1.112.002,835	24,452	23,988	74	74	51.518	4.831,613	34.338,020	7,107	6,643
25	25	97.886	44.001,440	1.066.526,004	24,238	23,775	75	75	48.208	4.378,863	29.506,407	6,738	6,275
26	26	97.790	42.574,756	1.022.524,564	24,017	23,554	76	76	44.787	3.940,068	25.127,544	6,377	5,914
27	27	97.693	41.193,605	979.949,808	23,789	23,325	77	77	41.321	3.520,722	21.187,475	6,018	5,554
28	28	97.594	39.856,803	938.756,203	23,553	23,090	78	78	37.788	3.118,395	17.666,753	5,665	5,202
29	29	97.494	38.562,407	898.899,399	23,310	22,847	79	79	34.179	2.731,759	14.548,358	5,326	4,862
30	30	97.396	37.311,385	860.336,992	23,058	22,595	80	80	30.561	2.365,695	11.816,599	4,995	4,531
31	31	97.293	36.098,711	823.025,608	22,799	22,336	81	81	26.911	2.017,628	9.450,905	4,684	4,221
32	32	97.182	34.922,344	786.926,897	22,534	22,070	82	82	23.325	1.693,690	7.433,277	4,389	3,925
33	33	97.068	33.783,367	752.004,553	22,260	21,796	83	83	19.770	1.390,349	5.739,586	4,128	3,665
34	34	96.944	32.678,203	718.221,186	21,979	21,515	84	84	16.483	1.122,713	4.349,238	3,874	3,410
35	35	96.806	31.604,539	685.542,983	21,691	21,228	85	85	13.487	889,726	3.226,525	3,626	3,163
36	36	96.655	30.562,036	653.938,444	21,397	20,933	86	86	10.885	695,459	2.336,798	3,360	2,896
37	37	96.491	29.549,902	623.376,408	21,096	20,632	87	87	8.491	525,434	1.641,339	3,124	2,660
38	38	96.316	28.567,654	593.826,506	20,787	20,323	88	88	6.365	381,493	1.115,905	2,925	2,461
39	39	96.116	27.610,977	565.258,851	20,472	20,009	89	89	4.613	267,781	734,412	2,743	2,279
40	40	95.891	26.679,282	537.647,875	20,152	19,689	90	90	3.223	181,191	466,631	2,575	2,112
41	41	95.642	25.772,557	510.968,593	19,826	19,362	91	91	2.173	118,320	285,441	2,412	1,949
42	42	95.366	24.889,268	485.196,036	19,494	19,031	92	92	1.390	73,314	167,120	2,280	1,816
43	43	95.049	24.025,611	460.306,768	19,159	18,695	93	93	851	43,450	93,806	2,159	1,695
44	44	94.691	23.181,624	436.281,157	18,820	18,357	94	94	497	24,568	50,357	2,050	1,586
45	45	94.305	22.360,531	413.099,533	18,474	18,011	95	95	276	13,221	25,788	1,951	1,487
46	46	93.866	21.555,808	390.739,002	18,127	17,663	96	96	146	6,754	12,567	1,861	1,397
47	47	93.379	20.769,065	369.183,194	17,776	17,312	97	97	73	3,267	5,813	1,779	1,316
48	48	92.848	20.000,954	348.414,130	17,420	16,956	98	98	34	1,493	2,546	1,705	1,242
49	49	92.273	19.251,402	328.413,176	17,059	16,596	99	99	15	0,643	1,053	1,638	1,175
							100	100	6	0,260	0,410	1,577	1,114

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -1 Jahr

Zinsfuß 3,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	1	99.620	99.620,306	2.790.872,931	28,015	27,551	50	51	91.406	18.470,280	305.832,421	16,558	16,094
1	2	99.130	96.009,969	2.691.252,625	28,031	27,567	51	52	90.701	17.750,810	287.362,141	16,189	15,725
2	3	99.071	92.931,920	2.595.242,656	27,926	27,463	52	53	89.958	17.051,294	269.611,330	15,812	15,348
3	4	99.034	89.973,135	2.502.310,736	27,812	27,348	53	54	89.148	16.365,875	252.560,037	15,432	14,968
4	5	99.003	87.113,901	2.412.337,602	27,692	27,228	54	55	88.280	15.696,309	236.194,162	15,048	14,584
5	6	98.977	84.349,475	2.325.223,701	27,567	27,103	55	56	87.348	15.041,834	220.497,853	14,659	14,195
6	7	98.954	81.675,693	2.240.874,226	27,436	26,973	56	57	86.346	14.401,263	205.456,018	14,267	13,803
7	8	98.934	79.088,679	2.159.198,534	27,301	26,837	57	58	85.288	13.776,959	191.054,756	13,868	13,404
8	9	98.912	76.582,394	2.080.109,855	27,162	26,698	58	59	84.143	13.164,145	177.277,796	13,467	13,003
9	10	98.894	74.158,199	2.003.527,460	27,017	26,553	59	60	82.917	12.564,072	164.113,652	13,062	12,599
10	11	98.876	71.811,161	1.929.369,261	26,867	26,404	60	61	81.594	11.974,411	151.549,580	12,656	12,192
11	12	98.858	69.537,704	1.857.558,100	26,713	26,249	61	62	80.221	11.402,396	139.575,168	12,241	11,777
12	13	98.835	67.333,417	1.788.020,396	26,555	26,091	62	63	78.759	10.842,176	128.172,773	11,822	11,358
13	14	98.813	65.199,129	1.720.686,979	26,391	25,928	63	64	77.170	10.288,989	117.330,596	11,404	10,940
14	15	98.788	63.131,311	1.655.487,850	26,223	25,759	64	65	75.498	9.749,297	107.041,607	10,979	10,516
15	16	98.752	61.121,924	1.592.356,539	26,052	25,589	65	66	73.700	9.217,498	97.292,310	10,555	10,092
16	17	98.708	59.171,492	1.531.234,615	25,878	25,414	66	67	71.753	8.691,578	88.074,812	10,133	9,670
17	18	98.649	57.274,396	1.472.063,123	25,702	25,238	67	68	69.665	8.172,986	79.383,235	9,713	9,249
18	19	98.570	55.427,509	1.414.788,727	25,525	25,061	68	69	67.393	7.657,572	71.210,248	9,299	8,836
19	20	98.468	53.627,229	1.359.361,218	25,348	24,885	69	70	64.960	7.148,825	63.552,676	8,890	8,426
20	21	98.358	51.880,981	1.305.733,989	25,168	24,704	70	71	62.388	6.649,623	56.403,851	8,482	8,019
21	22	98.259	50.197,437	1.253.853,008	24,978	24,515	71	72	59.626	6.155,213	49.754,228	8,083	7,620
22	23	98.155	48.566,099	1.203.655,571	24,784	24,320	72	73	56.707	5.669,639	43.599,016	7,690	7,226
23	24	98.056	46.989,657	1.155.089,472	24,582	24,118	73	74	53.596	5.189,929	37.929,377	7,308	6,845
24	25	97.957	45.464,475	1.108.099,816	24,373	23,909	74	75	50.345	4.721,637	32.739,448	6,934	6,470
25	26	97.861	43.990,613	1.062.635,340	24,156	23,692	75	76	46.958	4.265,330	28.017,811	6,569	6,105
26	27	97.762	42.562,837	1.018.644,727	23,933	23,469	76	77	43.490	3.826,010	23.752,481	6,208	5,745
27	28	97.664	41.181,600	976.081,890	23,702	23,238	77	78	39.976	3.406,184	19.926,471	5,850	5,386
28	29	97.565	39.844,973	934.900,290	23,463	23,000	78	79	36.388	3.002,821	16.520,287	5,502	5,038
29	30	97.465	38.551,119	895.055,317	23,217	22,754	79	80	32.741	2.616,844	13.517,466	5,166	4,702
30	31	97.365	37.299,168	856.504,198	22,963	22,499	80	81	29.072	2.250,452	10.900,622	4,844	4,380
31	32	97.259	36.085,816	819.205,029	22,702	22,238	81	82	25.411	1.905,158	8.650,170	4,540	4,077
32	33	97.147	34.909,926	783.119,213	22,433	21,969	82	83	21.818	1.584,237	6.745,013	4,258	3,794
33	34	97.029	33.769,868	748.209,287	22,156	21,692	83	84	18.353	1.290,719	5.160,775	3,998	3,535
34	35	96.898	32.662,883	714.439,419	21,873	21,410	84	85	15.158	1.032,490	3.870,056	3,748	3,285
35	36	96.756	31.588,359	681.776,536	21,583	21,120	85	86	12.316	812,476	2.837,567	3,492	3,029
36	37	96.600	30.544,754	650.188,177	21,286	20,823	86	87	9.787	625,347	2.025,090	3,238	2,775
37	38	96.432	29.531,782	619.643,423	20,982	20,519	87	88	7.490	463,497	1.399,743	3,020	2,556
38	39	96.248	28.547,671	590.111,641	20,671	20,207	88	89	5.528	331,317	936,246	2,826	2,362
39	40	96.039	27.588,881	561.563,970	20,355	19,891	89	90	3.929	228,089	604,930	2,652	2,189
40	41	95.807	26.656,071	533.975,089	20,032	19,568	90	91	2.696	151,573	376,841	2,486	2,023
41	42	95.548	25.747,081	507.319,018	19,704	19,240	91	92	1.766	96,147	225,268	2,343	1,879
42	43	95.259	24.861,276	481.571,937	19,370	18,907	92	93	1.105	58,256	129,121	2,216	1,753
43	44	94.926	23.994,425	456.710,661	19,034	18,570	93	94	660	33,717	70,865	2,102	1,638
44	45	94.559	23.149,355	432.716,236	18,692	18,229	94	95	376	18,595	37,147	1,998	1,534
45	46	94.155	22.325,067	409.566,882	18,346	17,882	95	96	203	9,747	18,553	1,903	1,440
46	47	93.697	21.517,094	387.241,814	17,997	17,533	96	97	104	4,844	8,806	1,818	1,354
47	48	93.198	20.728,676	365.724,720	17,643	17,180	97	98	51	2,276	3,962	1,740	1,277
48	49	92.651	19.958,553	344.996,044	17,286	16,822	98	99	23	1,009	1,686	1,670	1,206
49	50	92.051	19.205,070	325.037,491	16,925	16,461	99	100	10	0,421	0,676	1,606	1,143
							100	101	4	0,165	0,255	1,548	1,085

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -2 Jahre

Zinsfuß 3,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	2	99.585	99.584,628	2.786.376,118	27,980	27,516	50	52	91.153	18.418,984	302.256,695	16,410	15,946
1	3	99.111	95.990,987	2.686.791,490	27,990	27,526	51	53	90.427	17.697,146	283.837,711	16,039	15,575
2	4	99.054	92.915,968	2.590.800,503	27,883	27,420	52	54	89.674	16.997,454	266.140,565	15,658	15,194
3	5	99.021	89.961,514	2.497.884,535	27,766	27,303	53	55	88.838	16.308,951	249.143,111	15,276	14,813
4	6	98.990	87.102,513	2.407.923,021	27,645	27,181	54	56	87.945	15.636,869	232.834,161	14,890	14,426
5	7	98.968	84.341,702	2.320.820,507	27,517	27,053	55	57	86.998	14.981,446	217.197,291	14,498	14,034
6	8	98.945	81.668,579	2.236.478,805	27,385	26,921	56	58	85.961	14.336,988	202.215,846	14,104	13,641
7	9	98.924	79.081,087	2.154.810,226	27,248	26,784	57	59	84.877	13.710,615	187.878,857	13,703	13,240
8	10	98.906	76.577,446	2.075.729,139	27,106	26,643	58	60	83.715	13.097,221	174.168,243	13,298	12,834
9	11	98.886	74.151,963	1.999.151,693	26,960	26,497	59	61	82.461	12.494,916	161.071,022	12,891	12,427
10	12	98.867	71.804,427	1.924.999,730	26,809	26,345	60	62	81.135	11.907,027	148.576,106	12,478	12,014
11	13	98.849	69.531,798	1.853.195,303	26,652	26,189	61	63	79.716	11.330,642	136.669,079	12,062	11,598
12	14	98.826	67.326,893	1.783.663,505	26,493	26,029	62	64	78.223	10.768,430	125.338,437	11,639	11,176
13	15	98.801	65.191,532	1.716.336,612	26,328	25,864	63	65	76.605	10.213,747	114.570,007	11,217	10,754
14	16	98.771	63.120,032	1.651.145,080	26,159	25,695	64	66	74.882	9.669,671	104.356,260	10,792	10,328
15	17	98.732	61.108,980	1.588.025,049	25,987	25,523	65	67	73.032	9.134,019	94.686,589	10,366	9,903
16	18	98.687	59.158,473	1.526.916,068	25,811	25,347	66	68	71.024	8.603,228	85.552,570	9,944	9,481
17	19	98.620	57.257,925	1.467.757,596	25,634	25,171	67	69	68.868	8.079,507	76.949,342	9,524	9,060
18	20	98.543	55.412,144	1.410.499,671	25,455	24,991	68	70	66.533	7.559,876	68.869,835	9,110	8,646
19	21	98.437	53.610,290	1.355.087,527	25,277	24,813	69	71	64.037	7.047,215	61.309,959	8,700	8,236
20	22	98.334	51.868,287	1.301.477,236	25,092	24,628	70	72	61.377	6.541,818	54.262,745	8,295	7,831
21	23	98.233	50.183,846	1.249.608,949	24,901	24,437	71	73	58.551	6.044,240	47.720,927	7,895	7,432
22	24	98.130	48.553,428	1.199.425,103	24,703	24,240	72	74	55.552	5.554,135	41.676,688	7,504	7,040
23	25	98.029	46.976,891	1.150.871,675	24,499	24,035	73	75	52.376	5.071,797	36.122,552	7,122	6,659
24	26	97.932	45.453,288	1.103.894,785	24,286	23,823	74	76	49.040	4.599,217	31.050,755	6,751	6,288
25	27	97.834	43.978,298	1.058.441,496	24,067	23,604	75	77	45.598	4.141,856	26.451,539	6,386	5,923
26	28	97.734	42.550,433	1.014.463,199	23,841	23,378	76	78	42.075	3.701,540	22.309,683	6,027	5,564
27	29	97.635	41.169,376	971.912,766	23,608	23,144	77	79	38.495	3.279,944	18.608,143	5,673	5,210
28	30	97.537	39.833,310	930.743,390	23,366	22,902	78	80	34.857	2.876,504	15.328,199	5,329	4,865
29	31	97.433	38.538,497	890.910,080	23,117	22,654	79	81	31.146	2.489,366	12.451,695	5,002	4,538
30	32	97.330	37.285,845	852.371,583	22,860	22,397	80	82	27.451	2.125,003	9.962,329	4,688	4,225
31	33	97.224	36.072,985	815.085,738	22,595	22,132	81	83	23.769	1.782,039	7.837,326	4,398	3,934
32	34	97.109	34.895,977	779.012,753	22,324	21,860	82	84	20.254	1.470,714	6.055,288	4,117	3,654
33	35	96.983	33.754,036	744.116,776	22,045	21,582	83	85	16.878	1.186,995	4.584,574	3,862	3,399
34	36	96.849	32.646,161	710.362,740	21,759	21,296	84	86	13.842	942,844	3.397,579	3,604	3,140
35	37	96.702	31.570,497	677.716,579	21,467	21,003	85	87	11.074	730,567	2.454,735	3,360	2,896
36	38	96.541	30.526,024	646.146,082	21,167	20,703	86	88	8.634	551,633	1.724,168	3,126	2,662
37	39	96.365	29.511,124	615.620,058	20,861	20,397	87	89	6.505	402,534	1.172,535	2,913	2,449
38	40	96.171	28.524,825	586.108,934	20,547	20,084	88	90	4.709	282,207	770,000	2,728	2,265
39	41	95.955	27.564,879	557.584,109	20,228	19,764	89	91	3.287	190,805	487,793	2,557	2,093
40	42	95.713	26.629,722	530.019,230	19,903	19,440	90	92	2.191	123,168	296,988	2,411	1,948
41	43	95.440	25.718,124	503.389,508	19,573	19,110	91	93	1.403	76,399	173,820	2,275	1,812
42	44	95.135	24.829,005	477.671,384	19,238	18,775	92	94	857	45,207	97,421	2,155	1,691
43	45	94.793	23.961,025	452.842,379	18,899	18,435	93	95	500	25,519	52,213	2,046	1,582
44	46	94.409	23.112,639	428.881,354	18,556	18,093	94	96	277	13,709	26,694	1,947	1,484
45	47	93.986	22.284,972	405.768,714	18,208	17,745	95	97	146	6,990	12,985	1,858	1,394
46	48	93.515	21.475,251	383.483,743	17,857	17,393	96	98	73	3,375	5,995	1,776	1,313
47	49	93.000	20.684,733	362.008,492	17,501	17,038	97	99	34	1,539	2,621	1,703	1,239
48	50	92.428	19.910,519	341.323,759	17,143	16,679	98	100	15	0,661	1,082	1,636	1,172
49	51	91.818	19.156,546	321.413,240	16,778	16,315	99	101	6	0,267	0,420	1,575	1,112
							100	102	2	0,101	0,154	1,520	1,057

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -3 Jahre

Zinsfuß 3,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	3	99.565	99.564,939	2.781.575,556	27,937	27,474	50	53	90.877	18.363,300	298.425,063	16,251	15,788
1	4	99.094	95.974,510	2.682.010,617	27,945	27,481	51	54	90.141	17.641,267	280.061,763	15,875	15,412
2	5	99.041	92.903,968	2.586.036,107	27,836	27,372	52	55	89.362	16.938,332	262.420,496	15,493	15,029
3	6	99.008	89.949,754	2.493.132,139	27,717	27,253	53	56	88.502	16.247,191	245.482,164	15,109	14,646
4	7	98.981	87.094,487	2.403.182,385	27,593	27,129	54	57	87.592	15.574,092	229.234,973	14,719	14,255
5	8	98.959	84.334,357	2.316.087,898	27,463	27,000	55	58	86.609	14.914,582	213.660,882	14,326	13,862
6	9	98.936	81.660,740	2.231.753,541	27,330	26,866	56	59	85.547	14.267,947	198.746,299	13,930	13,466
7	10	98.918	79.075,977	2.150.092,801	27,190	26,727	57	60	84.446	13.640,913	184.478,353	13,524	13,060
8	11	98.897	76.571,006	2.071.016,824	27,047	26,583	58	61	83.254	13.025,131	170.837,440	13,116	12,652
9	12	98.876	74.145,009	1.994.445,818	26,899	26,436	59	62	81.997	12.424,603	157.812,309	12,702	12,238
10	13	98.859	71.798,328	1.920.300,809	26,746	26,282	60	63	80.624	11.832,097	145.387,706	12,288	11,824
11	14	98.840	69.525,061	1.848.502,480	26,588	26,124	61	64	79.174	11.253,573	133.555,609	11,868	11,404
12	15	98.814	67.319,048	1.778.977,419	26,426	25,962	62	65	77.651	10.689,682	122.302,036	11,441	10,978
13	16	98.783	65.179,884	1.711.658,371	26,261	25,797	63	66	75.980	10.130,328	111.612,354	11,018	10,554
14	17	98.750	63.106,664	1.646.478,487	26,090	25,627	64	67	74.204	9.582,097	101.482,026	10,591	10,127
15	18	98.710	61.095,535	1.583.371,823	25,916	25,453	65	68	72.290	9.041,172	91.899,930	10,165	9,701
16	19	98.658	59.141,459	1.522.276,288	25,740	25,276	66	69	70.212	8.504,828	82.858,758	9,743	9,279
17	20	98.593	57.242,053	1.463.134,828	25,560	25,097	67	70	67.990	7.976,427	74.353,930	9,322	8,858
18	21	98.512	55.394,642	1.405.892,776	25,380	24,916	68	71	65.588	7.452,423	66.377,503	8,907	8,443
19	22	98.413	53.597,174	1.350.498,134	25,197	24,734	69	72	62.999	6.932,963	58.925,080	8,499	8,036
20	23	98.307	51.854,244	1.296.900,960	25,011	24,547	70	73	60.270	6.423,874	51.992,116	8,094	7,630
21	24	98.207	50.170,753	1.245.046,717	24,816	24,353	71	74	57.358	5.921,104	45.568,242	7,696	7,232
22	25	98.103	48.540,237	1.194.875,964	24,616	24,153	72	75	54.288	5.427,714	39.647,138	7,305	6,841
23	26	98.005	46.965,331	1.146.335,727	24,408	23,945	73	76	51.018	4.940,298	34.219,424	6,927	6,463
24	27	97.905	45.440,563	1.099.370,395	24,194	23,730	74	77	47.620	4.466,077	29.279,126	6,556	6,092
25	28	97.806	43.965,481	1.053.929,832	23,972	23,508	75	78	44.115	4.007,111	24.813,049	6,192	5,729
26	29	97.705	42.537,803	1.009.964,351	23,743	23,279	76	79	40.516	3.564,353	20.805,939	5,837	5,374
27	30	97.607	41.157,326	967.426,548	23,506	23,042	77	80	36.875	3.141,969	17.241,585	5,488	5,024
28	31	97.505	39.820,268	926.269,223	23,261	22,798	78	81	33.159	2.736,377	14.099,616	5,153	4,689
29	32	97.398	38.524,731	886.448,955	23,010	22,546	79	82	29.410	2.350,599	11.363,239	4,834	4,371
30	33	97.295	37.272,587	847.924,224	22,749	22,286	80	83	25.677	1.987,676	9.012,640	4,534	4,071
31	34	97.185	36.058,571	810.651,637	22,482	22,018	81	84	22.066	1.654,341	7.024,964	4,246	3,783
32	35	97.063	34.879,617	774.593,066	22,208	21,744	82	85	18.626	1.352,525	5.370,623	3,971	3,507
33	36	96.934	33.736,755	739.713,449	21,926	21,462	83	86	15.413	1.083,935	4.018,098	3,707	3,243
34	37	96.794	32.627,701	705.976,694	21,637	21,174	84	87	12.447	847,792	2.934,163	3,461	2,997
35	38	96.642	31.551,138	673.348,993	21,342	20,878	85	88	9.769	644,449	2.086,371	3,237	2,774
36	39	96.474	30.504,670	641.797,856	21,039	20,576	86	89	7.498	479,078	1.441,922	3,010	2,546
37	40	96.288	29.487,507	611.293,185	20,731	20,267	87	90	5.541	342,869	962,844	2,808	2,345
38	41	96.088	28.500,009	581.805,678	20,414	19,951	88	91	3.939	236,077	619,975	2,626	2,163
39	42	95.860	27.537,631	553.305,669	20,093	19,629	89	92	2.671	155,048	383,897	2,476	2,012
40	43	95.605	26.599,773	525.768,037	19,766	19,302	90	93	1.741	97,871	228,849	2,338	1,875
41	44	95.316	25.684,741	499.168,265	19,434	18,971	91	94	1.089	59,287	130,979	2,209	1,746
42	45	95.003	24.794,443	473.483,524	19,096	18,633	92	95	649	34,215	71,692	2,095	1,632
43	46	94.643	23.923,022	448.689,080	18,756	18,292	93	96	368	18,813	37,477	1,992	1,528
44	47	94.239	23.071,130	424.766,058	18,411	17,948	94	97	199	9,831	18,663	1,898	1,435
45	48	93.804	22.241,635	401.694,928	18,060	17,597	95	98	102	4,870	8,832	1,813	1,350
46	49	93.317	21.429,725	379.453,293	17,707	17,243	96	99	49	2,281	3,961	1,736	1,273
47	50	92.776	20.634,950	358.023,568	17,350	16,887	97	100	22	1,008	1,680	1,666	1,203
48	51	92.195	19.860,212	337.388,618	16,988	16,525	98	101	10	0,419	0,672	1,603	1,139
49	52	91.563	19.103,343	317.528,406	16,622	16,158	99	102	4	0,164	0,253	1,545	1,082
							100	103	1	0,060	0,089	1,493	1,030

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -4 Jahre

Zinsfuß 3,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	4	99.548	99.547,849	2.776.439,376	27,891	27,427	50	54	90.590	18.305,317	294.328,390	16,079	15,615
1	5	99.081	95.962,114	2.676.891,527	27,895	27,432	51	55	89.828	17.579,906	276.023,073	15,701	15,237
2	6	99.028	92.891,823	2.580.929,413	27,784	27,321	52	56	89.024	16.874,189	258.443,167	15,316	14,852
3	7	98.999	89.941,466	2.488.037,590	27,663	27,199	53	57	88.146	16.181,963	241.568,978	14,928	14,465
4	8	98.972	87.086,902	2.398.096,124	27,537	27,073	54	58	87.201	15.504,583	225.387,015	14,537	14,073
5	9	98.949	84.326,262	2.311.009,222	27,406	26,942	55	59	86.192	14.842,759	209.882,432	14,140	13,677
6	10	98.929	81.655,463	2.226.682,961	27,269	26,806	56	60	85.112	14.195,412	195.039,673	13,740	13,276
7	11	98.910	79.069,327	2.145.027,498	27,128	26,665	57	61	83.981	13.565,830	180.844,261	13,331	12,867
8	12	98.888	76.563,826	2.065.958,170	26,983	26,520	58	62	82.786	12.951,834	167.278,432	12,915	12,452
9	13	98.868	74.138,712	1.989.394,345	26,833	26,370	59	63	81.481	12.346,416	154.326,598	12,500	12,036
10	14	98.849	71.791,372	1.915.255,633	26,678	26,214	60	64	80.076	11.751,617	141.980,182	12,082	11,618
11	15	98.828	69.516,960	1.843.464,261	26,518	26,055	61	65	78.595	11.171,277	130.228,565	11,657	11,194
12	16	98.796	67.307,020	1.773.947,301	26,356	25,892	62	66	77.017	10.602,375	119.057,287	11,229	10,766
13	17	98.763	65.166,081	1.706.640,281	26,189	25,725	63	67	75.292	10.038,582	108.454,912	10,804	10,340
14	18	98.728	63.092,780	1.641.474,200	26,017	25,553	64	68	73.449	9.484,695	98.416,330	10,376	9,913
15	19	98.681	61.077,964	1.578.381,421	25,842	25,378	65	69	71.463	8.937,763	88.931,635	9,950	9,486
16	20	98.631	59.125,065	1.517.303,456	25,663	25,199	66	70	69.316	8.396,322	79.993,873	9,527	9,064
17	21	98.562	57.223,972	1.458.178,391	25,482	25,018	67	71	67.023	7.863,054	71.597,551	9,106	8,642
18	22	98.488	55.381,089	1.400.954,419	25,297	24,833	68	72	64.524	7.331,602	63.734,497	8,693	8,229
19	23	98.386	53.582,663	1.345.573,330	25,112	24,648	69	73	61.863	6.807,968	56.402,894	8,285	7,821
20	24	98.282	51.840,715	1.291.990,668	24,922	24,459	70	74	59.042	6.293,005	49.594,926	7,881	7,417
21	25	98.180	50.157,122	1.240.149,953	24,725	24,262	71	75	56.053	5.786,330	43.301,921	7,483	7,020
22	26	98.079	48.528,293	1.189.992,830	24,522	24,058	72	76	52.880	5.286,986	37.515,592	7,096	6,632
23	27	97.978	46.952,183	1.141.464,538	24,311	23,848	73	77	49.542	4.797,284	32.228,605	6,718	6,254
24	28	97.877	45.427,320	1.094.512,355	24,094	23,630	74	78	46.071	4.320,784	27.431,321	6,349	5,885
25	29	97.776	43.952,431	1.049.085,034	23,869	23,405	75	79	42.480	3.858,599	23.110,537	5,989	5,526
26	30	97.676	42.525,352	1.005.132,603	23,636	23,172	76	80	38.812	3.414,415	19.251,938	5,638	5,175
27	31	97.575	41.143,850	962.607,252	23,396	22,933	77	81	35.079	2.988,910	15.837,523	5,299	4,835
28	32	97.470	39.806,044	921.463,401	23,149	22,685	78	82	31.311	2.583,840	12.848,613	4,973	4,509
29	33	97.364	38.511,032	881.657,358	22,894	22,430	79	83	27.509	2.198,694	10.264,773	4,669	4,205
30	34	97.256	37.257,694	843.146,325	22,630	22,167	80	84	23.837	1.845,243	8.066,079	4,371	3,908
31	35	97.140	36.041,666	805.888,632	22,360	21,896	81	85	20.293	1.521,396	6.220,835	4,089	3,625
32	36	97.013	34.861,760	769.846,966	22,083	21,619	82	86	17.009	1.235,093	4.699,439	3,805	3,341
33	37	96.879	33.717,678	734.985,205	21,798	21,335	83	87	13.859	974,658	3.464,347	3,554	3,091
34	38	96.735	32.607,693	701.267,527	21,506	21,043	84	88	10.980	747,856	2.489,688	3,329	2,865
35	39	96.575	31.529,067	668.659,834	21,208	20,744	85	89	8.484	559,687	1.741,832	3,112	2,649
36	40	96.396	30.480,259	637.130,767	20,903	20,439	86	90	6.387	408,067	1.182,145	2,897	2,433
37	41	96.204	29.461,854	606.650,508	20,591	20,127	87	91	4.635	286,823	774,078	2,699	2,235
38	42	95.993	28.471,837	577.188,655	20,272	19,809	88	92	3.201	191,836	487,256	2,540	2,076
39	43	95.753	27.506,661	548.716,817	19,949	19,485	89	93	2.122	123,203	295,419	2,398	1,934
40	44	95.481	26.565,246	521.210,157	19,620	19,156	90	94	1.351	75,948	172,216	2,268	1,804
41	45	95.184	25.648,988	494.644,911	19,285	18,822	91	95	824	44,872	96,268	2,145	1,682
42	46	94.852	24.755,119	468.995,924	18,945	18,482	92	96	478	25,224	51,396	2,038	1,574
43	47	94.473	23.880,057	444.240,804	18,603	18,139	93	97	264	13,492	26,172	1,940	1,476
44	48	94.056	23.026,264	420.360,747	18,256	17,792	94	98	138	6,850	12,679	1,851	1,387
45	49	93.605	22.194,485	397.334,483	17,902	17,439	95	99	69	3,292	5,830	1,771	1,307
46	50	93.092	21.378,149	375.139,998	17,548	17,084	96	100	32	1,495	2,537	1,698	1,234
47	51	92.542	20.582,814	353.761,849	17,187	16,724	97	101	14	0,639	1,043	1,631	1,168
48	52	91.939	19.805,055	333.179,035	16,823	16,359	98	102	6	0,257	0,403	1,571	1,108
49	53	91.287	19.045,590	313.373,980	16,454	15,990	99	103	2	0,097	0,147	1,517	1,053
							100	104	1	0,034	0,050	1,467	1,003

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -5 Jahre

Zinsfuß 3,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	5	99.535	99.534,992	2.770.949,391	27,839	27,375	50	55	90.275	18.241,646	289.955,977	15,895	15,432
1	6	99.068	95.949,570	2.671.414,399	27,842	27,378	51	56	89.487	17.513,333	271.714,330	15,515	15,051
2	7	99.019	92.883,263	2.575.464,829	27,728	27,264	52	57	88.666	16.806,444	254.200,997	15,125	14,662
3	8	98.990	89.933,633	2.482.581,565	27,605	27,141	53	58	87.753	16.109,741	237.394,553	14,736	14,272
4	9	98.963	87.078,543	2.392.647,933	27,477	27,013	54	59	86.781	15.429,919	221.284,812	14,341	13,878
5	10	98.943	84.320,813	2.305.569,390	27,343	26,879	55	60	85.754	14.767,302	205.854,893	13,940	13,476
6	11	98.921	81.648,597	2.221.248,578	27,205	26,741	56	61	84.644	14.117,277	191.087,591	13,536	13,072
7	12	98.900	79.061,912	2.139.599,981	27,062	26,599	57	62	83.508	13.489,490	176.970,315	13,119	12,656
8	13	98.880	76.557,323	2.060.538,069	26,915	26,451	58	63	82.265	12.870,329	163.480,824	12,702	12,239
9	14	98.858	74.131,529	1.983.980,746	26,763	26,299	59	64	80.926	12.262,438	150.610,495	12,282	11,819
10	15	98.838	71.783,006	1.909.849,217	26,606	26,142	60	65	79.490	11.665,680	138.348,058	11,859	11,396
11	16	98.811	69.504,539	1.838.066,210	26,445	25,982	61	66	77.953	11.080,037	126.682,378	11,433	10,970
12	17	98.775	67.292,766	1.768.561,671	26,282	25,818	62	67	76.320	10.506,354	115.602,340	11,003	10,539
13	18	98.741	65.151,743	1.701.268,905	26,112	25,649	63	68	74.526	9.936,540	105.095,986	10,577	10,113
14	19	98.700	63.074,635	1.636.117,162	25,939	25,476	64	69	72.609	9.376,213	95.159,447	10,149	9,685
15	20	98.654	61.061,033	1.573.042,527	25,762	25,298	65	70	70.552	8.823,733	85.783,234	9,722	9,258
16	21	98.600	59.106,390	1.511.981,494	25,581	25,117	66	71	68.331	8.276,980	76.959,500	9,298	8,834
17	22	98.538	57.209,971	1.452.875,104	25,395	24,932	67	72	65.937	7.735,576	68.682,520	8,879	8,415
18	23	98.461	55.366,095	1.395.665,133	25,208	24,744	68	73	63.361	7.199,420	60.946,944	8,466	8,002
19	24	98.361	53.568,683	1.340.299,039	25,020	24,557	69	74	60.603	6.669,274	53.747,524	8,059	7,595
20	25	98.255	51.826,631	1.286.730,356	24,828	24,364	70	75	57.698	6.149,765	47.078,250	7,655	7,192
21	26	98.156	50.144,780	1.234.903,725	24,627	24,163	71	76	54.600	5.636,305	40.928,485	7,262	6,798
22	27	98.052	48.514,707	1.184.758,945	24,421	23,957	72	77	51.349	5.133,937	35.292,180	6,874	6,411
23	28	97.949	46.938,499	1.136.244,238	24,207	23,743	73	78	47.930	4.641,217	30.158,244	6,498	6,034
24	29	97.847	45.413,836	1.089.305,738	23,986	23,523	74	79	44.363	4.160,647	25.517,027	6,133	5,669
25	30	97.748	43.939,566	1.043.891,902	23,757	23,294	75	80	40.693	3.696,282	21.356,380	5,778	5,314
26	31	97.644	42.511,428	999.952,336	23,522	23,058	76	81	36.921	3.248,084	17.660,098	5,437	4,973
27	32	97.540	41.129,153	957.440,908	23,279	22,815	77	82	33.124	2.822,297	14.412,014	5,106	4,643
28	33	97.435	39.791,889	916.311,754	23,028	22,564	78	83	29.287	2.416,862	11.589,717	4,795	4,332
29	34	97.325	38.495,644	876.519,865	22,769	22,306	79	84	25.538	2.041,140	9.172,855	4,494	4,030
30	35	97.211	37.240,226	838.024,221	22,503	22,040	80	85	21.922	1.696,957	7.131,715	4,203	3,739
31	36	97.090	36.023,214	800.783,994	22,230	21,766	81	86	18.531	1.389,301	5.434,758	3,912	3,448
32	37	96.958	34.842,047	764.760,780	21,949	21,486	82	87	15.294	1.110,578	4.045,457	3,643	3,179
33	38	96.820	33.697,002	729.918,732	21,661	21,198	83	88	12.225	859,768	2.934,880	3,414	2,950
34	39	96.667	32.584,883	696.221,730	21,366	20,903	84	89	9.535	649,493	2.075,112	3,195	2,731
35	40	96.497	31.503,836	663.636,847	21,065	20,602	85	90	7.226	476,727	1.425,619	2,990	2,527
36	41	96.313	30.453,741	632.133,011	20,757	20,294	86	91	5.343	341,363	948,891	2,780	2,316
37	42	96.109	29.432,731	601.679,270	20,443	19,979	87	92	3.766	233,072	607,528	2,607	2,143
38	43	95.885	28.439,816	572.246,539	20,121	19,658	88	93	2.543	152,435	374,456	2,456	1,993
39	44	95.628	27.470,956	543.806,723	19,796	19,332	89	94	1.647	95,607	222,021	2,322	1,859
40	45	95.348	26.528,266	516.335,767	19,464	19,000	90	95	1.022	57,482	126,414	2,199	1,736
41	46	95.033	25.608,308	489.807,500	19,127	18,663	91	96	608	33,080	68,932	2,084	1,620
42	47	94.682	24.710,659	464.199,192	18,785	18,322	92	97	343	18,090	35,851	1,982	1,518
43	48	94.289	23.833,619	439.488,533	18,440	17,976	93	98	184	9,401	17,761	1,889	1,426
44	49	93.857	22.977,450	415.654,914	18,090	17,626	94	99	94	4,631	8,361	1,805	1,342
45	50	93.379	22.141,069	392.677,464	17,735	17,272	95	100	45	2,157	3,730	1,729	1,266
46	51	92.857	21.324,135	370.536,395	17,376	16,913	96	101	20	0,947	1,573	1,660	1,197
47	52	92.285	20.525,650	349.212,260	17,013	16,550	97	102	9	0,392	0,626	1,597	1,134
48	53	91.661	19.745,181	328.686,610	16,646	16,183	98	103	3	0,152	0,234	1,540	1,077
49	54	90.998	18.985,453	308.941,429	16,273	15,809	99	104	1	0,055	0,082	1,489	1,025
							100	105	0	0,019	0,027	1,442	0,978

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -6 Jahre

Zinsfuß 3,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	6	99.522	99.521,980	2.765.086,086	27,784	27,320	50	56	89.933	18.172,568	285.301,263	15,700	15,236
1	7	99.059	95.940,729	2.665.564,106	27,783	27,320	51	57	89.128	17.443,022	267.128,695	15,314	14,851
2	8	99.010	92.875,174	2.569.623,377	27,667	27,204	52	58	88.271	16.731,435	249.685,672	14,923	14,460
3	9	98.981	89.925,000	2.476.748,203	27,542	27,079	53	59	87.330	16.032,163	232.954,237	14,530	14,067
4	10	98.956	87.072,916	2.386.823,203	27,412	26,948	54	60	86.340	15.351,476	216.922,074	14,130	13,667
5	11	98.935	84.313,722	2.299.750,288	27,276	26,812	55	61	85.282	14.686,019	201.570,598	13,725	13,262
6	12	98.912	81.640,940	2.215.436,566	27,136	26,673	56	62	84.167	14.037,834	186.884,579	13,313	12,849
7	13	98.892	79.055,198	2.133.795,626	26,991	26,528	57	63	82.983	13.404,602	172.846,745	12,895	12,431
8	14	98.870	76.549,905	2.054.740,428	26,842	26,378	58	64	81.705	12.782,787	159.442,143	12,473	12,010
9	15	98.847	74.122,891	1.978.190,523	26,688	26,224	59	65	80.335	12.172,765	146.659,356	12,048	11,585
10	16	98.820	71.770,181	1.904.067,632	26,530	26,066	60	66	78.841	11.570,402	134.486,591	11,623	11,160
11	17	98.790	69.489,820	1.832.297,451	26,368	25,904	61	67	77.247	10.979,690	122.916,189	11,195	10,731
12	18	98.754	67.277,960	1.762.807,631	26,202	25,738	62	68	75.544	10.399,557	111.936,499	10,764	10,300
13	19	98.712	65.133,006	1.695.529,671	26,032	25,568	63	69	73.674	9.822,890	101.536,942	10,337	9,873
14	20	98.672	63.057,150	1.630.396,665	25,856	25,392	64	70	71.683	9.256,590	91.714,052	9,908	9,444
15	21	98.623	61.041,747	1.567.339,515	25,677	25,213	65	71	69.549	8.698,317	82.457,463	9,480	9,016
16	22	98.576	59.091,928	1.506.297,769	25,491	25,027	66	72	67.223	8.142,792	73.759,146	9,058	8,595
17	23	98.511	57.194,482	1.447.205,840	25,303	24,840	67	73	64.748	7.596,111	65.616,355	8,638	8,175
18	24	98.435	55.351,649	1.390.011,358	25,112	24,649	68	74	62.070	7.052,751	58.020,244	8,227	7,763
19	25	98.334	53.554,129	1.334.659,709	24,922	24,458	69	75	59.223	6.517,470	50.967,493	7,820	7,357
20	26	98.231	51.813,878	1.281.105,580	24,725	24,262	70	76	56.202	5.990,317	44.450,023	7,420	6,957
21	27	98.129	50.130,742	1.229.291,702	24,522	24,058	71	77	53.019	5.473,143	38.459,706	7,027	6,563
22	28	98.023	48.500,568	1.179.160,960	24,312	23,849	72	78	49.679	4.966,917	32.986,563	6,641	6,178
23	29	97.920	46.924,567	1.130.660,391	24,095	23,632	73	79	46.153	4.469,203	28.019,646	6,269	5,806
24	30	97.819	45.400,543	1.083.735,824	23,871	23,407	74	80	42.497	3.985,624	23.550,443	5,909	5,445
25	31	97.716	43.925,179	1.038.335,281	23,639	23,175	75	81	38.711	3.516,220	19.564,818	5,564	5,101
26	32	97.610	42.496,243	994.410,101	23,400	22,936	76	82	34.863	3.067,023	16.048,598	5,233	4,769
27	33	97.505	41.114,529	951.913,859	23,153	22,689	77	83	30.983	2.639,908	12.981,575	4,917	4,454
28	34	97.396	39.775,990	910.799,330	22,898	22,435	78	84	27.188	2.243,675	10.341,667	4,609	4,146
29	35	97.279	38.477,597	871.023,340	22,637	22,174	79	85	23.486	1.877,111	8.097,992	4,314	3,850
30	36	97.161	37.221,161	832.545,744	22,368	21,904	80	86	20.018	1.549,619	6.220,882	4,014	3,551
31	37	97.035	36.002,845	795.324,583	22,091	21,627	81	87	16.663	1.249,240	4.671,262	3,739	3,276
32	38	96.899	34.820,682	759.321,738	21,807	21,343	82	88	13.492	979,665	3.422,023	3,493	3,029
33	39	96.752	33.673,431	724.501,056	21,516	21,052	83	89	10.617	746,685	2.442,357	3,271	2,807
34	40	96.590	32.558,807	690.827,626	21,218	20,754	84	90	8.122	553,222	1.695,672	3,065	2,601
35	41	96.413	31.476,428	658.268,819	20,913	20,449	85	91	6.045	398,801	1.142,450	2,865	2,401
36	42	96.217	30.423,638	626.792,391	20,602	20,139	86	92	4.341	277,392	743,650	2,681	2,217
37	43	96.001	29.399,629	596.368,753	20,285	19,821	87	93	2.993	185,202	466,258	2,518	2,054
38	44	95.760	28.402,900	566.969,124	19,962	19,498	88	94	1.974	118,291	281,056	2,376	1,912
39	45	95.495	27.432,717	538.566,223	19,632	19,169	89	95	1.247	72,361	162,765	2,249	1,786
40	46	95.197	26.486,192	511.133,507	19,298	18,834	90	96	754	42,377	90,404	2,133	1,670
41	47	94.862	25.562,316	484.647,314	18,959	18,496	91	97	436	23,724	48,027	2,024	1,561
42	48	94.498	24.662,606	459.084,998	18,615	18,151	92	98	239	12,604	24,303	1,928	1,465
43	49	94.089	23.783,093	434.422,392	18,266	17,802	93	99	124	6,355	11,699	1,841	1,377
44	50	93.631	22.922,150	410.639,299	17,915	17,451	94	100	61	3,033	5,344	1,762	1,298
45	51	93.144	22.085,126	387.717,149	17,556	17,092	95	101	29	1,367	2,310	1,690	1,226
46	52	92.599	21.264,912	365.632,023	17,194	16,731	96	102	13	0,581	0,943	1,624	1,161
47	53	92.006	20.463,597	344.367,110	16,828	16,365	97	103	5	0,232	0,362	1,565	1,101
48	54	91.371	19.682,834	323.903,514	16,456	15,993	98	104	2	0,087	0,131	1,511	1,047
49	55	90.682	18.919,417	304.220,679	16,080	15,616	99	105	1	0,030	0,044	1,462	0,998
							100	106					

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -7 Jahre

Zinsfuß 3,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	7	99.513	99.512,810	2.758.834,884	27,723	27,260	50	57	89.572	18.099,610	280.358,221	15,490	15,026
1	8	99.050	95.932,373	2.659.322,074	27,721	27,257	51	58	88.730	17.365,173	262.258,611	15,103	14,639
2	9	99.001	92.866,259	2.563.389,701	27,603	27,139	52	59	87.846	16.650,863	244.893,439	14,708	14,244
3	10	98.974	89.919,189	2.470.523,442	27,475	27,011	53	60	86.886	15.950,659	228.242,575	14,309	13,846
4	11	98.948	87.065,594	2.380.604,253	27,343	26,879	54	61	85.865	15.266,978	212.291,917	13,905	13,442
5	12	98.925	84.305,815	2.293.538,659	27,205	26,741	55	62	84.802	14.603,375	197.024,939	13,492	13,028
6	13	98.903	81.634,006	2.209.232,844	27,063	26,599	56	63	83.638	13.949,495	182.421,563	13,077	12,614
7	14	98.882	79.047,538	2.127.598,838	26,915	26,452	57	64	82.418	13.313,426	168.472,068	12,654	12,191
8	15	98.859	76.540,986	2.048.551,300	26,764	26,300	58	65	81.108	12.689,309	155.158,642	12,228	11,764
9	16	98.829	74.109,647	1.972.010,314	26,609	26,146	59	66	79.679	12.073,345	142.469,333	11,800	11,337
10	17	98.799	71.754,982	1.897.900,667	26,450	25,986	60	67	78.127	11.465,614	130.395,988	11,373	10,909
11	18	98.768	69.474,531	1.826.145,685	26,285	25,825	61	68	76.462	10.868,081	118.930,374	10,943	10,479
12	19	98.725	67.258,612	1.756.671,154	26,118	25,655	62	69	74.680	10.280,611	108.062,293	10,511	10,048
13	20	98.685	65.114,950	1.689.412,543	25,945	25,481	63	70	72.734	9.697,568	97.781,681	10,083	9,619
14	21	98.641	63.037,233	1.624.297,592	25,767	25,304	64	71	70.664	9.125,021	88.084,114	9,653	9,189
15	22	98.599	61.026,812	1.561.260,359	25,583	25,120	65	72	68.421	8.557,297	78.959,093	9,227	8,763
16	23	98.549	59.075,930	1.500.233,548	25,395	24,931	66	73	66.011	7.995,984	70.401,796	8,805	8,341
17	24	98.485	57.179,560	1.441.157,618	25,204	24,740	67	74	63.429	7.441,360	62.405,811	8,386	7,923
18	25	98.409	55.336,611	1.383.978,058	25,010	24,547	68	75	60.657	6.892,218	54.964,451	7,975	7,511
19	26	98.310	53.540,951	1.328.641,447	24,815	24,352	69	76	57.688	6.348,488	48.072,233	7,572	7,109
20	27	98.203	51.799,372	1.275.100,496	24,616	24,153	70	77	54.575	5.816,907	41.723,745	7,173	6,709
21	28	98.100	50.116,132	1.223.301,123	24,409	23,946	71	78	51.294	5.295,088	35.906,838	6,781	6,318
22	29	97.994	48.486,172	1.173.184,991	24,196	23,733	72	79	47.838	4.782,833	30.611,750	6,400	5,937
23	30	97.891	46.910,832	1.124.698,819	23,975	23,512	73	80	44.212	4.281,201	25.828,918	6,033	5,569
24	31	97.787	45.385,679	1.077.787,987	23,747	23,284	74	81	40.427	3.791,467	21.547,716	5,683	5,220
25	32	97.681	43.909,489	1.032.402,308	23,512	23,048	75	82	36.553	3.320,212	17.756,249	5,348	4,884
26	33	97.575	42.481,132	988.492,820	23,269	22,805	76	83	32.610	2.868,819	14.436,037	5,032	4,568
27	34	97.466	41.098,100	946.011,687	23,018	22,555	77	84	28.763	2.450,738	11.567,218	4,720	4,256
28	35	97.351	39.757,342	904.913,587	22,761	22,297	78	85	25.004	2.063,369	9.116,479	4,418	3,955
29	36	97.229	38.457,898	865.156,245	22,496	22,033	79	86	21.447	1.714,131	7.053,110	4,115	3,651
30	37	97.106	37.200,114	826.698,347	22,223	21,759	80	87	18.000	1.393,395	5.338,979	3,832	3,368
31	38	96.976	35.980,767	789.498,233	21,942	21,479	81	88	14.698	1.101,982	3.945,583	3,580	3,117
32	39	96.831	34.796,324	753.517,466	21,655	21,191	82	89	11.717	850,813	2.843,601	3,342	2,879
33	40	96.674	33.646,483	718.721,142	21,361	20,897	83	90	9.044	636,008	1.992,788	3,133	2,670
34	41	96.506	32.530,481	685.074,659	21,059	20,596	84	91	6.794	462,791	1.356,781	2,932	2,468
35	42	96.318	31.445,314	652.544,178	20,752	20,288	85	92	4.912	324,065	893,989	2,759	2,295
36	43	96.109	30.389,422	621.098,864	20,438	19,974	86	93	3.450	220,418	569,924	2,586	2,122
37	44	95.876	29.361,468	590.709,442	20,119	19,655	87	94	2.322	143,718	349,505	2,432	1,968
38	45	95.627	28.363,363	561.347,975	19,791	19,328	88	95	1.494	89,530	205,787	2,299	1,835
39	46	95.344	27.389,208	532.984,611	19,460	18,996	89	96	919	53,346	116,258	2,179	1,716
40	47	95.026	26.438,624	505.595,403	19,123	18,660	90	97	541	30,391	62,912	2,070	1,606
41	48	94.678	25.512,606	479.156,780	18,781	18,318	91	98	304	16,530	32,520	1,967	1,504
42	49	94.297	24.610,323	453.644,173	18,433	17,969	92	99	162	8,521	15,990	1,877	1,413
43	50	93.863	23.725,854	429.033,850	18,083	17,619	93	100	82	4,163	7,470	1,794	1,331
44	51	93.394	22.864,234	405.307,997	17,727	17,263	94	101	39	1,923	3,307	1,719	1,256
45	52	92.885	22.023,791	382.443,762	17,365	16,901	95	102	17	0,838	1,384	1,651	1,188
46	53	92.319	21.200,624	360.419,972	17,000	16,537	96	103	7	0,343	0,546	1,590	1,126
47	54	91.715	20.398,982	339.219,348	16,629	16,166	97	104	3	0,132	0,202	1,534	1,070
48	55	91.054	19.614,373	318.820,365	16,254	15,791	98	105	1	0,048	0,070	1,483	1,019
49	56	90.339	18.847,771	299.205,993	15,875	15,411	99	106					
							100	107					

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -8 Jahre

Zinsfuß 3,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	8	99.504	99.504,143	2.752.177,570	27,659	27,195	50	58	89.172	18.018,830	275.120,040	15,268	14,805
1	9	99.041	95.923,164	2.652.673,427	27,654	27,191	51	59	88.303	17.281,548	257.101,210	14,877	14,414
2	10	98.994	92.860,258	2.556.750,262	27,533	27,070	52	60	87.399	16.566,214	239.819,662	14,476	14,013
3	11	98.966	89.911,628	2.463.890,004	27,403	26,940	53	61	86.408	15.862,862	223.253,448	14,074	13,610
4	12	98.939	87.057,429	2.373.978,376	27,269	26,805	54	62	85.382	15.181,065	207.390,586	13,661	13,198
5	13	98.917	84.298,655	2.286.920,948	27,129	26,665	55	63	84.268	14.511,478	192.209,521	13,245	12,782
6	14	98.894	81.626,097	2.202.622,293	26,984	26,521	56	64	83.069	13.854,613	177.698,043	12,826	12,362
7	15	98.871	79.038,327	2.120.996,196	26,835	26,371	57	65	81.816	13.216,068	163.843,430	12,397	11,934
8	16	98.841	76.527,310	2.041.957,869	26,683	26,219	58	66	80.445	12.585,671	150.627,362	11,968	11,505
9	17	98.808	74.093,953	1.965.430,559	26,526	26,063	59	67	78.957	11.964,002	138.041,692	11,538	11,074
10	18	98.777	71.739,194	1.891.336,607	26,364	25,900	60	68	77.333	11.349,066	126.077,690	11,109	10,645
11	19	98.740	69.454,551	1.819.597,412	26,198	25,735	61	69	75.588	10.743,777	114.728,624	10,679	10,215
12	20	98.698	67.239,967	1.750.142,862	26,028	25,565	62	70	73.727	10.149,449	103.984,847	10,245	9,782
13	21	98.654	65.094,383	1.682.902,894	25,853	25,390	63	71	71.700	9.559,731	93.835,397	9,816	9,352
14	22	98.617	63.021,810	1.617.808,511	25,671	25,207	64	72	69.518	8.977,083	84.275,666	9,388	8,924
15	23	98.572	61.010,289	1.554.786,701	25,484	25,020	65	73	67.188	8.403,017	75.298,583	8,961	8,497
16	24	98.523	59.060,516	1.493.776,412	25,292	24,829	66	74	64.666	7.833,087	66.895,566	8,540	8,077
17	25	98.459	57.164,025	1.434.715,896	25,098	24,635	67	75	61.985	7.271,982	59.062,479	8,122	7,658
18	26	98.385	55.322,995	1.377.551,870	24,900	24,437	68	76	59.085	6.713,520	51.790,497	7,714	7,251
19	27	98.282	53.525,962	1.322.228,876	24,703	24,239	69	77	56.018	6.164,709	45.076,977	7,312	6,848
20	28	98.175	51.784,276	1.268.702,914	24,500	24,036	70	78	52.800	5.627,669	38.912,268	6,914	6,451
21	29	98.071	50.101,257	1.216.918,637	24,289	23,826	71	79	49.393	5.098,841	33.284,599	6,528	6,064
22	30	97.965	48.471,980	1.166.817,380	24,072	23,608	72	80	45.825	4.581,637	28.185,758	6,152	5,688
23	31	97.859	46.895,473	1.118.345,400	23,848	23,384	73	81	42.058	4.072,645	23.604,121	5,796	5,332
24	32	97.752	45.369,466	1.071.449,928	23,616	23,152	74	82	38.173	3.580,116	19.531,476	5,456	4,992
25	33	97.646	43.893,876	1.026.080,462	23,376	22,913	75	83	34.191	3.105,647	15.951,360	5,136	4,673
26	34	97.536	42.464,158	982.186,586	23,130	22,666	76	84	30.273	2.663,246	12.845,713	4,823	4,360
27	35	97.420	41.078,833	939.722,428	22,876	22,412	77	85	26.451	2.253,793	10.182,467	4,518	4,054
28	36	97.301	39.736,988	898.643,596	22,615	22,151	78	86	22.833	1.884,218	7.928,674	4,208	3,744
29	37	97.174	38.436,152	858.906,608	22,346	21,883	79	87	19.284	1.541,322	6.044,456	3,922	3,458
30	38	97.046	37.177,302	820.470,456	22,069	21,605	80	88	15.878	1.229,145	4.503,134	3,664	3,200
31	39	96.908	35.955,598	783.293,154	21,785	21,321	81	89	12.765	957,042	3.273,989	3,421	2,957
32	40	96.754	34.768,478	747.337,556	21,495	21,031	82	90	9.980	724,701	2.316,947	3,197	2,733
33	41	96.590	33.617,211	712.569,078	21,197	20,733	83	91	7.565	532,045	1.592,246	2,993	2,529
34	42	96.410	32.498,325	678.951,867	20,892	20,428	84	92	5.521	376,064	1.060,201	2,819	2,356
35	43	96.210	31.409,948	646.453,542	20,581	20,118	85	93	3.903	257,506	684,137	2,657	2,193
36	44	95.984	30.349,976	615.043,593	20,265	19,801	86	94	2.677	171,047	426,631	2,494	2,031
37	45	95.743	29.320,596	584.693,618	19,941	19,478	87	95	1.758	108,774	255,585	2,350	1,886
38	46	95.475	28.318,379	555.373,021	19,612	19,148	88	96	1.101	66,003	146,810	2,224	1,761
39	47	95.172	27.340,017	527.054,643	19,278	18,814	89	97	659	38,258	80,807	2,112	1,649
40	48	94.841	26.387,210	499.714,625	18,938	18,474	90	98	377	21,175	42,549	2,009	1,546
41	49	94.477	25.458,521	473.327,415	18,592	18,128	91	99	205	11,175	21,374	1,913	1,449
42	50	94.070	24.551,093	447.868,894	18,242	17,779	92	100	106	5,582	10,199	1,827	1,364
43	51	93.626	23.665,907	423.317,801	17,887	17,424	93	101	52	2,639	4,618	1,750	1,286
44	52	93.135	22.800,735	399.651,894	17,528	17,064	94	102	24	1,178	1,978	1,679	1,215
45	53	92.604	21.957,208	376.851,159	17,163	16,699	95	103	10	0,495	0,800	1,615	1,151
46	54	92.028	21.133,682	354.893,951	16,793	16,329	96	104	4	0,196	0,305	1,557	1,093
47	55	91.396	20.328,030	333.760,269	16,419	15,955	97	105	2	0,072	0,109	1,504	1,040
48	56	90.709	19.540,096	313.432,239	16,040	15,577	98	106					
49	57	89.976	18.772,103	293.892,143	15,656	15,192	99	107					
							100	108					

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -9 Jahre

Zinsfuß 3,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	9	99.495	99.494,592	2.745.099,771	27,590	27,127	50	59	88.743	17.932,058	269.584,773	15,034	14,570
1	10	99.034	95.916,966	2.645.605,179	27,582	27,119	51	60	87.854	17.193,693	251.652,715	14,636	14,173
2	11	98.986	92.852,450	2.549.688,213	27,460	26,996	52	61	86.918	16.475,029	234.459,022	14,231	13,768
3	12	98.957	89.903,196	2.456.835,763	27,328	26,864	53	62	85.922	15.773,596	217.983,993	13,820	13,356
4	13	98.930	87.050,035	2.366.932,567	27,190	26,727	54	63	84.845	15.085,532	202.210,397	13,404	12,941
5	14	98.907	84.290,487	2.279.882,532	27,048	26,584	55	64	83.695	14.412,773	187.124,864	12,983	12,520
6	15	98.882	81.616,585	2.195.592,045	26,901	26,438	56	65	82.461	13.753,297	172.712,091	12,558	12,094
7	16	98.853	79.024,205	2.113.975,460	26,751	26,287	57	66	81.147	13.108,127	158.958,794	12,127	11,663
8	17	98.820	76.511,103	2.034.951,255	26,597	26,133	58	67	79.717	12.471,688	145.850,667	11,695	11,231
9	18	98.787	74.077,650	1.958.440,151	26,438	25,974	59	68	78.154	11.842,388	133.378,980	11,263	10,799
10	19	98.749	71.718,563	1.884.362,501	26,274	25,811	60	69	76.448	11.219,260	121.536,592	10,833	10,369
11	20	98.712	69.435,297	1.812.643,938	26,106	25,642	61	70	74.623	10.606,706	110.317,332	10,401	9,937
12	21	98.667	67.218,729	1.743.208,641	25,933	25,470	62	71	72.679	10.005,190	99.710,626	9,966	9,502
13	22	98.630	65.078,457	1.675.989,912	25,753	25,290	63	72	70.538	9.404,746	89.705,436	9,538	9,075
14	23	98.590	63.004,747	1.610.911,455	25,568	25,104	64	73	68.265	8.815,235	80.300,690	9,109	8,646
15	24	98.546	60.994,371	1.547.906,708	25,378	24,914	65	74	65.819	8.231,827	71.485,455	8,684	8,220
16	25	98.496	59.044,471	1.486.912,337	25,183	24,719	66	75	63.194	7.654,793	63.253,628	8,263	7,800
17	26	98.434	57.149,959	1.427.867,866	24,985	24,521	67	76	60.378	7.083,437	55.598,835	7,849	7,386
18	27	98.357	55.307,507	1.370.717,906	24,784	24,320	68	77	57.374	6.519,175	48.515,398	7,442	6,978
19	28	98.254	53.510,363	1.315.410,400	24,582	24,119	69	78	54.195	5.964,156	41.996,223	7,041	6,578
20	29	98.145	51.768,906	1.261.900,037	24,376	23,912	70	79	50.843	5.419,095	36.032,067	6,649	6,185
21	30	98.042	50.086,592	1.210.131,131	24,161	23,697	71	80	47.315	4.884,352	30.612,972	6,268	5,804
22	31	97.933	48.456,109	1.160.044,540	23,940	23,476	72	81	43.593	4.358,446	25.728,620	5,903	5,440
23	32	97.824	46.878,721	1.111.588,430	23,712	23,248	73	82	39.714	3.845,620	21.370,174	5,557	5,093
24	33	97.717	45.353,334	1.064.709,709	23,476	23,012	74	83	35.707	3.348,754	17.524,554	5,233	4,770
25	34	97.607	43.876,337	1.019.356,375	23,232	22,769	75	84	31.741	2.883,102	14.175,799	4,917	4,453
26	35	97.490	42.444,250	975.480,038	22,983	22,519	76	85	27.840	2.449,223	11.292,697	4,611	4,147
27	36	97.370	41.057,802	933.035,789	22,725	22,261	77	86	24.155	2.058,108	8.843,474	4,297	3,833
28	37	97.246	39.714,518	891.977,987	22,460	21,996	78	87	20.531	1.694,262	6.785,366	4,005	3,541
29	38	97.115	38.412,582	852.263,468	22,187	21,723	79	88	17.011	1.359,635	5.091,104	3,744	3,281
30	39	96.979	37.151,296	813.850,887	21,906	21,443	80	89	13.790	1.067,479	3.731,469	3,496	3,032
31	40	96.830	35.926,824	776.699,590	21,619	21,155	81	90	10.873	815,184	2.663,990	3,268	2,804
32	41	96.670	34.738,230	740.772,766	21,324	20,861	82	91	8.349	606,240	1.848,805	3,050	2,586
33	42	96.495	33.583,981	706.034,536	21,023	20,559	83	92	6.148	432,340	1.242,565	2,874	2,410
34	43	96.302	32.461,775	672.450,555	20,715	20,252	84	93	4.387	298,824	810,225	2,711	2,248
35	44	96.085	31.369,177	639.988,780	20,402	19,938	85	94	3.029	199,827	511,401	2,559	2,096
36	45	95.851	30.307,728	608.619,602	20,081	19,618	86	95	2.026	129,458	311,574	2,407	1,943
37	46	95.591	29.274,093	578.311,874	19,755	19,291	87	96	1.296	80,191	182,116	2,271	1,807
38	47	95.304	28.267,520	549.037,781	19,423	18,959	88	97	790	47,335	101,925	2,153	1,690
39	48	94.987	27.286,851	520.770,261	19,085	18,621	89	98	459	26,656	54,590	2,048	1,584
40	49	94.640	26.331,271	493.483,410	18,741	18,278	90	99	255	14,315	27,934	1,951	1,488
41	50	94.250	25.397,250	467.152,140	18,394	17,930	91	100	134	7,320	13,619	1,860	1,397
42	51	93.833	24.489,061	441.754,890	18,039	17,575	92	101	67	3,539	6,299	1,780	1,316
43	52	93.366	23.600,181	417.265,829	17,681	17,217	93	102	32	1,617	2,760	1,707	1,243
44	53	92.853	22.731,803	393.665,647	17,318	16,854	94	103	14	0,697	1,143	1,640	1,177
45	54	92.312	21.887,877	370.933,844	16,947	16,483	95	104	6	0,282	0,446	1,580	1,116
46	55	91.707	21.060,174	349.045,967	16,574	16,110	96	105	2	0,107	0,164	1,525	1,061
47	56	91.050	20.251,050	327.985,792	16,196	15,732	97	106					
48	57	90.345	19.461,648	307.734,742	15,812	15,349	98	107					
49	58	89.574	18.688,321	288.273,094	15,425	14,962	99	108					
							100	109					

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -10 Jahre

Zinsfuß 3,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	10	99.488	99.488,163	2.737.589,049	27,517	27,053	50	60	88.292	17.840,895	263.749,488	14,783	14,320
1	11	99.026	95.908,900	2.638.100,886	27,506	27,043	51	61	87.371	17.099,054	245.908,593	14,381	13,918
2	12	98.977	92.843,742	2.542.191,986	27,381	26,918	52	62	86.429	16.382,318	228.809,539	13,967	13,503
3	13	98.948	89.895,560	2.449.348,244	27,247	26,783	53	63	85.381	15.674,335	212.427,220	13,553	13,089
4	14	98.921	87.041,601	2.359.452,683	27,107	26,644	54	64	84.267	14.982,923	196.752,885	13,132	12,668
5	15	98.896	84.280,665	2.272.411,083	26,962	26,499	55	65	83.083	14.307,375	181.769,962	12,705	12,241
6	16	98.865	81.602,003	2.188.130,417	26,815	26,351	56	66	81.788	13.640,968	167.462,587	12,276	11,813
7	17	98.832	79.007,470	2.106.528,415	26,662	26,199	57	67	80.412	12.989,412	153.704,619	11,842	11,378
8	18	98.798	76.494,269	2.027.520,945	26,506	26,042	58	68	78.906	12.344,913	140.832,207	11,408	10,944
9	19	98.758	74.056,346	1.951.026,675	26,345	25,882	59	69	77.260	11.706,940	128.487,294	10,975	10,512
10	20	98.722	71.698,682	1.876.970,329	26,179	25,715	60	70	75.473	11.076,123	116.780,354	10,543	10,080
11	21	98.681	69.413,366	1.805.271,647	26,008	25,544	61	71	73.563	10.455,947	105.704,231	10,109	9,646
12	22	98.643	67.202,283	1.735.858,281	25,830	25,367	62	72	71.501	9.842,983	95.248,284	9,677	9,213
13	23	98.603	65.060,837	1.668.655,999	25,648	25,184	63	73	69.266	9.235,187	85.405,301	9,248	8,784
14	24	98.565	62.988,309	1.603.595,161	25,459	24,995	64	74	66.874	8.635,648	76.170,114	8,820	8,357
15	25	98.520	60.977,800	1.540.606,852	25,265	24,801	65	75	64.321	8.044,457	67.534,467	8,395	7,932
16	26	98.472	59.029,942	1.479.629,052	25,066	24,602	66	76	61.556	7.456,323	59.490,010	7,978	7,515
17	27	98.407	57.133,959	1.420.599,110	24,864	24,401	67	77	58.630	6.878,384	52.033,687	7,565	7,101
18	28	98.328	55.291,388	1.363.465,151	24,660	24,196	68	78	55.508	6.307,090	45.155,303	7,159	6,696
19	29	98.225	53.494,480	1.308.173,762	24,454	23,991	69	79	52.187	5.743,112	38.848,214	6,764	6,301
20	30	98.117	51.753,752	1.254.679,282	24,243	23,780	70	80	48.704	5.191,135	33.105,102	6,377	5,914
21	31	98.010	50.070,193	1.202.925,530	24,025	23,561	71	81	45.010	4.646,414	27.913,967	6,008	5,544
22	32	97.898	48.438,800	1.152.855,337	23,800	23,337	72	82	41.163	4.115,489	23.267,553	5,654	5,190
23	33	97.790	46.862,052	1.104.416,537	23,567	23,104	73	83	37.147	3.597,100	19.152,064	5,324	4,861
24	34	97.678	45.335,212	1.057.554,485	23,327	22,864	74	84	33.148	3.108,790	15.554,964	5,004	4,540
25	35	97.561	43.855,767	1.012.219,273	23,081	22,617	75	85	29.190	2.651,412	12.446,174	4,694	4,231
26	36	97.440	42.422,520	968.363,506	22,827	22,363	76	86	25.423	2.236,570	9.794,762	4,379	3,916
27	37	97.315	41.034,586	925.940,986	22,565	22,101	77	87	21.720	1.850,621	7.558,192	4,084	3,621
28	38	97.186	39.690,164	884.906,401	22,295	21,832	78	88	18.111	1.494,546	5.707,571	3,819	3,355
29	39	97.047	38.385,712	845.216,236	22,019	21,555	79	89	14.774	1.180,806	4.213,025	3,568	3,104
30	40	96.901	37.121,565	806.830,525	21,735	21,271	80	90	11.746	909,252	3.032,219	3,335	2,871
31	41	96.746	35.895,568	769.708,959	21,443	20,979	81	91	9.096	681,933	2.122,966	3,113	2,650
32	42	96.574	34.703,892	733.813,391	21,145	20,681	82	92	6.784	492,631	1.441,033	2,925	2,462
33	43	96.386	33.546,210	699.109,499	20,840	20,377	83	93	4.885	343,541	948,403	2,761	2,297
34	44	96.177	32.419,639	665.563,289	20,530	20,066	84	94	3.404	231,890	604,861	2,608	2,145
35	45	95.951	31.325,511	633.143,649	20,212	19,748	85	95	2.293	151,241	372,971	2,466	2,002
36	46	95.699	30.259,660	601.818,138	19,888	19,425	86	96	1.494	95,440	221,730	2,323	1,860
37	47	95.419	29.221,518	571.558,478	19,560	19,096	87	97	929	57,510	126,290	2,196	1,732
38	48	95.118	28.212,549	542.336,961	19,223	18,760	88	98	550	32,981	68,780	2,085	1,622
39	49	94.786	27.229,004	514.124,411	18,881	18,418	89	99	310	18,020	35,800	1,987	1,523
40	50	94.412	26.267,899	486.895,407	18,536	18,072	90	100	167	9,377	17,779	1,896	1,432
41	51	94.011	25.333,080	460.627,508	18,183	17,719	91	101	85	4,641	8,402	1,811	1,347
42	52	93.572	24.421,049	435.294,428	17,825	17,361	92	102	41	2,168	3,761	1,735	1,271
43	53	93.084	23.528,833	410.873,379	17,463	16,999	93	103	19	0,956	1,593	1,666	1,202
44	54	92.560	22.660,027	387.344,545	17,094	16,630	94	104	8	0,397	0,637	1,603	1,140
45	55	91.991	21.811,746	364.684,519	16,720	16,256	95	105	3	0,155	0,240	1,546	1,083
46	56	91.360	20.980,422	342.872,773	16,343	15,879	96	106					
47	57	90.685	20.169,748	321.892,350	15,959	15,496	97	107					
48	58	89.941	19.374,789	301.722,602	15,573	15,109	98	108					
49	59	89.143	18.598,325	282.347,813	15,181	14,718	99	109					
							100	110					

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -11 Jahre

Zinsfuß 3,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	11	99.480	99.479,797	2.729.629,341	27,439	26,975	50	61	87.806	17.742,694	257.610,451	14,519	14,056
1	12	99.017	95.899,906	2.630.149,545	27,426	26,962	51	62	86.879	17.002,832	239.867,757	14,108	13,644
2	13	98.968	92.835,857	2.534.249,638	27,298	26,835	52	63	85.885	16.279,226	222.864,925	13,690	13,227
3	14	98.939	89.886,850	2.441.413,782	27,161	26,697	53	64	84.800	15.567,721	206.585,699	13,270	12,807
4	15	98.909	87.031,458	2.351.526,931	27,019	26,556	54	65	83.651	14.873,356	191.017,979	12,843	12,379
5	16	98.878	84.265,607	2.264.495,473	26,873	26,410	55	66	82.405	14.190,522	176.144,623	12,413	11,949
6	17	98.844	81.584,721	2.180.229,866	26,724	26,260	56	67	81.047	13.517,428	161.954,101	11,981	11,518
7	18	98.810	78.990,087	2.098.645,144	26,568	26,105	57	68	79.595	12.857,375	148.436,674	11,545	11,081
8	19	98.770	76.472,270	2.019.655,058	26,410	25,947	58	69	78.004	12.203,717	135.579,299	11,110	10,646
9	20	98.731	74.035,817	1.943.182,787	26,247	25,783	59	70	76.275	11.557,580	123.375,581	10,675	10,211
10	21	98.690	71.676,035	1.869.146,970	26,078	25,614	60	71	74.400	10.918,692	111.818,001	10,241	9,777
11	22	98.657	69.396,382	1.797.470,935	25,902	25,438	61	72	72.370	10.286,433	100.899,309	9,809	9,345
12	23	98.616	67.184,088	1.728.074,552	25,721	25,258	62	73	70.212	9.665,523	90.612,877	9,375	8,911
13	24	98.577	65.043,862	1.660.890,464	25,535	25,071	63	74	67.855	9.047,044	80.947,354	8,947	8,484
14	25	98.538	62.971,196	1.595.846,601	25,342	24,879	64	75	65.352	8.439,085	71.900,309	8,520	8,056
15	26	98.495	60.962,796	1.532.875,405	25,144	24,681	65	76	62.653	7.835,884	63.461,224	8,099	7,635
16	27	98.445	59.013,416	1.471.912,609	24,942	24,478	66	77	59.774	7.240,475	55.625,340	7,683	7,219
17	28	98.378	57.117,309	1.412.899,193	24,737	24,273	67	78	56.723	6.654,612	48.384,865	7,271	6,807
18	29	98.299	55.274,977	1.355.781,884	24,528	24,064	68	79	53.450	6.073,336	41.730,253	6,871	6,407
19	30	98.196	53.478,822	1.300.506,908	24,318	23,855	69	80	49.992	5.501,521	35.656,917	6,481	6,018
20	31	98.085	51.736,807	1.247.028,086	24,103	23,640	70	81	46.332	4.938,252	30.155,396	6,106	5,643
21	32	97.975	50.052,307	1.195.291,279	23,881	23,417	71	82	42.501	4.387,405	25.217,144	5,748	5,284
22	33	97.863	48.421,577	1.145.238,972	23,651	23,188	72	83	38.503	3.849,529	20.829,739	5,411	4,947
23	34	97.751	46.843,327	1.096.817,395	23,415	22,951	73	84	34.485	3.339,340	16.980,210	5,085	4,621
24	35	97.632	45.313,958	1.049.974,068	23,171	22,707	74	85	30.484	2.858,962	13.640,871	4,771	4,308
25	36	97.511	43.833,314	1.004.660,110	22,920	22,456	75	86	26.655	2.421,204	10.781,908	4,453	3,989
26	37	97.385	42.398,532	960.826,796	22,662	22,198	76	87	22.860	2.011,092	8.360,704	4,157	3,694
27	38	97.256	41.009,423	918.428,264	22,396	21,932	77	88	19.159	1.632,474	6.349,612	3,890	3,426
28	39	97.118	39.662,401	877.418,841	22,122	21,659	78	89	15.729	1.297,973	4.717,138	3,634	3,171
29	40	96.969	38.354,993	837.756,441	21,842	21,379	79	90	12.584	1.005,781	3.419,165	3,400	2,936
30	41	96.817	37.089,270	799.401,448	21,553	21,090	80	91	9.826	760,624	2.413,384	3,173	2,709
31	42	96.650	35.860,086	762.312,177	21,258	20,794	81	92	7.391	554,139	1.652,760	2,983	2,519
32	43	96.465	34.664,861	726.452,091	20,956	20,493	82	93	5.391	391,449	1.098,621	2,807	2,343
33	44	96.261	33.502,666	691.787,230	20,649	20,185	83	94	3.791	266,591	707,172	2,653	2,189
34	45	96.043	32.374,511	658.284,564	20,333	19,870	84	95	2.577	175,508	440,580	2,510	2,047
35	46	95.799	31.275,829	625.910,053	20,013	19,549	85	96	1.690	111,498	265,072	2,377	1,914
36	47	95.527	30.205,314	594.634,224	19,686	19,223	86	97	1.071	68,446	153,574	2,244	1,780
37	48	95.233	29.164,692	564.428,910	19,353	18,890	87	98	648	40,070	85,128	2,124	1,661
38	49	94.917	28.152,741	535.264,217	19,013	18,549	88	99	372	22,296	45,058	2,021	1,557
39	50	94.558	27.163,472	507.111,477	18,669	18,205	89	100	203	11,805	22,762	1,928	1,465
40	51	94.174	26.201,529	479.948,005	18,318	17,854	90	101	106	5,945	10,957	1,843	1,380
41	52	93.750	25.262,724	453.746,476	17,961	17,497	91	102	52	2,843	5,013	1,763	1,299
42	53	93.289	24.347,219	428.483,751	17,599	17,135	92	103	24	1,282	2,169	1,692	1,228
43	54	92.790	23.454,540	404.136,532	17,231	16,767	93	104	11	0,545	0,887	1,627	1,163
44	55	92.238	22.581,210	380.681,992	16,858	16,395	94	105	4	0,218	0,342	1,568	1,104
45	56	91.642	21.729,148	358.100,783	16,480	16,017	95	106					
46	57	90.993	20.896,192	336.371,635	16,097	15,634	96	107					
47	58	90.280	20.079,729	315.475,443	15,711	15,248	97	108					
48	59	89.508	19.281,487	295.395,714	15,320	14,857	98	109					
49	60	88.690	18.503,776	276.114,227	14,922	14,458	99	110					
							100	111					

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -12 Jahre

Zinsfuß 3,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	12	99.470	99.470,467	2.721.210,127	27,357	26,893	50	62	87.312	17.642,850	251.167,395	14,236	13,773
1	13	99.008	95.891,762	2.621.739,659	27,341	26,877	51	63	86.332	16.895,835	233.524,545	13,821	13,358
2	14	98.959	92.826,862	2.525.847,898	27,210	26,747	52	64	85.301	16.168,497	216.628,711	13,398	12,935
3	15	98.927	89.876,376	2.433.021,036	27,071	26,607	53	65	84.180	15.453,877	200.460,213	12,972	12,508
4	16	98.891	87.015,908	2.343.144,659	26,928	26,464	54	66	82.968	14.751,879	185.006,336	12,541	12,078
5	17	98.857	84.247,762	2.256.128,751	26,780	26,316	55	67	81.658	14.062,004	170.254,457	12,107	11,644
6	18	98.822	81.566,771	2.171.880,989	26,627	26,163	56	68	80.223	13.380,023	156.192,453	11,674	11,210
7	19	98.782	78.967,370	2.090.314,218	26,471	26,007	57	69	78.685	12.710,318	142.812,430	11,236	10,772
8	20	98.742	76.451,072	2.011.346,848	26,309	25,845	58	70	77.009	12.048,020	130.102,112	10,799	10,335
9	21	98.700	74.012,433	1.934.895,777	26,143	25,679	59	71	75.191	11.393,306	118.054,092	10,362	9,898
10	22	98.666	71.658,498	1.860.883,344	25,969	25,505	60	72	73.194	10.741,675	106.660,786	9,930	9,466
11	23	98.630	69.377,594	1.789.224,845	25,790	25,326	61	73	71.065	10.100,977	95.919,111	9,496	9,032
12	24	98.590	67.166,559	1.719.847,251	25,606	25,142	62	74	68.781	9.468,613	85.818,133	9,063	8,600
13	25	98.551	65.026,192	1.652.680,692	25,416	24,952	63	75	66.310	8.841,118	76.349,520	8,636	8,172
14	26	98.514	62.955,701	1.587.654,500	25,219	24,755	64	76	63.658	8.220,281	67.508,402	8,212	7,749
15	27	98.468	60.945,729	1.524.698,799	25,017	24,554	65	77	60.839	7.609,048	59.288,121	7,792	7,328
16	28	98.416	58.996,218	1.463.753,071	24,811	24,347	66	78	57.829	7.004,924	51.679,073	7,378	6,914
17	29	98.349	57.100,355	1.404.756,853	24,602	24,138	67	79	54.620	6.407,978	44.674,149	6,972	6,508
18	30	98.270	55.258,797	1.347.656,498	24,388	23,924	68	80	51.202	5.817,854	38.266,171	6,577	6,114
19	31	98.164	53.461,312	1.292.397,700	24,174	23,711	69	81	47.556	5.233,518	32.448,317	6,200	5,736
20	32	98.050	51.718,326	1.238.936,389	23,955	23,492	70	82	43.749	4.662,975	27.214,799	5,836	5,373
21	33	97.940	50.034,510	1.187.218,062	23,728	23,264	71	83	39.755	4.103,873	22.551,824	5,495	5,032
22	34	97.824	48.402,229	1.137.183,553	23,494	23,031	72	84	35.744	3.573,680	18.447,952	5,162	4,699
23	35	97.705	46.821,366	1.088.781,324	23,254	22,790	73	85	31.714	3.070,985	14.874,272	4,843	4,380
24	36	97.582	45.290,759	1.041.959,958	23,006	22,542	74	86	27.837	2.610,734	11.803,287	4,521	4,057
25	37	97.456	43.808,528	996.669,199	22,751	22,287	75	87	23.968	2.177,112	9.192,553	4,222	3,759
26	38	97.325	42.372,532	952.860,671	22,488	22,024	76	88	20.165	1.774,029	7.015,441	3,955	3,491
27	39	97.188	40.980,736	910.488,138	22,217	21,754	77	89	16.639	1.417,760	5.241,412	3,697	3,233
28	40	97.040	39.630,660	869.507,402	21,940	21,477	78	90	13.397	1.105,581	3.823,652	3,458	2,995
29	41	96.885	38.321,625	829.876,742	21,656	21,192	79	91	10.527	841,374	2.718,071	3,231	2,767
30	42	96.721	37.052,608	791.555,117	21,363	20,899	80	92	7.985	618,083	1.876,697	3,036	2,573
31	43	96.542	35.819,755	754.502,509	21,064	20,600	81	93	5.873	440,324	1.258,613	2,858	2,395
32	44	96.340	34.619,866	718.682,754	20,759	20,296	82	94	4.183	303,768	818,289	2,694	2,230
33	45	96.127	33.456,030	684.062,888	20,447	19,983	83	95	2.869	201,772	514,521	2,550	2,086
34	46	95.891	32.323,165	650.606,858	20,128	19,665	84	96	1.900	129,389	312,749	2,417	1,953
35	47	95.627	31.219,658	618.283,693	19,804	19,341	85	97	1.212	79,963	183,360	2,293	1,829
36	48	95.341	30.146,575	587.064,035	19,474	19,010	86	98	746	47,689	103,397	2,168	1,705
37	49	95.032	29.102,865	556.917,460	19,136	18,673	87	99	438	27,088	55,708	2,057	1,593
38	50	94.688	28.084,985	527.814,595	18,793	18,330	88	100	244	14,605	28,619	1,960	1,496
39	51	94.319	27.094,840	499.729,610	18,444	17,980	89	101	129	7,483	14,014	1,873	1,409
40	52	93.912	26.128,761	472.634,770	18,089	17,625	90	102	65	3,642	6,531	1,793	1,329
41	53	93.467	25.186,350	446.506,009	17,728	17,264	91	103	31	1,682	2,888	1,718	1,254
42	54	92.995	24.270,342	421.319,659	17,359	16,896	92	104	14	0,731	1,207	1,651	1,187
43	55	92.467	23.372,959	397.049,317	16,988	16,524	93	105	6	0,299	0,476	1,590	1,126
44	56	91.889	22.495,698	373.676,357	16,611	16,147	94	106					
45	57	91.274	21.641,912	351.180,660	16,227	15,763	95	107					
46	58	90.587	20.802,930	329.538,748	15,841	15,377	96	108					
47	59	89.845	19.983,032	308.735,818	15,450	14,986	97	109					
48	60	89.053	19.183,464	288.752,786	15,052	14,589	98	110					
49	61	88.202	18.401,926	269.569,322	14,649	14,185	99	111					
							100	112					

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -13 Jahre

Zinsfuß 3,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	13	99.462	99.462,020	2.712.320,296	27,270	26,806	50	63	86.762	17.531,825	244.415,219	13,941	13,478
1	14	98.999	95.882,470	2.612.858,276	27,251	26,787	51	64	85.745	16.780,912	226.883,394	13,520	13,057
2	15	98.947	92.816,045	2.516.975,806	27,118	26,654	52	65	84.677	16.050,260	210.102,482	13,090	12,627
3	16	98.910	89.860,318	2.424.159,761	26,977	26,513	53	66	83.493	15.327,659	194.052,221	12,660	12,197
4	17	98.871	86.997,481	2.334.299,442	26,832	26,368	54	67	82.217	14.618,278	178.724,562	12,226	11,762
5	18	98.836	84.229,226	2.247.301,962	26,681	26,217	55	68	80.828	13.919,064	164.106,284	11,790	11,326
6	19	98.794	81.543,313	2.163.072,736	26,527	26,063	56	69	79.306	13.226,988	150.187,221	11,355	10,891
7	20	98.755	78.945,480	2.081.529,423	26,367	25,903	57	70	77.681	12.548,157	136.960,233	10,915	10,451
8	21	98.711	76.426,924	2.002.583,943	26,203	25,739	58	71	75.914	11.876,775	124.412,075	10,475	10,012
9	22	98.675	73.994,324	1.926.157,019	26,031	25,568	59	72	73.972	11.208,595	112.535,300	10,040	9,576
10	23	98.639	71.639,097	1.852.162,695	25,854	25,390	60	73	71.874	10.548,012	101.326,705	9,606	9,143
11	24	98.604	69.359,493	1.780.523,598	25,671	25,207	61	74	69.617	9.895,197	90.778,693	9,174	8,710
12	25	98.563	67.148,312	1.711.164,105	25,483	25,020	62	75	67.216	9.253,091	80.883,496	8,741	8,278
13	26	98.526	65.010,191	1.644.015,793	25,289	24,825	63	76	64.591	8.611,890	71.630,405	8,318	7,854
14	27	98.486	62.938,076	1.579.005,602	25,088	24,625	64	77	61.815	7.982,317	63.018,515	7,895	7,431
15	28	98.439	60.927,967	1.516.067,526	24,883	24,419	65	78	58.860	7.361,507	55.036,198	7,476	7,013
16	29	98.387	58.978,706	1.455.139,559	24,672	24,209	66	79	55.686	6.745,307	47.674,691	7,068	6,604
17	30	98.320	57.083,641	1.396.160,852	24,458	23,995	67	80	52.323	6.138,419	40.929,385	6,668	6,204
18	31	98.238	55.240,705	1.339.077,211	24,241	23,777	68	81	48.708	5.534,441	34.790,965	6,286	5,823
19	32	98.129	53.442,215	1.283.836,506	24,023	23,559	69	82	44.905	4.941,781	29.256,525	5,920	5,457
20	33	98.015	51.699,937	1.230.394,292	23,799	23,335	70	83	40.922	4.361,634	24.314,743	5,575	5,111
21	34	97.901	50.014,517	1.178.694,355	23,567	23,103	71	84	36.906	3.809,798	19.953,109	5,237	4,774
22	35	97.778	48.379,537	1.128.679,838	23,330	22,866	72	85	32.871	3.286,493	16.143,311	4,912	4,448
23	36	97.655	46.797,396	1.080.300,301	23,085	22,621	73	86	28.961	2.804,348	12.856,818	4,585	4,121
24	37	97.527	45.265,149	1.033.502,906	22,832	22,369	74	87	25.031	2.347,534	10.052,470	4,282	3,819
25	38	97.397	43.781,664	988.237,757	22,572	22,108	75	88	21.143	1.920,479	7.704,935	4,012	3,548
26	39	97.257	42.342,892	944.456,092	22,305	21,841	76	89	17.513	1.540,696	5.784,457	3,754	3,291
27	40	97.110	40.947,941	902.113,200	22,031	21,567	77	90	14.173	1.207,613	4.243,760	3,514	3,051
28	41	96.956	39.596,182	861.165,260	21,749	21,285	78	91	11.207	924,861	3.036,148	3,283	2,819
29	42	96.789	38.283,745	821.569,077	21,460	20,996	79	92	8.554	683,701	2.111,287	3,088	2,624
30	43	96.612	37.010,936	783.285,333	21,164	20,700	80	93	6.345	491,135	1.427,586	2,907	2,443
31	44	96.416	35.773,261	746.274,397	20,861	20,398	81	94	4.558	341,696	936,451	2,741	2,277
32	45	96.206	34.571,674	710.501,136	20,552	20,088	82	95	3.166	229,910	594,756	2,587	2,123
33	46	95.975	33.402,969	675.929,462	20,236	19,772	83	96	2.115	148,751	364,846	2,453	1,989
34	47	95.718	32.265,113	642.526,493	19,914	19,450	84	97	1.362	92,793	216,094	2,329	1,865
35	48	95.441	31.158,947	610.261,380	19,585	19,122	85	98	845	55,714	123,301	2,213	1,750
36	49	95.139	30.082,667	579.102,433	19,250	18,787	86	99	505	32,239	67,588	2,096	1,633
37	50	94.803	29.032,822	549.019,767	18,910	18,447	87	100	287	17,745	35,348	1,992	1,528
38	51	94.449	28.014,024	519.986,944	18,562	18,098	88	101	154	9,259	17,604	1,901	1,438
39	52	94.057	27.019,591	491.972,920	18,208	17,744	89	102	79	4,585	8,344	1,820	1,356
40	53	93.628	26.049,769	464.953,329	17,849	17,385	90	103	38	2,154	3,759	1,745	1,282
41	54	93.172	25.106,823	438.903,560	17,481	17,018	91	104	18	0,959	1,605	1,674	1,211
42	55	92.671	24.185,924	413.796,737	17,109	16,645	92	105	8	0,401	0,647	1,612	1,148
43	56	92.117	23.284,449	389.610,813	16,733	16,269	93	106					
44	57	91.520	22.405,384	366.326,364	16,350	15,886	94	107					
45	58	90.867	21.545,322	343.920,980	15,963	15,499	95	108					
46	59	90.151	20.702,751	322.375,658	15,572	15,108	96	109					
47	60	89.388	19.881,443	301.672,907	15,174	14,710	97	110					
48	61	88.563	19.077,874	281.791,465	14,771	14,307	98	111					
49	62	87.705	18.298,372	262.713,591	14,357	13,894	99	112					
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -14 Jahre

Zinsfuß 3,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	14	99.452	99.452,383	2.702.947,132	27,178	26,715	50	64	86.172	17.412,577	237.359,207	13,631	13,168
1	15	98.987	95.871,298	2.603.494,750	27,156	26,693	51	65	85.118	16.658,196	219.946,630	13,204	12,740
2	16	98.929	92.799,462	2.507.623,452	27,022	26,558	52	66	83.985	15.919,172	203.288,434	12,770	12,306
3	17	98.889	89.841,288	2.414.823,990	26,879	26,415	53	67	82.737	15.188,843	187.369,262	12,336	11,872
4	18	98.849	86.978,339	2.324.982,702	26,731	26,267	54	68	81.381	14.469,683	172.180,419	11,899	11,436
5	19	98.807	84.205,002	2.238.004,362	26,578	26,114	55	69	79.904	13.759,863	157.710,736	11,462	10,998
6	20	98.766	81.520,709	2.153.799,360	26,420	25,957	56	70	78.294	13.058,236	143.950,873	11,024	10,560
7	21	98.723	78.920,544	2.072.278,651	26,258	25,794	57	71	76.577	12.369,804	130.892,637	10,582	10,118
8	22	98.687	76.408,225	1.993.358,107	26,088	25,625	58	72	74.683	11.684,225	118.522,833	10,144	9,680
9	23	98.649	73.974,291	1.916.949,882	25,914	25,450	59	73	72.638	11.006,514	106.838,608	9,707	9,243
10	24	98.614	71.620,406	1.842.975,592	25,733	25,269	60	74	70.410	10.333,124	95.832,094	9,274	8,811
11	25	98.578	69.340,650	1.771.355,185	25,546	25,082	61	75	68.033	9.669,965	85.498,969	8,842	8,378
12	26	98.539	67.131,789	1.702.014,536	25,353	24,890	62	76	65.473	9.013,182	75.829,004	8,413	7,949
13	27	98.499	64.991,991	1.634.882,747	25,155	24,692	63	77	62.721	8.362,590	66.815,823	7,990	7,526
14	28	98.457	62.919,734	1.569.890,756	24,951	24,487	64	78	59.804	7.722,632	58.453,233	7,569	7,105
15	29	98.410	60.909,882	1.506.971,022	24,741	24,277	65	79	56.679	7.088,674	50.730,600	7,157	6,693
16	30	98.358	58.961,443	1.446.061,140	24,526	24,062	66	80	53.343	6.461,557	43.641,927	6,754	6,290
17	31	98.288	57.064,951	1.387.099,697	24,307	23,844	67	81	49.774	5.839,390	37.180,369	6,367	5,904
18	32	98.203	55.220,972	1.330.034,746	24,086	23,622	68	82	45.993	5.225,929	31.340,979	5,997	5,534
19	33	98.094	53.423,212	1.274.813,774	23,863	23,399	69	83	42.003	4.622,423	26.115,049	5,650	5,186
20	34	97.976	51.679,279	1.221.390,562	23,634	23,170	70	84	37.989	4.049,088	21.492,626	5,308	4,844
21	35	97.855	49.991,069	1.169.711,283	23,398	22,935	71	85	33.940	3.503,636	17.443,538	4,979	4,515
22	36	97.728	48.354,769	1.119.720,214	23,156	22,693	72	86	30.017	3.001,145	13.939,901	4,645	4,181
23	37	97.599	46.770,933	1.071.365,445	22,907	22,443	73	87	26.041	2.521,629	10.938,757	4,338	3,874
24	38	97.467	45.237,392	1.024.594,512	22,649	22,186	74	88	22.080	2.070,813	8.417,127	4,065	3,601
25	39	97.328	43.751,038	979.357,120	22,385	21,921	75	89	18.362	1.667,884	6.346,315	3,805	3,341
26	40	97.179	42.309,007	935.606,082	22,114	21,650	76	90	14.917	1.312,327	4.678,431	3,565	3,101
27	41	97.025	40.912,317	893.297,075	21,834	21,371	77	91	11.856	1.010,214	3.366,104	3,332	2,868
28	42	96.860	39.557,042	852.384,759	21,548	21,085	78	92	9.107	751,542	2.355,890	3,135	2,671
29	43	96.680	38.240,688	812.827,716	21,256	20,792	79	93	6.797	543,276	1.604,348	2,953	2,489
30	44	96.487	36.962,895	774.587,029	20,956	20,492	80	94	4.923	381,125	1.061,073	2,784	2,320
31	45	96.282	35.723,464	737.624,133	20,648	20,185	81	95	3.449	258,616	679,947	2,629	2,166
32	46	96.053	34.516,843	701.900,670	20,335	19,871	82	96	2.334	169,495	421,332	2,486	2,022
33	47	95.802	33.342,978	667.383,826	20,016	19,552	83	97	1.517	106,679	251,837	2,361	1,897
34	48	95.532	32.202,369	634.040,848	19,689	19,226	84	98	949	64,653	145,158	2,245	1,782
35	49	95.239	31.092,892	601.838,480	19,356	18,893	85	99	571	37,664	80,505	2,137	1,674
36	50	94.910	30.010,266	570.745,588	19,018	18,555	86	100	331	21,119	42,841	2,029	1,565
37	51	94.563	28.959,467	540.735,322	18,672	18,209	87	101	182	11,249	21,721	1,931	1,467
38	52	94.187	27.936,223	511.775,855	18,319	17,856	88	102	95	5,673	10,472	1,846	1,382
39	53	93.773	26.937,905	483.839,632	17,961	17,498	89	103	47	2,712	4,799	1,770	1,306
40	54	93.332	25.967,516	456.901,727	17,595	17,132	90	104	22	1,228	2,087	1,700	1,236
41	55	92.848	25.019,495	430.934,211	17,224	16,760	91	105	10	0,526	0,859	1,633	1,170
42	56	92.320	24.094,335	405.914,716	16,847	16,383	92	106					
43	57	91.747	23.190,969	381.820,381	16,464	16,001	93	107					
44	58	91.111	22.305,387	358.629,412	16,078	15,615	94	108					
45	59	90.429	21.441,568	336.324,025	15,686	15,222	95	109					
46	60	89.693	20.597,503	314.882,458	15,287	14,824	96	110					
47	61	88.896	19.772,010	294.284,955	14,884	14,420	97	111					
48	62	88.065	18.970,516	274.512,945	14,471	14,007	98	112					
49	63	87.153	18.183,222	255.542,429	14,054		99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -15 Jahre

Zinsfuß 3,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	15	99.441	99.440,794	2.693.080,230	27,082	26,619	50	65	85.542	17.285,242	230.002,377	13,306	12,843
1	16	98.969	95.854,169	2.593.639,436	27,058	26,595	51	66	84.423	16.522,143	212.717,135	12,875	12,411
2	17	98.908	92.779,809	2.497.785,268	26,922	26,458	52	67	83.225	15.774,998	196.194,993	12,437	11,973
3	18	98.867	89.821,521	2.405.005,459	26,775	26,312	53	68	81.896	15.034,448	180.419,994	12,000	11,537
4	19	98.820	86.953,325	2.315.183,937	26,626	26,162	54	69	80.450	14.304,185	165.385,546	11,562	11,098
5	20	98.780	84.181,660	2.228.230,612	26,469	26,006	55	70	78.884	13.584,313	151.081,361	11,122	10,658
6	21	98.735	81.494,960	2.144.048,952	26,309	25,845	56	71	77.181	12.872,632	137.497,048	10,681	10,218
7	22	98.699	78.901,235	2.062.553,992	26,141	25,677	57	72	75.335	12.169,261	124.624,416	10,241	9,777
8	23	98.660	76.387,538	1.983.652,758	25,968	25,505	58	73	73.337	11.473,569	112.455,155	9,801	9,338
9	24	98.623	73.954,990	1.907.265,220	25,790	25,326	59	74	71.158	10.782,285	100.981,586	9,366	8,902
10	25	98.587	71.600,949	1.833.310,229	25,605	25,141	60	75	68.807	10.097,925	90.199,300	8,932	8,469
11	26	98.553	69.323,587	1.761.709,281	25,413	24,949	61	76	66.269	9.419,247	80.101,376	8,504	8,040
12	27	98.512	67.112,995	1.692.385,693	25,217	24,753	62	77	63.578	8.752,265	70.682,129	8,076	7,612
13	28	98.470	64.973,050	1.625.272,699	25,015	24,551	63	78	60.681	8.090,534	61.929,864	7,655	7,191
14	29	98.428	62.901,058	1.560.299,649	24,806	24,342	64	79	57.587	7.436,415	53.839,330	7,240	6,776
15	30	98.381	60.892,054	1.497.398,591	24,591	24,127	65	80	54.294	6.790,481	46.402,915	6,834	6,370
16	31	98.326	58.942,138	1.436.506,537	24,371	23,908	66	81	50.745	6.146,787	39.612,434	6,444	5,981
17	32	98.253	57.044,567	1.377.564,400	24,149	23,685	67	82	46.999	5.513,880	33.465,648	6,069	5,606
18	33	98.168	55.201,337	1.320.519,832	23,922	23,458	68	83	43.020	4.888,208	27.951,768	5,718	5,255
19	34	98.055	53.401,865	1.265.318,496	23,694	23,231	69	84	38.993	4.291,190	23.063,559	5,375	4,911
20	35	97.930	51.655,050	1.211.916,630	23,462	22,998	70	85	34.936	3.723,697	18.772,369	5,041	4,578
21	36	97.805	49.965,476	1.160.261,580	23,221	22,758	71	86	30.993	3.199,434	15.048,672	4,704	4,240
22	37	97.673	48.327,426	1.110.296,104	22,974	22,511	72	87	26.991	2.698,586	11.849,237	4,391	3,927
23	38	97.540	46.742,253	1.061.968,678	22,720	22,256	73	88	22.971	2.224,386	9.150,651	4,114	3,650
24	39	97.399	45.205,747	1.015.226,425	22,458	21,994	74	89	19.176	1.798,445	6.926,266	3,851	3,388
25	40	97.251	43.716,026	970.020,678	22,189	21,726	75	90	15.640	1.420,662	5.127,821	3,609	3,146
26	41	97.095	42.272,199	926.304,652	21,913	21,449	76	91	12.479	1.097,811	3.707,159	3,377	2,913
27	42	96.930	40.871,875	884.032,453	21,629	21,166	77	92	9.634	820,900	2.609,347	3,179	2,715
28	43	96.751	39.512,553	843.160,578	21,339	20,875	78	93	7.237	597,183	1.788,448	2,995	2,531
29	44	96.555	38.191,051	803.648,024	21,043	20,579	79	94	5.275	421,587	1.191,265	2,826	2,362
30	45	96.352	36.911,442	765.456,974	20,738	20,274	80	95	3.726	288,458	769,678	2,668	2,205
31	46	96.129	35.666,806	728.545,531	20,426	19,963	81	96	2.543	190,657	481,220	2,524	2,060
32	47	95.881	34.454,852	692.878,725	20,110	19,646	82	97	1.674	121,556	290,562	2,390	1,927
33	48	95.616	33.278,137	658.423,873	19,785	19,322	83	98	1.057	74,328	169,006	2,274	1,810
34	49	95.330	32.134,102	625.145,736	19,454	18,991	84	99	642	43,707	94,678	2,166	1,703
35	50	95.009	31.018,060	593.011,634	19,118	18,655	85	100	374	24,673	50,971	2,066	1,602
36	51	94.670	29.934,441	561.993,574	18,774	18,311	86	101	210	13,388	26,298	1,964	1,501
37	52	94.301	28.879,040	532.059,133	18,424	17,960	87	102	111	6,893	12,910	1,873	1,409
38	53	93.902	27.851,766	503.180,093	18,066	17,603	88	103	56	3,355	6,017	1,794	1,330
39	54	93.477	26.852,848	475.328,327	17,701	17,238	89	104	27	1,546	2,662	1,722	1,259
40	55	93.008	25.877,194	448.475,480	17,331	16,867	90	105	12	0,674	1,116	1,656	1,193
41	56	92.496	24.924,750	422.598,285	16,955	16,491	91	106					
42	57	91.950	23.997,603	397.673,535	16,571	16,108	92	107					
43	58	91.337	23.087,465	373.675,932	16,185	15,722	93	108					
44	59	90.673	22.197,972	350.588,467	15,794	15,330	94	109					
45	60	89.970	21.332,563	328.390,495	15,394	14,930	95	110					
46	61	89.199	20.484,129	307.057,931	14,990	14,526	96	111					
47	62	88.396	19.660,746	286.573,802	14,576	14,112	97	112					
48	63	87.511	18.851,136	266.913,056	14,159	13,695	98						
49	64	86.560	18.059,543	248.061,920	13,736	13,272	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -16 Jahre

Zinsfuß 3,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	16	99.423	99.423,027	2.682.710,136	26,983	26,519	50	66	84.843	17.144,067	222.348,244	12,969	12,506
1	17	98.948	95.833,869	2.583.287,109	26,956	26,492	51	67	83.658	16.372,509	205.204,178	12,533	12,070
2	18	98.887	92.759,396	2.487.453,240	26,816	26,353	52	68	82.379	15.614,646	188.831,669	12,093	11,630
3	19	98.838	89.795,689	2.394.693,844	26,668	26,205	53	69	80.959	14.862,491	173.217,023	11,655	11,191
4	20	98.793	86.929,221	2.304.898,155	26,515	26,051	54	70	79.424	14.121,690	158.354,533	11,214	10,750
5	21	98.749	84.155,070	2.217.968,934	26,356	25,892	55	71	77.763	13.391,232	144.232,843	10,771	10,307
6	22	98.711	81.475,021	2.133.813,863	26,190	25,726	56	72	75.930	12.663,938	130.841,611	10,332	9,868
7	23	98.673	78.879,873	2.052.338,843	26,019	25,555	57	73	73.977	11.949,860	118.177,674	9,889	9,426
8	24	98.635	76.367,608	1.973.458,970	25,842	25,378	58	74	71.843	11.239,826	106.227,814	9,451	8,987
9	25	98.596	73.934,898	1.897.091,362	25,659	25,195	59	75	69.538	10.536,862	94.987,988	9,015	8,551
10	26	98.563	71.583,330	1.823.156,464	25,469	25,005	60	76	67.023	9.836,111	84.451,126	8,586	8,122
11	27	98.526	69.304,179	1.751.573,133	25,274	24,810	61	77	64.351	9.146,575	74.615,015	8,158	7,694
12	28	98.483	67.093,436	1.682.268,954	25,074	24,610	62	78	61.509	8.467,532	65.468,440	7,732	7,268
13	29	98.441	64.953,764	1.615.175,518	24,867	24,403	63	79	58.432	7.790,681	57.000,909	7,317	6,853
14	30	98.399	62.882,646	1.550.221,754	24,653	24,189	64	80	55.165	7.123,594	49.210,227	6,908	6,444
15	31	98.349	60.872,116	1.487.339,107	24,434	23,970	65	81	51.649	6.459,687	42.086,633	6,515	6,052
16	32	98.291	58.921,083	1.426.466,991	24,210	23,746	66	82	47.916	5.804,141	35.626,947	6,138	5,675
17	33	98.218	57.024,283	1.367.545,908	23,982	23,518	67	83	43.962	5.157,550	29.822,806	5,782	5,319
18	34	98.129	55.179,280	1.310.521,624	23,750	23,287	68	84	39.938	4.537,929	24.665,255	5,435	4,972
19	35	98.009	53.376,830	1.255.342,345	23,518	23,055	69	85	35.860	3.946,343	20.127,326	5,100	4,637
20	36	97.879	51.628,605	1.201.965,515	23,281	22,817	70	86	31.903	3.400,389	16.180,983	4,759	4,295
21	37	97.750	49.937,222	1.150.336,910	23,036	22,572	71	87	27.869	2.876,885	12.780,594	4,443	3,979
22	38	97.613	48.297,791	1.100.399,687	22,784	22,320	72	88	23.809	2.380,483	9.903,708	4,160	3,697
23	39	97.471	46.709,556	1.052.101,897	22,524	22,061	73	89	19.950	1.931,819	7.523,225	3,894	3,431
24	40	97.321	45.169,571	1.005.392,341	22,258	21,795	74	90	16.334	1.531,871	5.591,406	3,650	3,186
25	41	97.166	43.677,994	960.222,770	21,984	21,521	75	91	13.084	1.188,438	4.059,536	3,416	2,952
26	42	96.999	42.230,413	916.544,776	21,703	21,240	76	92	10.140	892,081	2.871,098	3,218	2,755
27	43	96.821	40.825,908	874.314,363	21,416	20,952	77	93	7.656	652,295	1.979,016	3,034	2,570
28	44	96.626	39.461,265	833.488,455	21,122	20,658	78	94	5.616	463,419	1.326,721	2,863	2,399
29	45	96.420	38.137,888	794.027,190	20,820	20,356	79	95	3.992	319,082	863,302	2,706	2,242
30	46	96.200	36.852,901	755.889,301	20,511	20,047	80	96	2.747	212,658	544,220	2,559	2,096
31	47	95.957	35.602,749	719.036,401	20,196	19,732	81	97	1.824	136,733	331,562	2,425	1,961
32	48	95.694	34.387,849	683.433,651	19,874	19,411	82	98	1.166	84,693	194,829	2,300	1,837
33	49	95.413	33.207,590	649.045,802	19,545	19,081	83	99	714	50,248	110,135	2,192	1,728
34	50	95.100	32.056,764	615.838,212	19,211	18,747	84	100	420	28,632	59,888	2,092	1,628
35	51	94.769	30.939,689	583.781,448	18,868	18,405	85	101	237	15,641	31,256	1,998	1,535
36	52	94.407	29.851,306	552.841,759	18,520	18,056	86	102	128	8,203	15,615	1,904	1,440
37	53	94.016	28.791,733	522.990,453	18,165	17,701	87	103	66	4,076	7,412	1,818	1,355
38	54	93.606	27.763,823	494.198,721	17,800	17,336	88	104	32	1,913	3,335	1,744	1,280
39	55	93.151	26.759,447	466.434,898	17,431	16,967	89	105	15	0,848	1,423	1,677	1,213
40	56	92.656	25.779,201	439.675,451	17,055	16,592	90	106					
41	57	92.125	24.824,684	413.896,250	16,673	16,209	91	107					
42	58	91.539	23.890,500	389.071,566	16,286	15,822	92	108					
43	59	90.898	22.976,285	365.181,066	15,894	15,430	93	109					
44	60	90.212	22.085,123	342.204,782	15,495	15,031	94	110					
45	61	89.474	21.215,143	320.119,659	15,089	14,626	95	111					
46	62	88.697	20.368,858	298.904,516	14,675	14,211	96	112					
47	63	87.840	19.537,023	278.535,658	14,257	13,793	97						
48	64	86.915	18.722,914	258.998,635	13,833	13,370	98						
49	65	85.927	17.927,477	240.275,721	13,403	12,939	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -17 Jahre

Zinsfuß 3,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	17	99.402	99.401,972	2.671.831,901	26,879	26,415	50	67	84.075	16.988,800	214.406,858	12,620	12,157
1	18	98.927	95.812,784	2.572.429,930	26,849	26,385	51	68	82.808	16.206,082	197.418,058	12,182	11,718
2	19	98.858	92.732,719	2.476.617,146	26,707	26,243	52	69	81.437	15.436,052	181.211,976	11,740	11,276
3	20	98.811	89.770,797	2.383.884,427	26,555	26,092	53	70	79.926	14.672,873	165.775,924	11,298	10,834
4	21	98.762	86.901,764	2.294.113,629	26,399	25,935	54	71	78.295	13.920,971	151.103,051	10,854	10,391
5	22	98.724	84.134,480	2.207.211,865	26,234	25,771	55	72	76.502	13.174,129	137.182,081	10,413	9,949
6	23	98.684	81.452,962	2.123.077,385	26,065	25,601	56	73	74.561	12.435,618	124.007,951	9,972	9,508
7	24	98.647	78.859,293	2.041.624,423	25,889	25,426	57	74	72.470	11.706,413	111.572,333	9,531	9,067
8	25	98.608	76.346,861	1.962.765,131	25,709	25,245	58	75	70.208	10.983,988	99.865,920	9,092	8,628
9	26	98.572	73.916,706	1.886.418,270	25,521	25,057	59	76	67.735	10.263,667	88.881,932	8,660	8,196
10	27	98.535	71.563,290	1.812.501,564	25,327	24,864	60	77	65.083	9.551,371	78.618,265	8,231	7,767
11	28	98.497	69.283,982	1.740.938,275	25,128	24,664	61	78	62.257	8.849,014	69.066,894	7,805	7,341
12	29	98.454	67.073,521	1.671.654,293	24,923	24,459	62	79	59.230	8.153,707	60.217,880	7,385	6,922
13	30	98.412	64.934,752	1.604.580,772	24,711	24,247	63	80	55.974	7.462,957	52.064,172	6,976	6,513
14	31	98.367	62.862,058	1.539.646,020	24,492	24,029	64	81	52.478	6.776,573	44.601,215	6,582	6,118
15	32	98.314	60.850,372	1.476.783,962	24,269	23,805	65	82	48.770	6.099,599	37.824,642	6,201	5,738
16	33	98.256	58.900,132	1.415.933,590	24,040	23,576	66	83	44.820	5.429,053	31.725,044	5,844	5,380
17	34	98.179	57.001,498	1.357.033,458	23,807	23,343	67	84	40.812	4.787,971	26.295,990	5,492	5,028
18	35	98.083	55.153,411	1.300.031,960	23,571	23,108	68	85	36.728	4.173,255	21.508,019	5,154	4,690
19	36	97.958	53.349,503	1.244.878,549	23,334	22,871	69	86	32.746	3.603,704	17.334,765	4,810	4,347
20	37	97.824	51.599,411	1.191.529,046	23,092	22,628	70	87	28.687	3.057,581	13.731,061	4,491	4,027
21	38	97.690	49.906,600	1.139.929,635	22,841	22,378	71	88	24.584	2.537,765	10.673,481	4,206	3,742
22	39	97.545	48.264,006	1.090.023,035	22,585	22,121	72	89	20.678	2.067,385	8.135,716	3,935	3,472
23	40	97.393	46.672,176	1.041.759,029	22,321	21,857	73	90	16.993	1.645,475	6.068,331	3,688	3,224
24	41	97.237	45.130,274	995.086,853	22,049	21,586	74	91	13.664	1.281,468	4.422,855	3,451	2,988
25	42	97.070	43.634,819	949.956,579	21,771	21,307	75	92	10.632	965,725	3.141,387	3,253	2,789
26	43	96.890	42.182,918	906.321,760	21,486	21,022	76	93	8.058	708,857	2.175,662	3,069	2,606
27	44	96.695	40.772,915	864.138,842	21,194	20,730	77	94	5.941	506,187	1.466,806	2,898	2,434
28	45	96.491	39.406,335	823.365,927	20,894	20,431	78	95	4.250	350,743	960,618	2,739	2,275
29	46	96.267	38.077,401	783.959,592	20,589	20,125	79	96	2.943	235,235	609,875	2,593	2,129
30	47	96.027	36.786,713	745.882,191	20,276	19,812	80	97	1.970	152,511	374,640	2,456	1,993
31	48	95.770	35.533,514	709.095,477	19,956	19,492	81	98	1.271	95,268	222,130	2,332	1,868
32	49	95.492	34.314,949	673.561,963	19,629	19,165	82	99	788	57,255	126,862	2,216	1,752
33	50	95.184	33.127,669	639.247,014	19,296	18,833	83	100	468	32,916	69,607	2,115	1,651
34	51	94.860	31.975,768	606.119,345	18,956	18,492	84	101	266	18,151	36,690	2,021	1,558
35	52	94.506	30.853,762	574.143,577	18,609	18,145	85	102	145	9,583	18,540	1,935	1,471
36	53	94.122	29.761,059	543.289,815	18,255	17,791	86	103	76	4,851	8,956	1,846	1,382
37	54	93.719	28.700,821	513.528,755	17,892	17,429	87	104	38	2,324	4,105	1,766	1,303
38	55	93.280	27.667,253	484.827,934	17,524	17,060	88	105	18	1,050	1,781	1,696	1,233
39	56	92.799	26.658,113	457.160,681	17,149	16,685	89						
40	57	92.284	25.675,705	430.502,568	16,767	16,303	90						
41	58	91.714	24.713,889	404.826,863	16,381	15,917	91						
42	59	91.099	23.775,452	380.112,974	15,988	15,524	92						
43	60	90.435	22.859,478	356.337,522	15,588	15,125	93						
44	61	89.715	21.963,560	333.478,044	15,183	14,720	94						
45	62	88.971	21.095,758	311.514,483	14,767	14,303	95						
46	63	88.139	20.240,679	290.418,725	14,348	13,885	96						
47	64	87.242	19.404,135	270.178,046	13,924	13,460	97						
48	65	86.280	18.585,997	250.773,911	13,493	13,029	98						
49	66	85.226	17.781,056	232.187,914	13,058		99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -18 Jahre

Zinsfuß 3,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	18	99.380	99.380,101	2.660.437,801	26,770	26,307	50	68	83.220	16.816,109	206.189,259	12,261	11,798
1	19	98.898	95.785,229	2.561.057,700	26,738	26,274	51	69	81.861	16.020,724	189.373,150	11,821	11,357
2	20	98.831	92.707,013	2.465.272,471	26,592	26,128	52	70	80.398	15.239,116	173.352,426	11,375	10,912
3	21	98.780	89.742,443	2.372.565,458	26,437	25,974	53	71	78.790	14.464,319	158.113,310	10,931	10,468
4	22	98.738	86.880,502	2.282.823,015	26,275	25,812	54	72	77.025	13.695,280	143.648,991	10,489	10,025
5	23	98.698	84.111,702	2.195.942,514	26,107	25,644	55	73	75.123	12.936,611	129.953,711	10,045	9,582
6	24	98.658	81.431,710	2.111.830,812	25,934	25,470	56	74	73.042	12.182,275	117.017,099	9,606	9,142
7	25	98.620	78.837,868	2.030.399,102	25,754	25,290	57	75	70.820	11.439,955	104.834,824	9,164	8,700
8	26	98.584	76.328,074	1.951.561,233	25,568	25,104	58	76	68.387	10.699,200	93.394,869	8,729	8,266
9	27	98.544	73.896,012	1.875.233,159	25,377	24,913	59	77	65.775	9.966,551	82.695,669	8,297	7,834
10	28	98.506	71.542,434	1.801.337,147	25,179	24,715	60	78	62.966	9.240,641	72.729,118	7,871	7,407
11	29	98.468	69.263,417	1.729.794,713	24,974	24,511	61	79	59.950	8.521,051	63.488,476	7,451	6,987
12	30	98.425	67.053,888	1.660.531,297	24,764	24,301	62	80	56.738	7.810,712	54.967,425	7,037	6,574
13	31	98.380	64.913,491	1.593.477,409	24,548	24,084	63	81	53.247	7.099,404	47.156,713	6,642	6,179
14	32	98.332	62.839,603	1.528.563,917	24,325	23,861	64	82	49.552	6.398,820	40.057,309	6,260	5,796
15	33	98.279	60.828,735	1.465.724,315	24,096	23,632	65	83	45.619	5.705,417	33.658,489	5,899	5,436
16	34	98.216	58.876,597	1.404.895,579	23,862	23,398	66	84	41.608	5.040,019	27.953,072	5,546	5,083
17	35	98.133	56.974,774	1.346.018,982	23,625	23,161	67	85	37.532	4.403,202	22.913,053	5,204	4,740
18	36	98.033	55.125,174	1.289.044,208	23,384	22,920	68	86	33.539	3.810,913	18.509,851	4,857	4,393
19	37	97.903	53.319,336	1.233.919,033	23,142	22,678	69	87	29.445	3.240,398	14.698,937	4,536	4,073
20	38	97.764	51.567,770	1.180.599,697	22,894	22,431	70	88	25.305	2.697,160	11.458,539	4,248	3,785
21	39	97.621	49.871,690	1.129.031,928	22,639	22,175	71	89	21.350	2.203,980	8.761,379	3,975	3,512
22	40	97.467	48.225,382	1.079.160,238	22,377	21,914	72	90	17.613	1.760,948	6.557,399	3,724	3,260
23	41	97.309	46.631,572	1.030.934,856	22,108	21,644	73	91	14.215	1.376,503	4.796,451	3,485	3,021
24	42	97.140	45.085,664	984.303,284	21,832	21,368	74	92	11.103	1.041,321	3.419,949	3,284	2,821
25	43	96.961	43.585,744	939.217,620	21,549	21,085	75	93	8.448	767,375	2.378,628	3,100	2,636
26	44	96.764	42.128,163	895.631,876	21,260	20,796	76	94	6.253	550,079	1.611,253	2,929	2,466
27	45	96.560	40.716,159	853.503,713	20,962	20,499	77	95	4.496	383,113	1.061,174	2,770	2,306
28	46	96.338	39.343,836	812.787,554	20,659	20,195	78	96	3.133	258,576	678,061	2,622	2,159
29	47	96.094	38.009,015	773.443,718	20,349	19,885	79	97	2.111	168,702	419,485	2,487	2,023
30	48	95.840	36.715,176	735.434,703	20,031	19,567	80	98	1.373	106,261	250,783	2,360	1,896
31	49	95.567	35.458,186	698.719,526	19,705	19,242	81	99	859	64,404	144,522	2,244	1,780
32	50	95.262	34.232,363	663.261,341	19,375	18,912	82	100	517	37,506	80,118	2,136	1,672
33	51	94.943	33.043,967	629.028,978	19,036	18,572	83	101	297	20,867	42,612	2,042	1,578
34	52	94.597	31.886,964	595.985,011	18,691	18,227	84	102	163	11,121	21,744	1,955	1,492
35	53	94.220	30.760,485	564.098,047	18,338	17,875	85	103	86	5,668	10,623	1,874	1,411
36	54	93.825	29.667,088	533.337,562	17,977	17,514	86	104	43	2,766	4,956	1,792	1,328
37	55	93.393	28.600,993	503.670,475	17,610	17,147	87	105	21	1,275	2,190	1,717	1,253
38	56	92.927	27.562,481	475.069,481	17,236	16,772	88	106					
39	57	92.426	26.551,088	447.507,000	16,855	16,391	89	107					
40	58	91.872	25.561,112	420.955,912	16,469	16,005	90	108					
41	59	91.272	24.594,876	395.394,801	16,076	15,613	91	109					
42	60	90.635	23.654,583	370.799,924	15,676	15,212	92	110					
43	61	89.938	22.733,654	347.145,341	15,270	14,806	93	111					
44	62	89.210	21.839,964	324.411,688	14,854	14,390	94	112					
45	63	88.411	20.963,005	302.571,724	14,434	13,970	95						
46	64	87.539	20.103,005	281.608,719	14,008	13,545	96						
47	65	86.604	19.262,236	261.505,714	13,576	13,112	97						
48	66	85.575	18.434,198	242.243,478	13,141	12,677	98						
49	67	84.454	17.620,021	223.809,280	12,702	12,238	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -19 Jahre

Zinsfuß 3,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	19	99.352	99.351,520	2.648.517,562	26,658	26,194	50	69	82.268	16.623,774	197.710,624	11,893	11,430
1	20	98.871	95.758,677	2.549.166,042	26,621	26,157	51	70	80.816	15.816,329	181.086,850	11,449	10,986
2	21	98.800	92.677,731	2.453.407,365	26,472	26,009	52	71	79.255	15.022,514	165.270,522	11,002	10,538
3	22	98.756	89.720,485	2.360.729,634	26,312	25,848	53	72	77.513	14.229,820	150.248,007	10,559	10,095
4	23	98.711	86.856,980	2.271.009,149	26,147	25,683	54	73	75.637	13.448,366	136.018,188	10,114	9,650
5	24	98.672	84.089,756	2.184.152,169	25,974	25,510	55	74	73.593	12.673,062	122.569,821	9,672	9,208
6	25	98.632	81.409,587	2.100.062,413	25,796	25,333	56	75	71.379	11.904,986	109.896,759	9,231	8,768
7	26	98.596	78.818,469	2.018.652,826	25,611	25,148	57	76	68.984	11.143,345	97.991,773	8,794	8,330
8	27	98.556	76.306,705	1.939.834,357	25,422	24,958	58	77	66.408	10.389,476	86.848,428	8,359	7,896
9	28	98.516	73.874,476	1.863.527,652	25,226	24,762	59	78	63.635	9.642,314	76.458,952	7,930	7,466
10	29	98.477	71.521,199	1.789.653,175	25,023	24,559	60	79	60.632	8.898,164	66.816,638	7,509	7,045
11	30	98.439	69.243,143	1.718.131,977	24,813	24,349	61	80	57.428	8.162,603	57.918,474	7,096	6,632
12	31	98.393	67.031,933	1.648.888,834	24,599	24,135	62	81	53.974	7.430,218	49.755,871	6,696	6,233
13	32	98.345	64.890,303	1.581.856,900	24,377	23,914	63	82	50.279	6.703,656	42.325,653	6,314	5,850
14	33	98.297	62.817,258	1.516.966,597	24,149	23,685	64	83	46.350	5.985,302	35.621,997	5,952	5,488
15	34	98.239	60.804,430	1.454.149,339	23,915	23,452	65	84	42.350	5.296,579	29.636,695	5,595	5,132
16	35	98.170	58.848,995	1.393.344,909	23,677	23,213	66	85	38.264	4.634,995	24.340,116	5,251	4,788
17	36	98.082	56.945,606	1.334.495,914	23,435	22,971	67	86	34.273	4.020,896	19.705,121	4,901	4,437
18	37	97.977	55.094,003	1.277.550,308	23,189	22,725	68	87	30.158	3.426,718	15.684,225	4,577	4,113
19	38	97.843	53.286,640	1.222.456,305	22,941	22,478	69	88	25.974	2.858,428	12.257,507	4,288	3,825
20	39	97.696	51.531,697	1.169.169,665	22,688	22,225	70	89	21.977	2.342,411	9.399,079	4,013	3,549
21	40	97.543	49.831,779	1.117.637,968	22,428	21,965	71	90	18.186	1.877,296	7.056,668	3,759	3,295
22	41	97.382	48.183,427	1.067.806,189	22,161	21,698	72	91	14.734	1.473,100	5.179,373	3,516	3,052
23	42	97.212	46.585,477	1.019.622,762	21,887	21,424	73	92	11.551	1.118,546	3.706,273	3,313	2,850
24	43	97.031	45.034,957	973.037,285	21,606	21,143	74	93	8.823	827,444	2.587,727	3,127	2,664
25	44	96.835	43.529,169	928.002,328	21,319	20,855	75	94	6.556	595,490	1.760,283	2,956	2,492
26	45	96.629	42.069,521	884.473,159	21,024	20,560	76	95	4.732	416,333	1.164,793	2,798	2,334
27	46	96.407	40.651,583	842.403,638	20,723	20,259	77	96	3.315	282,440	748,460	2,650	2,186
28	47	96.165	39.273,175	801.752,055	20,415	19,951	78	97	2.247	185,442	466,021	2,513	2,049
29	48	95.908	37.935,101	762.478,880	20,100	19,636	79	98	1.471	117,542	280,579	2,387	1,923
30	49	95.637	36.637,343	724.543,779	19,776	19,312	80	99	928	71,836	163,037	2,270	1,806
31	50	95.337	35.372,848	687.906,436	19,447	18,984	81	100	563	42,189	91,201	2,162	1,698
32	51	95.021	34.145,870	652.533,589	19,110	18,647	82	101	327	23,777	49,012	2,061	1,598
33	52	94.680	32.952,196	618.387,718	18,766	18,303	83	102	182	12,785	25,235	1,974	1,510
34	53	94.311	31.790,563	585.435,522	18,415	17,952	84	103	97	6,577	12,450	1,893	1,429
35	54	93.923	30.663,357	553.644,959	18,056	17,592	85	104	49	3,231	5,873	1,818	1,354
36	55	93.498	29.563,898	522.981,602	17,690	17,226	86	105	24	1,518	2,642	1,740	1,277
37	56	93.039	28.492,685	493.417,704	17,317	16,854	87	106					
38	57	92.554	27.451,826	464.925,019	16,936	16,472	88	107					
39	58	92.014	26.432,588	437.473,193	16,551	16,087	89	108					
40	59	91.429	25.438,019	411.040,605	16,159	15,695	90	109					
41	60	90.808	24.469,841	385.602,586	15,758	15,295	91	110					
42	61	90.137	23.524,382	361.132,745	15,351	14,888	92	111					
43	62	89.432	22.605,724	337.608,363	14,935	14,471	93	112					
44	63	88.649	21.702,527	315.002,639	14,515	14,051	94						
45	64	87.810	20.820,418	293.300,112	14,087	13,624	95						
46	65	86.899	19.955,995	272.479,694	13,654	13,190	96						
47	66	85.897	19.104,915	252.523,699	13,218	12,754	97						
48	67	84.800	18.267,247	233.418,784	12,778	12,314	98						
49	68	83.595	17.440,913	215.151,537	12,336	11,872	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -20 Jahre

Zinsfuß 3,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	20	99.324	99.323,980	2.636.066,898	26,540	26,076	50	70	81.219	16.411,685	188.989,180	11,516	11,052
1	21	98.840	95.728,430	2.536.742,919	26,499	26,036	51	71	79.668	15.591,523	172.577,496	11,069	10,605
2	22	98.776	92.655,055	2.441.014,488	26,345	25,882	52	72	77.970	14.778,965	156.985,973	10,622	10,159
3	23	98.729	89.696,194	2.348.359,433	26,181	25,718	53	73	76.115	13.973,269	142.207,008	10,177	9,713
4	24	98.685	86.834,318	2.258.663,238	26,011	25,548	54	74	74.096	13.174,391	128.233,739	9,734	9,270
5	25	98.645	84.066,911	2.171.828,920	25,835	25,371	55	75	71.918	12.384,602	115.059,348	9,291	8,827
6	26	98.607	81.389,555	2.087.762,009	25,651	25,188	56	76	69.529	11.596,319	102.674,746	8,854	8,390
7	27	98.568	78.796,403	2.006.372,454	25,463	24,999	57	77	66.987	10.820,764	91.078,427	8,417	7,953
8	28	98.527	76.284,467	1.927.576,051	25,268	24,805	58	78	64.247	10.051,480	80.257,663	7,985	7,521
9	29	98.486	73.852,549	1.851.291,584	25,067	24,604	59	79	61.276	9.284,950	70.206,183	7,561	7,098
10	30	98.448	71.500,264	1.777.439,035	24,859	24,396	60	80	58.082	8.523,852	60.921,233	7,147	6,684
11	31	98.407	69.220,472	1.705.938,772	24,645	24,181	61	81	54.630	7.764,967	52.397,381	6,748	6,284
12	32	98.357	67.007,989	1.636.718,300	24,426	23,962	62	82	50.965	7.016,029	44.632,414	6,361	5,898
13	33	98.310	64.867,230	1.569.710,311	24,199	23,735	63	83	47.030	6.270,438	37.616,385	5,999	5,535
14	34	98.258	62.792,158	1.504.843,081	23,965	23,502	64	84	43.029	5.556,408	31.345,947	5,641	5,178
15	35	98.193	60.775,923	1.442.050,923	23,727	23,264	65	85	38.946	4.870,938	25.789,539	5,295	4,831
16	36	98.120	58.818,867	1.381.275,000	23,484	23,020	66	86	34.942	4.232,563	20.918,602	4,942	4,479
17	37	98.027	56.913,405	1.322.456,133	23,236	22,773	67	87	30.818	3.615,532	16.686,038	4,615	4,151
18	38	97.917	55.060,219	1.265.542,727	22,985	22,521	68	88	26.603	3.022,785	13.070,507	4,324	3,860
19	39	97.774	53.249,365	1.210.482,509	22,732	22,269	69	89	22.558	2.482,467	10.047,722	4,047	3,584
20	40	97.618	51.490,458	1.157.233,144	22,475	22,011	70	90	18.719	1.995,207	7.565,255	3,792	3,328
21	41	97.458	49.788,427	1.105.742,685	22,209	21,745	71	91	15.213	1.570,429	5.570,048	3,547	3,083
22	42	97.286	48.135,798	1.055.954,259	21,937	21,473	72	92	11.973	1.197,041	3.999,618	3,341	2,878
23	43	97.103	46.533,084	1.007.818,461	21,658	21,194	73	93	9.179	888,808	2.802,577	3,153	2,690
24	44	96.905	44.976,501	961.285,377	21,373	20,909	74	94	6.847	642,104	1.913,770	2,980	2,517
25	45	96.700	43.468,576	916.308,876	21,080	20,616	75	95	4.962	450,702	1.271,665	2,822	2,358
26	46	96.476	42.002,798	872.840,300	20,781	20,317	76	96	3.489	306,930	820,963	2,675	2,211
27	47	96.234	40.578,573	830.837,502	20,475	20,011	77	97	2.377	202,556	514,033	2,538	2,074
28	48	95.978	39.196,803	790.258,929	20,161	19,698	78	98	1.566	129,206	311,477	2,411	1,947
29	49	95.704	37.854,681	751.062,126	19,841	19,377	79	99	994	79,462	182,272	2,294	1,830
30	50	95.407	36.549,167	713.207,445	19,514	19,050	80	100	608	47,058	102,810	2,185	1,721
31	51	95.096	35.283,474	676.658,278	19,178	18,714	81	101	357	26,746	55,752	2,085	1,621
32	52	94.757	34.051,039	641.374,805	18,836	18,372	82	102	201	14,568	29,007	1,991	1,527
33	53	94.393	32.852,575	607.323,766	18,486	18,023	83	103	108	7,561	14,438	1,910	1,446
34	54	94.013	31.690,183	574.471,191	18,128	17,664	84	104	55	3,750	6,877	1,834	1,370
35	55	93.596	30.556,702	542.781,008	17,763	17,299	85	105	27	1,773	3,127	1,764	1,300
36	56	93.144	29.451,944	512.224,305	17,392	16,928	86	106					
37	57	92.666	28.378,295	482.772,361	17,012	16,548	87	107					
38	58	92.141	27.329,306	454.394,066	16,627	16,163	88	108					
39	59	91.570	26.305,298	427.064,761	16,235	15,771	89	109					
40	60	90.965	25.308,698	400.759,462	15,835	15,371	90	110					
41	61	90.308	24.335,153	375.450,764	15,428	14,965	91	111					
42	62	89.629	23.392,002	351.115,611	15,010	14,546	92	112					
43	63	88.869	22.463,468	327.723,609	14,589	14,126	93						
44	64	88.046	21.554,910	305.260,141	14,162	13,698	94						
45	65	87.167	20.668,162	283.705,231	13,727	13,263	95						
46	66	86.190	19.793,007	263.037,069	13,289	12,826	96						
47	67	85.119	18.931,889	243.244,062	12,848	12,385	97						
48	68	83.938	18.081,561	224.312,172	12,406	11,942	98						
49	69	82.639	17.241,432	206.230,612	11,961	11,498	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -21 Jahre

Zinsfuß 3,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	21	99.293	99.292,607	2.623.073,513	26,418	25,954	50	71	80.064	16.178,417	180.044,075	11,129	10,665
1	22	98.815	95.705,009	2.523.780,906	26,370	25,907	51	72	78.376	15.338,749	163.865,659	10,683	10,219
2	23	98.749	92.629,970	2.428.075,897	26,213	25,749	52	73	76.564	14.512,514	148.526,910	10,234	9,771
3	24	98.703	89.672,792	2.335.445,927	26,044	25,580	53	74	74.565	13.688,600	134.014,397	9,790	9,327
4	25	98.658	86.810,727	2.245.773,135	25,870	25,406	54	75	72.409	12.874,520	120.325,796	9,346	8,882
5	26	98.621	84.046,225	2.158.962,408	25,688	25,224	55	76	70.053	12.063,499	107.451,277	8,907	8,444
6	27	98.580	81.366,769	2.074.916,183	25,501	25,037	56	77	67.516	11.260,625	95.387,777	8,471	8,007
7	28	98.539	78.773,439	1.993.549,414	25,307	24,844	57	78	64.808	10.468,737	84.127,153	8,036	7,572
8	29	98.498	76.261,824	1.914.775,975	25,108	24,644	58	79	61.866	9.678,951	73.658,415	7,610	7,147
9	30	98.458	73.830,932	1.838.514,150	24,902	24,438	59	80	58.699	8.894,368	63.979,464	7,193	6,730
10	31	98.416	71.476,853	1.764.683,219	24,689	24,225	60	81	55.252	8.108,618	55.085,096	6,793	6,330
11	32	98.372	69.195,745	1.693.206,366	24,470	24,006	61	82	51.585	7.332,118	46.976,478	6,407	5,943
12	33	98.322	66.984,163	1.624.010,620	24,245	23,781	62	83	47.672	6.562,624	39.644,361	6,041	5,577
13	34	98.270	64.841,311	1.557.026,458	24,013	23,549	63	84	43.660	5.821,111	33.081,736	5,683	5,219
14	35	98.212	62.762,720	1.492.185,147	23,775	23,311	64	85	39.571	5.109,886	27.260,625	5,335	4,871
15	36	98.143	60.744,809	1.429.422,427	23,532	23,068	65	86	35.565	4.448,020	22.150,739	4,980	4,516
16	37	98.065	58.785,607	1.368.677,619	23,283	22,819	66	87	31.419	3.805,860	17.702,718	4,651	4,188
17	38	97.967	56.878,505	1.309.892,012	23,030	22,566	67	88	27.185	3.189,341	13.896,858	4,357	3,894
18	39	97.849	55.021,703	1.253.013,506	22,773	22,309	68	89	23.104	2.625,207	10.707,517	4,079	3,615
19	40	97.696	53.206,751	1.197.991,803	22,516	22,052	69	90	19.214	2.114,504	8.082,311	3,822	3,359
20	41	97.533	51.445,663	1.144.785,052	22,252	21,789	70	91	15.660	1.669,067	5.967,807	3,576	3,112
21	42	97.362	49.739,211	1.093.339,389	21,981	21,518	71	92	12.362	1.276,131	4.298,740	3,369	2,905
22	43	97.176	48.081,661	1.043.600,178	21,705	21,241	72	93	9.514	951,181	3.022,609	3,178	2,714
23	44	96.977	46.472,683	995.518,517	21,422	20,958	73	94	7.123	689,723	2.071,428	3,003	2,540
24	45	96.770	44.913,893	949.045,833	21,130	20,667	74	95	5.182	485,983	1.381,705	2,843	2,379
25	46	96.547	43.399,634	904.131,940	20,833	20,369	75	96	3.658	332,268	895,722	2,696	2,232
26	47	96.303	41.927,362	860.732,306	20,529	20,066	76	97	2.502	220,120	563,454	2,560	2,096
27	48	96.047	40.499,662	818.804,944	20,218	19,754	77	98	1.656	141,130	343,335	2,433	1,969
28	49	95.775	39.113,708	778.305,282	19,899	19,435	78	99	1.058	87,347	202,205	2,315	1,851
29	50	95.474	37.763,575	739.191,574	19,574	19,111	79	100	651	52,053	114,859	2,207	1,743
30	51	95.166	36.456,820	701.427,998	19,240	18,776	80	101	385	29,832	62,805	2,105	1,642
31	52	94.832	35.185,483	664.971,178	18,899	18,435	81	102	219	16,387	32,973	2,012	1,549
32	53	94.471	33.948,096	629.785,695	18,551	18,088	82	103	119	8,616	16,586	1,925	1,461
33	54	94.095	32.748,841	595.837,599	18,194	17,731	83	104	61	4,311	7,970	1,849	1,385
34	55	93.686	31.579,957	563.088,758	17,831	17,367	84	105	30	2,058	3,660	1,778	1,315
35	56	93.242	30.440,989	531.508,801	17,460	16,997	85	106					
36	57	92.770	29.333,703	501.067,812	17,082	16,618	86	107					
37	58	92.252	28.251,640	471.734,110	16,698	16,234	87	108					
38	59	91.697	27.197,698	443.482,469	16,306	15,842	88	109					
39	60	91.105	26.171,568	416.284,771	15,906	15,442	89	110					
40	61	90.464	25.169,392	390.113,203	15,500	15,036	90	111					
41	62	89.800	24.198,211	364.943,811	15,081	14,618	91	112					
42	63	89.065	23.244,798	340.745,600	14,659	14,195	92						
43	64	88.264	22.310,675	317.500,802	14,231	13,767	93						
44	65	87.402	21.397,283	295.190,127	13,796	13,332	94						
45	66	86.456	20.499,358	273.792,844	13,356	12,893	95						
46	67	85.409	19.613,750	253.293,486	12,914	12,450	96						
47	68	84.254	18.739,447	233.679,736	12,470	12,006	97						
48	69	82.978	17.874,751	214.940,289	12,025	11,561	98						
49	70	81.585	17.021,462	197.065,538	11,577	11,114	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -22 Jahre

Zinsfuß 3,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	22	99.268	99.268,313	2.609.529,871	26,288	25,824	50	72	78.766	15.916,128	170.896,697	10,737	10,274
1	23	98.789	95.679,097	2.510.261,558	26,236	25,773	51	73	76.963	15.062,205	154.980,570	10,289	9,826
2	24	98.723	92.605,802	2.414.582,461	26,074	25,610	52	74	75.004	14.216,860	139.918,365	9,842	9,378
3	25	98.676	89.648,430	2.321.976,659	25,901	25,437	53	75	72.867	13.377,024	125.701,505	9,397	8,933
4	26	98.634	86.789,366	2.232.328,229	25,721	25,258	54	76	70.532	12.540,715	112.324,481	8,957	8,493
5	27	98.593	84.022,695	2.145.538,863	25,535	25,072	55	77	68.025	11.714,281	99.783,766	8,518	8,055
6	28	98.551	81.343,056	2.061.516,167	25,343	24,880	56	78	65.319	10.894,288	88.069,485	8,084	7,620
7	29	98.510	78.750,058	1.980.173,111	25,145	24,681	57	79	62.406	10.080,744	77.175,197	7,656	7,192
8	30	98.469	76.239,502	1.901.423,053	24,940	24,477	58	80	59.264	9.271,795	67.094,453	7,236	6,773
9	31	98.425	73.806,758	1.825.183,551	24,729	24,266	59	81	55.839	8.461,084	57.822,658	6,834	6,370
10	32	98.381	71.451,321	1.751.376,793	24,511	24,048	60	82	52.172	7.656,612	49.361,574	6,447	5,983
11	33	98.337	69.171,141	1.679.925,472	24,287	23,823	61	83	48.251	6.858,286	41.704,961	6,081	5,617
12	34	98.283	66.957,397	1.610.754,331	24,056	23,593	62	84	44.256	6.092,360	34.846,676	5,720	5,256
13	35	98.224	64.810,912	1.543.796,934	23,820	23,356	63	85	40.151	5.353,318	28.754,315	5,371	4,908
14	36	98.161	62.730,588	1.478.986,022	23,577	23,113	64	86	36.135	4.666,222	23.400,997	5,015	4,551
15	37	98.088	60.710,460	1.416.255,434	23,328	22,864	65	87	31.979	3.999,596	18.734,775	4,684	4,221
16	38	98.004	58.749,559	1.355.544,974	23,073	22,610	66	88	27.716	3.357,234	14.735,179	4,389	3,925
17	39	97.898	56.838,718	1.296.795,416	22,815	22,352	67	89	23.610	2.769,857	11.377,945	4,108	3,644
18	40	97.770	54.977,672	1.239.956,698	22,554	22,090	68	90	19.679	2.236,086	8.608,089	3,850	3,386
19	41	97.611	53.160,463	1.184.979,026	22,291	21,827	69	91	16.073	1.768,863	6.372,003	3,602	3,139
20	42	97.436	51.394,809	1.131.818,564	22,022	21,558	70	92	12.725	1.356,284	4.603,140	3,394	2,930
21	43	97.253	49.683,271	1.080.423,754	21,746	21,283	71	93	9.823	1.014,026	3.246,856	3,202	2,738
22	44	97.050	48.019,250	1.030.740,483	21,465	21,002	72	94	7.383	738,125	2.232,829	3,025	2,561
23	45	96.842	46.407,993	982.721,233	21,176	20,712	73	95	5.391	522,023	1.494,704	2,863	2,400
24	46	96.617	44.842,659	936.313,240	20,880	20,416	74	96	3.820	358,278	972,681	2,715	2,251
25	47	96.373	43.321,689	891.470,581	20,578	20,114	75	97	2.623	238,291	614,403	2,578	2,115
26	48	96.116	41.845,828	848.148,892	20,268	19,805	76	98	1.743	153,367	376,112	2,452	1,989
27	49	95.843	40.413,806	806.303,064	19,951	19,488	77	99	1.120	95,408	222,745	2,335	1,871
28	50	95.544	39.019,572	765.889,258	19,628	19,165	78	100	693	57,219	127,338	2,225	1,762
29	51	95.233	37.668,161	726.869,686	19,297	18,833	79	101	413	32,999	70,119	2,125	1,661
30	52	94.901	36.355,571	689.201,525	18,957	18,494	80	102	236	18,278	37,120	2,031	1,567
31	53	94.545	35.079,110	652.845,954	18,611	18,147	81	103	129	9,691	18,842	1,944	1,481
32	54	94.172	33.840,903	617.766,844	18,255	17,791	82	104	68	4,912	9,150	1,863	1,399
33	55	93.768	32.634,933	583.925,941	17,893	17,429	83	105	34	2,366	4,239	1,791	1,328
34	56	93.331	31.460,368	551.291,008	17,523	17,060	84	106					
35	57	92.868	30.318,776	519.830,640	17,146	16,682	85	107					
36	58	92.356	29.202,784	489.511,863	16,763	16,299	86	108					
37	59	91.808	28.115,591	460.309,079	16,372	15,908	87	109					
38	60	91.231	27.059,431	432.193,489	15,972	15,508	88	110					
39	61	90.604	26.027,513	405.134,058	15,566	15,102	89	111					
40	62	89.955	25.027,755	379.106,545	15,147	14,684	90	112					
41	63	89.235	24.045,934	354.078,790	14,725	14,261	91						
42	64	88.459	23.086,691	330.032,856	14,295	13,832	92						
43	65	87.619	22.147,522	306.946,164	13,859	13,396	93						
44	66	86.688	21.222,523	284.798,643	13,420	12,956	94						
45	67	85.673	20.313,703	263.576,120	12,975	12,512	95						
46	68	84.541	19.414,376	243.262,416	12,530	12,066	96						
47	69	83.290	18.525,113	223.848,040	12,083	11,620	97						
48	70	81.919	17.646,702	205.322,927	11,635	11,172	98						
49	71	80.425	16.779,527	187.676,225	11,185	10,721	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -23 Jahre

Zinsfuß 3,25%

Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	23	99.241	99.241,437	2.595.416,905	26,153	25,689	50	73	77.346	15.629,174	161.577,343	10,338	9,875
1	24	98.763	95.654,134	2.496.175,468	26,096	25,632	51	74	75.395	14.755,352	145.948,169	9,891	9,428
2	25	98.696	92.580,643	2.400.521,334	25,929	25,465	52	75	73.297	13.893,259	131.192,817	9,443	8,979
3	26	98.652	89.626,370	2.307.940,690	25,751	25,287	53	76	70.978	13.030,191	117.299,558	9,002	8,539
4	27	98.606	86.765,068	2.218.314,320	25,567	25,103	54	77	68.490	12.177,682	104.269,367	8,562	8,099
5	28	98.564	83.998,208	2.131.549,252	25,376	24,913	55	78	65.812	11.333,186	92.091,684	8,126	7,662
6	29	98.522	81.318,912	2.047.551,043	25,179	24,716	56	79	62.899	10.490,523	80.758,498	7,698	7,235
7	30	98.481	78.727,007	1.966.232,131	24,975	24,512	57	80	59.781	9.656,686	70.267,976	7,277	6,813
8	31	98.437	76.214,540	1.887.505,124	24,766	24,302	58	81	56.377	8.820,125	60.611,290	6,872	6,408
9	32	98.390	73.780,394	1.811.290,584	24,550	24,086	59	82	52.727	7.989,430	51.791,164	6,482	6,019
10	33	98.346	71.425,915	1.737.510,191	24,326	23,862	60	83	48.801	7.161,810	43.801,734	6,116	5,652
11	34	98.297	69.143,502	1.666.084,276	24,096	23,632	61	84	44.794	6.366,835	36.639,924	5,755	5,291
12	35	98.237	66.926,006	1.596.940,774	23,861	23,398	62	85	40.699	5.602,769	30.273,088	5,403	4,940
13	36	98.174	64.777,731	1.530.014,768	23,619	23,156	63	86	36.665	4.888,518	24.670,319	5,047	4,583
14	37	98.106	62.695,117	1.465.237,037	23,371	22,907	64	87	32.492	4.195,800	19.781,801	4,715	4,251
15	38	98.028	60.673,231	1.402.541,920	23,116	22,653	65	88	28.210	3.528,133	15.586,001	4,418	3,954
16	39	97.936	58.708,462	1.341.868,689	22,856	22,393	66	89	24.070	2.915,667	12.057,869	4,136	3,672
17	40	97.820	56.793,232	1.283.160,226	22,594	22,130	67	90	20.110	2.359,295	9.142,202	3,875	3,411
18	41	97.685	54.929,842	1.226.366,994	22,326	21,862	68	91	16.463	1.870,571	6.782,906	3,626	3,162
19	42	97.515	53.107,914	1.171.437,152	22,058	21,594	69	92	13.061	1.437,378	4.912,335	3,418	2,954
20	43	97.327	51.337,007	1.118.329,238	21,784	21,320	70	93	10.111	1.077,717	3.474,957	3,224	2,761
21	44	97.126	49.618,781	1.066.992,231	21,504	21,040	71	94	7.623	786,894	2.397,241	3,046	2,583
22	45	96.915	47.952,407	1.017.373,450	21,216	20,753	72	95	5.588	558,657	1.610,347	2,883	2,419
23	46	96.689	46.334,389	969.421,043	20,922	20,459	73	96	3.974	384,848	1.051,690	2,733	2,269
24	47	96.443	44.762,123	923.086,654	20,622	20,158	74	97	2.740	256,944	666,842	2,595	2,132
25	48	96.186	43.237,444	878.324,531	20,314	19,850	75	98	1.828	166,028	409,898	2,469	2,005
26	49	95.912	41.757,118	835.087,087	19,999	19,535	76	99	1.179	103,680	243,870	2,352	1,889
27	50	95.613	40.316,541	793.329,969	19,678	19,214	77	100	734	62,499	140,189	2,243	1,779
28	51	95.303	38.920,984	753.013,429	19,347	18,884	78	101	440	36,273	77,690	2,142	1,678
29	52	94.968	37.563,547	714.092,444	19,010	18,547	79	102	253	20,219	41,417	2,048	1,585
30	53	94.615	36.245,661	676.528,897	18,665	18,201	80	103	140	10,810	21,198	1,961	1,497
31	54	94.247	34.968,346	640.283,236	18,310	17,847	81	104	74	5,525	10,388	1,880	1,417
32	55	93.845	33.723,196	605.314,890	17,950	17,486	82	105	37	2,696	4,863	1,804	1,340
33	56	93.413	32.511,349	571.591,694	17,581	17,118	83	106					
34	57	92.956	31.334,063	539.080,345	17,204	16,741	84	107					
35	58	92.453	30.183,461	507.746,281	16,822	16,358	85	108					
36	59	91.912	29.062,154	477.562,820	16,432	15,969	86	109					
37	60	91.341	27.972,657	448.500,666	16,034	15,570	87	110					
38	61	90.729	26.910,489	420.528,009	15,627	15,163	88	111					
39	62	90.094	25.881,047	393.617,520	15,209	14,745	89	112					
40	63	89.389	24.870,258	367.736,473	14,786	14,323	90						
41	64	88.628	23.882,377	342.866,215	14,356	13,893	91						
42	65	87.813	22.917,862	318.983,837	13,919	13,455	92						
43	66	86.903	21.966,634	296.065,975	13,478	13,014	93						
44	67	85.903	21.030,320	274.099,340	13,034	12,570	94						
45	68	84.802	20.107,215	253.069,021	12,586	12,122	95						
46	69	83.574	19.192,323	232.961,806	12,138	11,675	96						
47	70	82.228	18.288,766	213.769,483	11,689	11,225	97						
48	71	80.755	17.395,880	195.480,716	11,237	10,774	98						
49	72	79.121	16.507,493	178.084,836	10,788	10,324	99						
							100						

Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004

Altersdifferenz zwischen Mann und Frau (x - y) = -24 Jahre

Zinsfuß 3,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	24	99.216	99.215,545	2.580.724,890	26,011	25,548	50	74	75.770	15.310,771	152.112,843	9,935	9,471
1	25	98.736	95.628,147	2.481.509,345	25,950	25,486	51	75	73.679	14.419,495	136.802,072	9,487	9,024
2	26	98.672	92.557,862	2.385.881,199	25,777	25,314	52	76	71.397	13.533,042	122.382,577	9,043	8,580
3	27	98.624	89.601,279	2.293.323,336	25,595	25,131	53	77	68.923	12.652,989	108.849,536	8,603	8,139
4	28	98.578	86.739,782	2.203.722,058	25,406	24,943	54	78	66.262	11.781,512	96.196,547	8,165	7,701
5	29	98.535	83.973,276	2.116.982,275	25,210	24,747	55	79	63.373	10.913,154	84.415,035	7,735	7,272
6	30	98.493	81.295,109	2.033.008,999	25,008	24,544	56	80	60.253	10.049,227	73.501,881	7,314	6,851
7	31	98.449	78.701,230	1.951.713,890	24,799	24,335	57	81	56.869	9.186,266	63.452,654	6,907	6,444
8	32	98.402	76.187,315	1.873.012,660	24,584	24,121	58	82	53.234	8.328,457	54.266,388	6,516	6,052
9	33	98.355	73.754,159	1.796.825,345	24,362	23,899	59	83	49.319	7.473,120	45.937,930	6,147	5,683
10	34	98.307	71.397,375	1.723.071,186	24,134	23,670	60	84	45.304	6.648,610	38.464,810	5,785	5,322
11	35	98.251	69.111,086	1.651.673,811	23,899	23,435	61	85	41.194	5.855,187	31.816,200	5,434	4,970
12	36	98.187	66.891,743	1.582.562,725	23,659	23,195	62	86	37.166	5.116,311	25.961,013	5,074	4,611
13	37	98.118	64.741,102	1.515.670,982	23,411	22,948	63	87	32.969	4.395,685	20.844,703	4,742	4,278
14	38	98.046	62.656,671	1.450.929,880	23,157	22,693	64	88	28.662	3.701,209	16.449,018	4,444	3,981
15	39	97.959	60.630,789	1.388.273,209	22,897	22,434	65	89	24.499	3.064,088	12.747,809	4,160	3,697
16	40	97.857	58.661,480	1.327.642,419	22,632	22,169	66	90	20.503	2.483,493	9.683,721	3,899	3,436
17	41	97.735	56.743,823	1.268.980,939	22,363	21,900	67	91	16.823	1.973,640	7.200,228	3,648	3,185
18	42	97.589	54.875,545	1.212.237,116	22,091	21,627	68	92	13.378	1.520,026	5.226,588	3,438	2,975
19	43	97.405	53.048,185	1.157.361,571	21,817	21,354	69	93	10.379	1.142,155	3.706,562	3,245	2,782
20	44	97.200	51.270,371	1.104.313,386	21,539	21,075	70	94	7.846	836,318	2.564,407	3,066	2,603
21	45	96.991	49.549,711	1.053.043,016	21,252	20,789	71	95	5.769	595,568	1.728,089	2,902	2,438
22	46	96.761	47.876,354	1.003.493,304	20,960	20,496	72	96	4.119	411,855	1.132,521	2,750	2,286
23	47	96.515	46.251,174	955.616,950	20,661	20,198	73	97	2.850	275,999	720,666	2,611	2,147
24	48	96.256	44.675,076	909.365,777	20,355	19,891	74	98	1.909	179,025	444,666	2,484	2,020
25	49	95.982	43.145,783	864.690,700	20,041	19,578	75	99	1.236	112,240	265,642	2,367	1,903
26	50	95.681	41.656,620	821.544,917	19,722	19,258	76	100	772	67,918	153,402	2,259	1,795
27	51	95.371	40.214,676	779.888,297	19,393	18,930	77	101	465	39,621	85,484	2,158	1,694
28	52	95.038	38.812,891	739.673,621	19,057	18,594	78	102	269	22,225	45,863	2,064	1,600
29	53	94.681	37.449,985	700.860,730	18,715	18,251	79	103	150	11,957	23,638	1,977	1,513
30	54	94.316	36.131,213	663.410,745	18,361	17,898	80	104	80	6,163	11,681	1,895	1,432
31	55	93.919	34.846,718	627.279,532	18,001	17,537	81	105	40	3,032	5,518	1,820	1,356
32	56	93.490	33.595,491	592.432,814	17,634	17,171	82	106					
33	57	93.038	32.380,825	558.837,322	17,258	16,795	83	107					
34	58	92.541	31.194,217	526.456,497	16,877	16,413	84	108					
35	59	92.008	30.038,109	495.262,280	16,488	16,024	85	109					
36	60	91.444	28.914,408	465.224,171	16,090	15,626	86	110					
37	61	90.838	27.818,689	436.309,763	15,684	15,220	87	111					
38	62	90.218	26.759,054	408.491,075	15,266	14,802	88	112					
39	63	89.527	25.718,180	381.732,020	14,843	14,379	89						
40	64	88.781	24.701,095	356.013,840	14,413	13,949	90						
41	65	87.980	23.707,730	331.312,745	13,975	13,511	91						
42	66	87.095	22.730,684	307.605,015	13,533	13,069	92						
43	67	86.116	21.767,692	284.874,332	13,087	12,623	93						
44	68	85.030	20.816,547	263.106,640	12,639	12,176	94						
45	69	83.832	19.877,237	242.290,093	12,189	11,726	95						
46	70	82.508	18.947,464	222.412,856	11,738	11,275	96						
47	71	81.059	18.028,818	203.465,392	11,286	10,822	97						
48	72	79.446	17.113,853	185.436,574	10,835	10,372	98						
49	73	77.695	16.209,878	168.322,721	10,384	9,920	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -25 Jahre

Zinsfuß 3,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	25	99.189	99.188,590	2.565.440,017	25,864	25,401	50	75	74.046	14.962,271	142.537,921	9,526	9,063
1	26	98.712	95.604,616	2.466.251,427	25,796	25,333	51	76	71.769	14.045,633	127.575,649	9,083	8,619
2	27	98.644	92.531,950	2.370.646,811	25,620	25,156	52	77	69.330	13.141,282	113.530,016	8,639	8,176
3	28	98.596	89.575,166	2.278.114,862	25,432	24,969	53	78	66.681	12.241,355	100.388,734	8,201	7,737
4	29	98.548	86.714,036	2.188.539,696	25,239	24,775	54	79	63.806	11.344,864	88.147,379	7,770	7,306
5	30	98.506	83.948,696	2.101.825,659	25,037	24,573	55	80	60.707	10.454,080	76.802,515	7,347	6,883
6	31	98.461	81.268,492	2.017.876,963	24,830	24,366	56	81	57.317	9.559,685	66.348,435	6,940	6,477
7	32	98.414	78.673,117	1.936.608,471	24,616	24,152	57	82	53.699	8.674,188	56.788,749	6,547	6,083
8	33	98.367	76.160,225	1.857.935,354	24,395	23,931	58	83	49.794	7.790,238	48.114,561	6,176	5,713
9	34	98.316	73.724,689	1.781.775,129	24,168	23,704	59	84	45.785	6.937,612	40.324,323	5,812	5,349
10	35	98.261	71.363,902	1.708.050,440	23,934	23,471	60	85	41.663	6.114,317	33.386,711	5,460	4,997
11	36	98.201	69.075,704	1.636.686,538	23,694	23,230	61	86	37.617	5.346,812	27.272,394	5,101	4,637
12	37	98.131	66.853,919	1.567.610,834	23,448	22,985	62	87	33.419	4.600,513	21.925,581	4,766	4,302
13	38	98.058	64.701,402	1.500.756,915	23,195	22,731	63	88	29.082	3.877,532	17.325,069	4,468	4,004
14	39	97.977	62.612,842	1.436.055,514	22,935	22,472	64	89	24.892	3.214,400	13.447,537	4,184	3,720
15	40	97.881	60.582,269	1.373.442,672	22,671	22,207	65	90	20.868	2.609,914	10.233,137	3,921	3,457
16	41	97.772	58.610,446	1.312.860,403	22,400	21,936	66	91	17.151	2.077,536	7.623,223	3,669	3,206
17	42	97.638	56.687,732	1.254.249,957	22,126	21,662	67	92	13.670	1.603,780	5.545,686	3,458	2,994
18	43	97.479	54.813,828	1.197.562,225	21,848	21,384	68	93	10.630	1.207,828	3.941,906	3,264	2,800
19	44	97.279	52.979,328	1.142.748,397	21,570	21,106	69	94	8.054	886,323	2.734,078	3,085	2,621
20	45	97.065	51.199,002	1.089.769,070	21,285	20,821	70	95	5.939	632,975	1.847,756	2,919	2,456
21	46	96.837	49.471,125	1.038.570,068	20,993	20,530	71	96	4.253	439,067	1.214,780	2,767	2,303
22	47	96.588	47.790,369	989.098,943	20,697	20,233	72	97	2.954	295,368	775,714	2,626	2,163
23	48	96.327	46.161,231	941.308,574	20,392	19,928	73	98	1.986	192,301	480,346	2,498	2,034
24	49	96.052	44.580,368	895.147,342	20,079	19,616	74	99	1.290	121,026	288,045	2,380	1,916
25	50	95.751	43.041,944	850.566,974	19,761	19,298	75	100	809	73,525	167,019	2,272	1,808
26	51	95.439	41.551,369	807.525,031	19,434	18,971	76	101	489	43,057	93,494	2,171	1,708
27	52	95.106	40.102,990	765.973,662	19,100	18,637	77	102	285	24,276	50,437	2,078	1,614
28	53	94.751	38.695,552	725.870,672	18,759	18,295	78	103	159	13,144	26,161	1,990	1,527
29	54	94.382	37.331,735	687.175,120	18,407	17,944	79	104	85	6,817	13,017	1,910	1,446
30	55	93.988	36.005,540	649.843,385	18,048	17,585	80	105	44	3,382	6,201	1,833	1,370
31	56	93.563	34.714,758	613.837,844	17,682	17,219	81	106					
32	57	93.114	33.460,615	579.123,086	17,308	16,844	82	107					
33	58	92.623	32.236,307	545.662,471	16,927	16,463	83	108					
34	59	92.096	31.043,997	513.426,164	16,539	16,075	84	109					
35	60	91.540	29.885,402	482.382,167	16,141	15,677	85	110					
36	61	90.941	28.755,256	452.496,766	15,736	15,273	86	111					
37	62	90.327	27.662,143	423.741,510	15,318	14,855	87	112					
38	63	89.650	26.590,662	396.079,367	14,895	14,432	88						
39	64	88.918	25.543,249	369.488,704	14,465	14,002	89						
40	65	88.131	24.520,460	343.945,455	14,027	13,563	90						
41	66	87.261	23.514,100	319.424,995	13,584	13,121	91						
42	67	86.307	22.524,821	295.910,895	13,137	12,673	92						
43	68	85.241	21.546,423	273.386,074	12,688	12,225	93						
44	69	84.057	20.578,456	251.839,650	12,238	11,774	94						
45	70	82.762	19.623,640	231.261,194	11,785	11,321	95						
46	71	81.335	18.678,154	211.637,554	11,331	10,867	96						
47	72	79.745	17.736,530	192.959,401	10,879	10,416	97						
48	73	78.013	16.805,306	175.222,871	10,427	9,963	98						
49	74	76.112	15.879,644	158.417,565	9,976	9,513	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 1 Jahr

Zinsfuß 3,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	49	91.859	18.561,739	312.257,122	16,823	16,359
1	0	99.544	96.410,431	2.699.658,086	28,002	27,538	51	50	91.184	17.845,335	293.695,383	16,458	15,994
2	1	99.126	92.983,599	2.603.247,656	27,997	27,533	52	51	90.482	17.150,631	275.850,048	16,084	15,620
3	2	99.070	90.006,376	2.510.264,057	27,890	27,426	53	52	89.702	16.467,499	258.699,417	15,710	15,246
4	3	99.033	87.140,111	2.420.257,681	27,774	27,311	54	53	88.868	15.800,987	242.231,918	15,330	14,867
5	4	99.002	84.371,399	2.333.117,570	27,653	27,189	55	54	87.986	15.151,714	226.430,931	14,944	14,481
6	5	98.976	81.693,898	2.248.746,170	27,526	27,063	56	55	87.024	14.514,276	211.279,217	14,557	14,093
7	6	98.952	79.102,856	2.167.052,272	27,395	26,932	57	56	86.015	13.894,505	196.764,941	14,161	13,698
8	7	98.930	76.596,417	2.087.949,416	27,259	26,795	58	57	84.929	13.287,147	182.870,436	13,763	13,299
9	8	98.910	74.170,111	2.011.352,999	27,118	26,654	59	58	83.744	12.689,378	169.583,289	13,364	12,901
10	9	98.891	71.821,841	1.937.182,888	26,972	26,508	60	59	82.465	12.102,211	156.893,910	12,964	12,500
11	10	98.875	69.550,074	1.865.361,046	26,820	26,357	61	60	81.122	11.530,390	144.791,699	12,557	12,094
12	11	98.853	67.345,452	1.795.810,972	26,666	26,202	62	61	79.706	10.972,584	133.261,309	12,145	11,681
13	12	98.831	65.210,985	1.728.465,520	26,506	26,042	63	62	78.190	10.425,056	122.288,725	11,730	11,267
14	13	98.809	63.144,787	1.663.254,535	26,340	25,877	64	63	76.575	9.888,376	111.863,669	11,313	10,849
15	14	98.782	61.139,971	1.600.109,749	26,171	25,708	65	64	74.854	9.361,862	101.975,293	10,893	10,429
16	15	98.747	59.194,602	1.538.969,777	25,998	25,535	66	65	73.005	8.843,239	92.613,430	10,473	10,009
17	16	98.691	57.299,135	1.479.775,176	25,825	25,362	67	66	71.024	8.332,381	83.770,191	10,054	9,590
18	17	98.620	55.455,655	1.422.476,041	25,651	25,187	68	67	68.873	7.825,718	75.437,811	9,640	9,176
19	18	98.524	53.657,530	1.367.020,385	25,477	25,013	69	68	66.561	7.324,989	67.612,093	9,230	8,767
20	19	98.416	51.911,763	1.313.362,855	25,300	24,836	70	69	64.105	6.832,673	60.287,103	8,823	8,360
21	20	98.314	50.225,585	1.261.451,092	25,116	24,652	71	70	61.483	6.346,858	53.544,430	8,422	7,959
22	21	98.206	48.591,140	1.211.225,506	24,927	24,463	72	71	58.700	5.868,882	47.107,572	8,027	7,563
23	22	98.108	47.014,649	1.162.634,366	24,729	24,266	73	72	55.716	5.395,128	41.238,689	7,644	7,180
24	23	98.009	45.488,699	1.115.619,717	24,525	24,062	74	73	52.589	4.932,091	35.843,562	7,267	6,804
25	24	97.912	44.013,398	1.070.131,019	24,314	23,850	75	74	49.330	4.480,855	30.911,470	6,899	6,435
26	25	97.814	42.585,235	1.026.117,621	24,096	23,632	76	75	45.979	4.044,944	26.430,615	6,534	6,071
27	26	97.720	41.205,141	983.532,386	23,869	23,406	77	76	42.552	3.625,680	22.385,672	6,174	5,711
28	27	97.623	39.868,422	942.327,245	23,636	23,172	78	77	39.059	3.223,256	18.759,992	5,820	5,357
29	28	97.522	38.573,857	902.458,823	23,396	22,932	79	78	35.494	2.836,900	15.536,736	5,477	5,013
30	29	97.425	37.322,309	863.884,966	23,147	22,683	80	79	31.903	2.469,581	12.699,836	5,143	4,679
31	30	97.325	36.110,534	826.562,657	22,890	22,426	81	80	28.289	2.120,949	10.230,256	4,823	4,360
32	31	97.217	34.934,823	790.452,123	22,626	22,163	82	81	24.702	1.793,677	8.109,307	4,521	4,057
33	32	97.102	33.795,384	755.517,300	22,356	21,892	83	82	21.136	1.486,406	6.315,630	4,249	3,785
34	33	96.983	32.691,266	721.721,916	22,077	21,613	84	83	17.755	1.209,374	4.829,224	3,993	3,530
35	34	96.851	31.619,363	689.030,651	21,791	21,328	85	84	14.665	967,474	3.619,850	3,742	3,278
36	35	96.705	30.577,690	657.411,287	21,500	21,036	86	85	11.920	761,584	2.652,375	3,483	3,019
37	36	96.546	29.566,621	626.833,597	21,201	20,737	87	86	9.443	584,344	1.890,792	3,236	2,772
38	37	96.375	28.585,183	597.266,976	20,894	20,431	88	87	7.216	432,472	1.306,448	3,021	2,557
39	38	96.183	27.630,304	568.681,793	20,582	20,118	89	88	5.312	308,335	873,975	2,834	2,371
40	39	95.968	26.700,649	541.051,488	20,264	19,800	90	89	3.784	212,721	565,640	2,659	2,195
41	40	95.726	25.794,998	514.350,839	19,940	19,476	91	90	2.598	141,441	352,919	2,495	2,032
42	41	95.461	24.913,895	488.555,841	19,610	19,146	92	91	1.711	90,221	211,479	2,344	1,880
43	42	95.156	24.052,662	463.641,946	19,276	18,812	93	92	1.071	54,681	121,258	2,218	1,754
44	43	94.814	23.211,753	439.589,284	18,938	18,475	94	93	640	31,660	66,577	2,103	1,639
45	44	94.436	22.391,701	416.377,531	18,595	18,132	95	94	365	17,468	34,917	1,999	1,535
46	45	94.015	21.590,050	393.985,830	18,248	17,785	96	95	197	9,161	17,449	1,905	1,441
47	46	93.547	20.806,433	372.395,780	17,898	17,434	97	96	101	4,556	8,287	1,819	1,355
48	47	93.029	20.039,925	351.589,348	17,544	17,081	98	97	49	2,143	3,731	1,741	1,278
49	48	92.469	19.292,301	331.549,423	17,186	16,722	99	98	23	0,951	1,589	1,671	1,207
							100	99	10	0,397	0,638	1,607	1,144

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 2 Jahre

Zinsfuß 3,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	48	92,054	18.601,172	315.128,005	16,941	16,478
1							51	49	91,404	17.888,387	296.526,832	16,576	16,113
2	0	99,504	93.337,997	2.607.179,038	27,933	27,469	52	50	90,711	17.194,074	278.638,445	16,205	15,742
3	1	99,106	90.038,623	2.513.841,041	27,920	27,456	53	51	89,952	16.513,361	261.444,371	15,832	15,369
4	2	99,052	87.157,343	2.423.802,418	27,810	27,346	54	52	89,138	15.848,902	244.931,011	15,454	14,991
5	3	99,019	84.385,884	2.336.645,075	27,690	27,226	55	53	88,265	15.199,707	229.082,109	15,071	14,608
6	4	98,989	81.704,451	2.252.259,191	27,566	27,102	56	54	87,328	14.564,936	213.882,401	14,685	14,221
7	5	98,964	79.113,198	2.170.554,740	27,436	26,972	57	55	86,342	13.947,322	199.317,465	14,291	13,827
8	6	98,939	76.603,476	2.091.441,542	27,302	26,839	58	56	85,271	13.340,706	185.370,143	13,895	13,431
9	7	98,918	74.176,571	2.014.838,066	27,163	26,699	59	57	84,119	12.746,266	172.029,437	13,496	13,033
10	8	98,901	71.828,736	1.940.661,495	27,018	26,554	60	58	82,864	12.160,773	159.283,171	13,098	12,634
11	9	98,882	69.554,569	1.868.832,759	26,869	26,405	61	59	81,536	11.589,308	147.122,398	12,695	12,231
12	10	98,861	67.351,115	1.799.278,190	26,715	26,251	62	60	80,147	11.033,314	135.533,090	12,284	11,820
13	11	98,840	65.217,101	1.731.927,075	26,556	26,093	63	61	78,633	10.484,054	124.499,776	11,875	11,412
14	12	98,818	63.150,150	1.666.709,974	26,393	25,929	64	62	77,060	9.950,997	114.015,722	11,458	10,994
15	13	98,791	61.145,896	1.603.559,824	26,225	25,762	65	63	75,367	9.425,976	104.064,725	11,040	10,577
16	14	98,758	59.201,500	1.542.413,928	26,054	25,590	66	64	73,543	8.908,384	94.638,749	10,624	10,160
17	15	98,709	57.309,375	1.483.212,428	25,881	25,417	67	65	71,609	8.400,995	85.730,365	10,205	9,741
18	16	98,641	55.467,402	1.425.903,053	25,707	25,243	68	66	69,502	7.897,240	77.329,370	9,792	9,328
19	17	98,546	53.669,339	1.370.435,651	25,535	25,071	69	67	67,245	7.400,212	69.432,130	9,382	8,919
20	18	98,445	51.926,697	1.316.766,313	25,358	24,895	70	68	64,847	6.911,726	62.031,918	8,975	8,511
21	19	98,341	50.239,512	1.264.839,616	25,176	24,713	71	69	62,277	6.428,879	55.120,191	8,574	8,110
22	20	98,237	48.606,493	1.214.600,104	24,988	24,525	72	70	59,547	5.953,503	48.691,312	8,179	7,715
23	21	98,132	47.026,155	1.165.993,611	24,795	24,331	73	71	56,634	5.484,037	42.737,809	7,793	7,330
24	22	98,035	45.501,018	1.118.967,456	24,592	24,129	74	72	53,555	5.022,645	37.253,773	7,417	6,954
25	23	97,938	44.024,884	1.073.466,438	24,383	23,920	75	73	50,356	4.574,039	32.231,128	7,047	6,583
26	24	97,840	42.596,808	1.029.441,554	24,167	23,703	76	74	47,050	4.139,158	27.657,089	6,682	6,218
27	25	97,744	41.215,283	986.844,747	23,944	23,480	77	75	43,685	3.722,187	23.517,931	6,318	5,855
28	26	97,650	39.879,587	945.629,464	23,712	23,248	78	76	40,223	3.319,345	19.795,744	5,964	5,500
29	27	97,551	38.585,101	905.749,877	23,474	23,010	79	77	36,688	2.932,295	16.476,399	5,619	5,155
30	28	97,454	37.333,391	867.164,776	23,228	22,764	80	78	33,131	2.564,631	13.544,104	5,281	4,817
31	29	97,354	36.121,107	829.831,385	22,974	22,510	81	79	29,532	2.214,087	10.979,472	4,959	4,495
32	30	97,248	34.946,265	793.710,278	22,712	22,249	82	80	25,967	1.885,529	8.765,386	4,649	4,185
33	31	97,137	33.807,460	758.764,013	22,444	21,980	83	81	22,383	1.574,156	6.879,856	4,371	3,907
34	32	97,017	32.702,894	724.956,553	22,168	21,704	84	82	18,982	1.292,928	5.305,700	4,104	3,640
35	33	96,890	31.632,002	692.253,659	21,885	21,421	85	83	15,797	1.042,153	4.012,772	3,850	3,387
36	34	96,750	30.592,033	660.621,657	21,595	21,131	86	84	12,961	828,134	2.970,619	3,587	3,123
37	35	96,595	29.581,766	630.029,624	21,298	20,834	87	85	10,341	639,903	2.142,486	3,348	2,885
38	36	96,429	28.601,356	600.447,859	20,994	20,530	88	86	8,025	480,960	1.502,582	3,124	2,661
39	37	96,242	27.647,258	571.846,502	20,684	20,220	89	87	6,022	349,538	1.021,622	2,923	2,459
40	38	96,035	26.719,340	544.199,244	20,367	19,904	90	88	4,357	244,937	672,085	2,744	2,280
41	39	95,802	25.815,657	517.479,904	20,045	19,582	91	89	3,050	166,054	427,148	2,572	2,109
42	40	95,544	24.935,589	491.664,247	19,717	19,254	92	90	2,045	107,851	261,094	2,421	1,957
43	41	95,250	24.076,462	466.728,658	19,385	18,922	93	91	1,317	67,291	153,243	2,277	1,814
44	42	94,920	23.237,888	442.652,197	19,049	18,585	94	92	805	39,843	85,952	2,157	1,694
45	43	94,559	22.420,803	419.414,309	18,706	18,243	95	93	470	22,510	46,109	2,048	1,585
46	44	94,146	21.620,145	396.993,506	18,362	17,899	96	94	261	12,105	23,598	1,950	1,486
47	45	93,696	20.839,484	375.373,360	18,013	17,549	97	95	137	6,180	11,494	1,860	1,396
48	46	93,197	20.075,981	354.533,876	17,660	17,196	98	96	69	2,988	5,314	1,779	1,315
49	47	92,649	19.329,891	334.457,895	17,303	16,839	99	97	32	1,365	2,326	1,705	1,241
							100	98	14	0,587	0,962	1,638	1,174

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 3 Jahre

Zinsfuß 3,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	47	92.234	18.637,416	317.786,215	17,051	16,587
1							51	48	91.598	17.926,390	299.148,800	16,688	16,224
2							52	49	90.930	17.235,555	281.222,410	16,316	15,853
3	0	99.484	90.381,797	2.517.488,934	27,854	27,390	53	50	90.179	16.555,190	263.986,855	15,946	15,482
4	1	99.088	87.188,569	2.427.107,137	27,837	27,374	54	51	89.386	15.893,041	247.431,665	15,569	15,105
5	2	99.039	84.402,572	2.339.918,568	27,723	27,260	55	52	88.533	15.245,799	231.538,625	15,187	14,723
6	3	99.006	81.718,478	2.255.515,996	27,601	27,137	56	53	87.604	14.611,072	216.292,826	14,803	14,340
7	4	98.977	79.123,417	2.173.797,519	27,474	27,010	57	54	86.644	13.996,003	201.681,754	14,410	13,946
8	5	98.952	76.613,491	2.094.674,101	27,341	26,877	58	55	85.595	13.391,417	187.685,751	14,015	13,552
9	6	98.928	74.183,407	2.018.060,610	27,204	26,740	59	56	84.459	12.797,645	174.294,334	13,619	13,156
10	7	98.909	71.834,992	1.943.877,204	27,060	26,597	60	57	83.235	12.215,291	161.496,688	13,221	12,757
11	8	98.891	69.561,246	1.872.042,211	26,912	26,449	61	58	81.931	11.645,388	149.281,397	12,819	12,355
12	9	98.868	67.355,468	1.802.480,965	26,761	26,297	62	59	80.557	11.089,691	137.636,010	12,411	11,948
13	10	98.848	65.222,586	1.735.125,498	26,603	26,140	63	60	79.068	10.542,080	126.546,318	12,004	11,540
14	11	98.827	63.156,073	1.669.902,912	26,441	25,977	64	61	77.496	10.007,312	116.004,239	11,592	11,128
15	12	98.800	61.151,089	1.606.746,839	26,275	25,811	65	62	75.844	9.485,668	105.996,927	11,174	10,711
16	13	98.768	59.207,237	1.545.595,750	26,105	25,641	66	63	74.047	8.969,393	96.511,258	10,760	10,296
17	14	98.720	57.316,053	1.486.388,514	25,933	25,470	67	64	72.136	8.462,882	87.541,866	10,344	9,881
18	15	98.659	55.477,314	1.429.072,460	25,760	25,296	68	65	70.075	7.962,271	79.078,983	9,932	9,468
19	16	98.567	53.680,707	1.373.595,146	25,588	25,125	69	66	67.859	7.467,846	71.116,712	9,523	9,059
20	17	98.466	51.938,124	1.319.914,439	25,413	24,950	70	67	65.513	6.982,705	63.648,867	9,115	8,652
21	18	98.370	50.253,965	1.267.976,315	25,231	24,768	71	68	62.998	6.503,261	56.666,161	8,713	8,250
22	19	98.264	48.619,971	1.217.722,350	25,046	24,582	72	69	60.316	6.030,440	50.162,901	8,318	7,855
23	20	98.163	47.041,013	1.169.102,379	24,853	24,389	73	70	57.450	5.563,108	44.132,461	7,933	7,469
24	21	98.059	45.512,153	1.122.061,367	24,654	24,190	74	71	54.437	5.105,415	38.569,352	7,555	7,091
25	22	97.964	44.036,807	1.076.549,213	24,447	23,983	75	72	51.281	4.658,019	33.463,937	7,184	6,721
26	23	97.866	42.607,924	1.032.512,407	24,233	23,769	76	73	48.028	4.225,236	28.805,918	6,818	6,354
27	24	97.771	41.226,483	989.904,482	24,011	23,548	77	74	44.703	3.808,884	24.580,682	6,454	5,990
28	25	97.674	39.889,402	948.677,999	23,783	23,319	78	75	41.294	3.407,698	20.771,799	6,096	5,632
29	26	97.578	38.595,907	908.788,597	23,546	23,083	79	76	37.782	3.019,711	17.364,100	5,750	5,287
30	27	97.482	37.344,274	870.192,690	23,302	22,838	80	77	34.245	2.650,871	14.344,390	5,411	4,948
31	28	97.383	36.131,832	832.848,416	23,050	22,587	81	78	30.668	2.299,304	11.693,519	5,086	4,622
32	29	97.277	34.956,497	796.716,585	22,792	22,328	82	79	27.107	1.968,329	9.394,215	4,773	4,309
33	30	97.169	33.818,533	761.760,088	22,525	22,061	83	80	23.529	1.654,767	7.425,886	4,488	4,024
34	31	97.052	32.714,580	727.941,555	22,251	21,788	84	81	20.102	1.369,256	5.771,119	4,215	3,751
35	32	96.924	31.643,254	695.226,975	21,971	21,507	85	82	16.889	1.114,154	4.401,863	3,951	3,487
36	33	96.789	30.604,261	663.583,721	21,683	21,219	86	83	13.962	892,057	3.287,709	3,686	3,222
37	34	96.641	29.595,641	632.979,460	21,388	20,924	87	84	11.244	695,821	2.395,652	3,443	2,979
38	35	96.479	28.616,006	603.383,819	21,086	20,622	88	85	8.788	526,690	1.699,832	3,227	2,764
39	36	96.296	27.662,900	574.767,813	20,778	20,314	89	86	6.697	388,727	1.173,142	3,018	2,554
40	37	96.094	26.735,735	547.104,912	20,463	20,000	90	87	4.939	277,668	784,415	2,825	2,361
41	38	95.869	25.833,728	520.369,177	20,143	19,679	91	88	3.511	191,202	506,747	2,650	2,187
42	39	95.620	24.955,560	494.535,449	19,817	19,353	92	89	2.401	126,619	315,545	2,492	2,028
43	40	95.333	24.097,426	469.579,890	19,487	19,023	93	90	1.575	80,440	188,926	2,349	1,885
44	41	95.014	23.260,881	445.482,464	19,152	18,688	94	91	991	49,032	108,487	2,213	1,749
45	42	94.666	22.446,048	422.221,583	18,811	18,347	95	92	591	28,329	59,454	2,099	1,635
46	43	94.268	21.648,245	399.775,535	18,467	18,003	96	93	336	15,598	31,126	1,995	1,532
47	44	93.826	20.868,533	378.127,290	18,119	17,656	97	94	182	8,165	15,527	1,902	1,438
48	45	93.345	20.107,872	357.258,757	17,767	17,303	98	95	93	4,053	7,362	1,817	1,353
49	46	92.816	19.364,669	337.150,885	17,411	16,947	99	96	45	1,903	3,310	1,740	1,276
							100	97	21	0,843	1,407	1,669	1,206

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 4 Jahre

Zinsfuß 3,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	46	92.399	18.670,948	320.244,021	17,152	16,688
1							51	47	91.776	17.961,318	301.573,073	16,790	16,327
2							52	48	91.123	17.272,171	283.611,755	16,420	15,957
3							53	49	90.397	16.595,130	266.339,583	16,049	15,586
4	0	99.465	87.520,880	2.430.488,864	27,770	27,307	54	50	89.613	15.933,298	249.744,454	15,674	15,211
5	1	99.074	84.432,810	2.342.967,984	27,749	27,286	55	51	88.779	15.288,258	233.811,156	15,294	14,830
6	2	99.025	81.734,638	2.258.535,173	27,633	27,169	56	52	87.870	14.655,378	218.522,898	14,911	14,447
7	3	98.994	79.137,001	2.176.800,535	27,507	27,043	57	53	86.918	14.040,336	203.867,520	14,520	14,057
8	4	98.965	76.623,387	2.097.663,535	27,376	26,913	58	54	85.894	13.438,159	189.827,184	14,126	13,662
9	5	98.940	74.193,105	2.021.040,147	27,240	26,777	59	55	84.780	12.846,292	176.389,025	13,731	13,267
10	6	98.918	71.841,612	1.946.847,042	27,099	26,636	60	56	83.571	12.264,530	163.542,733	13,335	12,871
11	7	98.900	69.567,305	1.875.005,430	26,952	26,489	61	57	82.298	11.697,595	151.278,203	12,932	12,469
12	8	98.877	67.361,934	1.805.438,125	26,802	26,338	62	58	80.947	11.143,354	139.580,608	12,526	12,062
13	9	98.855	65.226,801	1.738.076,191	26,647	26,183	63	59	79.472	10.595,947	128.437,255	12,121	11,658
14	10	98.835	63.161,384	1.672.849,391	26,485	26,022	64	60	77.925	10.062,699	117.841,307	11,711	11,247
15	11	98.809	61.156,824	1.609.688,007	26,321	25,857	65	61	76.273	9.539,350	107.778,608	11,298	10,835
16	12	98.776	59.212,266	1.548.531,183	26,152	25,689	66	62	74.516	9.026,194	98.239,258	10,884	10,420
17	13	98.730	57.321,607	1.489.318,917	25,982	25,518	67	63	72.630	8.520,840	89.213,065	10,470	10,006
18	14	98.670	55.483,779	1.431.997,310	25,809	25,346	68	64	70.591	8.020,927	80.692,225	10,060	9,597
19	15	98.584	53.690,300	1.376.513,530	25,638	25,174	69	65	68.418	7.529,341	72.671,299	9,652	9,188
20	16	98.487	51.949,126	1.322.823,231	25,464	25,000	70	66	66.112	7.046,523	65.141,958	9,245	8,781
21	17	98.391	50.265,024	1.270.874,105	25,283	24,820	71	67	63.645	6.570,045	58.095,435	8,842	8,379
22	18	98.293	48.633,958	1.220.609,081	25,098	24,634	72	68	61.014	6.100,212	51.525,390	8,446	7,983
23	19	98.190	47.054,056	1.171.975,123	24,907	24,443	73	69	58.193	5.635,000	45.425,178	8,061	7,598
24	20	98.090	45.526,533	1.124.921,067	24,709	24,246	74	70	55.222	5.179,028	39.790,178	7,683	7,219
25	21	97.988	44.047,584	1.079.394,534	24,505	24,042	75	71	52.126	4.734,780	34.611,150	7,310	6,846
26	22	97.893	42.619,463	1.035.346,950	24,293	23,829	76	72	48.910	4.302,812	29.876,370	6,943	6,480
27	23	97.796	41.237,242	992.727,487	24,074	23,610	77	73	45.632	3.888,093	25.573,558	6,577	6,114
28	24	97.701	39.900,242	951.490,245	23,847	23,383	78	74	42.256	3.487,070	21.685,465	6,219	5,755
29	25	97.602	38.605,406	911.590,003	23,613	23,149	79	75	38.787	3.100,088	18.198,394	5,870	5,407
30	26	97.510	37.354,732	872.984,596	23,370	22,906	80	76	35.266	2.729,897	15.098,306	5,531	5,067
31	27	97.411	36.142,365	835.629,865	23,121	22,657	81	77	31.700	2.376,621	12.368,409	5,204	4,741
32	28	97.306	34.966,876	799.487,500	22,864	22,401	82	78	28.150	2.044,088	9.991,788	4,888	4,425
33	29	97.197	33.828,435	764.520,624	22,600	22,136	83	79	24.563	1.727,433	7.947,701	4,601	4,137
34	30	97.084	32.725,295	730.692,189	22,328	21,864	84	80	21.132	1.439,374	6.220,267	4,322	3,858
35	31	96.959	31.654,561	697.966,895	22,049	21,586	85	81	17.886	1.179,928	4.780,893	4,052	3,588
36	32	96.823	30.615,147	666.312,333	21,764	21,301	86	82	14.926	953,688	3.600,966	3,776	3,312
37	33	96.679	29.607,471	635.697,186	21,471	21,007	87	83	12.112	749,530	2.647,278	3,532	3,068
38	34	96.524	28.629,428	606.089,715	21,170	20,707	88	84	9.556	572,714	1.897,747	3,314	2,850
39	35	96.346	27.677,070	577.460,286	20,864	20,401	89	85	7.333	425,687	1.325,033	3,113	2,649
40	36	96.148	26.750,861	549.783,216	20,552	20,088	90	86	5.493	308,799	899,346	2,912	2,449
41	37	95.928	25.849,579	523.032,355	20,234	19,770	91	87	3.981	216,752	590,547	2,725	2,261
42	38	95.687	24.973,029	497.182,776	19,909	19,445	92	88	2.765	145,795	373,795	2,564	2,100
43	39	95.409	24.116,726	472.209,747	19,580	19,117	93	89	1.849	94,438	228,000	2,414	1,951
44	40	95.097	23.281,135	448.093,021	19,247	18,783	94	90	1.185	58,613	133,562	2,279	1,815
45	41	94.759	22.468,257	424.811,886	18,907	18,444	95	91	728	34,862	74,949	2,150	1,686
46	42	94.374	21.672,620	402.343,629	18,565	18,101	96	92	423	19,630	40,087	2,042	1,578
47	43	93.948	20.895,656	380.671,009	18,218	17,754	97	93	234	10,522	20,457	1,944	1,481
48	44	93.475	20.135,901	359.775,353	17,867	17,404	98	94	123	5,355	9,935	1,855	1,392
49	45	92.963	19.395,431	339.639,452	17,511	17,048	99	95	61	2,581	4,581	1,775	1,311
							100	96	29	1,175	2,000	1,702	1,238

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 5 Jahre

Zinsfuß 3,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	45	92.546	18.700,608	322.512,352	17,246	16,782
1							51	46	91.942	17.993,634	303.811,745	16,884	16,421
2							52	47	91.301	17.305,825	285.818,110	16,516	16,052
3							53	48	90.589	16.630,385	268.512,286	16,146	15,682
4							54	49	89.829	15.971,738	251.881,901	15,770	15,307
5	0	99.452	84.754,618	2.346.100,539	27,681	27,217	55	50	89.004	15.326,983	235.910,163	15,392	14,928
6	1	99.061	81.763,921	2.261.345,920	27,657	27,193	56	51	88.115	14.696,193	220.583,180	15,010	14,546
7	2	99.014	79.152,650	2.179.581,999	27,536	27,073	57	52	87.182	14.082,912	205.886,987	14,620	14,156
8	3	98.982	76.636,542	2.100.429,349	27,408	26,944	58	53	86.166	13.480,725	191.804,075	14,228	13,764
9	4	98.953	74.202,689	2.023.792,807	27,274	26,810	59	54	85.076	12.891,131	178.323,350	13,833	13,369
10	5	98.931	71.851,005	1.949.590,118	27,134	26,670	60	55	83.888	12.311,150	165.432,220	13,438	12,974
11	6	98.909	69.573,716	1.877.739,114	26,989	26,526	61	56	82.630	11.744,747	153.121,070	13,037	12,574
12	7	98.886	67.367,801	1.808.165,398	26,840	26,377	62	57	81.310	11.193,310	141.376,322	12,630	12,167
13	8	98.864	65.233,062	1.740.797,597	26,686	26,222	63	58	79.856	10.647,220	130.183,012	12,227	11,763
14	9	98.842	63.165,466	1.675.564,535	26,527	26,063	64	59	78.323	10.114,117	119.535,792	11,819	11,355
15	10	98.817	61.161,967	1.612.399,069	26,363	25,899	65	60	76.695	9.592,147	109.421,675	11,407	10,944
16	11	98.786	59.217,819	1.551.237,102	26,195	25,732	66	61	74.938	9.077,275	99.829,527	10,998	10,534
17	12	98.738	57.326,476	1.492.019,283	26,027	25,563	67	62	73.090	8.574,800	90.752,253	10,584	10,120
18	13	98.680	55.489,156	1.434.692,807	25,855	25,392	68	63	71.074	8.075,857	82.177,453	10,176	9,712
19	14	98.596	53.696,557	1.379.203,651	25,685	25,222	69	64	68.922	7.584,807	74.101,595	9,770	9,306
20	15	98.505	51.958,409	1.325.507,094	25,511	25,047	70	65	66.656	7.104,548	66.516,789	9,363	8,899
21	16	98.412	50.275,671	1.273.548,686	25,331	24,868	71	66	64.226	6.630,091	59.412,240	8,961	8,497
22	17	98.314	48.644,660	1.223.273,014	25,147	24,683	72	67	61.641	6.162,857	52.782,149	8,565	8,101
23	18	98.219	47.067,593	1.174.628,354	24,956	24,493	73	68	58.866	5.700,197	46.619,292	8,179	7,715
24	19	98.117	45.539,157	1.127.560,761	24,760	24,297	74	69	55.936	5.245,956	40.919,095	7,800	7,336
25	20	98.019	44.061,501	1.082.021,604	24,557	24,093	75	70	52.878	4.803,049	35.673,139	7,427	6,964
26	21	97.916	42.629,893	1.037.960,103	24,348	23,885	76	71	49.716	4.373,720	30.870,090	7,058	6,594
27	22	97.823	41.248,410	995.330,210	24,130	23,667	77	72	46.470	3.959,479	26.496,370	6,692	6,228
28	23	97.726	39.910,655	954.081,800	23,905	23,442	78	73	43.134	3.559,587	22.536,891	6,331	5,868
29	24	97.629	38.615,897	914.171,145	23,673	23,210	79	74	39.691	3.172,295	18.977,304	5,982	5,519
30	25	97.534	37.363,926	875.555,248	23,433	22,970	80	75	36.204	2.802,560	15.805,008	5,639	5,176
31	26	97.438	36.152,486	838.191,322	23,185	22,721	81	76	32.645	2.447,472	13.002,448	5,313	4,849
32	27	97.334	34.977,069	802.038,836	22,930	22,467	82	77	29.097	2.112,823	10.554,977	4,996	4,532
33	28	97.226	33.838,479	767.061,767	22,668	22,205	83	78	25.508	1.793,920	8.442,154	4,706	4,242
34	29	97.112	32.734,877	733.223,288	22,399	21,935	84	79	22.060	1.502,582	6.648,234	4,425	3,961
35	30	96.991	31.664,929	700.488,412	22,122	21,658	85	80	18.802	1.240,350	5.145,652	4,149	3,685
36	31	96.858	30.626,087	668.823,483	21,838	21,375	86	81	15.807	1.009,989	3.905,301	3,867	3,403
37	32	96.714	29.618,003	638.197,395	21,548	21,084	87	82	12.949	801,315	2.895,313	3,613	3,150
38	33	96.563	28.640,873	608.579,393	21,249	20,785	88	83	10.293	616,921	2.093,998	3,394	2,931
39	34	96.391	27.690,052	579.938,520	20,944	20,480	89	84	7.974	462,885	1.477,077	3,191	2,727
40	35	96.197	26.764,564	552.248,469	20,634	20,170	90	85	6.015	338,160	1.014,192	2,999	2,536
41	36	95.982	25.864,205	525.483,905	20,317	19,853	91	86	4.427	241,054	676,032	2,804	2,341
42	37	95.746	24.988,352	499.619,700	19,994	19,530	92	87	3.134	165,277	434,978	2,632	2,168
43	38	95.476	24.133,607	474.631,348	19,667	19,203	93	88	2.129	108,740	269,701	2,480	2,017
44	39	95.173	23.299,781	450.497,741	19,335	18,871	94	89	1.391	68,813	160,961	2,339	1,875
45	40	94.842	22.487,821	427.197,960	18,997	18,533	95	90	870	41,674	92,148	2,211	1,748
46	41	94.468	21.694,064	404.710,139	18,655	18,192	96	91	521	24,157	50,474	2,089	1,626
47	42	94.054	20.919,184	383.016,075	18,309	17,846	97	92	295	13,241	26,316	1,987	1,524
48	43	93.596	20.162,072	362.096,891	17,959	17,496	98	93	159	6,900	13,075	1,895	1,431
49	44	93.093	19.422,467	341.934,819	17,605	17,141	99	94	81	3,410	6,175	1,811	1,347
							100	95	39	1,594	2,765	1,735	1,271

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 6 Jahre

Zinsfuß 3,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	44	92.675	18.726,675	324.602,198	17,334	16,870
1							51	45	92.088	18.022,218	305.875,523	16,972	16,509
2							52	46	91.465	17.336,962	287.853,305	16,603	16,140
3							53	47	90.766	16.662,788	270.516,343	16,235	15,771
4							54	48	90.020	16.005,669	253.853,555	15,860	15,397
5							55	49	89.219	15.363,960	237.847,886	15,481	15,017
6	0	99.438	82.075,557	2.264.245,853	27,587	27,124	56	50	88.338	14.733,419	222.483,926	15,101	14,637
7	1	99.049	79.181,008	2.182.170,297	27,559	27,096	57	51	87.425	14.122,132	207.750,508	14,711	14,247
8	2	99.002	76.651,697	2.102.989,288	27,436	26,972	58	52	86.427	13.521,603	193.628,375	14,320	13,856
9	3	98.970	74.215,428	2.026.337,592	27,303	26,840	59	53	85.345	12.931,964	180.106,772	13,927	13,464
10	4	98.944	71.860,286	1.952.122,164	27,166	26,702	60	54	84.181	12.354,121	167.174,808	13,532	13,068
11	5	98.922	69.582,812	1.880.261,878	27,022	26,558	61	55	82.944	11.789,392	154.820,687	13,132	12,669
12	6	98.895	67.374,009	1.810.679,066	26,875	26,411	62	56	81.637	11.238,429	143.031,296	12,727	12,263
13	7	98.873	65.238,744	1.743.305,057	26,722	26,258	63	57	80.214	10.694,953	131.792,866	12,323	11,859
14	8	98.851	63.171,529	1.678.066,313	26,564	26,100	64	58	78.702	10.163,509	121.097,913	11,915	11,452
15	9	98.824	61.165,920	1.614.894,784	26,402	25,938	65	59	77.087	9.641,161	110.934,854	11,506	11,043
16	10	98.794	59.222,799	1.553.728,864	26,235	25,772	66	60	75.352	9.127,515	101.293,693	11,098	10,634
17	11	98.748	57.331,852	1.494.506,065	26,068	25,604	67	61	73.504	8.623,326	92.166,179	10,688	10,224
18	12	98.688	55.493,869	1.437.174,213	25,898	25,434	68	62	71.524	8.127,000	83.542,852	10,280	9,816
19	13	98.605	53.701,760	1.381.680,344	25,729	25,265	69	63	69.394	7.636,751	75.415,853	9,875	9,412
20	14	98.516	51.964,464	1.327.978,584	25,556	25,092	70	64	67.147	7.156,885	67.779,102	9,470	9,007
21	15	98.430	50.284,656	1.276.014,120	25,376	24,912	71	65	64.755	6.684,687	60.622,217	9,069	8,605
22	16	98.335	48.654,964	1.225.729,464	25,192	24,729	72	66	62.204	6.219,182	53.937,529	8,673	8,209
23	17	98.240	47.077,951	1.177.074,500	25,003	24,539	73	67	59.470	5.758,734	47.718,347	8,286	7,823
24	18	98.146	45.552,257	1.129.996,549	24,807	24,343	74	68	56.583	5.306,652	41.959,613	7,907	7,443
25	19	98.046	44.073,719	1.084.444,292	24,605	24,142	75	69	53.561	4.865,119	36.652,961	7,534	7,070
26	20	97.947	42.643,363	1.040.370,573	24,397	23,933	76	70	50.433	4.436,782	31.787,843	7,165	6,701
27	21	97.846	41.258,504	997.727,211	24,182	23,719	77	71	47.236	4.024,729	27.351,060	6,796	6,332
28	22	97.753	39.921,463	956.468,706	23,959	23,495	78	72	43.926	3.624,942	23.326,331	6,435	5,971
29	23	97.654	38.625,975	916.547,243	23,729	23,265	79	73	40.516	3.238,266	19.701,389	6,084	5,620
30	24	97.560	37.374,079	877.921,268	23,490	23,026	80	74	37.048	2.867,837	16.463,123	5,741	5,277
31	25	97.462	36.161,384	840.547,188	23,244	22,781	81	75	33.514	2.512,618	13.595,286	5,411	4,947
32	26	97.361	34.986,864	804.385,804	22,991	22,527	82	76	29.964	2.175,809	11.082,669	5,094	4,630
33	27	97.254	33.848,343	769.398,940	22,731	22,267	83	77	26.366	1.854,243	8.906,859	4,804	4,340
34	28	97.141	32.744,596	735.550,597	22,463	22,000	84	78	22.909	1.560,414	7.052,617	4,520	4,056
35	29	97.019	31.674,200	702.806,001	22,189	21,725	85	79	19.627	1.294,818	5.492,202	4,242	3,778
36	30	96.889	30.636,118	671.131,801	21,907	21,443	86	80	16.617	1.061,709	4.197,384	3,953	3,490
37	31	96.748	29.628,586	640.495,683	21,617	21,154	87	81	13.714	848,620	3.135,675	3,695	3,231
38	32	96.597	28.651,060	610.867,097	21,321	20,857	88	82	11.004	659,543	2.287,055	3,468	3,004
39	33	96.429	27.701,120	582.216,036	21,018	20,554	89	83	8.590	498,615	1.627,511	3,264	2,800
40	34	96.242	26.777,117	554.514,916	20,709	20,245	90	84	6.540	367,709	1.128,896	3,070	2,606
41	35	96.032	25.877,453	527.737,799	20,394	19,930	91	85	4.848	263,973	761,187	2,884	2,420
42	36	95.800	25.002,490	501.860,346	20,072	19,609	92	86	3.485	183,808	497,213	2,705	2,241
43	37	95.535	24.148,416	476.857,856	19,747	19,283	93	87	2.413	123,271	313,406	2,542	2,079
44	38	95.240	23.316,091	452.709,441	19,416	18,953	94	88	1.602	79,234	190,135	2,400	1,936
45	39	94.918	22.505,832	429.393,350	19,079	18,616	95	89	1.021	48,926	110,900	2,267	1,803
46	40	94.550	21.712,954	406.887,518	18,739	18,276	96	90	622	28,878	61,974	2,146	1,682
47	41	94.147	20.939,882	385.174,564	18,394	17,931	97	91	363	16,295	33,096	2,031	1,567
48	42	93.702	20.184,773	364.234,681	18,045	17,581	98	92	199	8,684	16,801	1,935	1,471
49	43	93.214	19.447,710	344.049,908	17,691	17,227	99	93	104	4,394	8,118	1,847	1,384
							100	94	52	2,106	3,724	1,768	1,304

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 7 Jahre

Zinsfuß 3,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	43	92.796	18.751,014	326.526,074	17,414	16,950
1							51	44	92.216	18.047,340	307.775,059	17,054	16,590
2							52	45	91.611	17.364,502	289.727,720	16,685	16,221
3							53	46	90.929	16.692,768	272.363,218	16,316	15,853
4							54	47	90.195	16.036,855	255.670,450	15,943	15,479
5							55	48	89.408	15.396,600	239.633,595	15,564	15,100
6							56	49	88.551	14.768,963	224.236,995	15,183	14,719
7	0	99.427	79.482,800	2.184.853,642	27,488	27,025	57	50	87.646	14.157,904	209.468,032	14,795	14,332
8	1	99.037	76.679,159	2.105.370,843	27,457	26,993	58	51	86.668	13.559,261	195.310,127	14,404	13,941
9	2	98.990	74.230,104	2.028.691,684	27,330	26,866	59	52	85.604	12.971,178	181.750,867	14,012	13,548
10	3	98.961	71.872,622	1.954.461,580	27,193	26,730	60	53	84.448	12.393,253	168.779,689	13,619	13,155
11	4	98.935	69.591,800	1.882.588,957	27,052	26,588	61	54	83.234	11.830,541	156.386,435	13,219	12,755
12	5	98.908	67.382,817	1.812.997,157	26,906	26,442	62	55	81.948	11.281,150	144.555,894	12,814	12,350
13	6	98.882	65.244,756	1.745.614,340	26,755	26,291	63	56	80.538	10.738,063	133.274,745	12,411	11,948
14	7	98.860	63.177,032	1.680.369,584	26,598	26,134	64	57	79.055	10.208,621	122.536,681	12,003	11,540
15	8	98.833	61.171,792	1.617.192,552	26,437	25,973	65	58	77.460	9.687,814	112.328,061	11,595	11,131
16	9	98.800	59.226,626	1.556.020,761	26,272	25,809	66	59	75.737	9.174,154	102.640,247	11,188	10,724
17	10	98.756	57.336,674	1.496.794,134	26,105	25,642	67	60	73.910	8.671,054	93.466,093	10,779	10,315
18	11	98.698	55.499,073	1.439.457,460	25,937	25,473	68	61	71.929	8.172,992	84.795,038	10,375	9,911
19	12	98.614	53.706,321	1.383.958,387	25,769	25,305	69	62	69.834	7.685,112	76.622,047	9,970	9,507
20	13	98.526	51.969,499	1.330.252,066	25,597	25,133	70	63	67.607	7.205,899	68.936,934	9,567	9,103
21	14	98.441	50.290,516	1.278.282,567	25,418	24,954	71	64	65.232	6.733,932	61.731,036	9,167	8,704
22	15	98.353	48.663,659	1.227.992,051	25,234	24,771	72	65	62.716	6.270,394	54.997,104	8,771	8,307
23	16	98.261	47.087,923	1.179.328,392	25,045	24,582	73	66	60.014	5.811,365	48.726,710	8,385	7,921
24	17	98.167	45.562,282	1.132.240,469	24,850	24,387	74	67	57.164	5.361,148	42.915,344	8,005	7,541
25	18	98.075	44.086,398	1.086.678,187	24,649	24,185	75	68	54.181	4.921,408	37.554,196	7,631	7,167
26	19	97.975	42.655,187	1.042.591,790	24,442	23,979	76	69	51.085	4.494,119	32.632,789	7,261	6,798
27	20	97.877	41.271,540	999.936,603	24,228	23,765	77	70	47.917	4.082,760	28.138,670	6,892	6,428
28	21	97.776	39.931,233	958.665,063	24,008	23,544	78	71	44.650	3.684,679	24.055,910	6,529	6,065
29	22	97.681	38.636,436	918.733,829	23,779	23,315	79	72	41.260	3.297,721	20.371,231	6,177	5,714
30	23	97.586	37.383,833	880.097,394	23,542	23,079	80	73	37.818	2.927,477	17.073,510	5,832	5,369
31	24	97.489	36.171,211	842.713,560	23,298	22,834	81	74	34.294	2.571,141	14.146,033	5,502	5,038
32	25	97.385	34.995,475	806.542,349	23,047	22,583	82	75	30.762	2.233,724	11.574,892	5,182	4,718
33	26	97.282	33.857,822	771.546,874	22,788	22,324	83	76	27.152	1.909,520	9.341,168	4,892	4,428
34	27	97.169	32.754,141	737.689,052	22,522	22,058	84	77	23.679	1.612,886	7.431,648	4,608	4,144
35	28	97.048	31.683,605	704.934,911	22,249	21,786	85	78	20.383	1.344,654	5.818,762	4,327	3,864
36	29	96.918	30.645,088	673.251,306	21,969	21,506	86	79	17.347	1.108,332	4.474,108	4,037	3,573
37	30	96.780	29.638,290	642.606,218	21,682	21,218	87	80	14.416	892,077	3.365,776	3,773	3,309
38	31	96.631	28.661,298	612.967,928	21,387	20,923	88	81	11.654	698,479	2.473,699	3,542	3,078
39	32	96.464	27.710,974	584.306,629	21,086	20,622	89	82	9.183	533,064	1.775,219	3,330	2,867
40	33	96.281	26.787,821	556.595,656	20,778	20,314	90	83	7.045	396,093	1.242,156	3,136	2,672
41	34	96.077	25.889,590	529.807,835	20,464	20,001	91	84	5.272	287,040	846,063	2,948	2,484
42	35	95.849	25.015,297	503.918,244	20,144	19,681	92	85	3.817	201,284	559,023	2,777	2,314
43	36	95.589	24.162,078	478.902,948	19,820	19,357	93	86	2.684	137,092	357,739	2,609	2,146
44	37	95.298	23.330,398	454.740,869	19,491	19,028	94	87	1.816	89,822	220,647	2,456	1,993
45	38	94.984	22.521,586	431.410,472	19,155	18,692	95	88	1.176	56,336	130,824	2,322	1,859
46	39	94.626	21.730,344	408.888,886	18,816	18,353	96	89	731	33,903	74,488	2,197	1,733
47	40	94.229	20.958,116	387.158,542	18,473	18,009	97	90	433	19,479	40,585	2,084	1,620
48	41	93.794	20.204,745	366.200,426	18,124	17,661	98	91	245	10,686	21,106	1,975	1,511
49	42	93.319	19.469,607	345.995,681	17,771	17,307	99	92	131	5,530	10,420	1,884	1,421
							100	93	66	2,714	4,890	1,802	1,338

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 8 Jahre

Zinsfuß 3,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	42	92.900	18.772,127	328.294,494	17,488	17,025
1							51	43	92.336	18.070,796	309.522,367	17,128	16,665
2							52	44	91.738	17.388,707	291.451,571	16,761	16,297
3							53	45	91.073	16.719,285	274.062,864	16,392	15,928
4							54	46	90.357	16.065,708	257.343,579	16,018	15,555
5							55	47	89.583	15.426,599	241.277,871	15,640	15,177
6							56	48	88.739	14.800,339	225.851,272	15,260	14,796
7							57	49	87.858	14.192,061	211.050,933	14,871	14,407
8	0	99.415	76.971,414	2.107.853,008	27,385	26,921	58	50	86.888	13.593,607	196.858,872	14,482	14,018
9	1	99.025	74.256,699	2.030.881,593	27,349	26,886	59	51	85.842	13.007,303	183.265,265	14,089	13,626
10	2	98.981	71.886,835	1.956.624,895	27,218	26,755	60	52	84.704	12.430,834	170.257,963	13,696	13,233
11	3	98.952	69.603,747	1.884.738,059	27,078	26,614	61	53	83.497	11.868,015	157.827,129	13,299	12,835
12	4	98.920	67.391,521	1.815.134,312	26,934	26,471	62	54	82.234	11.320,525	145.959,113	12,893	12,430
13	5	98.895	65.253,286	1.747.742,791	26,784	26,320	63	55	80.844	10.778,881	134.638,588	12,491	12,027
14	6	98.869	63.182,854	1.682.489,505	26,629	26,165	64	56	79.374	10.249,771	123.859,707	12,084	11,621
15	7	98.842	61.177,120	1.619.306,651	26,469	26,006	65	57	77.808	9.731,245	113.609,936	11,675	11,211
16	8	98.810	59.232,312	1.558.129,532	26,305	25,842	66	58	76.104	9.218,547	103.878,691	11,268	10,805
17	9	98.762	57.340,379	1.498.897,220	26,140	25,677	67	59	74.288	8.715,361	94.660,144	10,861	10,398
18	10	98.706	55.503,741	1.441.556,840	25,972	25,509	68	60	72.327	8.218,227	85.944,783	10,458	9,994
19	11	98.623	53.711,358	1.386.053,100	25,806	25,342	69	61	70.229	7.728,604	77.726,556	10,057	9,593
20	12	98.534	51.973,913	1.332.341,742	25,635	25,171	70	62	68.035	7.251,532	69.997,952	9,653	9,189
21	13	98.451	50.295,389	1.280.367,828	25,457	24,993	71	63	65.679	6.780,048	62.746,420	9,255	8,791
22	14	98.364	48.669,330	1.230.072,439	25,274	24,810	72	64	63.178	6.316,586	55.966,372	8,860	8,397
23	15	98.279	47.096,337	1.181.403,109	25,085	24,621	73	65	60.508	5.859,220	49.649,785	8,474	8,010
24	16	98.188	45.571,933	1.134.306,772	24,890	24,427	74	66	57.686	5.410,145	43.790,565	8,094	7,631
25	17	98.096	44.096,100	1.088.734,839	24,690	24,226	75	67	54.737	4.971,947	38.380,420	7,719	7,256
26	18	98.003	42.667,458	1.044.638,739	24,483	24,020	76	68	51.676	4.546,116	33.408,473	7,349	6,885
27	19	97.905	41.282,984	1.001.971,282	24,271	23,807	77	69	48.536	4.135,521	28.862,357	6,979	6,516
28	20	97.807	39.943,850	960.688,297	24,051	23,587	78	70	45.294	3.737,806	24.726,836	6,615	6,152
29	21	97.705	38.645,891	920.744,447	23,825	23,362	79	71	41.940	3.352,066	20.989,030	6,262	5,798
30	22	97.612	37.393,957	882.098,556	23,589	23,126	80	72	38.512	2.981,226	17.636,964	5,916	5,452
31	23	97.514	36.180,651	844.704,599	23,347	22,883	81	73	35.007	2.624,611	14.655,738	5,584	5,120
32	24	97.412	35.004,985	808.523,948	23,097	22,634	82	74	31.478	2.285,752	12.031,128	5,264	4,800
33	25	97.306	33.866,155	773.518,963	22,840	22,377	83	75	27.875	1.960,347	9.745,376	4,971	4,508
34	26	97.196	32.763,314	739.652,808	22,576	22,112	84	76	24.385	1.660,968	7.785,029	4,687	4,223
35	27	97.076	31.692,841	706.889,494	22,304	21,841	85	77	21.068	1.389,870	6.124,061	4,406	3,943
36	28	96.946	30.654,187	675.196,653	22,026	21,563	86	78	18.014	1.150,991	4.734,191	4,113	3,650
37	29	96.808	29.646,968	644.542,466	21,741	21,277	87	79	15.049	931,251	3.583,200	3,848	3,384
38	30	96.663	28.670,686	614.895,498	21,447	20,983	88	80	12.251	734,248	2.651,949	3,612	3,148
39	31	96.498	27.720,876	586.224,812	21,147	20,684	89	81	9.725	564,533	1.917,701	3,397	2,933
40	32	96.315	26.797,350	558.503,936	20,842	20,378	90	82	7.532	423,458	1.353,168	3,196	2,732
41	33	96.115	25.899,939	531.706,587	20,529	20,066	91	83	5.678	309,197	929,710	3,007	2,543
42	34	95.894	25.027,030	505.806,648	20,210	19,747	92	84	4.150	218,873	620,513	2,835	2,371
43	35	95.638	24.174,455	480.779,618	19,888	19,424	93	85	2.939	150,127	401,640	2,675	2,212
44	36	95.352	23.343,597	456.605,163	19,560	19,097	94	86	2.019	99,893	251,513	2,518	2,054
45	37	95.043	22.535,405	433.261,566	19,226	18,762	95	87	1.333	63,864	151,620	2,374	1,910
46	38	94.692	21.745,555	410.726,161	18,888	18,424	96	88	841	39,038	87,756	2,248	1,784
47	39	94.305	20.974,901	388.980,606	18,545	18,081	97	89	509	22,869	48,719	2,130	1,667
48	40	93.876	20.222,338	368.005,705	18,198	17,734	98	90	293	12,774	25,850	2,024	1,560
49	41	93.411	19.488,872	347.783,366	17,845	17,382	99	91	161	6,805	13,076	1,921	1,458
							100	92	84	3,416	6,270	1,836	1,372

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 9 Jahre

Zinsfuß 3,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	41	92.992	18.790,701	329.918,140	17,558	17,094
1							51	42	92.440	18.091,143	311.127,439	17,198	16,734
2							52	43	91.857	17.411,307	293.036,296	16,830	16,367
3							53	44	91.200	16.742,591	275.624,989	16,463	15,999
4							54	45	90.501	16.091,229	258.882,398	16,088	15,625
5							55	46	89.744	15.454,355	242.791,169	15,710	15,247
6							56	47	88.912	14.829,177	227.336,814	15,330	14,867
7							57	48	88.044	14.222,211	212.507,637	14,942	14,478
8							58	49	87.097	13.626,401	198.285,427	14,552	14,088
9	0	99.403	74.539,721	2.033.177,302	27,276	26,813	59	50	86.060	13.040,251	184.659,025	14,161	13,697
10	1	99.016	71.912,590	1.958.637,581	27,236	26,773	60	51	84.940	12.465,454	171.618,774	13,768	13,304
11	2	98.971	69.617,511	1.886.724,990	27,101	26,638	61	52	83.750	11.904,003	159.153,321	13,370	12,906
12	3	98.937	67.403,091	1.817.107,479	26,959	26,495	62	53	82.494	11.356,383	147.249,317	12,966	12,503
13	4	98.908	65.261,715	1.749.704,388	26,811	26,347	63	54	81.126	10.816,504	135.892,934	12,563	12,100
14	5	98.882	63.191,114	1.684.442,673	26,656	26,193	64	55	79.676	10.288,733	125.076,430	12,157	11,693
15	6	98.851	61.182,757	1.621.251,559	26,499	26,035	65	56	78.121	9.770,471	114.787,698	11,748	11,285
16	7	98.818	59.237,471	1.560.068,802	26,336	25,872	66	57	76.445	9.259,875	105.017,227	11,341	10,877
17	8	98.772	57.345,884	1.500.831,331	26,172	25,708	67	58	74.648	8.757,534	95.757,352	10,934	10,471
18	9	98.712	55.507,328	1.443.485,447	26,005	25,542	68	59	72.697	8.260,220	86.999,818	10,532	10,069
19	10	98.631	53.715,875	1.387.978,119	25,839	25,376	69	60	70.617	7.771,380	78.739,597	10,132	9,668
20	11	98.543	51.978,788	1.334.262,244	25,669	25,206	70	61	68.420	7.292,570	70.968,218	9,732	9,268
21	12	98.459	50.299,661	1.282.283,456	25,493	25,029	71	62	66.095	6.822,985	63.675,648	9,333	8,869
22	13	98.374	48.674,046	1.231.983,795	25,311	24,847	72	63	63.611	6.359,845	56.852,663	8,939	8,476
23	14	98.290	47.101,826	1.183.309,749	25,122	24,659	73	64	60.954	5.902,383	50.492,818	8,555	8,091
24	15	98.206	45.580,077	1.136.207,923	24,928	24,464	74	65	58.161	5.454,696	44.590,435	8,175	7,711
25	16	98.117	44.105,440	1.090.627,847	24,728	24,264	75	66	55.237	5.017,388	39.135,740	7,800	7,336
26	17	98.024	42.676,847	1.046.522,407	24,522	24,058	76	67	52.206	4.592,801	34.118,352	7,429	6,965
27	18	97.933	41.294,860	1.003.845,559	24,309	23,846	77	68	49.098	4.183,369	29.525,551	7,058	6,594
28	19	97.834	39.954,926	962.550,699	24,091	23,627	78	69	45.879	3.786,110	25.342,182	6,693	6,230
29	20	97.735	38.658,102	922.595,773	23,866	23,402	79	70	42.545	3.400,398	21.556,072	6,339	5,876
30	21	97.636	37.403,109	883.937,672	23,633	23,169	80	71	39.147	3.030,355	18.155,674	5,991	5,528
31	22	97.541	36.190,449	846.534,563	23,391	22,927	81	72	35.650	2.672,799	15.125,320	5,659	5,195
32	23	97.437	35.014,121	810.344,114	23,143	22,680	82	73	32.133	2.333,286	12.452,521	5,337	4,873
33	24	97.332	33.875,358	775.329,993	22,888	22,424	83	74	28.524	2.006,007	10.119,235	5,044	4,581
34	25	97.220	32.771,378	741.454,635	22,625	22,161	84	75	25.034	1.705,179	8.113,227	4,758	4,294
35	26	97.104	31.701,716	708.683,257	22,355	21,891	85	76	21.696	1.431,304	6.408,048	4,477	4,013
36	27	96.975	30.663,123	676.981,541	22,078	21,614	86	77	18.620	1.189,694	4.976,744	4,183	3,720
37	28	96.837	29.655,771	646.318,418	21,794	21,330	87	78	15.628	967,094	3.787,050	3,916	3,452
38	29	96.691	28.679,080	616.662,647	21,502	21,039	88	79	12.789	766,491	2.819,956	3,679	3,215
39	30	96.530	27.729,955	587.983,567	21,204	20,740	89	80	10.223	593,442	2.053,465	3,460	2,997
40	31	96.349	26.806,925	560.253,612	20,900	20,436	90	81	7.977	448,457	1.460,023	3,256	2,792
41	32	96.149	25.909,152	533.446,687	20,589	20,125	91	82	6.071	330,559	1.011,566	3,060	2,597
42	33	95.932	25.037,034	507.537,535	20,271	19,808	92	83	4.471	235,768	681,007	2,888	2,425
43	34	95.683	24.185,793	482.500,501	19,950	19,486	93	84	3.196	163,245	445,239	2,727	2,264
44	35	95.401	23.355,554	458.314,707	19,623	19,160	94	85	2.211	109,391	281,994	2,578	2,114
45	36	95.096	22.548,155	434.959,153	19,290	18,827	95	86	1.482	71,024	172,603	2,430	1,967
46	37	94.750	21.758,898	412.410,998	18,954	18,490	96	87	954	44,254	101,579	2,295	1,832
47	38	94.371	20.989,584	390.652,100	18,612	18,148	97	88	586	26,332	57,325	2,177	1,713
48	39	93.951	20.238,535	369.662,516	18,265	17,802	98	89	345	14,997	30,993	2,067	1,603
49	40	93.493	19.505,841	349.423,982	17,914	17,450	99	90	193	8,135	15,995	1,966	1,503
							100	91	103	4,203	7,860	1,870	1,406

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 10 Jahre

Zinsfuß 3,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	40	93.073	18.807,063	331.407,399	17,621	17,158
1							51	41	92.531	18.109,043	312.600,336	17,262	16,798
2							52	42	91.961	17.430,912	294.491,292	16,895	16,431
3							53	43	91.319	16.764,351	277.060,381	16,527	16,063
4							54	44	90.627	16.113,660	260.296,030	16,154	15,690
5							55	45	89.886	15.478,905	244.182,370	15,775	15,312
6							56	46	89.072	14.855,857	228.703,466	15,395	14,931
7							57	47	88.216	14.249,922	213.847,608	15,007	14,543
8							58	48	87.282	13.655,350	199.597,686	14,617	14,153
9							59	49	86.267	13.071,711	185.942,336	14,225	13,761
10	0	99.393	72.186,679	1.960.760,806	27,162	26,699	60	50	85.155	12.497,029	172.870,626	13,833	13,369
11	1	99.007	69.642,453	1.888.574,128	27,118	26,655	61	51	83.984	11.937,156	160.373,597	13,435	12,971
12	2	98.957	67.416,420	1.818.931,675	26,981	26,517	62	52	82.744	11.390,820	148.436,441	13,031	12,568
13	3	98.924	65.272,919	1.751.515,254	26,834	26,370	63	53	81.383	10.850,765	137.045,621	12,630	12,166
14	4	98.895	63.199,277	1.686.242,336	26,681	26,218	64	54	79.954	10.324,644	126.194,855	12,223	11,759
15	5	98.864	61.190,756	1.623.043,059	26,524	26,061	65	55	78.418	9.807,611	115.870,211	11,814	11,351
16	6	98.827	59.242,930	1.561.852,303	26,364	25,900	66	56	76.753	9.297,201	106.062,600	11,408	10,944
17	7	98.780	57.350,879	1.502.609,373	26,200	25,737	67	57	74.982	8.796,795	96.765,400	11,000	10,536
18	8	98.722	55.512,656	1.445.258,494	26,035	25,571	68	58	73.049	8.300,191	87.968,604	10,598	10,135
19	9	98.637	53.719,346	1.389.745,838	25,870	25,407	69	59	70.978	7.811,090	79.668,414	10,199	9,736
20	10	98.552	51.983,159	1.336.026,492	25,701	25,238	70	60	68.799	7.332,932	71.857,324	9,799	9,336
21	11	98.468	50.304,378	1.284.043,332	25,525	25,062	71	61	66.469	6.861,597	64.524,392	9,404	8,940
22	12	98.382	48.678,180	1.233.738,954	25,345	24,881	72	62	64.014	6.400,120	57.662,795	9,010	8,546
23	13	98.299	47.106,390	1.185.060,774	25,157	24,693	73	63	61.371	5.942,805	51.262,675	8,626	8,162
24	14	98.217	45.585,388	1.137.954,384	24,963	24,500	74	64	58.590	5.494,879	45.319,870	8,248	7,784
25	15	98.134	44.113,322	1.092.368,995	24,763	24,299	75	65	55.692	5.058,704	39.824,991	7,873	7,409
26	16	98.045	42.685,887	1.048.255,673	24,557	24,094	76	66	52.683	4.634,777	34.766,287	7,501	7,038
27	17	97.954	41.303,948	1.005.569,786	24,346	23,882	77	67	49.602	4.226,329	30.131,510	7,129	6,666
28	18	97.863	39.966,420	964.265,838	24,127	23,663	78	68	46.410	3.829,915	25.905,181	6,764	6,300
29	19	97.763	38.668,821	924.299,419	23,903	23,439	79	69	43.094	3.444,341	22.075,266	6,409	5,946
30	20	97.667	37.414,926	885.630,598	23,671	23,207	80	70	39.711	3.074,048	18.630,925	6,061	5,597
31	21	97.565	36.199,306	848.215,671	23,432	22,968	81	71	36.238	2.716,845	15.556,877	5,726	5,262
32	22	97.464	35.023,603	812.016,365	23,185	22,721	82	72	32.723	2.376,126	12.840,032	5,404	4,940
33	23	97.357	33.884,199	776.992,762	22,931	22,467	83	73	29.117	2.047,724	10.463,906	5,110	4,646
34	24	97.247	32.780,283	743.108,563	22,669	22,206	84	74	25.617	1.744,896	8.416,182	4,823	4,360
35	25	97.127	31.709,519	710.328,280	22,401	21,937	85	75	22.274	1.469,402	6.671,286	4,540	4,077
36	26	97.002	30.671,710	678.618,761	22,125	21,662	86	76	19.175	1.225,161	5.201,884	4,246	3,782
37	27	96.865	29.664,416	647.947,051	21,843	21,379	87	77	16.154	999,614	3.976,724	3,978	3,515
38	28	96.720	28.687,595	618.282,635	21,552	21,089	88	78	13.281	795,992	2.977,110	3,740	3,276
39	29	96.558	27.738,074	589.595,040	21,256	20,792	89	79	10.672	619,502	2.181,118	3,521	3,057
40	30	96.381	26.815,705	561.856,966	20,953	20,489	90	80	8.385	471,422	1.561,615	3,313	2,849
41	31	96.184	25.918,410	535.041,261	20,643	20,180	91	81	6.429	350,073	1.090,193	3,114	2,651
42	32	95.967	25.045,940	509.122,850	20,328	19,864	92	82	4.780	252,057	740,120	2,936	2,473
43	33	95.721	24.195,461	484.076,911	20,007	19,543	93	83	3.443	175,846	488,063	2,776	2,312
44	34	95.446	23.366,509	459.881,449	19,681	19,218	94	84	2.405	118,950	312,127	2,625	2,161
45	35	95.145	22.559,705	436.514,940	19,349	18,886	95	85	1.623	77,777	193,268	2,485	2,021
46	36	94.804	21.771,209	413.955,235	19,014	18,550	96	86	1.061	49,216	115,490	2,347	1,883
47	37	94.428	21.002,463	392.184,027	18,673	18,210	97	87	664	29,851	66,274	2,220	1,757
48	38	94.017	20.252,702	371.181,564	18,328	17,864	98	88	397	17,269	36,424	2,109	1,646
49	39	93.568	19.521,464	350.928,862	17,977	17,513	99	89	227	9,551	19,155	2,006	1,542
							100	90	123	5,025	9,604	1,911	1,448

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 11 Jahre

Zinsfuß 3,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	39	93.148	18.822,126	332.772,900	17,680	17,216
1							51	40	92.612	18.124,812	313.950,775	17,322	16,858
2							52	41	92.052	17.448,159	295.825,963	16,955	16,491
3							53	42	91.422	16.783,227	278.377,804	16,587	16,123
4							54	43	90.745	16.134,603	261.594,577	16,213	15,750
5							55	44	90.012	15.500,481	245.459,975	15,836	15,372
6							56	45	89.213	14.879,456	229.959,493	15,455	14,991
7							57	46	88.374	14.275,560	215.080,037	15,066	14,603
8							58	47	87.452	13.681,957	200.804,477	14,677	14,213
9							59	48	86.451	13.099,481	187.122,520	14,285	13,821
10							60	49	85.360	12.527,178	174.023,039	13,892	13,428
11	0	99.384	69.907,889	1.890.538,045	27,043	26,580	61	50	84.196	11.967,393	161.495,861	13,495	13,031
12	1	98.992	67.440,573	1.820.630,156	26,996	26,532	62	51	82.975	11.422,543	149.528,468	13,091	12,627
13	2	98.944	65.285,827	1.753.189,582	26,854	26,390	63	52	81.630	10.883,669	138.105,925	12,689	12,226
14	3	98.912	63.210,126	1.687.903,756	26,703	26,239	64	53	80.207	10.357,348	127.222,256	12,283	11,820
15	4	98.876	61.198,661	1.624.693,629	26,548	26,084	65	54	78.692	9.841,843	116.864,908	11,874	11,411
16	5	98.840	59.250,675	1.563.494,969	26,388	25,924	66	55	77.045	9.332,542	107.023,064	11,468	11,004
17	6	98.790	57.356,164	1.504.244,293	26,226	25,763	67	56	75.285	8.832,254	97.690,523	11,061	10,597
18	7	98.730	55.517,491	1.446.888,130	26,062	25,598	68	57	73.376	8.337,401	88.858,269	10,658	10,194
19	8	98.647	53.724,503	1.391.370,638	25,898	25,435	69	58	71.322	7.848,887	80.520,867	10,259	9,795
20	9	98.558	51.986,519	1.337.646,135	25,731	25,267	70	59	69.151	7.370,401	72.671,981	9,860	9,396
21	10	98.477	50.308,609	1.285.659,616	25,555	25,092	71	60	66.837	6.899,574	65.301,579	9,465	9,001
22	11	98.391	48.682,746	1.235.351,008	25,376	24,912	72	61	64.376	6.436,340	58.402,005	9,074	8,610
23	12	98.308	47.110,391	1.186.668,262	25,189	24,725	73	62	61.760	5.980,439	51.965,665	8,689	8,226
24	13	98.227	45.589,806	1.139.557,871	24,996	24,532	74	63	58.991	5.532,510	45.985,226	8,312	7,848
25	14	98.146	44.118,463	1.093.968,065	24,796	24,333	75	64	56.102	5.095,970	40.452,716	7,938	7,475
26	15	98.063	42.693,515	1.049.849,603	24,590	24,127	76	65	53.117	4.672,942	35.356,746	7,566	7,103
27	16	97.975	41.312,697	1.007.156,087	24,379	23,915	77	66	50.055	4.264,955	30.683,803	7,194	6,731
28	17	97.884	39.975,215	965.843,391	24,161	23,697	78	67	46.887	3.869,246	26.418,848	6,828	6,364
29	18	97.791	38.679,945	925.868,175	23,937	23,473	79	68	43.593	3.484,192	22.549,602	6,472	6,008
30	19	97.694	37.425,301	887.188,231	23,706	23,242	80	69	40.225	3.113,774	19.065,410	6,123	5,659
31	20	97.595	36.210,743	849.762,930	23,467	23,004	81	70	36.760	2.756,018	15.951,637	5,788	5,324
32	21	97.488	35.032,175	813.552,186	23,223	22,759	82	71	33.262	2.415,283	13.195,619	5,463	5,000
33	22	97.384	33.893,375	778.520,012	22,970	22,506	83	72	29.652	2.085,321	10.780,336	5,170	4,706
34	23	97.272	32.788,838	744.626,636	22,710	22,246	84	73	26.150	1.781,183	8.695,015	4,882	4,418
35	24	97.154	31.718,136	711.837,798	22,443	21,979	85	74	22.793	1.503,627	6.913,833	4,598	4,134
36	25	97.026	30.679,259	680.119,662	22,169	21,705	86	75	19.686	1.257,772	5.410,205	4,301	3,838
37	26	96.892	29.672,723	649.440,403	21,887	21,423	87	76	16.635	1.029,413	4.152,434	4,034	3,570
38	27	96.748	28.695,958	619.767,680	21,598	21,134	88	77	13.728	822,759	3.123,020	3,796	3,332
39	28	96.587	27.746,310	591.071,722	21,303	20,839	89	78	11.083	643,346	2.300,262	3,575	3,112
40	29	96.409	26.823,557	563.325,412	21,001	20,538	90	79	8.753	492,124	1.656,916	3,367	2,903
41	30	96.215	25.926,899	536.501,856	20,693	20,229	91	80	6.758	368,000	1.164,792	3,165	2,702
42	31	96.001	25.054,890	510.574,956	20,378	19,915	92	81	5.062	266,937	796,792	2,985	2,521
43	32	95.755	24.204,068	485.520,067	20,059	19,596	93	82	3.681	187,995	529,855	2,818	2,355
44	33	95.484	23.375,850	461.315,999	19,735	19,271	94	83	2.590	128,131	341,860	2,668	2,204
45	34	95.190	22.570,286	437.940,150	19,403	18,940	95	84	1.765	84,574	213,728	2,527	2,063
46	35	94.852	21.782,360	415.369,863	19,069	18,605	96	85	1.161	53,895	129,155	2,396	1,933
47	36	94.482	21.014,345	393.587,503	18,729	18,266	97	86	739	33,197	75,259	2,267	1,803
48	37	94.075	20.265,129	372.573,158	18,385	17,921	98	87	450	19,576	42,062	2,149	1,685
49	38	93.633	19.535,129	352.308,029	18,035	17,571	99	88	261	10,997	22,486	2,045	1,581
							100	89	144	5,899	11,489	1,948	1,484

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 12 Jahre

Zinsfuß 3,25%

Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	38	93.213	18.835,301	334.023,951	17,734	17,270
1							51	39	92.686	18.139,328	315.188,649	17,376	16,912
2							52	40	92.132	17.463,352	297.049,322	17,010	16,546
3							53	41	91.512	16.799,833	279.585,970	16,642	16,179
4							54	42	90.847	16.152,769	262.786,137	16,269	15,805
5							55	43	90.129	15.520,627	246.633,368	15,891	15,427
6							56	44	89.338	14.900,198	231.112,740	15,511	15,047
7							57	45	88.515	14.298,238	216.212,543	15,122	14,658
8							58	46	87.610	13.706,573	201.914,305	14,731	14,268
9							59	47	86.619	13.125,004	188.207,732	14,340	13,876
10							60	48	85.542	12.553,792	175.082,728	13,947	13,483
11							61	49	84.399	11.996,265	162.528,936	13,548	13,085
12	0	99.370	67.697,617	1.822.447,106	26,920	26,457	62	50	83.185	11.451,477	150.532,671	13,145	12,682
13	1	98.980	65.309,217	1.754.749,489	26,868	26,405	63	51	81.857	10.913,980	139.081,195	12,743	12,280
14	2	98.931	63.222,626	1.689.440,272	26,722	26,258	64	52	80.450	10.388,755	128.167,215	12,337	11,873
15	3	98.893	61.209,167	1.626.217,646	26,568	26,105	65	53	78.941	9.873,018	117.778,459	11,929	11,466
16	4	98.853	59.258,329	1.565.008,479	26,410	25,946	66	54	77.314	9.365,116	107.905,442	11,522	11,058
17	5	98.802	57.363,662	1.505.750,150	26,249	25,786	67	55	75.571	8.865,828	98.540,326	11,115	10,651
18	6	98.740	55.522,608	1.448.386,488	26,086	25,623	68	56	73.672	8.371,009	89.674,498	10,713	10,249
19	7	98.656	53.729,183	1.392.863,880	25,924	25,460	69	57	71.642	7.884,074	81.303,490	10,312	9,849
20	8	98.567	51.991,509	1.339.134,698	25,757	25,293	70	58	69.485	7.406,066	73.419,415	9,913	9,450
21	9	98.483	50.311,860	1.287.143,188	25,583	25,120	71	59	67.178	6.934,829	66.013,349	9,519	9,055
22	10	98.400	48.686,840	1.236.831,329	25,404	24,940	72	60	64.732	6.471,963	59.078,520	9,128	8,665
23	11	98.317	47.114,810	1.188.144,489	25,218	24,754	73	61	62.110	6.014,284	52.606,556	8,747	8,283
24	12	98.235	45.593,678	1.141.029,679	25,026	24,562	74	62	59.365	5.567,546	46.592,273	8,369	7,905
25	13	98.155	44.122,738	1.095.436,001	24,827	24,363	75	63	56.487	5.130,866	41.024,727	7,996	7,532
26	14	98.074	42.698,491	1.051.313,264	24,622	24,158	76	64	53.508	4.707,362	35.893,857	7,625	7,161
27	15	97.992	41.320,080	1.008.614,773	24,410	23,946	77	65	50.467	4.300,076	31.186,491	7,253	6,789
28	16	97.905	39.983,683	967.294,694	24,192	23,729	78	66	47.315	3.904,608	26.886,415	6,886	6,422
29	17	97.812	38.688,457	927.311,011	23,969	23,505	79	67	44.041	3.519,972	22.981,807	6,529	6,065
30	18	97.722	37.436,067	888.622,554	23,737	23,273	80	68	40.690	3.149,800	19.461,835	6,179	5,715
31	19	97.622	36.220,784	851.186,487	23,500	23,036	81	69	37.235	2.791,634	16.312,035	5,843	5,380
32	20	97.518	35.043,243	814.965,703	23,256	22,792	82	70	33.742	2.450,107	13.520,401	5,518	5,055
33	21	97.408	33.901,670	779.922,460	23,005	22,542	83	71	30.140	2.119,686	11.070,293	5,223	4,759
34	22	97.298	32.797,718	746.020,790	22,746	22,282	84	72	26.630	1.813,885	8.950,608	4,934	4,471
35	23	97.179	31.726,414	713.223,072	22,480	22,017	85	73	23.267	1.534,897	7.136,722	4,650	4,186
36	24	97.052	30.687,596	681.496,658	22,208	21,744	86	74	20.144	1.287,067	5.601,826	4,352	3,889
37	25	96.916	29.680,026	650.809,062	21,928	21,464	87	75	17.078	1.056,814	4.314,758	4,083	3,619
38	26	96.775	28.703,994	621.129,036	21,639	21,175	88	76	14.137	847,286	3.257,944	3,845	3,382
39	27	96.615	27.754,398	592.425,041	21,345	20,882	89	77	11.456	664,979	2.410,658	3,625	3,162
40	28	96.438	26.831,521	564.670,643	21,045	20,581	90	78	9.090	511,065	1.745,679	3,416	2,952
41	29	96.243	25.934,490	537.839,122	20,738	20,275	91	79	7.055	384,160	1.234,614	3,214	2,750
42	30	96.032	25.063,096	511.904,632	20,425	19,961	92	80	5.321	280,606	850,453	3,031	2,567
43	31	95.789	24.212,717	486.841,536	20,107	19,643	93	81	3.898	199,093	569,847	2,862	2,399
44	32	95.518	23.384,164	462.628,820	19,784	19,320	94	82	2.769	136,984	370,754	2,707	2,243
45	33	95.228	22.579,308	439.244,655	19,453	18,990	95	83	1.901	91,102	233,770	2,566	2,102
46	34	94.897	21.792,577	416.665,347	19,120	18,656	96	84	1.263	58,605	142,668	2,434	1,971
47	35	94.530	21.025,109	394.872,770	18,781	18,317	97	85	809	36,354	84,063	2,312	1,849
48	36	94.128	20.276,594	373.847,660	18,437	17,974	98	86	500	21,771	47,709	2,191	1,728
49	37	93.691	19.547,115	353.571,066	18,088	17,625	99	87	296	12,467	25,938	2,081	1,617
							100	88	166	6,793	13,471	1,983	1,520

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 13 Jahre

Zinsfuß 3,25%

Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	37	93.270	18.846,858	335.169,409	17,784	17,320
1							51	38	92.751	18.152,025	316.322,551	17,426	16,963
2							52	39	92.206	17.477,338	298.170,525	17,060	16,597
3							53	40	91.592	16.814,462	280.693,187	16,694	16,230
4							54	41	90.937	16.168,752	263.878,726	16,320	15,857
5							55	42	90.230	15.538,103	247.709,974	15,942	15,478
6							56	43	89.454	14.919,563	232.171,871	15,562	15,098
7							57	44	88.638	14.318,169	217.252,308	15,173	14,710
8							58	45	87.749	13.728,347	202.934,139	14,782	14,319
9							59	46	86.775	13.148,619	189.205,793	14,390	13,926
10							60	47	85.709	12.578,252	176.057,174	13,997	13,533
11							61	48	84.579	12.021,750	163.478,922	13,599	13,135
12							62	49	83.386	11.479,104	151.457,172	13,194	12,731
13	0	99.357	65.558,137	1.756.431,012	26,792	26,328	63	50	82.065	10.941,625	139.978,068	12,793	12,330
14	1	98.967	63.245,277	1.690.872,876	26,735	26,272	64	51	80.674	10.417,688	129.036,443	12,386	11,923
15	2	98.913	61.221,271	1.627.627,599	26,586	26,122	65	52	79.181	9.902,956	118.618,755	11,978	11,514
16	3	98.870	59.268,502	1.566.406,327	26,429	25,965	66	53	77.559	9.394,780	108.715,799	11,572	11,108
17	4	98.815	57.371,072	1.507.137,825	26,270	25,806	67	54	75.834	8.896,773	99.321,018	11,164	10,700
18	5	98.752	55.529,866	1.449.766,753	26,108	25,644	68	55	73.952	8.402,829	90.424,246	10,761	10,298
19	6	98.665	53.734,134	1.394.236,887	25,947	25,483	69	56	71.930	7.915,854	82.021,417	10,362	9,898
20	7	98.576	51.996,038	1.340.502,753	25,781	25,317	70	57	69.797	7.439,268	74.105,562	9,961	9,498
21	8	98.493	50.316,690	1.288.506,715	25,608	25,144	71	58	67.504	6.968,387	66.666,294	9,567	9,103
22	9	98.406	48.689,986	1.238.190,025	25,430	24,966	72	59	65.063	6.505,033	59.697,907	9,177	8,714
23	10	98.325	47.118,772	1.189.500,039	25,245	24,781	73	60	62.453	6.047,571	53.192,874	8,796	8,332
24	11	98.244	45.597,954	1.142.381,267	25,053	24,590	74	61	59.701	5.599,054	47.145,303	8,420	7,957
25	12	98.164	44.126,485	1.096.783,313	24,855	24,392	75	62	56.844	5.163,362	41.546,249	8,046	7,583
26	13	98.084	42.702,628	1.052.656,828	24,651	24,187	76	63	53.875	4.739,604	36.382,887	7,676	7,213
27	14	98.004	41.324,895	1.009.954,200	24,439	23,976	77	64	50.839	4.331,753	31.643,283	7,305	6,841
28	15	97.922	39.990,828	968.629,305	24,221	23,758	78	65	47.705	3.936,761	27.311,530	6,938	6,474
29	16	97.833	38.696,652	928.638,477	23,998	23,534	79	66	44.443	3.552,142	23.374,769	6,580	6,117
30	17	97.743	37.444,306	889.941,825	23,767	23,303	80	67	41.108	3.182,146	19.822,626	6,229	5,766
31	18	97.651	36.231,204	852.497,520	23,529	23,066	81	68	37.666	2.823,933	16.640,480	5,893	5,429
32	19	97.545	35.052,960	816.266,316	23,287	22,823	82	69	34.178	2.481,770	13.816,547	5,567	5,104
33	20	97.438	33.912,381	781.213,356	23,036	22,573	83	70	30.575	2.150,248	11.334,777	5,271	4,808
34	21	97.322	32.805,745	747.300,974	22,780	22,316	84	71	27.069	1.843,777	9.184,528	4,981	4,518
35	22	97.205	31.735,006	714.495,230	22,514	22,051	85	72	23.694	1.563,077	7.340,751	4,696	4,233
36	23	97.077	30.695,605	682.760,224	22,243	21,779	86	73	20.563	1.313,833	5.777,673	4,398	3,934
37	24	96.943	29.688,092	652.064,619	21,964	21,500	87	74	17.476	1.081,429	4.463,840	4,128	3,664
38	25	96.799	28.711,059	622.376,528	21,677	21,214	88	75	14.513	869,839	3.382,411	3,889	3,425
39	26	96.642	27.762,171	593.665,469	21,384	20,920	89	76	11.797	684,803	2.512,572	3,669	3,205
40	27	96.466	26.839,343	565.903,298	21,085	20,621	90	77	9.396	528,250	1.827,768	3,460	2,996
41	28	96.272	25.942,191	539.063,955	20,779	20,316	91	78	7.327	398,946	1.299,518	3,257	2,794
42	29	96.060	25.070,434	513.121,765	20,467	20,004	92	79	5.555	292,929	900,572	3,074	2,611
43	30	95.820	24.220,647	488.051,331	20,150	19,687	93	80	4.098	209,289	607,644	2,903	2,440
44	31	95.552	23.392,520	463.830,684	19,828	19,365	94	81	2.933	145,071	398,355	2,746	2,282
45	32	95.262	22.587,340	440.438,163	19,499	19,036	95	82	2.033	97,396	253,284	2,601	2,137
46	33	94.935	21.801,289	417.850,823	19,166	18,703	96	83	1.360	63,129	155,888	2,469	2,006
47	34	94.575	21.034,971	396.049,535	18,828	18,365	97	84	880	39,530	92,759	2,347	1,883
48	35	94.176	20.286,980	375.014,564	18,485	18,022	98	85	548	23,841	53,229	2,233	1,769
49	36	93.744	19.558,175	354.727,584	18,137	17,673	99	86	329	13,864	29,388	2,120	1,656
							100	87	189	7,700	15,523	2,016	1,552

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 14 Jahre

Zinsfuß 3,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	36	93.323	18.857,522	336.218,132	17,829	17,366
1							51	37	92.808	18.163,163	317.360,610	17,473	17,009
2							52	38	92.270	17.489,572	299.197,447	17,107	16,644
3							53	39	91.665	16.827,928	281.707,875	16,740	16,277
4							54	40	91.016	16.182,831	264.879,947	16,368	15,904
5							55	41	90.319	15.553,477	248.697,116	15,990	15,526
6							56	42	89.555	14.936,362	233.143,639	15,609	15,146
7							57	43	88.753	14.336,778	218.207,277	15,220	14,756
8							58	44	87.871	13.747,483	203.870,499	14,830	14,366
9							59	45	86.913	13.169,506	190.123,016	14,437	13,973
10							60	46	85.863	12.600,883	176.953,510	14,043	13,579
11							61	47	84.744	12.045,173	164.352,627	13,645	13,181
12							62	48	83.563	11.503,491	152.307,454	13,240	12,776
13							63	49	82.263	10.968,022	140.803,963	12,838	12,374
14	0	99.344	63.486,331	1.692.429,690	26,658	26,195	64	50	80.879	10.444,076	129.835,941	12,432	11,968
15	1	98.948	61.243,205	1.628.943,360	26,598	26,134	65	51	79.401	9.930,536	119.391,865	12,023	11,559
16	2	98.890	59.280,223	1.567.700,155	26,446	25,982	66	52	77.794	9.423,269	109.461,329	11,616	11,152
17	3	98.832	57.380,921	1.508.419,932	26,288	25,824	67	53	76.075	8.924,954	100.038,060	11,209	10,745
18	4	98.765	55.537,039	1.451.039,011	26,127	25,664	68	54	74.210	8.432,158	91.113,106	10,805	10,342
19	5	98.678	53.741,159	1.395.501,971	25,967	25,503	69	55	72.204	7.945,944	82.680,948	10,405	9,942
20	6	98.585	52.000,829	1.341.760,812	25,803	25,339	70	56	70.078	7.469,255	74.735,004	10,006	9,542
21	7	98.501	50.321,072	1.289.759,983	25,631	25,167	71	57	67.806	6.999,627	67.265,749	9,610	9,146
22	8	98.415	48.694,660	1.239.438,911	25,453	24,990	72	58	65.378	6.536,511	60.266,122	9,220	8,756
23	9	98.332	47.121,817	1.190.744,250	25,269	24,806	73	59	62.772	6.078,473	53.729,611	8,839	8,376
24	10	98.252	45.601,789	1.143.622,434	25,078	24,615	74	60	60.031	5.630,043	47.651,139	8,464	8,000
25	11	98.173	44.130,624	1.098.020,645	24,881	24,418	75	61	57.166	5.192,582	42.021,096	8,093	7,629
26	12	98.092	42.706,255	1.053.890,021	24,678	24,214	76	62	54.216	4.769,619	36.828,513	7,721	7,258
27	13	98.013	41.328,899	1.011.183,766	24,467	24,003	77	63	51.187	4.361,419	32.058,894	7,351	6,887
28	14	97.934	39.995,488	969.854,867	24,249	23,785	78	64	48.056	3.965,762	27.697,476	6,984	6,521
29	15	97.850	38.703,567	929.859,379	24,025	23,562	79	65	44.809	3.581,393	23.731,713	6,626	6,163
30	16	97.764	37.452,237	891.155,811	23,794	23,331	80	66	41.484	3.211,229	20.150,320	6,275	5,811
31	17	97.672	36.239,177	853.703,574	23,557	23,094	81	67	38.053	2.852,933	16.939,091	5,937	5,474
32	18	97.573	35.063,044	817.464,397	23,314	22,851	82	68	34.573	2.510,484	14.086,158	5,611	5,147
33	19	97.465	33.921,785	782.401,353	23,065	22,601	83	69	30.970	2.178,036	11.575,674	5,315	4,851
34	20	97.353	32.816,110	748.479,568	22,808	22,345	84	70	27.459	1.870,362	9.397,638	5,025	4,561
35	21	97.229	31.742,772	715.663,459	22,546	22,082	85	71	24.084	1.588,836	7.527,276	4,738	4,274
36	22	97.104	30.703,918	683.920,687	22,275	21,811	86	72	20.940	1.337,956	5.938,440	4,438	3,975
37	23	96.968	29.695,840	653.216,769	21,997	21,533	87	73	17.839	1.103,919	4.600,485	4,167	3,704
38	24	96.825	28.718,861	623.520,929	21,711	21,248	88	74	14.851	890,099	3.496,566	3,928	3,465
39	25	96.666	27.769,004	594.802,068	21,420	20,956	89	75	12.111	703,031	2.606,467	3,707	3,244
40	26	96.493	26.846,859	567.033,064	21,121	20,657	90	76	9.676	543,998	1.903,436	3,499	3,035
41	27	96.300	25.949,753	540.186,206	20,817	20,353	91	77	7.573	412,361	1.359,438	3,297	2,833
42	28	96.089	25.077,878	514.236,452	20,506	20,042	92	78	5.768	304,203	947,076	3,113	2,650
43	29	95.849	24.227,739	489.158,575	20,190	19,726	93	79	4.277	218,479	642,873	2,942	2,479
44	30	95.583	23.400,182	464.930,836	19,869	19,405	94	80	3.083	152,500	424,394	2,783	2,319
45	31	95.296	22.595,411	441.530,654	19,541	19,077	95	81	2.153	103,146	271,894	2,636	2,172
46	32	94.968	21.809,043	418.935,243	19,209	18,746	96	82	1.454	67,490	168,748	2,500	2,037
47	33	94.612	21.043,379	397.126,200	18,872	18,408	97	83	947	42,582	101,258	2,378	1,914
48	34	94.220	20.296,496	376.082,821	18,529	18,066	98	84	596	25,924	58,676	2,263	1,800
49	35	93.792	19.568,193	355.786,325	18,182	17,718	99	85	360	15,183	32,752	2,157	1,694
							100	86	210	8,564	17,570	2,052	1,588

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 15 Jahre

Zinsfuß 3,25%

Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	35	93.371	18.867,181	337.178,135	17,871	17,408
1							51	36	92.860	18.173,440	318.310,955	17,515	17,052
2							52	37	92.327	17.500,304	300.137,515	17,150	16,687
3							53	38	91.729	16.839,708	282.637,211	16,784	16,320
4							54	39	91.089	16.195,791	265.797,503	16,412	15,948
5							55	40	90.398	15.567,020	249.601,712	16,034	15,570
6							56	41	89.643	14.951,141	234.034,692	15,653	15,190
7							57	42	88.853	14.352,920	219.083,551	15,264	14,800
8							58	43	87.985	13.765,351	204.730,631	14,873	14,409
9							59	44	87.034	13.187,863	190.965,280	14,480	14,017
10							60	45	85.999	12.620,900	177.777,416	14,086	13,622
11							61	46	84.896	12.066,845	165.156,517	13,687	13,223
12							62	47	83.726	11.525,904	153.089,671	13,282	12,819
13							63	48	82.437	10.991,323	141.563,767	12,880	12,416
14							64	49	81.074	10.469,273	130.572,444	12,472	12,008
15	0	99.326	61.476,628	1.630.385,378	26,520	26,057	65	50	79.602	9.955,690	120.103,171	12,064	11,600
16	1	98.925	59.301,461	1.568.908,751	26,456	25,993	66	51	78.011	9.449,512	110.147,481	11,656	11,193
17	2	98.852	57.392,269	1.509.607,290	26,303	25,840	67	52	76.305	8.952,018	100.697,969	11,249	10,785
18	3	98.782	55.546,574	1.452.215,021	26,144	25,680	68	53	74.445	8.458,867	91.745,951	10,846	10,383
19	4	98.690	53.748,101	1.396.668,447	25,985	25,522	69	54	72.456	7.973,679	83.287,084	10,445	9,982
20	5	98.598	52.007,628	1.342.920,346	25,822	25,358	70	55	70.344	7.497,648	75.313,405	10,045	9,581
21	6	98.510	50.325,709	1.290.912,719	25,651	25,188	71	56	68.079	7.027,841	67.815,757	9,650	9,186
22	7	98.424	48.698,902	1.240.587,009	25,475	25,011	72	57	65.671	6.565,815	60.787,916	9,258	8,795
23	8	98.341	47.126,340	1.191.888,108	25,291	24,828	73	58	63.076	6.107,886	54.222,101	8,877	8,414
24	9	98.259	45.604,736	1.144.761,767	25,102	24,638	74	59	60.338	5.658,811	48.114,215	8,503	8,039
25	10	98.181	44.134,335	1.099.157,032	24,905	24,441	75	60	57.482	5.221,322	42.455,404	8,131	7,668
26	11	98.101	42.710,260	1.055.022,696	24,702	24,238	76	61	54.523	4.796,611	37.234,082	7,763	7,299
27	12	98.022	41.332,410	1.012.312,436	24,492	24,028	77	62	51.511	4.389,038	32.437,471	7,391	6,927
28	13	97.943	39.999,364	970.980,026	24,275	23,811	78	63	48.386	3.992,921	28.048,432	7,025	6,561
29	14	97.862	38.708,078	930.980,663	24,051	23,588	79	64	45.139	3.607,776	24.055,511	6,668	6,204
30	15	97.782	37.458,930	892.272,585	23,820	23,356	80	65	41.825	3.237,672	20.447,735	6,316	5,852
31	16	97.693	36.246,853	854.813,655	23,583	23,119	81	66	38.401	2.879,007	17.210,063	5,978	5,514
32	17	97.595	35.070,760	818.566,802	23,340	22,877	82	67	34.928	2.536,265	14.331,056	5,650	5,187
33	18	97.493	33.931,543	783.496,042	23,090	22,627	83	68	31.328	2.203,236	11.794,790	5,353	4,890
34	19	97.380	32.825,209	749.564,498	22,835	22,371	84	69	27.814	1.894,532	9.591,555	5,063	4,599
35	20	97.260	31.752,801	716.739,289	22,572	22,109	85	70	24.432	1.611,745	7.697,022	4,776	4,312
36	21	97.128	30.711,432	684.986,488	22,304	21,840	86	71	21.286	1.360,004	6.085,277	4,474	4,011
37	22	96.994	29.703,882	654.275,056	22,027	21,563	87	72	18.167	1.124,187	4.725,273	4,203	3,740
38	23	96.851	28.726,356	624.571,175	21,742	21,278	88	73	15.160	908,610	3.601,086	3,963	3,500
39	24	96.692	27.776,550	595.844,818	21,451	20,988	89	74	12.393	719,406	2.692,477	3,743	3,279
40	25	96.517	26.853,466	568.068,268	21,154	20,691	90	75	9.934	558,478	1.973,070	3,533	3,069
41	26	96.327	25.957,020	541.214,802	20,850	20,387	91	76	7.799	424,654	1.414,592	3,331	2,868
42	27	96.117	25.085,188	515.257,782	20,540	20,077	92	77	5.962	314,432	989,938	3,148	2,685
43	28	95.877	24.234,932	490.172,594	20,226	19,762	93	78	4.442	226,888	675,506	2,977	2,514
44	29	95.611	23.407,033	465.937,662	19,906	19,442	94	79	3.218	159,196	448,618	2,818	2,354
45	30	95.327	22.602,812	442.530,628	19,579	19,115	95	80	2.263	108,428	289,421	2,669	2,206
46	31	95.002	21.816,836	419.927,816	19,248	18,784	96	81	1.540	71,474	180,993	2,532	2,069
47	32	94.646	21.050,865	398.110,980	18,912	18,448	97	82	1.013	45,524	109,519	2,406	1,942
48	33	94.258	20.304,609	377.060,115	18,570	18,107	98	83	642	27,925	63,995	2,292	1,828
49	34	93.836	19.577,371	356.755,507	18,223	17,759	99	84	392	16,509	36,070	2,185	1,721
							100	85	230	9,378	19,560	2,086	1,622

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 16 Jahre

Zinsfuß 3,25%

Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	34	93.414	18.876,030	338.056,923	17,909	17,446
1							51	35	92.908	18.182,748	319.180,893	17,554	17,090
2							52	36	92.379	17.510,205	300.998,144	17,190	16,726
3							53	37	91.786	16.850,041	283.487,939	16,824	16,361
4							54	38	91.153	16.207,129	266.637,899	16,452	15,988
5							55	39	90.470	15.579,488	250.430,770	16,074	15,611
6							56	40	89.721	14.964,160	234.851,282	15,694	15,231
7							57	41	88.941	14.367,122	219.887,123	15,305	14,841
8							58	42	88.085	13.780,850	205.520,001	14,913	14,450
9							59	43	87.147	13.205,004	191.739,151	14,520	14,057
10							60	44	86.119	12.638,493	178.534,147	14,126	13,663
11							61	45	85.031	12.086,014	165.895,655	13,726	13,263
12							62	46	83.876	11.546,642	153.809,641	13,321	12,857
13							63	47	82.598	11.012,739	142.262,999	12,918	12,454
14							64	48	81.246	10.491,514	131.250,260	12,510	12,047
15							65	49	79.794	9.979,709	120.758,746	12,100	11,637
16	0	99.302	59.527,483	1.570.245,118	26,378	25,915	66	50	78.208	9.473,448	110.779,037	11,694	11,230
17	1	98.887	57.412,831	1.510.717,635	26,313	25,850	67	51	76.518	8.976,949	101.305,589	11,285	10,821
18	2	98.802	55.557,558	1.453.304,804	26,159	25,695	68	52	74.671	8.484,518	92.328,640	10,882	10,418
19	3	98.707	53.757,328	1.397.747,246	26,001	25,537	69	53	72.685	7.998,936	83.844,123	10,482	10,018
20	4	98.611	52.014,346	1.343.989,918	25,839	25,375	70	54	70.590	7.523,818	75.845,187	10,081	9,617
21	5	98.523	50.332,289	1.291.975,572	25,669	25,205	71	55	68.338	7.054,556	68.321,369	9,685	9,221
22	6	98.433	48.703,389	1.241.643,283	25,494	25,030	72	56	65.936	6.592,281	61.266,814	9,294	8,830
23	7	98.350	47.130,445	1.192.939,894	25,311	24,848	73	57	63.359	6.135,268	54.674,533	8,912	8,448
24	8	98.268	45.609,114	1.145.809,449	25,122	24,659	74	58	60.630	5.686,194	48.539,265	8,536	8,073
25	9	98.187	44.137,187	1.100.200,335	24,927	24,463	75	59	57.776	5.248,002	42.853,071	8,166	7,702
26	10	98.109	42.713,852	1.056.063,148	24,724	24,261	76	60	54.825	4.823,159	37.605,069	7,797	7,333
27	11	98.031	41.336,286	1.013.349,295	24,515	24,051	77	61	51.803	4.413,877	32.781,910	7,427	6,963
28	12	97.952	40.002,761	972.013,009	24,299	23,835	78	62	48.692	4.018,208	28.368,033	7,060	6,596
29	13	97.871	38.711,828	932.010,248	24,076	23,612	79	63	45.448	3.632,484	24.349,826	6,703	6,240
30	14	97.793	37.463,295	893.298,420	23,845	23,381	80	64	42.133	3.261,523	20.717,342	6,352	5,888
31	15	97.710	36.253,331	855.835,125	23,607	23,143	81	65	38.717	2.902,715	17.455,819	6,014	5,550
32	16	97.616	35.078,189	819.581,794	23,364	22,901	82	66	35.248	2.559,445	14.553,104	5,686	5,222
33	17	97.515	33.939,010	784.503,605	23,115	22,651	83	67	31.650	2.225,862	11.993,659	5,388	4,925
34	18	97.408	32.834,652	750.564,595	22,859	22,395	84	68	28.136	1.916,452	9.767,797	5,097	4,633
35	19	97.287	31.761,606	717.729,943	22,597	22,134	85	69	24.747	1.632,573	7.851,345	4,809	4,346
36	20	97.158	30.721,135	685.968,337	22,329	21,865	86	70	21.592	1.379,613	6.218,772	4,508	4,044
37	21	97.018	29.711,151	655.247,201	22,054	21,590	87	71	18.466	1.142,713	4.839,159	4,235	3,771
38	22	96.877	28.734,136	625.536,050	21,770	21,306	88	72	15.438	925,292	3.696,446	3,995	3,531
39	23	96.717	27.783,799	596.801,914	21,480	21,017	89	73	12.651	734,367	2.771,154	3,774	3,310
40	24	96.543	26.860,764	569.018,115	21,184	20,720	90	74	10.165	571,486	2.036,787	3,564	3,100
41	25	96.351	25.963,409	542.157,352	20,882	20,418	91	75	8.006	435,958	1.465,301	3,361	2,897
42	26	96.144	25.092,213	516.193,943	20,572	20,108	92	76	6.140	323,806	1.029,343	3,179	2,715
43	27	95.905	24.241,997	491.101,730	20,258	19,795	93	77	4.591	234,518	705,537	3,008	2,545
44	28	95.640	23.413,983	466.859,733	19,939	19,476	94	78	3.342	165,324	471,020	2,849	2,385
45	29	95.355	22.609,430	443.445,750	19,613	19,150	95	79	2.362	113,189	305,696	2,701	2,237
46	30	95.034	21.823,982	420.836,320	19,283	18,820	96	80	1.619	75,134	192,507	2,562	2,099
47	31	94.680	21.058,387	399.012,338	18,948	18,484	97	81	1.073	48,211	117,372	2,435	1,971
48	32	94.291	20.311,831	377.953,951	18,608	18,144	98	82	686	29,855	69,161	2,317	1,853
49	33	93.873	19.585,197	357.642,120	18,261	17,797	99	83	422	17,784	39,306	2,210	1,747
							100	84	250	10,197	21,523	2,111	1,647

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 17 Jahre

Zinsfuß 3,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	33	93.452	18.883,576	338.860,831	17,945	17,481
1							51	34	92.951	18.191,277	319.977,255	17,590	17,126
2							52	35	92.427	17.519,174	301.785,979	17,226	16,762
3							53	36	91.837	16.859,574	284.266,805	16,861	16,397
4							54	37	91.209	16.217,073	267.407,230	16,489	16,026
5							55	38	90.534	15.590,393	251.190,157	16,112	15,648
6							56	39	89.793	14.976,144	235.599,764	15,732	15,268
7							57	40	89.019	14.379,632	220.623,620	15,343	14,879
8							58	41	88.172	13.794,485	206.243,987	14,951	14,488
9							59	42	87.245	13.219,872	192.449,502	14,558	14,094
10							60	43	86.231	12.654,919	179.229,630	14,163	13,699
11							61	44	85.149	12.102,861	166.574,711	13,763	13,300
12							62	45	84.010	11.564,984	154.471,850	13,357	12,893
13							63	46	82.747	11.032,553	142.906,866	12,953	12,490
14							64	47	81.404	10.511,956	131.874,313	12,545	12,082
15							65	48	79.964	10.000,910	121.362,357	12,135	11,672
16							66	49	78.397	9.496,303	111.361,447	11,727	11,263
17	0	99.264	57.631,654	1.511.956,748	26,235	25,771	67	50	76.712	8.999,688	101.865,144	11,319	10,855
18	1	98.837	55.577,463	1.454.325,093	26,168	25,704	68	51	74.879	8.508,147	92.865,456	10,915	10,451
19	2	98.727	53.767,959	1.398.747,631	26,015	25,551	69	52	72.906	8.023,191	84.357,309	10,514	10,051
20	3	98.628	52.023,275	1.344.979,672	25,853	25,390	70	53	70.813	7.547,650	76.334,118	10,114	9,650
21	4	98.536	50.338,790	1.292.956,396	25,685	25,221	71	54	68.577	7.079,179	68.786,468	9,717	9,253
22	5	98.446	48.709,757	1.242.617,606	25,511	25,047	72	55	66.186	6.617,340	61.707,289	9,325	8,861
23	6	98.359	47.134,788	1.193.907,849	25,330	24,866	73	56	63.614	6.159,999	55.089,949	8,943	8,480
24	7	98.277	45.613,086	1.146.773,061	25,141	24,678	74	57	60.902	5.711,686	48.929,951	8,567	8,103
25	8	98.197	44.141,424	1.101.159,974	24,946	24,483	75	58	58.056	5.273,396	43.218,265	8,196	7,732
26	9	98.116	42.716,612	1.057.018,550	24,745	24,281	76	59	55.105	4.847,804	37.944,869	7,827	7,364
27	10	98.039	41.339,762	1.014.301,938	24,536	24,072	77	60	52.090	4.438,306	33.097,064	7,457	6,994
28	11	97.961	40.006,513	972.962,175	24,320	23,856	78	61	48.967	4.040,947	28.658,758	7,092	6,628
29	12	97.880	38.715,116	932.955,662	24,098	23,634	79	62	45.736	3.655,487	24.617,811	6,734	6,271
30	13	97.802	37.466,926	894.240,546	23,867	23,404	80	63	42.422	3.283,859	20.962,323	6,383	5,920
31	14	97.722	36.257,556	856.773,620	23,630	23,167	81	64	39.002	2.924,098	17.678,464	6,046	5,582
32	15	97.633	35.084,457	820.516,065	23,387	22,923	82	65	35.538	2.580,521	14.754,366	5,718	5,254
33	16	97.536	33.946,199	785.431,607	23,138	22,674	83	66	31.939	2.246,205	12.173,845	5,420	4,956
34	17	97.429	32.841,878	751.485,408	22,882	22,418	84	67	28.425	1.936,133	9.927,640	5,128	4,664
35	18	97.315	31.770,743	718.643,530	22,620	22,156	85	68	25.034	1.651,462	7.991,507	4,839	4,375
36	19	97.185	30.729,654	686.872,787	22,352	21,888	86	69	21.872	1.397,442	6.340,045	4,537	4,073
37	20	97.049	29.720,539	656.143,134	22,077	21,613	87	70	18.732	1.159,189	4.942,603	4,264	3,800
38	21	96.901	28.741,168	626.422,595	21,795	21,332	88	71	15.693	940,540	3.783,414	4,023	3,559
39	22	96.743	27.791,323	597.681,427	21,506	21,042	89	72	12.883	747,850	2.842,874	3,801	3,338
40	23	96.568	26.867,774	569.890,104	21,211	20,747	90	73	10.376	583,371	2.095,024	3,591	3,128
41	24	96.377	25.970,464	543.022,330	20,909	20,446	91	74	8.193	446,112	1.511,653	3,389	2,925
42	25	96.168	25.098,389	517.051,866	20,601	20,137	92	75	6.303	332,425	1.065,541	3,205	2,742
43	26	95.932	24.248,786	491.953,477	20,288	19,824	93	76	4.728	241,509	733,116	3,036	2,572
44	27	95.668	23.420,809	467.704,691	19,970	19,506	94	77	3.454	170,883	491,607	2,877	2,413
45	28	95.383	22.616,143	444.283,882	19,645	19,181	95	78	2.453	117,546	320,724	2,729	2,265
46	29	95.061	21.830,372	421.667,740	19,316	18,852	96	79	1.690	78,434	203,178	2,590	2,127
47	30	94.711	21.065,284	399.837,368	18,981	18,517	97	80	1.128	50,680	124,745	2,461	1,998
48	31	94.325	20.319,089	378.772,084	18,641	18,178	98	81	726	31,617	74,065	2,343	1,879
49	32	93.906	19.592,163	358.452,994	18,296	17,832	99	82	451	19,012	42,447	2,233	1,769
							100	83	269	10,984	23,435	2,134	1,670

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 18 Jahre

Zinsfuß 3,25%

Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	32	93.485	18.890,293	339.596,054	17,977	17,514
1							51	33	92.989	18.198,549	320.705,761	17,623	17,159
2							52	34	92.470	17.527,391	302.507,213	17,259	16,795
3							53	35	91.884	16.868,210	284.979,822	16,894	16,431
4							54	36	91.260	16.226,248	268.111,612	16,523	16,060
5							55	37	90.589	15.599,960	251.885,363	16,147	15,683
6							56	38	89.856	14.986,628	236.285,404	15,766	15,303
7							57	39	89.090	14.391,149	221.298,776	15,377	14,914
8							58	40	88.248	13.806,497	206.907,627	14,986	14,523
9							59	41	87.331	13.232,952	193.101,130	14,592	14,129
10							60	42	86.328	12.669,168	179.868,178	14,197	13,734
11							61	43	85.260	12.118,591	167.199,010	13,797	13,333
12							62	44	84.127	11.581,105	155.080,419	13,391	12,927
13							63	45	82.878	11.050,079	143.499,314	12,986	12,523
14							64	46	81.551	10.530,869	132.449,235	12,577	12,114
15							65	47	80.120	10.020,396	121.918,366	12,167	11,703
16							66	48	78.563	9.516,477	111.897,970	11,758	11,295
17							67	49	76.897	9.021,400	102.381,492	11,349	10,885
18	0	99.214	55.789,291	1.455.474,670	26,089	25,625	68	50	75.069	8.529,698	93.360,093	10,945	10,482
19	1	98.762	53.787,222	1.399.685,379	26,023	25,559	69	51	73.109	8.045,536	84.830,395	10,544	10,080
20	2	98.647	52.033,563	1.345.898,156	25,866	25,402	70	52	71.028	7.570,537	76.784,859	10,143	9,679
21	3	98.553	50.347,432	1.293.864,593	25,699	25,235	71	53	68.794	7.101,603	69.214,322	9,746	9,283
22	4	98.459	48.716,049	1.243.517,161	25,526	25,062	72	54	66.417	6.640,437	62.112,719	9,354	8,890
23	5	98.372	47.140,951	1.194.801,112	25,345	24,882	73	55	63.856	6.183,415	55.472,282	8,971	8,508
24	6	98.286	45.617,290	1.147.660,161	25,158	24,695	74	56	61.147	5.734,709	49.288,868	8,595	8,131
25	7	98.205	44.145,269	1.102.042,872	24,964	24,500	75	57	58.316	5.297,037	43.554,159	8,222	7,759
26	8	98.125	42.720,713	1.057.897,603	24,763	24,299	76	58	55.371	4.871,263	38.257,122	7,854	7,390
27	9	98.046	41.342,434	1.015.176,890	24,555	24,092	77	59	52.356	4.460,985	33.385,859	7,484	7,020
28	10	97.969	40.009,877	973.834,456	24,340	23,876	78	60	49.239	4.063,313	28.924,874	7,119	6,655
29	11	97.889	38.718,747	933.824,578	24,118	23,655	79	61	45.995	3.676,174	24.861,561	6,763	6,299
30	12	97.811	37.470,108	895.105,831	23,889	23,425	80	62	42.690	3.304,655	21.185,387	6,411	5,947
31	13	97.731	36.261,069	857.635,723	23,652	23,188	81	63	39.269	2.944,123	17.880,731	6,073	5,610
32	14	97.644	35.088,546	821.374,654	23,409	22,945	82	64	35.800	2.599,531	14.936,608	5,746	5,282
33	15	97.553	33.952,266	786.286,108	23,159	22,695	83	65	32.202	2.264,701	12.337,077	5,448	4,984
34	16	97.450	32.848,834	752.333,842	22,903	22,439	84	66	28.685	1.953,828	10.072,376	5,155	4,692
35	17	97.336	31.777,735	719.485,008	22,641	22,178	85	67	25.291	1.668,422	8.118,548	4,866	4,402
36	18	97.213	30.738,494	687.707,273	22,373	21,909	86	68	22.125	1.413,611	6.450,126	4,563	4,099
37	19	97.075	29.728,780	656.968,779	22,099	21,635	87	69	18.974	1.174,169	5.036,516	4,289	3,826
38	20	96.931	28.750,249	627.240,000	21,817	21,353	88	70	15.919	954,101	3.862,347	4,048	3,585
39	21	96.767	27.798,125	598.489,751	21,530	21,066	89	71	13.096	760,174	2.908,245	3,826	3,362
40	22	96.594	26.875,050	570.691,627	21,235	20,771	90	72	10.567	594,081	2.148,071	3,616	3,152
41	23	96.402	25.977,242	543.816,577	20,934	20,471	91	73	8.363	455,389	1.553,990	3,412	2,949
42	24	96.194	25.105,209	517.839,334	20,627	20,163	92	74	6.450	340,168	1.098,600	3,230	2,766
43	25	95.955	24.254,754	492.734,125	20,315	19,851	93	75	4.854	247,937	758,433	3,059	2,595
44	26	95.694	23.427,368	468.479,371	19,997	19,533	94	76	3.557	175,977	510,495	2,901	2,437
45	27	95.411	22.622,736	445.052,004	19,673	19,209	95	77	2.536	121,499	334,518	2,753	2,290
46	28	95.090	21.836,854	422.429,268	19,345	18,881	96	78	1.755	81,453	213,019	2,615	2,152
47	29	94.739	21.071,452	400.592,414	19,011	18,548	97	79	1.177	52,906	131,567	2,487	2,023
48	30	94.356	20.325,744	379.520,963	18,672	18,208	98	80	764	33,236	78,661	2,367	1,903
49	31	93.940	19.599,164	359.195,218	18,327	17,863	99	81	478	20,135	45,425	2,256	1,792
							100	82	288	11,743	25,290	2,154	1,690

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 19 Jahre

Zinsfuß 3,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	31	93.518	18.897,043	340.269,051	18,006	17,543
1							51	32	93.022	18.205,022	321.372,008	17,653	17,189
2							52	33	92.507	17.534,398	303.166,986	17,290	16,826
3							53	34	91.928	16.876,122	285.632,589	16,925	16,462
4							54	35	91.307	16.234,560	268.756,467	16,555	16,091
5							55	36	90.641	15.608,786	252.521,907	16,178	15,715
6							56	37	89.911	14.995,823	236.913,122	15,799	15,335
7							57	38	89.152	14.401,223	221.917,298	15,410	14,946
8							58	39	88.319	13.817,554	207.516,076	15,018	14,555
9							59	40	87.407	13.244,475	193.698,521	14,625	14,161
10							60	41	86.413	12.681,703	180.454,046	14,229	13,766
11							61	42	85.356	12.132,236	167.772,343	13,829	13,365
12							62	43	84.236	11.596,157	155.640,107	13,422	12,958
13							63	44	82.994	11.065,482	144.043,950	13,017	12,554
14							64	45	81.680	10.547,598	132.978,468	12,607	12,144
15							65	46	80.264	10.038,425	122.430,870	12,196	11,733
16							66	47	78.716	9.535,020	112.392,445	11,787	11,324
17							67	48	77.060	9.040,565	102.857,425	11,377	10,914
18							68	49	75.250	8.550,276	93.816,860	10,972	10,509
19	0	99.139	53.992,227	1.400.752,469	25,944	25,480	69	50	73.294	8.065,915	85.266,584	10,571	10,108
20	1	98.683	52.052,205	1.346.760,241	25,873	25,410	70	51	71.226	7.591,621	77.200,668	10,169	9,706
21	2	98.572	50.357,389	1.294.708,036	25,710	25,247	71	52	69.003	7.123,137	69.609,048	9,772	9,309
22	3	98.475	48.724,412	1.244.350,647	25,539	25,075	72	53	66.628	6.661,471	62.485,910	9,380	8,917
23	4	98.384	47.147,040	1.195.626,235	25,360	24,896	73	54	64.079	6.204,997	55.824,440	8,997	8,533
24	5	98.299	45.623,254	1.148.479,195	25,173	24,709	74	55	61.380	5.756,508	49.619,443	8,620	8,156
25	6	98.215	44.149,337	1.102.855,942	24,980	24,516	75	56	58.551	5.318,389	43.862,935	8,247	7,784
26	7	98.134	42.724,434	1.058.706,604	24,780	24,316	76	57	55.620	4.893,101	38.544,546	7,877	7,414
27	8	98.055	41.346,403	1.015.982,170	24,572	24,109	77	58	52.609	4.482,572	33.651,445	7,507	7,044
28	9	97.975	40.012,463	974.635,768	24,358	23,895	78	59	49.490	4.084,075	29.168,873	7,142	6,678
29	10	97.897	38.722,004	934.623,305	24,137	23,673	79	60	46.250	3.696,521	25.084,798	6,786	6,322
30	11	97.820	37.473,622	895.901,301	23,908	23,444	80	61	42.932	3.323,357	21.388,277	6,436	5,972
31	12	97.739	36.264,149	858.427,679	23,672	23,208	81	62	39.518	2.962,768	18.064,920	6,097	5,634
32	13	97.654	35.091,946	822.163,530	23,429	22,965	82	63	36.045	2.617,334	15.102,152	5,770	5,306
33	14	97.564	33.956,222	787.071,584	23,179	22,715	83	64	32.439	2.281,385	12.484,818	5,472	5,009
34	15	97.467	32.854,705	753.115,362	22,923	22,459	84	65	28.921	1.969,917	10.203,434	5,180	4,716
35	16	97.357	31.784,466	720.260,657	22,661	22,197	85	66	25.522	1.683,670	8.233,517	4,890	4,427
36	17	97.234	30.745,258	688.476,191	22,393	21,929	86	67	22.352	1.428,127	6.549,847	4,586	4,123
37	18	97.103	29.737,332	657.730,933	22,118	21,654	87	68	19.194	1.187,754	5.121,719	4,312	3,848
38	19	96.958	28.758,221	627.993,601	21,837	21,373	88	69	16.125	966,431	3.933,965	4,071	3,607
39	20	96.798	27.806,908	599.235,380	21,550	21,086	89	70	13.285	771,135	2.967,534	3,848	3,385
40	21	96.618	26.881,627	571.428,473	21,257	20,794	90	71	10.741	603,871	2.196,399	3,637	3,174
41	22	96.428	25.984,277	544.546,846	20,957	20,493	91	72	8.517	463,750	1.592,528	3,434	2,970
42	23	96.219	25.111,761	518.562,569	20,650	20,187	92	73	6.584	347,242	1.128,777	3,251	2,787
43	24	95.981	24.261,345	493.450,807	20,339	19,875	93	74	4.967	253,712	781,536	3,080	2,617
44	25	95.718	23.433,134	469.189,462	20,022	19,559	94	75	3.652	180,661	527,823	2,922	2,458
45	26	95.438	22.629,071	445.756,328	19,698	19,235	95	76	2.611	125,121	347,162	2,775	2,311
46	27	95.117	21.843,219	423.127,258	19,371	18,907	96	77	1.814	84,192	222,041	2,637	2,174
47	28	94.767	21.077,708	401.284,038	19,038	18,575	97	78	1.222	54,942	137,850	2,509	2,045
48	29	94.384	20.331,696	380.206,330	18,700	18,237	98	79	797	34,696	82,908	2,390	1,926
49	30	93.971	19.605,584	359.874,635	18,356	17,892	99	80	502	21,166	48,212	2,278	1,814
							100	81	305	12,436	27,046	2,175	1,711

Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente nach der Sterbetafel 2002/2004

Altersdifferenz zwischen Mann und Frau (x - y) = 20 Jahre

Zinsfuß 3,25%

Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	30	93.549	18.903,232	340.885,105	18,033	17,570
1							51	31	93.055	18.211,527	321.981,872	17,680	17,216
2							52	32	92.540	17.540,635	303.770,345	17,318	16,854
3							53	33	91.964	16.882,868	286.229,711	16,954	16,490
4							54	34	91.350	16.242,174	269.346,843	16,583	16,120
5							55	35	90.687	15.616,781	253.104,669	16,207	15,744
6							56	36	89.962	15.004,308	237.487,888	15,828	15,364
7							57	37	89.207	14.410,059	222.483,580	15,439	14,976
8							58	38	88.381	13.827,227	208.073,521	15,048	14,584
9							59	39	87.477	13.255,082	194.246,294	14,654	14,191
10							60	40	86.489	12.692,746	180.991,212	14,259	13,796
11							61	41	85.441	12.144,240	168.298,466	13,858	13,395
12							62	42	84.331	11.609,214	156.154,225	13,451	12,987
13							63	43	83.101	11.079,864	144.545,012	13,046	12,582
14							64	44	81.794	10.562,301	133.465,148	12,636	12,172
15							65	45	80.391	10.054,371	122.902,847	12,224	11,760
16							66	46	78.858	9.552,175	112.848,476	11,814	11,350
17							67	47	77.210	9.058,180	103.296,301	11,404	10,940
18							68	48	75.409	8.568,441	94.238,121	10,998	10,535
19							69	49	73.471	8.085,375	85.669,680	10,596	10,132
20	0	99.059	52.250,597	1.347.751,338	25,794	25,330	70	50	71.406	7.610,850	77.584,305	10,194	9,730
21	1	98.608	50.375,430	1.295.500,741	25,717	25,253	71	51	69.195	7.142,975	69.973,455	9,796	9,332
22	2	98.495	48.734,048	1.245.125,311	25,549	25,086	72	52	66.830	6.681,671	62.830,480	9,403	8,940
23	3	98.401	47.155,134	1.196.391,263	25,371	24,908	73	53	64.282	6.224,652	56.148,809	9,020	8,557
24	4	98.311	45.629,147	1.149.236,129	25,186	24,723	74	54	61.594	5.776,600	49.924,157	8,642	8,179
25	5	98.227	44.155,109	1.103.606,982	24,994	24,530	75	55	58.774	5.338,606	44.147,557	8,269	7,806
26	6	98.143	42.728,371	1.059.451,873	24,795	24,331	76	56	55.844	4.912,825	38.808,951	7,900	7,436
27	7	98.063	41.350,004	1.016.723,502	24,588	24,125	77	57	52.845	4.502,667	33.896,127	7,528	7,064
28	8	97.985	40.016,304	975.373,498	24,374	23,911	78	58	49.730	4.103,838	29.393,459	7,162	6,699
29	9	97.903	38.724,506	935.357,194	24,154	23,691	79	59	46.486	3.715,409	25.289,621	6,807	6,343
30	10	97.828	37.476,774	896.632,688	23,925	23,461	80	60	43.170	3.341,751	21.574,212	6,456	5,992
31	11	97.748	36.267,550	859.155,914	23,689	23,226	81	61	39.741	2.979,535	18.232,461	6,119	5,656
32	12	97.662	35.094,927	822.888,364	23,448	22,984	82	62	36.273	2.633,909	15.252,926	5,791	5,327
33	13	97.574	33.959,513	787.793,438	23,198	22,734	83	63	32.662	2.297,009	12.619,018	5,494	5,030
34	14	97.479	32.858,533	753.833,925	22,942	22,478	84	64	29.134	1.984,429	10.322,009	5,202	4,738
35	15	97.374	31.790,146	720.975,392	22,679	22,216	85	65	25.732	1.697,534	8.337,581	4,912	4,448
36	16	97.255	30.751,771	689.185,246	22,411	21,948	86	66	22.556	1.441,180	6.640,046	4,607	4,144
37	17	97.125	29.743,876	658.433,475	22,137	21,673	87	67	19.391	1.199,952	5.198,867	4,333	3,869
38	18	96.986	28.766,494	628.689,599	21,855	21,391	88	68	16.311	977,613	3.998,915	4,090	3,627
39	19	96.825	27.814,618	599.923,105	21,569	21,105	89	69	13.456	781,100	3.021,302	3,868	3,404
40	20	96.649	26.890,121	572.108,487	21,276	20,812	90	70	10.896	612,578	2.240,202	3,657	3,193
41	21	96.452	25.990,636	545.218,367	20,977	20,514	91	71	8.657	471,393	1.627,624	3,453	2,989
42	22	96.245	25.118,562	519.227,730	20,671	20,207	92	72	6.705	353,617	1.156,231	3,270	2,806
43	23	96.007	24.267,677	494.109,168	20,361	19,897	93	73	5.071	258,989	802,614	3,099	2,635
44	24	95.744	23.439,502	469.841,492	20,045	19,581	94	74	3.737	184,869	543,625	2,941	2,477
45	25	95.461	22.634,640	446.401,990	19,722	19,258	95	75	2.681	128,451	358,756	2,793	2,329
46	26	95.144	21.849,336	423.767,350	19,395	18,931	96	76	1.868	86,702	230,305	2,656	2,193
47	27	94.794	21.083,853	401.918,013	19,063	18,599	97	77	1.264	56,789	143,604	2,529	2,065
48	28	94.412	20.337,732	380.834,161	18,725	18,262	98	78	828	36,031	86,814	2,409	1,946
49	29	93.998	19.611,324	360.496,429	18,382	17,918	99	79	524	22,095	50,783	2,298	1,835
							100	80	320	13,073	28,688	2,194	1,731

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 21 Jahre

Zinsfuß 3,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	29	93.576	18.908,767	341.448,888	18,058	17,594
1							51	30	93.085	18.217,492	322.540,121	17,705	17,241
2							52	31	92.573	17.546,903	304.322,629	17,343	16,880
3							53	32	91.997	16.888,873	286.775,727	16,980	16,517
4							54	33	91.386	16.248,667	269.886,854	16,610	16,146
5							55	34	90.729	15.624,106	253.638,187	16,234	15,770
6							56	35	90.008	15.011,993	238.014,081	15,855	15,391
7							57	36	89.258	14.418,212	223.002,088	15,467	15,003
8							58	37	88.435	13.835,711	208.583,876	15,076	14,612
9							59	38	87.539	13.264,361	194.748,165	14,682	14,218
10							60	39	86.558	12.702,911	181.483,804	14,287	13,823
11							61	40	85.515	12.154,815	168.780,892	13,886	13,422
12							62	41	84.414	11.620,701	156.626,077	13,478	13,015
13							63	42	83.195	11.092,339	145.005,377	13,073	12,609
14							64	43	81.900	10.576,029	133.913,037	12,662	12,198
15							65	44	80.503	10.068,386	123.337,009	12,250	11,786
16							66	45	78.983	9.567,349	113.268,622	11,839	11,375
17							67	46	77.349	9.074,478	103.701,273	11,428	10,964
18							68	47	75.556	8.585,136	94.626,796	11,022	10,559
19							69	48	73.627	8.102,551	86.041,660	10,619	10,155
20							70	49	71.579	7.629,212	77.939,108	10,216	9,752
21	0	98.983	50.567,432	1.296.421,801	25,637	25,174	71	50	69.370	7.161,068	70.309,896	9,818	9,355
22	1	98.530	48.751,507	1.245.854,369	25,555	25,092	72	51	67.016	6.700,279	63.148,828	9,425	8,961
23	2	98.421	47.164,459	1.197.102,862	25,381	24,918	73	52	64.477	6.243,527	56.448,549	9,041	8,578
24	3	98.328	45.636,980	1.149.938,403	25,198	24,734	74	53	61.789	5.794,898	50.205,022	8,664	8,200
25	4	98.240	44.160,813	1.104.301,422	25,006	24,543	75	54	58.979	5.357,240	44.410,124	8,290	7,826
26	5	98.156	42.733,958	1.060.140,610	24,808	24,344	76	55	56.056	4.931,499	39.052,884	7,919	7,455
27	6	98.072	41.353,814	1.017.406,652	24,602	24,139	77	56	53.058	4.520,817	34.121,385	7,548	7,084
28	7	97.993	40.019,789	976.052,837	24,389	23,926	78	57	49.953	4.122,236	29.600,568	7,181	6,717
29	8	97.913	38.728,223	936.033,048	24,169	23,706	79	58	46.711	3.733,388	25.478,332	6,824	6,361
30	9	97.835	37.479,195	897.304,825	23,941	23,478	80	59	43.390	3.358,826	21.744,944	6,474	6,010
31	10	97.757	36.270,600	859.825,629	23,706	23,242	81	60	39.961	2.996,026	18.386,117	6,137	5,673
32	11	97.671	35.098,218	823.555,029	23,464	23,001	82	61	36.478	2.648,815	15.390,092	5,810	5,347
33	12	97.582	33.962,397	788.456,811	23,216	22,752	83	62	32.868	2.311,555	12.741,277	5,512	5,048
34	13	97.488	32.861,717	754.494,414	22,960	22,496	84	63	29.334	1.998,019	10.429,723	5,220	4,756
35	14	97.386	31.793,850	721.632,697	22,697	22,234	85	64	25.922	1.710,039	8.431,704	4,931	4,467
36	15	97.272	30.757,266	689.838,846	22,428	21,965	86	65	22.742	1.453,047	6.721,664	4,626	4,162
37	16	97.145	29.750,176	659.081,580	22,154	21,690	87	66	19.568	1.210,918	5.268,617	4,351	3,887
38	17	97.007	28.772,824	629.331,403	21,872	21,409	88	67	16.479	987,652	4.057,699	4,108	3,645
39	18	96.852	27.822,620	600.558,579	21,585	21,122	89	68	13.612	790,137	3.070,046	3,885	3,422
40	19	96.675	26.897,577	572.735,960	21,293	20,830	90	69	11.037	620,495	2.279,909	3,674	3,211
41	20	96.482	25.998,848	545.838,383	20,995	20,531	91	70	8.782	478,189	1.659,414	3,470	3,007
42	21	96.268	25.124,709	519.839,535	20,690	20,227	92	71	6.816	359,445	1.181,225	3,286	2,823
43	22	96.033	24.274,249	494.714,825	20,380	19,917	93	72	5.164	263,744	821,780	3,116	2,652
44	23	95.769	23.445,619	470.440,577	20,065	19,602	94	73	3.815	188,714	558,036	2,957	2,493
45	24	95.487	22.640,791	446.994,958	19,743	19,279	95	74	2.743	131,443	369,323	2,810	2,346
46	25	95.167	21.854,714	424.354,167	19,417	18,953	96	75	1.918	89,009	237,880	2,673	2,209
47	26	94.821	21.089,757	402.499,453	19,085	18,621	97	76	1.301	58,482	148,871	2,546	2,082
48	27	94.439	20.343,661	381.409,696	18,748	18,285	98	77	856	37,243	90,388	2,427	1,963
49	28	94.026	19.617,147	361.066,035	18,406	17,942	99	78	544	22,946	53,146	2,316	1,853
							100	79	334	13,647	30,200	2,213	1,749

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 22 Jahre

Zinsfuß 3,25%

Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	28	93.604	18.914,381	341.965,344	18,080	17,616
1							51	29	93.113	18.222,826	323.050,963	17,728	17,264
2							52	30	92.603	17.552,650	304.828,137	17,367	16,903
3							53	31	92.030	16.894,908	287.275,487	17,004	16,540
4							54	32	91.419	16.254,447	270.380,579	16,634	16,171
5							55	33	90.766	15.630,351	254.126,133	16,259	15,795
6							56	34	90.050	15.019,034	238.495,781	15,880	15,416
7							57	35	89.303	14.425,597	223.476,747	15,492	15,028
8							58	36	88.485	13.843,539	209.051,150	15,101	14,637
9							59	37	87.592	13.272,500	195.207,610	14,708	14,244
10							60	38	86.619	12.711,803	181.935,110	14,312	13,849
11							61	39	85.583	12.164,550	169.223,307	13,911	13,448
12							62	40	84.488	11.630,819	157.058,757	13,504	13,040
13							63	41	83.277	11.103,315	145.427,938	13,098	12,634
14							64	42	81.993	10.587,937	134.324,623	12,687	12,223
15							65	43	80.608	10.081,472	123.736,687	12,274	11,810
16							66	44	79.093	9.580,685	113.655,214	11,863	11,399
17							67	45	77.472	9.088,893	104.074,529	11,451	10,987
18							68	46	75.692	8.600,582	94.985,636	11,044	10,580
19							69	47	73.770	8.118,339	86.385,054	10,641	10,177
20							70	48	71.731	7.645,420	78.266,715	10,237	9,773
21							71	49	69.537	7.178,345	70.621,295	9,838	9,374
22	0	98.906	48.937,319	1.246.710,827	25,476	25,012	72	50	67.186	6.717,251	63.442,951	9,445	8,981
23	1	98.456	47.181,357	1.197.773,507	25,387	24,923	73	51	64.657	6.260,915	56.725,700	9,060	8,597
24	2	98.348	45.646,005	1.150.592,151	25,207	24,743	74	52	61.976	5.812,470	50.464,784	8,682	8,219
25	3	98.257	44.168,394	1.104.946,146	25,017	24,553	75	53	59.166	5.374,209	44.652,314	8,309	7,845
26	4	98.168	42.739,478	1.060.777,752	24,820	24,356	76	54	56.252	4.948,712	39.278,105	7,937	7,473
27	5	98.085	41.359,221	1.018.038,274	24,615	24,151	77	55	53.260	4.538,002	34.329,393	7,565	7,101
28	6	98.002	40.023,477	976.679,053	24,403	23,939	78	56	50.154	4.138,852	29.791,391	7,198	6,734
29	7	97.921	38.731,597	936.655,575	24,183	23,720	79	57	46.920	3.750,125	25.652,539	6,840	6,377
30	8	97.844	37.482,793	897.923,979	23,956	23,492	80	58	43.600	3.375,080	21.902,414	6,489	6,026
31	9	97.763	36.272,944	860.441,185	23,721	23,258	81	59	40.166	3.011,335	18.527,334	6,153	5,689
32	10	97.680	35.101,170	824.168,242	23,480	23,016	82	60	36.680	2.663,475	15.516,000	5,825	5,362
33	11	97.591	33.965,582	789.067,072	23,231	22,768	83	61	33.054	2.324,636	12.852,525	5,529	5,065
34	12	97.497	32.864,509	755.101,489	22,976	22,513	84	62	29.519	2.010,672	10.527,888	5,236	4,772
35	13	97.395	31.796,931	722.236,981	22,714	22,250	85	63	26.099	1.721,751	8.517,217	4,947	4,483
36	14	97.284	30.760,851	690.440,050	22,445	21,982	86	64	22.909	1.463,751	6.795,466	4,643	4,179
37	15	97.163	29.755,493	659.679,199	22,170	21,706	87	65	19.729	1.220,890	5.331,715	4,367	3,903
38	16	97.028	28.778,919	629.923,706	21,888	21,425	88	66	16.630	996,679	4.110,825	4,125	3,661
39	17	96.874	27.828,742	601.144,787	21,602	21,138	89	67	13.752	798,252	3.114,146	3,901	3,438
40	18	96.703	26.905,314	573.316,045	21,309	20,845	90	68	11.165	627,674	2.315,895	3,690	3,226
41	19	96.509	26.006,057	546.410,730	21,011	20,547	91	69	8.896	484,369	1.688,221	3,485	3,022
42	20	96.299	25.132,647	520.404,673	20,706	20,243	92	70	6.914	364,627	1.203,852	3,302	2,838
43	21	96.056	24.280,189	495.272,026	20,398	19,935	93	71	5.249	268,090	839,224	3,130	2,667
44	22	95.795	23.451,968	470.991,836	20,083	19,620	94	72	3.885	192,179	571,134	2,972	2,508
45	23	95.512	22.646,700	447.539,868	19,762	19,298	95	73	2.800	134,176	378,956	2,824	2,361
46	24	95.193	21.860,653	424.893,168	19,436	18,973	96	74	1.963	91,082	244,779	2,687	2,224
47	25	94.844	21.094,948	403.032,515	19,106	18,642	97	75	1.336	60,039	153,697	2,560	2,096
48	26	94.466	20.349,358	381.937,567	18,769	18,305	98	76	881	38,353	93,658	2,442	1,978
49	27	94.054	19.622,866	361.588,209	18,427	17,963	99	77	563	23,717	55,305	2,332	1,868
							100	78	347	14,173	31,588	2,229	1,765

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 23 Jahre

Zinsfuß 3,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	27	93.631	18.919,895	342.438,782	18,099	17,636
1							51	28	93.140	18.228,236	323.518,887	17,748	17,285
2							52	29	92.630	17.557,789	305.290,651	17,388	16,924
3							53	30	92.060	16.900,441	287.732,862	17,025	16,562
4							54	31	91.451	16.260,255	270.832,421	16,656	16,192
5							55	32	90.798	15.635,911	254.572,166	16,281	15,818
6							56	33	90.086	15.025,038	238.936,255	15,903	15,439
7							57	34	89.345	14.432,363	223.911,217	15,515	15,051
8							58	35	88.531	13.850,630	209.478,853	15,124	14,661
9							59	36	87.642	13.280,009	195.628,223	14,731	14,267
10							60	37	86.672	12.719,603	182.348,214	14,336	13,872
11							61	38	85.643	12.173,065	169.628,610	13,935	13,471
12							62	39	84.555	11.640,134	157.455,545	13,527	13,063
13							63	40	83.350	11.112,983	145.815,411	13,121	12,658
14							64	41	82.074	10.598,413	134.702,428	12,710	12,246
15							65	42	80.699	10.092,824	124.104,015	12,296	11,833
16							66	43	79.196	9.593,138	114.011,192	11,885	11,421
17							67	44	77.580	9.101,562	104.418,054	11,473	11,009
18							68	45	75.813	8.614,245	95.316,492	11,065	10,601
19							69	46	73.903	8.132,945	86.702,247	10,661	10,197
20							70	47	71.871	7.660,316	78.569,302	10,257	9,793
21							71	48	69.685	7.193,595	70.908,986	9,857	9,394
22							72	49	67.348	6.733,457	63.715,391	9,463	8,999
23	0	98.831	47.361,184	1.198.570,340	25,307	24,843	73	50	64.820	6.276,774	56.981,935	9,078	8,615
24	1	98.383	45.662,359	1.151.209,156	25,211	24,748	74	51	62.149	5.828,658	50.705,160	8,699	8,236
25	2	98.276	44.177,129	1.105.546,797	25,025	24,562	75	52	59.345	5.390,505	44.876,502	8,325	7,861
26	3	98.185	42.746,815	1.061.369,669	24,829	24,366	76	53	56.430	4.964,388	39.485,997	7,954	7,490
27	4	98.098	41.364,563	1.018.622,854	24,625	24,162	77	54	53.446	4.553,841	34.521,609	7,581	7,117
28	5	98.015	40.028,710	977.258,290	24,414	23,950	78	55	50.345	4.154,585	29.967,768	7,213	6,750
29	6	97.930	38.735,166	937.229,580	24,196	23,732	79	56	47.109	3.765,241	25.813,183	6,856	6,392
30	7	97.852	37.486,058	898.494,414	23,969	23,505	80	57	43.796	3.390,210	22.047,942	6,503	6,040
31	8	97.772	36.276,426	861.008,356	23,735	23,271	81	58	40.360	3.025,906	18.657,731	6,166	5,702
32	9	97.686	35.103,438	824.731,930	23,494	23,031	82	59	36.868	2.677,085	15.631,825	5,839	5,375
33	10	97.599	33.968,439	789.628,492	23,246	22,782	83	60	33.237	2.337,503	12.954,741	5,542	5,079
34	11	97.506	32.867,591	755.660,053	22,991	22,527	84	61	29.686	2.022,051	10.617,238	5,251	4,787
35	12	97.403	31.799,632	722.792,462	22,730	22,266	85	62	26.264	1.732,654	8.595,187	4,961	4,497
36	13	97.293	30.763,831	690.992,830	22,461	21,998	86	63	23.066	1.473,776	6.862,533	4,656	4,193
37	14	97.174	29.758,960	660.228,999	22,186	21,722	87	64	19.875	1.229,884	5.388,758	4,382	3,918
38	15	97.045	28.784,062	630.470,039	21,903	21,440	88	65	16.766	1.004,886	4.158,874	4,139	3,675
39	16	96.894	27.834,637	601.685,977	21,616	21,153	89	66	13.877	805,547	3.153,988	3,915	3,452
40	17	96.724	26.911,235	573.851,340	21,324	20,860	90	67	11.279	634,120	2.348,441	3,703	3,240
41	18	96.537	26.013,538	546.940,104	21,025	20,562	91	68	8.998	489,973	1.714,321	3,499	3,035
42	19	96.325	25.139,616	520.926,566	20,721	20,258	92	69	7.003	369,339	1.224,348	3,315	2,851
43	20	96.086	24.287,861	495.786,949	20,413	19,949	93	70	5.324	271,955	855,008	3,144	2,680
44	21	95.818	23.457,708	471.499,089	20,100	19,636	94	71	3.949	195,346	583,053	2,985	2,521
45	22	95.538	22.652,833	448.041,381	19,779	19,315	95	72	2.852	136,640	387,708	2,837	2,374
46	23	95.218	21.866,358	425.388,548	19,454	18,990	96	73	2.004	92,977	251,068	2,700	2,237
47	24	94.870	21.100,680	403.522,190	19,124	18,660	97	74	1.367	61,437	158,091	2,573	2,110
48	25	94.489	20.354,367	382.421,510	18,788	18,325	98	75	905	39,374	96,654	2,455	1,991
49	26	94.080	19.628,361	362.067,143	18,446	17,982	99	76	579	24,424	57,280	2,345	1,882
							100	77	359	14,649	32,855	2,243	1,779

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 24 Jahre

Zinsfuß 3,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	26	93.658	18.925,193	342.872,996	18,117	17,654
1							51	27	93.167	18.233,550	323.947,802	17,767	17,303
2							52	28	92.658	17.563,002	305.714,252	17,407	16,943
3							53	29	92.087	16.905,390	288.151,250	17,045	16,581
4							54	30	91.481	16.265,581	271.245,860	16,676	16,212
5							55	31	90.830	15.641,498	254.980,280	16,302	15,838
6							56	32	90.118	15.030,383	239.338,781	15,924	15,460
7							57	33	89.381	14.438,133	224.308,399	15,536	15,072
8							58	34	88.572	13.857,127	209.870,266	15,145	14,682
9							59	35	87.687	13.286,812	196.013,140	14,752	14,289
10							60	36	86.721	12.726,800	182.726,328	14,358	13,894
11							61	37	85.696	12.180,534	169.999,528	13,957	13,493
12							62	38	84.615	11.648,283	157.818,994	13,549	13,085
13							63	39	83.417	11.121,883	146.170,712	13,143	12,679
14							64	40	82.145	10.607,641	135.048,828	12,731	12,268
15							65	41	80.779	10.102,810	124.441,187	12,317	11,854
16							66	42	79.285	9.603,939	114.338,377	11,905	11,442
17							67	43	77.681	9.113,391	104.734,438	11,492	11,029
18							68	44	75.918	8.626,253	95.621,047	11,085	10,621
19							69	45	74.020	8.145,865	86.994,794	10,680	10,216
20							70	46	72.000	7.674,099	78.848,929	10,275	9,811
21							71	47	69.821	7.207,611	71.174,831	9,875	9,411
22							72	48	67.491	6.747,761	63.967,220	9,480	9,016
23							73	49	64.977	6.291,917	57.219,458	9,094	8,630
24	0	98.758	45.836,397	1.151.950,913	25,132	24,668	74	50	62.306	5.843,422	50.927,541	8,715	8,252
25	1	98.312	44.192,956	1.106.114,516	25,029	24,566	75	51	59.510	5.405,518	45.084,119	8,340	7,877
26	2	98.204	42.755,268	1.061.921,560	24,837	24,374	76	52	56.601	4.979,441	39.678,601	7,968	7,505
27	3	98.115	41.371,665	1.019.166,292	24,634	24,171	77	53	53.615	4.568,266	34.699,160	7,596	7,132
28	4	98.028	40.033,881	977.794,627	24,424	23,961	78	54	50.520	4.169,086	30.130,894	7,227	6,764
29	5	97.943	38.740,230	937.760,746	24,206	23,743	79	55	47.288	3.779,554	25.961,808	6,869	6,405
30	6	97.861	37.489,513	899.020,516	23,981	23,517	80	56	43.972	3.403,876	22.182,254	6,517	6,053
31	7	97.781	36.279,586	861.531,004	23,747	23,283	81	57	40.541	3.039,472	18.778,378	6,178	5,715
32	8	97.695	35.106,808	825.251,418	23,507	23,043	82	58	37.046	2.690,039	15.738,906	5,851	5,387
33	9	97.606	33.970,634	790.144,610	23,260	22,796	83	59	33.407	2.349,447	13.048,867	5,554	5,090
34	10	97.514	32.870,355	756.173,976	23,005	22,541	84	60	29.851	2.033,242	10.699,421	5,262	4,799
35	11	97.413	31.802,614	723.303,621	22,744	22,280	85	61	26.413	1.742,459	8.666,179	4,974	4,510
36	12	97.301	30.766,444	691.501,007	22,476	22,012	86	62	23.212	1.483,109	6.923,719	4,668	4,205
37	13	97.183	29.761,844	660.734,562	22,201	21,737	87	63	20.011	1.238,307	5.440,610	4,394	3,930
38	14	97.057	28.787,416	630.972,718	21,918	21,455	88	64	16.890	1.012,289	4.202,304	4,151	3,688
39	15	96.912	27.839,611	602.185,302	21,631	21,167	89	65	13.992	812,180	3.190,015	3,928	3,464
40	16	96.745	26.916,936	574.345,691	21,338	20,874	90	66	11.382	639,915	2.377,835	3,716	3,252
41	17	96.558	26.019,263	547.428,755	21,039	20,576	91	67	9.091	495,005	1.737,920	3,511	3,047
42	18	96.353	25.146,848	521.409,492	20,735	20,271	92	68	7.084	373,613	1.242,915	3,327	2,863
43	19	96.113	24.294,595	496.262,644	20,427	19,963	93	69	5.393	275,470	869,302	3,156	2,692
44	20	95.849	23.465,119	471.968,048	20,114	19,650	94	70	4.006	198,162	593,832	2,997	2,533
45	21	95.561	22.658,377	448.502,929	19,794	19,331	95	71	2.899	138,892	395,670	2,849	2,385
46	22	95.244	21.872,280	425.844,552	19,470	19,006	96	72	2.040	94,684	256,778	2,712	2,248
47	23	94.895	21.106,187	403.972,272	19,140	18,676	97	73	1.395	62,715	162,095	2,585	2,121
48	24	94.515	20.359,898	382.866,085	18,805	18,341	98	74	926	40,291	99,380	2,467	2,003
49	25	94.103	19.633,192	362.506,187	18,464	18,000	99	75	595	25,074	59,089	2,357	1,893
							100	76	369	15,086	34,014	2,255	1,791

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 25 Jahre

Zinsfuß 3,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	25	93.681	18.929,851	343.270,989	18,134	17,670
1							51	26	93.194	18.238,656	324.341,137	17,783	17,320
2							52	27	92.685	17.568,122	306.102,481	17,424	16,960
3							53	28	92.114	16.910,409	288.534,359	17,063	16,599
4							54	29	91.508	16.270,343	271.623,950	16,694	16,231
5							55	30	90.860	15.646,621	255.353,607	16,320	15,856
6							56	31	90.151	15.035,753	239.706,986	15,942	15,479
7							57	32	89.413	14.443,268	224.671,232	15,555	15,092
8							58	33	88.607	13.862,666	210.227,964	15,165	14,701
9							59	34	87.728	13.293,044	196.365,298	14,772	14,308
10							60	35	86.765	12.733,319	183.072,255	14,377	13,914
11							61	36	85.744	12.187,426	170.338,936	13,977	13,513
12							62	37	84.667	11.655,430	158.151,510	13,569	13,105
13							63	38	83.475	11.129,668	146.496,080	13,163	12,699
14							64	39	82.211	10.616,137	135.366,412	12,751	12,287
15							65	40	80.849	10.111,607	124.750,275	12,337	11,874
16							66	41	79.364	9.613,442	114.638,668	11,925	11,461
17							67	42	77.768	9.123,653	105.025,226	11,511	11,048
18							68	43	76.017	8.637,464	95.901,574	11,103	10,639
19							69	44	74.124	8.157,220	87.264,109	10,698	10,234
20							70	45	72.114	7.686,289	79.106,890	10,292	9,828
21							71	46	69.947	7.220,579	71.420,600	9,891	9,428
22							72	47	67.622	6.760,909	64.200,021	9,496	9,032
23							73	48	65.115	6.305,284	57.439,112	9,110	8,646
24							74	49	62.457	5.857,519	51.133,828	8,730	8,266
25	0	98.686	44.361,393	1.106.805,360	24,950	24,486	75	50	59.661	5.419,210	45.276,309	8,355	7,891
26	1	98.240	42.770,586	1.062.443,966	24,841	24,377	76	51	56.759	4.993,309	39.857,099	7,982	7,518
27	2	98.134	41.379,846	1.019.673,380	24,642	24,178	77	52	53.778	4.582,118	34.863,790	7,609	7,145
28	3	98.045	40.040,754	978.293,534	24,432	23,969	78	53	50.680	4.182,292	30.281,671	7,240	6,777
29	4	97.956	38.745,234	938.252,780	24,216	23,752	79	54	47.454	3.792,746	26.099,379	6,881	6,418
30	5	97.874	37.494,414	899.507,546	23,990	23,527	80	55	44.139	3.416,815	22.306,633	6,528	6,065
31	6	97.790	36.282,929	862.013,132	23,758	23,294	81	56	40.704	3.051,723	18.889,818	6,190	5,726
32	7	97.704	35.109,866	825.730,203	23,518	23,055	82	57	37.212	2.702,099	15.838,095	5,861	5,398
33	8	97.615	33.973,895	790.620,338	23,271	22,808	83	58	33.569	2.360,816	13.135,996	5,564	5,101
34	9	97.520	32.872,479	756.646,442	23,018	22,554	84	59	30.003	2.043,631	10.775,181	5,273	4,809
35	10	97.421	31.805,289	723.773,963	22,756	22,293	85	60	26.559	1.752,103	8.731,549	4,983	4,520
36	11	97.311	30.769,330	691.968,674	22,489	22,025	86	61	23.344	1.491,502	6.979,446	4,679	4,216
37	12	97.192	29.764,372	661.199,345	22,214	21,751	87	62	20.137	1.246,148	5.487,944	4,404	3,940
38	13	97.066	28.790,206	631.434,973	21,932	21,469	88	63	17.006	1.019,221	4.241,796	4,162	3,698
39	14	96.923	27.842,856	602.644,767	21,645	21,181	89	64	14.095	818,164	3.222,574	3,939	3,475
40	15	96.762	26.921,746	574.801,911	21,351	20,887	90	65	11.476	645,185	2.404,411	3,727	3,263
41	16	96.578	26.024,775	547.880,165	21,052	20,589	91	66	9.174	499,529	1.759,226	3,522	3,058
42	17	96.374	25.152,382	521.855,391	20,748	20,284	92	67	7.157	377,449	1.259,697	3,337	2,874
43	18	96.141	24.301,584	496.703,008	20,439	19,975	93	68	5.456	278,657	882,248	3,166	2,702
44	19	95.875	23.471,626	472.401,424	20,126	19,663	94	69	4.058	200,723	603,591	3,007	2,543
45	20	95.591	22.665,536	448.929,798	19,807	19,343	95	70	2.941	140,894	402,868	2,859	2,396
46	21	95.267	21.877,633	426.264,262	19,484	19,020	96	71	2.074	96,244	261,973	2,722	2,258
47	22	94.921	21.111,903	404.386,630	19,154	18,691	97	72	1.421	63,867	165,729	2,595	2,131
48	23	94.539	20.365,211	383.274,727	18,820	18,356	98	73	945	41,129	101,863	2,477	2,013
49	24	94.129	19.638,527	362.909,516	18,479	18,016	99	74	609	25,658	60,734	2,367	1,903
							100	75	379	15,488	35,076	2,265	1,801

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 0 Jahre

Zinsfuß 3,50%

Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	0	100.000	100.000,000	2.648.714,175	26,487	26,023	50	50	91.638	16.408,078	266.640,904	16,251	15,787
1	1	99.166	95.812,375	2.548.714,175	26,601	26,137	51	51	90.953	15.734,801	250.232,827	15,903	15,439
2	2	99.090	92.501,804	2.452.901,799	26,517	26,053	52	52	90.231	15.081,941	234.498,026	15,548	15,084
3	3	99.051	89.338,063	2.360.399,995	26,421	25,957	53	53	89.431	14.442,666	219.416,085	15,192	14,728
4	4	99.016	86.286,410	2.271.061,932	26,320	25,856	54	54	88.588	13.822,771	204.973,419	14,829	14,365
5	5	98.990	83.346,566	2.184.775,522	26,213	25,749	55	55	87.680	13.218,513	191.150,648	14,461	13,997
6	6	98.963	80.506,530	2.101.428,956	26,103	25,639	56	56	86.694	12.627,909	177.932,135	14,090	13,626
7	7	98.942	77.767,855	2.020.922,426	25,987	25,523	57	57	85.670	12.056,729	165.304,226	13,711	13,247
8	8	98.922	75.122,203	1.943.154,571	25,867	25,403	58	58	84.550	11.496,677	153.247,496	13,330	12,866
9	9	98.900	72.566,242	1.868.032,368	25,742	25,278	59	59	83.341	10.949,060	141.750,820	12,946	12,482
10	10	98.885	70.101,220	1.795.466,126	25,612	25,148	60	60	82.046	10.414,391	130.801,760	12,560	12,096
11	11	98.867	67.718,588	1.725.364,906	25,478	25,014	61	61	80.675	9.894,168	120.387,369	12,168	11,703
12	12	98.844	65.413,000	1.657.646,318	25,341	24,877	62	62	79.258	9.391,612	110.493,201	11,765	11,301
13	13	98.822	63.187,346	1.592.233,318	25,199	24,735	63	63	77.698	8.895,463	101.101,590	11,366	10,901
14	14	98.800	61.036,745	1.529.045,973	25,051	24,587	64	64	76.054	8.412,835	92.206,127	10,960	10,496
15	15	98.770	58.954,950	1.468.009,227	24,901	24,437	65	65	74.307	7.941,560	83.793,292	10,551	10,087
16	16	98.729	56.937,693	1.409.054,277	24,747	24,283	66	66	72.409	7.477,056	75.851,731	10,145	9,681
17	17	98.670	54.979,548	1.352.116,584	24,593	24,129	67	67	70.380	7.021,802	68.374,675	9,737	9,273
18	18	98.599	53.081,730	1.297.137,036	24,437	23,973	68	68	68.173	6.571,543	61.352,873	9,336	8,872
19	19	98.496	51.233,056	1.244.055,306	24,282	23,818	69	69	65.800	6.128,316	54.781,331	8,939	8,475
20	20	98.389	49.446,958	1.192.822,250	24,123	23,659	70	70	63.288	5.695,002	48.653,015	8,543	8,079
21	21	98.283	47.723,439	1.143.375,291	23,958	23,494	71	71	60.609	5.269,521	42.958,013	8,152	7,688
22	22	98.182	46.062,176	1.095.651,852	23,786	23,322	72	72	57.749	4.851,052	37.688,492	7,769	7,305
23	23	98.081	44.458,923	1.049.589,676	23,608	23,144	73	73	54.711	4.440,473	32.837,440	7,395	6,931
24	24	97.983	42.912,443	1.005.130,753	23,423	22,959	74	74	51.518	4.039,901	28.396,967	7,029	6,565
25	25	97.886	41.419,958	962.218,310	23,231	22,767	75	75	48.208	3.652,495	24.357,066	6,669	6,205
26	26	97.790	39.980,171	920.798,351	23,031	22,567	76	76	44.787	3.278,550	20.704,571	6,315	5,851
27	27	97.693	38.589,752	880.818,181	22,825	22,361	77	77	41.321	2.922,533	17.426,021	5,963	5,499
28	28	97.594	37.247,262	842.228,429	22,612	22,148	78	78	37.788	2.582,311	14.503,488	5,616	5,152
29	29	97.494	35.950,567	804.981,167	22,391	21,927	79	79	34.179	2.256,677	11.921,177	5,283	4,819
30	30	97.396	34.700,256	769.030,600	22,162	21,698	80	80	30.561	1.949,555	9.664,499	4,957	4,493
31	31	97.293	33.491,355	734.330,344	21,926	21,462	81	81	26.911	1.658,699	7.714,944	4,651	4,187
32	32	97.182	32.321,695	700.838,988	21,683	21,219	82	82	23.325	1.389,026	6.056,245	4,360	3,896
33	33	97.068	31.192,011	668.517,294	21,432	20,968	83	83	19.770	1.137,495	4.667,219	4,103	3,639
34	34	96.944	30.098,741	637.325,283	21,174	20,710	84	84	16.483	916,314	3.529,724	3,852	3,388
35	35	96.806	29.039,513	607.226,542	20,910	20,446	85	85	13.487	724,406	2.613,409	3,608	3,144
36	36	96.655	28.013,790	578.187,029	20,639	20,175	86	86	10.885	564,868	1.889,004	3,344	2,880
37	37	96.491	27.020,622	550.173,239	20,361	19,897	87	87	8.491	425,738	1.324,136	3,110	2,646
38	38	96.316	26.059,350	523.152,618	20,075	19,611	88	88	6.365	308,363	898,397	2,913	2,449
39	39	96.116	25.125,834	497.093,267	19,784	19,320	89	89	4.613	215,925	590,035	2,733	2,269
40	40	95.891	24.219,354	471.967,434	19,487	19,023	90	90	3.223	145,750	374,110	2,567	2,103
41	41	95.642	23.339,720	447.748,080	19,184	18,720	91	91	2.173	94,947	228,359	2,405	1,941
42	42	95.366	22.485,366	424.408,360	18,875	18,411	92	92	1.390	58,689	133,412	2,273	1,809
43	43	95.049	21.652,697	401.922,994	18,562	18,098	93	93	851	34,699	74,723	2,153	1,689
44	44	94.691	20.841,603	380.270,297	18,246	17,782	94	94	497	19,573	40,024	2,045	1,581
45	45	94.305	20.054,835	359.428,694	17,922	17,458	95	95	276	10,507	20,451	1,946	1,482
46	46	93.866	19.286,392	339.373,859	17,597	17,133	96	96	146	5,355	9,944	1,857	1,393
47	47	93.379	18.537,593	320.087,467	17,267	16,803	97	97	73	2,584	4,589	1,776	1,312
48	48	92.848	17.808,889	301.549,875	16,933	16,469	98	98	34	1,178	2,005	1,703	1,239
49	49	92.273	17.100,082	283.740,986	16,593	16,129	99	99	15	0,506	0,828	1,636	1,172
							100	100	6	0,204	0,322	1,575	1,111

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -1 Jahr

Zinsfuß 3,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	1	99.620	99.620,306	2.644.751,120	26,548	26,084	50	51	91.406	16.366,621	263.840,993	16,121	15,657
1	2	99.130	95.778,061	2.545.130,814	26,573	26,109	51	52	90.701	15.691,101	247.474,373	15,772	15,308
2	3	99.071	92.483,515	2.449.352,753	26,484	26,020	52	53	89.958	15.036,345	231.783,271	15,415	14,951
3	4	99.034	89.322,729	2.356.869,238	26,386	25,922	53	54	89.148	14.397,062	216.746,926	15,055	14,591
4	5	99.003	86.275,265	2.267.546,509	26,283	25,819	54	55	88.280	13.774,692	202.349,864	14,690	14,226
5	6	98.977	83.335,671	2.181.271,243	26,175	25,710	55	56	87.348	13.168,457	188.575,172	14,320	13,856
6	7	98.954	80.499,112	2.097.935,573	26,062	25,598	56	57	86.346	12.577,211	175.406,715	13,946	13,482
7	8	98.934	77.761,082	2.017.436,461	25,944	25,480	57	58	85.288	12.002,919	162.829,503	13,566	13,102
8	9	98.912	75.114,992	1.939.675,379	25,823	25,359	58	59	84.143	11.441,313	150.826,584	13,183	12,719
9	10	98.894	72.561,553	1.864.560,387	25,696	25,232	59	60	82.917	10.893,397	139.385,271	12,795	12,331
10	11	98.876	70.095,325	1.791.998,834	25,565	25,101	60	61	81.594	10.357,067	128.491,875	12,406	11,942
11	12	98.858	67.712,237	1.721.903,509	25,430	24,966	61	62	80.221	9.838,490	118.134,807	12,007	11,543
12	13	98.835	65.407,444	1.654.191,272	25,291	24,827	62	63	78.759	9.332,511	108.296,317	11,604	11,140
13	14	98.813	63.181,223	1.588.783,827	25,146	24,682	63	64	77.170	8.834,958	98.963,806	11,201	10,737
14	15	98.788	61.029,633	1.525.602,604	24,998	24,534	64	65	75.498	8.351,313	90.128,848	10,792	10,328
15	16	98.752	58.944,417	1.464.572,971	24,847	24,383	65	66	73.700	7.876,699	81.777,535	10,382	9,918
16	17	98.708	56.925,635	1.405.628,554	24,692	24,228	66	67	71.753	7.409,340	73.900,836	9,974	9,510
17	18	98.649	54.967,451	1.348.702,919	24,536	24,072	67	68	69.665	6.950,425	66.491,496	9,567	9,103
18	19	98.570	53.066,464	1.293.735,467	24,380	23,916	68	69	67.393	6.496,380	59.541,071	9,165	8,701
19	20	98.468	51.218,854	1.240.669,003	24,223	23,759	69	70	64.960	6.050,130	53.044,691	8,768	8,304
20	21	98.358	49.431,340	1.189.450,149	24,063	23,599	70	71	62.388	5.614,056	46.994,562	8,371	7,907
21	22	98.259	47.711,763	1.140.018,809	23,894	23,430	71	72	59.626	5.184,090	41.380,505	7,982	7,518
22	23	98.155	46.049,705	1.092.307,046	23,720	23,256	72	73	56.707	4.763,592	36.196,416	7,599	7,135
23	24	98.056	44.447,324	1.046.257,341	23,539	23,075	73	74	53.596	4.350,010	31.432,823	7,226	6,762
24	25	97.957	42.900,785	1.001.810,018	23,352	22,888	74	75	50.345	3.947,946	27.082,813	6,860	6,396
25	26	97.861	41.409,766	958.909,233	23,157	22,693	75	76	46.958	3.557,795	23.134,867	6,503	6,039
26	27	97.762	39.968,978	917.499,466	22,955	22,491	76	77	43.490	3.183,641	19.577,073	6,149	5,685
27	28	97.664	38.578,506	877.530,489	22,747	22,283	77	78	39.976	2.827,456	16.393,431	5,798	5,334
28	29	97.565	37.236,206	838.951,983	22,531	22,067	78	79	36.388	2.486,605	13.565,975	5,456	4,992
29	30	97.465	35.940,044	801.715,777	22,307	21,843	79	80	32.741	2.161,748	11.079,370	5,125	4,661
30	31	97.365	34.688,895	765.775,733	22,076	21,612	80	81	29.072	1.854,584	8.917,623	4,808	4,344
31	32	97.259	33.479,392	731.086,838	21,837	21,373	81	82	25.411	1.566,237	7.063,039	4,510	4,046
32	33	97.147	32.310,202	697.607,446	21,591	21,127	82	83	21.818	1.299,261	5.496,802	4,231	3,767
33	34	97.029	31.179,547	665.297,245	21,338	20,874	83	84	18.353	1.055,985	4.197,541	3,975	3,511
34	35	96.898	30.084,630	634.117,697	21,078	20,614	84	85	15.158	842,678	3.141,556	3,728	3,264
35	36	96.756	29.024,646	604.033,067	20,811	20,347	85	86	12.316	661,509	2.298,878	3,475	3,011
36	37	96.600	27.997,949	575.008,421	20,538	20,073	86	87	9.787	507,921	1.637,369	3,224	2,760
37	38	96.432	27.004,052	547.010,472	20,257	19,793	87	88	7.490	375,553	1.129,447	3,007	2,543
38	39	96.248	26.041,121	520.006,420	19,969	19,505	88	89	5.528	267,805	753,894	2,815	2,351
39	40	96.039	25.105,726	493.965,299	19,675	19,211	89	90	3.929	183,920	486,090	2,643	2,179
40	41	95.807	24.198,284	468.859,572	19,376	18,912	90	91	2.696	121,926	302,170	2,478	2,014
41	42	95.548	23.316,649	444.661,288	19,071	18,607	91	92	1.766	77,154	180,244	2,336	1,872
42	43	95.259	22.460,078	421.344,640	18,760	18,296	92	93	1.105	46,635	103,090	2,211	1,747
43	44	94.926	21.624,591	398.884,562	18,446	17,982	93	94	660	26,926	56,455	2,097	1,633
44	45	94.559	20.812,591	377.259,971	18,127	17,663	94	95	376	14,814	29,528	1,993	1,529
45	46	94.155	20.023,028	356.447,380	17,802	17,338	95	96	203	7,746	14,715	1,900	1,436
46	47	93.697	19.251,754	336.424,352	17,475	17,011	96	97	104	3,840	6,968	1,815	1,351
47	48	93.198	18.501,544	317.172,598	17,143	16,679	97	98	51	1,800	3,128	1,738	1,273
48	49	92.651	17.771,135	298.671,055	16,807	16,343	98	99	23	0,796	1,328	1,668	1,204
49	50	92.051	17.058,927	280.899,920	16,466	16,002	99	100	10	0,331	0,532	1,604	1,140
							100	101	4	0,129	0,200	1,546	1,082

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -2 Jahre

Zinsfuß 3,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	2	99.585	99.584,628	2.640.887,124	26,519	26,055	50	52	91.153	16.321,167	260.832,338	15,981	15,517
1	3	99.111	95.759,124	2.541.302,496	26,538	26,074	51	53	90.427	15.643,664	244.511,171	15,630	15,166
2	4	99.054	92.467,641	2.445.543,372	26,448	25,984	52	54	89.674	14.988,867	228.867,507	15,269	14,805
3	5	99.021	89.311,192	2.353.075,731	26,347	25,883	53	55	88.838	14.346,986	213.878,640	14,908	14,444
4	6	98.990	86.263,987	2.263.764,538	26,242	25,778	54	56	87.945	13.722,529	199.531,654	14,540	14,076
5	7	98.968	83.327,992	2.177.500,551	26,132	25,668	55	57	86.998	13.115,589	185.809,125	14,167	13,703
6	8	98.945	80.492,101	2.094.172,559	26,017	25,553	56	58	85.961	12.521,078	172.693,535	13,792	13,328
7	9	98.924	77.753,617	2.013.680,458	25,898	25,434	57	59	84.877	11.945,117	160.172,457	13,409	12,945
8	10	98.906	75.110,138	1.935.926,841	25,775	25,310	58	60	83.715	11.383,148	148.227,340	13,022	12,558
9	11	98.886	72.555,451	1.860.816,702	25,647	25,183	59	61	82.461	10.833,437	136.844,192	12,632	12,168
10	12	98.867	70.088,752	1.788.261,251	25,514	25,050	60	62	81.135	10.298,785	126.010,755	12,235	11,771
11	13	98.849	67.706,487	1.718.172,500	25,377	24,913	61	63	79.716	9.776,578	115.711,971	11,836	11,372
12	14	98.826	65.401,107	1.650.466,013	25,236	24,772	62	64	78.223	9.269,033	105.935,393	11,429	10,965
13	15	98.801	63.173,861	1.585.064,906	25,091	24,626	63	65	76.605	8.770,349	96.666,360	11,022	10,558
14	16	98.771	61.018,729	1.521.891,045	24,941	24,477	64	66	74.882	8.283,105	87.896,011	10,611	10,147
15	17	98.732	58.931,934	1.460.872,316	24,789	24,325	65	67	73.032	7.805,363	79.612,906	10,200	9,736
16	18	98.687	56.913,111	1.401.940,382	24,633	24,169	66	68	71.024	7.334,024	71.807,543	9,791	9,327
17	19	98.620	54.951,643	1.345.027,271	24,477	24,013	67	69	68.868	6.870,929	64.473,519	9,384	8,919
18	20	98.543	53.051,754	1.290.075,628	24,317	23,853	68	70	66.533	6.413,498	57.602,590	8,981	8,517
19	21	98.437	51.202,676	1.237.023,875	24,159	23,695	69	71	64.037	5.964,136	51.189,092	8,583	8,119
20	22	98.334	49.419,246	1.185.821,198	23,995	23,531	70	72	61.377	5.523,040	45.224,956	8,188	7,724
21	23	98.233	47.698,845	1.136.401,953	23,825	23,360	71	73	58.551	5.090,625	39.701,917	7,799	7,335
22	24	98.130	46.037,691	1.088.703,107	23,648	23,184	72	74	55.552	4.666,547	34.611,291	7,417	6,953
23	25	98.029	44.435,248	1.042.665,417	23,465	23,001	73	75	52.376	4.250,996	29.944,745	7,044	6,580
24	26	97.932	42.890,228	998.230,169	23,274	22,810	74	76	49.040	3.845,585	25.693,748	6,681	6,217
25	27	97.834	41.398,173	955.339,940	23,077	22,613	75	77	45.598	3.454,803	21.848,163	6,324	5,860
26	28	97.734	39.957,330	913.941,767	22,873	22,409	76	78	42.075	3.080,069	18.393,360	5,972	5,508
27	29	97.635	38.567,055	873.984,438	22,661	22,197	77	79	38.495	2.722,665	15.313,291	5,624	5,160
28	30	97.537	37.225,307	835.417,383	22,442	21,978	78	80	34.857	2.382,003	12.590,627	5,286	4,822
29	31	97.433	35.928,276	798.192,076	22,216	21,752	79	81	31.146	2.056,439	10.208,623	4,964	4,500
30	32	97.330	34.676,504	762.263,800	21,982	21,518	80	82	27.451	1.751,202	8.152,184	4,655	4,191
31	33	97.224	33.467,487	727.587,296	21,740	21,276	81	83	23.769	1.465,020	6.400,982	4,369	3,905
32	34	97.109	32.297,291	694.119,809	21,492	21,028	82	84	20.254	1.206,159	4.935,961	4,092	3,628
33	35	96.983	31.164,930	661.822,517	21,236	20,772	83	85	16.878	971,124	3.729,803	3,841	3,377
34	36	96.849	30.069,228	630.657,587	20,974	20,509	84	86	13.842	769,513	2.758,678	3,585	3,121
35	37	96.702	29.008,234	600.588,360	20,704	20,240	85	87	11.074	594,820	1.989,166	3,344	2,880
36	38	96.541	27.980,780	571.580,126	20,428	19,964	86	88	8.634	448,049	1.394,346	3,112	2,648
37	39	96.365	26.985,163	543.599,346	20,144	19,680	87	89	6.505	326,158	946,297	2,901	2,437
38	40	96.171	26.020,282	516.614,183	19,854	19,390	88	90	4.709	228,109	620,140	2,719	2,255
39	41	95.955	25.083,885	490.593,901	19,558	19,094	89	91	3.287	153,856	392,030	2,548	2,084
40	42	95.713	24.174,364	465.510,016	19,256	18,792	90	92	2.191	99,077	238,174	2,404	1,940
41	43	95.440	23.290,425	441.335,652	18,949	18,485	91	93	1.403	61,308	139,098	2,269	1,805
42	44	95.135	22.430,924	418.045,227	18,637	18,173	92	94	857	36,189	77,790	2,150	1,686
43	45	94.793	21.594,489	395.614,303	18,320	17,856	93	95	500	20,379	41,601	2,041	1,577
44	46	94.409	20.779,582	374.019,814	17,999	17,535	94	96	277	10,921	21,221	1,943	1,479
45	47	93.986	19.987,067	353.240,232	17,673	17,209	95	97	146	5,555	10,300	1,854	1,390
46	48	93.515	19.214,316	333.253,165	17,344	16,880	96	98	73	2,676	4,745	1,773	1,309
47	49	93.000	18.462,322	314.038,849	17,010	16,546	97	99	34	1,217	2,069	1,700	1,236
48	50	92.428	17.728,365	295.576,527	16,673	16,208	98	100	15	0,522	0,852	1,634	1,170
49	51	91.818	17.015,825	277.848,163	16,329	15,865	99	101	6	0,210	0,331	1,573	1,109
							100	102	2	0,079	0,120	1,518	1,054

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -3 Jahre

Zinsfuß 3,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	3	99.565	99.564,939	2.636.764,265	26,483	26,019	50	53	90.877	16.271,824	257.606,491	15,831	15,367
1	4	99.094	95.742,687	2.537.199,326	26,500	26,036	51	54	90.141	15.594,268	241.334,667	15,476	15,012
2	5	99.041	92.455,698	2.441.456,639	26,407	25,943	52	55	89.362	14.936,732	225.740,399	15,113	14,649
3	6	99.008	89.299,517	2.349.000,940	26,305	25,841	53	56	88.502	14.292,656	210.803,667	14,749	14,285
4	7	98.981	86.256,039	2.259.701,423	26,198	25,734	54	57	87.592	13.667,437	196.511,011	14,378	13,914
5	8	98.959	83.320,735	2.173.445,384	26,085	25,621	55	58	86.609	13.057,053	182.843,573	14,003	13,539
6	9	98.936	80.484,375	2.090.124,650	25,969	25,505	56	59	85.547	12.460,781	169.786,520	13,626	13,162
7	10	98.918	77.748,593	2.009.640,275	25,848	25,384	57	60	84.446	11.884,391	157.325,739	13,238	12,774
8	11	98.897	75.103,822	1.931.891,682	25,723	25,259	58	61	83.254	11.320,492	145.441,348	12,848	12,384
9	12	98.876	72.548,647	1.856.787,860	25,594	25,130	59	62	81.997	10.772,473	134.120,856	12,450	11,986
10	13	98.859	70.082,799	1.784.239,213	25,459	24,995	60	63	80.624	10.233,975	123.348,382	12,053	11,589
11	14	98.840	67.699,926	1.714.156,414	25,320	24,856	61	64	79.174	9.710,079	113.114,407	11,649	11,185
12	15	98.814	65.393,486	1.646.456,487	25,178	24,714	62	65	77.651	9.201,250	103.404,328	11,238	10,774
13	16	98.783	63.162,574	1.581.063,001	25,032	24,568	63	66	75.980	8.698,718	94.203,078	10,830	10,366
14	17	98.750	61.005,807	1.517.900,427	24,881	24,417	64	67	74.204	8.208,089	85.504,360	10,417	9,953
15	18	98.710	58.918,968	1.456.894,621	24,727	24,263	65	68	72.290	7.726,021	77.296,271	10,005	9,541
16	19	98.658	56.896,743	1.397.975,653	24,570	24,106	66	69	70.212	7.250,140	69.570,250	9,596	9,132
17	20	98.593	54.936,410	1.341.078,910	24,411	23,947	67	70	67.990	6.783,269	62.320,109	9,187	8,723
18	21	98.512	53.034,997	1.286.142,500	24,251	23,787	68	71	65.588	6.322,340	55.536,841	8,784	8,320
19	22	98.413	51.190,148	1.233.107,503	24,089	23,625	69	72	62.999	5.867,444	49.214,501	8,388	7,924
20	23	98.307	49.405,866	1.181.917,354	23,923	23,459	70	73	60.270	5.423,464	43.347,058	7,993	7,528
21	24	98.207	47.686,400	1.132.511,488	23,749	23,285	71	74	57.358	4.986,917	37.923,593	7,605	7,141
22	25	98.103	46.025,183	1.084.825,088	23,570	23,106	72	75	54.288	4.560,328	32.936,676	7,222	6,758
23	26	98.005	44.424,314	1.038.799,905	23,384	22,920	73	76	51.018	4.140,779	28.376,348	6,853	6,389
24	27	97.905	42.878,221	994.375,591	23,191	22,727	74	77	47.620	3.734,262	24.235,570	6,490	6,026
25	28	97.806	41.386,108	951.497,370	22,991	22,527	75	78	44.115	3.342,409	20.501,308	6,134	5,670
26	29	97.705	39.945,469	910.111,261	22,784	22,320	76	79	40.516	2.965,915	17.158,898	5,785	5,321
27	30	97.607	38.555,766	870.165,792	22,569	22,105	77	80	36.875	2.608,133	14.192,983	5,442	4,978
28	31	97.505	37.213,119	831.610,026	22,347	21,883	78	81	33.159	2.265,965	11.584,850	5,113	4,649
29	32	97.398	35.915,442	794.396,907	22,119	21,655	79	82	29.410	1.941,805	9.318,885	4,799	4,335
30	33	97.295	34.664,174	758.481,465	21,881	21,417	80	83	25.677	1.638,032	7.377,080	4,504	4,040
31	34	97.185	33.454,114	723.817,291	21,636	21,172	81	84	22.066	1.360,040	5.739,047	4,220	3,756
32	35	97.063	32.282,150	690.363,177	21,385	20,921	82	85	18.626	1.109,230	4.379,007	3,948	3,484
33	36	96.934	31.148,975	658.081,027	21,127	20,663	83	86	15.413	886,807	3.269,777	3,687	3,223
34	37	96.794	30.052,225	626.932,053	20,861	20,397	84	87	12.447	691,935	2.382,970	3,444	2,980
35	38	96.642	28.990,446	596.879,828	20,589	20,125	85	88	9.769	524,704	1.691,036	3,223	2,759
36	39	96.474	27.961,207	567.889,382	20,310	19,846	86	89	7.498	389,118	1.166,332	2,997	2,533
37	40	96.288	26.963,567	539.928,175	20,024	19,560	87	90	5.541	277,813	777,214	2,798	2,334
38	41	96.088	25.997,645	512.964,608	19,731	19,267	88	91	3.939	190,822	499,401	2,617	2,153
39	42	95.860	25.059,090	486.966,963	19,433	18,969	89	92	2.671	125,023	308,579	2,468	2,004
40	43	95.605	24.147,176	461.907,873	19,129	18,665	90	93	1.741	78,727	183,555	2,332	1,868
41	44	95.316	23.260,194	437.760,697	18,820	18,356	91	94	1.089	47,575	104,828	2,203	1,739
42	45	95.003	22.399,700	414.500,504	18,505	18,041	92	95	649	27,390	57,253	2,090	1,626
43	46	94.643	21.560,240	392.100,804	18,186	17,722	93	96	368	15,024	29,863	1,988	1,524
44	47	94.239	20.742,262	370.540,563	17,864	17,400	94	97	199	7,832	14,838	1,895	1,430
45	48	93.804	19.948,199	349.798,301	17,535	17,071	95	98	102	3,871	7,006	1,810	1,346
46	49	93.317	19.173,583	329.850,102	17,203	16,739	96	99	49	1,809	3,135	1,733	1,269
47	50	92.776	18.417,888	310.676,519	16,868	16,404	97	100	22	0,797	1,327	1,664	1,200
48	51	92.195	17.683,572	292.258,631	16,527	16,063	98	101	10	0,331	0,529	1,601	1,137
49	52	91.563	16.968,568	274.575,060	16,181	15,717	99	102	4	0,129	0,199	1,543	1,079
							100	103	1	0,047	0,070	1,491	1,027

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -4 Jahre

Zinsfuß 3,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	4	99.548	99.547,849	2.632.352,196	26,443	25,979	50	54	90.590	16.220,445	254.155,266	15,669	15,205
1	5	99.081	95.730,322	2.532.804,347	26,458	25,994	51	55	89.828	15.540,028	237.934,820	15,311	14,847
2	6	99.028	92.443,612	2.437.074,025	26,363	25,899	52	56	89.024	14.880,169	222.394,793	14,946	14,482
3	7	98.999	89.291,289	2.344.630,413	26,258	25,794	53	57	88.146	14.235,275	207.514,624	14,577	14,113
4	8	98.972	86.248,527	2.255.339,124	26,149	25,685	54	58	87.201	13.606,438	193.279,349	14,205	13,741
5	9	98.949	83.312,736	2.169.090,598	26,036	25,571	55	59	86.192	12.994,175	179.672,910	13,827	13,363
6	10	98.929	80.479,174	2.085.777,861	25,917	25,453	56	60	85.112	12.397,433	166.678,735	13,445	12,981
7	11	98.910	77.742,055	2.005.298,687	25,794	25,330	57	61	83.981	11.818,976	154.281,302	13,054	12,590
8	12	98.888	75.096,779	1.927.556,632	25,668	25,204	58	62	82.786	11.256,788	142.462,325	12,656	12,192
9	13	98.868	72.542,486	1.852.459,853	25,536	25,072	59	63	81.481	10.704,683	131.205,538	12,257	11,793
10	14	98.849	70.076,009	1.779.917,368	25,400	24,936	60	64	80.076	10.164,366	120.500,854	11,855	11,391
11	15	98.828	67.692,038	1.709.841,359	25,259	24,795	61	65	78.595	9.639,071	110.336,489	11,447	10,983
12	16	98.796	65.381,802	1.642.149,321	25,116	24,652	62	66	77.017	9.126,100	100.697,418	11,034	10,570
13	17	98.763	63.149,198	1.576.767,519	24,969	24,505	63	67	75.292	8.619,938	91.571,318	10,623	10,159
14	18	98.728	60.992,384	1.513.618,321	24,817	24,352	64	68	73.449	8.124,653	82.951,380	10,210	9,746
15	19	98.681	58.902,023	1.452.625,937	24,662	24,198	65	69	71.463	7.637,654	74.826,727	9,797	9,333
16	20	98.631	56.880,971	1.393.723,914	24,502	24,038	66	70	69.316	7.157,642	67.189,072	9,387	8,923
17	21	98.562	54.919,058	1.336.842,943	24,342	23,878	67	71	67.023	6.686,855	60.031,431	8,978	8,514
18	22	98.488	53.022,021	1.281.923,885	24,177	23,713	68	72	64.524	6.219,840	53.344,576	8,577	8,112
19	23	98.386	51.176,289	1.228.901,864	24,013	23,549	69	73	61.863	5.761,659	47.124,736	8,179	7,715
20	24	98.282	49.392,976	1.177.725,575	23,844	23,380	70	74	59.042	5.312,975	41.363,077	7,785	7,321
21	25	98.180	47.673,445	1.128.332,599	23,668	23,204	71	75	56.053	4.873,406	36.050,102	7,397	6,933
22	26	98.079	46.013,858	1.080.659,154	23,486	23,021	72	76	52.880	4.442,090	31.176,695	7,018	6,554
23	27	97.978	44.411,877	1.034.645,296	23,297	22,833	73	77	49.542	4.020,910	26.734,605	6,649	6,185
24	28	97.877	42.865,725	990.233,419	23,101	22,637	74	78	46.071	3.612,777	22.713,696	6,287	5,823
25	29	97.776	41.373,824	947.367,694	22,898	22,434	75	79	42.480	3.218,533	19.100,919	5,935	5,471
26	30	97.676	39.933,777	905.993,870	22,687	22,223	76	80	38.812	2.841,151	15.882,386	5,590	5,126
27	31	97.575	38.543,142	866.060,093	22,470	22,006	77	81	35.079	2.481,079	13.041,235	5,256	4,792
28	32	97.470	37.199,826	827.516,951	22,245	21,781	78	82	31.311	2.139,652	10.560,156	4,935	4,471
29	33	97.364	35.902,672	790.317,125	22,013	21,549	79	83	27.509	1.816,318	8.420,505	4,636	4,172
30	34	97.256	34.650,323	754.414,454	21,772	21,308	80	84	23.837	1.520,654	6.604,187	4,343	3,879
31	35	97.140	33.438,430	719.764,131	21,525	21,061	81	85	20.293	1.250,745	5.083,532	4,064	3,600
32	36	97.013	32.265,623	686.325,700	21,271	20,807	82	86	17.009	1.012,922	3.832,787	3,784	3,320
33	37	96.879	31.131,361	654.060,078	21,010	20,546	83	87	13.859	797,404	2.819,866	3,536	3,072
34	38	96.735	30.033,796	622.928,717	20,741	20,277	84	88	10.980	610,371	2.022,462	3,313	2,849
35	39	96.575	28.970,166	592.894,920	20,466	20,002	85	89	8.484	455,691	1.412,091	3,099	2,635
36	40	96.396	27.938,831	563.924,754	20,184	19,720	86	90	6.387	331,441	956,400	2,886	2,422
37	41	96.204	26.940,110	535.985,923	19,895	19,431	87	91	4.635	232,401	624,959	2,689	2,225
38	42	95.993	25.971,946	509.045,813	19,600	19,136	88	92	3.201	155,062	392,557	2,532	2,068
39	43	95.753	25.030,907	483.073,867	19,299	18,835	89	93	2.122	99,345	237,495	2,391	1,927
40	44	95.481	24.115,832	458.042,961	18,993	18,529	90	94	1.351	61,093	138,150	2,261	1,797
41	45	95.184	23.227,815	433.927,128	18,681	18,217	91	95	824	36,008	77,057	2,140	1,676
42	46	94.852	22.364,174	410.699,313	18,364	17,900	92	96	478	20,193	41,050	2,033	1,569
43	47	94.473	21.521,519	388.335,139	18,044	17,580	93	97	264	10,775	20,857	1,936	1,472
44	48	94.056	20.701,926	366.813,621	17,719	17,255	94	98	138	5,457	10,082	1,848	1,383
45	49	93.605	19.905,910	346.111,695	17,387	16,923	95	99	69	2,617	4,625	1,767	1,303
46	50	93.092	19.127,438	326.205,785	17,054	16,590	96	100	32	1,185	2,008	1,695	1,231
47	51	92.542	18.371,353	307.078,347	16,715	16,251	97	101	14	0,505	0,823	1,629	1,165
48	52	91.939	17.634,460	288.706,994	16,372	15,908	98	102	6	0,203	0,318	1,569	1,105
49	53	91.287	16.917,269	271.072,534	16,023	15,559	99	103	2	0,076	0,115	1,515	1,051
							100	104	1	0,027	0,039	1,465	1,001

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -5 Jahre

Zinsfuß 3,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	5	99.535	99.534,992	2.627.634,081	26,399	25,935	50	55	90.275	16.164,027	250.468,977	15,495	15,031
1	6	99.068	95.717,808	2.528.099,089	26,412	25,948	51	56	89.487	15.481,180	234.304,951	15,135	14,671
2	7	99.019	92.435,094	2.432.381,282	26,314	25,850	52	57	88.666	14.820,429	218.823,771	14,765	14,301
3	8	98.990	89.283,512	2.339.946,188	26,208	25,744	53	58	87.753	14.171,742	204.003,342	14,395	13,931
4	9	98.963	86.240,247	2.250.662,675	26,098	25,634	54	59	86.781	13.540,915	189.831,600	14,019	13,555
5	10	98.943	83.307,353	2.164.422,428	25,981	25,517	55	60	85.754	12.928,116	176.290,685	13,636	13,172
6	11	98.921	80.472,406	2.081.115,075	25,861	25,397	56	61	84.644	12.329,195	163.362,570	13,250	12,786
7	12	98.900	77.734,765	2.000.642,668	25,737	25,273	57	62	83.508	11.752,467	151.033,375	12,851	12,387
8	13	98.880	75.090,401	1.922.907,904	25,608	25,144	58	63	82.265	11.185,950	139.280,908	12,451	11,987
9	14	98.858	72.535,457	1.847.817,503	25,475	25,011	59	64	80.926	10.631,872	128.094,958	12,048	11,584
10	15	98.838	70.067,843	1.775.282,046	25,337	24,873	60	65	79.490	10.090,035	117.463,086	11,641	11,177
11	16	98.811	67.679,943	1.705.214,203	25,195	24,731	61	66	77.953	9.560,345	107.373,051	11,231	10,767
12	17	98.775	65.367,956	1.637.534,259	25,051	24,587	62	67	76.320	9.043,449	97.812,706	10,816	10,352
13	18	98.741	63.135,304	1.572.166,303	24,902	24,438	63	68	74.526	8.532,316	88.769,257	10,404	9,940
14	19	98.700	60.974,843	1.509.031,000	24,748	24,284	64	69	72.609	8.031,727	80.236,941	9,990	9,526
15	20	98.654	58.885,695	1.448.056,156	24,591	24,127	65	70	70.552	7.540,212	72.205,214	9,576	9,112
16	21	98.600	56.863,005	1.389.170,461	24,430	23,966	66	71	68.331	7.055,906	64.665,002	9,165	8,701
17	22	98.538	54.905,621	1.332.307,457	24,265	23,801	67	72	65.937	6.578,445	57.609,096	8,757	8,293
18	23	98.461	53.007,666	1.277.401,836	24,098	23,634	68	73	63.361	6.107,702	51.030,650	8,355	7,891
19	24	98.361	51.162,937	1.224.394,170	23,931	23,467	69	74	60.603	5.644,280	44.922,948	7,959	7,495
20	25	98.255	49.379,557	1.173.231,233	23,759	23,295	70	75	57.698	5.192,043	39.278,668	7,565	7,101
21	26	98.156	47.661,714	1.123.851,676	23,580	23,116	71	76	54.600	4.747,051	34.086,625	7,181	6,717
22	27	98.052	46.000,976	1.076.189,962	23,395	22,931	72	77	51.349	4.313,499	29.339,574	6,802	6,338
23	28	97.949	44.398,934	1.030.188,986	23,203	22,739	73	78	47.930	3.890,100	25.026,075	6,433	5,969
24	29	97.847	42.853,001	985.790,052	23,004	22,540	74	79	44.363	3.478,880	21.135,976	6,076	5,611
25	30	97.748	41.361,714	942.937,051	22,797	22,333	75	80	40.693	3.083,141	17.657,096	5,727	5,263
26	31	97.644	39.920,702	901.575,337	22,584	22,120	76	81	36.921	2.702,746	14.573,955	5,392	4,928
27	32	97.540	38.529,374	861.654,635	22,364	21,900	77	82	33.124	2.342,774	11.871,209	5,067	4,603
28	33	97.435	37.186,599	823.125,261	22,135	21,671	78	83	29.287	2.001,379	9.528,435	4,761	4,297
29	34	97.325	35.888,326	785.938,662	21,900	21,436	79	84	25.538	1.686,164	7.527,056	4,464	4,000
30	35	97.211	34.634,078	750.050,337	21,656	21,192	80	85	21.922	1.398,452	5.840,892	4,177	3,713
31	36	97.090	33.421,311	715.416,259	21,406	20,942	81	86	18.531	1.142,150	4.442,440	3,890	3,426
32	37	96.958	32.247,378	681.994,947	21,149	20,685	82	87	15.294	910,804	3.300,290	3,623	3,159
33	38	96.820	31.112,271	649.747,570	20,884	20,420	83	88	12.225	703,408	2.389,485	3,397	2,933
34	39	96.667	30.012,787	618.635,299	20,612	20,148	84	89	9.535	530,091	1.686,078	3,181	2,717
35	40	96.497	28.946,983	588.622,511	20,335	19,870	85	90	7.226	388,146	1.155,987	2,978	2,514
36	41	96.313	27.914,525	559.675,529	20,050	19,586	86	91	5.343	277,263	767,841	2,769	2,305
37	42	96.109	26.913,480	531.761,004	19,758	19,294	87	92	3.766	188,849	490,578	2,598	2,134
38	43	95.885	25.942,736	504.847,524	19,460	18,996	88	93	2.543	123,214	301,728	2,449	1,985
39	44	95.628	24.998,416	478.904,788	19,157	18,693	89	94	1.647	77,092	178,514	2,316	1,852
40	45	95.348	24.082,263	453.906,372	18,848	18,384	90	95	1.022	46,239	101,422	2,193	1,729
41	46	95.033	23.190,976	429.824,109	18,534	18,070	91	96	608	26,546	55,183	2,079	1,615
42	47	94.682	22.324,008	406.633,134	18,215	17,751	92	97	343	14,481	28,637	1,978	1,513
43	48	94.289	21.479,667	384.309,125	17,892	17,428	93	98	184	7,507	14,156	1,886	1,422
44	49	93.857	20.658,039	362.829,458	17,564	17,100	94	99	94	3,689	6,648	1,802	1,338
45	50	93.379	19.858,002	342.171,419	17,231	16,767	95	100	45	1,714	2,959	1,726	1,262
46	51	92.857	19.079,110	322.313,417	16,894	16,430	96	101	20	0,751	1,245	1,658	1,194
47	52	92.285	18.320,331	303.234,308	16,552	16,088	97	102	9	0,310	0,494	1,595	1,131
48	53	91.661	17.581,148	284.913,977	16,206	15,742	98	103	3	0,120	0,184	1,539	1,075
49	54	90.998	16.863,852	267.332,829	15,852	15,388	99	104	1	0,043	0,065	1,487	1,023
							100	105	0	0,015	0,021	1,440	0,976

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -6 Jahre

Zinsfuß 3,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	6	99.522	99.521,980	2.622.591,567	26,352	25,888	50	56	89.933	16.102,816	246.541,511	15,310	14,846
1	7	99.059	95.708,988	2.523.069,587	26,362	25,898	51	57	89.128	15.419,027	230.438,696	14,945	14,481
2	8	99.010	92.427,044	2.427.360,599	26,262	25,798	52	58	88.271	14.754,284	215.019,668	14,573	14,109
3	9	98.981	89.274,942	2.334.933,555	26,154	25,690	53	59	87.330	14.103,496	200.265,384	14,200	13,736
4	10	98.956	86.234,675	2.245.658,613	26,041	25,577	54	60	86.340	13.472,076	186.161,888	13,818	13,354
5	11	98.935	83.300,348	2.159.423,939	25,923	25,459	55	61	85.282	12.856,956	172.689,812	13,432	12,968
6	12	98.912	80.464,860	2.076.123,591	25,802	25,338	56	62	84.167	12.259,814	159.832,856	13,037	12,573
7	13	98.892	77.728,163	1.995.658,731	25,675	25,211	57	63	82.983	11.678,510	147.573,042	12,636	12,172
8	14	98.870	75.083,126	1.917.930,568	25,544	25,080	58	64	81.705	11.109,865	135.894,533	12,232	11,768
9	15	98.847	72.527,005	1.842.847,443	25,409	24,945	59	65	80.335	10.554,123	124.784,668	11,823	11,359
10	16	98.820	70.055,324	1.770.320,438	25,270	24,806	60	66	78.841	10.007,626	114.230,545	11,414	10,950
11	17	98.790	67.665,610	1.700.265,114	25,127	24,663	61	67	77.247	9.473,761	104.222,919	11,001	10,537
12	18	98.754	65.353,574	1.632.599,504	24,981	24,517	62	68	75.544	8.951,522	94.749,158	10,585	10,121
13	19	98.712	63.117,146	1.567.245,930	24,831	24,367	63	69	73.674	8.434,727	85.797,635	10,172	9,708
14	20	98.672	60.957,941	1.504.128,783	24,675	24,211	64	70	71.683	7.929,257	77.362,908	9,757	9,293
15	21	98.623	58.867,096	1.443.170,843	24,516	24,052	65	71	69.549	7.433,039	69.433,651	9,341	8,877
16	22	98.576	56.849,092	1.384.303,747	24,350	23,886	66	72	67.223	6.941,514	62.000,613	8,932	8,468
17	23	98.511	54.890,756	1.327.454,655	24,184	23,720	67	73	64.748	6.459,842	55.059,099	8,523	8,059
18	24	98.435	52.993,836	1.272.563,899	24,013	23,549	68	74	62.070	5.983,274	48.599,257	8,123	7,658
19	25	98.334	51.149,037	1.219.570,064	23,843	23,379	69	75	59.223	5.515,807	42.615,983	7,726	7,262
20	26	98.231	49.367,406	1.168.421,027	23,668	23,204	70	76	56.202	5.057,426	37.100,176	7,336	6,872
21	27	98.129	47.648,371	1.119.053,620	23,486	23,022	71	77	53.019	4.609,632	32.042,750	6,951	6,487
22	28	98.023	45.987,570	1.071.405,250	23,298	22,834	72	78	49.679	4.173,170	27.433,118	6,574	6,110
23	29	97.920	44.385,756	1.025.417,680	23,102	22,638	73	79	46.153	3.745,924	23.259,949	6,209	5,745
24	30	97.819	42.840,458	981.031,925	22,900	22,436	74	80	42.497	3.332,537	19.514,024	5,856	5,392
25	31	97.716	41.348,171	938.191,467	22,690	22,226	75	81	38.711	2.932,948	16.181,487	5,517	5,053
26	32	97.610	39.906,442	896.843,295	22,474	22,010	76	82	34.863	2.552,084	13.248,539	5,191	4,727
27	33	97.505	38.515,674	856.936,853	22,249	21,785	77	83	30.983	2.191,374	10.696,455	4,881	4,417
28	34	97.396	37.171,740	818.421,179	22,017	21,553	78	84	27.188	1.857,964	8.505,081	4,578	4,114
29	35	97.279	35.871,501	781.249,440	21,779	21,315	79	85	23.486	1.550,662	6.647,117	4,287	3,823
30	36	97.161	34.616,347	745.377,939	21,533	21,069	80	86	20.018	1.277,032	5.096,455	3,991	3,527
31	37	97.035	33.402,413	710.761,592	21,279	20,815	81	87	16.663	1.027,004	3.819,423	3,719	3,255
32	38	96.899	32.227,603	677.359,179	21,018	20,554	82	88	13.492	803,441	2.792,419	3,476	3,012
33	39	96.752	31.090,507	645.131,576	20,750	20,286	83	89	10.617	610,891	1.988,978	3,256	2,792
34	40	96.590	29.988,769	614.041,069	20,476	20,012	84	90	8.122	451,518	1.378,087	3,052	2,588
35	41	96.413	28.921,799	584.052,300	20,194	19,730	85	91	6.045	324,699	926,569	2,854	2,390
36	42	96.217	27.886,931	555.130,500	19,906	19,442	86	92	4.341	225,304	601,870	2,671	2,207
37	43	96.001	26.883,211	527.243,569	19,612	19,148	87	93	2.993	150,062	376,566	2,509	2,045
38	44	95.760	25.909,062	500.360,358	19,312	18,848	88	94	1.974	95,615	226,504	2,369	1,905
39	45	95.495	24.963,618	474.451,296	19,006	18,542	89	95	1.247	58,348	130,889	2,243	1,779
40	46	95.197	24.044,068	449.487,678	18,694	18,230	90	96	754	34,088	72,541	2,128	1,664
41	47	94.862	23.149,325	425.443,610	18,378	17,914	91	97	436	19,038	38,453	2,020	1,556
42	48	94.498	22.280,596	402.294,285	18,056	17,592	92	98	239	10,090	19,415	1,924	1,460
43	49	94.089	21.434,131	380.013,689	17,729	17,265	93	99	124	5,075	9,325	1,837	1,373
44	50	93.631	20.608,321	358.579,557	17,400	16,936	94	100	61	2,417	4,250	1,759	1,295
45	51	93.144	19.807,828	337.971,236	17,063	16,598	95	101	29	1,087	1,833	1,687	1,223
46	52	92.599	19.026,122	318.163,408	16,722	16,258	96	102	13	0,460	0,746	1,622	1,158
47	53	92.006	18.264,945	299.137,286	16,378	15,914	97	103	5	0,183	0,286	1,563	1,099
48	54	91.371	17.525,634	280.872,341	16,026	15,562	98	104	2	0,068	0,103	1,509	1,045
49	55	90.682	16.805,195	263.346,706	15,671	15,207	99	105	1	0,024	0,035	1,460	0,996
							100	106					

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -7 Jahre

Zinsfuß 3,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	7	99.513	99.512,810	2.617.211,042	26,300	25,836	50	57	89.572	16.038,168	242.367,120	15,112	14,648
1	8	99.050	95.700,652	2.517.698,232	26,308	25,844	51	58	88.730	15.350,211	226.328,952	14,744	14,280
2	9	99.001	92.418,172	2.421.997,580	26,207	25,743	52	59	87.846	14.683,233	210.978,742	14,369	13,905
3	10	98.974	89.269,173	2.329.579,408	26,096	25,632	53	60	86.886	14.031,797	196.295,509	13,989	13,525
4	11	98.948	86.227,423	2.240.310,235	25,981	25,517	54	61	85.865	13.397,922	182.263,712	13,604	13,140
5	12	98.925	83.292,536	2.154.082,811	25,862	25,398	55	62	84.802	12.784,605	168.865,790	13,209	12,745
6	13	98.903	80.458,026	2.070.790,276	25,738	25,273	56	63	83.638	12.182,664	156.081,184	12,812	12,348
7	14	98.882	77.720,632	1.990.332,250	25,609	25,145	57	64	82.418	11.599,075	143.898,520	12,406	11,942
8	15	98.859	75.074,377	1.912.611,618	25,476	25,012	58	65	81.108	11.028,620	132.299,446	11,996	11,532
9	16	98.829	72.514,046	1.837.537,242	25,340	24,876	59	66	79.679	10.467,923	121.270,825	11,585	11,121
10	17	98.799	70.040,488	1.765.023,195	25,200	24,736	60	67	78.127	9.916,991	110.802,902	11,173	10,709
11	18	98.768	67.650,723	1.694.982,707	25,055	24,591	61	68	76.462	9.377,460	100.885,910	10,758	10,294
12	19	98.725	65.334,779	1.627.331,984	24,908	24,444	62	69	74.680	8.849,139	91.508,450	10,341	9,877
13	20	98.685	63.099,650	1.561.997,206	24,754	24,290	63	70	72.734	8.327,115	82.659,312	9,927	9,462
14	21	98.641	60.938,687	1.498.897,556	24,597	24,133	64	71	70.664	7.816,554	74.332,196	9,510	9,046
15	22	98.599	58.852,693	1.437.958,869	24,433	23,969	65	72	68.421	7.312,532	66.515,642	9,096	8,632
16	23	98.549	56.833,700	1.379.106,176	24,266	23,802	66	73	66.011	6.816,365	59.203,110	8,685	8,221
17	24	98.485	54.876,435	1.322.272,476	24,095	23,631	67	74	63.429	6.328,240	52.386,745	8,278	7,814
18	25	98.409	52.979,438	1.267.396,041	23,922	23,458	68	75	60.657	5.847,084	46.058,505	7,877	7,413
19	26	98.310	51.136,451	1.214.416,603	23,749	23,285	69	76	57.688	5.372,795	40.211,421	7,484	7,020
20	27	98.203	49.353,585	1.163.280,152	23,570	23,106	70	77	54.575	4.911,022	34.838,626	7,094	6,630
21	28	98.100	47.634,484	1.113.926,567	23,385	22,921	71	78	51.294	4.459,669	29.927,604	6,711	6,247
22	29	97.994	45.973,920	1.066.292,082	23,193	22,729	72	79	47.838	4.018,503	25.467,935	6,338	5,874
23	30	97.891	44.372,764	1.020.318,163	22,994	22,530	73	80	44.212	3.588,348	21.449,432	5,978	5,513
24	31	97.787	42.826,431	975.945,399	22,788	22,324	74	81	40.427	3.170,194	17.861,084	5,634	5,170
25	32	97.681	41.333,401	933.118,968	22,575	22,111	75	82	36.553	2.769,454	14.690,889	5,305	4,841
26	33	97.575	39.892,252	891.785,567	22,355	21,891	76	83	32.610	2.387,158	11.921,435	4,994	4,530
27	34	97.466	38.500,284	851.893,314	22,127	21,663	77	84	28.763	2.034,345	9.534,277	4,687	4,223
28	35	97.351	37.154,313	813.393,031	21,892	21,428	78	85	25.004	1.708,655	7.499,932	4,389	3,925
29	36	97.229	35.853,136	776.238,718	21,651	21,186	79	86	21.447	1.416,026	5.791,277	4,090	3,626
30	37	97.106	34.596,773	740.385,582	21,400	20,936	80	87	18.000	1.148,289	4.375,251	3,810	3,346
31	38	96.976	33.381,930	705.788,809	21,143	20,679	81	88	14.698	905,944	3.226,962	3,562	3,098
32	39	96.831	32.205,059	672.406,879	20,879	20,415	82	89	11.717	697,767	2.321,019	3,326	2,862
33	40	96.674	31.065,627	640.201,820	20,608	20,144	83	90	9.044	520,341	1.623,252	3,120	2,656
34	41	96.506	29.962,679	609.136,193	20,330	19,866	84	91	6.794	377,712	1.102,910	2,920	2,456
35	42	96.318	28.893,211	579.173,513	20,045	19,581	85	92	4.912	263,851	725,198	2,749	2,284
36	43	96.109	27.855,568	550.280,303	19,755	19,291	86	93	3.450	179,029	461,348	2,577	2,113
37	44	95.876	26.848,316	522.424,735	19,458	18,994	87	94	2.322	116,449	282,319	2,424	1,960
38	45	95.627	25.872,997	495.576,419	19,154	18,690	88	95	1.494	72,367	165,870	2,292	1,828
39	46	95.344	24.924,025	469.703,422	18,845	18,381	89	96	919	43,016	93,503	2,174	1,710
40	47	95.026	24.000,886	444.779,397	18,532	18,068	90	97	541	24,447	50,487	2,065	1,601
41	48	94.678	23.104,308	420.778,511	18,212	17,748	91	98	304	13,264	26,040	1,963	1,499
42	49	94.297	22.233,363	397.674,204	17,886	17,422	92	99	162	6,821	12,776	1,873	1,409
43	50	93.863	21.382,545	375.440,841	17,558	17,094	93	100	82	3,325	5,955	1,791	1,327
44	51	93.394	20.556,251	354.058,296	17,224	16,760	94	101	39	1,532	2,630	1,717	1,253
45	52	92.885	19.752,817	333.502,044	16,884	16,420	95	102	17	0,666	1,098	1,649	1,185
46	53	92.319	18.968,602	313.749,227	16,540	16,076	96	103	7	0,272	0,432	1,588	1,124
47	54	91.715	18.207,273	294.780,625	16,190	15,726	97	104	3	0,104	0,160	1,532	1,068
48	55	91.054	17.464,676	276.573,352	15,836	15,372	98	105	1	0,037	0,056	1,481	1,017
49	56	90.339	16.741,556	259.108,676	15,477	15,013	99	106					
							100	107					

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -8 Jahre

Zinsfuß 3,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	8	99.504	99.504,143	2.611.475,062	26,245	25,781	50	58	89.172	15.966,588	237.939,256	14,902	14,438
1	9	99.041	95.691,466	2.511.970,919	26,251	25,787	51	59	88.303	15.276,290	221.972,668	14,531	14,067
2	10	98.994	92.412,200	2.416.279,453	26,147	25,683	52	60	87.399	14.608,587	206.696,378	14,149	13,685
3	11	98.966	89.261,666	2.323.867,253	26,034	25,570	53	61	86.408	13.954,562	192.087,792	13,765	13,301
4	12	98.939	86.219,337	2.234.605,586	25,918	25,454	54	62	85.382	13.322,527	178.133,229	13,371	12,907
5	13	98.917	83.285,462	2.148.386,249	25,795	25,331	55	63	84.268	12.704,153	164.810,702	12,973	12,509
6	14	98.894	80.450,230	2.065.100,788	25,669	25,205	56	64	83.069	12.099,800	152.106,549	12,571	12,107
7	15	98.871	77.711,575	1.984.650,557	25,539	25,075	57	65	81.816	11.514,253	140.006,749	12,159	11,695
8	16	98.841	75.060,963	1.906.938,982	25,405	24,941	58	66	80.445	10.938,546	128.492,497	11,747	11,283
9	17	98.808	72.498,690	1.831.878,019	25,268	24,804	59	67	78.957	10.373,120	117.553,951	11,333	10,869
10	18	98.777	70.025,078	1.759.379,329	25,125	24,661	60	68	77.333	9.816,185	107.180,831	10,919	10,455
11	19	98.740	67.631,267	1.689.354,251	24,979	24,515	61	69	75.588	9.270,205	97.364,646	10,503	10,039
12	20	98.698	65.316,668	1.621.722,985	24,829	24,365	62	70	73.727	8.736,240	88.094,441	10,084	9,620
13	21	98.654	63.079,720	1.556.406,317	24,674	24,210	63	71	71.700	8.208,758	79.358,201	9,668	9,203
14	22	98.617	60.923,777	1.493.326,597	24,511	24,047	64	72	69.518	7.689,830	71.149,444	9,252	8,788
15	23	98.572	58.836,759	1.432.402,821	24,345	23,881	65	73	67.188	7.180,694	63.459,614	8,838	8,374
16	24	98.523	56.818,872	1.373.566,062	24,174	23,710	66	74	64.666	6.677,499	56.278,920	8,428	7,964
17	25	98.459	54.861,526	1.316.747,190	24,001	23,537	67	75	61.985	6.184,198	49.601,421	8,021	7,557
18	26	98.385	52.966,402	1.261.885,664	23,824	23,360	68	76	59.085	5.695,484	43.417,223	7,623	7,159
19	27	98.282	51.122,135	1.208.919,262	23,648	23,184	69	77	56.018	5.217,262	37.721,739	7,230	6,766
20	28	98.175	49.339,202	1.157.797,127	23,466	23,002	70	78	52.800	4.751,254	32.504,477	6,841	6,377
21	29	98.071	47.620,345	1.108.457,925	23,277	22,813	71	79	49.393	4.294,384	27.753,223	6,463	5,999
22	30	97.965	45.960,463	1.060.837,580	23,082	22,618	72	80	45.825	3.849,460	23.458,839	6,094	5,630
23	31	97.859	44.358,235	1.014.877,117	22,879	22,415	73	81	42.058	3.413,544	19.609,378	5,745	5,281
24	32	97.752	42.811,133	970.518,882	22,670	22,206	74	82	38.173	2.993,475	16.195,835	5,410	4,946
25	33	97.646	41.318,704	927.707,749	22,452	21,988	75	83	34.191	2.590,481	13.202,359	5,096	4,632
26	34	97.536	39.876,312	886.389,044	22,228	21,764	76	84	30.273	2.216,099	10.611,879	4,789	4,325
27	35	97.420	38.482,234	846.512,732	21,997	21,533	77	85	26.451	1.870,862	8.395,779	4,488	4,024
28	36	97.301	37.135,292	808.030,498	21,759	21,295	78	86	22.833	1.560,302	6.524,918	4,182	3,718
29	37	97.174	35.832,862	770.895,206	21,514	21,050	79	87	19.284	1.273,270	4.964,616	3,899	3,435
30	38	97.046	34.575,557	735.062,344	21,260	20,796	80	88	15.878	1.012,931	3.691,346	3,644	3,180
31	39	96.908	33.358,579	700.486,787	20,999	20,535	81	89	12.765	786,787	2.678,414	3,404	2,940
32	40	96.754	32.179,287	667.128,208	20,732	20,268	82	90	9.980	594,340	1.891,627	3,183	2,719
33	41	96.590	31.038,600	634.948,921	20,457	19,993	83	91	7.565	435,285	1.297,286	2,980	2,516
34	42	96.410	29.933,062	603.910,320	20,175	19,711	84	92	5.521	306,929	862,001	2,808	2,344
35	43	96.210	28.860,715	573.977,259	19,888	19,424	85	93	3.903	209,658	555,072	2,648	2,183
36	44	95.984	27.819,411	545.116,543	19,595	19,131	86	94	2.677	138,928	345,414	2,486	2,022
37	45	95.743	26.810,943	517.297,133	19,294	18,830	87	95	1.758	88,136	206,486	2,343	1,879
38	46	95.475	25.831,962	490.486,190	18,988	18,524	88	96	1.101	53,351	118,350	2,218	1,754
39	47	95.172	24.879,262	464.654,228	18,676	18,212	89	97	659	30,849	64,999	2,107	1,643
40	48	94.841	23.954,212	439.774,966	18,359	17,895	90	98	377	17,033	34,150	2,005	1,541
41	49	94.477	23.055,328	415.820,754	18,036	17,572	91	99	205	8,967	17,117	1,909	1,445
42	50	94.070	22.179,853	392.765,425	17,708	17,244	92	100	106	4,468	8,150	1,824	1,360
43	51	93.626	21.328,520	370.585,572	17,375	16,911	93	101	52	2,108	3,681	1,747	1,283
44	52	93.135	20.499,162	349.257,053	17,038	16,574	94	102	24	0,939	1,574	1,676	1,212
45	53	92.604	19.693,100	328.757,891	16,694	16,230	95	103	10	0,394	0,635	1,613	1,149
46	54	92.028	18.908,708	309.064,791	16,345	15,881	96	104	4	0,155	0,241	1,555	1,091
47	55	91.396	18.143,943	290.156,082	15,992	15,528	97	105	2	0,057	0,086	1,502	1,038
48	56	90.709	17.398,540	272.012,139	15,634	15,170	98	106					
49	57	89.976	16.674,343	254.613,599	15,270	14,806	99	107					
							100	108					

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -9 Jahre

Zinsfuß 3,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	9	99.495	99.494,592	2.605.369,831	26,186	25,722	50	59	88.743	15.889,699	233.255,590	14,680	14,216
1	10	99.034	95.685,283	2.505.875,239	26,189	25,725	51	60	87.854	15.198,628	217.365,891	14,302	13,838
2	11	98.986	92.404,429	2.410.189,956	26,083	25,619	52	61	86.918	14.528,177	202.167,263	13,916	13,452
3	12	98.957	89.253,296	2.317.785,527	25,969	25,505	53	62	85.922	13.876,035	187.639,085	13,523	13,059
4	13	98.930	86.212,014	2.228.532,232	25,849	25,385	54	63	84.845	13.238,690	173.763,050	13,125	12,661
5	14	98.907	83.277,392	2.142.320,217	25,725	25,261	55	64	83.695	12.617,742	160.524,360	12,722	12,258
6	15	98.882	80.440,856	2.059.042,825	25,597	25,133	56	65	82.461	12.011,316	147.906,619	12,314	11,850
7	16	98.853	77.697,691	1.978.601,969	25,465	25,001	57	66	81.147	11.420,211	135.895,303	11,900	11,436
8	17	98.820	75.045,067	1.900.904,279	25,330	24,866	58	67	79.717	10.839,480	124.475,091	11,483	11,019
9	18	98.787	72.482,739	1.825.859,212	25,190	24,726	59	68	78.154	10.267,677	113.635,612	11,067	10,603
10	19	98.749	70.004,939	1.753.376,473	25,046	24,582	60	69	76.448	9.703,912	103.367,934	10,652	10,188
11	20	98.712	67.612,519	1.683.371,534	24,897	24,433	61	70	74.623	9.151,934	93.664,022	10,234	9,770
12	21	98.667	65.296,037	1.615.759,015	24,745	24,281	62	71	72.679	8.612,067	84.512,089	9,813	9,349
13	22	98.630	63.064,286	1.550.462,978	24,585	24,121	63	72	70.538	8.075,675	75.900,022	9,399	8,935
14	23	98.590	60.907,282	1.487.398,692	24,421	23,957	64	73	68.265	7.551,189	67.824,347	8,982	8,518
15	24	98.546	58.821,408	1.426.491,410	24,251	23,787	65	74	65.819	7.034,406	60.273,158	8,568	8,104
16	25	98.496	56.803,436	1.367.670,002	24,077	23,613	66	75	63.194	6.525,508	53.238,751	8,159	7,695
17	26	98.434	54.848,026	1.310.866,566	23,900	23,436	67	76	60.378	6.023,857	46.713,243	7,755	7,291
18	27	98.357	52.951,574	1.256.018,540	23,720	23,256	68	77	57.374	5.530,609	40.689,386	7,357	6,893
19	28	98.254	51.107,236	1.203.066,966	23,540	23,076	69	78	54.195	5.047,531	35.158,777	6,966	6,502
20	29	98.145	49.324,557	1.151.959,730	23,355	22,891	70	79	50.843	4.575,163	30.111,246	6,581	6,117
21	30	98.042	47.606,407	1.102.635,173	23,161	22,697	71	80	47.315	4.113,736	25.536,083	6,208	5,743
22	31	97.933	45.945,414	1.055.028,767	22,963	22,499	72	81	43.593	3.661,936	21.422,348	5,850	5,386
23	32	97.824	44.342,390	1.009.083,352	22,757	22,293	73	82	39.714	3.223,259	17.760,411	5,510	5,046
24	33	97.717	42.795,911	964.740,962	22,543	22,079	74	83	35.707	2.800,025	14.537,152	5,192	4,728
25	34	97.607	41.302,194	921.945,052	22,322	21,858	75	84	31.741	2.404,852	11.737,127	4,881	4,417
26	35	97.490	39.857,617	880.642,857	22,095	21,631	76	85	27.840	2.038,010	9.332,275	4,579	4,115
27	36	97.370	38.462,533	840.785,240	21,860	21,396	77	86	24.155	1.708,425	7.294,265	4,270	3,806
28	37	97.246	37.114,293	802.322,707	21,618	21,154	78	87	20.531	1.403,001	5.585,840	3,981	3,517
29	38	97.115	35.810,889	765.208,414	21,368	20,904	79	88	17.011	1.123,180	4.182,839	3,724	3,260
30	39	96.979	34.551,371	729.397,525	21,111	20,646	80	89	13.790	879,703	3.059,659	3,478	3,014
31	40	96.830	33.331,883	694.846,154	20,846	20,382	81	90	10.873	670,166	2.179,955	3,253	2,789
32	41	96.670	32.151,292	661.514,270	20,575	20,111	82	91	8.349	497,188	1.509,789	3,037	2,573
33	42	96.495	31.007,919	629.362,979	20,297	19,833	83	92	6.148	353,713	1.012,601	2,863	2,399
34	43	96.302	29.899,397	598.355,060	20,012	19,548	84	93	4.387	243,889	658,888	2,702	2,238
35	44	96.085	28.823,253	568.455,663	19,722	19,258	85	94	3.029	162,697	414,999	2,551	2,087
36	45	95.851	27.780,686	539.632,409	19,425	18,961	86	95	2.026	105,149	252,302	2,399	1,935
37	46	95.591	26.768,420	511.851,723	19,121	18,657	87	96	1.296	64,976	147,154	2,265	1,801
38	47	95.304	25.785,568	485.083,303	18,812	18,348	88	97	790	38,261	82,178	2,148	1,684
39	48	94.987	24.830,881	459.297,735	18,497	18,033	89	98	459	21,494	43,917	2,043	1,579
40	49	94.640	23.903,431	434.466,854	18,176	17,712	90	99	255	11,515	22,422	1,947	1,483
41	50	94.250	22.999,840	410.563,423	17,851	17,387	91	100	134	5,874	10,907	1,857	1,393
42	51	93.833	22.123,813	387.563,583	17,518	17,054	92	101	67	2,833	5,033	1,777	1,313
43	52	93.366	21.269,285	365.439,770	17,182	16,718	93	102	32	1,291	2,201	1,704	1,240
44	53	92.853	20.437,189	344.170,485	16,840	16,376	94	103	14	0,555	0,909	1,638	1,174
45	54	92.312	19.630,919	323.733,296	16,491	16,027	95	104	6	0,224	0,354	1,578	1,114
46	55	91.707	18.842,939	304.102,378	16,139	15,675	96	105	2	0,085	0,130	1,523	1,059
47	56	91.050	18.075,235	285.259,438	15,782	15,318	97	106					
48	57	90.345	17.328,689	267.184,204	15,419	14,955	98	107					
49	58	89.574	16.599,924	249.855,514	15,052	14,588	99	108					
							100	109					

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -10 Jahre

Zinsfuß 3,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	10	99.488	99.488,163	2.598.883,305	26,123	25,659	50	60	88.292	15.808,919	228.312,829	14,442	13,978
1	11	99.026	95.677,236	2.499.395,142	26,123	25,659	51	61	87.371	15.114,971	212.503,910	14,059	13,595
2	12	98.977	92.395,763	2.403.717,906	26,015	25,551	52	62	86.429	14.446,422	197.388,939	13,664	13,199
3	13	98.948	89.245,716	2.311.322,143	25,898	25,434	53	63	85.381	13.788,715	182.942,516	13,268	12,804
4	14	98.921	86.203,661	2.222.076,428	25,777	25,313	54	64	84.267	13.148,643	169.153,802	12,865	12,401
5	15	98.896	83.267,688	2.135.872,766	25,651	25,187	55	65	83.083	12.525,470	156.005,159	12,455	11,991
6	16	98.865	80.426,484	2.052.605,078	25,522	25,057	56	66	81.788	11.913,215	143.479,689	12,044	11,580
7	17	98.832	77.681,236	1.972.178,594	25,388	24,924	57	67	80.412	11.316,783	131.566,474	11,626	11,162
8	18	98.798	75.028,556	1.894.497,358	25,250	24,786	58	68	78.906	10.729,296	120.249,690	11,208	10,744
9	19	98.758	72.461,893	1.819.468,802	25,109	24,645	59	69	77.260	10.150,240	109.520,394	10,790	10,326
10	20	98.722	69.985,533	1.747.006,909	24,962	24,498	60	70	75.473	9.580,108	99.370,154	10,373	9,909
11	21	98.681	67.591,163	1.677.021,376	24,811	24,347	61	71	73.563	9.021,853	89.790,046	9,953	9,488
12	22	98.643	65.280,061	1.609.430,213	24,654	24,190	62	72	71.501	8.472,446	80.768,194	9,533	9,069
13	23	98.603	63.047,212	1.544.150,152	24,492	24,028	63	73	69.266	7.930,078	72.295,748	9,117	8,653
14	24	98.565	60.891,391	1.481.102,940	24,324	23,860	64	74	66.874	7.397,354	64.365,670	8,701	8,237
15	25	98.520	58.805,427	1.420.211,549	24,151	23,687	65	75	64.321	6.874,291	56.968,317	8,287	7,823
16	26	98.472	56.789,458	1.361.406,122	23,973	23,509	66	76	61.556	6.356,318	50.094,026	7,881	7,417
17	27	98.407	54.832,671	1.304.616,663	23,793	23,329	67	77	58.630	5.849,476	43.737,708	7,477	7,013
18	28	98.328	52.936,142	1.249.783,992	23,609	23,145	68	78	55.508	5.350,684	37.888,232	7,081	6,617
19	29	98.225	51.092,067	1.196.847,850	23,425	22,961	69	79	52.187	4.860,459	32.537,547	6,694	6,230
20	30	98.117	49.310,119	1.145.755,784	23,236	22,772	70	80	48.704	4.382,703	27.677,088	6,315	5,851
21	31	98.010	47.590,819	1.096.445,665	23,039	22,575	71	81	45.010	3.913,338	23.294,385	5,953	5,489
22	32	97.898	45.929,002	1.048.854,845	22,836	22,372	72	82	41.163	3.457,806	19.381,047	5,605	5,141
23	33	97.790	44.326,623	1.002.925,843	22,626	22,162	73	83	37.147	3.014,959	15.923,241	5,281	4,817
24	34	97.678	42.778,810	958.599,220	22,408	21,944	74	84	33.148	2.599,381	12.908,282	4,966	4,502
25	35	97.561	41.282,831	915.820,410	22,184	21,720	75	85	29.190	2.211,594	10.308,901	4,661	4,197
26	36	97.440	39.837,212	874.537,579	21,953	21,489	76	86	25.423	1.861,061	8.097,307	4,351	3,887
27	37	97.315	38.440,784	834.700,367	21,714	21,250	77	87	21.720	1.536,191	6.236,246	4,060	3,596
28	38	97.186	37.091,534	796.259,583	21,467	21,003	78	88	18.111	1.237,618	4.700,055	3,798	3,334
29	39	97.047	35.785,839	759.168,049	21,214	20,750	79	89	14.774	975,452	3.462,437	3,550	3,086
30	40	96.901	34.523,721	723.382,210	20,953	20,489	80	90	11.746	749,310	2.486,985	3,319	2,855
31	41	96.746	33.302,885	688.858,489	20,685	20,221	81	91	9.096	560,619	1.737,676	3,100	2,636
32	42	96.574	32.119,510	655.555,604	20,410	19,946	82	92	6.784	404,015	1.177,056	2,913	2,449
33	43	96.386	30.973,045	623.436,093	20,128	19,664	83	93	4.885	281,064	773,041	2,750	2,286
34	44	96.177	29.860,587	592.463,048	19,841	19,377	84	94	3.404	189,260	491,977	2,599	2,135
35	45	95.951	28.783,131	562.602,461	19,546	19,082	85	95	2.293	123,139	302,717	2,458	1,994
36	46	95.699	27.736,625	533.819,330	19,246	18,782	86	96	1.494	77,518	179,579	2,317	1,853
37	47	95.419	26.720,345	506.082,704	18,940	18,476	87	97	929	46,598	102,060	2,190	1,726
38	48	95.118	25.735,424	479.362,359	18,627	18,163	88	98	550	26,658	55,462	2,080	1,616
39	49	94.786	24.778,241	453.626,935	18,307	17,843	89	99	310	14,531	28,804	1,982	1,518
40	50	94.412	23.845,902	428.848,694	17,984	17,520	90	100	167	7,543	14,273	1,892	1,428
41	51	94.011	22.941,728	405.002,792	17,654	17,190	91	101	85	3,724	6,730	1,807	1,343
42	52	93.572	22.062,370	382.061,064	17,317	16,853	92	102	41	1,736	3,006	1,732	1,268
43	53	93.084	21.204,984	359.998,694	16,977	16,513	93	103	19	0,764	1,270	1,664	1,200
44	54	92.560	20.372,657	338.793,710	16,630	16,166	94	104	8	0,316	0,507	1,601	1,137
45	55	91.991	19.562,637	318.421,053	16,277	15,813	95	105	3	0,123	0,190	1,544	1,080
46	56	91.360	18.771,584	298.858,415	15,921	15,457	96	106					
47	57	90.685	18.002,668	280.086,832	15,558	15,094	97	107					
48	58	89.941	17.251,350	262.084,164	15,192	14,728	98	108					
49	59	89.143	16.519,985	244.832,814	14,820	14,356	99	109					
							100	110					

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -11 Jahre

Zinsfuß 3,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	11	99.480	99.479,797	2.591.999,624	26,056	25,592	50	61	87.806	15.721,903	223.106,876	14,191	13,727
1	12	99.017	95.668,264	2.492.519,827	26,054	25,590	51	62	86.879	15.029,914	207.384,973	13,798	13,334
2	13	98.968	92.387,916	2.396.851,563	25,943	25,479	52	63	85.885	14.355,513	192.355,059	13,399	12,935
3	14	98.939	89.237,068	2.304.463,647	25,824	25,360	53	64	84.800	13.694,926	177.999,546	12,997	12,533
4	15	98.909	86.193,616	2.215.226,579	25,701	25,237	54	65	83.651	13.052,489	164.304,621	12,588	12,124
5	16	98.878	83.252,811	2.129.032,962	25,573	25,109	55	66	82.405	12.423,170	151.252,132	12,175	11,711
6	17	98.844	80.409,451	2.045.780,151	25,442	24,978	56	67	81.047	11.805,322	138.828,961	11,760	11,296
7	18	98.810	77.664,145	1.965.370,700	25,306	24,842	57	68	79.595	11.201,748	127.023,639	11,340	10,876
8	19	98.770	75.006,978	1.887.706,555	25,167	24,703	58	69	78.004	10.606,579	115.821,891	10,920	10,456
9	20	98.731	72.441,806	1.812.699,577	25,023	24,559	59	70	76.275	10.020,741	105.215,312	10,500	10,036
10	21	98.690	69.963,428	1.740.257,771	24,874	24,410	60	71	74.400	9.443,941	95.194,570	10,080	9,616
11	22	98.657	67.574,626	1.670.294,343	24,718	24,254	61	72	72.370	8.875,588	85.750,630	9,661	9,197
12	23	98.616	65.262,387	1.602.719,718	24,558	24,094	62	73	70.212	8.319,695	76.875,042	9,240	8,776
13	24	98.577	63.030,762	1.537.457,331	24,392	23,928	63	74	67.855	7.768,523	68.555,347	8,825	8,361
14	25	98.538	60.874,848	1.474.426,568	24,221	23,757	64	75	65.352	7.228,977	60.786,824	8,409	7,945
15	26	98.495	58.790,957	1.413.551,720	24,044	23,580	65	76	62.653	6.696,058	53.557,846	7,998	7,534
16	27	98.445	56.773,560	1.354.760,763	23,863	23,399	66	77	59.774	6.172,313	46.861,789	7,592	7,128
17	28	98.378	54.816,691	1.297.987,203	23,679	23,215	67	78	56.723	5.659,177	40.689,476	7,190	6,726
18	29	98.299	52.920,429	1.243.170,512	23,491	23,027	68	79	53.450	5.152,377	35.030,298	6,799	6,335
19	30	98.196	51.077,111	1.190.250,083	23,303	22,839	69	80	49.992	4.655,998	29.877,921	6,417	5,953
20	31	98.085	49.293,974	1.139.172,971	23,110	22,646	70	81	46.332	4.169,203	25.221,923	6,050	5,586
21	32	97.975	47.573,820	1.089.878,997	22,909	22,445	71	82	42.501	3.695,193	21.052,720	5,697	5,233
22	33	97.863	45.912,671	1.042.305,177	22,702	22,238	72	83	38.503	3.234,348	17.357,527	5,367	4,903
23	34	97.751	44.308,911	996.392,506	22,487	22,023	73	84	34.485	2.798,913	14.123,179	5,046	4,582
24	35	97.632	42.758,755	952.083,595	22,266	21,802	74	85	30.484	2.390,491	11.324,265	4,737	4,273
25	36	97.511	41.261,696	909.324,841	22,038	21,574	75	86	26.655	2.019,574	8.933,775	4,424	3,960
26	37	97.385	39.814,686	868.063,145	21,803	21,339	76	87	22.860	1.673,439	6.914,201	4,132	3,668
27	38	97.256	38.417,211	828.248,459	21,559	21,095	77	88	19.159	1.355,108	5.240,762	3,867	3,403
28	39	97.118	37.065,588	789.831,248	21,309	20,845	78	89	15.729	1.074,838	3.885,654	3,615	3,151
29	40	96.969	35.757,201	752.765,660	21,052	20,588	79	90	12.584	830,865	2.810,816	3,383	2,919
30	41	96.817	34.493,686	717.008,459	20,787	20,323	80	91	9.826	626,826	1.979,950	3,159	2,695
31	42	96.650	33.269,966	682.514,773	20,514	20,050	81	92	7.391	455,559	1.353,124	2,970	2,506
32	43	96.465	32.083,387	649.244,807	20,236	19,772	82	93	5.391	321,035	897,565	2,796	2,332
33	44	96.261	30.932,842	617.161,420	19,952	19,488	83	94	3.791	218,108	576,530	2,643	2,179
34	45	96.043	29.819,021	586.228,579	19,660	19,196	84	95	2.577	143,243	358,422	2,502	2,038
35	46	95.799	28.737,481	556.409,558	19,362	18,898	85	96	1.690	90,781	215,179	2,370	1,906
36	47	95.527	27.686,811	527.672,077	19,059	18,595	86	97	1.071	55,593	124,398	2,238	1,774
37	48	95.233	26.668,383	499.985,266	18,748	18,284	87	98	648	32,467	68,805	2,119	1,655
38	49	94.917	25.680,867	473.316,883	18,431	17,967	88	99	372	18,022	36,338	2,016	1,552
39	50	94.558	24.718,607	447.636,016	18,109	17,645	89	100	203	9,519	18,316	1,924	1,460
40	51	94.174	23.785,652	422.917,409	17,780	17,316	90	101	106	4,782	8,797	1,840	1,376
41	52	93.750	22.878,014	399.131,757	17,446	16,982	91	102	52	2,282	4,015	1,760	1,296
42	53	93.289	21.995,671	376.253,743	17,106	16,642	92	103	24	1,026	1,734	1,689	1,225
43	54	92.790	21.138,028	354.258,073	16,759	16,295	93	104	11	0,435	0,707	1,625	1,161
44	55	92.238	20.301,796	333.120,045	16,408	15,944	94	105	4	0,174	0,272	1,566	1,102
45	56	91.642	19.488,557	312.818,248	16,051	15,587	95	106					
46	57	90.993	18.696,221	293.329,692	15,689	15,225	96	107					
47	58	90.280	17.922,320	274.633,471	15,324	14,860	97	108					
48	59	89.508	17.168,274	256.711,151	14,953	14,489	98	109					
49	60	88.690	16.436,001	239.542,877	14,574	14,110	99	110					
							100	111					

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -12 Jahre

Zinsfuß 3,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	12	99.470	99.470,467	2.584.708,305	25,985	25,521	50	62	87.312	15.633,430	217.636,628	13,921	13,457
1	13	99.008	95.660,139	2.485.237,837	25,980	25,516	51	63	86.332	14.935,332	202.003,198	13,525	13,061
2	14	98.959	92.378,965	2.389.577,698	25,867	25,403	52	64	85.301	14.257,869	187.067,866	13,120	12,656
3	15	98.927	89.226,670	2.297.198,734	25,746	25,282	53	65	84.180	13.594,777	172.809,997	12,711	12,247
4	16	98.891	86.178,216	2.207.972,063	25,621	25,157	54	66	82.968	12.945,884	159.215,220	12,299	11,834
5	17	98.857	83.235,180	2.121.793,847	25,492	25,028	55	67	81.658	12.310,659	146.269,335	11,882	11,417
6	18	98.822	80.391,760	2.038.558,667	25,358	24,894	56	68	80.223	11.685,321	133.958,676	11,464	11,000
7	19	98.782	77.641,809	1.958.166,907	25,221	24,756	57	69	78.685	11.073,627	122.273,355	11,042	10,578
8	20	98.742	74.986,186	1.880.525,098	25,078	24,614	58	70	77.009	10.471,259	111.199,728	10,620	10,155
9	21	98.700	72.418,925	1.805.538,913	24,932	24,468	59	71	75.191	9.878,311	100.728,469	10,197	9,733
10	22	98.666	69.946,310	1.733.119,988	24,778	24,314	60	72	73.194	9.290,833	90.850,158	9,778	9,314
11	23	98.630	67.556,330	1.663.173,677	24,619	24,155	61	73	71.065	8.715,569	81.559,325	9,358	8,894
12	24	98.590	65.245,360	1.595.617,347	24,456	23,992	62	74	68.781	8.150,203	72.843,756	8,938	8,474
13	25	98.551	63.013,638	1.530.371,988	24,286	23,822	63	75	66.310	7.591,698	64.693,553	8,522	8,058
14	26	98.514	60.859,869	1.467.358,349	24,110	23,646	64	76	63.658	7.041,548	57.101,855	8,109	7,645
15	27	98.468	58.774,498	1.406.498,480	23,930	23,466	65	77	60.839	6.502,218	50.060,307	7,699	7,235
16	28	98.416	56.757,014	1.347.723,982	23,746	23,281	66	78	57.829	5.971,512	43.558,089	7,294	6,830
17	29	98.349	54.800,420	1.290.966,968	23,558	23,094	67	79	54.620	5.449,437	37.586,577	6,897	6,433
18	30	98.270	52.904,939	1.236.166,548	23,366	22,902	68	80	51.202	4.935,636	32.137,140	6,511	6,047
19	31	98.164	51.060,388	1.183.261,609	23,174	22,710	69	81	47.556	4.429,184	27.201,504	6,141	5,677
20	32	98.050	49.276,366	1.132.201,221	22,977	22,513	70	82	43.749	3.936,795	22.772,320	5,784	5,320
21	33	97.940	47.556,903	1.082.924,855	22,771	22,307	71	83	39.755	3.456,395	18.835,525	5,449	4,985
22	34	97.824	45.894,325	1.035.367,951	22,560	22,096	72	84	35.744	3.002,582	15.379,130	5,122	4,658
23	35	97.705	44.288,138	989.473,626	22,342	21,878	73	85	31.714	2.573,988	12.376,548	4,808	4,344
24	36	97.582	42.736,864	945.185,488	22,116	21,652	74	86	27.837	2.182,937	9.802,560	4,491	4,027
25	37	97.456	41.238,364	902.448,624	21,884	21,420	75	87	23.968	1.815,971	7.619,623	4,196	3,732
26	38	97.325	39.790,271	861.210,260	21,644	21,180	76	88	20.165	1.476,178	5.803,652	3,932	3,468
27	39	97.188	38.390,338	821.419,989	21,397	20,933	77	89	16.639	1.176,875	4.327,474	3,677	3,213
28	40	97.040	37.035,926	783.029,651	21,142	20,678	78	90	13.397	915,520	3.150,599	3,441	2,977
29	41	96.885	35.726,093	745.993,725	20,881	20,417	79	91	10.527	695,051	2.235,078	3,216	2,752
30	42	96.721	34.459,589	710.267,632	20,612	20,148	80	92	7.985	509,359	1.540,028	3,023	2,559
31	43	96.542	33.232,548	675.808,043	20,336	19,872	81	93	5.873	361,992	1.030,669	2,847	2,383
32	44	96.340	32.041,742	642.575,495	20,054	19,590	82	94	4.183	249,126	668,677	2,684	2,220
33	45	96.127	30.889,783	610.533,753	19,765	19,301	83	95	2.869	165,077	419,551	2,542	2,078
34	46	95.891	29.771,727	579.643,970	19,470	19,006	84	96	1.900	105,602	254,474	2,410	1,946
35	47	95.627	28.685,869	549.872,243	19,169	18,705	85	97	1.212	65,105	148,872	2,287	1,823
36	48	95.341	27.632,970	521.186,374	18,861	18,397	86	98	746	38,734	83,767	2,163	1,699
37	49	95.032	26.611,848	493.553,404	18,546	18,082	87	99	438	21,949	45,032	2,052	1,588
38	50	94.688	25.619,060	466.941,556	18,226	17,762	88	100	244	11,806	23,084	1,955	1,491
39	51	94.319	24.656,152	441.322,496	17,899	17,435	89	101	129	6,034	11,278	1,869	1,405
40	52	93.912	23.719,594	416.666,344	17,566	17,102	90	102	65	2,930	5,244	1,790	1,326
41	53	93.467	22.808,849	392.946,750	17,228	16,764	91	103	31	1,349	2,314	1,715	1,251
42	54	92.995	21.926,218	370.137,901	16,881	16,417	92	104	14	0,585	0,965	1,648	1,184
43	55	92.467	21.064,505	348.211,683	16,531	16,067	93	105	6	0,239	0,379	1,588	1,124
44	56	91.889	20.224,916	327.147,178	16,175	15,711	94	106					
45	57	91.274	19.410,315	306.922,262	15,812	15,348	95	107					
46	58	90.587	18.612,778	287.511,946	15,447	14,983	96	108					
47	59	89.845	17.836,013	268.899,168	15,076	14,612	97	109					
48	60	89.053	17.080,994	251.063,155	14,698	14,234	98	110					
49	61	88.202	16.345,533	233.982,161	14,315	13,851	99	111					
							100	112					

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -13 Jahre

Zinsfuß 3,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	13	99.462	99.462,020	2.576.998,124	25,909	25,445	50	63	86.762	15.535,050	211.896,619	13,640	13,176
1	14	98.999	95.650,870	2.477.536,105	25,902	25,438	51	64	85.745	14.833,745	196.361,569	13,237	12,773
2	15	98.947	92.368,200	2.381.885,234	25,787	25,323	52	65	84.677	14.153,603	181.527,824	12,826	12,362
3	16	98.910	89.210,728	2.289.517,034	25,664	25,200	53	66	83.493	13.483,744	167.374,221	12,413	11,949
4	17	98.871	86.159,966	2.200.306,306	25,537	25,073	54	67	82.217	12.828,639	153.890,477	11,996	11,532
5	18	98.836	83.216,867	2.114.146,340	25,405	24,941	55	68	80.828	12.185,521	141.061,838	11,576	11,112
6	19	98.794	80.368,640	2.030.929,473	25,270	24,806	56	69	79.306	11.551,669	128.876,317	11,157	10,692
7	20	98.755	77.620,286	1.950.560,834	25,130	24,665	57	70	77.681	10.932,348	117.324,647	10,732	10,268
8	21	98.711	74.962,501	1.872.940,547	24,985	24,521	58	71	75.914	10.322,425	106.392,299	10,307	9,843
9	22	98.675	72.401,206	1.797.978,047	24,834	24,370	59	72	73.972	9.718,161	96.069,874	9,886	9,422
10	23	98.639	69.927,373	1.725.576,840	24,677	24,213	60	73	71.874	9.123,327	86.351,713	9,465	9,001
11	24	98.604	67.538,704	1.655.649,468	24,514	24,050	61	74	69.617	8.538,012	77.228,386	9,045	8,581
12	25	98.563	65.227,634	1.588.110,763	24,347	23,883	62	75	67.216	7.964,691	68.690,373	8,624	8,160
13	26	98.526	62.998,133	1.522.883,129	24,173	23,709	63	76	64.591	7.394,864	60.725,683	8,212	7,748
14	27	98.486	60.842,831	1.459.884,997	23,994	23,530	64	77	61.815	6.837,707	53.330,818	7,800	7,335
15	28	98.439	58.757,370	1.399.042,166	23,810	23,346	65	78	58.860	6.290,684	46.493,112	7,391	6,927
16	29	98.387	56.740,167	1.340.284,796	23,621	23,157	66	79	55.686	5.750,195	40.202,427	6,991	6,527
17	30	98.320	54.784,380	1.283.544,629	23,429	22,965	67	80	52.323	5.220,200	34.452,232	6,600	6,136
18	31	98.238	52.887,617	1.228.760,249	23,233	22,769	68	81	48.708	4.695,200	29.232,032	6,226	5,762
19	32	98.129	51.042,149	1.175.872,632	23,037	22,573	69	82	44.905	4.182,284	24.536,832	5,867	5,403
20	33	98.015	49.258,845	1.124.830,484	22,835	22,371	70	83	40.922	3.682,383	20.354,548	5,528	5,064
21	34	97.901	47.537,901	1.075.571,639	22,626	22,162	71	84	36.906	3.208,717	16.672,165	5,196	4,732
22	35	97.778	45.872,809	1.028.033,738	22,411	21,947	72	85	32.871	2.761,289	13.463,448	4,876	4,412
23	36	97.655	44.265,465	982.160,929	22,188	21,724	73	86	28.961	2.350,503	10.702,159	4,553	4,089
24	37	97.527	42.712,698	937.895,464	21,958	21,494	74	87	25.031	1.962,866	8.351,656	4,255	3,791
25	38	97.397	41.213,076	895.182,766	21,721	21,257	75	88	21.143	1.601,909	6.388,790	3,988	3,524
26	39	97.257	39.762,437	853.969,690	21,477	21,013	76	89	17.513	1.282,021	4.786,881	3,734	3,270
27	40	97.110	38.359,616	814.207,253	21,226	20,762	77	90	14.173	1.002,433	3.504,861	3,496	3,032
28	41	96.956	37.003,705	775.847,638	20,967	20,503	78	91	11.207	765,868	2.502,428	3,267	2,803
29	42	96.789	35.690,778	738.843,933	20,701	20,237	79	92	8.554	564,798	1.736,560	3,075	2,611
30	43	96.612	34.420,834	703.153,154	20,428	19,964	80	93	6.345	404,742	1.171,762	2,895	2,431
31	44	96.416	33.189,412	668.732,321	20,149	19,685	81	94	4.558	280,909	767,020	2,730	2,266
32	45	96.206	31.997,139	635.542,909	19,862	19,398	82	95	3.166	188,553	486,111	2,578	2,114
33	46	95.975	30.840,792	603.545,770	19,570	19,106	83	96	2.115	121,699	297,558	2,445	1,981
34	47	95.718	29.718,258	572.704,978	19,271	18,807	84	97	1.362	75,734	175,859	2,322	1,858
35	48	95.441	28.630,085	542.986,720	18,966	18,502	85	98	845	45,361	100,125	2,207	1,743
36	49	95.139	27.574,390	514.356,635	18,653	18,189	86	99	505	26,186	54,764	2,091	1,627
37	50	94.803	26.547,801	486.782,246	18,336	17,872	87	100	287	14,378	28,578	1,988	1,524
38	51	94.449	25.554,330	460.234,445	18,010	17,546	88	101	154	7,484	14,200	1,897	1,433
39	52	94.057	24.587,676	434.680,115	17,679	17,215	89	102	79	3,697	6,716	1,817	1,353
40	53	93.628	23.647,885	410.092,439	17,342	16,878	90	103	38	1,733	3,019	1,742	1,278
41	54	93.172	22.736,829	386.444,554	16,996	16,532	91	104	18	0,769	1,286	1,672	1,208
42	55	92.671	21.849,954	363.707,726	16,646	16,182	92	105	8	0,321	0,517	1,609	1,145
43	56	92.117	20.984,737	341.857,772	16,291	15,827	93	106					
44	57	91.520	20.143,719	320.873,035	15,929	15,465	94	107					
45	58	90.867	19.323,685	300.729,316	15,563	15,099	95	108					
46	59	90.151	18.523,146	281.405,631	15,192	14,728	96	109					
47	60	89.388	17.745,339	262.882,485	14,814	14,350	97	110					
48	61	88.563	16.986,976	245.137,146	14,431	13,967	98	111					
49	62	87.705	16.253,551	228.150,170	14,037	13,573	99	112					
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -14 Jahre

Zinsfuß 3,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	14	99.452	99.452,383	2.568.856,109	25,830	25,366	50	64	86.172	15.429,383	205.890,532	13,344	12,880
1	15	98.987	95.639,725	2.469.403,727	25,820	25,356	51	65	85.118	14.725,268	190.461,148	12,934	12,470
2	16	98.929	92.351,697	2.373.764,002	25,704	25,239	52	66	83.985	14.038,006	175.735,880	12,519	12,055
3	17	98.889	89.191,835	2.281.412,305	25,579	25,115	53	67	82.737	13.361,627	161.697,874	12,102	11,638
4	18	98.849	86.141,009	2.192.220,470	25,449	24,985	54	68	81.381	12.698,236	148.336,247	11,682	11,218
5	19	98.807	83.192,934	2.106.079,461	25,316	24,852	55	69	79.904	12.046,148	135.638,011	11,260	10,796
6	20	98.766	80.346,361	2.022.886,527	25,177	24,713	56	70	78.294	11.404,291	123.591,863	10,837	10,373
7	21	98.723	77.595,770	1.942.540,166	25,034	24,570	57	71	76.577	10.776,961	112.187,572	10,410	9,946
8	22	98.687	74.944,160	1.864.944,396	24,884	24,420	58	72	74.683	10.155,075	101.410,611	9,986	9,522
9	23	98.649	72.381,604	1.790.000,236	24,730	24,266	59	73	72.638	9.542,951	91.255,536	9,563	9,099
10	24	98.614	69.909,128	1.717.618,632	24,569	24,105	60	74	70.410	8.937,464	81.712,584	9,143	8,679
11	25	98.578	67.520,356	1.647.709,504	24,403	23,939	61	75	68.033	8.343,627	72.775,121	8,722	8,258
12	26	98.539	65.211,583	1.580.189,148	24,232	23,768	62	76	65.473	7.758,186	64.431,448	8,305	7,841
13	27	98.499	62.980,496	1.514.977,565	24,055	23,591	63	77	62.721	7.180,795	56.673,263	7,892	7,428
14	28	98.457	60.825,099	1.451.997,069	23,872	23,408	64	78	59.804	6.615,259	49.492,467	7,482	7,018
15	29	98.410	58.739,929	1.391.171,970	23,684	23,220	65	79	56.679	6.057,538	42.877,208	7,078	6,614
16	30	98.358	56.723,559	1.332.432,041	23,490	23,026	66	80	53.343	5.508,307	36.819,670	6,684	6,220
17	31	98.288	54.766,442	1.275.708,482	23,294	22,830	67	81	49.774	4.965,902	31.311,363	6,305	5,841
18	32	98.203	52.868,725	1.220.942,039	23,094	22,630	68	82	45.993	4.433,471	26.345,462	5,942	5,478
19	33	98.094	51.023,999	1.168.073,314	22,893	22,429	69	83	42.003	3.912,008	21.911,991	5,601	5,137
20	34	97.976	49.239,162	1.117.049,315	22,686	22,222	70	84	37.989	3.418,511	17.999,983	5,265	4,801
21	35	97.855	47.515,614	1.067.810,153	22,473	22,009	71	85	33.940	2.950,859	14.581,472	4,941	4,477
22	36	97.728	45.849,324	1.020.294,539	22,253	21,789	72	86	30.017	2.521,542	11.630,613	4,613	4,148
23	37	97.599	44.240,434	974.445,214	22,026	21,562	73	87	26.041	2.113,538	9.109,071	4,310	3,846
24	38	97.467	42.686,506	930.204,780	21,792	21,328	74	88	22.080	1.731,488	6.995,533	4,040	3,576
25	39	97.328	41.184,247	887.518,274	21,550	21,086	75	89	18.362	1.391,215	5.264,045	3,784	3,320
26	40	97.179	39.730,616	846.334,027	21,302	20,838	76	90	14.917	1.091,993	3.872,831	3,547	3,083
27	41	97.025	38.326,244	806.603,411	21,046	20,582	77	91	11.856	838,573	2.780,837	3,316	2,852
28	42	96.860	36.967,127	768.277,167	20,783	20,319	78	92	9.107	622,344	1.942,264	3,121	2,657
29	43	96.680	35.650,638	731.310,040	20,513	20,049	79	93	6.797	448,794	1.319,920	2,941	2,477
30	44	96.487	34.376,155	695.659,402	20,237	19,773	80	94	4.923	314,083	871,126	2,774	2,310
31	45	96.282	33.143,212	661.283,247	19,952	19,488	81	95	3.449	212,609	557,042	2,620	2,156
32	46	96.053	31.946,392	628.140,036	19,662	19,198	82	96	2.334	139,006	344,434	2,478	2,014
33	47	95.802	30.785,402	596.193,644	19,366	18,902	83	97	1.517	87,278	205,428	2,354	1,890
34	48	95.532	29.660,466	565.408,242	19,063	18,599	84	98	949	52,767	118,150	2,239	1,775
35	49	95.239	28.569,391	535.747,776	18,753	18,288	85	99	571	30,666	65,382	2,132	1,668
36	50	94.910	27.508,026	507.178,385	18,437	17,973	86	100	331	17,153	34,717	2,024	1,560
37	51	94.563	26.480,724	479.670,359	18,114	17,650	87	101	182	9,115	17,563	1,927	1,463
38	52	94.187	25.483,360	453.189,635	17,784	17,320	88	102	95	4,586	8,449	1,842	1,378
39	53	93.773	24.513,342	427.706,275	17,448	16,984	89	103	47	2,187	3,863	1,767	1,303
40	54	93.332	23.573,215	403.192,933	17,104	16,640	90	104	22	0,988	1,676	1,697	1,233
41	55	92.848	22.657,745	379.619,717	16,755	16,290	91	105	10	0,422	0,689	1,631	1,167
42	56	92.320	21.767,211	356.961,973	16,399	15,935	92	106					
43	57	91.747	20.900,489	335.194,762	16,038	15,574	93	107					
44	58	91.111	20.053,816	314.294,273	15,673	15,209	94	108					
45	59	90.429	19.230,630	294.240,457	15,301	14,837	95	109					
46	60	89.693	18.428,978	275.009,827	14,923	14,459	96	110					
47	61	88.896	17.647,664	256.580,849	14,539	14,075	97	111					
48	62	88.065	16.891,384	238.933,185	14,145	13,681	98	112					
49	63	87.153	16.151,269	222.041,801	13,748		99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -15 Jahre

Zinsfuß 3,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	15	99.441	99.440,794	2.560.271,473	25,747	25,283	50	65	85.542	15.316,551	199.619,987	13,033	12,569
1	16	98.969	95.622,637	2.460.830,679	25,735	25,271	51	66	84.423	14.605,001	184.303,436	12,619	12,155
2	17	98.908	92.332,139	2.365.208,042	25,616	25,152	52	67	83.225	13.910,869	169.698,435	12,199	11,735
3	18	98.867	89.172,211	2.272.875,903	25,489	25,025	53	68	81.896	13.225,806	155.787,565	11,779	11,315
4	19	98.820	86.116,236	2.183.703,692	25,358	24,894	54	69	80.450	12.552,999	142.561,759	11,357	10,893
5	20	98.780	83.169,873	2.097.587,456	25,221	24,756	55	70	78.884	11.892,461	130.008,760	10,932	10,468
6	21	98.735	80.320,983	2.014.417,583	25,080	24,616	56	71	77.181	11.242,196	118.116,299	10,507	10,042
7	22	98.699	77.576,784	1.934.096,600	24,931	24,467	57	72	75.335	10.602,242	106.874,103	10,080	9,616
8	23	98.660	74.923,869	1.856.519,816	24,779	24,315	58	73	73.337	9.971,988	96.271,861	9,654	9,190
9	24	98.623	72.362,720	1.781.595,947	24,620	24,156	59	74	71.158	9.348,539	86.299,873	9,231	8,767
10	25	98.587	69.890,135	1.709.233,228	24,456	23,992	60	75	68.807	8.734,032	76.951,334	8,811	8,346
11	26	98.553	67.503,741	1.639.343,092	24,285	23,821	61	76	66.269	8.127,342	68.217,302	8,394	7,930
12	27	98.512	65.193,327	1.571.839,351	24,110	23,646	62	77	63.578	7.533,599	60.089,961	7,976	7,512
13	28	98.470	62.962,141	1.506.646,024	23,929	23,465	63	78	60.681	6.947,186	52.556,362	7,565	7,101
14	29	98.428	60.807,045	1.443.683,883	23,742	23,278	64	79	57.587	6.370,083	45.609,175	7,160	6,696
15	30	98.381	58.722,736	1.382.876,838	23,549	23,085	65	80	54.294	5.802,721	39.239,092	6,762	6,298
16	31	98.326	56.704,987	1.324.154,102	23,352	22,888	66	81	50.745	5.239,973	33.436,371	6,381	5,917
17	32	98.253	54.746,879	1.267.449,116	23,151	22,687	67	82	46.999	4.689,063	28.196,398	6,013	5,549
18	33	98.168	52.849,926	1.212.702,236	22,946	22,482	68	83	43.020	4.146,962	23.507,315	5,669	5,205
19	34	98.055	51.003,611	1.159.852,310	22,741	22,277	69	84	38.993	3.631,682	19.360,354	5,331	4,867
20	35	97.930	49.216,078	1.108.848,699	22,530	22,066	70	85	34.936	3.143,794	15.728,672	5,003	4,539
21	36	97.805	47.491,288	1.059.632,621	22,312	21,848	71	86	30.993	2.694,652	12.584,878	4,670	4,206
22	37	97.673	45.823,398	1.012.141,333	22,088	21,624	72	87	26.991	2.267,334	9.890,226	4,362	3,898
23	38	97.540	44.213,305	966.317,934	21,856	21,392	73	88	22.971	1.864,399	7.622,892	4,089	3,625
24	39	97.399	42.656,646	922.104,629	21,617	21,153	74	89	19.176	1.503,750	5.758,493	3,829	3,365
25	40	97.251	41.151,289	879.447,983	21,371	20,907	75	90	15.640	1.185,002	4.254,743	3,590	3,126
26	41	97.095	39.696,052	838.296,694	21,118	20,654	76	91	12.479	913,494	3.069,740	3,360	2,896
27	42	96.930	38.288,359	798.600,643	20,858	20,394	77	92	9.634	681,425	2.156,246	3,164	2,700
28	43	96.751	36.925,552	760.312,284	20,590	20,126	78	93	7.237	494,521	1.474,822	2,982	2,518
29	44	96.555	35.604,362	723.386,733	20,317	19,853	79	94	5.275	348,268	980,301	2,815	2,351
30	45	96.352	34.328,303	687.782,370	20,035	19,571	80	95	3.726	237,717	632,032	2,659	2,195
31	46	96.129	33.090,646	653.454,067	19,747	19,283	81	96	2.543	156,740	394,316	2,516	2,052
32	47	95.881	31.889,016	620.363,421	19,454	18,990	82	97	1.674	99,690	237,575	2,383	1,919
33	48	95.616	30.725,535	588.474,405	19,153	18,689	83	98	1.057	60,811	137,885	2,267	1,803
34	49	95.330	29.597,588	557.748,869	18,844	18,380	84	99	642	35,672	77,075	2,161	1,697
35	50	95.009	28.500,633	528.151,281	18,531	18,067	85	100	374	20,088	41,403	2,061	1,597
36	51	94.670	27.438,523	499.650,649	18,210	17,746	86	101	210	10,874	21,314	1,960	1,496
37	52	94.301	26.407,181	472.212,125	17,882	17,418	87	102	111	5,585	10,440	1,869	1,405
38	53	93.902	25.406,318	445.804,945	17,547	17,083	88	103	56	2,712	4,855	1,790	1,326
39	54	93.477	24.435,940	420.398,626	17,204	16,740	89	104	27	1,247	2,143	1,719	1,255
40	55	93.008	23.491,222	395.962,686	16,856	16,392	90	105	12	0,542	0,897	1,654	1,190
41	56	92.496	22.571,943	372.471,464	16,502	16,037	91	106					
42	57	91.950	21.679,822	349.899,521	16,139	15,675	92	107					
43	58	91.337	20.807,208	328.219,699	15,774	15,310	93	108					
44	59	90.673	19.957,244	307.412,491	15,404	14,940	94	109					
45	60	89.970	19.132,865	287.455,247	15,024	14,560	95	110					
46	61	89.199	18.327,540	268.322,382	14,640	14,176	96	111					
47	62	88.396	17.548,354	249.994,841	14,246	13,782	97	112					
48	63	87.511	16.785,089	232.446,487	13,848	13,384	98						
49	64	86.560	16.041,411	215.661,399	13,444	12,980	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -16 Jahre

Zinsfuß 3,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	16	99.423	99.423,027	2.551.234,265	25,660	25,196	50	66	84.843	15.191,455	193.087,002	12,710	12,246
1	17	98.948	95.602,386	2.451.811,238	25,646	25,182	51	67	83.658	14.472,730	177.895,546	12,292	11,828
2	18	98.887	92.311,824	2.356.208,852	25,524	25,060	52	68	82.379	13.769,465	163.422,816	11,868	11,404
3	19	98.838	89.146,566	2.263.897,027	25,395	24,931	53	69	80.959	13.074,535	149.653,351	11,446	10,982
4	20	98.793	86.092,364	2.174.750,461	25,261	24,797	54	70	79.424	12.392,846	136.578,816	11,021	10,557
5	21	98.749	83.143,603	2.088.658,098	25,121	24,657	55	71	77.763	11.723,427	124.185,970	10,593	10,129
6	22	98.711	80.301,331	2.005.514,495	24,975	24,511	56	72	75.930	11.059,934	112.462,543	10,168	9,704
7	23	98.673	77.555,781	1.925.213,164	24,824	24,360	57	73	73.977	10.411,093	101.402,608	9,740	9,276
8	24	98.635	74.904,321	1.847.657,383	24,667	24,203	58	74	71.843	9.768,835	90.991,516	9,314	8,850
9	25	98.596	72.343,060	1.772.753,062	24,505	24,041	59	75	69.538	9.135,750	81.222,680	8,891	8,427
10	26	98.563	69.872,938	1.700.410,002	24,336	23,872	60	76	67.023	8.507,580	72.086,930	8,473	8,009
11	27	98.526	67.484,843	1.630.537,064	24,162	23,698	61	77	64.351	7.892,069	63.579,350	8,056	7,592
12	28	98.483	65.174,327	1.563.052,221	23,983	23,519	62	78	61.509	7.288,512	55.687,282	7,640	7,176
13	29	98.441	62.943,453	1.497.877,893	23,797	23,333	63	79	58.432	6.689,709	48.398,769	7,235	6,771
14	30	98.399	60.789,246	1.434.934,441	23,605	23,141	64	80	55.165	6.102,118	41.709,061	6,835	6,371
15	31	98.349	58.703,509	1.374.145,194	23,408	22,944	65	81	51.649	5.520,045	35.606,942	6,450	5,986
16	32	98.291	56.684,731	1.315.441,686	23,206	22,742	66	82	47.916	4.947,876	30.086,897	6,081	5,617
17	33	98.218	54.727,413	1.258.756,955	23,000	22,536	67	83	43.962	4.386,055	25.139,021	5,732	5,268
18	34	98.129	52.828,809	1.204.029,542	22,791	22,327	68	84	39.938	3.849,799	20.752,966	5,391	4,927
19	35	98.009	50.979,700	1.151.200,733	22,582	22,118	69	85	35.860	3.339,834	16.903,167	5,061	4,597
20	36	97.879	49.190,881	1.100.221,033	22,366	21,902	70	86	31.903	2.870,836	13.563,333	4,725	4,260
21	37	97.750	47.464,434	1.051.030,152	22,144	21,680	71	87	27.869	2.422,992	10.692,497	4,413	3,949
22	38	97.613	45.795,299	1.003.565,718	21,914	21,450	72	88	23.809	2.000,066	8.269,505	4,135	3,671
23	39	97.471	44.182,377	957.770,420	21,678	21,214	73	89	19.950	1.619,180	6.269,439	3,872	3,408
24	40	97.321	42.622,510	913.588,042	21,434	20,970	74	90	16.334	1.280,857	4.650,259	3,631	3,167
25	41	97.166	41.115,488	870.965,533	21,183	20,719	75	91	13.084	991,299	3.369,402	3,399	2,935
26	42	96.999	39.656,813	829.850,045	20,926	20,462	76	92	10.140	742,305	2.378,102	3,204	2,740
27	43	96.821	38.245,297	790.193,232	20,661	20,197	77	93	7.656	541,467	1.635,797	3,021	2,557
28	44	96.626	36.877,621	751.947,935	20,390	19,926	78	94	5.616	383,753	1.094,330	2,852	2,388
29	45	96.420	35.554,801	715.070,314	20,112	19,648	79	95	3.992	263,590	710,577	2,696	2,232
30	46	96.200	34.273,858	679.515,513	19,826	19,362	80	96	2.747	175,250	446,987	2,551	2,087
31	47	95.957	33.031,216	645.241,655	19,534	19,070	81	97	1.824	112,408	271,737	2,417	1,953
32	48	95.694	31.827,004	612.210,439	19,236	18,772	82	98	1.166	69,459	159,328	2,294	1,830
33	49	95.413	30.660,399	580.383,436	18,929	18,465	83	99	714	41,110	89,870	2,186	1,722
34	50	95.100	29.526,355	549.723,037	18,618	18,154	84	100	420	23,368	48,760	2,087	1,623
35	51	94.769	28.428,622	520.196,682	18,298	17,834	85	101	237	12,735	25,392	1,994	1,530
36	52	94.407	27.362,320	491.768,060	17,972	17,508	86	102	128	6,663	12,657	1,900	1,436
37	53	94.016	26.327,347	464.405,740	17,640	17,176	87	103	66	3,303	5,994	1,815	1,351
38	54	93.606	25.326,097	438.078,393	17,298	16,833	88	104	32	1,546	2,692	1,741	1,277
39	55	93.151	24.350,946	412.752,296	16,950	16,486	89	105	15	0,684	1,145	1,674	1,210
40	56	92.656	23.402,264	388.401,350	16,597	16,133	90	106					
41	57	92.125	22.481,323	364.999,086	16,236	15,772	91	107					
42	58	91.539	21.583,063	342.517,763	15,870	15,406	92	108					
43	59	90.898	20.707,008	320.934,700	15,499	15,035	93	109					
44	60	90.212	19.855,786	300.227,692	15,120	14,656	94	110					
45	61	89.474	19.027,553	280.371,906	14,735	14,271	95	111					
46	62	88.697	18.224,405	261.344,353	14,340	13,876	96	112					
47	63	87.840	17.437,924	243.119,948	13,942	13,478	97						
48	64	86.915	16.670,919	225.682,024	13,537	13,073	98						
49	65	85.927	15.924,103	209.011,105	13,125		99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -17 Jahre

Zinsfuß 3,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	17	99.402	99.401,972	2.541.738,952	25,570	25,106	50	67	84.075	15.053,873	186.299,354	12,376	11,911
1	18	98.927	95.581,352	2.442.336,980	25,552	25,088	51	68	82.808	14.325,615	171.245,481	11,954	11,490
2	19	98.858	92.285,276	2.346.755,628	25,429	24,965	52	69	81.437	13.611,976	156.919,866	11,528	11,064
3	20	98.811	89.121,854	2.254.470,352	25,296	24,832	53	70	79.926	12.907,728	143.307,890	11,102	10,638
4	21	98.762	86.065,171	2.165.348,498	25,159	24,695	54	71	78.295	12.216,699	130.400,162	10,674	10,210
5	22	98.724	83.123,260	2.079.283,327	25,014	24,550	55	72	76.502	11.533,364	118.183,463	10,247	9,783
6	23	98.684	80.279,590	1.996.160,067	24,865	24,401	56	73	74.561	10.860,534	106.650,099	9,820	9,356
7	24	98.647	77.535,546	1.915.880,477	24,710	24,246	57	74	72.470	10.198,994	95.789,565	9,392	8,928
8	25	98.608	74.883,971	1.838.344,931	24,549	24,085	58	75	70.208	9.546,480	85.590,571	8,966	8,502
9	26	98.572	72.325,259	1.763.460,959	24,382	23,918	59	76	67.735	8.898,883	76.044,091	8,545	8,081
10	27	98.535	69.853,376	1.691.135,701	24,210	23,746	60	77	65.083	8.261,299	67.145,208	8,128	7,664
11	28	98.497	67.465,176	1.621.282,324	24,031	23,567	61	78	62.257	7.635,320	58.883,909	7,712	7,248
12	29	98.454	65.154,982	1.553.817,149	23,848	23,384	62	79	59.230	7.018,385	51.248,589	7,302	6,838
13	30	98.412	62.925,029	1.488.662,166	23,658	23,194	63	80	55.974	6.408,298	44.230,204	6,902	6,438
14	31	98.367	60.769,343	1.425.737,138	23,461	22,997	64	81	52.478	5.804,858	37.821,906	6,516	6,052
15	32	98.314	58.682,539	1.364.967,795	23,260	22,796	65	82	48.770	5.212,336	32.017,048	6,143	5,679
16	33	98.256	56.664,575	1.306.285,256	23,053	22,589	66	83	44.820	4.628,124	26.804,712	5,792	5,328
17	34	98.179	54.705,545	1.249.620,680	22,843	22,379	67	84	40.812	4.071,759	22.176,588	5,446	4,982
18	35	98.083	52.804,041	1.194.915,135	22,629	22,165	68	85	36.728	3.540,423	18.104,828	5,114	4,650
19	36	97.958	50.953,600	1.142.111,094	22,415	21,951	69	86	32.746	3.049,854	14.564,405	4,775	4,311
20	37	97.824	49.163,066	1.091.157,493	22,195	21,731	70	87	28.687	2.581,414	11.514,551	4,461	3,997
21	38	97.690	47.435,328	1.041.994,428	21,967	21,503	71	88	24.584	2.137,375	8.933,137	4,179	3,715
22	39	97.545	45.763,264	994.559,100	21,733	21,269	72	89	20.678	1.737,003	6.795,761	3,912	3,448
23	40	97.393	44.147,020	948.795,836	21,492	21,028	73	90	16.993	1.379,178	5.058,758	3,668	3,204
24	41	97.237	42.585,429	904.648,816	21,243	20,779	74	91	13.664	1.071,486	3.679,581	3,434	2,970
25	42	97.070	41.074,846	862.063,387	20,988	20,524	75	92	10.632	805,530	2.608,095	3,238	2,774
26	43	96.890	39.612,212	820.988,541	20,726	20,262	76	93	8.058	589,843	1.802,565	3,056	2,592
27	44	96.695	38.195,654	781.376,329	20,457	19,993	77	94	5.941	420,183	1.212,722	2,886	2,422
28	45	96.491	36.826,287	743.180,676	20,181	19,717	78	95	4.250	290,447	792,538	2,729	2,265
29	46	96.267	35.498,411	706.354,388	19,898	19,434	79	96	2.943	194,325	502,092	2,584	2,120
30	47	96.027	34.212,303	670.855,978	19,609	19,145	80	97	1.970	125,683	307,767	2,449	1,985
31	48	95.770	32.966,982	636.643,675	19,312	18,848	81	98	1.271	78,320	182,083	2,325	1,861
32	49	95.492	31.759,532	603.676,693	19,008	18,544	82	99	788	46,956	103,763	2,210	1,746
33	50	95.184	30.586,608	571.917,161	18,698	18,234	83	100	468	26,930	56,807	2,109	1,645
34	51	94.860	29.451,753	541.330,552	18,380	17,916	84	101	266	14,814	29,877	2,017	1,553
35	52	94.506	28.349,669	511.878,800	18,056	17,592	85	102	145	7,803	15,063	1,931	1,467
36	53	94.122	27.279,598	483.529,131	17,725	17,261	86	103	76	3,940	7,261	1,843	1,379
37	54	93.719	26.244,217	456.249,533	17,385	16,921	87	104	38	1,883	3,320	1,763	1,299
38	55	93.280	25.238,006	430.005,316	17,038	16,574	88	105	18	0,849	1,437	1,694	1,230
39	56	92.799	24.258,733	404.767,309	16,685	16,221	89						
40	57	92.284	23.308,311	380.508,577	16,325	15,861	90						
41	58	91.714	22.380,987	357.200,266	15,960	15,496	91						
42	59	91.099	21.479,127	334.819,279	15,588	15,124	92						
43	60	90.435	20.601,738	313.340,153	15,209	14,745	93						
44	61	89.715	19.746,494	292.738,414	14,825	14,361	94						
45	62	88.971	18.920,479	272.991,920	14,428	13,964	95						
46	63	88.139	18.109,721	254.071,441	14,030	13,566	96						
47	64	87.242	17.319,314	235.961,721	13,624	13,160	97						
48	65	86.280	16.549,008	218.642,406	13,212	12,748	98						
49	66	85.226	15.794,045	202.093,399	12,796	12,332	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -18 Jahre

Zinsfuß 3,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	18	99.380	99.380,101	2.531.777,141	25,476	25,012	50	68	83.220	14.900,850	179.265,682	12,031	11,567
1	19	98.898	95.553,863	2.432.397,039	25,456	24,992	51	69	81.861	14.161,765	164.364,832	11,606	11,142
2	20	98.831	92.259,694	2.336.843,176	25,329	24,865	52	70	80.398	13.438,312	150.203,067	11,177	10,713
3	21	98.780	89.093,705	2.244.583,482	25,194	24,729	53	71	78.790	12.724,264	136.764,755	10,748	10,284
4	22	98.738	86.044,113	2.155.489,777	25,051	24,587	54	72	77.025	12.018,639	124.040,492	10,321	9,857
5	23	98.698	83.100,755	2.069.445,664	24,903	24,439	55	73	75.123	11.325,428	112.021,853	9,891	9,427
6	24	98.658	80.258,644	1.986.344,909	24,749	24,285	56	74	73.042	10.639,279	100.696,425	9,465	9,001
7	25	98.620	77.514,481	1.906.086,264	24,590	24,126	57	75	70.820	9.966,848	90.057,146	9,036	8,572
8	26	98.584	74.865,545	1.828.571,783	24,425	23,961	58	76	68.387	9.298,963	80.090,298	8,613	8,149
9	27	98.544	72.305,011	1.753.706,238	24,254	23,790	59	77	65.775	8.641,275	70.791,335	8,192	7,728
10	28	98.506	69.833,019	1.681.401,227	24,077	23,613	60	78	62.966	7.992,539	62.150,060	7,776	7,312
11	29	98.468	67.445,151	1.611.568,208	23,895	23,430	61	79	59.950	7.352,339	54.157,522	7,366	6,902
12	30	98.425	65.135,911	1.544.123,058	23,706	23,242	62	80	56.738	6.723,148	46.805,183	6,962	6,498
13	31	98.380	62.904,426	1.478.987,147	23,512	23,048	63	81	53.247	6.096,122	40.082,035	6,575	6,111
14	32	98.332	60.747,635	1.416.082,721	23,311	22,847	64	82	49.552	5.481,272	33.985,913	6,200	5,736
15	33	98.279	58.661,673	1.355.335,085	23,104	22,640	65	83	45.619	4.875,494	28.504,640	5,847	5,382
16	34	98.216	56.641,934	1.296.673,412	22,892	22,428	66	84	41.608	4.296,483	23.629,147	5,500	5,036
17	35	98.133	54.679,898	1.240.031,479	22,678	22,214	67	85	37.532	3.744,547	19.332,664	5,163	4,699
18	36	98.033	52.777,008	1.185.351,581	22,460	21,996	68	86	33.539	3.233,027	15.588,118	4,822	4,357
19	37	97.903	50.924,788	1.132.574,573	22,240	21,776	69	87	29.445	2.742,385	12.355,090	4,505	4,041
20	38	97.764	49.132,918	1.081.649,785	22,015	21,551	70	88	25.305	2.277,123	9.612,705	4,221	3,757
21	39	97.621	47.402,146	1.032.516,866	21,782	21,318	71	89	21.350	1.856,253	7.335,582	3,952	3,488
22	40	97.467	45.726,642	985.114,720	21,544	21,080	72	90	17.613	1.479,536	5.479,330	3,703	3,239
23	41	97.309	44.108,613	939.388,079	21,297	20,833	73	91	14.215	1.153,735	3.999,793	3,467	3,003
24	42	97.140	42.543,334	895.279,466	21,044	20,580	74	92	11.103	870,689	2.846,059	3,269	2,805
25	43	96.961	41.028,650	852.736,132	20,784	20,320	75	93	8.448	640,082	1.975,369	3,086	2,622
26	44	96.764	39.560,794	811.707,482	20,518	20,054	76	94	6.253	457,724	1.335,287	2,917	2,453
27	45	96.560	38.142,485	772.146,688	20,244	19,780	77	95	4.496	318,020	877,564	2,759	2,295
28	46	96.338	36.767,881	734.004,203	19,963	19,499	78	96	3.133	214,124	559,544	2,613	2,149
29	47	96.094	35.434,656	697.236,322	19,677	19,213	79	97	2.111	139,363	345,420	2,479	2,015
30	48	95.840	34.145,772	661.801,666	19,382	18,918	80	98	1.373	87,569	206,057	2,353	1,889
31	49	95.567	32.897,094	627.655,894	19,079	18,615	81	99	859	52,947	118,487	2,238	1,774
32	50	95.262	31.683,096	594.758,800	18,772	18,308	82	100	517	30,760	65,541	2,131	1,667
33	51	94.943	30.509,327	563.075,704	18,456	17,992	83	101	297	17,072	34,781	2,037	1,573
34	52	94.597	29.369,958	532.566,377	18,133	17,669	84	102	163	9,077	17,709	1,951	1,487
35	53	94.220	28.263,962	503.196,419	17,803	17,339	85	103	86	4,615	8,633	1,871	1,407
36	54	93.825	27.193,462	474.932,457	17,465	17,001	86	104	43	2,246	4,018	1,789	1,325
37	55	93.393	26.152,933	447.738,995	17,120	16,656	87	105	21	1,033	1,772	1,714	1,250
38	56	92.927	25.142,434	421.586,062	16,768	16,304	88	106					
39	57	92.426	24.161,341	396.443,629	16,408	15,944	89	107					
40	58	91.872	23.204,284	372.282,288	16,044	15,580	90	108					
41	59	91.272	22.273,208	349.078,004	15,673	15,209	91	109					
42	60	90.635	21.369,932	326.804,796	15,293	14,829	92	110					
43	61	89.938	20.488,341	305.434,865	14,908	14,444	93	111					
44	62	89.210	19.635,374	284.946,523	14,512	14,048	94	112					
45	63	88.411	18.801,414	265.311,149	14,111	13,647	95						
46	64	87.539	17.986,541	246.509,735	13,705	13,241	96						
47	65	86.604	17.192,661	228.523,194	13,292	12,828	97						
48	66	85.575	16.413,846	211.330,533	12,875	12,411	98						
49	67	84.454	15.651,005	194.916,687	12,454	11,990	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -19 Jahre

Zinsfuß 3,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	19	99.352	99.351,520	2.521.337,811	25,378	24,914	50	69	82.268	14.730,420	171.998,286	11,676	11,212
1	20	98.871	95.527,375	2.421.986,290	25,354	24,890	51	70	80.816	13.981,086	157.267,865	11,249	10,785
2	21	98.800	92.230,553	2.326.458,915	25,224	24,760	52	71	79.255	13.247,306	143.286,779	10,816	10,352
3	22	98.756	89.071,906	2.234.228,362	25,083	24,619	53	72	77.513	12.517,974	130.039,472	10,388	9,924
4	23	98.711	86.020,817	2.145.156,456	24,938	24,474	54	73	75.637	11.801,954	117.521,498	9,958	9,494
5	24	98.672	83.079,074	2.059.135,638	24,785	24,321	55	74	73.593	11.094,702	105.719,545	9,529	9,065
6	25	98.632	80.236,840	1.976.056,565	24,628	24,164	56	75	71.379	10.397,111	94.624,843	9,101	8,637
7	26	98.596	77.495,408	1.895.819,725	24,464	24,000	57	76	68.984	9.708,432	84.227,732	8,676	8,212
8	27	98.556	74.844,585	1.818.324,317	24,295	23,831	58	77	66.408	9.029,774	74.519,300	8,253	7,789
9	28	98.516	72.283,939	1.743.479,731	24,120	23,656	59	78	63.635	8.360,152	65.489,526	7,834	7,370
10	29	98.477	69.812,291	1.671.195,792	23,938	23,474	60	79	60.632	7.696,318	57.129,374	7,423	6,959
11	30	98.439	67.425,409	1.601.383,502	23,750	23,286	61	80	57.428	7.043,054	49.433,056	7,019	6,555
12	31	98.393	65.114,584	1.533.958,093	23,558	23,094	62	81	53.974	6.395,634	42.390,002	6,628	6,164
13	32	98.345	62.881,956	1.468.843,509	23,359	22,895	63	82	50.279	5.756,301	35.994,367	6,253	5,789
14	33	98.297	60.726,035	1.405.961,553	23,153	22,689	64	83	46.350	5.127,050	30.238,067	5,898	5,434
15	34	98.239	58.638,233	1.345.235,518	22,941	22,477	65	84	42.350	4.526,126	25.111,017	5,548	5,084
16	35	98.170	56.615,379	1.286.597,284	22,725	22,261	66	85	38.264	3.951,211	20.584,891	5,210	4,746
17	36	98.082	54.651,904	1.229.981,905	22,506	22,042	67	86	34.273	3.419,428	16.633,680	4,864	4,400
18	37	97.977	52.747,165	1.175.330,001	22,282	21,818	68	87	30.158	2.907,092	13.214,252	4,546	4,081
19	38	97.843	50.893,560	1.122.582,837	22,057	21,593	69	88	25.974	2.419,119	10.307,161	4,261	3,797
20	39	97.696	49.098,549	1.071.689,276	21,827	21,363	70	89	21.977	1.977,620	7.888,042	3,989	3,525
21	40	97.543	47.364,212	1.022.590,727	21,590	21,126	71	90	18.186	1.581,110	5.910,422	3,738	3,274
22	41	97.382	45.686,860	975.226,515	21,346	20,882	72	91	14.734	1.237,688	4.329,312	3,498	3,034
23	42	97.212	44.065,012	929.539,655	21,095	20,631	73	92	11.551	937,525	3.091,624	3,298	2,834
24	43	97.031	42.495,487	885.474,643	20,837	20,373	74	93	8.823	691,858	2.154,099	3,113	2,649
25	44	96.835	40.975,394	842.979,156	20,573	20,109	75	94	6.556	496,710	1.462,240	2,944	2,480
26	45	96.629	39.505,725	802.003,762	20,301	19,837	76	95	4.732	346,433	965,531	2,787	2,323
27	46	96.407	38.081,991	762.498,037	20,023	19,559	77	96	3.315	234,452	619,098	2,641	2,177
28	47	96.165	36.701,846	724.416,047	19,738	19,274	78	97	2.247	153,562	384,647	2,505	2,041
29	48	95.908	35.365,748	687.714,200	19,446	18,982	79	98	1.471	97,100	231,084	2,380	1,916
30	49	95.637	34.073,385	652.348,452	19,145	18,681	80	99	928	59,199	133,984	2,263	1,799
31	50	95.337	32.817,920	618.275,067	18,840	18,376	81	100	563	34,684	74,785	2,156	1,692
32	51	95.021	31.603,045	585.457,147	18,525	18,061	82	101	327	19,500	40,101	2,056	1,592
33	52	94.680	30.424,595	553.854,103	18,204	17,740	83	102	182	10,460	20,601	1,969	1,505
34	53	94.311	29.281,167	523.429,507	17,876	17,412	84	103	97	5,368	10,141	1,889	1,425
35	54	93.923	28.174,717	494.148,340	17,539	17,075	85	104	49	2,631	4,773	1,814	1,350
36	55	93.498	27.098,876	465.973,623	17,195	16,731	86	105	24	1,233	2,142	1,737	1,273
37	56	93.039	26.053,896	438.874,747	16,845	16,381	87	106					
38	57	92.554	25.041,494	412.820,851	16,485	16,021	88	107					
39	58	92.014	24.053,507	387.779,357	16,122	15,658	89	108					
40	59	91.429	23.092,540	363.725,851	15,751	15,287	90	109					
41	60	90.808	22.159,976	340.633,311	15,372	14,908	91	110					
42	61	90.137	21.252,306	318.473,335	14,985	14,521	92	111					
43	62	89.432	20.373,046	297.221,029	14,589	14,125	93	112					
44	63	88.649	19.511,811	276.847,982	14,189	13,725	94						
45	64	87.810	18.673,530	257.336,172	13,781	13,317	95						
46	65	86.899	17.855,009	238.662,642	13,367	12,903	96						
47	66	85.897	17.052,242	220.807,633	12,949	12,485	97						
48	67	84.800	16.265,192	203.755,391	12,527	12,063	98						
49	68	83.595	15.491,913	187.490,198	12,102	11,638	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -20 Jahre

Zinsfuß 3,50%

Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	20	99.324	99.323,980	2.510.415,876	25,275	24,811	50	70	81.219	14.542,487	164.512,173	11,313	10,848
1	21	98.840	95.497,202	2.411.091,897	25,248	24,784	51	71	79.668	13.782,366	149.969,685	10,881	10,417
2	22	98.776	92.207,987	2.315.594,694	25,113	24,649	52	72	77.970	13.032,537	136.187,320	10,450	9,986
3	23	98.729	89.047,791	2.223.386,707	24,968	24,504	53	73	76.115	12.292,286	123.154,782	10,019	9,555
4	24	98.685	85.998,374	2.134.338,917	24,818	24,354	54	74	74.096	11.561,520	110.862,496	9,589	9,125
5	25	98.645	83.056,503	2.048.340,543	24,662	24,198	55	75	71.918	10.842,168	99.300,976	9,159	8,695
6	26	98.607	80.217,096	1.965.284,040	24,500	24,036	56	76	69.529	10.127,539	88.458,809	8,734	8,270
7	27	98.568	77.473,712	1.885.066,943	24,332	23,868	57	77	66.987	9.427,389	78.331,269	8,309	7,845
8	28	98.527	74.822,773	1.807.593,231	24,158	23,694	58	78	64.247	8.736,012	68.903,880	7,887	7,423
9	29	98.486	72.262,483	1.732.770,458	23,979	23,515	59	79	61.276	8.050,308	60.167,868	7,474	7,010
10	30	98.448	69.791,856	1.660.507,974	23,792	23,328	60	80	58.082	7.372,564	52.117,560	7,069	6,605
11	31	98.407	67.403,333	1.590.716,118	23,600	23,136	61	81	54.630	6.699,956	44.734,997	6,678	6,214
12	32	98.357	65.091,325	1.523.312,786	23,403	22,939	62	82	50.965	6.039,117	38.045,040	6,300	5,836
13	33	98.310	62.859,597	1.458.221,461	23,198	22,734	63	83	47.030	5.384,305	32.005,924	5,944	5,480
14	34	98.258	60.701,770	1.395.361,864	22,987	22,523	64	84	43.029	4.759,656	26.621,619	5,593	5,129
15	35	98.193	58.610,743	1.334.660,094	22,772	22,308	65	85	38.946	4.162,400	21.861,963	5,252	4,788
16	36	98.120	56.586,394	1.276.049,351	22,550	22,086	66	86	34.942	3.608,148	17.699,563	4,905	4,441
17	37	98.027	54.621,001	1.219.462,957	22,326	21,862	67	87	30.818	3.074,700	14.091,415	4,583	4,119
18	38	97.917	52.714,819	1.164.841,956	22,097	21,633	68	88	26.603	2.564,410	11.016,715	4,296	3,832
19	39	97.774	50.857,960	1.112.127,137	21,867	21,403	69	89	22.558	2.100,939	8.452,304	4,023	3,559
20	40	97.618	49.059,257	1.061.269,178	21,632	21,168	70	90	18.719	1.684,487	6.351,365	3,771	3,306
21	41	97.458	47.323,006	1.012.209,920	21,389	20,925	71	91	15.213	1.322,659	4.666,878	3,528	3,064
22	42	97.286	45.641,700	964.886,914	21,140	20,676	72	92	11.973	1.005,746	3.344,219	3,325	2,861
23	43	97.103	44.015,453	919.245,215	20,885	20,421	73	93	9.179	744,967	2.338,473	3,139	2,675
24	44	96.905	42.440,327	875.229,761	20,623	20,159	74	94	6.847	536,888	1.593,507	2,968	2,504
25	45	96.700	40.918,356	832.789,435	20,352	19,888	75	95	4.962	375,939	1.056,618	2,811	2,347
26	46	96.476	39.443,069	791.871,079	20,076	19,612	76	96	3.489	255,398	680,679	2,665	2,201
27	47	96.234	38.013,596	752.428,010	19,794	19,330	77	97	2.377	168,140	425,280	2,529	2,065
28	48	95.978	36.630,474	714.414,414	19,503	19,039	78	98	1.566	106,994	257,140	2,403	1,939
29	49	95.704	35.290,775	677.783,940	19,206	18,742	79	99	994	65,643	150,146	2,287	1,823
30	50	95.407	33.991,380	642.493,165	18,902	18,438	80	100	608	38,780	84,504	2,179	1,715
31	51	95.096	32.735,001	608.501,785	18,589	18,125	81	101	357	21,988	45,724	2,080	1,615
32	52	94.757	31.515,275	575.766,784	18,269	17,805	82	102	201	11,948	23,736	1,987	1,523
33	53	94.393	30.332,616	544.251,508	17,943	17,479	83	103	108	6,186	11,788	1,906	1,442
34	54	94.013	29.188,710	513.918,893	17,607	17,143	84	104	55	3,060	5,602	1,831	1,367
35	55	93.596	28.076,719	484.730,183	17,264	16,800	85	105	27	1,444	2,542	1,760	1,296
36	56	93.144	26.996,256	456.653,464	16,915	16,451	86	106					
37	57	92.666	25.949,297	429.657,207	16,558	16,094	87	107					
38	58	92.141	24.929,731	403.707,911	16,194	15,730	88	108					
39	59	91.570	23.937,674	378.778,179	15,824	15,359	89	109					
40	60	90.965	22.975,143	354.840,505	15,445	14,981	90	110					
41	61	90.308	22.038,002	331.865,363	15,059	14,595	91	111					
42	62	89.629	21.132,712	309.827,361	14,661	14,197	92	112					
43	63	88.869	20.244,841	288.694,649	14,260	13,796	93						
44	64	88.046	19.379,094	268.449,808	13,853	13,389	94						
45	65	87.167	18.536,974	249.070,714	13,436	12,972	95						
46	66	86.190	17.709,180	230.533,740	13,018	12,554	96						
47	67	85.119	16.897,807	212.824,560	12,595	12,131	97						
48	68	83.938	16.099,857	195.926,752	12,169	11,705	98						
49	69	82.639	15.314,723	179.826,895	11,742	11,278	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -21 Jahre

Zinsfuß 3,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	21	99.293	99.292,607	2.498.998,178	25,168	24,704	50	71	80.064	14.335,787	156.823,179	10,939	10,475
1	22	98.815	95.473,837	2.399.705,571	25,135	24,671	51	72	78.376	13.558,922	142.487,392	10,509	10,045
2	23	98.749	92.183,023	2.304.231,734	24,996	24,532	52	73	76.564	12.797,572	128.928,470	10,074	9,610
3	24	98.703	89.024,557	2.212.048,711	24,848	24,384	53	74	74.565	12.041,863	116.130,898	9,644	9,180
4	25	98.658	85.975,010	2.123.024,154	24,694	24,229	54	75	72.409	11.298,360	104.089,034	9,213	8,749
5	26	98.621	83.036,066	2.037.049,143	24,532	24,068	55	76	70.053	10.561,057	92.790,674	8,786	8,322
6	27	98.580	80.194,639	1.954.013,078	24,366	23,902	56	77	67.516	9.834,364	82.229,617	8,361	7,897
7	28	98.539	77.451,134	1.873.818,439	24,194	23,730	57	78	64.808	9.120,692	72.395,253	7,937	7,473
8	29	98.498	74.800,564	1.796.367,305	24,015	23,551	58	79	61.866	8.412,237	63.274,561	7,522	7,058
9	30	98.458	72.241,332	1.721.566,741	23,831	23,367	59	80	58.699	7.711,662	54.862,324	7,114	6,650
10	31	98.416	69.769,005	1.649.325,409	23,640	23,176	60	81	55.252	7.013,414	47.150,662	6,723	6,259
11	32	98.372	67.379,255	1.579.556,404	23,443	22,979	61	82	51.585	6.326,475	40.137,248	6,344	5,880
12	33	98.322	65.068,180	1.512.177,148	23,240	22,776	62	83	47.672	5.648,844	33.810,773	5,985	5,521
13	34	98.270	62.834,479	1.447.108,969	23,030	22,566	63	84	43.660	4.998,477	28.161,929	5,634	5,170
14	35	98.212	60.673,312	1.384.274,489	22,815	22,351	64	85	39.571	4.377,163	23.163,452	5,292	4,828
15	36	98.143	58.580,736	1.323.601,177	22,594	22,130	65	86	35.565	3.801,001	18.786,289	4,942	4,478
16	37	98.065	56.554,397	1.265.020,441	22,368	21,904	66	87	31.419	3.244,395	14.985,289	4,619	4,155
17	38	97.967	54.587,506	1.208.466,044	22,138	21,674	67	88	27.185	2.712,262	11.740,894	4,329	3,865
18	39	97.849	52.677,945	1.153.878,538	21,904	21,440	68	89	23.104	2.227,121	9.028,632	4,054	3,590
19	40	97.696	50.817,260	1.101.200,593	21,670	21,206	69	90	19.214	1.789,528	6.801,511	3,801	3,337
20	41	97.533	49.016,577	1.050.383,333	21,429	20,965	70	91	15.660	1.409,138	5.011,983	3,557	3,093
21	42	97.362	47.276,228	1.001.366,757	21,181	20,717	71	92	12.362	1.074,793	3.602,845	3,352	2,888
22	43	97.176	45.590,368	954.090,529	20,927	20,463	72	93	9.514	799,175	2.528,052	3,163	2,699
23	44	96.977	43.958,320	908.500,161	20,667	20,203	73	94	7.123	578,101	1.728,877	2,991	2,527
24	45	96.770	42.381,249	864.541,841	20,399	19,935	74	95	5.182	406,349	1.150,776	2,832	2,368
25	46	96.547	40.853,459	822.160,591	20,125	19,661	75	96	3.658	277,151	744,427	2,686	2,222
26	47	96.303	39.372,230	781.307,133	19,844	19,380	76	97	2.502	183,163	467,276	2,551	2,087
27	48	96.047	37.939,673	741.934,903	19,556	19,092	77	98	1.656	117,151	284,113	2,425	1,961
28	49	95.775	36.552,820	703.995,230	19,260	18,796	78	99	1.058	72,331	166,962	2,308	1,844
29	50	95.474	35.205,840	667.442,410	18,958	18,494	79	100	651	43,001	94,631	2,201	1,737
30	51	95.166	33.905,496	632.236,570	18,647	18,183	80	101	385	24,584	51,631	2,100	1,636
31	52	94.832	32.644,088	598.331,073	18,329	17,865	81	102	219	13,472	27,046	2,008	1,544
32	53	94.471	31.419,998	565.686,985	18,004	17,540	82	103	119	7,066	13,574	1,921	1,457
33	54	94.095	30.236,839	534.266,987	17,669	17,205	83	104	61	3,527	6,508	1,845	1,381
34	55	93.686	29.087,185	504.030,148	17,328	16,864	84	105	30	1,680	2,982	1,775	1,311
35	56	93.242	27.970,396	474.942,963	16,980	16,516	85	106					
36	57	92.770	26.887,874	446.972,567	16,624	16,160	86	107					
37	58	92.252	25.833,483	420.084,693	16,261	15,797	87	108					
38	59	91.697	24.809,679	394.251,210	15,891	15,427	88	109					
39	60	91.105	23.815,980	369.441,531	15,512	15,048	89	110					
40	61	90.464	22.848,682	345.625,551	15,127	14,663	90	111					
41	62	89.800	21.913,986	322.776,869	14,729	14,265	91	112					
42	63	89.065	20.999,726	300.862,883	14,327	13,863	92						
43	64	88.264	20.107,139	279.863,157	13,919	13,455	93						
44	65	87.402	19.237,379	259.756,019	13,503	13,039	94						
45	66	86.456	18.385,575	240.518,640	13,082	12,618	95						
46	67	85.409	17.548,796	222.133,065	12,658	12,194	96						
47	68	84.254	16.726,041	204.584,269	12,231	11,767	97						
48	69	82.978	15.915,714	187.858,228	11,803	11,339	98						
49	70	81.585	15.119,335	171.942,514	11,372	10,908	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -22 Jahre

Zinsfuß 3,50%

Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	22	99.268	99.268,313	2.487.076,273	25,054	24,590	50	72	78.766	14.103,371	148.949,149	10,561	10,097
1	23	98.789	95.447,988	2.387.807,959	25,017	24,553	51	73	76.963	13.314,467	134.845,777	10,128	9,664
2	24	98.723	92.158,971	2.292.359,971	24,874	24,410	52	74	75.004	12.536,856	121.531,310	9,694	9,230
3	25	98.676	89.000,371	2.200.200,999	24,721	24,257	53	75	72.867	11.767,770	108.994,455	9,262	8,798
4	26	98.634	85.953,855	2.111.200,628	24,562	24,098	54	76	70.532	11.005,421	97.226,685	8,834	8,370
5	27	98.593	83.012,819	2.025.246,773	24,397	23,933	55	77	68.025	10.255,332	86.221,263	8,407	7,943
6	28	98.551	80.171,268	1.942.233,954	24,226	23,762	56	78	65.319	9.514,427	75.965,932	7,984	7,520
7	29	98.510	77.428,145	1.862.062,687	24,049	23,585	57	79	62.406	8.782,660	66.451,504	7,566	7,102
8	30	98.469	74.778,670	1.784.634,542	23,866	23,402	58	80	59.264	8.058,367	57.668,844	7,156	6,692
9	31	98.425	72.217,679	1.709.855,872	23,676	23,212	59	81	55.839	7.335,993	49.610,477	6,763	6,299
10	32	98.381	69.744,083	1.637.638,194	23,481	23,017	60	82	52.172	6.622,459	42.274,484	6,384	5,919
11	33	98.337	67.355,297	1.567.894,111	23,278	22,814	61	83	48.251	5.917,632	35.652,025	6,025	5,561
12	34	98.283	65.042,180	1.500.538,814	23,070	22,606	62	84	44.256	5.244,060	29.734,393	5,670	5,206
13	35	98.224	62.805,021	1.435.496,634	22,856	22,392	63	85	40.151	4.596,791	24.490,333	5,328	4,864
14	36	98.161	60.642,250	1.372.691,612	22,636	22,172	64	86	36.135	3.997,117	19.893,542	4,977	4,513
15	37	98.088	58.547,611	1.312.049,362	22,410	21,946	65	87	31.979	3.417,805	15.896,425	4,651	4,187
16	38	98.004	56.519,717	1.253.501,751	22,178	21,714	66	88	27.716	2.861,953	12.478,619	4,360	3,896
17	39	97.898	54.549,321	1.196.982,034	21,943	21,479	67	89	23.610	2.355,526	9.616,666	4,083	3,619
18	40	97.770	52.635,788	1.142.432,713	21,704	21,240	68	90	19.679	1.897,007	7.261,140	3,828	3,364
19	41	97.611	50.773,050	1.089.796,924	21,464	21,000	69	91	16.073	1.497,008	5.364,134	3,583	3,119
20	42	97.436	48.968,124	1.039.023,875	21,218	20,754	70	92	12.725	1.145,065	3.867,126	3,377	2,913
21	43	97.253	47.223,058	990.055,750	20,966	20,501	71	93	9.823	854,041	2.722,060	3,187	2,723
22	44	97.050	45.531,190	942.832,693	20,707	20,243	72	94	7.383	620,168	1.868,019	3,012	2,548
23	45	96.842	43.897,130	897.301,502	20,441	19,977	73	95	5.391	437,541	1.247,852	2,852	2,388
24	46	96.617	42.314,032	853.404,372	20,168	19,704	74	96	3.820	299,570	810,310	2,705	2,241
25	47	96.373	40.780,087	811.090,340	19,889	19,425	75	97	2.623	198,763	510,740	2,570	2,106
26	48	96.116	39.295,665	770.310,253	19,603	19,139	76	98	1.743	127,618	311,977	2,445	1,981
27	49	95.843	37.859,243	731.014,588	19,309	18,845	77	99	1.120	79,197	184,360	2,328	1,864
28	50	95.544	36.464,847	693.155,345	19,009	18,545	78	100	693	47,382	105,162	2,219	1,755
29	51	95.233	35.116,888	656.690,497	18,700	18,236	79	101	413	27,260	57,780	2,120	1,656
30	52	94.901	33.811,333	621.573,609	18,384	17,920	80	102	236	15,063	30,520	2,026	1,562
31	53	94.545	32.545,398	587.762,277	18,060	17,596	81	103	129	7,967	15,457	1,940	1,476
32	54	94.172	31.320,788	555.216,878	17,727	17,263	82	104	68	4,028	7,490	1,859	1,395
33	55	93.768	30.131,668	523.896,090	17,387	16,923	83	105	34	1,936	3,462	1,788	1,324
34	56	93.331	28.977,036	493.764,422	17,040	16,576	84	106					
35	57	92.868	27.858,103	464.787,386	16,684	16,220	85	107					
36	58	92.356	26.767,871	436.929,283	16,323	15,859	86	108					
37	59	91.808	25.709,078	410.161,412	15,954	15,490	87	109					
38	60	91.231	24.683,552	384.452,334	15,575	15,111	88	110					
39	61	90.604	23.684,891	359.768,782	15,190	14,726	89	111					
40	62	89.955	22.720,104	336.083,891	14,792	14,328	90	112					
41	63	89.235	21.776,084	313.363,787	14,390	13,926	91						
42	64	88.459	20.856,889	291.587,703	13,980	13,516	92						
43	65	87.619	19.960,099	270.730,814	13,564	13,100	93						
44	66	86.688	19.080,260	250.770,715	13,143	12,679	94						
45	67	85.673	18.219,065	231.690,456	12,717	12,253	95						
46	68	84.541	17.370,412	213.471,391	12,289	11,825	96						
47	69	83.290	16.534,736	196.100,978	11,860	11,396	97						
48	70	81.919	15.712,658	179.566,242	11,428	10,964	98						
49	71	80.425	14.904,436	163.853,584	10,994	10,530	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -23 Jahre

Zinsfuß 3,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	23	99.241	99.241,437	2.474.630,123	24,935	24,471	50	73	77.346	13.849,100	140.915,864	10,175	9,711
1	24	98.763	95.423,085	2.375.388,686	24,893	24,429	51	74	75.395	13.043,220	127.066,764	9,742	9,278
2	25	98.696	92.133,934	2.279.965,600	24,746	24,282	52	75	73.297	12.251,495	114.023,545	9,307	8,843
3	26	98.652	88.978,471	2.187.831,666	24,588	24,124	53	76	70.978	11.462,661	101.772,049	8,879	8,415
4	27	98.606	85.929,791	2.098.853,195	24,425	23,961	54	77	68.490	10.686,833	90.309,389	8,451	7,987
5	28	98.564	82.988,626	2.012.923,404	24,255	23,791	55	78	65.812	9.921,700	79.622,556	8,025	7,561
6	29	98.522	80.147,471	1.929.934,777	24,080	23,616	56	79	62.899	9.161,802	69.700,856	7,608	7,144
7	30	98.481	77.405,481	1.849.787,306	23,897	23,433	57	80	59.781	8.413,208	60.539,053	7,196	6,732
8	31	98.437	74.754,186	1.772.381,825	23,709	23,245	58	81	56.377	7.665,809	52.125,846	6,800	6,336
9	32	98.390	72.191,882	1.697.627,640	23,515	23,051	59	82	52.727	6.927,057	44.460,037	6,418	5,954
10	33	98.346	69.719,284	1.625.435,758	23,314	22,850	60	83	48.801	6.194,488	37.532,981	6,059	5,595
11	34	98.297	67.328,383	1.555.716,474	23,106	22,642	61	84	44.794	5.493,586	31.338,492	5,705	5,241
12	35	98.237	65.011,687	1.488.388,091	22,894	22,430	62	85	40.699	4.822,639	25.844,906	5,359	4,895
13	36	98.174	62.772,868	1.423.376,404	22,675	22,211	63	86	36.665	4.197,677	21.022,267	5,008	4,544
14	37	98.106	60.607,959	1.360.603,536	22,449	21,985	64	87	32.492	3.594,150	16.824,590	4,681	4,217
15	38	98.028	58.511,709	1.299.995,576	22,218	21,754	65	88	28.210	3.014,922	13.230,440	4,388	3,924
16	39	97.936	56.480,180	1.241.483,867	21,981	21,517	66	89	24.070	2.485,529	10.215,517	4,110	3,646
17	40	97.820	54.505,668	1.185.003,687	21,741	21,277	67	90	20.110	2.006,379	7.729,988	3,853	3,389
18	41	97.685	52.589,996	1.130.498,019	21,496	21,032	68	91	16.463	1.586,918	5.723,610	3,607	3,143
19	42	97.515	50.722,861	1.077.908,023	21,251	20,787	69	92	13.061	1.216,469	4.136,692	3,401	2,937
20	43	97.327	48.913,051	1.027.185,162	21,000	20,536	70	93	10.111	909,880	2.920,223	3,209	2,745
21	44	97.126	47.161,761	978.272,110	20,743	20,279	71	94	7.623	662,744	2.010,342	3,033	2,569
22	45	96.915	45.467,811	931.110,349	20,478	20,014	72	95	5.588	469,380	1.347,599	2,871	2,407
23	46	96.689	43.827,509	885.642,539	20,207	19,743	73	96	3.974	322,566	878,219	2,723	2,259
24	47	96.443	42.238,037	841.815,030	19,930	19,466	74	97	2.740	214,841	555,653	2,586	2,122
25	48	96.186	40.700,784	799.576,993	19,645	19,181	75	98	1.828	138,487	340,812	2,461	1,997
26	49	95.912	39.212,360	758.876,209	19,353	18,889	76	99	1.179	86,273	202,325	2,345	1,881
27	50	95.613	37.768,127	719.663,848	19,055	18,591	77	100	734	51,880	116,052	2,237	1,773
28	51	95.303	36.372,714	681.895,722	18,747	18,283	78	101	440	30,038	64,172	2,136	1,672
29	52	94.968	35.019,360	645.523,007	18,433	17,969	79	102	253	16,702	34,134	2,044	1,580
30	53	94.615	33.709,114	610.503,647	18,111	17,647	80	103	140	8,908	17,432	1,957	1,493
31	54	94.247	32.442,635	576.794,534	17,779	17,315	81	104	74	4,542	8,523	1,877	1,412
32	55	93.845	31.211,847	544.351,899	17,441	16,977	82	105	37	2,211	3,981	1,801	1,337
33	56	93.413	30.017,564	513.140,052	17,095	16,631	83	106					
34	57	92.956	28.860,701	483.122,488	16,740	16,276	84	107					
35	58	92.453	27.733,770	454.261,787	16,379	15,915	85	108					
36	59	91.912	26.638,967	426.528,017	16,011	15,547	86	109					
37	60	91.341	25.578,379	399.889,050	15,634	15,170	87	110					
38	61	90.729	24.547,688	374.310,671	15,248	14,784	88	111					
39	62	90.094	23.551,607	349.762,984	14,851	14,387	89	112					
40	63	89.389	22.577,129	326.211,376	14,449	13,985	90						
41	64	88.628	21.627,967	303.634,247	14,039	13,575	91						
42	65	87.813	20.704,367	282.006,281	13,621	13,157	92						
43	66	86.903	19.797,077	261.301,914	13,199	12,735	93						
44	67	85.903	18.907,458	241.504,837	12,773	12,309	94						
45	68	84.802	18.033,868	222.597,379	12,343	11,879	95						
46	69	83.574	17.171,737	204.563,511	11,913	11,449	96						
47	70	82.228	16.323,783	187.391,774	11,480	11,016	97						
48	71	80.755	15.489,326	171.067,991	11,044	10,580	98						
49	72	79.121	14.662,801	155.578,665	10,610	10,146	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -24 Jahre

Zinsfuß 3,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	24	99.216	99.215,545	2.461.649,002	24,811	24,347	50	74	75.770	13.566,961	132.746,079	9,785	9,320
1	25	98.736	95.397,161	2.362.433,457	24,764	24,300	51	75	73.679	12.746,334	119.179,118	9,350	8,886
2	26	98.672	92.111,263	2.267.036,296	24,612	24,148	52	76	71.397	11.933,844	106.432,784	8,919	8,455
3	27	98.624	88.953,561	2.174.925,033	24,450	23,986	53	77	68.923	11.130,836	94.498,940	8,490	8,026
4	28	98.578	85.904,748	2.085.971,472	24,282	23,818	54	78	66.262	10.339,163	83.368,104	8,063	7,599
5	29	98.535	82.963,994	2.000.066,724	24,108	23,644	55	79	63.373	9.553,981	73.028,941	7,644	7,180
6	30	98.493	80.124,011	1.917.102,730	23,927	23,463	56	80	60.253	8.776,401	63.474,960	7,232	6,768
7	31	98.449	77.380,137	1.836.978,719	23,740	23,276	57	81	56.869	8.003,363	54.698,559	6,834	6,370
8	32	98.402	74.727,483	1.759.598,582	23,547	23,083	58	82	53.234	7.238,487	46.695,196	6,451	5,987
9	33	98.355	72.166,212	1.684.871,099	23,347	22,883	59	83	49.319	6.479,402	39.456,709	6,090	5,626
10	34	98.307	69.691,426	1.612.704,887	23,141	22,677	60	84	45.304	5.750,604	32.977,308	5,735	5,271
11	35	98.251	67.296,819	1.543.013,462	22,928	22,464	61	85	41.194	5.052,113	27.226,703	5,389	4,925
12	36	98.187	64.978,404	1.475.716,643	22,711	22,247	62	86	37.166	4.403,915	22.174,590	5,035	4,571
13	37	98.118	62.737,372	1.410.738,239	22,486	22,022	63	87	32.969	3.774,490	17.770,675	4,708	4,244
14	38	98.046	60.570,793	1.348.000,867	22,255	21,791	64	88	28.662	3.170,480	13.996,184	4,415	3,951
15	39	97.959	58.470,779	1.287.430,073	22,018	21,554	65	89	24.499	2.618,378	10.825,704	4,135	3,670
16	40	97.857	56.434,981	1.228.959,294	21,777	21,313	66	90	20.503	2.117,112	8.207,326	3,877	3,413
17	41	97.735	54.458,249	1.172.524,312	21,531	21,067	67	91	16.823	1.678,412	6.090,214	3,629	3,165
18	42	97.589	52.538,012	1.118.066,064	21,281	20,817	68	92	13.378	1.289,530	4.411,802	3,421	2,957
19	43	97.405	50.665,815	1.065.528,052	21,031	20,566	69	93	10.379	966,619	3.122,272	3,230	2,766
20	44	97.200	48.849,561	1.014.862,237	20,775	20,311	70	94	7.846	706,076	2.155,653	3,053	2,589
21	45	96.991	47.096,112	966.012,676	20,512	20,047	71	95	5.769	501,604	1.449,578	2,890	2,426
22	46	96.761	45.395,698	918.916,565	20,242	19,778	72	96	4.119	346,038	947,974	2,740	2,275
23	47	96.515	43.748,795	873.520,866	19,967	19,503	73	97	2.850	231,333	601,936	2,602	2,138
24	48	96.256	42.155,899	829.772,071	19,683	19,219	74	98	1.909	149,689	370,604	2,476	2,012
25	49	95.982	40.614,501	787.616,172	19,392	18,928	75	99	1.236	93,621	220,914	2,360	1,896
26	50	95.681	39.117,987	747.001,671	19,096	18,632	76	100	772	56,515	127,293	2,252	1,788
27	51	95.371	37.672,701	707.883,684	18,790	18,326	77	101	465	32,889	70,778	2,152	1,688
28	52	95.038	36.271,698	670.210,983	18,478	18,013	78	102	269	18,404	37,889	2,059	1,595
29	53	94.681	34.913,489	633.939,284	18,157	17,693	79	103	150	9,878	19,484	1,973	1,509
30	54	94.316	33.602,676	599.025,795	17,827	17,363	80	104	80	5,079	9,607	1,892	1,428
31	55	93.919	32.329,792	565.423,119	17,489	17,025	81	105	40	2,493	4,528	1,816	1,352
32	56	93.490	31.093,652	533.093,328	17,145	16,681	82	106					
33	57	93.038	29.897,052	501.999,676	16,791	16,327	83	107					
34	58	92.541	28.731,893	472.102,624	16,431	15,967	84	108					
35	59	92.008	27.600,214	443.370,731	16,064	15,600	85	109					
36	60	91.444	26.503,540	415.770,516	15,687	15,223	86	110					
37	61	90.838	25.437,589	389.266,976	15,303	14,839	87	111					
38	62	90.218	24.409,549	363.829,387	14,905	14,441	88	112					
39	63	89.527	23.403,400	339.419,838	14,503	14,039	89						
40	64	88.781	22.423,563	316.016,439	14,093	13,629	90						
41	65	87.980	21.469,805	293.592,876	13,675	13,211	91						
42	66	87.095	20.535,266	272.123,070	13,251	12,787	92						
43	67	86.116	19.617,783	251.587,804	12,824	12,360	93						
44	68	85.030	18.715,264	231.970,021	12,395	11,931	94						
45	69	83.832	17.827,604	213.254,757	11,962	11,498	95						
46	70	82.508	16.952,657	195.427,153	11,528	11,064	96						
47	71	81.059	16.091,764	178.474,496	11,091	10,627	97						
48	72	79.446	15.238,209	162.382,731	10,656	10,192	98						
49	73	77.695	14.398,444	147.144,523	10,219	9,755	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -25 Jahre

Zinsfuß 3,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	25	99.189	99.188,590	2.448.118,060	24,681	24,217	50	75	74.046	13.258,154	124.469,604	9,388	8,924
1	26	98.712	95.373,687	2.348.929,470	24,629	24,165	51	76	71.769	12.415,853	111.211,450	8,957	8,493
2	27	98.644	92.085,475	2.253.555,783	24,472	24,008	52	77	69.330	11.588,379	98.795,597	8,525	8,061
3	28	98.596	88.927,637	2.161.470,307	24,306	23,842	53	78	66.681	10.768,722	87.207,218	8,098	7,634
4	29	98.548	85.879,250	2.072.542,670	24,133	23,669	54	79	63.806	9.955,972	76.438,496	7,678	7,214
5	30	98.506	82.939,709	1.986.663,420	23,953	23,489	55	80	60.707	9.152,082	66.482,524	7,264	6,800
6	31	98.461	80.097,777	1.903.723,711	23,767	23,303	56	81	57.317	8.348,864	57.330,442	6,867	6,403
7	32	98.414	77.352,496	1.823.625,934	23,576	23,112	57	82	53.699	7.557,225	48.981,578	6,481	6,017
8	33	98.367	74.700,912	1.746.273,437	23,377	22,913	58	83	49.794	6.770,706	41.424,353	6,118	5,654
9	34	98.316	72.137,376	1.671.572,526	23,172	22,708	59	84	45.785	6.015,101	34.653,648	5,761	5,297
10	35	98.261	69.658,753	1.599.435,150	22,961	22,497	60	85	41.663	5.288,477	28.638,546	5,415	4,951
11	36	98.201	67.262,366	1.529.776,397	22,743	22,279	61	86	37.617	4.613,466	23.350,069	5,061	4,597
12	37	98.131	64.941,661	1.462.514,031	22,520	22,056	62	87	33.419	3.959,937	18.736,604	4,732	4,268
13	38	98.058	62.698,901	1.397.572,370	22,290	21,826	63	88	29.082	3.329,562	14.776,667	4,438	3,974
14	39	97.977	60.528,423	1.334.873,469	22,054	21,590	64	89	24.892	2.753,476	11.447,105	4,157	3,693
15	40	97.881	58.423,987	1.274.345,046	21,812	21,348	65	90	20.868	2.230,270	8.693,628	3,898	3,434
16	41	97.772	56.385,884	1.215.921,059	21,564	21,100	66	91	17.151	1.771,045	6.463,358	3,649	3,185
17	42	97.638	54.404,417	1.159.535,175	21,313	20,849	67	92	13.670	1.363,878	4.692,314	3,440	2,976
18	43	97.479	52.478,924	1.105.130,757	21,059	20,595	68	93	10.630	1.024,673	3.328,436	3,248	2,784
19	44	97.279	50.600,049	1.052.651,833	20,803	20,339	69	94	8.054	750,105	2.303,763	3,071	2,607
20	45	97.065	48.781,562	1.002.051,784	20,542	20,078	70	95	5.939	534,400	1.553,658	2,907	2,443
21	46	96.837	47.021,417	953.270,222	20,273	19,809	71	96	4.253	369,794	1.019,258	2,756	2,292
22	47	96.588	45.314,168	906.248,805	19,999	19,535	72	97	2.954	248,166	649,464	2,617	2,153
23	48	96.327	43.663,720	860.934,637	19,717	19,253	73	98	1.986	161,180	401,298	2,490	2,026
24	49	96.052	42.066,531	817.270,917	19,428	18,964	74	99	1.290	101,194	240,118	2,373	1,909
25	50	95.751	40.516,753	775.204,386	19,133	18,669	75	100	809	61,329	138,924	2,265	1,801
26	51	95.439	39.019,151	734.687,633	18,829	18,365	76	101	489	35,828	77,595	2,166	1,702
27	52	95.106	37.568,075	695.668,482	18,518	18,054	77	102	285	20,151	41,767	2,073	1,609
28	53	94.751	36.162,042	658.100,408	18,199	17,735	78	103	159	10,884	21,616	1,986	1,522
29	54	94.382	34.803,248	621.938,366	17,870	17,406	79	104	85	5,631	10,732	1,906	1,442
30	55	93.988	33.485,798	587.135,118	17,534	17,070	80	105	44	2,787	5,100	1,830	1,366
31	56	93.563	32.207,363	553.649,320	17,190	16,726	81	106					
32	57	93.114	30.968,820	521.441,956	16,838	16,374	82	107					
33	58	92.623	29.763,618	490.473,137	16,479	16,015	83	108					
34	59	92.096	28.593,531	460.709,518	16,112	15,648	84	109					
35	60	91.540	27.459,901	432.115,987	15,736	15,272	85	110					
36	61	90.941	26.357,658	404.656,086	15,353	14,888	86	111					
37	62	90.327	25.294,443	378.298,428	14,956	14,492	87	112					
38	63	89.650	24.255,942	353.003,986	14,553	14,089	88						
39	64	88.918	23.244,214	328.748,043	14,143	13,679	89						
40	65	88.131	22.259,584	305.503,830	13,725	13,261	90						
41	66	87.261	21.294,453	283.244,246	13,301	12,837	91						
42	67	86.307	20.349,287	261.949,793	12,873	12,409	92						
43	68	85.241	19.418,369	241.600,506	12,442	11,978	93						
44	69	84.057	18.501,206	222.182,137	12,009	11,545	94						
45	70	82.762	17.600,157	203.680,931	11,573	11,109	95						
46	71	81.335	16.711,700	186.080,774	11,135	10,671	96						
47	72	79.745	15.830,880	169.369,074	10,699	10,235	97						
48	73	78.013	14.963,477	153.538,194	10,261	9,797	98						
49	74	76.112	14.105,113	138.574,717	9,824	9,360	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 1 Jahr

Zinsfuß 3,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	49	91.859	16.447,663	269.242,942	16,370	15,906
1	0	99.544	96.177,555	2.552.397,520	26,538	26,074	51	50	91.184	15.774,657	252.795,279	16,025	15,561
2	1	99.126	92.534,945	2.456.219,965	26,544	26,080	52	51	90.482	15.123,944	237.020,622	15,672	15,208
3	2	99.070	89.355,730	2.363.685,020	26,453	25,989	53	52	89.702	14.486,461	221.896,678	15,318	14,853
4	3	99.033	86.301,223	2.274.329,289	26,353	25,889	54	53	88.868	13.866,555	207.410,217	14,958	14,494
5	4	99.002	83.357,332	2.188.028,066	26,249	25,785	55	54	87.986	13.264,651	193.543,662	14,591	14,127
6	5	98.976	80.517,056	2.104.670,734	26,139	25,675	56	55	87.024	12.675,911	180.279,011	14,222	13,758
7	6	98.952	77.775,021	2.024.153,679	26,026	25,562	57	56	86.015	12.105,329	167.603,100	13,845	13,381
8	7	98.930	75.128,746	1.946.378,657	25,907	25,443	58	57	84.929	11.548,217	155.497,771	13,465	13,001
9	8	98.910	72.573,208	1.871.249,911	25,784	25,320	59	58	83.744	11.002,041	143.949,554	13,084	12,620
10	9	98.891	70.105,750	1.798.676,703	25,657	25,193	60	59	82.465	10.467,606	132.947,512	12,701	12,237
11	10	98.875	67.724,283	1.728.570,953	25,524	25,060	61	60	81.122	9.948,930	122.479,906	12,311	11,847
12	11	98.853	65.419,135	1.660.846,670	25,388	24,924	62	61	79.706	9.444,761	112.530,977	11,915	11,451
13	12	98.831	63.192,713	1.595.427,535	25,247	24,783	63	62	78.190	8.951,796	103.086,216	11,516	11,052
14	13	98.809	61.042,660	1.532.234,823	25,101	24,637	64	63	76.575	8.470,450	94.134,421	11,113	10,649
15	14	98.782	58.961,821	1.471.192,163	24,952	24,488	65	64	74.854	8.000,063	85.663,971	10,708	10,244
16	15	98.747	56.947,868	1.412.230,342	24,799	24,335	66	65	73.005	7.538,627	77.663,908	10,302	9,838
17	16	98.691	54.991,194	1.355.282,474	24,645	24,181	67	66	71.024	7.085,977	70.125,281	9,896	9,432
18	17	98.620	53.093,412	1.300.291,280	24,491	24,027	68	67	68.873	6.639,028	63.039,304	9,495	9,031
19	18	98.524	51.247,795	1.247.197,869	24,337	23,873	69	68	66.561	6.199,220	56.400,276	9,098	8,634
20	19	98.416	49.460,669	1.195.950,074	24,180	23,716	70	69	64.105	5.768,599	50.201,056	8,702	8,238
21	20	98.314	47.738,518	1.146.489,405	24,016	23,552	71	70	61.483	5.345,499	44.432,457	8,312	7,848
22	21	98.206	46.073,449	1.098.750,887	23,848	23,384	72	71	58.700	4.930,995	39.086,958	7,927	7,463
23	22	98.108	44.470,963	1.052.677,438	23,671	23,207	73	72	55.716	4.522,001	34.155,963	7,553	7,089
24	23	98.009	42.923,642	1.008.206,475	23,488	23,024	74	73	52.589	4.123,915	29.633,962	7,186	6,722
25	24	97.912	41.431,214	965.282,833	23,298	22,834	75	74	49.330	3.737,569	25.510,047	6,825	6,361
26	25	97.814	39.990,011	923.851,619	23,102	22,638	76	75	45.979	3.365,817	21.772,479	6,469	6,005
27	26	97.720	38.600,558	883.861,608	22,898	22,434	77	76	42.552	3.009,658	18.406,662	6,116	5,652
28	27	97.623	37.258,120	845.261,049	22,687	22,223	78	77	39.059	2.669,145	15.397,004	5,769	5,304
29	28	97.522	35.961,241	808.002,929	22,469	22,005	79	78	35.494	2.343,534	12.727,859	5,431	4,967
30	29	97.425	34.710,416	772.041,688	22,242	21,778	80	79	31.903	2.035,167	10.384,325	5,102	4,638
31	30	97.325	33.502,324	737.331,272	22,008	21,544	81	80	28.289	1.743,640	8.349,158	4,788	4,324
32	31	97.217	32.333,244	703.828,947	21,768	21,304	82	81	24.702	1.471,026	6.605,519	4,490	4,026
33	32	97.102	31.203,106	671.495,703	21,520	21,056	83	82	21.136	1.216,084	5.134,492	4,222	3,758
34	33	96.983	30.110,772	640.292,597	21,265	20,801	84	83	17.755	987,044	3.918,408	3,970	3,506
35	34	96.851	29.053,134	610.181,825	21,002	20,538	85	84	14.665	787,707	2.931,365	3,721	3,257
36	35	96.705	28.028,139	581.128,691	20,734	20,270	86	85	11.920	618,576	2.143,658	3,465	3,001
37	36	96.546	27.035,910	553.100,552	20,458	19,994	87	86	9.443	473,471	1.525,082	3,221	2,757
38	37	96.375	26.075,340	526.064,643	20,175	19,711	88	87	7.216	349,569	1.051,611	3,008	2,544
39	38	96.183	25.143,422	499.989,303	19,885	19,421	89	88	5.312	248,626	702,042	2,824	2,360
40	39	95.968	24.238,751	474.845,881	19,590	19,126	90	89	3.784	171,114	453,416	2,650	2,186
41	40	95.726	23.360,042	450.607,129	19,290	18,826	91	90	2.598	113,500	282,302	2,487	2,023
42	41	95.461	22.507,615	427.247,087	18,982	18,518	92	91	1.711	72,224	168,802	2,337	1,873
43	42	95.156	21.677,076	404.739,472	18,671	18,207	93	92	1.071	43,667	96,578	2,212	1,748
44	43	94.814	20.868,691	383.062,396	18,356	17,892	94	93	640	25,222	52,911	2,098	1,634
45	44	94.436	20.082,790	362.193,705	18,035	17,571	95	94	365	13,883	27,688	1,994	1,530
46	45	94.015	19.317,029	342.110,915	17,710	17,246	96	95	197	7,263	13,806	1,901	1,437
47	46	93.547	18.570,946	322.793,886	17,382	16,918	97	96	101	3,603	6,542	1,816	1,352
48	47	93.029	17.843,588	304.222,940	17,049	16,585	98	97	49	1,691	2,939	1,739	1,275
49	48	92.469	17.136,410	286.379,352	16,712	16,248	99	98	23	0,748	1,249	1,669	1,205
							100	99	10	0,312	0,500	1,605	1,141

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 2 Jahre

Zinsfuß 3,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	48	92.054	16.482,605	271.655,375	16,481	16,017
1							51	49	91.404	15.812,714	255.172,770	16,137	15,673
2	0	99.504	92.887,633	2.459.640,936	26,480	26,016	52	50	90.711	15.162,253	239.360,056	15,787	15,323
3	1	99.106	89.387,744	2.366.753,302	26,477	26,013	53	51	89.952	14.526,806	224.197,803	15,433	14,969
4	2	99.052	86.318,289	2.277.365,559	26,383	25,919	54	52	89.138	13.908,604	209.670,998	15,075	14,611
5	3	99.019	83.371,642	2.191.047,269	26,280	25,816	55	53	88.265	13.306,667	195.762,393	14,712	14,248
6	4	98.989	80.527,456	2.107.675,627	26,173	25,709	56	54	87.328	12.720,154	182.455,726	14,344	13,880
7	5	98.964	77.785,190	2.027.148,171	26,061	25,597	57	55	86.342	12.151,344	169.735,572	13,968	13,504
8	6	98.939	75.135,669	1.949.362,981	25,945	25,481	58	56	85.271	11.594,767	157.584,227	13,591	13,127
9	7	98.918	72.579,529	1.874.227,312	25,823	25,359	59	57	84.119	11.051,365	145.989,460	13,210	12,746
10	8	98.901	70.112,480	1.801.647,782	25,697	25,233	60	58	82.864	10.518,258	134.938,096	12,829	12,365
11	9	98.882	67.728,659	1.731.535,302	25,566	25,102	61	59	81.536	9.999,766	124.419,838	12,442	11,978
12	10	98.861	65.424,636	1.663.806,643	25,431	24,967	62	60	80.147	9.497,035	114.420,072	12,048	11,584
13	11	98.840	63.198,639	1.598.382,006	25,291	24,827	63	61	78.633	9.002,456	104.923,037	11,655	11,191
14	12	98.818	61.047,844	1.535.183,367	25,147	24,683	64	62	77.060	8.524,091	95.920,581	11,253	10,789
15	13	98.791	58.967,534	1.474.135,523	24,999	24,535	65	63	75.367	8.054,851	87.396,490	10,850	10,386
16	14	98.758	56.954,505	1.415.167,989	24,847	24,383	66	64	73.543	7.594,162	79.341,639	10,448	9,984
17	15	98.709	55.001,021	1.358.213,484	24,694	24,230	67	65	71.609	7.144,327	71.747,477	10,043	9,579
18	16	98.641	53.104,658	1.303.212,463	24,540	24,076	68	66	69.502	6.699,705	64.603,151	9,643	9,179
19	17	98.546	51.259,073	1.250.107,805	24,388	23,924	69	67	67.245	6.262,882	57.903,446	9,245	8,781
20	18	98.445	49.474,898	1.198.848,733	24,231	23,767	70	68	64.847	5.835,341	51.640,564	8,850	8,386
21	19	98.341	47.751,755	1.149.373,835	24,070	23,606	71	69	62.277	5.414,579	45.805,223	8,460	7,996
22	20	98.237	46.088,006	1.101.622,080	23,903	23,439	72	70	59.547	5.002,092	40.390,643	8,075	7,611
23	21	98.132	44.481,847	1.055.534,074	23,730	23,266	73	71	56.634	4.596,521	35.388,551	7,699	7,235
24	22	98.035	42.935,267	1.011.052,227	23,548	23,084	74	72	53.555	4.199,630	30.792,030	7,332	6,868
25	23	97.938	41.442,027	968.116,961	23,361	22,897	75	73	50.356	3.815,295	26.592,400	6,970	6,506
26	24	97.840	40.000,878	926.674,934	23,166	22,702	76	74	47.050	3.444,213	22.777,105	6,613	6,149
27	25	97.744	38.610,059	886.674,056	22,965	22,501	77	75	43.685	3.089,768	19.332,892	6,257	5,793
28	26	97.650	37.268,554	848.063,997	22,755	22,291	78	76	40.223	2.748,716	16.243,124	5,909	5,445
29	27	97.551	35.971,724	810.795,443	22,540	22,076	79	77	36.688	2.422,338	13.494,408	5,571	5,107
30	28	97.454	34.720,722	774.823,719	22,316	21,852	80	78	33.131	2.113,498	11.072,070	5,239	4,775
31	29	97.354	33.512,134	740.102,996	22,085	21,621	81	79	29.532	1.820,209	8.958,572	4,922	4,458
32	30	97.248	32.343,834	706.590,863	21,846	21,382	82	80	25.967	1.546,356	7.138,363	4,616	4,152
33	31	97.137	31.214,256	674.247,029	21,601	21,137	83	81	22.383	1.287,875	5.592,007	4,342	3,878
34	32	97.017	30.121,483	643.032,772	21,348	20,884	84	82	18.982	1.055,237	4.304,132	4,079	3,615
35	33	96.890	29.064,748	612.911,290	21,088	20,624	85	83	15.797	848,509	3.248,894	3,829	3,365
36	34	96.750	28.041,285	583.846,542	20,821	20,357	86	84	12.961	672,629	2.400,385	3,569	3,105
37	35	96.595	27.049,758	555.805,257	20,548	20,083	87	85	10.341	518,489	1.727,756	3,332	2,868
38	36	96.429	26.090,093	528.755,499	20,267	19,802	88	86	8.025	388,762	1.209,267	3,111	2,647
39	37	96.242	25.158,850	502.665,406	19,980	19,516	89	87	6.022	281,850	820,506	2,911	2,447
40	38	96.035	24.255,719	477.506,557	19,686	19,222	90	88	4.357	197,028	538,655	2,734	2,270
41	39	95.802	23.378,751	453.250,838	19,387	18,923	91	89	3.050	133,252	341,627	2,564	2,100
42	40	95.544	22.527,213	429.872,087	19,082	18,618	92	90	2.045	86,337	208,376	2,414	1,949
43	41	95.250	21.698,525	407.344,873	18,773	18,309	93	91	1.317	53,738	122,039	2,271	1,807
44	42	94.920	20.892,188	385.646,348	18,459	17,995	94	92	805	31,742	68,301	2,152	1,688
45	43	94.559	20.108,892	364.754,161	18,139	17,675	95	93	470	17,890	36,559	2,044	1,580
46	44	94.146	19.343,956	344.645,269	17,817	17,353	96	94	261	9,597	18,670	1,945	1,481
47	45	93.696	18.600,446	325.301,313	17,489	17,025	97	95	137	4,887	9,073	1,856	1,392
48	46	93.197	17.875,692	306.700,867	17,157	16,693	98	96	69	2,357	4,185	1,776	1,312
49	47	92.649	17.169,799	288.825,174	16,822	16,358	99	97	32	1,074	1,828	1,702	1,238
							100	98	14	0,461	0,754	1,636	1,172

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 3 Jahre

Zinsfuß 3,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	47	92.234	16.514,720	273.888,402	16,585	16,120
1							51	48	91.598	15.846,307	257.373,682	16,242	15,778
2							52	49	90.930	15.198,832	241.527,375	15,891	15,427
3	0	99.484	89.728,437	2.369.927,565	26,412	25,948	53	50	90.179	14.563,603	226.328,543	15,541	15,077
4	1	99.088	86.349,215	2.280.199,128	26,407	25,943	54	51	89.386	13.947,339	211.764,940	15,183	14,719
5	2	99.039	83.388,129	2.193.849,913	26,309	25,845	55	52	88.533	13.347,018	197.817,601	14,821	14,357
6	3	99.006	80.541,281	2.110.461,784	26,203	25,739	56	53	87.604	12.760,446	184.470,582	14,456	13,992
7	4	98.977	77.795,237	2.029.920,503	26,093	25,629	57	54	86.644	12.193,757	171.710,136	14,082	13,618
8	5	98.952	75.145,493	1.952.125,266	25,978	25,514	58	55	85.595	11.638,842	159.516,379	13,706	13,241
9	6	98.928	72.586,218	1.876.979,773	25,859	25,395	59	56	84.459	11.095,911	147.877,538	13,327	12,863
10	7	98.909	70.118,587	1.804.393,555	25,733	25,269	60	57	83.235	10.565,412	136.781,626	12,946	12,482
11	8	98.891	67.735,161	1.734.274,968	25,604	25,140	61	58	81.931	10.048,154	126.216,214	12,561	12,097
12	9	98.868	65.428,864	1.666.539,807	25,471	25,007	62	59	80.557	9.545,562	116.168,059	12,170	11,706
13	10	98.848	63.203,954	1.601.110,943	25,332	24,868	63	60	79.068	9.052,282	106.622,497	11,779	11,314
14	11	98.827	61.053,570	1.537.906,989	25,189	24,725	64	61	77.496	8.572,330	97.570,215	11,382	10,918
15	12	98.800	58.972,543	1.476.853,419	25,043	24,579	65	62	75.844	8.105,861	88.997,885	10,979	10,515
16	13	98.768	56.960,024	1.417.880,876	24,893	24,429	66	63	74.047	7.646,170	80.892,025	10,579	10,115
17	14	98.720	55.007,430	1.360.920,852	24,741	24,277	67	64	72.136	7.196,957	73.245,855	10,177	9,713
18	15	98.659	53.114,148	1.305.913,422	24,587	24,123	68	65	70.075	6.754,874	66.048,898	9,778	9,314
19	16	98.567	51.269,930	1.252.799,274	24,435	23,971	69	66	67.859	6.320,121	59.294,024	9,382	8,918
20	17	98.466	49.485,786	1.201.529,344	24,280	23,816	70	67	65.513	5.895,267	52.973,903	8,986	8,522
21	18	98.370	47.765,492	1.152.043,558	24,119	23,655	71	68	62.998	5.477,225	47.078,636	8,595	8,131
22	19	98.264	46.100,786	1.104.278,067	23,954	23,490	72	69	60.316	5.066,735	41.601,411	8,211	7,747
23	20	98.163	44.495,901	1.058.177,281	23,781	23,317	73	70	57.450	4.662,796	36.534,676	7,835	7,371
24	21	98.059	42.945,774	1.013.681,380	23,604	23,140	74	71	54.437	4.268,838	31.871,881	7,466	7,002
25	22	97.964	41.453,250	970.735,606	23,418	22,954	75	72	51.281	3.885,344	27.603,043	7,104	6,640
26	23	97.866	40.011,317	929.282,356	23,225	22,761	76	73	48.028	3.515,839	23.717,698	6,746	6,282
27	24	97.771	38.620,551	889.271,039	23,026	22,562	77	74	44.703	3.161,735	20.201,859	6,389	5,925
28	25	97.674	37.277,727	850.650,487	22,819	22,355	78	75	41.294	2.821,880	17.040,125	6,039	5,575
29	26	97.578	35.981,797	813.372,760	22,605	22,141	79	76	37.782	2.494,551	14.218,245	5,700	5,236
30	27	97.482	34.730,844	777.390,963	22,383	21,919	80	77	34.245	2.184,567	11.723,693	5,367	4,903
31	28	97.383	33.522,084	742.660,119	22,154	21,690	81	78	30.668	1.890,266	9.539,126	5,046	4,582
32	29	97.277	32.353,304	709.138,035	21,919	21,455	82	79	27.107	1.614,262	7.648,860	4,738	4,274
33	30	97.169	31.224,480	676.784,731	21,675	21,211	83	80	23.529	1.353,826	6.034,598	4,457	3,993
34	31	97.052	30.132,246	645.560,252	21,424	20,960	84	81	20.102	1.117,533	4.680,772	4,188	3,724
35	32	96.924	29.075,086	615.428,005	21,167	20,703	85	82	16.889	907,132	3.563,239	3,928	3,464
36	33	96.789	28.052,494	586.352,919	20,902	20,438	86	83	13.962	724,549	2.656,107	3,666	3,202
37	34	96.641	27.062,445	558.300,425	20,630	20,166	87	84	11.244	563,796	1.931,558	3,426	2,962
38	35	96.479	26.103,457	531.237,980	20,351	19,887	88	85	8.788	425,725	1.367,762	3,213	2,749
39	36	96.296	25.173,084	505.134,523	20,066	19,602	89	86	6.697	313,450	942,037	3,005	2,541
40	37	96.094	24.270,602	479.961,439	19,775	19,311	90	87	4.939	223,357	628,587	2,814	2,350
41	38	95.869	23.395,117	455.690,837	19,478	19,014	91	88	3.511	153,432	405,230	2,641	2,177
42	39	95.620	22.545,255	432.295,721	19,175	18,711	92	89	2.401	101,361	251,798	2,484	2,020
43	40	95.333	21.717,419	409.750,465	18,867	18,403	93	90	1.575	64,238	150,437	2,342	1,878
44	41	95.014	20.912,860	388.033,047	18,555	18,091	94	91	991	39,062	86,198	2,207	1,743
45	42	94.666	20.131,533	367.120,187	18,236	17,772	95	92	591	22,514	47,136	2,094	1,630
46	43	94.268	19.369,097	346.988,654	17,915	17,451	96	93	336	12,367	24,622	1,991	1,527
47	44	93.826	18.626,374	327.619,556	17,589	17,125	97	94	182	6,458	12,256	1,898	1,434
48	45	93.345	17.904,088	308.993,182	17,258	16,794	98	95	93	3,197	5,798	1,813	1,349
49	46	92.816	17.200,691	291.089,093	16,923	16,459	99	96	45	1,498	2,601	1,737	1,273
							100	97	21	0,662	1,103	1,667	1,203

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 4 Jahre

Zinsfuß 3,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	46	92.399	16.544,434	275.952,579	16,679	16,215
1							51	47	91.776	15.877,183	259.408,145	16,338	15,874
2							52	48	91.123	15.231,121	243.530,963	15,989	15,525
3							53	49	90.397	14.598,738	228.299,841	15,638	15,174
4	0	99.465	86.678,327	2.283.142,021	26,340	25,876	54	50	89.613	13.982,668	213.701,103	15,283	14,819
5	1	99.074	83.418,005	2.196.463,694	26,331	25,867	55	51	88.779	13.384,189	199.718,435	14,922	14,458
6	2	99.025	80.557,208	2.113.045,689	26,230	25,766	56	52	87.870	12.799,141	186.334,246	14,558	14,094
7	3	98.994	77.808,593	2.032.488,481	26,122	25,658	57	53	86.918	12.232,381	173.535,105	14,187	13,723
8	4	98.965	75.155,199	1.954.679,888	26,009	25,545	58	54	85.894	11.679,466	161.302,724	13,811	13,347
9	5	98.940	72.595,708	1.879.524,689	25,890	25,426	59	55	84.780	11.138,090	149.623,258	13,433	12,969
10	6	98.918	70.125,049	1.806.928,981	25,767	25,303	60	56	83.571	10.608,000	138.485,168	13,055	12,591
11	7	98.900	67.741,061	1.736.803,933	25,639	25,175	61	57	82.298	10.093,201	127.877,168	12,670	12,206
12	8	98.877	65.435,145	1.669.062,872	25,507	25,043	62	58	80.947	9.591,753	117.783,967	12,280	11,816
13	9	98.855	63.208,038	1.603.627,726	25,371	24,907	63	59	79.472	9.098,537	108.192,214	11,891	11,427
14	10	98.835	61.058,704	1.540.419,688	25,229	24,764	64	60	77.925	8.619,776	99.093,677	11,496	11,032
15	11	98.809	58.978,074	1.479.360,983	25,083	24,619	65	61	76.273	8.151,733	90.473,902	11,099	10,635
16	12	98.776	56.964,862	1.420.382,910	24,934	24,470	66	62	74.516	7.694,591	82.322,168	10,699	10,235
17	13	98.730	55.012,761	1.363.418,048	24,784	24,320	67	63	72.630	7.246,245	74.627,577	10,299	9,835
18	14	98.670	53.120,338	1.308.405,288	24,631	24,167	68	64	70.591	6.804,635	67.381,333	9,902	9,438
19	15	98.584	51.279,092	1.255.284,950	24,479	24,015	69	65	68.418	6.372,164	60.576,697	9,506	9,042
20	16	98.487	49.496,268	1.204.005,858	24,325	23,861	70	66	66.112	5.949,146	54.204,533	9,111	8,647
21	17	98.391	47.776,003	1.154.509,590	24,165	23,701	71	67	63.645	5.533,473	48.255,387	8,721	8,257
22	18	98.293	46.114,048	1.106.733,587	24,000	23,536	72	68	61.014	5.125,356	42.721,914	8,335	7,871
23	19	98.190	44.508,239	1.060.619,539	23,830	23,366	73	69	58.193	4.723,053	37.596,558	7,960	7,496
24	20	98.090	42.959,343	1.016.111,300	23,653	23,189	74	70	55.222	4.330,388	32.873,505	7,591	7,127
25	21	97.988	41.463,395	973.151,957	23,470	23,006	75	71	52.126	3.949,373	28.543,117	7,227	6,763
26	22	97.893	40.022,153	931.688,562	23,279	22,815	76	72	48.910	3.580,390	24.593,744	6,869	6,405
27	23	97.796	38.630,630	891.666,409	23,082	22,618	77	73	45.632	3.227,486	21.013,354	6,511	6,047
28	24	97.701	37.287,857	853.035,779	22,877	22,413	78	74	42.256	2.887,607	17.785,868	6,159	5,695
29	25	97.602	35.990,654	815.747,922	22,666	22,202	79	75	38.787	2.560,951	14.898,261	5,817	5,353
30	26	97.510	34.740,570	779.757,268	22,445	21,981	80	76	35.266	2.249,692	12.337,310	5,484	5,020
31	27	97.411	33.531,856	745.016,698	22,218	21,754	81	77	31.700	1.953,829	10.087,618	5,163	4,699
32	28	97.306	32.362,910	711.484,842	21,985	21,521	82	78	28.150	1.676,393	8.133,789	4,852	4,388
33	29	97.197	31.233,622	679.121,932	21,743	21,279	83	79	24.563	1.413,277	6.457,396	4,569	4,105
34	30	97.084	30.142,115	647.888,310	21,494	21,030	84	80	21.132	1.174,761	5.044,120	4,294	3,830
35	31	96.959	29.085,476	617.746,195	21,239	20,775	85	81	17.886	960,684	3.869,359	4,028	3,564
36	32	96.823	28.062,472	588.660,720	20,977	20,513	86	82	14.926	774,607	2.908,674	3,755	3,291
37	33	96.679	27.073,263	560.598,247	20,707	20,243	87	83	12.112	607,315	2.134,067	3,514	3,050
38	34	96.524	26.115,700	533.524,984	20,429	19,965	88	84	9.556	462,927	1.526,752	3,298	2,834
39	35	96.346	25.185,978	507.409,283	20,146	19,682	89	85	7.333	343,253	1.063,826	3,099	2,635
40	36	96.148	24.284,334	482.223,305	19,857	19,393	90	86	5.493	248,399	720,572	2,901	2,437
41	37	95.928	23.409,472	457.938,972	19,562	19,098	91	87	3.981	173,935	472,173	2,715	2,251
42	38	95.687	22.561,037	434.529,500	19,260	18,796	92	88	2.765	116,712	298,238	2,555	2,091
43	39	95.409	21.734,812	411.968,463	18,954	18,490	93	89	1.849	75,417	181,526	2,407	1,943
44	40	95.097	20.931,069	390.233,651	18,644	18,180	94	90	1.185	46,695	106,109	2,272	1,808
45	41	94.759	20.151,453	369.302,581	18,326	17,862	95	91	728	27,706	59,415	2,144	1,680
46	42	94.374	19.390,906	349.151,128	18,006	17,542	96	92	423	15,563	31,708	2,037	1,573
47	43	93.948	18.650,583	329.760,223	17,681	17,217	97	93	234	8,321	16,145	1,940	1,476
48	44	93.475	17.929,046	311.109,640	17,352	16,888	98	94	123	4,225	7,824	1,852	1,388
49	45	92.963	17.228,015	293.180,594	17,018	16,554	99	95	61	2,031	3,599	1,772	1,308
							100	96	29	0,923	1,568	1,699	1,235

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 5 Jahre

Zinsfuß 3,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	45	92.546	16.570,715	277.857,226	16,768	16,304
1							51	46	91.942	15.905,749	261.286,511	16,427	15,963
2							52	47	91.301	15.260,798	245.380,762	16,079	15,615
3							53	48	90.589	14.629,752	230.119,964	15,730	15,266
4							54	49	89.829	14.016,402	215.490,212	15,374	14,910
5	0	99.452	83.735,945	2.199.190,195	26,263	25,799	55	50	89.004	13.418,092	201.473,810	15,015	14,551
6	1	99.061	80.586,069	2.115.454,250	26,251	25,787	56	51	88.115	12.834,786	188.055,718	14,652	14,188
7	2	99.014	77.823,980	2.034.868,181	26,147	25,683	57	52	87.182	12.269,475	175.220,933	14,281	13,817
8	3	98.982	75.168,102	1.957.044,201	26,036	25,572	58	53	86.166	11.716,461	162.951,458	13,908	13,444
9	4	98.953	72.605,085	1.881.876,099	25,919	25,455	59	54	85.076	11.176,966	151.234,997	13,531	13,067
10	5	98.931	70.134,217	1.809.271,014	25,797	25,333	60	55	83.888	10.648,324	140.058,031	13,153	12,689
11	6	98.909	67.747,303	1.739.136,798	25,671	25,207	61	56	82.630	10.133,886	129.409,707	12,770	12,306
12	7	98.886	65.440,845	1.671.389,494	25,540	25,076	62	57	81.310	9.634,753	119.275,821	12,380	11,916
13	8	98.864	63.214,106	1.605.948,649	25,405	24,941	63	58	79.856	9.142,564	109.641,068	11,992	11,528
14	9	98.842	61.062,650	1.542.734,543	25,265	24,801	64	59	78.323	8.663,821	100.498,504	11,600	11,136
15	10	98.817	58.983,034	1.481.671,893	25,120	24,656	65	60	76.695	8.196,851	91.834,683	11,204	10,740
16	11	98.786	56.970,204	1.422.688,859	24,973	24,508	66	61	74.938	7.738,136	83.637,832	10,809	10,344
17	12	98.738	55.017,433	1.365.718,655	24,823	24,359	67	62	73.090	7.292,133	75.899,696	10,408	9,944
18	13	98.680	53.125,485	1.310.701,222	24,672	24,208	68	63	71.074	6.851,236	68.607,563	10,014	9,550
19	14	98.596	51.285,068	1.257.575,737	24,521	24,057	69	64	68.922	6.419,106	61.756,326	9,621	9,157
20	15	98.505	49.505,113	1.206.290,669	24,367	23,903	70	65	66.656	5.998,135	55.337,220	9,226	8,762
21	16	98.412	47.786,123	1.156.785,556	24,208	23,744	71	66	64.226	5.584,045	49.339,086	8,836	8,372
22	17	98.314	46.124,196	1.108.999,433	24,044	23,580	72	67	61.641	5.177,991	43.755,040	8,450	7,986
23	18	98.219	44.521,043	1.062.875,237	23,874	23,410	73	68	58.866	4.777,698	38.577,050	8,074	7,610
24	19	98.117	42.971,255	1.018.354,194	23,698	23,234	74	69	55.936	4.386,350	33.799,351	7,706	7,242
25	20	98.019	41.476,495	975.382,939	23,517	23,052	75	70	52.878	4.006,317	29.413,001	7,342	6,878
26	21	97.916	40.031,948	933.906,444	23,329	22,865	76	71	49.716	3.639,393	25.406,685	6,981	6,517
27	22	97.823	38.641,092	893.874,496	23,133	22,669	77	72	46.470	3.286,743	21.767,292	6,623	6,159
28	23	97.726	37.297,588	855.233,404	22,930	22,466	78	73	43.134	2.947,658	18.480,548	6,270	5,806
29	24	97.629	36.000,434	817.935,816	22,720	22,256	79	74	39.691	2.620,600	15.532,891	5,927	5,463
30	25	97.534	34.749,120	781.935,381	22,502	22,038	80	75	36.204	2.309,574	12.912,291	5,591	5,127
31	26	97.438	33.541,246	747.186,261	22,277	21,813	81	76	32.645	2.012,075	10.602,717	5,270	4,806
32	27	97.334	32.372,345	713.645,015	22,045	21,581	82	77	29.097	1.732,764	8.590,642	4,958	4,494
33	28	97.226	31.242,895	681.272,670	21,806	21,342	83	78	25.508	1.467,672	6.857,878	4,673	4,209
34	29	97.112	30.150,941	650.029,775	21,559	21,095	84	79	22.060	1.226,348	5.390,206	4,395	3,931
35	30	96.991	29.095,002	619.878,834	21,305	20,841	85	80	18.802	1.009,880	4.163,858	4,123	3,659
36	31	96.858	28.072,500	590.783,832	21,045	20,581	86	81	15.807	820,336	3.153,978	3,845	3,381
37	32	96.714	27.082,893	562.711,332	20,777	20,313	87	82	12.949	649,274	2.333,642	3,594	3,130
38	33	96.563	26.126,140	535.628,439	20,502	20,038	88	83	10.293	498,660	1.684,368	3,378	2,914
39	34	96.391	25.197,791	509.502,299	20,220	19,756	89	84	7.974	373,248	1.185,709	3,177	2,713
40	35	96.197	24.296,773	484.304,508	19,933	19,469	90	85	6.015	272,017	812,461	2,987	2,523
41	36	95.982	23.422,716	460.007,735	19,639	19,175	91	86	4.427	193,436	540,444	2,794	2,330
42	37	95.746	22.574,880	436.585,019	19,339	18,875	92	87	3.134	132,308	347,007	2,623	2,159
43	38	95.476	21.750,027	414.010,139	19,035	18,571	93	88	2.129	86,839	214,699	2,472	2,008
44	39	95.173	20.947,833	392.260,112	18,726	18,262	94	89	1.391	54,820	127,861	2,332	1,868
45	40	94.842	20.169,000	371.312,279	18,410	17,946	95	90	870	33,120	73,040	2,205	1,741
46	41	94.468	19.410,092	351.143,279	18,091	17,627	96	91	521	19,152	39,920	2,084	1,620
47	42	94.054	18.671,582	331.733,187	17,767	17,303	97	92	295	10,472	20,768	1,983	1,519
48	43	93.596	17.952,348	313.061,605	17,438	16,974	98	93	159	5,444	10,295	1,891	1,427
49	44	93.093	17.252,030	295.109,256	17,106	16,642	99	94	81	2,684	4,851	1,808	1,344
							100	95	39	1,252	2,167	1,732	1,268

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 6 Jahre

Zinsfuß 3,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	44	92.675	16.593,814	279.611,680	16,850	16,386
1							51	45	92.088	15.931,016	263.017,866	16,510	16,046
2							52	46	91.465	15.288,256	247.086,850	16,162	15,698
3							53	47	90.766	14.658,257	231.798,594	15,814	15,349
4							54	48	90.020	14.046,179	217.140,337	15,459	14,995
5							55	49	89.219	13.450,463	203.094,159	15,099	14,635
6	0	99.438	80.893,216	2.117.978,881	26,182	25,718	56	50	88.338	12.867,297	189.643,695	14,738	14,274
7	1	99.049	77.851,862	2.037.085,666	26,166	25,702	57	51	87.425	12.303,645	176.776,399	14,368	13,904
8	2	99.002	75.182,966	1.959.233,804	26,060	25,596	58	52	86.427	11.751,990	164.472,754	13,995	13,531
9	3	98.970	72.617,550	1.884.050,838	25,945	25,481	59	53	85.345	11.212,370	152.720,764	13,621	13,157
10	4	98.944	70.143,276	1.811.433,288	25,825	25,361	60	54	84.181	10.685,491	141.508,395	13,243	12,779
11	5	98.922	67.756,161	1.741.290,012	25,699	25,235	61	55	82.944	10.172,407	130.822,904	12,861	12,397
12	6	98.895	65.446,875	1.673.533,851	25,571	25,107	62	56	81.637	9.673,590	120.650,496	12,472	12,008
13	7	98.873	63.219,612	1.608.086,976	25,437	24,972	63	57	80.214	9.183,551	110.976,906	12,084	11,620
14	8	98.851	61.068,512	1.544.867,364	25,297	24,833	64	58	78.702	8.705,744	101.793,355	11,693	11,229
15	9	98.824	58.986,845	1.483.798,851	25,155	24,691	65	59	77.087	8.238,735	93.087,611	11,299	10,835
16	10	98.794	56.974,995	1.424.812,006	25,008	24,544	66	60	75.352	7.780,965	84.848,876	10,905	10,441
17	11	98.748	55.022,593	1.367.837,011	24,860	24,396	67	61	73.504	7.333,401	77.067,912	10,509	10,045
18	12	98.688	53.129,997	1.312.814,418	24,709	24,245	68	62	71.524	6.894,623	69.734,511	10,114	9,650
19	13	98.605	51.290,038	1.259.684,421	24,560	24,096	69	63	69.394	6.463,067	62.839,887	9,723	9,259
20	14	98.516	49.510,882	1.208.394,383	24,407	23,943	70	64	67.147	6.042,321	56.376,820	9,330	8,866
21	15	98.430	47.794,663	1.158.883,501	24,247	23,783	71	65	64.755	5.630,028	50.334,499	8,940	8,476
22	16	98.335	46.133,966	1.111.088,838	24,084	23,620	72	66	62.204	5.225,314	44.704,471	8,555	8,091
23	17	98.240	44.530,841	1.064.954,872	23,915	23,451	73	67	59.470	4.826,762	39.479,157	8,179	7,715
24	18	98.146	42.983,617	1.020.424,032	23,740	23,276	74	68	56.583	4.437,099	34.652,395	7,810	7,346
25	19	98.046	41.487,996	977.440,415	23,560	23,096	75	69	53.561	4.058,091	30.215,295	7,446	6,982
26	20	97.947	40.044,596	935.952,419	23,373	22,909	76	70	50.433	3.691,868	26.157,205	7,085	6,621
27	21	97.846	38.650,549	895.907,823	23,180	22,716	77	71	47.236	3.340,907	22.465,337	6,724	6,260
28	22	97.753	37.307,689	857.257,274	22,978	22,514	78	72	43.926	3.001,777	19.124,431	6,371	5,907
29	23	97.654	36.009,829	819.949,585	22,770	22,306	79	73	40.516	2.675,098	16.122,653	6,027	5,563
30	24	97.560	34.758,564	783.939,756	22,554	22,090	80	74	37.048	2.363,368	13.447,555	5,690	5,226
31	25	97.462	33.549,502	749.181,192	22,331	21,867	81	75	33.514	2.065,632	11.084,188	5,366	4,902
32	26	97.361	32.381,410	715.631,691	22,100	21,636	82	76	29.964	1.784,420	9.018,556	5,054	4,590
33	27	97.254	31.252,003	683.250,281	21,863	21,399	83	77	26.366	1.517,024	7.234,136	4,769	4,305
34	28	97.141	30.159,893	651.998,277	21,618	21,154	84	78	22.909	1.273,549	5.717,111	4,489	4,025
35	29	97.019	29.103,521	621.838,385	21,366	20,902	85	79	19.627	1.054,227	4.443,562	4,215	3,751
36	30	96.889	28.081,695	592.734,864	21,108	20,643	86	80	16.617	862,344	3.389,335	3,930	3,466
37	31	96.748	27.092,571	564.653,170	20,842	20,378	87	81	13.714	687,604	2.526,991	3,675	3,211
38	32	96.597	26.135,433	537.560,599	20,568	20,104	88	82	11.004	533,111	1.839,387	3,450	2,986
39	33	96.429	25.207,864	511.425,166	20,288	19,824	89	83	8.590	402,059	1.306,276	3,249	2,785
40	34	96.242	24.308,169	486.217,302	20,002	19,538	90	84	6.540	295,787	904,217	3,057	2,593
41	35	96.032	23.434,714	461.909,133	19,710	19,246	91	85	4.848	211,828	608,430	2,872	2,408
42	36	95.800	22.587,653	438.474,419	19,412	18,948	92	86	3.485	147,142	396,602	2,695	2,231
43	37	95.535	21.763,372	415.886,766	19,109	18,645	93	87	2.413	98,443	249,460	2,534	2,070
44	38	95.240	20.962,497	394.123,394	18,801	18,337	94	88	1.602	63,123	151,017	2,392	1,928
45	39	94.918	20.185,153	373.160,897	18,487	18,023	95	89	1.021	38,883	87,894	2,260	1,796
46	40	94.550	19.426,994	352.975,745	18,169	17,705	96	90	622	22,895	49,011	2,141	1,677
47	41	94.147	18.690,057	333.548,751	17,846	17,382	97	91	363	12,888	26,116	2,026	1,562
48	42	93.702	17.972,562	314.858,694	17,519	17,055	98	92	199	6,851	13,228	1,931	1,467
49	43	93.214	17.274,453	296.886,132	17,186	16,722	99	93	104	3,459	6,377	1,844	1,380
							100	94	52	1,654	2,919	1,765	1,301

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 7 Jahre

Zinsfuß 3,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	43	92.796	16.615,381	281.226,600	16,926	16,462
1							51	44	92.216	15.953,223	264.611,219	16,587	16,123
2							52	45	91.611	15.312,542	248.657,997	16,239	15,775
3							53	46	90.929	14.684,630	233.345,455	15,890	15,426
4							54	47	90.195	14.073,547	218.660,825	15,537	15,073
5							55	48	89.408	13.479,038	204.587,278	15,178	14,714
6							56	49	88.551	12.898,339	191.108,240	14,816	14,352
7	0	99.427	78.148,587	2.039.422,445	26,097	25,633	57	50	87.646	12.334,810	178.209,900	14,448	13,984
8	1	99.037	75.209,902	1.961.273,859	26,077	25,613	58	51	86.668	11.784,719	165.875,090	14,075	13,611
9	2	98.990	72.631,910	1.886.063,956	25,967	25,503	59	52	85.604	11.246,370	154.090,371	13,701	13,237
10	3	98.961	70.155,318	1.813.432,046	25,849	25,385	60	53	84.448	10.719,338	142.844,002	13,326	12,862
11	4	98.935	67.764,913	1.743.276,728	25,725	25,261	61	54	83.234	10.207,913	132.124,664	12,943	12,479
12	5	98.908	65.455,432	1.675.511,816	25,598	25,134	62	55	81.948	9.710,362	121.916,751	12,555	12,091
13	6	98.882	63.225,438	1.610.056,384	25,465	25,001	63	56	80.538	9.220,569	112.206,389	12,169	11,705
14	7	98.860	61.073,831	1.546.830,945	25,327	24,863	64	57	79.055	8.744,773	102.985,820	11,777	11,313
15	8	98.833	58.992,508	1.485.757,114	25,186	24,721	65	58	77.460	8.278,601	94.241,047	11,384	10,920
16	9	98.800	56.978,677	1.426.764,606	25,040	24,576	66	59	75.737	7.820,723	85.962,446	10,992	10,528
17	10	98.756	55.027,220	1.369.785,929	24,893	24,429	67	60	73.910	7.373,989	78.141,723	10,597	10,133
18	11	98.698	53.134,980	1.314.758,709	24,744	24,280	68	61	71.929	6.933,641	70.767,733	10,206	9,742
19	12	98.614	51.294,394	1.261.623,729	24,596	24,132	69	62	69.834	6.503,996	63.834,092	9,815	9,351
20	13	98.526	49.515,680	1.210.329,335	24,443	23,979	70	63	67.607	6.083,701	57.330,096	9,424	8,960
21	14	98.441	47.800,233	1.160.813,655	24,285	23,821	71	64	65.232	5.671,503	51.246,395	9,036	8,572
22	15	98.353	46.142,210	1.113.013,423	24,121	23,657	72	65	62.716	5.268,343	45.574,892	8,651	8,187
23	16	98.261	44.540,273	1.066.871,212	23,953	23,489	73	66	60.014	4.870,876	40.306,549	8,275	7,811
24	17	98.167	42.993,076	1.022.330,939	23,779	23,315	74	67	57.164	4.482,666	35.435,673	7,905	7,441
25	18	98.075	41.499,931	979.337,863	23,599	23,135	75	68	54.181	4.105,042	30.953,008	7,540	7,076
26	19	97.975	40.055,700	937.837,932	23,413	22,949	76	69	51.085	3.739,578	26.847,965	7,179	6,715
27	20	97.877	38.662,761	897.782,233	23,221	22,757	77	70	47.917	3.389,078	23.108,388	6,818	6,354
28	21	97.776	37.316,819	859.119,472	23,022	22,558	78	71	44.650	3.051,245	19.719,310	6,463	5,999
29	22	97.681	36.019,581	821.802,652	22,815	22,351	79	72	41.260	2.724,213	16.668,065	6,118	5,654
30	23	97.586	34.767,635	785.783,071	22,601	22,137	80	73	37.818	2.412,517	13.943,852	5,780	5,316
31	24	97.489	33.558,619	751.015,437	22,379	21,915	81	74	34.294	2.113,744	11.531,336	5,455	4,991
32	25	97.385	32.389,380	717.456,818	22,151	21,687	82	75	30.762	1.831,917	9.417,591	5,141	4,677
33	26	97.282	31.260,755	685.067,438	21,915	21,451	83	76	27.152	1.562,249	7.585,674	4,856	4,392
34	27	97.169	30.168,685	653.806,683	21,672	21,208	84	77	23.679	1.316,374	6.023,425	4,576	4,112
35	28	97.048	29.112,162	623.637,998	21,422	20,958	85	78	20.383	1.094,803	4.707,051	4,299	3,835
36	29	96.918	28.089,917	594.525,836	21,165	20,701	86	79	17.347	900,213	3.612,248	4,013	3,549
37	30	96.780	27.101,444	566.435,919	20,901	20,437	87	80	14.416	722,815	2.712,036	3,752	3,288
38	31	96.631	26.144,772	539.334,475	20,629	20,165	88	81	11.654	564,583	1.989,221	3,523	3,059
39	32	96.464	25.216,830	513.189,703	20,351	19,887	89	82	9.183	429,837	1.424,637	3,314	2,850
40	33	96.281	24.317,886	487.972,873	20,066	19,602	90	83	7.045	318,618	994,801	3,122	2,658
41	34	96.077	23.445,706	463.654,987	19,776	19,312	91	84	5.272	230,339	676,182	2,936	2,472
42	35	95.849	22.599,223	440.209,281	19,479	19,015	92	85	3.817	161,132	445,844	2,767	2,303
43	36	95.589	21.775,686	417.610,059	19,178	18,714	93	86	2.684	109,480	284,711	2,601	2,137
44	37	95.298	20.975,359	395.834,373	18,871	18,407	94	87	1.816	71,558	175,231	2,449	1,985
45	38	94.984	20.199,283	374.859,014	18,558	18,094	95	88	1.176	44,772	103,673	2,316	1,852
46	39	94.626	19.442,553	354.659,732	18,241	17,777	96	89	731	26,879	58,901	2,191	1,727
47	40	94.229	18.706,332	335.217,179	17,920	17,456	97	90	433	15,406	32,022	2,079	1,615
48	41	93.794	17.990,345	316.510,847	17,593	17,129	98	91	245	8,431	16,617	1,971	1,507
49	42	93.319	17.293,903	298.520,503	17,262	16,798	99	92	131	4,353	8,185	1,881	1,417
							100	93	66	2,131	3,833	1,798	1,334

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 8 Jahre

Zinsfuß 3,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	42	92.900	16.634,089	282.710,855	16,996	16,532
1							51	43	92.336	15.973,957	266.076,767	16,657	16,193
2							52	44	91.738	15.333,886	250.102,809	16,310	15,846
3							53	45	91.073	14.707,957	234.768,923	15,962	15,498
4							54	46	90.357	14.098,868	220.060,966	15,608	15,144
5							55	47	89.583	13.505,301	205.962,097	15,250	14,786
6							56	48	88.739	12.925,741	192.456,796	14,889	14,425
7							57	49	87.858	12.364,568	179.531,055	14,520	14,056
8	0	99.415	75.496,558	1.963.436,213	26,007	25,543	58	50	86.888	11.814,570	167.166,487	14,149	13,685
9	1	99.025	72.657,932	1.887.939,656	25,984	25,520	59	51	85.842	11.277,691	155.351,917	13,775	13,311
10	2	98.981	70.169,191	1.815.281,724	25,870	25,406	60	52	84.704	10.751,843	144.074,227	13,400	12,936
11	3	98.952	67.776,547	1.745.112,533	25,748	25,284	61	53	83.497	10.240,247	133.322,384	13,019	12,555
12	4	98.920	65.463,887	1.677.335,986	25,622	25,158	62	54	82.234	9.744,255	123.082,137	12,631	12,167
13	5	98.895	63.233,704	1.611.872,099	25,491	25,027	63	55	80.844	9.255,619	113.337,882	12,245	11,781
14	6	98.869	61.079,459	1.548.638,395	25,354	24,890	64	56	79.374	8.780,022	104.082,264	11,854	11,390
15	7	98.842	58.997,646	1.487.558,935	25,214	24,750	65	57	77.808	8.315,715	95.302,241	11,460	10,996
16	8	98.810	56.984,147	1.428.561,289	25,069	24,605	66	58	76.104	7.858,567	86.986,526	11,069	10,605
17	9	98.762	55.030,776	1.371.577,142	24,924	24,460	67	59	74.288	7.411,669	79.127,959	10,676	10,212
18	10	98.706	53.139,449	1.316.546,366	24,775	24,311	68	60	72.327	6.972,017	71.716,290	10,286	9,822
19	11	98.623	51.299,205	1.263.406,917	24,628	24,164	69	61	70.229	6.540,803	64.744,273	9,899	9,434
20	12	98.534	49.519,885	1.212.107,712	24,477	24,013	70	62	68.035	6.122,228	58.203,470	9,507	9,043
21	13	98.451	47.804,864	1.162.587,827	24,319	23,855	71	63	65.679	5.710,344	52.081,242	9,121	8,656
22	14	98.364	46.147,587	1.114.782,963	24,157	23,693	72	64	63.178	5.307,153	46.370,898	8,737	8,273
23	15	98.279	44.548,232	1.068.635,375	23,988	23,524	73	65	60.508	4.910,986	41.063,745	8,362	7,898
24	16	98.188	43.002,183	1.024.087,143	23,815	23,351	74	66	57.686	4.523,634	36.152,760	7,992	7,528
25	17	98.096	41.509,064	981.084,960	23,635	23,171	75	67	54.737	4.147,198	31.629,125	7,627	7,163
26	18	98.003	40.067,223	939.575,896	23,450	22,986	76	68	51.676	3.782,844	27.481,927	7,265	6,801
27	19	97.905	38.673,481	899.508,673	23,259	22,795	77	69	48.536	3.432,875	23.699,082	6,904	6,440
28	20	97.807	37.328,610	860.835,192	23,061	22,597	78	70	45.294	3.095,239	20.266,208	6,548	6,084
29	21	97.705	36.028,396	823.506,582	22,857	22,393	79	71	41.940	2.769,107	17.170,969	6,201	5,737
30	22	97.612	34.777,050	787.478,186	22,644	22,180	80	72	38.512	2.456,811	14.401,862	5,862	5,398
31	23	97.514	33.567,377	752.701,136	22,424	21,960	81	73	35.007	2.157,702	11.945,051	5,536	5,072
32	24	97.412	32.398,182	719.133,759	22,197	21,733	82	74	31.478	1.874,586	9.787,349	5,221	4,757
33	25	97.306	31.268,449	686.735,577	21,963	21,499	83	75	27.875	1.603,832	7.912,764	4,934	4,470
34	26	97.196	30.177,133	655.467,128	21,721	21,257	84	76	24.385	1.355,617	6.308,931	4,654	4,190
35	27	97.076	29.120,648	625.289,995	21,472	21,008	85	77	21.068	1.131,617	4.953,315	4,377	3,913
36	28	96.946	28.098,257	596.169,347	21,217	20,753	86	78	18.014	934,861	3.821,697	4,088	3,624
37	29	96.808	27.109,379	568.071,090	20,955	20,491	87	79	15.049	754,556	2.886,837	3,826	3,362
38	30	96.663	26.153,335	540.961,710	20,684	20,220	88	80	12.251	593,495	2.132,280	3,593	3,129
39	31	96.498	25.225,841	514.808,375	20,408	19,944	89	81	9.725	455,212	1.538,785	3,380	2,916
40	32	96.315	24.326,535	489.582,534	20,125	19,661	90	82	7.532	340,631	1.083,573	3,181	2,717
41	33	96.115	23.455,078	465.255,998	19,836	19,372	91	83	5.678	248,118	742,942	2,994	2,530
42	34	95.894	22.609,823	441.800,920	19,540	19,076	92	84	4.150	175,213	494,824	2,824	2,360
43	35	95.638	21.786,840	419.191,098	19,241	18,777	93	85	2.939	119,889	319,611	2,666	2,202
44	36	95.352	20.987,226	397.404,258	18,936	18,472	94	86	2.019	79,581	199,722	2,510	2,046
45	37	95.043	20.211,677	376.417,032	18,624	18,160	95	87	1.333	50,755	120,141	2,367	1,903
46	38	94.692	19.456,162	356.205,355	18,308	17,844	96	88	841	30,950	69,386	2,242	1,778
47	39	94.305	18.721,313	336.749,193	17,987	17,523	97	89	509	18,087	38,436	2,125	1,661
48	40	93.876	18.006,010	318.027,879	17,662	17,198	98	90	293	10,079	20,349	2,019	1,555
49	41	93.411	17.311,014	300.021,869	17,331	16,867	99	91	161	5,356	10,271	1,917	1,453
							100	92	84	2,682	4,914	1,832	1,368

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 9 Jahre

Zinsfuß 3,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	41	92.992	16.650,547	284.073,453	17,061	16,597
1							51	42	92.440	15.991,943	267.422,906	16,722	16,258
2							52	43	91.857	15.353,816	251.430,963	16,376	15,912
3							53	44	91.200	14.728,459	236.077,147	16,029	15,565
4							54	45	90.501	14.121,265	221.348,687	15,675	15,211
5							55	46	89.744	13.529,600	207.227,423	15,317	14,853
6							56	47	88.912	12.950,926	193.697,823	14,956	14,492
7							57	48	88.044	12.390,836	180.746,896	14,587	14,123
8							58	49	87.097	11.843,073	168.356,060	14,216	13,752
9	0	99.403	72.934,861	1.889.940,382	25,913	25,449	59	50	86.060	11.306,257	156.512,988	13,843	13,379
10	1	99.016	70.194,331	1.817.005,521	25,885	25,421	60	51	84.940	10.781,786	145.206,730	13,468	13,004
11	2	98.971	67.789,950	1.746.811,190	25,768	25,304	61	52	83.750	10.271,299	134.424,944	13,087	12,623
12	3	98.937	65.475,125	1.679.021,241	25,644	25,180	62	53	82.494	9.775,120	124.153,645	12,701	12,237
13	4	98.908	63.241,872	1.613.546,115	25,514	25,050	63	54	81.126	9.287,924	114.378,525	12,315	11,851
14	5	98.882	61.087,445	1.550.304,243	25,378	24,914	64	55	79.676	8.813,398	105.090,601	11,924	11,460
15	6	98.851	59.003,083	1.489.216,798	25,240	24,776	65	56	78.121	8.349,235	96.277,203	11,531	11,067
16	7	98.818	56.989,110	1.430.213,715	25,096	24,632	66	57	76.445	7.893,798	87.927,968	11,139	10,675
17	8	98.772	55.036,059	1.373.224,605	24,951	24,487	67	58	74.648	7.447,533	80.034,170	10,746	10,282
18	9	98.712	53.142,883	1.318.188,545	24,805	24,341	68	59	72.697	7.007,643	72.586,637	10,358	9,894
19	10	98.631	51.303,519	1.265.045,663	24,658	24,194	69	60	70.617	6.577,005	65.578,994	9,971	9,507
20	11	98.543	49.524,530	1.213.742,144	24,508	24,044	70	61	68.420	6.156,875	59.001,990	9,583	9,119
21	12	98.459	47.808,925	1.164.217,614	24,351	23,887	71	62	66.095	5.746,506	52.845,115	9,196	8,732
22	13	98.374	46.152,059	1.116.408,689	24,190	23,726	72	63	63.611	5.343,499	47.098,609	8,814	8,350
23	14	98.290	44.553,424	1.070.256,630	24,022	23,558	73	64	60.954	4.947,163	41.755,111	8,440	7,976
24	15	98.206	43.009,867	1.025.703,206	23,848	23,384	74	65	58.161	4.560,885	36.807,947	8,070	7,606
25	16	98.117	41.517,856	982.693,339	23,669	23,205	75	66	55.237	4.185,101	32.247,062	7,705	7,241
26	17	98.024	40.076,040	941.175,482	23,485	23,021	76	67	52.206	3.821,692	28.061,961	7,343	6,879
27	18	97.933	38.684,607	901.099,442	23,293	22,829	77	68	49.098	3.472,593	24.240,269	6,980	6,516
28	19	97.834	37.338,960	862.414,836	23,097	22,633	78	69	45.879	3.135,239	20.767,677	6,624	6,160
29	20	97.735	36.039,780	825.075,875	22,893	22,429	79	70	42.545	2.809,033	17.632,437	6,277	5,813
30	21	97.636	34.785,561	789.036,095	22,683	22,219	80	71	39.147	2.497,297	14.823,405	5,936	5,472
31	22	97.541	33.576,467	754.250,534	22,464	22,000	81	72	35.650	2.197,318	12.326,107	5,610	5,146
32	23	97.437	32.406,637	720.674,067	22,238	21,774	82	73	32.133	1.913,570	10.128,789	5,293	4,829
33	24	97.332	31.276,946	688.267,430	22,006	21,542	83	74	28.524	1.641,189	8.215,220	5,006	4,542
34	25	97.220	30.184,561	656.990,484	21,766	21,302	84	75	25.034	1.391,700	6.574,031	4,724	4,260
35	26	97.104	29.128,803	626.805,923	21,518	21,054	85	76	21.696	1.165,352	5.182,331	4,447	3,983
36	27	96.975	28.106,448	597.677,120	21,265	20,801	86	77	18.620	966,297	4.016,979	4,157	3,693
37	28	96.837	27.117,428	569.570,672	21,004	20,540	87	78	15.628	783,598	3.050,682	3,893	3,429
38	29	96.691	26.160,993	542.453,243	20,735	20,271	88	79	12.789	619,558	2.267,084	3,659	3,195
39	30	96.530	25.234,103	516.292,251	20,460	19,996	89	80	10.223	478,523	1.647,526	3,443	2,979
40	31	96.349	24.335,228	491.058,147	20,179	19,715	90	81	7.977	360,740	1.169,004	3,241	2,777
41	32	96.149	23.463,421	466.722,919	19,892	19,427	91	82	6.071	265,260	808,263	3,047	2,583
42	33	95.932	22.618,860	443.259,498	19,597	19,133	92	83	4.471	188,737	543,003	2,877	2,413
43	34	95.683	21.797,059	420.640,638	19,298	18,834	93	84	3.196	130,366	354,266	2,717	2,253
44	35	95.401	20.997,976	398.843,579	18,994	18,530	94	85	2.211	87,147	223,900	2,569	2,105
45	36	95.096	20.223,112	377.845,603	18,684	18,220	95	86	1.482	56,446	136,752	2,423	1,959
46	37	94.750	19.468,101	357.622,491	18,370	17,906	96	87	954	35,085	80,307	2,289	1,825
47	38	94.371	18.734,418	338.154,390	18,050	17,586	97	88	586	20,826	45,221	2,171	1,707
48	39	93.951	18.020,431	319.419,971	17,725	17,261	98	89	345	11,833	24,395	2,062	1,598
49	40	93.493	17.326,088	301.399,541	17,396	16,932	99	90	193	6,403	12,563	1,962	1,498
							100	91	103	3,300	6,160	1,866	1,402

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 10 Jahre

Zinsfuß 3,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	40	93.073	16.665,046	285.323,143	17,121	16,657
1							51	41	92.531	16.007,767	268.658,098	16,783	16,319
2							52	42	91.961	15.371,103	252.650,331	16,437	15,973
3							53	43	91.319	14.747,602	237.279,228	16,089	15,625
4							54	44	90.627	14.140,949	222.531,626	15,737	15,273
5							55	45	89.886	13.551,092	208.390,677	15,378	14,914
6							56	46	89.072	12.974,228	194.839,584	15,017	14,553
7							57	47	88.216	12.414,979	181.865,357	14,649	14,185
8							58	48	87.282	11.868,232	169.450,378	14,278	13,814
9							59	49	86.267	11.333,534	157.582,146	13,904	13,440
10	0	99.393	70.461,870	1.818.856,736	25,813	25,349	60	50	85.155	10.809,907	146.248,612	13,530	13,066
11	1	99.007	67.814,237	1.748.394,866	25,782	25,318	61	51	83.984	10.299,905	135.439,515	13,150	12,686
12	2	98.957	65.488,073	1.680.580,630	25,662	25,198	62	52	82.744	9.804,762	125.139,610	12,763	12,299
13	3	98.924	63.252,729	1.615.092,556	25,534	25,070	63	53	81.383	9.317,344	115.334,848	12,379	11,914
14	4	98.895	61.095,336	1.551.839,827	25,400	24,936	64	54	79.954	8.844,160	106.017,504	11,987	11,523
15	5	98.864	59.010,797	1.490.744,491	25,262	24,798	65	55	78.418	8.380,973	97.173,345	11,595	11,130
16	6	98.827	56.994,362	1.431.733,694	25,121	24,657	66	56	76.753	7.925,617	88.792,372	11,203	10,739
17	7	98.780	55.040,853	1.374.739,332	24,977	24,513	67	57	74.982	7.480,921	80.866,755	10,810	10,346
18	8	98.722	53.147,984	1.319.698,479	24,831	24,367	68	58	73.049	7.041,552	73.385,834	10,422	9,958
19	9	98.637	51.306,834	1.266.550,495	24,686	24,222	69	59	70.978	6.610,612	66.344,282	10,036	9,572
20	10	98.552	49.528,695	1.215.243,661	24,536	24,072	70	60	68.799	6.190,951	59.733,670	9,649	9,185
21	11	98.468	47.813,409	1.165.714,966	24,381	23,916	71	61	66.469	5.779,026	53.542,719	9,265	8,801
22	12	98.382	46.155,979	1.117.901,557	24,220	23,756	72	62	64.014	5.377,338	47.763,692	8,882	8,418
23	13	98.299	44.557,741	1.071.745,578	24,053	23,589	73	63	61.371	4.981,044	42.386,355	8,510	8,046
24	14	98.217	43.014,880	1.027.187,837	23,880	23,416	74	64	58.590	4.594,483	37.405,311	8,141	7,677
25	15	98.134	41.525,276	984.172,958	23,701	23,237	75	65	55.692	4.219,564	32.810,828	7,776	7,312
26	16	98.045	40.084,529	942.647,682	23,516	23,052	76	66	52.683	3.856,620	28.591,264	7,414	6,950
27	17	97.954	38.693,120	902.563,153	23,326	22,862	77	67	49.602	3.508,254	24.734,644	7,050	6,586
28	18	97.863	37.349,702	863.870,033	23,129	22,665	78	68	46.410	3.171,513	21.226,390	6,693	6,229
29	19	97.763	36.049,773	826.520,331	22,927	22,463	79	69	43.094	2.845,334	18.054,876	6,345	5,881
30	20	97.667	34.796,552	790.470,558	22,717	22,253	80	70	39.711	2.533,305	15.209,542	6,004	5,540
31	21	97.565	33.584,684	755.674,006	22,501	22,037	81	71	36.238	2.233,528	12.676,237	5,675	5,211
32	22	97.464	32.415,413	722.089,322	22,276	21,812	82	72	32.723	1.948,703	10.442,709	5,359	4,895
33	23	97.357	31.285,109	689.673,909	22,045	21,581	83	73	29.117	1.675,319	8.494,006	5,070	4,606
34	24	97.247	30.192,763	658.388,800	21,806	21,342	84	74	25.617	1.424,115	6.818,687	4,788	4,324
35	25	97.127	29.135,973	628.196,036	21,561	21,097	85	75	22.274	1.196,371	5.394,572	4,509	4,045
36	26	97.002	28.114,319	599.060,064	21,308	20,844	86	76	19.175	995,103	4.198,201	4,219	3,755
37	27	96.865	27.125,334	570.945,745	21,048	20,584	87	77	16.154	809,948	3.203,097	3,955	3,491
38	28	96.720	26.168,760	543.820,411	20,781	20,317	88	78	13.281	643,404	2.393,150	3,720	3,255
39	29	96.558	25.241,492	517.651,651	20,508	20,044	89	79	10.672	499,536	1.749,746	3,503	3,039
40	30	96.381	24.343,199	492.410,159	20,228	19,764	90	80	8.385	379,213	1.250,210	3,297	2,833
41	31	96.184	23.471,805	468.066,961	19,942	19,478	91	81	6.429	280,920	870,996	3,101	2,636
42	32	95.967	22.626,906	444.595,155	19,649	19,185	92	82	4.780	201,777	590,076	2,924	2,460
43	33	95.721	21.805,772	421.968,249	19,351	18,887	93	83	3.443	140,429	388,299	2,765	2,301
44	34	95.446	21.007,825	400.162,478	19,048	18,584	94	84	2.405	94,762	247,871	2,616	2,152
45	35	95.145	20.233,471	379.154,652	18,739	18,275	95	85	1.623	61,812	153,108	2,477	2,013
46	36	94.804	19.479,115	358.921,182	18,426	17,962	96	86	1.061	39,019	91,296	2,340	1,876
47	37	94.428	18.745,914	339.442,066	18,108	17,643	97	87	664	23,609	52,277	2,214	1,750
48	38	94.017	18.033,045	320.696,153	17,784	17,320	98	88	397	13,625	28,668	2,104	1,640
49	39	93.568	17.339,964	302.663,107	17,455	16,991	99	89	227	7,517	15,043	2,001	1,537
							100	90	123	3,945	7,526	1,908	1,444

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 11 Jahre

Zinsfuß 3,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	39	93.148	16.678,393	286.468,899	17,176	16,712
1							51	40	92.612	16.021,705	269.790,506	16,839	16,375
2							52	41	92.052	15.386,313	253.768,801	16,493	16,029
3							53	42	91.422	14.764,207	238.382,488	16,146	15,682
4							54	43	90.745	14.159,328	223.618,281	15,793	15,329
5							55	44	90.012	13.569,982	209.458,953	15,435	14,971
6							56	45	89.213	12.994,838	195.888,971	15,074	14,610
7							57	46	88.374	12.437,316	182.894,134	14,705	14,241
8							58	47	87.452	11.891,357	170.456,818	14,335	13,870
9							59	48	86.451	11.357,611	158.565,461	13,961	13,497
10							60	49	85.360	10.835,174	147.207,850	13,586	13,122
11	0	99.384	68.072,704	1.750.107,974	25,709	25,245	61	50	84.196	10.325,995	136.372,675	13,207	12,743
12	1	98.992	65.511,536	1.682.035,270	25,675	25,211	62	51	82.975	9.832,068	126.046,681	12,820	12,356
13	2	98.944	63.265,238	1.616.523,734	25,552	25,088	63	52	81.630	9.345,598	116.214,613	12,435	11,971
14	3	98.912	61.105,824	1.553.258,496	25,419	24,955	64	53	80.207	8.872,174	106.869,015	12,045	11,581
15	4	98.876	59.018,419	1.492.152,672	25,283	24,819	65	54	78.692	8.410,225	97.996,841	11,652	11,188
16	5	98.840	57.001,814	1.433.134,252	25,142	24,678	66	55	77.045	7.955,745	89.586,616	11,261	10,797
17	6	98.790	55.045,925	1.376.132,439	25,000	24,536	67	56	75.285	7.511,076	81.630,871	10,868	10,404
18	7	98.730	53.152,613	1.321.086,514	24,855	24,391	68	57	73.376	7.073,120	74.119,795	10,479	10,015
19	8	98.647	51.311,760	1.267.933,900	24,710	24,246	69	58	71.322	6.642,600	67.046,675	10,093	9,629
20	9	98.558	49.531,895	1.216.622,141	24,562	24,098	70	59	69.151	6.222,586	60.404,076	9,707	9,243
21	10	98.477	47.817,430	1.167.090,245	24,407	23,943	71	60	66.837	5.811,012	54.181,490	9,324	8,860
22	11	98.391	46.160,308	1.119.272,816	24,248	23,783	72	61	64.376	5.407,769	48.370,478	8,945	8,481
23	12	98.308	44.561,526	1.073.112,508	24,082	23,618	73	62	61.760	5.012,587	42.962,709	8,571	8,107
24	13	98.227	43.019,048	1.028.550,982	23,909	23,445	74	63	58.991	4.625,948	37.950,122	8,204	7,740
25	14	98.146	41.530,115	985.531,934	23,731	23,267	75	64	56.102	4.250,648	33.324,174	7,840	7,376
26	15	98.063	40.091,692	944.001,819	23,546	23,082	76	65	53.117	3.888,377	29.073,525	7,477	7,013
27	16	97.975	38.701,316	903.910,127	23,356	22,892	77	66	50.055	3.540,317	25.185,148	7,114	6,650
28	17	97.884	37.357,921	865.208,811	23,160	22,696	78	67	46.887	3.204,083	21.644,831	6,755	6,291
29	18	97.791	36.060,144	827.850,890	22,958	22,493	79	68	43.593	2.878,254	18.440,748	6,407	5,943
30	19	97.694	34.806,200	791.790,746	22,749	22,285	80	69	40.225	2.566,043	15.562,493	6,065	5,601
31	20	97.595	33.595,296	756.984,546	22,532	22,068	81	70	36.760	2.265,732	12.996,451	5,736	5,272
32	21	97.488	32.423,346	723.389,250	22,311	21,847	82	71	33.262	1.980,817	10.730,718	5,417	4,953
33	22	97.384	31.293,581	690.965,904	22,080	21,616	83	72	29.652	1.706,078	8.749,902	5,129	4,665
34	23	97.272	30.200,643	659.672,323	21,843	21,379	84	73	26.150	1.453,731	7.043,824	4,845	4,381
35	24	97.154	29.143,890	629.471,680	21,599	21,135	85	74	22.793	1.224,237	5.590,093	4,566	4,102
36	25	97.026	28.121,239	600.327,789	21,348	20,884	86	75	19.686	1.021,591	4.365,855	4,274	3,810
37	26	96.892	27.132,930	572.206,551	21,089	20,625	87	76	16.635	834,093	3.344,265	4,009	3,545
38	27	96.748	26.176,389	545.073,621	20,823	20,359	88	77	13.728	665,039	2.510,171	3,774	3,310
39	28	96.587	25.248,986	518.897,232	20,551	20,087	89	78	11.083	518,763	1.845,133	3,557	3,093
40	29	96.409	24.350,326	493.648,246	20,273	19,809	90	79	8.753	395,866	1.326,370	3,351	2,887
41	30	96.215	23.479,493	469.297,920	19,988	19,524	91	80	6.758	295,306	930,504	3,151	2,687
42	31	96.001	22.634,991	445.818,427	19,696	19,232	92	81	5.062	213,689	635,198	2,973	2,509
43	32	95.755	21.813,528	423.183,436	19,400	18,936	93	82	3.681	150,131	421,509	2,808	2,344
44	33	95.484	21.016,223	401.369,908	19,098	18,634	94	83	2.590	102,077	271,379	2,659	2,195
45	34	95.190	20.242,961	380.353,685	18,789	18,325	95	84	1.765	67,214	169,301	2,519	2,055
46	35	94.852	19.489,093	360.110,724	18,478	18,014	96	85	1.161	42,729	102,088	2,389	1,925
47	36	94.482	18.756,520	340.621,631	18,160	17,696	97	86	739	26,256	59,359	2,261	1,797
48	37	94.075	18.044,110	321.865,111	17,838	17,374	98	87	450	15,445	33,103	2,143	1,679
49	38	93.633	17.352,102	303.821,001	17,509	17,045	99	88	261	8,656	17,657	2,040	1,576
							100	89	144	4,632	9,002	1,943	1,479

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 12 Jahre

Zinsfuß 3,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	38	93.213	16.690,068	287.518,531	17,227	16,763
1							51	39	92.686	16.034,537	270.828,464	16,890	16,426
2							52	40	92.132	15.399,710	254.793,927	16,545	16,081
3							53	41	91.512	14.778,816	239.394,217	16,198	15,734
4							54	42	90.847	14.175,271	224.615,401	15,846	15,382
5							55	43	90.129	13.587,619	210.440,130	15,488	15,024
6							56	44	89.338	13.012,952	196.852,512	15,127	14,663
7							57	45	88.515	12.457,073	183.839,560	14,758	14,294
8							58	46	87.610	11.912,752	171.382,487	14,386	13,922
9							59	47	86.619	11.379,741	159.469,735	14,013	13,549
10							60	48	85.542	10.858,193	148.089,994	13,639	13,175
11							61	49	84.399	10.350,906	137.231,801	13,258	12,794
12	0	99.370	65.761,227	1.683.620,936	25,602	25,138	62	50	83.185	9.856,973	126.880,895	12,872	12,408
13	1	98.980	63.287,904	1.617.859,709	25,563	25,099	63	51	81.857	9.371,625	117.023,922	12,487	12,023
14	2	98.931	61.117,908	1.554.571,805	25,436	24,972	64	52	80.450	8.899,078	107.652,297	12,097	11,633
15	3	98.893	59.028,552	1.493.453,897	25,301	24,837	65	53	78.941	8.436,865	98.753,219	11,705	11,241
16	4	98.853	57.009,177	1.434.425,345	25,161	24,697	66	54	77.314	7.983,513	90.316,354	11,313	10,849
17	5	98.802	55.053,122	1.377.416,169	25,020	24,556	67	55	75.571	7.539,628	82.332,841	10,920	10,456
18	6	98.740	53.157,512	1.322.363,047	24,876	24,412	68	56	73.672	7.101,631	74.793,214	10,532	10,068
19	7	98.656	51.316,229	1.269.205,535	24,733	24,269	69	57	71.642	6.672,379	67.691,583	10,145	9,681
20	8	98.567	49.536,650	1.217.889,306	24,586	24,122	70	58	69.485	6.252,696	61.019,203	9,759	9,295
21	9	98.483	47.820,520	1.168.352,656	24,432	23,968	71	59	67.178	5.840,704	54.766,507	9,377	8,913
22	10	98.400	46.164,190	1.120.532,137	24,273	23,809	72	60	64.732	5.437,699	48.925,803	8,998	8,533
23	11	98.317	44.565,705	1.074.367,947	24,108	23,643	73	61	62.110	5.040,955	43.488,103	8,627	8,163
24	12	98.235	43.022,702	1.029.802,242	23,936	23,472	74	62	59.365	4.655,243	38.447,149	8,259	7,795
25	13	98.155	41.534,139	986.779,540	23,758	23,294	75	63	56.487	4.279,758	33.791,905	7,896	7,432
26	14	98.074	40.096,364	945.245,401	23,574	23,110	76	64	53.508	3.917,022	29.512,147	7,534	7,070
27	15	97.992	38.708,232	905.149,036	23,384	22,920	77	65	50.467	3.569,471	25.595,125	7,171	6,707
28	16	97.905	37.365,835	866.440,804	23,188	22,724	78	66	47.315	3.233,366	22.025,654	6,812	6,348
29	17	97.812	36.068,079	829.074,970	22,986	22,522	79	67	44.041	2.907,812	18.792,288	6,463	5,999
30	18	97.722	34.816,213	793.006,891	22,777	22,313	80	68	40.690	2.595,732	15.884,476	6,119	5,655
31	19	97.622	33.604,611	758.190,677	22,562	22,098	81	69	37.235	2.295,012	13.288,744	5,790	5,326
32	20	97.518	32.433,591	724.586,066	22,341	21,877	82	70	33.742	2.009,377	10.993,732	5,471	5,007
33	21	97.408	31.301,240	692.152,476	22,113	21,649	83	71	30.140	1.734,193	8.984,355	5,181	4,717
34	22	97.298	30.208,822	660.851,236	21,876	21,412	84	72	26.630	1.480,422	7.250,162	4,897	4,433
35	23	97.179	29.151,496	630.642,414	21,633	21,169	85	73	23.267	1.249,696	5.769,740	4,617	4,153
36	24	97.052	28.128,881	601.490,918	21,383	20,919	86	74	20.144	1.045,385	4.520,043	4,324	3,860
37	25	96.916	27.139,608	573.362,037	21,126	20,662	87	75	17.078	856,295	3.474,658	4,058	3,594
38	26	96.775	26.183,719	546.222,429	20,861	20,397	88	76	14.137	684,865	2.618,363	3,823	3,359
39	27	96.615	25.256,347	520.038,710	20,590	20,126	89	77	11.456	536,207	1.933,499	3,606	3,142
40	28	96.438	24.357,556	494.782,364	20,313	19,849	90	78	9.090	411,102	1.397,292	3,399	2,935
41	29	96.243	23.486,367	470.424,808	20,030	19,566	91	79	7.055	308,274	986,189	3,199	2,735
42	30	96.032	22.642,405	446.938,440	19,739	19,275	92	80	5.321	224,632	677,916	3,018	2,554
43	31	95.789	21.821,323	424.296,035	19,444	18,980	93	81	3.898	158,994	453,284	2,851	2,387
44	32	95.518	21.023,698	402.474,712	19,144	18,680	94	82	2.769	109,130	294,290	2,697	2,233
45	33	95.228	20.251,053	381.451,014	18,836	18,372	95	83	1.901	72,402	185,161	2,557	2,093
46	34	94.897	19.498,234	361.199,961	18,525	18,061	96	84	1.263	46,463	112,759	2,427	1,963
47	35	94.530	18.766,127	341.701,727	18,208	17,744	97	85	809	28,752	66,296	2,306	1,842
48	36	94.128	18.054,319	322.935,600	17,887	17,423	98	86	500	17,177	37,544	2,186	1,722
49	37	93.691	17.362,749	304.881,281	17,560	17,095	99	87	296	9,812	20,367	2,076	1,612
							100	88	166	5,333	10,554	1,979	1,515

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 13 Jahre

Zinsfuß 3,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	37	93.270	16.700,309	288.479,477	17,274	16,810
1							51	38	92.751	16.045,761	271.779,168	16,938	16,474
2							52	39	92.206	15.412,044	255.733,407	16,593	16,129
3							53	40	91.592	14.791,684	240.321,363	16,247	15,783
4							54	41	90.937	14.189,296	225.529,679	15,894	15,430
5							55	42	90.230	13.602,918	211.340,382	15,536	15,072
6							56	43	89.454	13.029,865	197.737,465	15,176	14,712
7							57	44	88.638	12.474,438	184.707,600	14,807	14,343
8							58	45	87.749	11.931,676	172.233,163	14,435	13,971
9							59	46	86.775	11.400,215	160.301,487	14,061	13,597
10							60	47	85.709	10.879,349	148.901,271	13,687	13,223
11							61	48	84.579	10.372,896	138.021,922	13,306	12,842
12							62	49	83.386	9.880,753	127.649,026	12,919	12,455
13	0	99.357	63.529,120	1.619.327,897	25,490	25,026	63	50	82.065	9.395,364	117.768,273	12,535	12,071
14	1	98.967	61.139,805	1.555.798,777	25,447	24,983	64	51	80.674	8.923,861	108.372,909	12,144	11,680
15	2	98.913	59.040,225	1.494.658,972	25,316	24,852	65	52	79.181	8.462,449	99.449,048	11,752	11,288
16	3	98.870	57.018,964	1.435.618,748	25,178	24,714	66	53	77.559	8.008,801	90.986,599	11,361	10,897
17	4	98.815	55.060,233	1.378.599,784	25,038	24,574	67	54	75.834	7.565,944	82.977,798	10,967	10,503
18	5	98.752	53.164,461	1.323.539,551	24,895	24,431	68	55	73.952	7.128,626	75.411,854	10,579	10,115
19	6	98.665	51.320,958	1.270.375,090	24,754	24,290	69	56	71.930	6.699,275	68.283,228	10,193	9,729
20	7	98.576	49.540,965	1.219.054,132	24,607	24,143	70	57	69.797	6.280,728	61.583,953	9,805	9,341
21	8	98.493	47.825,111	1.169.513,167	24,454	23,990	71	58	67.504	5.868,967	55.303,225	9,423	8,959
22	9	98.406	46.167,173	1.121.688,056	24,296	23,832	72	59	65.063	5.465,485	49.434,258	9,045	8,581
23	10	98.325	44.569,453	1.075.520,883	24,131	23,667	73	60	62.453	5.068,855	43.968,773	8,674	8,210
24	11	98.244	43.026,737	1.030.951,430	23,961	23,497	74	61	59.701	4.681,588	38.899,918	8,309	7,845
25	12	98.164	41.537,667	987.924,693	23,784	23,320	75	62	56.844	4.306,861	34.218,330	7,945	7,481
26	13	98.084	40.100,250	946.387,026	23,601	23,137	76	63	53.875	3.943,847	29.911,469	7,584	7,120
27	14	98.004	38.712,743	906.286,777	23,411	22,947	77	64	50.839	3.595,766	25.967,622	7,222	6,758
28	15	97.922	37.372,512	867.574,034	23,214	22,750	78	65	47.705	3.259,992	22.371,856	6,863	6,399
29	16	97.833	36.075,719	830.201,522	23,013	22,549	79	66	44.443	2.934,388	19.111,864	6,513	6,049
30	17	97.743	34.823,875	794.125,803	22,804	22,340	80	67	41.108	2.622,388	16.177,476	6,169	5,705
31	18	97.651	33.614,278	759.301,928	22,589	22,125	81	68	37.666	2.321,565	13.555,088	5,839	5,375
32	19	97.545	32.442,584	725.687,649	22,368	21,904	82	69	34.178	2.035,344	11.233,523	5,519	5,055
33	20	97.438	31.311,130	693.245,066	22,141	21,677	83	70	30.575	1.759,198	9.198,178	5,229	4,765
34	21	97.322	30.216,215	661.933,936	21,907	21,443	84	71	27.069	1.504,819	7.438,981	4,943	4,479
35	22	97.205	29.159,391	631.717,721	21,664	21,200	85	72	23.694	1.272,641	5.934,162	4,663	4,199
36	23	97.077	28.136,222	602.558,330	21,416	20,952	86	73	20.563	1.067,125	4.661,521	4,368	3,904
37	24	96.943	27.146,983	574.422,109	21,160	20,696	87	74	17.476	876,240	3.594,396	4,102	3,638
38	25	96.799	26.190,164	547.275,126	20,896	20,432	88	75	14.513	703,094	2.718,157	3,866	3,402
39	26	96.642	25.263,419	521.084,962	20,626	20,162	89	76	11.797	552,192	2.015,062	3,649	3,185
40	27	96.466	24.364,657	495.821,543	20,350	19,886	90	77	9.396	424,926	1.462,870	3,443	2,979
41	28	96.272	23.493,341	471.456,886	20,068	19,604	91	78	7.327	320,139	1.037,944	3,242	2,778
42	29	96.060	22.649,035	447.963,545	19,778	19,314	92	79	5.555	234,496	717,806	3,061	2,597
43	30	95.820	21.828,470	425.314,511	19,484	19,020	93	80	4.098	167,136	483,310	2,892	2,428
44	31	95.552	21.031,211	403.486,041	19,185	18,721	94	81	2.933	115,572	316,174	2,736	2,272
45	32	95.262	20.258,256	382.454,830	18,879	18,415	95	82	2.033	77,404	200,602	2,592	2,128
46	33	94.935	19.506,028	362.196,574	18,568	18,104	96	83	1.360	50,049	123,198	2,462	1,998
47	34	94.575	18.774,929	342.690,545	18,253	17,789	97	84	880	31,265	73,149	2,340	1,876
48	35	94.176	18.063,567	323.915,616	17,932	17,468	98	85	548	18,810	41,884	2,227	1,763
49	36	93.744	17.372,573	305.852,049	17,605	17,141	99	86	329	10,912	23,074	2,114	1,650
							100	87	189	6,046	12,161	2,011	1,547

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 14 Jahre

Zinsfuß 3,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	36	93.323	16.709,757	289.359,190	17,317	16,853
1							51	37	92.808	16.055,607	272.649,432	16,982	16,518
2							52	38	92.270	15.422,832	256.593,825	16,637	16,173
3							53	39	91.665	14.803,531	241.170,993	16,291	15,827
4							54	40	91.016	14.201,652	226.367,462	15,940	15,475
5							55	41	90.319	13.616,377	212.165,811	15,582	15,118
6							56	42	89.555	13.044,536	198.549,434	15,221	14,757
7							57	43	88.753	12.490,651	185.504,898	14,852	14,387
8							58	44	87.871	11.948,308	173.014,247	14,480	14,016
9							59	45	86.913	11.418,325	161.065,939	14,106	13,642
10							60	46	85.863	10.898,924	149.647,614	13,730	13,266
11							61	47	84.744	10.393,107	138.748,691	13,350	12,886
12							62	48	83.563	9.901,744	128.355,584	12,963	12,499
13							63	49	82.263	9.418,030	118.453,840	12,577	12,113
14	0	99.344	61.372,833	1.557.158,734	25,372	24,908	64	50	80.879	8.946,466	109.035,810	12,188	11,724
15	1	98.948	59.061,377	1.495.785,900	25,326	24,862	65	51	79.401	8.486,017	100.089,344	11,795	11,331
16	2	98.890	57.030,239	1.436.724,523	25,192	24,728	66	52	77.794	8.033,087	91.603,327	11,403	10,939
17	3	98.832	55.069,686	1.379.694,284	25,054	24,590	67	53	76.075	7.589,909	83.570,240	11,011	10,547
18	4	98.765	53.171,329	1.324.624,599	24,912	24,448	68	54	74.210	7.153,508	75.980,331	10,621	10,157
19	5	98.678	51.327,668	1.271.453,270	24,771	24,307	69	55	72.204	6.724,741	68.826,823	10,235	9,771
20	6	98.585	49.545,530	1.220.125,602	24,626	24,162	70	56	70.078	6.306,045	62.102,083	9,848	9,384
21	7	98.501	47.829,276	1.170.580,072	24,474	24,010	71	57	67.806	5.895,278	55.796,038	9,465	9,001
22	8	98.415	46.171,605	1.122.750,796	24,317	23,853	72	58	65.378	5.491,932	49.900,760	9,086	8,622
23	9	98.332	44.572,333	1.076.579,191	24,154	23,690	73	59	62.772	5.094,755	44.408,828	8,717	8,253
24	10	98.252	43.030,355	1.032.006,858	23,983	23,519	74	60	60.031	4.707,500	39.314,072	8,351	7,887
25	11	98.173	41.541,563	988.976,502	23,807	23,343	75	61	57.166	4.331,234	34.606,573	7,990	7,526
26	12	98.092	40.103,656	947.434,940	23,625	23,161	76	62	54.216	3.968,823	30.275,338	7,628	7,164
27	13	98.013	38.716,494	907.331,284	23,435	22,971	77	63	51.187	3.620,391	26.306,516	7,266	6,802
28	14	97.934	37.376,867	868.614,790	23,239	22,775	78	64	48.056	3.284,007	22.686,124	6,908	6,444
29	15	97.850	36.082,166	831.237,923	23,037	22,573	79	65	44.809	2.958,551	19.402,117	6,558	6,094
30	16	97.764	34.831,252	795.155,757	22,829	22,365	80	66	41.484	2.646,355	16.443,566	6,214	5,750
31	17	97.672	33.621,676	760.324,505	22,614	22,150	81	67	38.053	2.345,407	13.797,211	5,883	5,419
32	18	97.573	32.451,917	726.702,829	22,393	21,929	82	68	34.573	2.058,893	11.451,804	5,562	5,098
33	19	97.465	31.319,812	694.250,913	22,167	21,702	83	69	30.970	1.781,932	9.392,911	5,271	4,807
34	20	97.353	30.225,762	662.931,101	21,933	21,469	84	70	27.459	1.526,516	7.610,980	4,986	4,522
35	21	97.229	29.166,527	632.705,339	21,693	21,229	85	71	24.084	1.293,613	6.084,464	4,703	4,239
36	22	97.104	28.143,841	603.538,812	21,445	20,981	86	72	20.940	1.086,718	4.790,851	4,409	3,945
37	23	96.968	27.154,068	575.394,971	21,190	20,726	87	73	17.839	894,462	3.704,133	4,141	3,677
38	24	96.825	26.197,281	548.240,903	20,927	20,463	88	74	14.851	719,470	2.809,671	3,905	3,441
39	25	96.666	25.269,637	522.043,622	20,659	20,195	89	75	12.111	566,890	2.090,200	3,687	3,223
40	26	96.493	24.371,480	496.773,985	20,383	19,919	90	76	9.676	437,594	1.523,310	3,481	3,017
41	27	96.300	23.500,189	472.402,505	20,102	19,638	91	77	7.573	330,904	1.085,716	3,281	2,817
42	28	96.089	22.655,759	448.902,316	19,814	19,350	92	78	5.768	243,521	754,813	3,100	2,636
43	29	95.849	21.834,861	426.246,557	19,521	19,057	93	79	4.277	174,475	511,291	2,930	2,466
44	30	95.583	21.038,099	404.411,696	19,223	18,759	94	80	3.083	121,490	336,816	2,772	2,308
45	31	95.296	20.265,495	383.373,596	18,918	18,454	95	81	2.153	81,974	215,326	2,627	2,163
46	32	94.968	19.512,967	363.108,101	18,609	18,145	96	82	1.454	53,507	133,352	2,492	2,028
47	33	94.612	18.782,434	343.595,135	18,293	17,829	97	83	947	33,678	79,845	2,371	1,907
48	34	94.220	18.072,039	324.812,700	17,973	17,509	98	84	596	20,454	46,167	2,257	1,793
49	35	93.792	17.381,471	306.740,661	17,648	17,184	99	85	360	11,950	25,713	2,152	1,688
							100	86	210	6,724	13,763	2,047	1,583

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 15 Jahre

Zinsfuß 3,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	35	93.371	16.718,316	290.164,404	17,356	16,892
1							51	36	92.860	16.064,691	273.446,087	17,022	16,558
2							52	37	92.327	15.432,296	257.381,396	16,678	16,214
3							53	38	91.729	14.813,893	241.949,101	16,333	15,869
4							54	39	91.089	14.213,026	227.135,208	15,981	15,517
5							55	40	90.398	13.628,234	212.922,182	15,624	15,160
6							56	41	89.643	13.057,443	199.293,948	15,263	14,799
7							57	42	88.853	12.504,714	186.236,506	14,893	14,429
8							58	43	87.985	11.963,837	173.731,791	14,521	14,057
9							59	44	87.034	11.434,242	161.767,954	14,148	13,684
10							60	45	85.999	10.916,237	150.333,712	13,772	13,308
11							61	46	84.896	10.411,806	139.417,476	13,390	12,926
12							62	47	83.726	9.921,037	129.005,669	13,003	12,539
13							63	48	82.437	9.438,038	119.084,632	12,618	12,153
14							64	49	81.074	8.968,049	109.646,594	12,226	11,762
15	0	99.326	59.286,484	1.497.046,172	25,251	24,787	65	50	79.602	8.507,512	100.678,545	11,834	11,370
16	1	98.925	57.050,672	1.437.759,688	25,201	24,737	66	51	78.011	8.055,459	92.171,033	11,442	10,978
17	2	98.852	55.080,576	1.380.709,017	25,067	24,603	67	52	76.305	7.612,925	84.115,574	11,049	10,585
18	3	98.782	53.180,457	1.325.628,441	24,927	24,463	68	53	74.445	7.176,167	76.502,649	10,661	10,197
19	4	98.690	51.334,298	1.272.447,984	24,787	24,323	69	54	72.456	6.748,213	69.326,482	10,273	9,809
20	5	98.598	49.552,008	1.221.113,686	24,643	24,179	70	55	70.344	6.330,016	62.578,270	9,886	9,422
21	6	98.510	47.833,684	1.171.561,679	24,492	24,028	71	56	68.079	5.919,042	56.248,254	9,503	9,039
22	7	98.424	46.175,627	1.123.727,995	24,336	23,872	72	57	65.671	5.516,553	50.329,212	9,123	8,659
23	8	98.341	44.576,612	1.077.552,368	24,173	23,709	73	58	63.076	5.119,409	44.812,660	8,753	8,289
24	9	98.259	43.033,136	1.032.975,756	24,004	23,540	74	59	60.338	4.731,554	39.693,251	8,389	7,925
25	10	98.181	41.545,056	989.942,620	23,828	23,364	75	60	57.482	4.355,207	34.961,697	8,028	7,564
26	11	98.101	40.107,417	948.397,564	23,646	23,182	76	61	54.523	3.991,283	30.606,491	7,668	7,204
27	12	98.022	38.719,782	908.290,147	23,458	22,994	77	62	51.511	3.643,318	26.615,208	7,305	6,841
28	13	97.943	37.380,489	869.570,365	23,263	22,799	78	63	48.386	3.306,497	22.971,890	6,947	6,483
29	14	97.862	36.086,371	832.189,875	23,061	22,597	79	64	45.139	2.980,346	19.665,392	6,598	6,134
30	15	97.782	34.837,476	796.103,505	22,852	22,388	80	65	41.825	2.668,147	16.685,046	6,253	5,789
31	16	97.693	33.628,797	761.266,029	22,637	22,173	81	66	38.401	2.366,842	14.016,899	5,922	5,458
32	17	97.595	32.459,058	727.637,231	22,417	21,953	82	67	34.928	2.080,036	11.650,057	5,601	5,137
33	18	97.493	31.328,822	695.178,173	22,190	21,726	83	68	31.328	1.802,549	9.570,021	5,309	4,845
34	19	97.380	30.234,143	663.849,351	21,957	21,493	84	69	27.814	1.546,243	7.767,472	5,023	4,559
35	20	97.260	29.175,742	633.615,209	21,717	21,253	85	70	24.432	1.312,265	6.221,229	4,741	4,277
36	21	97.128	28.150,729	604.439,466	21,472	21,008	86	71	21.286	1.104,626	4.908,964	4,444	3,980
37	22	96.994	27.161,422	576.288,737	21,217	20,753	87	72	18.167	910,884	3.804,338	4,177	3,713
38	23	96.851	26.204,118	549.127,316	20,956	20,492	88	73	15.160	734,433	2.893,453	3,940	3,476
39	24	96.692	25.276,504	522.923,198	20,688	20,224	89	74	12.393	580,094	2.159,021	3,722	3,258
40	25	96.517	24.377,478	497.646,694	20,414	19,950	90	75	9.934	449,242	1.578,927	3,515	3,051
41	26	96.327	23.506,770	473.269,215	20,133	19,669	91	76	7.799	340,768	1.129,685	3,315	2,851
42	27	96.117	22.662,364	449.762,445	19,846	19,382	92	77	5.962	251,710	788,917	3,134	2,670
43	28	95.877	21.841,344	427.100,081	19,555	19,091	93	78	4.442	181,190	537,207	2,965	2,501
44	29	95.611	21.044,259	405.258,737	19,257	18,793	94	79	3.218	126,825	356,016	2,807	2,343
45	30	95.327	20.272,133	384.214,478	18,953	18,489	95	80	2.263	86,172	229,191	2,660	2,196
46	31	95.002	19.519,939	363.942,345	18,645	18,181	96	81	1.540	56,666	143,019	2,524	2,060
47	32	94.646	18.789,115	344.422,406	18,331	17,867	97	82	1.013	36,005	86,354	2,398	1,934
48	33	94.258	18.079,263	325.633,291	18,011	17,547	98	83	642	22,033	50,349	2,285	1,821
49	34	93.836	17.389,624	307.554,027	17,686	17,222	99	84	392	12,994	28,316	2,179	1,715
							100	85	230	7,363	15,322	2,081	1,617

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 16 Jahre

Zinsfuß 3,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	34	93.414	16.726,158	290.901,423	17,392	16,928
1							51	35	92.908	16.072,919	274.175,265	17,058	16,594
2							52	36	92.379	15.441,027	258.102,346	16,715	16,251
3							53	37	91.786	14.822,983	242.661,319	16,371	15,907
4							54	38	91.153	14.222,975	227.838,336	16,019	15,555
5							55	39	90.470	13.639,148	213.615,361	15,662	15,198
6							56	40	89.721	13.068,812	199.976,213	15,302	14,838
7							57	41	88.941	12.517,087	186.907,401	14,932	14,468
8							58	42	88.085	11.977,308	174.390,313	14,560	14,096
9							59	43	87.147	11.449,103	162.413,005	14,186	13,722
10							60	44	86.119	10.931,453	150.963,903	13,810	13,346
11							61	45	85.031	10.428,346	140.032,449	13,428	12,964
12							62	46	83.876	9.938,887	129.604,103	13,040	12,576
13							63	47	82.598	9.456,428	119.665,216	12,654	12,190
14							64	48	81.246	8.987,101	110.208,789	12,263	11,799
15							65	49	79.794	8.528,036	101.221,687	11,869	11,405
16	0	99.302	57.268,115	1.438.928,157	25,126	24,662	66	50	78.208	8.075,864	92.693,651	11,478	11,014
17	1	98.887	55.100,309	1.381.660,042	25,075	24,611	67	51	76.518	7.634,126	84.617,787	11,084	10,620
18	2	98.802	53.190,974	1.326.559,733	24,940	24,476	68	52	74.671	7.197,928	76.983,661	10,695	10,231
19	3	98.707	51.343,111	1.273.368,759	24,801	24,337	69	53	72.685	6.769,588	69.785,733	10,309	9,845
20	4	98.611	49.558,408	1.222.025,649	24,658	24,194	70	54	70.590	6.352,110	63.016,145	9,921	9,456
21	5	98.523	47.839,937	1.172.467,240	24,508	24,044	71	55	68.338	5.941,541	56.664,035	9,537	9,073
22	6	98.433	46.179,882	1.124.627,303	24,353	23,889	72	56	65.936	5.538,789	50.722,494	9,158	8,694
23	7	98.350	44.580,495	1.078.447,421	24,191	23,727	73	57	63.359	5.142,359	45.183,705	8,787	8,323
24	8	98.268	43.037,267	1.033.866,926	24,023	23,559	74	58	60.630	4.754,449	40.041,345	8,422	7,958
25	9	98.187	41.547,741	990.829,659	23,848	23,384	75	59	57.776	4.377,461	35.286,896	8,061	7,597
26	10	98.109	40.110,790	949.281,918	23,666	23,202	76	60	54.825	4.013,374	30.909,435	7,702	7,238
27	11	98.031	38.723,414	909.171,128	23,479	23,015	77	61	51.803	3.663,936	26.896,061	7,341	6,877
28	12	97.952	37.383,664	870.447,714	23,284	22,820	78	62	48.692	3.327,437	23.232,125	6,982	6,518
29	13	97.871	36.089,868	833.064,050	23,083	22,619	79	63	45.448	3.000,757	19.904,688	6,633	6,169
30	14	97.793	34.841,536	796.974,183	22,874	22,410	80	64	42.133	2.687,802	16.903,932	6,289	5,825
31	15	97.710	33.634,807	762.132,647	22,659	22,195	81	65	38.717	2.386,332	14.216,129	5,957	5,493
32	16	97.616	32.465,934	728.497,840	22,439	21,975	82	66	35.248	2.099,047	11.829,797	5,636	5,172
33	17	97.515	31.335,716	696.031,906	22,212	21,748	83	67	31.650	1.821,060	9.730,751	5,343	4,879
34	18	97.408	30.242,840	664.696,190	21,979	21,515	84	68	28.136	1.564,133	7.909,691	5,057	4,593
35	19	97.287	29.183,832	634.453,350	21,740	21,276	85	69	24.747	1.329,224	6.345,558	4,774	4,310
36	20	97.158	28.159,623	605.269,517	21,494	21,030	86	70	21.592	1.120,553	5.016,334	4,477	4,013
37	21	97.018	27.168,069	577.109,894	21,242	20,778	87	71	18.466	925,895	3.895,781	4,208	3,744
38	22	96.877	26.211,214	549.941,825	20,981	20,517	88	72	15.438	747,917	2.969,886	3,971	3,507
39	23	96.717	25.283,101	523.730,611	20,715	20,251	89	73	12.651	592,158	2.221,969	3,752	3,288
40	24	96.543	24.384,103	498.447,510	20,441	19,977	90	74	10.165	459,705	1.629,811	3,545	3,081
41	25	96.351	23.512,556	474.063,407	20,162	19,698	91	75	8.006	349,839	1.170,106	3,345	2,881
42	26	96.144	22.668,710	450.550,851	19,875	19,411	92	76	6.140	259,214	820,267	3,164	2,700
43	27	95.905	21.847,711	427.882,141	19,585	19,121	93	77	4.591	187,283	561,053	2,996	2,532
44	28	95.640	21.050,507	406.034,430	19,289	18,825	94	78	3.342	131,707	373,770	2,838	2,374
45	29	95.355	20.278,068	384.983,923	18,985	18,521	95	79	2.362	89,956	242,064	2,691	2,227
46	30	95.034	19.526,332	364.705,855	18,678	18,214	96	80	1.619	59,568	152,108	2,554	2,090
47	31	94.680	18.795,829	345.179,522	18,365	17,901	97	81	1.073	38,130	92,540	2,427	1,963
48	32	94.291	18.085,694	326.383,693	18,047	17,582	98	82	686	23,555	54,410	2,310	1,846
49	33	93.873	17.396,575	308.297,999	17,722	17,258	99	83	422	13,997	30,855	2,204	1,740
							100	84	250	8,007	16,858	2,105	1,641

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 17 Jahre

Zinsfuß 3,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	33	93.452	16.732,844	291.575,544	17,425	16,961
1							51	34	92.951	16.080,458	274.842,701	17,092	16,628
2							52	35	92.427	15.448,936	258.762,242	16,750	16,285
3							53	36	91.837	14.831,370	243.313,306	16,405	15,941
4							54	37	91.209	14.231,702	228.481,937	16,054	15,590
5							55	38	90.534	13.648,696	214.250,235	15,697	15,233
6							56	39	89.793	13.079,279	200.601,539	15,337	14,873
7							57	40	89.019	12.527,986	187.522,260	14,968	14,504
8							58	41	88.172	11.989,159	174.994,273	14,596	14,132
9							59	42	87.245	11.461,994	163.005,114	14,221	13,757
10							60	43	86.231	10.945,661	151.543,121	13,845	13,381
11							61	44	85.149	10.442,883	140.597,459	13,463	12,999
12							62	45	84.010	9.954,675	130.154,577	13,075	12,611
13							63	46	82.747	9.473,442	120.199,902	12,688	12,224
14							64	47	81.404	9.004,612	110.726,460	12,297	11,833
15							65	48	79.964	8.546,154	101.721,848	11,903	11,439
16							66	49	78.397	8.095,347	93.175,694	11,510	11,046
17	0	99.264	55.310,319	1.382.743,946	25,000	24,536	67	50	76.712	7.653,464	85.080,347	11,117	10,653
18	1	98.837	53.210,030	1.327.433,626	24,947	24,483	68	51	74.879	7.217,974	77.426,883	10,727	10,263
19	2	98.727	51.353,264	1.274.223,596	24,813	24,349	69	52	72.906	6.790,116	70.208,909	10,340	9,876
20	3	98.628	49.566,916	1.222.870,332	24,671	24,207	70	53	70.813	6.372,230	63.418,794	9,952	9,488
21	4	98.536	47.846,117	1.173.303,416	24,522	24,058	71	54	68.577	5.962,280	57.046,563	9,568	9,104
22	5	98.446	46.185,919	1.125.457,299	24,368	23,904	72	55	66.186	5.559,844	51.084,284	9,188	8,724
23	6	98.359	44.584,603	1.079.271,379	24,207	23,743	73	56	63.614	5.163,088	45.524,440	8,817	8,353
24	7	98.277	43.041,016	1.034.686,777	24,040	23,576	74	57	60.902	4.775,764	40.361,352	8,451	7,987
25	8	98.197	41.551,730	991.645,761	23,865	23,401	75	58	58.056	4.398,643	35.585,588	8,090	7,626
26	9	98.116	40.113,382	950.094,031	23,685	23,221	76	59	55.105	4.033,881	31.186,945	7,731	7,267
27	10	98.039	38.726,671	909.980,649	23,498	23,033	77	60	52.090	3.684,215	27.153,064	7,370	6,906
28	11	97.961	37.387,170	871.253,979	23,304	22,840	78	61	48.967	3.346,267	23.468,849	7,013	6,549
29	12	97.880	36.092,933	833.866,809	23,103	22,639	79	62	45.736	3.019,760	20.122,582	6,664	6,200
30	13	97.802	34.844,912	797.773,876	22,895	22,431	80	63	42.422	2.706,209	17.102,822	6,320	5,856
31	14	97.722	33.638,727	762.928,964	22,680	22,216	81	64	39.002	2.403,911	14.396,612	5,989	5,525
32	15	97.633	32.471,736	729.290,237	22,459	21,995	82	65	35.538	2.116,332	11.992,701	5,667	5,203
33	16	97.536	31.342,354	696.818,502	22,232	21,768	83	66	31.939	1.837,703	9.876,369	5,374	4,910
34	17	97.429	30.249,496	665.476,148	22,000	21,536	84	67	28.425	1.580,196	8.038,667	5,087	4,623
35	18	97.315	29.192,228	635.226,652	21,760	21,296	85	68	25.034	1.344,603	6.458,471	4,803	4,339
36	19	97.185	28.167,431	606.034,424	21,515	21,051	86	69	21.872	1.135,034	5.113,868	4,505	4,041
37	20	97.049	27.176,653	577.866,993	21,263	20,799	87	70	18.732	939,245	3.978,834	4,236	3,772
38	21	96.901	26.217,629	550.690,340	21,005	20,541	88	71	15.693	760,242	3.039,589	3,998	3,534
39	22	96.743	25.289,948	524.472,711	20,738	20,274	89	72	12.883	603,030	2.279,347	3,780	3,316
40	23	96.568	24.390,466	499.182,763	20,466	20,002	90	73	10.376	469,265	1.676,317	3,572	3,108
41	24	96.377	23.518,946	474.792,297	20,188	19,724	91	74	8.193	357,987	1.207,052	3,372	2,908
42	25	96.168	22.674,290	451.273,351	19,902	19,438	92	75	6.303	266,114	849,064	3,191	2,727
43	26	95.932	21.853,829	428.599,062	19,612	19,148	93	76	4.728	192,866	582,951	3,023	2,559
44	27	95.668	21.056,644	406.745,233	19,317	18,853	94	77	3.454	136,135	390,084	2,865	2,401
45	28	95.383	20.284,089	385.688,589	19,014	18,550	95	78	2.453	93,418	253,949	2,718	2,254
46	29	95.061	19.532,050	365.404,500	18,708	18,244	96	79	1.690	62,184	160,531	2,582	2,118
47	30	94.711	18.801,985	345.872,450	18,396	17,932	97	80	1.128	40,083	98,347	2,454	1,990
48	31	94.325	18.092,157	327.070,465	18,078	17,614	98	81	726	24,946	58,265	2,336	1,872
49	32	93.906	17.402,763	308.978,308	17,755	17,291	99	82	451	14,964	33,319	2,227	1,763
							100	83	269	8,625	18,355	2,128	1,664

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 18 Jahre

Zinsfuß 3,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	32	93.485	16.738,796	292.191,963	17,456	16,992
1							51	33	92.989	16.086,886	275.453,167	17,123	16,659
2							52	34	92.470	15.456,182	259.366,281	16,781	16,317
3							53	35	91.884	14.838,966	243.910,099	16,437	15,973
4							54	36	91.260	14.239,754	229.071,132	16,087	15,623
5							55	37	90.589	13.657,071	214.831,378	15,730	15,266
6							56	38	89.856	13.088,435	201.174,308	15,370	14,906
7							57	39	89.090	12.538,020	188.085,873	15,001	14,537
8							58	40	88.248	11.999,598	175.547,853	14,629	14,165
9							59	41	87.331	11.473,335	163.548,255	14,255	13,791
10							60	42	86.328	10.957,985	152.074,920	13,878	13,414
11							61	43	85.260	10.456,455	141.116,934	13,496	13,032
12							62	44	84.127	9.968,551	130.660,479	13,107	12,643
13							63	45	82.878	9.488,491	120.691,928	12,720	12,256
14							64	46	81.551	9.020,813	111.203,437	12,327	11,863
15							65	47	80.120	8.562,805	102.182,623	11,933	11,469
16							66	48	78.563	8.112,545	93.619,818	11,540	11,076
17							67	49	76.897	7.671,928	85.507,273	11,145	10,681
18	0	99.214	53.412,835	1.328.439,617	24,871	24,407	68	50	75.069	7.236,257	77.835,345	10,756	10,292
19	1	98.762	51.371,662	1.275.026,782	24,820	24,356	69	51	73.109	6.809,026	70.599,088	10,368	9,904
20	2	98.647	49.576,718	1.223.655,120	24,682	24,218	70	52	71.028	6.391,553	63.790,062	9,980	9,516
21	3	98.553	47.854,331	1.174.078,401	24,534	24,070	71	53	68.794	5.981,165	57.398,509	9,597	9,133
22	4	98.459	46.191,885	1.126.224,070	24,381	23,917	72	54	66.417	5.579,250	51.417,343	9,216	8,752
23	5	98.372	44.590,432	1.080.032,185	24,221	23,757	73	55	63.856	5.182,714	45.838,093	8,844	8,380
24	6	98.286	43.044,982	1.035.441,753	24,055	23,591	74	56	61.147	4.795,015	40.655,379	8,479	8,015
25	7	98.205	41.555,349	992.396,771	23,881	23,417	75	57	58.316	4.418,362	35.860,365	8,116	7,652
26	8	98.125	40.117,233	950.841,422	23,702	23,238	76	58	55.371	4.053,401	31.442,002	7,757	7,293
27	9	98.046	38.729,173	910.724,190	23,515	23,051	77	59	52.356	3.703,041	27.388,602	7,396	6,932
28	10	97.969	37.390,314	871.995,016	23,321	22,857	78	60	49.239	3.364,788	23.685,561	7,039	6,575
29	11	97.889	36.096,318	834.604,702	23,122	22,658	79	61	45.995	3.036,849	20.320,773	6,691	6,227
30	12	97.811	34.847,872	798.508,384	22,914	22,450	80	62	42.690	2.723,347	17.283,924	6,347	5,883
31	13	97.731	33.641,986	763.660,512	22,700	22,236	81	63	39.269	2.420,374	14.560,577	6,016	5,552
32	14	97.644	32.475,520	730.018,526	22,479	22,015	82	64	35.800	2.131,922	12.140,202	5,694	5,230
33	15	97.553	31.347,955	697.543,006	22,252	21,788	83	65	32.202	1.852,836	10.008,280	5,402	4,938
34	16	97.450	30.255,903	666.195,052	22,019	21,555	84	66	28.685	1.594,637	8.155,445	5,114	4,650
35	17	97.336	29.198,652	635.939,149	21,780	21,316	85	67	25.291	1.358,411	6.560,807	4,830	4,366
36	18	97.213	28.175,535	606.740,497	21,534	21,070	86	68	22.125	1.148,167	5.202,396	4,531	4,067
37	19	97.075	27.184,188	578.564,962	21,283	20,819	87	69	18.974	951,383	4.054,230	4,261	3,797
38	20	96.931	26.225,912	551.380,774	21,024	20,560	88	70	15.919	771,204	3.102,846	4,023	3,559
39	21	96.767	25.296,137	525.154,861	20,760	20,296	89	71	13.096	612,967	2.331,643	3,804	3,340
40	22	96.594	24.397,072	499.858,724	20,488	20,024	90	72	10.567	477,881	1.718,675	3,596	3,132
41	23	96.402	23.525,083	475.461,652	20,211	19,747	91	73	8.363	365,432	1.240,794	3,395	2,931
42	24	96.194	22.680,451	451.936,569	19,926	19,462	92	74	6.450	272,312	875,362	3,215	2,751
43	25	95.955	21.859,208	429.256,118	19,637	19,173	93	75	4.854	198,000	603,051	3,046	2,582
44	26	95.694	21.062,541	407.396,910	19,342	18,878	94	76	3.557	140,194	405,051	2,889	2,425
45	27	95.411	20.290,002	386.334,369	19,041	18,577	95	77	2.536	96,559	264,857	2,743	2,279
46	28	95.090	19.537,849	366.044,367	18,735	18,271	96	78	1.755	64,577	168,298	2,606	2,142
47	29	94.739	18.807,491	346.506,518	18,424	17,960	97	79	1.177	41,843	103,721	2,479	2,015
48	30	94.356	18.098,083	327.699,027	18,107	17,643	98	80	764	26,223	61,878	2,360	1,896
49	31	93.940	17.408,982	309.600,945	17,784	17,320	99	81	478	15,848	35,655	2,250	1,786
							100	82	288	9,221	19,807	2,148	1,684

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 19 Jahre

Zinsfuß 3,50%

Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	31	93.518	16.744,777	292.756,135	17,483	17,019
1							51	32	93.022	16.092,608	276.011,358	17,151	16,687
2							52	33	92.507	15.462,361	259.918,750	16,810	16,346
3							53	34	91.928	14.845,927	244.456,389	16,466	16,002
4							54	35	91.307	14.247,048	229.610,462	16,116	15,652
5							55	36	90.641	13.664,798	215.363,414	15,760	15,296
6							56	37	89.911	13.096,466	201.698,617	15,401	14,937
7							57	38	89.152	12.546,797	188.602,151	15,032	14,568
8							58	39	88.319	12.009,209	176.055,355	14,660	14,196
9							59	40	87.407	11.483,325	164.046,146	14,286	13,822
10							60	41	86.413	10.968,828	152.562,820	13,909	13,445
11							61	42	85.356	10.468,229	141.593,993	13,526	13,062
12							62	43	84.236	9.981,508	131.125,764	13,137	12,673
13							63	44	82.994	9.501,717	121.144,256	12,750	12,286
14							64	45	81.680	9.035,143	111.642,539	12,356	11,892
15							65	46	80.264	8.578,212	102.607,396	11,961	11,497
16							66	47	78.716	8.128,352	94.029,184	11,568	11,104
17							67	48	77.060	7.688,227	85.900,833	11,173	10,709
18							68	49	75.250	7.253,715	78.212,606	10,782	10,318
19	0	99.139	51.567,461	1.275.960,939	24,744	24,280	69	50	73.294	6.826,274	70.958,891	10,395	9,931
20	1	98.683	49.594,480	1.224.393,478	24,688	24,224	70	51	71.226	6.409,354	64.132,618	10,006	9,542
21	2	98.572	47.863,794	1.174.798,998	24,545	24,081	71	52	69.003	5.999,303	57.723,264	9,622	9,158
22	3	98.475	46.199,815	1.126.935,204	24,393	23,929	72	53	66.628	5.596,922	51.723,961	9,242	8,777
23	4	98.384	44.596,192	1.080.735,388	24,234	23,770	73	54	64.079	5.200,804	46.127,039	8,869	8,405
24	5	98.299	43.050,610	1.036.139,196	24,068	23,604	74	55	61.380	4.813,242	40.926,236	8,503	8,039
25	6	98.215	41.559,178	993.088,587	23,896	23,432	75	56	58.551	4.436,172	36.112,994	8,141	7,677
26	7	98.134	40.120,727	951.529,409	23,717	23,253	76	57	55.620	4.071,573	31.676,821	7,780	7,316
27	8	98.055	38.732,891	911.408,682	23,531	23,067	77	58	52.609	3.720,959	27.605,249	7,419	6,955
28	9	97.975	37.392,731	872.675,791	23,338	22,874	78	59	49.490	3.381,981	23.884,289	7,062	6,598
29	10	97.897	36.099,354	835.283,060	23,138	22,674	79	60	46.250	3.053,657	20.502,308	6,714	6,250
30	11	97.820	34.851,140	799.183,706	22,931	22,467	80	61	42.932	2.738,759	17.448,651	6,371	5,907
31	12	97.739	33.644,844	764.332,566	22,718	22,254	81	62	39.518	2.435,702	14.709,892	6,039	5,575
32	13	97.654	32.478,667	730.687,723	22,497	22,033	82	63	36.045	2.146,522	12.274,190	5,718	5,254
33	14	97.564	31.351,608	698.209,056	22,270	21,806	83	64	32.439	1.866,485	10.127,668	5,426	4,962
34	15	97.467	30.261,310	666.857,448	22,037	21,573	84	65	28.921	1.607,769	8.261,183	5,138	4,674
35	16	97.357	29.204,837	636.596,138	21,798	21,334	85	66	25.522	1.370,826	6.653,414	4,854	4,390
36	17	97.234	28.181,735	607.391,301	21,553	21,089	86	67	22.352	1.159,957	5.282,588	4,554	4,090
37	18	97.103	27.192,009	579.209,566	21,301	20,837	87	68	19.194	962,391	4.122,630	4,284	3,820
38	19	96.958	26.233,184	552.017,558	21,043	20,579	88	69	16.125	781,170	3.160,240	4,046	3,581
39	20	96.798	25.304,130	525.784,373	20,779	20,315	89	70	13.285	621,805	2.379,070	3,826	3,362
40	21	96.618	24.403,042	500.480,244	20,509	20,045	90	71	10.741	485,756	1.757,264	3,618	3,154
41	22	96.428	23.531,454	476.077,201	20,232	19,767	91	72	8.517	372,141	1.271,508	3,417	2,953
42	23	96.219	22.686,370	452.545,747	19,948	19,484	92	73	6.584	277,975	899,367	3,235	2,771
43	24	95.981	21.865,148	429.859,377	19,660	19,196	93	74	4.967	202,612	621,392	3,067	2,603
44	25	95.718	21.067,725	407.994,228	19,366	18,902	94	75	3.652	143,926	418,780	2,910	2,446
45	26	95.438	20.295,684	386.926,504	19,064	18,600	95	76	2.611	99,438	274,855	2,764	2,300
46	27	95.117	19.543,545	366.630,820	18,760	18,296	96	77	1.814	66,748	175,417	2,628	2,164
47	28	94.767	18.813,075	347.087,275	18,449	17,985	97	78	1.222	43,454	108,669	2,501	2,037
48	29	94.384	18.103,382	328.274,200	18,133	17,669	98	79	797	27,375	65,215	2,382	1,918
49	30	93.971	17.414,684	310.170,819	17,811	17,347	99	80	502	16,659	37,840	2,271	1,807
							100	81	305	9,765	21,181	2,169	1,705

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 20 Jahre

Zinsfuß 3,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	30	93.549	16.750,262	293.272,496	17,509	17,045
1							51	31	93.055	16.098,359	276.522,234	17,177	16,713
2							52	32	92.540	15.467,861	260.423,875	16,836	16,372
3							53	33	91.964	14.851,861	244.956,015	16,493	16,029
4							54	34	91.350	14.253,730	230.104,154	16,143	15,679
5							55	35	90.687	13.671,797	215.850,423	15,788	15,324
6							56	36	89.962	13.103,875	202.178,626	15,429	14,965
7							57	37	89.207	12.554,495	189.074,751	15,060	14,596
8							58	38	88.381	12.017,615	176.520,256	14,688	14,224
9							59	39	87.477	11.492,522	164.502,640	14,314	13,850
10							60	40	86.489	10.978,379	153.010,118	13,937	13,473
11							61	41	85.441	10.478,586	142.031,739	13,554	13,090
12							62	42	84.331	9.992,746	131.553,153	13,165	12,701
13							63	43	83.101	9.514,067	121.560,406	12,777	12,313
14							64	44	81.794	9.047,738	112.046,340	12,384	11,920
15							65	45	80.391	8.591,838	102.998,602	11,988	11,524
16							66	46	78.858	8.142,976	94.406,764	11,594	11,130
17							67	47	77.210	7.703,207	86.263,787	11,198	10,734
18							68	48	75.409	7.269,125	78.560,581	10,807	10,343
19							69	49	73.471	6.842,742	71.291,456	10,419	9,955
20	0	99.059	49.783,505	1.225.261,408	24,612	24,148	70	50	71.406	6.425,589	64.448,714	10,030	9,566
21	1	98.608	47.880,942	1.175.477,902	24,550	24,086	71	51	69.195	6.016,010	58.023,125	9,645	9,181
22	2	98.495	46.208,951	1.127.596,960	24,402	23,938	72	52	66.830	5.613,894	52.007,115	9,264	8,800
23	3	98.401	44.603,848	1.081.388,008	24,244	23,780	73	53	64.282	5.217,277	46.393,220	8,892	8,428
24	4	98.311	43.056,171	1.036.784,161	24,080	23,616	74	54	61.594	4.830,042	41.175,943	8,525	8,061
25	5	98.227	41.564,612	993.727,990	23,908	23,444	75	55	58.774	4.453,035	36.345,901	8,162	7,698
26	6	98.143	40.124,424	952.163,379	23,730	23,266	76	56	55.844	4.087,985	31.892,866	7,802	7,338
27	7	98.063	38.736,265	912.038,954	23,545	23,081	77	57	52.845	3.737,641	27.804,881	7,439	6,975
28	8	97.985	37.396,320	873.302,690	23,353	22,889	78	58	49.730	3.398,346	24.067,240	7,082	6,618
29	9	97.903	36.101,686	835.906,369	23,154	22,690	79	59	46.486	3.069,261	20.668,894	6,734	6,270
30	10	97.828	34.854,071	799.804,683	22,947	22,483	80	60	43.170	2.753,917	17.599,633	6,391	5,927
31	11	97.748	33.647,999	764.950,612	22,734	22,270	81	61	39.741	2.449,486	14.845,716	6,061	5,597
32	12	97.662	32.481,425	731.302,613	22,514	22,050	82	62	36.273	2.160,116	12.396,230	5,739	5,275
33	13	97.574	31.354,646	698.821,188	22,288	21,824	83	63	32.662	1.879,267	10.236,114	5,447	4,983
34	14	97.479	30.264,837	667.466,542	22,054	21,590	84	64	29.134	1.619,613	8.356,847	5,160	4,696
35	15	97.374	29.210,056	637.201,705	21,814	21,350	85	65	25.732	1.382,114	6.737,234	4,875	4,411
36	16	97.255	28.187,705	607.991,650	21,569	21,105	86	66	22.556	1.170,559	5.355,120	4,575	4,111
37	17	97.125	27.197,993	579.803,945	21,318	20,854	87	67	19.391	972,274	4.184,561	4,304	3,840
38	18	96.986	26.240,731	552.605,952	21,059	20,595	88	68	16.311	790,208	3.212,287	4,065	3,601
39	19	96.825	25.311,146	526.365,221	20,796	20,332	89	69	13.456	629,841	2.422,079	3,846	3,382
40	20	96.649	24.410,753	501.054,075	20,526	20,062	90	70	10.896	492,760	1.792,238	3,637	3,173
41	21	96.452	23.537,213	476.643,322	20,251	19,787	91	71	8.657	378,274	1.299,478	3,435	2,971
42	22	96.245	22.692,514	453.106,109	19,967	19,503	92	72	6.705	283,078	921,204	3,254	2,790
43	23	96.007	21.870,855	430.413,595	19,680	19,216	93	73	5.071	206,825	638,126	3,085	2,621
44	24	95.744	21.073,450	408.542,740	19,387	18,923	94	74	3.737	147,278	431,300	2,928	2,464
45	25	95.461	20.300,679	387.469,291	19,087	18,622	95	75	2.681	102,085	284,022	2,782	2,318
46	26	95.144	19.549,017	367.168,611	18,782	18,318	96	76	1.868	68,738	181,938	2,647	2,183
47	27	94.794	18.818,559	347.619,594	18,472	18,008	97	77	1.264	44,915	113,200	2,520	2,056
48	28	94.412	18.108,757	328.801,035	18,157	17,693	98	78	828	28,428	68,285	2,402	1,938
49	29	93.998	17.419,783	310.692,278	17,836	17,372	99	79	524	17,391	39,857	2,292	1,828
							100	80	320	10,265	22,466	2,189	1,725

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 21 Jahre

Zinsfuß 3,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	29	93.576	16.755,166	293.744,963	17,532	17,068
1							51	30	93.085	16.103,631	276.989,797	17,200	16,736
2							52	31	92.573	15.473,388	260.886,165	16,860	16,396
3							53	32	91.997	14.857,144	245.412,777	16,518	16,054
4							54	33	91.386	14.259,428	230.555,634	16,169	15,705
5							55	34	90.729	13.678,209	216.296,205	15,813	15,349
6							56	35	90.008	13.110,587	202.617,996	15,455	14,991
7							57	36	89.258	12.561,599	189.507,409	15,086	14,622
8							58	37	88.435	12.024,989	176.945,810	14,715	14,251
9							59	38	87.539	11.500,567	164.920,821	14,340	13,876
10							60	39	86.558	10.987,171	153.420,254	13,964	13,500
11							61	40	85.515	10.487,711	142.433,082	13,581	13,117
12							62	41	84.414	10.002,634	131.945,372	13,191	12,727
13							63	42	83.195	9.524,779	121.942,738	12,803	12,339
14							64	43	81.900	9.059,497	112.417,959	12,409	11,945
15							65	44	80.503	8.603,815	103.358,462	12,013	11,549
16							66	45	78.983	8.155,912	94.754,647	11,618	11,154
17							67	46	77.349	7.717,066	86.598,735	11,222	10,758
18							68	47	75.556	7.283,288	78.881,669	10,831	10,366
19							69	48	73.627	6.857,279	71.598,381	10,441	9,977
20							70	49	71.579	6.441,091	64.741,102	10,051	9,587
21	0	98.983	48.063,436	1.176.284,752	24,474	24,010	71	50	69.370	6.031,249	58.300,011	9,666	9,202
22	1	98.530	46.225,507	1.128.221,315	24,407	23,943	72	51	67.016	5.629,529	52.268,762	9,285	8,821
23	2	98.421	44.612,668	1.081.995,809	24,253	23,789	73	52	64.477	5.233,098	46.639,233	8,912	8,448
24	3	98.328	43.063,562	1.037.383,140	24,090	23,626	74	53	61.789	4.845,341	41.406,135	8,546	8,082
25	4	98.240	41.569,981	994.319,578	23,919	23,455	75	54	58.979	4.468,578	36.560,794	8,182	7,718
26	5	98.156	40.129,670	952.749,597	23,742	23,278	76	55	56.056	4.103,524	32.092,215	7,821	7,357
27	6	98.072	38.739,834	912.619,927	23,558	23,094	77	56	53.058	3.752,707	27.988,691	7,458	6,994
28	7	97.993	37.399,577	873.880,093	23,366	22,902	78	57	49.953	3.413,581	24.235,984	7,100	6,636
29	8	97.913	36.105,152	836.480,516	23,168	22,704	79	58	46.711	3.084,113	20.822,403	6,752	6,287
30	9	97.835	34.856,323	800.375,363	22,962	22,498	80	59	43.390	2.767,989	17.738,290	6,408	5,944
31	10	97.757	33.650,829	765.519,040	22,749	22,285	81	60	39.961	2.463,043	14.970,301	6,078	5,614
32	11	97.671	32.484,472	731.868,211	22,530	22,066	82	61	36.478	2.172,340	12.507,258	5,758	5,293
33	12	97.582	31.357,309	699.383,740	22,304	21,840	83	62	32.868	1.891,168	10.334,917	5,465	5,001
34	13	97.488	30.267,769	668.026,431	22,071	21,607	84	63	29.334	1.630,704	8.443,749	5,178	4,714
35	14	97.386	29.213,460	637.758,662	21,831	21,367	85	64	25.922	1.392,296	6.813,045	4,893	4,429
36	15	97.272	28.192,742	608.545,202	21,585	21,121	86	65	22.742	1.180,198	5.420,749	4,593	4,129
37	16	97.145	27.203,754	580.352,460	21,334	20,870	87	66	19.568	981,160	4.240,551	4,322	3,858
38	17	97.007	26.246,506	553.148,706	21,075	20,611	88	67	16.479	798,323	3.259,391	4,083	3,619
39	18	96.852	25.318,427	526.902,200	20,811	20,347	89	68	13.612	637,128	2.461,068	3,863	3,399
40	19	96.675	24.417,521	501.583,773	20,542	20,078	90	69	11.037	499,128	1.823,940	3,654	3,190
41	20	96.482	23.544,650	477.166,252	20,266	19,802	91	70	8.782	383,728	1.324,812	3,452	2,988
42	21	96.268	22.698,068	453.621,602	19,985	19,521	92	71	6.816	287,743	941,084	3,271	2,807
43	22	96.033	21.876,778	430.923,534	19,698	19,234	93	72	5.164	210,623	653,340	3,102	2,638
44	23	95.769	21.078,949	409.046,756	19,405	18,941	94	73	3.815	150,341	442,718	2,945	2,481
45	24	95.487	20.306,196	387.967,807	19,106	18,642	95	74	2.743	104,462	292,377	2,799	2,335
46	25	95.167	19.553,829	367.661,611	18,803	18,339	96	75	1.918	70,568	187,915	2,663	2,199
47	26	94.821	18.823,829	348.107,782	18,493	18,029	97	76	1.301	46,254	117,347	2,537	2,073
48	27	94.439	18.114,036	329.283,953	18,178	17,714	98	77	856	29,384	71,093	2,419	1,955
49	28	94.026	17.424,955	311.169,917	17,858	17,394	99	78	544	18,060	41,709	2,309	1,845
							100	79	334	10,716	23,649	2,207	1,743

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 22 Jahre

Zinsfuß 3,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	28	93.604	16.760,141	294.177,713	17,552	17,088
1							51	29	93.113	16.108,346	277.417,572	17,222	16,758
2							52	30	92.603	15.478,456	261.309,226	16,882	16,418
3							53	31	92.030	14.862,453	245.830,770	16,540	16,076
4							54	32	91.419	14.264,500	230.968,317	16,192	15,728
5							55	33	90.766	13.683,677	216.703,817	15,837	15,373
6							56	34	90.050	13.116,737	203.020,140	15,478	15,014
7							57	35	89.303	12.568,033	189.903,403	15,110	14,646
8							58	36	88.485	12.031,793	177.335,371	14,739	14,275
9							59	37	87.592	11.507,624	165.303,578	14,365	13,901
10							60	38	86.619	10.994,862	153.795,954	13,988	13,524
11							61	39	85.583	10.496,110	142.801,092	13,605	13,141
12							62	40	84.488	10.011,343	132.304,981	13,216	12,751
13							63	41	83.277	9.534,203	122.293,638	12,827	12,363
14							64	42	81.993	9.069,698	112.759,435	12,433	11,969
15							65	43	80.608	8.614,997	103.689,737	12,036	11,572
16							66	44	79.093	8.167,281	95.074,740	11,641	11,177
17							67	45	77.472	7.729,325	86.907,459	11,244	10,780
18							68	46	75.692	7.296,392	79.178,134	10,852	10,388
19							69	47	73.770	6.870,640	71.881,741	10,462	9,998
20							70	48	71.731	6.454,774	65.011,101	10,072	9,608
21							71	49	69.537	6.045,800	58.556,327	9,685	9,221
22	0	98.906	46.401,691	1.128.971,785	24,330	23,866	72	50	67.186	5.643,789	52.510,527	9,304	8,840
23	1	98.456	44.628,652	1.082.570,094	24,257	23,793	73	51	64.657	5.247,672	46.866,739	8,931	8,467
24	2	98.348	43.072,078	1.037.941,442	24,098	23,634	74	52	61.976	4.860,034	41.619,066	8,564	8,100
25	3	98.257	41.577,117	994.869,364	23,928	23,464	75	53	59.166	4.482,733	36.759,032	8,200	7,736
26	4	98.168	40.134,854	953.292,247	23,752	23,288	76	54	56.252	4.117,847	32.276,300	7,838	7,374
27	5	98.085	38.744,899	913.157,393	23,568	23,104	77	55	53.260	3.766,972	28.158,453	7,475	7,011
28	6	98.002	37.403,024	874.412,494	23,378	22,914	78	56	50.154	3.427,341	24.391,481	7,117	6,653
29	7	97.921	36.108,297	837.009,470	23,181	22,717	79	57	46.920	3.097,939	20.964,140	6,767	6,303
30	8	97.844	34.859,669	800.901,173	22,975	22,511	80	58	43.600	2.781,383	17.866,201	6,423	5,959
31	9	97.763	33.653,003	766.041,503	22,763	22,299	81	59	40.166	2.475,629	15.084,817	6,093	5,629
32	10	97.680	32.487,203	732.388,500	22,544	22,080	82	60	36.680	2.184,363	12.609,188	5,772	5,308
33	11	97.591	31.360,250	699.901,296	22,318	21,854	83	61	33.054	1.901,871	10.424,825	5,481	5,017
34	12	97.497	30.270,340	668.541,047	22,086	21,622	84	62	29.519	1.641,031	8.522,954	5,194	4,730
35	13	97.395	29.216,291	638.270,707	21,846	21,382	85	63	26.099	1.401,831	6.881,923	4,909	4,445
36	14	97.284	28.196,027	609.054,416	21,601	21,137	86	64	22.909	1.188,892	5.480,092	4,609	4,145
37	15	97.163	27.208,615	580.858,389	21,348	20,884	87	65	19.729	989,239	4.291,200	4,338	3,874
38	16	97.028	26.252,065	553.649,774	21,090	20,626	88	66	16.630	805,619	3.301,961	4,099	3,635
39	17	96.874	25.323,999	527.397,708	20,826	20,362	89	67	13.752	643,671	2.496,342	3,878	3,414
40	18	96.703	24.424,546	502.073,709	20,556	20,092	90	68	11.165	504,903	1.852,670	3,669	3,205
41	19	96.509	23.551,179	477.649,163	20,281	19,817	91	69	8.896	388,687	1.347,767	3,467	3,003
42	20	96.299	22.705,239	454.097,985	20,000	19,536	92	70	6.914	291,892	959,080	3,286	2,822
43	21	96.056	21.882,131	431.392,745	19,714	19,250	93	71	5.249	214,094	667,188	3,116	2,652
44	22	95.795	21.084,658	409.510,614	19,422	18,958	94	72	3.885	153,101	453,095	2,959	2,495
45	23	95.512	20.311,496	388.425,956	19,123	18,659	95	73	2.800	106,635	299,994	2,813	2,349
46	24	95.193	19.559,143	368.114,461	18,821	18,357	96	74	1.963	72,212	193,359	2,678	2,214
47	25	94.844	18.828,462	348.555,318	18,512	18,048	97	75	1.336	47,485	121,147	2,551	2,087
48	26	94.466	18.119,108	329.726,856	18,198	17,734	98	76	881	30,260	73,662	2,434	1,970
49	27	94.054	17.430,034	311.607,748	17,878	17,414	99	77	563	18,668	43,402	2,325	1,861
							100	78	347	11,128	24,735	2,223	1,759

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 23 Jahre

Zinsfuß 3,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	27	93.631	16.765,027	294.574,382	17,571	17,107
1							51	28	93.140	16.113,129	277.809,356	17,241	16,777
2							52	29	92.630	15.482,988	261.696,227	16,902	16,438
3							53	30	92.060	14.867,321	246.213,239	16,561	16,097
4							54	31	91.451	14.269,597	231.345,918	16,213	15,748
5							55	32	90.798	13.688,544	217.076,321	15,858	15,394
6							56	33	90.086	13.121,980	203.387,776	15,500	15,036
7							57	34	89.345	12.573,928	190.265,796	15,132	14,668
8							58	35	88.531	12.037,956	177.691,869	14,761	14,297
9							59	36	87.642	11.514,135	165.653,913	14,387	13,923
10							60	37	86.672	11.001,609	154.139,779	14,011	13,547
11							61	38	85.643	10.503,458	143.138,170	13,628	13,164
12							62	39	84.555	10.019,362	132.634,712	13,238	12,774
13							63	40	83.350	9.542,505	122.615,351	12,849	12,385
14							64	41	82.074	9.078,672	113.072,846	12,455	11,991
15							65	42	80.699	8.624,697	103.994,174	12,058	11,594
16							66	43	79.196	8.177,896	95.369,476	11,662	11,198
17							67	44	77.580	7.740,099	87.191,581	11,265	10,801
18							68	45	75.813	7.307,983	79.451,481	10,872	10,408
19							69	46	73.903	6.883,002	72.143,498	10,481	10,017
20							70	47	71.871	6.467,351	65.260,497	10,091	9,627
21							71	48	69.685	6.058,644	58.793,145	9,704	9,240
22							72	49	67.348	5.657,404	52.734,502	9,321	8,857
23	0	98.831	44.798,750	1.083.268,492	24,181	23,717	73	50	64.820	5.260,965	47.077,097	8,948	8,484
24	1	98.383	43.087,510	1.038.469,742	24,101	23,637	74	51	62.149	4.873,569	41.816,133	8,580	8,116
25	2	98.276	41.585,339	995.382,232	23,936	23,472	75	52	59.345	4.496,326	36.942,564	8,216	7,752
26	3	98.185	40.141,744	953.796,893	23,761	23,297	76	53	56.430	4.130,890	32.446,238	7,855	7,391
27	4	98.098	38.749,904	913.655,149	23,578	23,114	77	54	53.446	3.780,120	28.315,347	7,491	7,027
28	5	98.015	37.407,914	874.905,245	23,388	22,924	78	55	50.345	3.440,369	24.535,227	7,132	6,668
29	6	97.930	36.111,624	837.497,331	23,192	22,728	79	56	47.109	3.110,427	21.094,858	6,782	6,318
30	7	97.852	34.862,706	801.385,707	22,987	22,523	80	57	43.796	2.793,853	17.984,431	6,437	5,973
31	8	97.772	33.656,234	766.523,001	22,775	22,311	81	58	40.360	2.487,608	15.190,579	6,106	5,642
32	9	97.686	32.489,303	732.866,767	22,557	22,093	82	59	36.868	2.195,525	12.702,970	5,786	5,322
33	10	97.599	31.362,887	700.377,464	22,331	21,867	83	60	33.237	1.912,397	10.507,445	5,494	5,030
34	11	97.506	30.273,179	669.014,577	22,099	21,635	84	61	29.686	1.650,318	8.595,048	5,208	4,744
35	12	97.403	29.218,772	638.741,398	21,861	21,397	85	62	26.264	1.410,708	6.944,730	4,923	4,459
36	13	97.293	28.198,759	609.522,626	21,615	21,151	86	63	23.066	1.197,034	5.534,022	4,623	4,159
37	14	97.174	27.211,786	581.323,866	21,363	20,899	87	64	19.875	996,527	4.336,988	4,352	3,888
38	15	97.045	26.256,757	554.112,080	21,104	20,640	88	65	16.766	812,253	3.340,461	4,113	3,649
39	16	96.894	25.329,363	527.855,324	20,840	20,376	89	66	13.877	649,554	2.528,208	3,892	3,428
40	17	96.724	24.429,921	502.525,960	20,570	20,106	90	67	11.279	510,088	1.878,654	3,683	3,219
41	18	96.537	23.557,954	478.096,040	20,294	19,830	91	68	8.998	393,184	1.368,566	3,481	3,017
42	19	96.325	22.711,535	454.538,086	20,014	19,550	92	69	7.003	295,664	975,382	3,299	2,835
43	20	96.086	21.889,045	431.826,551	19,728	19,264	93	70	5.324	217,180	679,717	3,130	2,666
44	21	95.818	21.089,818	409.937,506	19,438	18,974	94	71	3.949	155,624	462,537	2,972	2,508
45	22	95.538	20.316,996	388.847,688	19,139	18,675	95	72	2.852	108,593	306,913	2,826	2,362
46	23	95.218	19.564,247	368.530,692	18,837	18,373	96	73	2.004	73,713	198,320	2,690	2,226
47	24	94.870	18.833,579	348.966,444	18,529	18,065	97	74	1.367	48,591	124,607	2,564	2,100
48	25	94.489	18.123,568	330.132,866	18,216	17,752	98	75	905	31,066	76,016	2,447	1,983
49	26	94.080	17.434,915	312.009,298	17,896	17,432	99	76	579	19,224	44,951	2,338	1,874
							100	77	359	11,502	25,727	2,237	1,773

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 24 Jahre

Zinsfuß 3,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	26	93.658	16.769,721	294.938,163	17,588	17,124
1							51	27	93.167	16.117,826	278.168,441	17,258	16,794
2							52	28	92.658	15.487,585	262.050,615	16,920	16,456
3							53	29	92.087	14.871,674	246.563,030	16,579	16,115
4							54	30	91.481	14.274,271	231.691,356	16,231	15,767
5							55	31	90.830	13.693,436	217.417,085	15,877	15,413
6							56	32	90.118	13.126,648	203.723,649	15,520	15,056
7							57	33	89.381	12.578,954	190.597,002	15,152	14,688
8							58	34	88.572	12.043,602	178.018,048	14,781	14,317
9							59	35	87.687	11.520,032	165.974,446	14,407	13,943
10							60	36	86.721	11.007,833	154.454,414	14,031	13,567
11							61	37	85.696	10.509,902	143.446,580	13,649	13,185
12							62	38	84.615	10.026,375	132.936,678	13,259	12,795
13							63	39	83.417	9.550,148	122.910,303	12,870	12,406
14							64	40	82.145	9.086,577	113.360,155	12,476	12,012
15							65	41	80.779	8.633,231	104.273,578	12,078	11,614
16							66	42	79.285	8.187,103	95.640,347	11,682	11,218
17							67	43	77.681	7.750,159	87.453,244	11,284	10,820
18							68	44	75.918	7.318,170	79.703,084	10,891	10,427
19							69	45	74.020	6.893,936	72.384,914	10,500	10,036
20							70	46	72.000	6.478,987	65.490,979	10,108	9,644
21							71	47	69.821	6.070,449	59.011,991	9,721	9,257
22							72	48	67.491	5.669,423	52.941,543	9,338	8,874
23							73	49	64.977	5.273,657	47.272,120	8,964	8,500
24	0	98.758	43.251,734	1.039.120,010	24,025	23,561	74	50	62.306	4.885,914	41.998,463	8,596	8,132
25	1	98.312	41.600,238	995.868,277	23,939	23,475	75	51	59.510	4.508,848	37.112,549	8,231	7,767
26	2	98.204	40.149,682	954.268,039	23,768	23,304	76	52	56.601	4.143,417	32.603,701	7,869	7,405
27	3	98.115	38.756,556	914.118,357	23,586	23,122	77	53	53.615	3.792,094	28.460,284	7,505	7,041
28	4	98.028	37.412,746	875.361,800	23,397	22,933	78	54	50.520	3.452,378	24.668,190	7,145	6,681
29	5	97.943	36.116,346	837.949,054	23,201	22,737	79	55	47.288	3.122,250	21.215,812	6,795	6,331
30	6	97.861	34.865,918	801.832,709	22,998	22,534	80	56	43.972	2.805,114	18.093,562	6,450	5,986
31	7	97.781	33.659,166	766.966,790	22,786	22,322	81	57	40.541	2.498,761	15.288,448	6,118	5,654
32	8	97.695	32.492,422	733.307,625	22,569	22,105	82	58	37.046	2.206,149	12.789,687	5,797	5,333
33	9	97.606	31.364,914	700.815,203	22,344	21,880	83	59	33.407	1.922,169	10.583,539	5,506	5,042
34	10	97.514	30.275,725	669.450,289	22,112	21,648	84	60	29.851	1.659,452	8.661,369	5,219	4,755
35	11	97.413	29.221,513	639.174,564	21,873	21,409	85	61	26.413	1.418,692	7.001,917	4,935	4,471
36	12	97.301	28.201,155	609.953,052	21,629	21,165	86	62	23.212	1.204,615	5.583,225	4,635	4,171
37	13	97.183	27.214,423	581.751,897	21,377	20,913	87	63	20.011	1.003,351	4.378,611	4,364	3,900
38	14	97.057	26.259,817	554.537,474	21,117	20,653	88	64	16.890	818,237	3.375,260	4,125	3,661
39	15	96.912	25.333,890	528.277,658	20,853	20,389	89	65	13.992	654,903	2.557,023	3,904	3,440
40	16	96.745	24.435,095	502.943,768	20,583	20,119	90	66	11.382	514,750	1.902,120	3,695	3,231
41	17	96.558	23.563,138	478.508,673	20,308	19,843	91	67	9.091	397,222	1.387,370	3,493	3,029
42	18	96.353	22.718,069	454.945,535	20,026	19,562	92	68	7.084	299,085	990,148	3,311	2,847
43	19	96.113	21.895,115	432.227,466	19,741	19,277	93	69	5.393	219,987	691,063	3,141	2,677
44	20	95.849	21.096,481	410.332,351	19,450	18,986	94	70	4.006	157,868	471,076	2,984	2,520
45	21	95.561	20.321,968	389.235,870	19,153	18,689	95	71	2.899	110,382	313,208	2,837	2,373
46	22	95.244	19.569,545	368.913,902	18,851	18,387	96	72	2.040	75,067	202,826	2,702	2,238
47	23	94.895	18.838,494	349.344,356	18,544	18,080	97	73	1.395	49,601	127,760	2,576	2,112
48	24	94.515	18.128,493	330.505,862	18,231	17,767	98	74	926	31,789	78,158	2,459	1,995
49	25	94.103	17.439,207	312.377,369	17,912	17,448	99	75	595	19,736	46,369	2,350	1,885
							100	76	369	11,845	26,633	2,248	1,784

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 25 Jahre

Zinsfuß 3,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	25	93.681	16.773,849	295.271,564	17,603	17,139
1							51	26	93.194	16.122,340	278.497,716	17,274	16,810
2							52	27	92.685	15.492,100	262.375,376	16,936	16,472
3							53	28	92.114	14.876,089	246.883,276	16,596	16,132
4							54	29	91.508	14.278,451	232.007,187	16,249	15,785
5							55	30	90.860	13.697,921	217.728,736	15,895	15,431
6							56	31	90.151	13.131,338	204.030,815	15,538	15,074
7							57	32	89.413	12.583,428	190.899,477	15,171	14,707
8							58	33	88.607	12.048,416	178.316,049	14,800	14,336
9							59	34	87.728	11.525,436	166.267,633	14,426	13,962
10							60	35	86.765	11.013,472	154.742,197	14,050	13,586
11							61	36	85.744	10.515,849	143.728,725	13,668	13,204
12							62	37	84.667	10.032,527	133.212,877	13,278	12,814
13							63	38	83.475	9.556,833	123.180,349	12,889	12,425
14							64	39	82.211	9.093,854	113.623,516	12,495	12,031
15							65	40	80.849	8.640,749	104.529,662	12,097	11,633
16							66	41	79.364	8.195,204	95.888,914	11,701	11,237
17							67	42	77.768	7.758,885	87.693,709	11,302	10,838
18							68	43	76.017	7.327,681	79.934,824	10,909	10,445
19							69	44	74.124	6.903,545	72.607,142	10,517	10,053
20							70	45	72.114	6.489,279	65.703,597	10,125	9,661
21							71	46	69.947	6.081,371	59.214,318	9,737	9,273
22							72	47	67.622	5.680,470	53.132,947	9,354	8,890
23							73	48	65.115	5.284,860	47.452,477	8,979	8,515
24							74	49	62.457	4.897,701	42.167,617	8,610	8,146
25	0	98.686	41.758,793	996.474,027	23,863	23,399	75	50	59.661	4.520,269	37.269,916	8,245	7,781
26	1	98.240	40.164,066	954.715,234	23,770	23,306	76	51	56.759	4.154,956	32.749,646	7,882	7,418
27	2	98.134	38.764,221	914.551,167	23,593	23,129	77	52	53.778	3.803,593	28.594,690	7,518	7,054
28	3	98.045	37.419,169	875.786,947	23,405	22,941	78	53	50.680	3.463,313	24.791,097	7,158	6,694
29	4	97.956	36.121,011	838.367,778	23,210	22,746	79	54	47.454	3.133,148	21.327,784	6,807	6,343
30	5	97.874	34.870,477	802.246,767	23,006	22,542	80	55	44.139	2.815,777	18.194,636	6,462	5,998
31	6	97.790	33.662,267	767.376,290	22,796	22,332	81	56	40.704	2.508,833	15.378,859	6,130	5,666
32	7	97.704	32.495,252	733.714,023	22,579	22,115	82	57	37.212	2.216,039	12.870,026	5,808	5,344
33	8	97.615	31.367,925	701.218,771	22,355	21,891	83	58	33.569	1.931,470	10.653,987	5,516	5,052
34	9	97.520	30.277,681	669.850,846	22,124	21,660	84	59	30.003	1.667,932	8.722,517	5,230	4,766
35	10	97.421	29.223,970	639.573,164	21,885	21,421	85	60	26.559	1.426,544	7.054,585	4,945	4,481
36	11	97.311	28.203,799	610.349,194	21,641	21,177	86	61	23.344	1.211,432	5.628,041	4,646	4,182
37	12	97.192	27.216,734	582.145,395	21,389	20,925	87	62	20.137	1.009,705	4.416,609	4,374	3,910
38	13	97.066	26.262,361	554.928,661	21,130	20,666	88	63	17.006	823,840	3.406,904	4,135	3,671
39	14	96.923	25.336,842	528.666,300	20,866	20,401	89	64	14.095	659,727	2.583,064	3,915	3,451
40	15	96.762	24.439,462	503.329,458	20,595	20,131	90	65	11.476	518,989	1.923,337	3,706	3,242
41	16	96.578	23.568,129	478.889,995	20,319	19,855	91	66	9.174	400,852	1.404,348	3,503	3,039
42	17	96.374	22.723,068	455.321,866	20,038	19,574	92	67	7.157	302,157	1.003,496	3,321	2,857
43	18	96.141	21.901,413	432.598,798	19,752	19,288	93	68	5.456	222,532	701,339	3,152	2,688
44	19	95.875	21.102,331	410.697,385	19,462	18,998	94	69	4.058	159,908	478,807	2,994	2,530
45	20	95.591	20.328,389	389.595,054	19,165	18,701	95	70	2.941	111,974	318,899	2,848	2,384
46	21	95.267	19.574,335	369.266,665	18,865	18,401	96	71	2.074	76,304	206,925	2,712	2,248
47	22	94.921	18.843,595	349.692,330	18,558	18,094	97	72	1.421	50,512	130,621	2,586	2,122
48	23	94.539	18.133,224	330.848,734	18,245	17,781	98	73	945	32,450	80,109	2,469	2,005
49	24	94.129	17.443,946	312.715,510	17,927	17,463	99	74	609	20,195	47,659	2,360	1,896
							100	75	379	12,161	27,464	2,258	1,794

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 0 Jahre

Zinsfuß 3,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	0	100.000	100.000,000	2.515.010,780	25,150	24,686	50	50	91.638	14.543,533	230.152,447	15,825	15,361
1	1	99.166	95.581,502	2.415.010,780	25,267	24,802	51	51	90.953	13.913,158	215.608,914	15,497	15,032
2	2	99.090	92.056,550	2.319.429,278	25,196	24,731	52	52	90.231	13.303,746	201.695,756	15,161	14,696
3	3	99.051	88.693,801	2.227.372,728	25,113	24,649	53	53	89.431	12.709,144	188.392,010	14,823	14,359
4	4	99.016	85.457,735	2.138.678,927	25,026	24,562	54	54	88.588	12.134,344	175.682,865	14,478	14,014
5	5	98.990	82.347,218	2.053.221,192	24,934	24,469	55	55	87.680	11.575,934	163.548,521	14,128	13,664
6	6	98.963	79.349,570	1.970.873,974	24,838	24,373	56	56	86.694	11.032,073	151.972,587	13,776	13,311
7	7	98.942	76.465,552	1.891.524,404	24,737	24,273	57	57	85.670	10.507,695	140.940,514	13,413	12,949
8	8	98.922	73.686,219	1.815.058,852	24,632	24,168	58	58	84.550	9.995,453	130.432,819	13,049	12,585
9	9	98.900	71.007,600	1.741.372,633	24,524	24,059	59	59	83.341	9.496,405	120.437,366	12,682	12,218
10	10	98.885	68.430,233	1.670.365,034	24,410	23,945	60	60	82.046	9.010,908	110.940,961	12,312	11,847
11	11	98.867	65.945,108	1.601.934,800	24,292	23,828	61	61	80.675	8.540,164	101.930,053	11,935	11,471
12	12	98.844	63.546,407	1.535.989,693	24,171	23,707	62	62	79.258	8.086,848	93.389,889	11,548	11,084
13	13	98.822	61.236,349	1.472.443,286	24,045	23,581	63	63	77.698	7.641,172	85.303,041	11,164	10,699
14	14	98.800	59.009,616	1.411.206,937	23,915	23,450	64	64	76.054	7.209,182	77.661,870	10,773	10,308
15	15	98.770	56.859,619	1.352.197,321	23,781	23,317	65	65	74.307	6.788,936	70.452,687	10,378	9,913
16	16	98.729	54.781,735	1.295.337,702	23,645	23,181	66	66	72.409	6.376,447	63.663,751	9,984	9,520
17	17	98.670	52.770,270	1.240.555,967	23,509	23,044	67	67	70.380	5.973,776	57.287,304	9,590	9,125
18	18	98.599	50.825,946	1.187.785,697	23,370	22,905	68	68	68.173	5.577,248	51.313,528	9,201	8,736
19	19	98.496	48.937,627	1.136.959,751	23,233	22,768	69	69	65.800	5.188,550	45.736,280	8,815	8,350
20	20	98.389	47.117,742	1.088.022,124	23,092	22,627	70	70	63.288	4.810,066	40.547,730	8,430	7,965
21	21	98.283	45.365,830	1.040.904,382	22,945	22,480	71	71	60.609	4.439,974	35.737,664	8,049	7,585
22	22	98.182	43.681,126	995.538,552	22,791	22,327	72	72	57.749	4.077,534	31.297,690	7,676	7,211
23	23	98.081	42.059,157	951.857,425	22,631	22,167	73	73	54.711	3.723,429	27.220,156	7,311	6,846
24	24	97.983	40.498,329	909.798,269	22,465	22,001	74	74	51.518	3.379,378	23.496,727	6,953	6,489
25	25	97.886	38.995,614	869.299,939	22,292	21,828	75	75	48.208	3.047,951	20.117,349	6,600	6,136
26	26	97.790	37.549,400	830.304,325	22,112	21,648	76	76	44.787	2.729,307	17.069,398	6,254	5,790
27	27	97.693	36.156,184	792.754,925	21,926	21,461	77	77	41.321	2.427,070	14.340,091	5,908	5,444
28	28	97.594	34.814,263	756.598,742	21,732	21,268	78	78	37.788	2.139,359	11.913,021	5,569	5,104
29	29	97.494	33.521,298	721.784,479	21,532	21,068	79	79	34.179	1.865,077	9.773,662	5,240	4,776
30	30	97.396	32.277,509	688.263,181	21,323	20,859	80	80	30.561	1.607,367	7.908,585	4,920	4,456
31	31	97.293	31.077,945	655.985,672	21,108	20,643	81	81	26.911	1.364,267	6.301,218	4,619	4,154
32	32	97.182	29.920,300	624.907,726	20,886	20,421	82	82	23.325	1.139,710	4.936,951	4,332	3,867
33	33	97.068	28.804,971	594.987,426	20,656	20,191	83	83	19.770	931,078	3.797,241	4,078	3,614
34	34	96.944	27.728,389	566.182,456	20,419	19,954	84	84	16.483	748,226	2.866,163	3,831	3,366
35	35	96.806	26.688,114	538.454,067	20,176	19,711	85	85	13.487	590,096	2.117,937	3,589	3,125
36	36	96.655	25.683,409	511.765,953	19,926	19,462	86	86	10.885	459,029	1.527,841	3,328	2,864
37	37	96.491	24.713,166	486.082,544	19,669	19,205	87	87	8.491	345,134	1.068,812	3,097	2,632
38	38	96.316	23.776,552	461.369,378	19,404	18,940	88	88	6.365	249,379	723,678	2,902	2,438
39	39	96.116	22.869,571	437.592,826	19,134	18,670	89	89	4.613	174,202	474,299	2,723	2,258
40	40	95.891	21.991,372	414.723,256	18,858	18,394	90	90	3.223	117,304	300,097	2,558	2,094
41	41	95.642	21.141,590	392.731,883	18,576	18,112	91	91	2.173	76,232	182,794	2,398	1,933
42	42	95.366	20.318,621	371.590,293	18,288	17,824	92	92	1.390	47,007	106,562	2,267	1,802
43	43	95.049	19.519,042	351.271,672	17,996	17,532	93	93	851	27,725	59,555	2,148	1,684
44	44	94.691	18.742,601	331.752,629	17,700	17,236	94	94	497	15,601	31,830	2,040	1,576
45	45	94.305	17.991,612	313.010,028	17,398	16,933	95	95	276	8,355	16,228	1,942	1,478
46	46	93.866	17.260,534	295.018,416	17,092	16,628	96	96	146	4,248	7,873	1,854	1,389
47	47	93.379	16.550,412	277.757,882	16,783	16,318	97	97	73	2,045	3,626	1,773	1,309
48	48	92.848	15.861,511	261.207,469	16,468	16,004	98	98	34	0,930	1,581	1,700	1,235
49	49	92.273	15.193,512	245.345,958	16,148	15,684	99	99	15	0,398	0,651	1,633	1,169
							100	100	6	0,160	0,252	1,573	1,109

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -1 Jahr

Zinsfuß 3,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	1	99.620	99.620,306	2.511.545,168	25,211	24,747	50	51	91.406	14.506,787	227.795,205	15,703	15,238
1	2	99.130	95.547,270	2.411.924,862	25,243	24,779	51	52	90.701	13.874,518	213.288,418	15,373	14,908
2	3	99.071	92.038,349	2.316.377,592	25,168	24,703	52	53	89.958	13.263,526	199.413,900	15,035	14,570
3	4	99.034	88.678,577	2.224.339,243	25,083	24,619	53	54	89.148	12.669,015	186.150,374	14,693	14,229
4	5	99.003	85.446,698	2.135.660,666	24,994	24,530	54	55	88.280	12.092,138	173.481,360	14,347	13,882
5	6	98.977	82.336,454	2.050.213,968	24,900	24,436	55	56	87.348	11.532,098	161.389,221	13,995	13,530
6	7	98.954	79.342,258	1.967.877,515	24,802	24,338	56	57	86.346	10.987,782	149.857,123	13,639	13,174
7	8	98.934	76.458,893	1.888.535,257	24,700	24,236	57	58	85.288	10.460,798	138.869,341	13,275	12,811
8	9	98.912	73.679,145	1.812.076,364	24,594	24,130	58	59	84.143	9.947,319	128.408,543	12,909	12,444
9	10	98.894	71.003,012	1.738.397,219	24,483	24,019	59	60	82.917	9.448,128	118.461,224	12,538	12,074
10	11	98.876	68.424,479	1.667.394,207	24,368	23,904	60	61	81.594	8.961,309	109.013,097	12,165	11,700
11	12	98.858	65.938,923	1.598.969,728	24,249	23,785	61	62	80.221	8.492,105	100.051,788	11,782	11,317
12	13	98.835	63.541,010	1.533.030,805	24,127	23,662	62	63	78.759	8.035,958	91.559,682	11,394	10,929
13	14	98.813	61.230,416	1.469.489,795	23,999	23,535	63	64	77.170	7.589,198	83.523,724	11,006	10,541
14	15	98.788	59.002,740	1.408.259,379	23,868	23,403	64	65	75.498	7.156,463	75.934,527	10,611	10,146
15	16	98.752	56.849,460	1.349.256,639	23,734	23,269	65	66	73.700	6.733,488	68.778,064	10,214	9,750
16	17	98.708	54.770,133	1.292.407,179	23,597	23,133	66	67	71.753	6.318,699	62.044,575	9,819	9,355
17	18	98.649	52.758,660	1.237.637,046	23,458	22,994	67	68	69.665	5.913,053	55.725,877	9,424	8,960
18	19	98.570	50.811,329	1.184.878,386	23,319	22,855	68	69	67.393	5.513,458	49.812,824	9,035	8,570
19	20	98.468	48.924,061	1.134.067,058	23,180	22,716	69	70	64.960	5.122,353	44.299,366	8,648	8,184
20	21	98.358	47.102,860	1.085.142,997	23,038	22,573	70	71	62.388	4.741,698	39.177,013	8,262	7,798
21	22	98.259	45.354,731	1.038.040,137	22,887	22,423	71	72	59.626	4.367,992	34.345,315	7,884	7,419
22	23	98.155	43.669,300	992.685,406	22,732	22,267	72	73	56.707	4.004,019	30.067,323	7,509	7,045
23	24	98.056	42.048,183	949.016,106	22,570	22,105	73	74	53.596	3.647,574	26.063,303	7,145	6,681
24	25	97.957	40.487,327	906.967,923	22,401	21,937	74	75	50.345	3.302,458	22.415,729	6,788	6,323
25	26	97.861	38.986,019	866.480,596	22,225	21,761	75	76	46.958	2.968,925	19.113,272	6,438	5,973
26	27	97.762	37.538,887	827.494,577	22,044	21,579	76	77	43.490	2.650,298	16.144,347	6,092	5,627
27	28	97.664	36.145,647	789.955,690	21,855	21,390	77	78	39.976	2.348,111	13.494,049	5,747	5,282
28	29	97.565	34.803,929	753.810,043	21,659	21,194	78	79	36.388	2.060,070	11.145,937	5,410	4,946
29	30	97.465	33.511,486	719.006,114	21,456	20,991	79	80	32.741	1.786,620	9.085,868	5,086	4,621
30	31	97.365	32.266,941	685.494,628	21,244	20,780	80	81	29.072	1.529,065	7.299,247	4,774	4,309
31	32	97.259	31.066,844	653.227,687	21,027	20,562	81	82	25.411	1.288,218	5.770,182	4,479	4,015
32	33	97.147	29.909,661	622.160,843	20,801	20,337	82	83	21.818	1.066,057	4.481,964	4,204	3,740
33	34	97.029	28.793,461	592.251,182	20,569	20,105	83	84	18.353	864,359	3.415,907	3,952	3,488
34	35	96.898	27.715,389	563.457,721	20,330	19,866	84	85	15.158	688,098	2.551,548	3,708	3,244
35	36	96.756	26.674,451	535.742,332	20,084	19,620	85	86	12.316	538,861	1.863,451	3,458	2,994
36	37	96.600	25.668,886	509.067,881	19,832	19,368	86	87	9.787	412,752	1.324,590	3,209	2,745
37	38	96.432	24.698,011	483.398,995	19,572	19,108	87	88	7.490	304,451	911,838	2,995	2,531
38	39	96.248	23.759,920	458.700,984	19,306	18,841	88	89	5.528	216,579	607,387	2,804	2,340
39	40	96.039	22.851,269	434.941,064	19,034	18,569	89	90	3.929	148,381	390,809	2,634	2,169
40	41	95.807	21.972,240	412.089,795	18,755	18,291	90	91	2.696	98,129	242,428	2,471	2,006
41	42	95.548	21.120,692	390.117,555	18,471	18,006	91	92	1.766	61,946	144,299	2,329	1,865
42	43	95.259	20.295,769	368.996,862	18,181	17,717	92	93	1.105	37,352	82,353	2,205	1,740
43	44	94.926	19.493,706	348.701,093	17,888	17,423	93	94	660	21,515	45,000	2,092	1,627
44	45	94.559	18.716,511	329.207,387	17,589	17,125	94	95	376	11,808	23,485	1,989	1,525
45	46	94.155	17.963,078	310.490,875	17,285	16,821	95	96	203	6,160	11,677	1,896	1,431
46	47	93.697	17.229,535	292.527,798	16,978	16,514	96	97	104	3,046	5,518	1,811	1,347
47	48	93.198	16.518,228	275.298,263	16,666	16,202	97	98	51	1,425	2,471	1,735	1,270
48	49	92.651	15.827,885	258.780,035	16,350	15,885	98	99	23	0,629	1,047	1,665	1,201
49	50	92.051	15.156,945	242.952,150	16,029	15,565	99	100	10	0,261	0,418	1,602	1,137
							100	101	4	0,102	0,157	1,544	1,080

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -2 Jahre

Zinsfuß 3,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	2	99.585	99.584,628	2.508.215,379	25,187	24,722	50	52	91.153	14.466,498	225.260,970	15,571	15,107
1	3	99.111	95.528,379	2.408.630,751	25,214	24,749	51	53	90.427	13.832,572	210.794,472	15,239	14,775
2	4	99.054	92.022,551	2.313.102,372	25,136	24,672	52	54	89.674	13.221,646	196.961,900	14,897	14,433
3	5	99.021	88.667,124	2.221.079,821	25,050	24,585	53	55	88.838	12.624,949	183.740,254	14,554	14,089
4	6	98.990	85.435,528	2.132.412,697	24,959	24,495	54	56	87.945	12.046,347	171.115,305	14,205	13,740
5	7	98.968	82.328,867	2.046.977,170	24,863	24,399	55	57	86.998	11.485,800	159.068,958	13,849	13,385
6	8	98.945	79.335,348	1.964.648,303	24,764	24,299	56	58	85.961	10.938,743	147.583,158	13,492	13,027
7	9	98.924	76.451,553	1.885.312,955	24,660	24,196	57	59	84.877	10.410,423	136.644,415	13,126	12,661
8	10	98.906	73.674,385	1.808.861,402	24,552	24,088	58	60	83.715	9.896,749	126.233,993	12,755	12,291
9	11	98.886	70.997,041	1.735.187,017	24,440	23,976	59	61	82.461	9.396,123	116.337,244	12,381	11,917
10	12	98.867	68.418,062	1.664.189,976	24,324	23,859	60	62	81.135	8.910,881	106.941,121	12,001	11,537
11	13	98.849	65.933,323	1.595.771,914	24,203	23,738	61	63	79.716	8.438,665	98.030,240	11,617	11,152
12	14	98.826	63.534,853	1.529.838,591	24,079	23,614	62	64	78.223	7.981,299	89.591,575	11,225	10,761
13	15	98.801	61.223,281	1.466.303,738	23,950	23,486	63	65	76.605	7.533,699	81.610,276	10,833	10,368
14	16	98.771	58.992,198	1.405.080,457	23,818	23,354	64	66	74.882	7.098,013	74.076,577	10,436	9,972
15	17	98.732	56.837,420	1.346.088,259	23,683	23,219	65	67	73.032	6.672,506	66.978,563	10,038	9,574
16	18	98.687	54.758,083	1.289.250,838	23,544	23,080	66	68	71.024	6.254,469	60.306,057	9,642	9,178
17	19	98.620	52.743,487	1.234.492,755	23,406	22,941	67	69	68.868	5.845,422	54.051,588	9,247	8,782
18	20	98.543	50.797,243	1.181.749,269	23,264	22,800	68	70	66.533	5.443,116	48.206,167	8,856	8,392
19	21	98.437	48.908,608	1.130.952,025	23,124	22,659	69	71	64.037	5.049,547	42.763,051	8,469	8,004
20	22	98.334	47.091,335	1.082.043,417	22,978	22,513	70	72	61.377	4.664,824	37.713,504	8,085	7,620
21	23	98.233	45.342,451	1.034.952,082	22,825	22,361	71	73	58.551	4.289,241	33.048,680	7,705	7,241
22	24	98.130	43.657,906	989.609,631	22,667	22,203	72	74	55.552	3.922,448	28.759,439	7,332	6,868
23	25	98.029	42.036,760	945.951,724	22,503	22,039	73	75	52.376	3.564,549	24.836,991	6,968	6,503
24	26	97.932	40.477,364	903.914,965	22,331	21,867	74	76	49.040	3.216,833	21.272,442	6,613	6,148
25	27	97.834	38.975,104	863.437,600	22,154	21,689	75	77	45.598	2.882,980	18.055,608	6,263	5,798
26	28	97.734	37.527,947	824.462,496	21,969	21,505	76	78	42.075	2.564,077	15.172,629	5,917	5,453
27	29	97.635	36.134,918	786.934,548	21,778	21,313	77	79	38.495	2.261,085	12.608,552	5,576	5,112
28	30	97.537	34.793,742	750.799,631	21,579	21,114	78	80	34.857	1.973,410	10.347,467	5,243	4,779
29	31	97.433	33.500,514	716.005,889	21,373	20,909	79	81	31.146	1.699,586	8.374,056	4,927	4,463
30	32	97.330	32.255,415	682.505,375	21,159	20,695	80	82	27.451	1.443,829	6.674,470	4,623	4,158
31	33	97.224	31.055,797	650.249,960	20,938	20,474	81	83	23.769	1.204,968	5.230,640	4,341	3,876
32	34	97.109	29.897,710	619.194,163	20,710	20,246	82	84	20.254	989,666	4.025,673	4,068	3,603
33	35	96.983	28.779,962	589.296,453	20,476	20,012	83	85	16.878	794,897	3.036,007	3,819	3,355
34	36	96.849	27.701,200	560.516,491	20,234	19,770	84	86	13.842	628,354	2.241,110	3,567	3,102
35	37	96.702	26.659,368	532.815,291	19,986	19,522	85	87	11.074	484,536	1.612,756	3,328	2,864
36	38	96.541	25.653,145	506.155,923	19,731	19,266	86	88	8.634	364,098	1.128,220	3,099	2,634
37	39	96.365	24.680,735	480.502,778	19,469	19,004	87	89	6.505	264,407	764,122	2,890	2,426
38	40	96.171	23.740,906	455.822,043	19,200	18,735	88	90	4.709	184,476	499,715	2,709	2,244
39	41	95.955	22.831,389	432.081,138	18,925	18,460	89	91	3.287	124,126	315,238	2,540	2,075
40	42	95.713	21.950,521	409.249,749	18,644	18,180	90	92	2.191	79,740	191,112	2,397	1,932
41	43	95.440	21.096,938	387.299,228	18,358	17,894	91	93	1.403	49,223	111,373	2,263	1,798
42	44	95.135	20.269,425	366.202,289	18,067	17,602	92	94	857	28,986	62,149	2,144	1,680
43	45	94.793	19.466,571	345.932,864	17,771	17,306	93	95	500	16,284	33,164	2,037	1,572
44	46	94.409	18.686,827	326.466,294	17,470	17,006	94	96	277	8,705	16,880	1,939	1,475
45	47	93.986	17.930,816	307.779,467	17,165	16,700	95	97	146	4,417	8,175	1,851	1,386
46	48	93.515	17.196,029	289.848,650	16,856	16,391	96	98	73	2,122	3,757	1,770	1,306
47	49	93.000	16.483,210	272.652,621	16,541	16,077	97	99	34	0,963	1,635	1,697	1,233
48	50	92.428	15.789,792	256.169,411	16,224	15,759	98	100	15	0,412	0,672	1,631	1,167
49	51	91.818	15.118,649	240.379,619	15,900	15,435	99	101	6	0,165	0,260	1,571	1,107
							100	102	2	0,062	0,095	1,517	1,052

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -3 Jahre

Zinsfuß 3,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	3	99.565	99.564,939	2.504.665,046	25,156	24,692	50	53	90.877	14.422,763	222.542,278	15,430	14,966
1	4	99.094	95.511,982	2.405.100,107	25,181	24,717	51	54	90.141	13.788,895	208.119,515	15,093	14,629
2	5	99.041	92.010,665	2.309.588,125	25,101	24,637	52	55	89.362	13.175,658	194.330,620	14,749	14,285
3	6	99.008	88.655,533	2.217.577,459	25,013	24,549	53	56	88.502	12.577,140	181.154,962	14,404	13,939
4	7	98.981	85.427,655	2.128.921,926	24,921	24,456	54	57	87.592	11.997,984	168.577,822	14,051	13,586
5	8	98.959	82.321,697	2.043.494,271	24,823	24,359	55	58	86.609	11.434,538	156.579,838	13,694	13,229
6	9	98.936	79.327,732	1.961.172,574	24,722	24,258	56	59	85.547	10.886,066	145.145,300	13,333	12,869
7	10	98.918	76.446,613	1.881.844,842	24,616	24,152	57	60	84.446	10.357,498	134.259,234	12,963	12,498
8	11	98.897	73.668,189	1.805.398,229	24,507	24,043	58	61	83.254	9.842,275	123.901,736	12,589	12,124
9	12	98.876	70.990,383	1.731.730,039	24,394	23,929	59	62	81.997	9.343,247	114.059,462	12,208	11,743
10	13	98.859	68.412,251	1.660.739,657	24,275	23,811	60	63	80.624	8.854,806	104.716,214	11,826	11,361
11	14	98.840	65.926,935	1.592.327,405	24,153	23,688	61	64	79.174	8.381,267	95.861,409	11,438	10,973
12	15	98.814	63.527,450	1.526.400,470	24,027	23,563	62	65	77.651	7.922,933	87.480,142	11,041	10,577
13	16	98.783	61.212,342	1.462.873,020	23,898	23,434	63	66	75.980	7.472,169	79.557,209	10,647	10,183
14	17	98.750	58.979,705	1.401.660,678	23,765	23,301	64	67	74.204	7.033,730	72.085,040	10,248	9,784
15	18	98.710	56.824,915	1.342.680,973	23,628	23,164	65	68	72.290	6.604,680	65.051,310	9,849	9,385
16	19	98.658	54.742,335	1.285.856,058	23,489	23,025	66	69	70.212	6.182,933	58.446,630	9,453	8,988
17	20	98.593	52.728,866	1.231.113,723	23,348	22,884	67	70	67.990	5.770,845	52.263,697	9,057	8,592
18	21	98.512	50.781,199	1.178.384,857	23,205	22,741	68	71	65.588	5.365,750	46.492,852	8,665	8,200
19	22	98.413	48.896,642	1.127.603,659	23,061	22,597	69	72	62.999	4.967,682	41.127,102	8,279	7,815
20	23	98.307	47.078,585	1.078.707,017	22,913	22,448	70	73	60.270	4.580,721	36.159,420	7,894	7,429
21	24	98.207	45.330,621	1.031.628,432	22,758	22,293	71	74	57.358	4.201,859	31.578,699	7,515	7,051
22	25	98.103	43.646,046	986.297,810	22,598	22,133	72	75	54.288	3.833,166	27.376,839	7,142	6,678
23	26	98.005	42.026,416	942.651,765	22,430	21,966	73	76	51.018	3.472,129	23.543,673	6,781	6,316
24	27	97.905	40.466,032	900.625,349	22,256	21,792	74	77	47.620	3.123,711	20.071,544	6,426	5,961
25	28	97.806	38.963,746	860.159,317	22,076	21,611	75	78	44.115	2.789,189	16.947,833	6,076	5,612
26	29	97.705	37.516,808	821.195,571	21,889	21,424	76	79	40.516	2.469,047	14.158,644	5,734	5,270
27	30	97.607	36.124,341	783.678,763	21,694	21,230	77	80	36.875	2.165,970	11.689,597	5,397	4,933
28	31	97.505	34.782,349	747.554,422	21,492	21,028	78	81	33.159	1.877,277	9.523,627	5,073	4,609
29	32	97.398	33.488,547	712.772,072	21,284	20,820	79	82	29.410	1.604,845	7.646,350	4,765	4,300
30	33	97.295	32.243,946	679.283,525	21,067	20,603	80	83	25.677	1.350,523	6.041,505	4,473	4,009
31	34	97.185	31.043,388	647.039,579	20,843	20,379	81	84	22.066	1.118,622	4.690,982	4,194	3,729
32	35	97.063	29.883,693	615.996,191	20,613	20,149	82	85	18.626	910,135	3.572,360	3,925	3,461
33	36	96.934	28.765,228	586.112,498	20,376	19,911	83	86	15.413	725,881	2.662,225	3,668	3,203
34	37	96.794	27.685,536	557.347,270	20,131	19,667	84	87	12.447	565,007	1.936,344	3,427	2,963
35	38	96.642	26.643,020	529.661,734	19,880	19,416	85	88	9.769	427,420	1.371,337	3,208	2,744
36	39	96.474	25.635,200	503.018,714	19,622	19,158	86	89	7.498	316,209	943,917	2,985	2,521
37	40	96.288	24.660,984	477.383,514	19,358	18,893	87	90	5.541	225,215	627,708	2,787	2,323
38	41	96.088	23.720,252	452.722,530	19,086	18,621	88	91	3.939	154,321	402,493	2,608	2,144
39	42	95.860	22.808,820	429.002,278	18,809	18,344	89	92	2.671	100,865	248,171	2,460	1,996
40	43	95.605	21.925,834	406.193,458	18,526	18,061	90	93	1.741	63,362	147,306	2,325	1,860
41	44	95.316	21.069,554	384.267,624	18,238	17,774	91	94	1.089	38,198	83,944	2,198	1,733
42	45	95.003	20.241,210	363.198,070	17,943	17,479	92	95	649	21,938	45,747	2,085	1,621
43	46	94.643	19.435,697	342.956,860	17,646	17,181	93	96	368	12,005	23,809	1,983	1,519
44	47	94.239	18.653,266	323.521,164	17,344	16,880	94	97	199	6,243	11,804	1,891	1,426
45	48	93.804	17.895,947	304.867,898	17,036	16,571	95	98	102	3,078	5,561	1,807	1,342
46	49	93.317	17.159,575	286.971,951	16,724	16,259	96	99	49	1,435	2,483	1,731	1,266
47	50	92.776	16.443,540	269.812,376	16,408	15,944	97	100	22	0,631	1,048	1,661	1,197
48	51	92.195	15.749,897	253.368,836	16,087	15,623	98	101	10	0,261	0,417	1,599	1,134
49	52	91.563	15.076,661	237.618,939	15,761	15,296	99	102	4	0,101	0,156	1,542	1,077
							100	103	1	0,037	0,055	1,490	1,025

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -4 Jahre

Zinsfuß 3,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	4	99.548	99.547,849	2.500.865,225	25,122	24,658	50	54	90.590	14.377,222	219.631,816	15,276	14,812
1	5	99.081	95.499,646	2.401.317,376	25,145	24,680	51	55	89.828	13.740,934	205.254,594	14,937	14,473
2	6	99.028	91.998,638	2.305.817,729	25,064	24,599	52	56	89.024	13.125,763	191.513,660	14,591	14,126
3	7	98.999	88.647,364	2.213.819,092	24,973	24,509	53	57	88.146	12.526,646	178.387,896	14,241	13,776
4	8	98.972	85.420,215	2.125.171,728	24,879	24,415	54	58	87.201	11.944,436	165.861,250	13,886	13,422
5	9	98.949	82.313,794	2.039.751,513	24,780	24,316	55	59	86.192	11.379,473	153.916,814	13,526	13,061
6	10	98.929	79.322,607	1.957.437,718	24,677	24,212	56	60	85.112	10.830,723	142.537,341	13,160	12,696
7	11	98.910	76.440,185	1.878.115,112	24,570	24,105	57	61	83.981	10.300,488	131.706,617	12,786	12,322
8	12	98.888	73.661,281	1.801.674,927	24,459	23,994	58	62	82.786	9.786,889	121.406,129	12,405	11,941
9	13	98.868	70.984,354	1.728.013,646	24,344	23,879	59	63	81.481	9.284,451	111.619,240	12,022	11,558
10	14	98.849	68.405,623	1.657.029,293	24,224	23,759	60	64	80.076	8.794,577	102.334,789	11,636	11,172
11	15	98.828	65.919,253	1.588.623,670	24,100	23,635	61	65	78.595	8.319,976	93.540,212	11,243	10,778
12	16	98.796	63.516,100	1.522.704,417	23,974	23,509	62	66	77.017	7.858,224	85.220,236	10,845	10,380
13	17	98.763	61.199,379	1.459.188,317	23,843	23,379	63	67	75.292	7.404,496	77.362,013	10,448	9,984
14	18	98.728	58.966,728	1.397.988,938	23,708	23,244	64	68	73.449	6.962,232	69.957,516	10,048	9,584
15	19	98.681	56.808,573	1.339.022,210	23,571	23,106	65	69	71.463	6.529,139	62.995,284	9,648	9,184
16	20	98.631	54.727,160	1.282.213,637	23,429	22,965	66	70	69.316	6.104,050	56.466,146	9,251	8,786
17	21	98.562	52.712,211	1.227.486,478	23,287	22,822	67	71	67.023	5.688,821	50.362,096	8,853	8,388
18	22	98.488	50.768,774	1.174.774,266	23,140	22,675	68	72	64.524	5.278,759	44.673,275	8,463	7,998
19	23	98.386	48.883,403	1.124.005,492	22,994	22,529	69	73	61.863	4.878,119	39.394,516	8,076	7,611
20	24	98.282	47.066,302	1.075.122,089	22,843	22,378	70	74	59.042	4.487,401	34.516,397	7,692	7,227
21	25	98.180	45.318,306	1.028.055,786	22,685	22,221	71	75	56.053	4.106,218	30.028,995	7,313	6,849
22	26	98.079	43.635,306	982.737,481	22,522	22,057	72	76	52.880	3.733,782	25.922,778	6,943	6,478
23	27	97.978	42.014,650	939.102,175	22,352	21,887	73	77	49.542	3.371,617	22.188,996	6,581	6,117
24	28	97.877	40.454,239	897.087,525	22,175	21,711	74	78	46.071	3.022,089	18.817,379	6,227	5,762
25	29	97.776	38.952,181	856.633,285	21,992	21,527	75	79	42.480	2.685,816	15.795,290	5,881	5,417
26	30	97.676	37.505,827	817.681,105	21,801	21,337	76	80	38.812	2.365,184	13.109,474	5,543	5,078
27	31	97.575	36.112,513	780.175,278	21,604	21,140	77	81	35.079	2.060,456	10.744,291	5,215	4,750
28	32	97.470	34.769,925	744.062,765	21,400	20,935	78	82	31.311	1.772,630	8.683,834	4,899	4,434
29	33	97.364	33.476,639	709.292,840	21,188	20,723	79	83	27.509	1.501,133	6.911,204	4,604	4,140
30	34	97.256	32.231,062	675.816,201	20,968	20,503	80	84	23.837	1.253,747	5.410,071	4,315	3,851
31	35	97.140	31.028,834	643.585,139	20,742	20,277	81	85	20.293	1.028,728	4.156,324	4,040	3,576
32	36	97.013	29.868,394	612.556,304	20,509	20,044	82	86	17.009	831,113	3.127,596	3,763	3,299
33	37	96.879	28.748,963	582.687,910	20,268	19,804	83	87	13.859	652,702	2.296,483	3,518	3,054
34	38	96.735	27.668,559	553.938,948	20,021	19,556	84	88	10.980	498,405	1.643,781	3,298	2,834
35	39	96.575	26.624,383	526.270,389	19,766	19,302	85	89	8.484	371,203	1.145,376	3,086	2,621
36	40	96.396	25.614,685	499.646,006	19,506	19,042	86	90	6.387	269,339	774,174	2,874	2,410
37	41	96.204	24.639,529	474.031,321	19,239	18,774	87	91	4.635	188,401	504,835	2,680	2,215
38	42	95.993	23.696,804	449.391,792	18,964	18,500	88	92	3.201	125,402	316,433	2,523	2,059
39	43	95.753	22.783,168	425.694,988	18,685	18,220	89	93	2.122	80,148	191,032	2,383	1,919
40	44	95.481	21.897,374	402.911,820	18,400	17,936	90	94	1.351	49,169	110,883	2,255	1,791
41	45	95.184	21.040,225	381.014,446	18,109	17,644	91	95	824	28,910	61,714	2,135	1,670
42	46	94.852	20.209,107	359.974,221	17,812	17,348	92	96	478	16,173	32,804	2,028	1,564
43	47	94.473	19.400,790	339.765,114	17,513	17,049	93	97	264	8,609	16,630	1,932	1,467
44	48	94.056	18.616,992	320.364,323	17,208	16,744	94	98	138	4,350	8,021	1,844	1,380
45	49	93.605	17.858,009	301.747,332	16,897	16,433	95	99	69	2,081	3,671	1,764	1,300
46	50	93.092	17.118,276	283.889,323	16,584	16,120	96	100	32	0,940	1,591	1,692	1,228
47	51	92.542	16.401,993	266.771,046	16,265	15,800	97	101	14	0,400	0,651	1,627	1,162
48	52	91.939	15.706,156	250.369,053	15,941	15,476	98	102	6	0,160	0,251	1,567	1,103
49	53	91.287	15.031,081	234.662,897	15,612	15,147	99	103	2	0,060	0,091	1,513	1,049
							100	104	1	0,021	0,031	1,464	0,999

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -5 Jahre

Zinsfuß 3,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	5	99.535	99.534,992	2.496.800,350	25,085	24,620	50	55	90.275	14.327,215	216.520,861	15,113	14,648
1	6	99.068	95.487,162	2.397.265,358	25,106	24,641	51	56	89.487	13.688,899	202.193,645	14,771	14,306
2	7	99.019	91.990,160	2.301.778,196	25,022	24,558	52	57	88.666	13.073,067	188.504,746	14,419	13,955
3	8	98.990	88.639,643	2.209.788,036	24,930	24,466	53	58	87.753	12.470,739	175.431,679	14,067	13,603
4	9	98.963	85.412,016	2.121.148,392	24,834	24,370	54	59	86.781	11.886,916	162.960,941	13,709	13,245
5	10	98.943	82.308,476	2.035.736,376	24,733	24,269	55	60	85.754	11.321,623	151.074,024	13,344	12,879
6	11	98.921	79.315,936	1.953.427,901	24,628	24,164	56	61	84.644	10.771,108	139.752,402	12,975	12,510
7	12	98.900	76.433,016	1.874.111,965	24,520	24,055	57	62	83.508	10.242,523	128.981,293	12,593	12,128
8	13	98.880	73.655,025	1.797.678,948	24,407	23,942	58	63	82.265	9.725,301	118.738,770	12,209	11,745
9	14	98.858	70.977,476	1.724.023,924	24,290	23,825	59	64	80.926	9.221,300	109.013,469	11,822	11,357
10	15	98.838	68.397,652	1.653.046,448	24,168	23,704	60	65	79.490	8.730,264	99.792,169	11,431	10,966
11	16	98.811	65.907,475	1.584.648,796	24,044	23,579	61	66	77.953	8.252,024	91.061,905	11,035	10,571
12	17	98.775	63.502,649	1.518.741,321	23,916	23,452	62	67	76.320	7.787,055	82.809,882	10,634	10,170
13	18	98.741	61.185,914	1.455.238,672	23,784	23,319	63	68	74.526	7.329,230	75.022,827	10,236	9,772
14	19	98.700	58.949,770	1.394.052,758	23,648	23,184	64	69	72.609	6.882,601	67.693,597	9,835	9,371
15	20	98.654	56.792,825	1.335.102,989	23,508	23,044	65	70	70.552	6.445,839	60.810,996	9,434	8,970
16	21	98.600	54.709,874	1.278.310,164	23,365	22,901	66	71	68.331	6.017,290	54.365,158	9,035	8,570
17	22	98.538	52.699,314	1.223.600,290	23,219	22,754	67	72	65.937	5.596,592	48.347,868	8,639	8,174
18	23	98.461	50.755,029	1.170.900,975	23,070	22,605	68	73	63.361	5.183,588	42.751,275	8,247	7,783
19	24	98.361	48.870,649	1.120.145,947	22,921	22,456	69	74	60.603	4.778,740	37.567,688	7,861	7,397
20	25	98.255	47.053,515	1.071.275,297	22,767	22,303	70	75	57.698	4.385,260	32.788,947	7,477	7,013
21	26	98.156	45.307,155	1.024.221,782	22,606	22,142	71	76	54.600	3.999,754	28.403,687	7,101	6,637
22	27	98.052	43.623,090	978.914,627	22,440	21,976	72	77	51.349	3.625,695	24.403,933	6,731	6,266
23	28	97.949	42.002,406	935.291,537	22,268	21,803	73	78	47.930	3.261,929	20.778,238	6,370	5,905
24	29	97.847	40.442,231	893.289,132	22,088	21,624	74	79	44.363	2.910,084	17.516,309	6,019	5,555
25	30	97.748	38.940,779	852.846,900	21,901	21,437	75	80	40.693	2.572,834	14.606,225	5,677	5,213
26	31	97.644	37.493,547	813.906,121	21,708	21,243	76	81	36.921	2.249,965	12.033,391	5,348	4,884
27	32	97.540	36.099,614	776.412,575	21,508	21,043	77	82	33.124	1.945,598	9.783,426	5,028	4,564
28	33	97.435	34.757,562	740.312,961	21,299	20,835	78	83	29.287	1.658,076	7.837,827	4,727	4,263
29	34	97.325	33.463,263	705.555,400	21,084	20,620	79	84	25.538	1.393,565	6.179,752	4,434	3,970
30	35	97.211	32.215,951	672.092,137	20,862	20,398	80	85	21.922	1.152,994	4.786,187	4,151	3,687
31	36	97.090	31.012,949	639.876,185	20,633	20,168	81	86	18.531	939,409	3.633,192	3,868	3,403
32	37	96.958	29.851,505	608.863,236	20,396	19,932	82	87	15.294	747,324	2.693,783	3,605	3,140
33	38	96.820	28.731,333	579.011,732	20,153	19,688	83	88	12.225	575,763	1.946,459	3,381	2,916
34	39	96.667	27.649,204	550.280,398	19,902	19,438	84	89	9.535	432,851	1.370,696	3,167	2,702
35	40	96.497	26.603,076	522.631,194	19,646	19,181	85	90	7.226	316,181	937,845	2,966	2,502
36	41	96.313	25.592,401	496.028,118	19,382	18,917	86	91	5.343	225,312	621,663	2,759	2,295
37	42	96.109	24.615,173	470.435,717	19,112	18,647	87	92	3.766	153,095	396,351	2,589	2,125
38	43	95.885	23.670,153	445.820,544	18,835	18,370	88	93	2.543	99,645	243,256	2,441	1,977
39	44	95.628	22.753,595	422.150,391	18,553	18,089	89	94	1.647	62,196	143,611	2,309	1,845
40	45	95.348	21.866,892	399.396,796	18,265	17,800	90	95	1.022	37,214	81,415	2,188	1,723
41	46	95.033	21.006,855	377.529,903	17,972	17,507	91	96	608	21,313	44,201	2,074	1,609
42	47	94.682	20.172,812	356.523,048	17,673	17,209	92	97	343	11,599	22,887	1,973	1,509
43	48	94.289	19.363,063	336.350,236	17,371	16,906	93	98	184	5,999	11,288	1,882	1,417
44	49	93.857	18.577,525	316.987,173	17,063	16,599	94	99	94	2,941	5,290	1,799	1,335
45	50	93.379	17.815,030	298.409,648	16,750	16,286	95	100	45	1,363	2,349	1,724	1,259
46	51	92.857	17.075,025	280.594,619	16,433	15,969	96	101	20	0,596	0,986	1,655	1,191
47	52	92.285	16.356,441	263.519,594	16,111	15,647	97	102	9	0,245	0,390	1,593	1,129
48	53	91.661	15.658,673	247.163,153	15,784	15,320	98	103	3	0,095	0,145	1,537	1,072
49	54	90.998	14.983,620	231.504,480	15,451	14,986	99	104	1	0,034	0,051	1,485	1,021
							100	105	0	0,012	0,017	1,439	0,974

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -6 Jahre

Zinsfuß 3,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	6	99.522	99.521,980	2.492.453,189	25,044	24,580	50	56	89.933	14.272,960	213.203,765	14,938	14,473
1	7	99.059	95.478,364	2.392.931,209	25,063	24,598	51	57	89.128	13.633,942	198.930,805	14,591	14,126
2	8	99.010	91.982,149	2.297.452,845	24,977	24,513	52	58	88.271	13.014,721	185.296,863	14,237	13,773
3	9	98.981	88.631,135	2.205.470,696	24,884	24,419	53	59	87.330	12.410,684	172.282,142	13,882	13,417
4	10	98.956	85.406,497	2.116.839,561	24,785	24,321	54	60	86.340	11.826,486	159.871,458	13,518	13,054
5	11	98.935	82.301,554	2.031.433,065	24,683	24,218	55	61	85.282	11.259,305	148.044,972	13,149	12,684
6	12	98.912	79.308,498	1.949.131,510	24,577	24,112	56	62	84.167	10.710,496	136.785,666	12,771	12,307
7	13	98.892	76.426,525	1.869.823,013	24,466	24,001	57	63	82.983	10.178,068	126.075,171	12,387	11,923
8	14	98.870	73.647,888	1.793.396,487	24,351	23,887	58	64	81.705	9.659,151	115.897,102	11,999	11,534
9	15	98.847	70.969,205	1.719.748,599	24,232	23,768	59	65	80.335	9.153,866	106.237,952	11,606	11,141
10	16	98.820	68.385,431	1.648.779,394	24,110	23,646	60	66	78.841	8.658,960	97.084,085	11,212	10,748
11	17	98.790	65.893,518	1.580.393,963	23,984	23,520	61	67	77.247	8.177,289	88.425,125	10,814	10,349
12	18	98.754	63.488,677	1.514.500,445	23,855	23,390	62	68	75.544	7.707,900	80.247,836	10,411	9,947
13	19	98.712	61.168,317	1.451.011,768	23,722	23,257	63	69	73.674	7.245,401	72.539,937	10,012	9,547
14	20	98.672	58.933,429	1.389.843,451	23,583	23,119	64	70	71.683	6.794,791	65.294,536	9,609	9,145
15	21	98.623	56.774,887	1.330.910,022	23,442	22,977	65	71	69.549	6.354,221	58.499,744	9,206	8,742
16	22	98.576	54.696,488	1.274.135,136	23,295	22,830	66	72	67.223	5.919,736	52.145,524	8,809	8,344
17	23	98.511	52.685,046	1.219.438,648	23,146	22,681	67	73	64.748	5.495,690	46.225,788	8,411	7,947
18	24	98.435	50.741,787	1.166.753,601	22,994	22,530	68	74	62.070	5.077,986	40.730,097	8,021	7,556
19	25	98.334	48.857,372	1.116.011,815	22,842	22,378	69	75	59.223	4.669,968	35.652,111	7,634	7,170
20	26	98.231	47.041,937	1.067.154,443	22,685	22,221	70	76	56.202	4.271,561	30.982,143	7,253	6,789
21	27	98.129	45.294,470	1.020.112,505	22,522	22,057	71	77	53.019	3.883,967	26.710,582	6,877	6,413
22	28	98.023	43.610,377	974.818,035	22,353	21,888	72	78	49.679	3.507,742	22.826,614	6,507	6,043
23	29	97.920	41.989,939	931.207,658	22,177	21,713	73	79	46.153	3.141,035	19.318,872	6,150	5,686
24	30	97.819	40.430,394	889.217,720	21,994	21,529	74	80	42.497	2.787,668	16.177,837	5,803	5,339
25	31	97.716	38.928,029	848.787,326	21,804	21,340	75	81	38.711	2.447,500	13.390,169	5,471	5,007
26	32	97.610	37.480,154	809.859,297	21,608	21,143	76	82	34.863	2.124,543	10.942,669	5,151	4,686
27	33	97.505	36.086,777	772.379,143	21,403	20,939	77	83	30.983	1.819,866	8.818,126	4,845	4,381
28	34	97.396	34.743,673	736.292,366	21,192	20,728	78	84	27.188	1.539,261	6.998,260	4,547	4,082
29	35	97.279	33.447,575	701.548,693	20,975	20,510	79	85	23.486	1.281,576	5.458,998	4,260	3,795
30	36	97.161	32.199,458	668.101,118	20,749	20,284	80	86	20.018	1.052,886	4.177,422	3,968	3,503
31	37	97.035	30.995,412	635.901,660	20,516	20,052	81	87	16.663	844,703	3.124,536	3,699	3,235
32	38	96.899	29.833,199	604.906,248	20,276	19,812	82	88	13.492	659,232	2.279,833	3,458	2,994
33	39	96.752	28.711,235	575.073,048	20,030	19,565	83	89	10.617	500,034	1.620,602	3,241	2,777
34	40	96.590	27.627,078	546.361,813	19,776	19,312	84	90	8.122	368,692	1.120,567	3,039	2,575
35	41	96.413	26.579,932	518.734,736	19,516	19,052	85	91	6.045	264,498	751,875	2,843	2,378
36	42	96.217	25.567,103	492.154,804	19,250	18,785	86	92	4.341	183,089	487,378	2,662	2,198
37	43	96.001	24.587,489	466.587,700	18,977	18,512	87	93	2.993	121,651	304,289	2,501	2,037
38	44	95.760	23.639,429	442.000,211	18,698	18,233	88	94	1.974	77,326	182,638	2,362	1,898
39	45	95.495	22.721,922	418.360,782	18,412	17,948	89	95	1.247	47,074	105,312	2,237	1,773
40	46	95.197	21.832,211	395.638,861	18,122	17,657	90	96	754	27,435	58,239	2,123	1,658
41	47	94.862	20.969,127	373.806,649	17,827	17,362	91	97	436	15,285	30,803	2,015	1,551
42	48	94.498	20.133,583	352.837,522	17,525	17,060	92	98	239	8,082	15,518	1,920	1,456
43	49	94.089	19.322,014	332.703,939	17,219	16,754	93	99	124	4,055	7,437	1,834	1,370
44	50	93.631	18.532,814	313.381,925	16,910	16,445	94	100	61	1,926	3,382	1,756	1,291
45	51	93.144	17.770,018	294.849,111	16,593	16,128	95	101	29	0,864	1,455	1,684	1,220
46	52	92.599	17.027,603	277.079,093	16,272	15,808	96	102	13	0,365	0,591	1,620	1,155
47	53	92.006	16.306,992	260.051,490	15,947	15,483	97	103	5	0,145	0,226	1,561	1,096
48	54	91.371	15.609,230	243.744,498	15,615	15,151	98	104	2	0,054	0,081	1,507	1,043
49	55	90.682	14.931,503	228.135,268	15,279	14,814	99	105	1	0,019	0,027	1,459	0,994
							100	106					

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -7 Jahre

Zinsfuß 3,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	7	99.513	99.512,810	2.487.811,096	25,000	24,535	50	57	89.572	14.215,658	209.675,122	14,750	14,285
1	8	99.050	95.470,048	2.388.298,286	25,016	24,552	51	58	88.730	13.573,092	195.459,464	14,401	13,936
2	9	99.001	91.973,319	2.292.828,237	24,929	24,465	52	59	87.846	12.952,047	181.886,371	14,043	13,579
3	10	98.974	88.625,408	2.200.854,918	24,833	24,369	53	60	86.886	12.347,591	168.934,324	13,682	13,217
4	11	98.948	85.399,315	2.112.229,510	24,734	24,269	54	61	85.865	11.761,390	156.586,733	13,314	12,849
5	12	98.925	82.293,836	2.026.830,196	24,629	24,165	55	62	84.802	11.195,945	144.825,343	12,936	12,471
6	13	98.903	79.301,762	1.944.536,360	24,521	24,056	56	63	83.638	10.643,036	133.629,398	12,556	12,091
7	14	98.882	76.419,120	1.865.234,597	24,408	23,944	57	64	82.418	10.108,839	122.986,302	12,166	11,702
8	15	98.859	73.639,306	1.788.815,477	24,292	23,827	58	65	81.108	9.588,515	112.877,464	11,772	11,308
9	16	98.829	70.956,525	1.715.176,171	24,172	23,708	59	66	79.679	9.079,103	103.288,948	11,377	10,912
10	17	98.799	68.370,949	1.644.219,646	24,049	23,584	60	67	78.127	8.580,540	94.209,845	10,979	10,515
11	18	98.768	65.879,020	1.575.848,697	23,920	23,456	61	68	76.462	8.094,167	85.629,305	10,579	10,115
12	19	98.725	63.470,418	1.509.969,677	23,790	23,326	62	69	74.680	7.619,740	77.535,139	10,176	9,711
13	20	98.685	61.151,361	1.446.499,259	23,654	23,190	63	70	72.734	7.152,963	69.915,399	9,774	9,310
14	21	98.641	58.914,814	1.385.347,898	23,514	23,050	64	71	70.664	6.698,213	62.762,436	9,370	8,906
15	22	98.599	56.760,996	1.326.433,084	23,369	22,904	65	72	68.421	6.251,204	56.064,223	8,969	8,504
16	23	98.549	54.681,679	1.269.672,088	23,219	22,755	66	73	66.011	5.813,008	49.813,018	8,569	8,105
17	24	98.485	52.671,300	1.214.990,409	23,067	22,603	67	74	63.429	5.383,730	44.000,010	8,173	7,708
18	25	98.409	50.728,001	1.162.319,108	22,913	22,448	68	75	60.657	4.962,402	38.616,280	7,782	7,317
19	26	98.310	48.845,350	1.111.591,107	22,757	22,293	69	76	57.688	4.548,887	33.653,877	7,398	6,934
20	27	98.203	47.028,767	1.062.745,757	22,598	22,133	70	77	54.575	4.147,907	29.104,990	7,017	6,552
21	28	98.100	45.281,270	1.015.716,990	22,431	21,967	71	78	51.294	3.757,612	24.957,083	6,642	6,177
22	29	97.994	43.597,432	970.435,719	22,259	21,795	72	79	47.838	3.377,738	21.199,471	6,276	5,812
23	30	97.891	41.977,648	926.838,287	22,079	21,615	73	80	44.212	3.008,904	17.821,733	5,923	5,459
24	31	97.787	40.417,156	884.860,640	21,893	21,429	74	81	40.427	2.651,868	14.812,829	5,586	5,121
25	32	97.681	38.914,124	844.443,484	21,700	21,236	75	82	36.553	2.311,067	12.160,961	5,262	4,798
26	33	97.575	37.466,827	805.529,360	21,500	21,035	76	83	32.610	1.987,247	9.849,894	4,957	4,492
27	34	97.466	36.072,358	768.062,533	21,292	20,828	77	84	28.763	1.689,458	7.862,647	4,654	4,190
28	35	97.351	34.727,385	731.990,175	21,078	20,614	78	85	25.004	1.415,564	6.173,189	4,361	3,897
29	36	97.229	33.430,451	697.262,791	20,857	20,393	79	86	21.447	1.170,304	4.757,625	4,065	3,601
30	37	97.106	32.181,251	663.832,340	20,628	20,163	80	87	18.000	946,740	3.587,322	3,789	3,325
31	38	96.976	30.976,405	631.651,089	20,391	19,927	81	88	14.698	745,132	2.640,582	3,544	3,079
32	39	96.831	29.812,330	600.674,684	20,149	19,684	82	89	11.717	572,525	1.895,450	3,311	2,846
33	40	96.674	28.688,259	570.862,353	19,899	19,434	83	90	9.044	425,917	1.322,925	3,106	2,642
34	41	96.506	27.603,043	542.174,094	19,642	19,177	84	91	6.794	308,425	897,009	2,908	2,444
35	42	96.318	26.553,658	514.571,052	19,379	18,914	85	92	4.912	214,931	588,584	2,738	2,274
36	43	96.109	25.538,349	488.017,394	19,109	18,645	86	93	3.450	145,484	373,653	2,568	2,104
37	44	95.876	24.555,574	462.479,045	18,834	18,370	87	94	2.322	94,402	228,169	2,417	1,953
38	45	95.627	23.606,523	437.923,471	18,551	18,087	88	95	1.494	58,525	133,767	2,286	1,821
39	46	95.344	22.685,885	414.316,948	18,263	17,799	89	96	919	34,704	75,242	2,168	1,704
40	47	95.026	21.793,001	391.631,064	17,970	17,506	90	97	541	19,676	40,538	2,060	1,596
41	48	94.678	20.928,350	369.838,063	17,672	17,207	91	98	304	10,650	20,863	1,959	1,495
42	49	94.297	20.090,901	348.909,713	17,367	16,902	92	99	162	5,463	10,213	1,869	1,405
43	50	93.863	19.275,512	328.818,812	17,059	16,594	93	100	82	2,656	4,749	1,788	1,323
44	51	93.394	18.485,988	309.543,300	16,745	16,280	94	101	39	1,221	2,093	1,714	1,249
45	52	92.885	17.720,666	291.057,312	16,425	15,960	95	102	17	0,529	0,872	1,647	1,182
46	53	92.319	16.976,125	273.336,646	16,101	15,637	96	103	7	0,216	0,342	1,585	1,121
47	54	91.715	16.255,502	256.360,520	15,771	15,306	97	104	3	0,083	0,126	1,530	1,065
48	55	91.054	15.554,937	240.105,019	15,436	14,972	98	105	1	0,030	0,044	1,479	1,015
49	56	90.339	14.874,960	224.550,081	15,096	14,631	99	106					
							100	107					

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -8 Jahre

Zinsfuß 3,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	8	99.504	99.504,143	2.482.857,437	24,952	24,488	50	58	89.172	14.152,212	205.928,729	14,551	14,087
1	9	99.041	95.460,884	2.383.353,294	24,967	24,502	51	59	88.303	13.507,729	191.776,516	14,198	13,733
2	10	98.994	91.967,376	2.287.892,410	24,877	24,413	52	60	87.399	12.886,201	178.268,787	13,834	13,370
3	11	98.966	88.617,955	2.195.925,033	24,780	24,315	53	61	86.408	12.279,627	165.382,585	13,468	13,004
4	12	98.939	85.391,306	2.107.307,078	24,678	24,214	54	62	85.382	11.695,204	153.102,959	13,091	12,627
5	13	98.917	82.286,847	2.021.915,772	24,572	24,107	55	63	84.268	11.125,490	141.407,754	12,710	12,246
6	14	98.894	79.294,079	1.939.628,925	24,461	23,997	56	64	83.069	10.570,703	130.282,264	12,325	11,860
7	15	98.871	76.410,215	1.860.334,847	24,347	23,882	57	65	81.816	10.034,915	119.711,561	11,930	11,465
8	16	98.841	73.626,149	1.783.924,631	24,229	23,765	58	66	80.445	9.510,202	109.676,646	11,533	11,068
9	17	98.808	70.941,498	1.710.298,482	24,109	23,644	59	67	78.957	8.996,878	100.166,444	11,133	10,669
10	18	98.777	68.355,906	1.639.356,984	23,983	23,518	60	68	77.333	8.493,319	91.169,566	10,734	10,270
11	19	98.740	65.860,073	1.571.001,077	23,854	23,389	61	69	75.588	8.001,589	82.676,248	10,332	9,868
12	20	98.698	63.452,824	1.505.141,004	23,721	23,256	62	70	73.727	7.522,526	74.674,659	9,927	9,462
13	21	98.654	61.132,046	1.441.688,181	23,583	23,119	63	71	71.700	7.051,294	67.152,133	9,523	9,059
14	22	98.617	58.900,399	1.380.556,134	23,439	22,974	64	72	69.518	6.589,620	60.100,839	9,121	8,656
15	23	98.572	56.745,628	1.321.655,735	23,291	22,826	65	73	67.188	6.138,501	53.511,219	8,717	8,253
16	24	98.523	54.667,413	1.264.910,107	23,138	22,674	66	74	64.666	5.694,584	47.372,718	8,319	7,854
17	25	98.459	52.656,991	1.210.242,694	22,984	22,519	67	75	61.985	5.261,187	41.678,134	7,922	7,457
18	26	98.385	50.715,519	1.157.585,704	22,825	22,361	68	76	59.085	4.833,739	36.416,947	7,534	7,069
19	27	98.282	48.831,675	1.106.870,185	22,667	22,203	69	77	56.018	4.417,205	31.583,208	7,150	6,686
20	28	98.175	47.015,062	1.058.038,509	22,504	22,040	70	78	52.800	4.012,965	27.166,003	6,770	6,305
21	29	98.071	45.267,830	1.011.023,448	22,334	21,870	71	79	49.393	3.618,347	23.153,038	6,399	5,934
22	30	97.965	43.584,671	965.755,618	22,158	21,694	72	80	45.825	3.235,649	19.534,691	6,037	5,573
23	31	97.859	41.963,904	922.170,947	21,975	21,511	73	81	42.058	2.862,327	16.299,041	5,694	5,230
24	32	97.752	40.402,719	880.207,044	21,786	21,321	74	82	38.173	2.504,043	13.436,714	5,366	4,902
25	33	97.646	38.900,287	839.804,325	21,589	21,124	75	83	34.191	2.161,716	10.932,671	5,057	4,593
26	34	97.536	37.451,856	800.904,038	21,385	20,920	76	84	30.273	1.844,845	8.770,955	4,754	4,290
27	35	97.420	36.055,446	763.452,183	21,174	20,710	77	85	26.451	1.553,691	6.926,110	4,458	3,993
28	36	97.301	34.709,606	727.396,736	20,957	20,492	78	86	22.833	1.292,658	5.372,420	4,156	3,692
29	37	97.174	33.411,547	692.687,130	20,732	20,268	79	87	19.284	1.052,320	4.079,762	3,877	3,412
30	38	97.046	32.161,517	659.275,583	20,499	20,034	80	88	15.878	835,140	3.027,441	3,625	3,161
31	39	96.908	30.954,737	627.114,066	20,259	19,795	81	89	12.765	647,127	2.192,301	3,388	2,923
32	40	96.754	29.788,473	596.159,329	20,013	19,549	82	90	9.980	487,662	1.545,174	3,169	2,704
33	41	96.590	28.663,300	566.370,857	19,759	19,295	83	91	7.565	356,296	1.057,512	2,968	2,504
34	42	96.410	27.575,757	537.707,556	19,499	19,035	84	92	5.521	250,626	701,216	2,798	2,333
35	43	96.210	26.523,794	510.131,799	19,233	18,769	85	93	3.903	170,786	450,590	2,638	2,174
36	44	95.984	25.505,199	483.608,005	18,961	18,497	86	94	2.677	112,897	279,804	2,478	2,014
37	45	95.743	24.521,393	458.102,805	18,682	18,217	87	95	1.758	71,449	166,907	2,336	1,872
38	46	95.475	23.569,082	433.581,413	18,396	17,932	88	96	1.101	43,146	95,458	2,212	1,748
39	47	95.172	22.645,141	410.012,330	18,106	17,642	89	97	659	24,888	52,312	2,102	1,637
40	48	94.841	21.750,621	387.367,189	17,809	17,345	90	98	377	13,709	27,424	2,000	1,536
41	49	94.477	20.883,983	365.616,568	17,507	17,043	91	99	205	7,200	13,715	1,905	1,441
42	50	94.070	20.042,548	344.732,585	17,200	16,736	92	100	106	3,579	6,515	1,820	1,356
43	51	93.626	19.226,809	324.690,037	16,887	16,423	93	101	52	1,684	2,936	1,744	1,279
44	52	93.135	18.434,648	305.463,227	16,570	16,106	94	102	24	0,748	1,252	1,674	1,209
45	53	92.604	17.667,093	287.028,579	16,247	15,782	95	103	10	0,313	0,504	1,610	1,146
46	54	92.028	16.922,523	269.361,486	15,917	15,453	96	104	4	0,123	0,191	1,553	1,088
47	55	91.396	16.198,961	252.438,964	15,584	15,119	97	105	2	0,045	0,068	1,500	1,036
48	56	90.709	15.496,033	236.240,002	15,245	14,781	98	106					
49	57	89.976	14.815,241	220.743,969	14,900	14,435	99	107					
							100	108					

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -9 Jahre

Zinsfuß 3,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	9	99.495	99.494,592	2.477.579,072	24,902	24,437	50	59	88.743	14.084,060	201.962,043	14,340	13,875
1	10	99.034	95.454,716	2.378.084,480	24,913	24,449	51	60	87.854	13.439,059	187.877,982	13,980	13,516
2	11	98.986	91.959,643	2.282.629,764	24,822	24,358	52	61	86.918	12.815,273	174.438,923	13,612	13,147
3	12	98.957	88.609,645	2.190.670,122	24,723	24,258	53	62	85.922	12.210,525	161.623,651	13,236	12,772
4	13	98.930	85.384,054	2.102.060,477	24,619	24,154	54	63	84.845	11.621,608	149.413,126	12,856	12,392
5	14	98.907	82.278,874	2.016.676,423	24,510	24,046	55	64	83.695	11.049,817	137.791,518	12,470	12,006
6	15	98.882	79.284,839	1.934.397,549	24,398	23,934	56	65	82.461	10.493,401	126.741,701	12,078	11,614
7	16	98.853	76.396,563	1.855.112,710	24,283	23,818	57	66	81.147	9.952,956	116.248,300	11,680	11,215
8	17	98.820	73.610,557	1.778.716,147	24,164	23,699	58	67	79.717	9.424,072	106.295,344	11,279	10,815
9	18	98.787	70.925,890	1.705.105,590	24,041	23,576	59	68	78.154	8.905,424	96.871,272	10,878	10,413
10	19	98.749	68.336,247	1.634.179,700	23,914	23,449	60	69	76.448	8.396,176	87.965,847	10,477	10,012
11	20	98.712	65.841,817	1.565.843,453	23,782	23,317	61	70	74.623	7.899,503	79.569,672	10,073	9,608
12	21	98.667	63.432,782	1.500.001,636	23,647	23,183	62	71	72.679	7.415,604	71.670,168	9,665	9,200
13	22	98.630	61.117,089	1.436.568,854	23,505	23,041	63	72	70.538	6.936,977	64.254,564	9,263	8,798
14	23	98.590	58.884,453	1.375.451,766	23,358	22,894	64	73	68.265	6.470,815	57.317,588	8,858	8,393
15	24	98.546	56.730,823	1.316.567,313	23,207	22,743	65	74	65.819	6.013,445	50.846,772	8,456	7,991
16	25	98.496	54.652,561	1.259.836,490	23,052	22,587	66	75	63.194	5.564,965	44.833,328	8,056	7,592
17	26	98.434	52.644,034	1.205.183,929	22,893	22,429	67	76	60.378	5.124,778	39.268,362	7,662	7,198
18	27	98.357	50.701,320	1.152.539,896	22,732	22,268	68	77	57.374	4.693,811	34.143,585	7,274	6,810
19	28	98.254	48.817,444	1.101.838,575	22,571	22,106	69	78	54.195	4.273,502	29.449,774	6,891	6,427
20	29	98.145	47.001,107	1.053.021,131	22,404	21,940	70	79	50.843	3.864,236	25.176,272	6,515	6,051
21	30	98.042	45.254,579	1.006.020,024	22,230	21,766	71	80	47.315	3.466,137	21.312,036	6,149	5,684
22	31	97.933	43.570,400	960.765,445	22,051	21,586	72	81	43.593	3.078,027	17.845,899	5,798	5,333
23	32	97.824	41.948,914	917.195,045	21,865	21,400	73	82	39.714	2.702,770	14.767,872	5,464	5,000
24	33	97.717	40.388,352	875.246,131	21,671	21,206	74	83	35.707	2.342,221	12.065,102	5,151	4,687
25	34	97.607	38.884,743	834.857,779	21,470	21,006	75	84	31.741	2.006,812	9.722,881	4,845	4,381
26	35	97.490	37.434,298	795.973,035	21,263	20,799	76	85	27.840	1.696,590	7.716,069	4,548	4,084
27	36	97.370	36.036,988	758.538,738	21,049	20,584	77	86	24.155	1.418,792	6.019,478	4,243	3,778
28	37	97.246	34.689,979	722.501,750	20,827	20,363	78	87	20.531	1.162,340	4.600,686	3,958	3,494
29	38	97.115	33.391,059	687.811,771	20,599	20,134	79	88	17.011	928,275	3.438,347	3,704	3,240
30	39	96.979	32.139,019	654.420,712	20,362	19,898	80	89	13.790	725,297	2.510,072	3,461	2,996
31	40	96.830	30.929,965	622.281,693	20,119	19,655	81	90	10.873	551,206	1.784,775	3,238	2,774
32	41	96.670	29.762,557	591.351,728	19,869	19,405	82	91	8.349	407,948	1.233,569	3,024	2,559
33	42	96.495	28.634,967	561.589,171	19,612	19,148	83	92	6.148	289,526	825,620	2,852	2,387
34	43	96.302	27.544,744	532.954,204	19,349	18,884	84	93	4.387	199,150	536,095	2,692	2,227
35	44	96.085	26.489,365	505.409,460	19,080	18,615	85	94	3.029	132,532	336,945	2,542	2,078
36	45	95.851	25.469,696	478.920,094	18,804	18,339	86	95	2.026	85,447	204,413	2,392	1,928
37	46	95.591	24.482,501	453.450,398	18,521	18,057	87	96	1.296	52,674	118,966	2,259	1,794
38	47	95.304	23.526,753	428.967,897	18,233	17,769	88	97	790	30,943	66,292	2,142	1,678
39	48	94.987	22.601,104	405.441,144	17,939	17,475	89	98	459	17,341	35,349	2,038	1,574
40	49	94.640	21.704,512	382.840,040	17,639	17,174	90	99	255	9,268	18,008	1,943	1,479
41	50	94.250	20.833,721	361.135,528	17,334	16,870	91	100	134	4,716	8,741	1,853	1,389
42	51	93.833	19.991,908	340.301,807	17,022	16,558	92	101	67	2,269	4,024	1,774	1,309
43	52	93.366	19.173,412	320.309,899	16,706	16,242	93	102	32	1,032	1,756	1,701	1,237
44	53	92.853	18.378,917	301.136,487	16,385	15,920	94	103	14	0,442	0,724	1,636	1,171
45	54	92.312	17.611,308	282.757,571	16,055	15,591	95	104	6	0,178	0,281	1,576	1,111
46	55	91.707	16.863,662	265.146,263	15,723	15,259	96	105	2	0,068	0,103	1,521	1,057
47	56	91.050	16.137,618	248.282,601	15,385	14,921	97	106					
48	57	90.345	15.433,821	232.144,982	15,041	14,577	98	107					
49	58	89.574	14.749,119	216.711,162	14,693	14,229	99	108					
							100	109					

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -10 Jahre

Zinsfuß 3,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	10	99.488	99.488,163	2.471.964,466	24,847	24,382	50	60	88.292	14.012,460	197.771,588	14,114	13,650
1	11	99.026	95.446,689	2.372.476,303	24,857	24,392	51	61	87.371	13.365,087	183.759,128	13,749	13,285
2	12	98.977	91.951,019	2.277.029,614	24,764	24,299	52	62	86.429	12.743,156	170.394,041	13,371	12,907
3	13	98.948	88.602,119	2.185.078,595	24,662	24,197	53	63	85.381	12.133,685	157.650,885	12,993	12,528
4	14	98.921	85.375,781	2.096.476,476	24,556	24,091	54	64	84.267	11.542,559	145.517,199	12,607	12,143
5	15	98.896	82.269,286	2.011.100,695	24,445	23,981	55	65	83.083	10.969,011	133.974,640	12,214	11,749
6	16	98.865	79.270,673	1.928.831,409	24,332	23,868	56	66	81.788	10.407,698	123.005,628	11,819	11,354
7	17	98.832	76.380,384	1.849.560,735	24,215	23,751	57	67	80.412	9.862,816	112.597,931	11,416	10,952
8	18	98.798	73.594,361	1.773.180,351	24,094	23,630	58	68	78.906	9.328,277	102.735,115	11,013	10,549
9	19	98.758	70.905,492	1.699.585,990	23,970	23,505	59	69	77.260	8.803,568	93.406,838	10,610	10,146
10	20	98.722	68.317,304	1.628.680,497	23,840	23,376	60	70	75.473	8.289,056	84.603,270	10,207	9,742
11	21	98.681	65.821,020	1.560.363,193	23,706	23,242	61	71	73.563	7.787,223	76.314,214	9,800	9,336
12	22	98.643	63.417,261	1.494.542,173	23,567	23,102	62	72	71.501	7.295,380	68.526,991	9,393	8,929
13	23	98.603	61.100,542	1.431.124,912	23,422	22,958	63	73	69.266	6.811,909	61.231,610	8,989	8,524
14	24	98.565	58.869,089	1.370.024,370	23,272	22,808	64	74	66.874	6.338,989	54.419,701	8,585	8,120
15	25	98.520	56.715,410	1.311.155,281	23,118	22,654	65	75	64.321	5.876,568	48.080,712	8,182	7,717
16	26	98.472	54.639,113	1.254.439,870	22,959	22,494	66	76	61.556	5.420,679	42.204,143	7,786	7,321
17	27	98.407	52.629,296	1.199.800,758	22,797	22,333	67	77	58.630	4.976,424	36.783,464	7,392	6,927
18	28	98.328	50.686,544	1.147.171,462	22,633	22,168	68	78	55.508	4.541,109	31.807,040	7,004	6,540
19	29	98.225	48.802,954	1.096.484,918	22,468	22,003	69	79	52.187	4.115,117	27.265,931	6,626	6,161
20	30	98.117	46.987,349	1.047.681,964	22,297	21,833	70	80	48.704	3.701,682	23.150,814	6,254	5,790
21	31	98.010	45.239,762	1.000.694,615	22,120	21,655	71	81	45.010	3.297,287	19.449,132	5,899	5,434
22	32	97.898	43.554,837	955.454,852	21,937	21,472	72	82	41.163	2.906,446	16.151,845	5,557	5,093
23	33	97.790	41.933,998	911.900,016	21,746	21,282	73	83	37.147	2.528,106	13.245,399	5,239	4,775
24	34	97.678	40.372,214	869.966,018	21,549	21,084	74	84	33.148	2.174,383	10.717,293	4,929	4,464
25	35	97.561	38.866,513	829.593,804	21,345	20,880	75	85	29.190	1.845,542	8.542,911	4,629	4,165
26	36	97.440	37.415,133	790.727,291	21,134	20,669	76	86	25.423	1.549,284	6.697,369	4,323	3,858
27	37	97.315	36.016,610	753.312,158	20,916	20,451	77	87	21.720	1.275,757	5.148,085	4,035	3,571
28	38	97.186	34.668,706	717.295,548	20,690	20,226	78	88	18.111	1.025,326	3.872,328	3,777	3,312
29	39	97.047	33.367,701	682.626,841	20,458	19,993	79	89	14.774	806,182	2.847,002	3,531	3,067
30	40	96.901	32.113,300	649.259,140	20,218	19,753	80	90	11.746	617,790	2.040,820	3,303	2,839
31	41	96.746	30.903,057	617.145,840	19,970	19,506	81	91	9.096	461,105	1.423,030	3,086	2,622
32	42	96.574	29.733,137	586.242,784	19,717	19,252	82	92	6.784	331,499	961,925	2,902	2,437
33	43	96.386	28.602,762	556.509,646	19,457	18,992	83	93	4.885	230,060	630,426	2,740	2,276
34	44	96.177	27.508,990	527.906,884	19,190	18,726	84	94	3.404	154,542	400,366	2,591	2,126
35	45	95.951	26.452,492	500.397,894	18,917	18,452	85	95	2.293	100,308	245,824	2,451	1,986
36	46	95.699	25.429,301	473.945,402	18,638	18,173	86	96	1.494	62,994	145,516	2,310	1,846
37	47	95.419	24.438,531	448.516,101	18,353	17,888	87	97	929	37,776	82,522	2,185	1,720
38	48	95.118	23.481,002	424.077,570	18,060	17,596	88	98	550	21,559	44,747	2,076	1,611
39	49	94.786	22.553,191	400.596,568	17,762	17,298	89	99	310	11,723	23,187	1,978	1,514
40	50	94.412	21.652,275	378.043,377	17,460	16,995	90	100	167	6,071	11,465	1,888	1,424
41	51	94.011	20.781,082	356.391,102	17,150	16,685	91	101	85	2,990	5,394	1,804	1,340
42	52	93.572	19.936,386	335.610,020	16,834	16,370	92	102	41	1,390	2,404	1,729	1,265
43	53	93.084	19.115,447	315.673,634	16,514	16,050	93	103	19	0,610	1,014	1,661	1,197
44	54	92.560	18.320,884	296.558,187	16,187	15,722	94	104	8	0,252	0,403	1,599	1,135
45	55	91.991	17.550,052	278.237,303	15,854	15,390	95	105	3	0,098	0,151	1,543	1,078
46	56	91.360	16.799,802	260.687,251	15,517	15,053	96	106					
47	57	90.685	16.072,830	243.887,450	15,174	14,709	97	107					
48	58	89.941	15.364,938	227.814,620	14,827	14,362	98	108					
49	59	89.143	14.678,093	212.449,681	14,474	14,010	99	109					
							100	110					

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -11 Jahre

Zinsfuß 3,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	11	99.480	99.479,797	2.465.998,107	24,789	24,325	50	61	87.806	13.935,332	193.353,098	13,875	13,411
1	12	99.017	95.437,738	2.366.518,310	24,796	24,332	51	62	86.879	13.289,877	179.417,766	13,500	13,036
2	13	98.968	91.943,210	2.271.080,572	24,701	24,236	52	63	85.885	12.662,965	166.127,889	13,119	12,655
3	14	98.939	88.593,534	2.179.137,363	24,597	24,133	53	64	84.800	12.051,154	153.464,924	12,734	12,270
4	15	98.909	85.365,833	2.090.543,828	24,489	24,025	54	65	83.651	11.458,151	141.413,770	12,342	11,877
5	16	98.878	82.254,587	2.005.177,996	24,378	23,913	55	66	82.405	10.879,423	129.955,619	11,945	11,481
6	17	98.844	79.253,886	1.922.923,408	24,263	23,798	56	67	81.047	10.313,440	119.076,196	11,546	11,081
7	18	98.810	76.363,579	1.843.669,523	24,143	23,679	57	68	79.595	9.762,561	108.762,756	11,141	10,676
8	19	98.770	73.573,196	1.767.305,944	24,021	23,557	58	69	78.004	9.221,584	99.000,195	10,736	10,271
9	20	98.731	70.885,837	1.693.732,747	23,894	23,429	59	70	76.275	8.691,250	89.778,611	10,330	9,865
10	21	98.690	68.295,726	1.622.846,911	23,762	23,298	60	71	74.400	8.171,239	81.087,361	9,924	9,459
11	22	98.657	65.804,916	1.554.551,185	23,624	23,159	61	72	72.370	7.660,975	72.916,122	9,518	9,053
12	23	98.616	63.400,092	1.488.746,269	23,482	23,017	62	73	70.212	7.163,851	65.255,147	9,109	8,645
13	24	98.577	61.084,600	1.425.346,177	23,334	22,870	63	74	67.855	6.673,134	58.091,296	8,705	8,241
14	25	98.538	58.853,096	1.364.261,577	23,181	22,716	64	75	65.352	6.194,703	51.418,162	8,300	7,836
15	26	98.495	56.701,454	1.305.408,481	23,022	22,558	65	76	62.653	5.724,204	45.223,458	7,900	7,436
16	27	98.445	54.623,816	1.248.707,027	22,860	22,396	66	77	59.774	5.263,760	39.499,255	7,504	7,040
17	28	98.378	52.613,958	1.194.083,211	22,695	22,231	67	78	56.723	4.814,528	34.235,495	7,111	6,646
18	29	98.299	50.671,500	1.141.469,253	22,527	22,062	68	79	53.450	4.372,806	29.420,967	6,728	6,264
19	30	98.196	48.788,669	1.090.797,754	22,358	21,893	69	80	49.992	3.942,010	25.048,161	6,354	5,890
20	31	98.085	46.971,964	1.042.009,084	22,184	21,719	70	81	46.332	3.521,357	21.106,151	5,994	5,529
21	32	97.975	45.223,602	995.037,120	22,003	21,538	71	82	42.501	3.113,483	17.584,794	5,648	5,184
22	33	97.863	43.539,350	949.813,518	21,815	21,351	72	83	38.503	2.718,619	14.471,311	5,323	4,859
23	34	97.751	41.917,242	906.274,168	21,621	21,156	73	84	34.485	2.346,947	11.752,691	5,008	4,543
24	35	97.632	40.353,287	864.356,926	21,420	20,955	74	85	30.484	1.999,646	9.405,744	4,704	4,239
25	36	97.511	38.846,615	824.003,639	21,212	20,747	75	86	26.655	1.685,303	7.406,098	4,395	3,930
26	37	97.385	37.393,976	785.157,024	20,997	20,532	76	87	22.860	1.393,094	5.720,795	4,107	3,642
27	38	97.256	35.994,524	747.763,048	20,774	20,310	77	88	19.159	1.125,374	4.327,701	3,846	3,381
28	39	97.118	34.644,455	711.768,524	20,545	20,081	78	89	15.729	890,468	3.202,327	3,596	3,132
29	40	96.969	33.340,999	677.124,069	20,309	19,845	79	90	12.584	686,686	2.311,860	3,367	2,902
30	41	96.817	32.085,362	643.783,070	20,065	19,600	80	91	9.826	516,805	1.625,174	3,145	2,680
31	42	96.650	30.872,509	611.697,709	19,814	19,349	81	92	7.391	374,694	1.108,369	2,958	2,494
32	43	96.465	29.699,697	580.825,199	19,557	19,092	82	93	5.391	263,412	733,675	2,785	2,321
33	44	96.261	28.565,635	551.125,502	19,293	18,829	83	94	3.791	178,529	470,263	2,634	2,170
34	45	96.043	27.470,697	522.559,867	19,022	18,558	84	95	2.577	116,967	291,734	2,494	2,030
35	46	95.799	26.410,538	495.089,169	18,746	18,281	85	96	1.690	73,949	174,767	2,363	1,899
36	47	95.527	25.383,630	468.678,631	18,464	17,999	86	97	1.071	45,177	100,818	2,232	1,767
37	48	95.233	24.391,007	443.295,001	18,175	17,710	87	98	648	26,320	55,641	2,114	1,650
38	49	94.917	23.431,223	418.903,994	17,878	17,414	88	99	372	14,575	29,321	2,012	1,547
39	50	94.558	22.498,912	395.472,770	17,577	17,113	89	100	203	7,679	14,746	1,920	1,456
40	51	94.174	21.597,568	372.973,858	17,269	16,805	90	101	106	3,849	7,067	1,836	1,372
41	52	93.750	20.723,368	351.376,291	16,956	16,491	91	102	52	1,832	3,218	1,757	1,292
42	53	93.289	19.876,114	330.652,923	16,636	16,171	92	103	24	0,822	1,387	1,687	1,222
43	54	92.790	19.055,089	310.776,809	16,309	15,845	93	104	11	0,348	0,564	1,622	1,158
44	55	92.238	18.257,160	291.721,720	15,978	15,514	94	105	4	0,138	0,217	1,564	1,100
45	56	91.642	17.483,592	273.464,560	15,641	15,177	95	106					
46	57	90.993	16.732,355	255.980,968	15,299	14,834	96	107					
47	58	90.280	16.001,096	239.248,613	14,952	14,488	97	108					
48	59	89.508	15.290,946	223.247,517	14,600	14,136	98	109					
49	60	88.690	14.603,473	207.956,571	14,240	13,776	99	110					
							100	111					

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -12 Jahre

Zinsfuß 3,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	12	99.470	99.470,467	2.459.669,732	24,728	24,263	50	62	87.312	13.856,913	188.704,891	13,618	13,154
1	13	99.008	95.429,633	2.360.199,265	24,732	24,268	51	63	86.332	13.206,245	174.847,978	13,240	12,775
2	14	98.959	91.934,301	2.264.769,632	24,635	24,170	52	64	85.301	12.576,834	161.641,733	12,852	12,388
3	15	98.927	88.583,211	2.172.835,331	24,529	24,064	53	65	84.180	11.963,026	149.064,899	12,460	11,996
4	16	98.891	85.350,580	2.084.252,120	24,420	23,955	54	66	82.968	11.364,568	137.101,873	12,064	11,600
5	17	98.857	82.237,168	1.998.901,540	24,307	23,842	55	67	81.658	10.780,893	125.737,305	11,663	11,199
6	18	98.822	79.236,448	1.916.664,372	24,189	23,725	56	68	80.223	10.208,604	114.956,412	11,261	10,796
7	19	98.782	76.341,618	1.837.427,923	24,068	23,604	57	69	78.685	9.650,901	104.747,809	10,854	10,389
8	20	98.742	73.552,801	1.761.086,306	23,943	23,479	58	70	77.009	9.103,933	95.096,908	10,446	9,981
9	21	98.700	70.863,447	1.687.533,504	23,814	23,349	59	71	75.191	8.567,717	85.992,975	10,037	9,572
10	22	98.666	68.279,016	1.616.670,057	23,677	23,213	60	72	73.194	8.038,765	77.425,258	9,631	9,167
11	23	98.630	65.787,099	1.548.391,042	23,536	23,072	61	73	71.065	7.522,854	69.386,493	9,223	8,759
12	24	98.590	63.383,550	1.482.603,942	23,391	22,927	62	74	68.781	7.017,907	61.863,639	8,815	8,351
13	25	98.551	61.068,005	1.419.220,392	23,240	22,776	63	75	66.310	6.521,242	54.845,732	8,410	7,946
14	26	98.514	58.838,614	1.358.152,387	23,083	22,618	64	76	63.658	6.034,090	48.324,490	8,009	7,544
15	27	98.468	56.685,580	1.299.313,773	22,921	22,457	65	77	60.839	5.558,497	42.290,400	7,608	7,144
16	28	98.416	54.607,897	1.242.628,192	22,755	22,291	66	78	57.829	5.092,516	36.731,902	7,213	6,748
17	29	98.349	52.598,341	1.188.020,296	22,587	22,122	67	79	54.620	4.636,092	31.639,386	6,825	6,360
18	30	98.270	50.656,668	1.135.421,955	22,414	21,950	68	80	51.202	4.188,859	27.003,294	6,446	5,982
19	31	98.164	48.772,695	1.084.765,287	22,241	21,777	69	81	47.556	3.749,977	22.814,435	6,084	5,619
20	32	98.050	46.955,186	1.035.992,592	22,063	21,599	70	82	43.749	3.325,063	19.064,458	5,734	5,269
21	33	97.940	45.207,522	989.037,407	21,878	21,413	71	83	39.755	2.912,277	15.739,395	5,404	4,940
22	34	97.824	43.521,952	943.829,885	21,686	21,222	72	84	35.744	2.523,809	12.827,118	5,082	4,618
23	35	97.705	41.897,590	900.307,933	21,488	21,024	73	85	31.714	2.158,343	10.303,309	4,774	4,309
24	36	97.582	40.332,628	858.410,342	21,283	20,819	74	86	27.837	1.826,027	8.144,967	4,460	3,996
25	37	97.456	38.824,649	818.077,715	21,071	20,607	75	87	23.968	1.515,400	6.318,939	4,170	3,705
26	38	97.325	37.371,045	779.253,066	20,852	20,387	76	88	20.165	1.228,879	4.803,539	3,909	3,444
27	39	97.188	35.969,346	741.882,020	20,625	20,161	77	89	16.639	977,357	3.574,660	3,657	3,193
28	40	97.040	34.616,731	705.912,675	20,392	19,928	78	90	13.397	758,478	2.597,303	3,424	2,960
29	41	96.885	33.311,992	671.295,944	20,152	19,687	79	91	10.527	574,439	1.838,824	3,201	2,737
30	42	96.721	32.053,646	637.983,952	19,904	19,439	80	92	7.985	419,956	1.264,386	3,011	2,546
31	43	96.542	30.837,788	605.930,306	19,649	19,185	81	93	5.873	297,736	844,430	2,836	2,372
32	44	96.340	29.661,147	575.092,518	19,389	18,924	82	94	4.183	204,410	546,694	2,674	2,210
33	45	96.127	28.525,872	545.431,371	19,121	18,656	83	95	2.869	135,121	342,284	2,533	2,069
34	46	95.891	27.427,129	516.905,500	18,847	18,382	84	96	1.900	86,231	207,163	2,402	1,938
35	47	95.627	26.363,105	489.478,371	18,567	18,102	85	97	1.212	53,034	120,932	2,280	1,816
36	48	95.341	25.334,268	463.115,266	18,280	17,816	86	98	746	31,477	67,899	2,157	1,693
37	49	95.032	24.339,300	437.780,998	17,987	17,522	87	99	438	17,793	36,422	2,047	1,583
38	50	94.688	23.374,831	413.441,698	17,687	17,223	88	100	244	9,547	18,629	1,951	1,487
39	51	94.319	22.442,066	390.066,867	17,381	16,917	89	101	129	4,868	9,081	1,865	1,401
40	52	93.912	21.537,586	367.624,801	17,069	16,605	90	102	65	2,358	4,213	1,787	1,322
41	53	93.467	20.660,717	346.087,215	16,751	16,287	91	103	31	1,083	1,855	1,712	1,248
42	54	92.995	19.813,354	325.426,499	16,425	15,960	92	104	14	0,469	0,771	1,646	1,181
43	55	92.467	18.988,811	305.613,145	16,094	15,630	93	105	6	0,191	0,303	1,586	1,121
44	56	91.889	18.188,023	286.624,334	15,759	15,295	94	106					
45	57	91.274	17.413,401	268.436,311	15,416	14,951	95	107					
46	58	90.587	16.657,677	251.022,910	15,070	14,605	96	108					
47	59	89.845	15.924,040	234.365,233	14,718	14,253	97	109					
48	60	89.053	15.213,210	218.441,193	14,359	13,894	98	110					
49	61	88.202	14.523,091	203.227,983	13,993	13,529	99	111					
							100	112					

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -13 Jahre

Zinsfuß 3,75%

Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	13	99.462	99.462,020	2.452.968,211	24,662	24,198	50	63	86.762	13.769,713	183.821,346	13,350	12,885
1	14	98.999	95.420,386	2.353.506,192	24,665	24,200	51	64	85.745	13.116,419	170.051,633	12,965	12,500
2	15	98.947	91.923,589	2.258.085,806	24,565	24,100	52	65	84.677	12.484,862	156.935,215	12,570	12,106
3	16	98.910	88.567,384	2.166.162,217	24,458	23,993	53	66	83.493	11.865,320	144.450,353	12,174	11,710
4	17	98.871	85.332,505	2.077.594,833	24,347	23,883	54	67	82.217	11.261,644	132.585,033	11,773	11,309
5	18	98.836	82.219,074	1.992.262,328	24,231	23,767	55	68	80.828	10.671,305	121.323,390	11,369	10,905
6	19	98.794	79.213,661	1.910.043,254	24,113	23,648	56	69	79.306	10.091,842	110.652,084	10,965	10,500
7	20	98.755	76.320,455	1.830.829,593	23,989	23,524	57	70	77.681	9.527,773	100.560,242	10,554	10,090
8	21	98.711	73.529,569	1.754.509,138	23,861	23,397	58	71	75.914	8.974,534	91.032,470	10,143	9,679
9	22	98.675	70.846,109	1.680.979,569	23,727	23,263	59	72	73.972	8.428,815	82.057,936	9,735	9,271
10	23	98.639	68.260,530	1.610.133,460	23,588	23,124	60	73	71.874	7.893,833	73.629,121	9,327	8,863
11	24	98.604	65.769,935	1.541.872,930	23,443	22,979	61	74	69.617	7.369,596	65.735,288	8,920	8,455
12	25	98.563	63.366,330	1.476.102,995	23,295	22,830	62	75	67.216	6.858,167	58.365,692	8,510	8,046
13	26	98.526	61.052,978	1.412.736,664	23,140	22,675	63	76	64.591	6.352,163	51.507,525	8,109	7,644
14	27	98.486	58.822,142	1.351.683,686	22,979	22,515	64	77	61.815	5.859,413	45.155,362	7,706	7,242
15	28	98.439	56.669,060	1.292.861,544	22,814	22,350	65	78	58.860	5.377,665	39.295,949	7,307	6,843
16	29	98.387	54.591,688	1.236.192,484	22,644	22,180	66	79	55.686	4.903,777	33.918,284	6,917	6,452
17	30	98.320	52.582,945	1.181.600,796	22,471	22,007	67	80	52.323	4.441,069	29.014,507	6,533	6,069
18	31	98.238	50.640,082	1.129.017,851	22,295	21,831	68	81	48.708	3.984,801	24.573,437	6,167	5,702
19	32	98.129	48.755,273	1.078.377,770	22,118	21,654	69	82	44.905	3.540,939	20.588,636	5,814	5,350
20	33	98.015	46.938,490	1.029.622,497	21,936	21,471	70	83	40.922	3.110,184	17.047,697	5,481	5,017
21	34	97.901	45.189,458	982.684,007	21,746	21,281	71	84	36.906	2.703,589	13.937,513	5,155	4,691
22	35	97.778	43.501,548	937.494,549	21,551	21,086	72	85	32.871	2.320,991	11.233,924	4,840	4,376
23	36	97.655	41.876,140	893.993,001	21,349	20,884	73	86	28.961	1.970,946	8.912,933	4,522	4,058
24	37	97.527	40.309,821	852.116,860	21,139	20,675	74	87	25.031	1.641,938	6.941,987	4,228	3,764
25	38	97.397	38.800,841	811.807,039	20,922	20,458	75	88	21.143	1.336,768	5.300,050	3,965	3,500
26	39	97.257	37.344,904	773.006,198	20,699	20,235	76	89	17.513	1.067,249	3.963,281	3,714	3,249
27	40	97.110	35.940,561	735.661,294	20,469	20,004	77	90	14.173	832,488	2.896,033	3,479	3,014
28	41	96.956	34.586,615	699.720,733	20,231	19,767	78	91	11.207	634,496	2.063,544	3,252	2,788
29	42	96.789	33.279,064	665.134,119	19,987	19,522	79	92	8.554	466,789	1.429,048	3,061	2,597
30	43	96.612	32.017,596	631.855,055	19,735	19,270	80	93	6.345	333,701	962,259	2,884	2,419
31	44	96.416	30.797,760	599.837,459	19,477	19,012	81	94	4.558	231,046	628,559	2,720	2,256
32	45	96.206	29.619,858	569.039,699	19,211	18,747	82	95	3.166	154,710	397,513	2,569	2,105
33	46	95.975	28.480,629	539.419,841	18,940	18,475	83	96	2.115	99,615	242,803	2,437	1,973
34	47	95.718	27.377,870	510.939,212	18,662	18,198	84	97	1.362	61,842	143,189	2,315	1,851
35	48	95.441	26.311,838	483.561,342	18,378	17,914	85	98	845	36,951	81,347	2,201	1,737
36	49	95.139	25.280,561	457.249,503	18,087	17,623	86	99	505	21,279	44,396	2,086	1,622
37	50	94.803	24.280,722	431.968,942	17,791	17,326	87	100	287	11,656	23,117	1,983	1,519
38	51	94.449	23.315,771	407.688,220	17,486	17,021	88	101	154	6,053	11,461	1,894	1,429
39	52	94.057	22.379,739	384.372,449	17,175	16,711	89	102	79	2,983	5,408	1,813	1,349
40	53	93.628	21.472,473	361.992,710	16,858	16,394	90	103	38	1,395	2,426	1,739	1,275
41	54	93.172	20.595,480	340.520,237	16,534	16,069	91	104	18	0,618	1,031	1,669	1,205
42	55	92.671	19.744,438	319.924,757	16,203	15,739	92	105	8	0,257	0,413	1,607	1,143
43	56	92.117	18.916,903	300.180,319	15,868	15,404	93	106					
44	57	91.520	18.115,003	281.263,416	15,527	15,062	94	107					
45	58	90.867	17.335,683	263.148,413	15,180	14,715	95	108					
46	59	90.151	16.577,460	245.812,730	14,828	14,364	96	109					
47	60	89.388	15.843,086	229.235,270	14,469	14,005	97	110					
48	61	88.563	15.129,473	213.392,184	14,104	13,640	98	111					
49	62	87.705	14.441,365	198.262,711	13,729	13,264	99	112					
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -14 Jahre

Zinsfuß 3,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	14	99.452	99.452,383	2.445.880,545	24,593	24,129	50	64	86.172	13.676,054	178.704,903	13,067	12,603
1	15	98.987	95.409,268	2.346.428,162	24,593	24,129	51	65	85.118	13.020,501	165.028,849	12,675	12,210
2	16	98.929	91.907,165	2.251.018,895	24,492	24,028	52	66	83.985	12.382,893	152.008,348	12,276	11,811
3	17	98.889	88.548,628	2.159.111,730	24,383	23,919	53	67	82.737	11.757,860	139.625,455	11,875	11,411
4	18	98.849	85.313,730	2.070.563,102	24,270	23,806	54	68	81.381	11.147,169	127.867,595	11,471	11,006
5	19	98.807	82.195,429	1.985.249,372	24,153	23,688	55	69	79.904	10.549,251	116.720,426	11,064	10,600
6	20	98.766	79.191,702	1.903.053,943	24,031	23,567	56	70	78.294	9.963,088	106.171,174	10,656	10,192
7	21	98.723	76.296,349	1.823.862,241	23,905	23,441	57	71	76.577	9.392,349	96.208,086	10,243	9,779
8	22	98.687	73.511,579	1.747.565,892	23,773	23,308	58	72	74.683	8.829,037	86.815,737	9,833	9,369
9	23	98.649	70.826,928	1.674.054,314	23,636	23,171	59	73	72.638	8.276,851	77.986,700	9,422	8,958
10	24	98.614	68.242,720	1.603.227,386	23,493	23,029	60	74	70.410	7.733,017	69.709,849	9,015	8,550
11	25	98.578	65.752,067	1.534.984,665	23,345	22,881	61	75	68.033	7.201,851	61.976,832	8,606	8,141
12	26	98.539	63.350,738	1.469.232,599	23,192	22,728	62	76	65.473	6.680,352	54.774,981	8,199	7,735
13	27	98.499	61.035,886	1.405.881,861	23,034	22,569	63	77	62.721	6.168,278	48.094,629	7,797	7,333
14	28	98.457	58.804,999	1.344.845,975	22,870	22,405	64	78	59.804	5.668,791	41.926,351	7,396	6,932
15	29	98.410	56.652,240	1.286.040,976	22,701	22,236	65	79	56.679	5.178,358	36.257,560	7,002	6,537
16	30	98.358	54.575,708	1.229.388,736	22,526	22,062	66	80	53.343	4.697,494	31.079,202	6,616	6,152
17	31	98.288	52.565,728	1.174.813,027	22,349	21,885	67	81	49.774	4.224,725	26.381,708	6,245	5,780
18	32	98.203	50.621,993	1.122.247,299	22,169	21,705	68	82	45.993	3.762,673	22.156,982	5,889	5,424
19	33	98.094	48.737,937	1.071.625,306	21,987	21,523	69	83	42.003	3.312,109	18.394,309	5,554	5,089
20	34	97.976	46.919,734	1.022.887,370	21,801	21,336	70	84	37.989	2.887,315	15.082,200	5,224	4,759
21	35	97.855	45.168,272	975.967,636	21,607	21,143	71	85	33.940	2.486,325	12.194,886	4,905	4,440
22	36	97.728	43.479,277	930.799,363	21,408	20,943	72	86	30.017	2.119,472	9.708,561	4,581	4,116
23	37	97.599	41.852,461	887.320,086	21,201	20,737	73	87	26.041	1.772,246	7.589,089	4,282	3,818
24	38	97.467	40.285,103	845.467,625	20,987	20,523	74	88	22.080	1.448,390	5.816,843	4,016	3,552
25	39	97.328	38.773,699	805.182,522	20,766	20,302	75	89	18.362	1.160,947	4.368,453	3,763	3,298
26	40	97.179	37.315,018	766.408,823	20,539	20,074	76	90	14.917	909,056	3.207,506	3,528	3,064
27	41	97.025	35.909,293	729.093,805	20,304	19,839	77	91	11.856	696,408	2.298,450	3,300	2,836
28	42	96.860	34.552,426	693.184,512	20,062	19,597	78	92	9.107	515,591	1.602,042	3,107	2,643
29	43	96.680	33.241,636	658.632,085	19,813	19,349	79	93	6.797	370,915	1.086,451	2,929	2,465
30	44	96.487	31.976,036	625.390,449	19,558	19,094	80	94	4.923	258,955	715,536	2,763	2,299
31	45	96.282	30.754,889	593.414,413	19,295	18,831	81	95	3.449	174,869	456,581	2,611	2,147
32	46	96.053	29.572,881	562.659,524	19,026	18,562	82	96	2.334	114,056	281,712	2,470	2,006
33	47	95.802	28.429,479	533.086,643	18,751	18,287	83	97	1.517	71,440	167,656	2,347	1,882
34	48	95.532	27.324,630	504.657,165	18,469	18,005	84	98	949	43,088	96,216	2,233	1,769
35	49	95.239	26.256,059	477.332,535	18,180	17,715	85	99	571	24,980	53,128	2,127	1,662
36	50	94.910	25.219,718	451.076,476	17,886	17,421	86	100	331	13,939	28,148	2,019	1,555
37	51	94.563	24.219,373	425.856,758	17,583	17,119	87	101	182	7,389	14,209	1,923	1,458
38	52	94.187	23.251,018	401.637,385	17,274	16,810	88	102	95	3,708	6,820	1,839	1,375
39	53	93.773	22.312,080	378.386,367	16,959	16,494	89	103	47	1,764	3,111	1,764	1,299
40	54	93.332	21.404,673	356.074,287	16,635	16,171	90	104	22	0,795	1,347	1,694	1,230
41	55	92.848	20.523,844	334.669,613	16,306	15,842	91	105	10	0,339	0,552	1,629	1,164
42	56	92.320	19.669,669	314.145,770	15,971	15,507	92	106					
43	57	91.747	18.840,957	294.476,101	15,630	15,165	93	107					
44	58	91.111	18.034,154	275.635,144	15,284	14,820	94	108					
45	59	90.429	17.252,201	257.600,990	14,931	14,467	95	109					
46	60	89.693	16.493,184	240.348,789	14,573	14,108	96	110					
47	61	88.896	15.755,882	223.855,605	14,208	13,743	97	111					
48	62	88.065	15.044,334	208.099,724	13,832	13,368	98	112					
49	63	87.153	14.350,487	193.055,390	13,453	12,988	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -15 Jahre

Zinsfuß 3,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	15	99.441	99.440,794	2.438.395,813	24,521	24,057	50	65	85.542	13.576,043	173.356,125	12,769	12,305
1	16	98.969	95.392,221	2.338.955,019	24,519	24,055	51	66	84.423	12.914,157	159.780,081	12,372	11,908
2	17	98.908	91.887,701	2.243.562,798	24,416	23,952	52	67	83.225	12.270,746	146.865,924	11,969	11,504
3	18	98.867	88.529,145	2.151.675,097	24,305	23,840	53	68	81.896	11.638,342	134.595,178	11,565	11,100
4	19	98.820	85.289,195	2.063.145,952	24,190	23,726	54	69	80.450	11.019,673	122.956,836	11,158	10,694
5	20	98.780	82.172,644	1.977.856,757	24,070	23,605	55	70	78.884	10.414,662	111.937,163	10,748	10,284
6	21	98.735	79.166,689	1.895.684,113	23,945	23,481	56	71	77.181	9.821,478	101.522,501	10,337	9,872
7	22	98.699	76.277,681	1.816.517,424	23,815	23,350	57	72	75.335	9.240,078	91.701,023	9,924	9,460
8	23	98.660	73.491,676	1.740.239,743	23,679	23,215	58	73	73.337	8.669,857	82.460,945	9,511	9,047
9	24	98.623	70.808,449	1.666.748,067	23,539	23,074	59	74	71.158	8.108,232	73.791,088	9,101	8,636
10	25	98.587	68.224,180	1.595.939,618	23,393	22,928	60	75	68.807	7.557,000	65.682,857	8,692	8,227
11	26	98.553	65.735,888	1.527.715,438	23,240	22,776	61	76	66.269	7.015,125	58.125,856	8,286	7,821
12	27	98.512	63.333,002	1.461.979,550	23,084	22,620	62	77	63.578	6.486,967	51.110,731	7,879	7,415
13	28	98.470	61.018,098	1.398.646,548	22,922	22,457	63	78	60.681	5.967,609	44.623,765	7,478	7,013
14	29	98.428	58.787,544	1.337.628,450	22,754	22,289	64	79	57.587	5.458,694	38.656,156	7,082	6,617
15	30	98.381	56.635,657	1.278.840,905	22,580	22,116	65	80	54.294	4.960,524	33.197,462	6,692	6,228
16	31	98.326	54.557,839	1.222.205,248	22,402	21,938	66	81	50.745	4.468,659	28.236,938	6,319	5,854
17	32	98.253	52.546,951	1.167.647,409	22,221	21,757	67	82	46.999	3.989,223	23.768,279	5,958	5,494
18	33	98.168	50.603,993	1.115.100,457	22,036	21,571	68	83	43.020	3.519,514	19.779,056	5,620	5,155
19	34	98.055	48.718,462	1.064.496,465	21,850	21,386	69	84	38.993	3.074,770	16.259,543	5,288	4,824
20	35	97.930	46.897,737	1.015.778,003	21,659	21,195	70	85	34.936	2.655,286	13.184,773	4,965	4,501
21	36	97.805	45.145,148	968.880,265	21,461	20,997	71	86	30.993	2.270,450	10.529,487	4,638	4,173
22	37	97.673	43.454,692	923.735,117	21,257	20,793	72	87	26.991	1.905,799	8.259,037	4,334	3,869
23	38	97.540	41.826,796	880.280,426	21,046	20,581	73	88	22.971	1.563,338	6.353,238	4,064	3,599
24	39	97.399	40.256,923	838.453,629	20,828	20,363	74	89	19.176	1.257,887	4.789,900	3,808	3,343
25	40	97.251	38.742,670	798.196,707	20,603	20,138	75	90	15.640	988,866	3.532,013	3,572	3,107
26	41	97.095	37.282,555	759.454,036	20,370	19,906	76	91	12.479	760,460	2.543,147	3,344	2,880
27	42	96.930	35.873,797	722.171,481	20,131	19,666	77	92	9.634	565,901	1.782,687	3,150	2,686
28	43	96.751	34.513,566	686.297,684	19,885	19,420	78	93	7.237	409,694	1.216,786	2,970	2,506
29	44	96.555	33.198,488	651.784,118	19,633	19,169	79	94	5.275	287,834	807,092	2,804	2,340
30	45	96.352	31.931,525	618.585,631	19,372	18,908	80	95	3.726	195,993	519,258	2,649	2,185
31	46	96.129	30.706,112	586.654,105	19,105	18,641	81	96	2.543	128,918	323,266	2,508	2,043
32	47	95.881	29.519,768	555.947,994	18,833	18,369	82	97	1.674	81,797	194,348	2,376	1,912
33	48	95.616	28.374,193	526.428,225	18,553	18,089	83	98	1.057	49,775	112,551	2,261	1,797
34	49	95.330	27.266,703	498.054,032	18,266	17,802	84	99	642	29,129	62,776	2,155	1,691
35	50	95.009	26.192,868	470.787,328	17,974	17,509	85	100	374	16,364	33,647	2,056	1,592
36	51	94.670	25.155,997	444.594,460	17,673	17,209	86	101	210	8,837	17,284	1,956	1,491
37	52	94.301	24.152,110	419.438,464	17,367	16,902	87	102	111	4,527	8,447	1,866	1,401
38	53	93.902	23.180,725	395.286,353	17,052	16,588	88	103	56	2,193	3,919	1,787	1,323
39	54	93.477	22.241,629	372.105,628	16,730	16,266	89	104	27	1,006	1,726	1,717	1,252
40	55	93.008	21.330,222	349.863,999	16,402	15,938	90	105	12	0,436	0,721	1,651	1,187
41	56	92.496	20.446,123	328.533,777	16,068	15,604	91	106					
42	57	91.950	19.590,701	308.087,654	15,726	15,262	92	107					
43	58	91.337	18.756,868	288.496,953	15,381	14,916	93	108					
44	59	90.673	17.947,308	269.740,085	15,030	14,565	94	109					
45	60	89.970	17.164,494	251.792,777	14,669	14,205	95	110					
46	61	89.199	16.402,401	234.628,282	14,305	13,840	96	111					
47	62	88.396	15.667,218	218.225,881	13,929	13,464	97	112					
48	63	87.511	14.949,662	202.558,664	13,549	13,085	98						
49	64	86.560	14.252,877	187.609,002	13,163	12,698	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -16 Jahre

Zinsfuß 3,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	16	99.423	99.423,027	2.430.503,837	24,446	23,982	50	66	84.843	13.465,162	167.775,881	12,460	11,996
1	17	98.948	95.372,019	2.331.080,810	24,442	23,978	51	67	83.658	12.797,199	154.310,719	12,058	11,594
2	18	98.887	91.867,484	2.235.708,791	24,336	23,872	52	68	82.379	12.146,014	141.513,520	11,651	11,187
3	19	98.838	88.503,685	2.143.841,307	24,223	23,759	53	69	80.959	11.505,228	129.367,505	11,244	10,780
4	20	98.793	85.265,552	2.055.337,623	24,105	23,641	54	70	79.424	10.879,082	117.862,278	10,834	10,369
5	21	98.749	82.146,689	1.970.072,070	23,982	23,518	55	71	77.763	10.266,633	106.983,196	10,420	9,956
6	22	98.711	79.147,319	1.887.925,382	23,853	23,389	56	72	75.930	9.662,249	96.716,563	10,010	9,545
7	23	98.673	76.257,030	1.808.778,062	23,719	23,255	57	73	73.977	9.073,488	87.054,314	9,594	9,130
8	24	98.635	73.472,502	1.732.521,032	23,581	23,116	58	74	71.843	8.493,231	77.980,826	9,182	8,717
9	25	98.596	70.789,212	1.659.048,531	23,436	22,972	59	75	69.538	7.923,675	69.487,595	8,770	8,305
10	26	98.563	68.207,393	1.588.259,319	23,286	22,821	60	76	67.023	7.361,066	61.563,920	8,363	7,899
11	27	98.526	65.717,484	1.520.051,927	23,130	22,666	61	77	64.351	6.812,049	54.202,854	7,957	7,492
12	28	98.483	63.314,545	1.454.334,443	22,970	22,506	62	78	61.509	6.275,929	47.390,805	7,551	7,087
13	29	98.441	60.999,987	1.391.019,897	22,804	22,339	63	79	58.432	5.746,436	41.114,876	7,155	6,690
14	30	98.399	58.770,337	1.330.019,911	22,631	22,166	64	80	55.165	5.229,068	35.368,440	6,764	6,299
15	31	98.349	56.617,114	1.271.249,574	22,453	21,989	65	81	51.649	4.718,875	30.139,372	6,387	5,923
16	32	98.291	54.538,351	1.214.632,460	22,271	21,807	66	82	47.916	4.219,558	25.420,496	6,024	5,560
17	33	98.218	52.528,267	1.160.094,109	22,085	21,621	67	83	43.962	3.731,423	21.200,938	5,682	5,217
18	34	98.129	50.583,773	1.107.565,842	21,896	21,431	68	84	39.938	3.267,313	17.469,515	5,347	4,882
19	35	98.009	48.695,622	1.056.982,070	21,706	21,241	69	85	35.860	2.827,677	14.202,203	5,023	4,558
20	36	97.879	46.873,728	1.008.286,448	21,511	21,046	70	86	31.903	2.424,741	11.374,526	4,691	4,227
21	37	97.750	45.119,620	961.412,720	21,308	20,844	71	87	27.869	2.041,556	8.949,785	4,384	3,919
22	38	97.613	43.428,044	916.293,100	21,099	20,635	72	88	23.809	1.681,148	6.908,228	4,109	3,645
23	39	97.471	41.797,538	872.865,056	20,883	20,419	73	89	19.950	1.357,716	5.227,081	3,850	3,385
24	40	97.321	40.224,707	831.067,517	20,661	20,196	74	90	16.334	1.071,437	3.869,364	3,611	3,147
25	41	97.166	38.708,965	790.842,811	20,430	19,966	75	91	13.084	827,224	2.797,927	3,382	2,918
26	42	96.999	37.245,702	752.133,846	20,194	19,729	76	92	10.140	617,950	1.970,703	3,189	2,725
27	43	96.821	35.833,451	714.888,145	19,950	19,486	77	93	7.656	449,671	1.352,753	3,008	2,544
28	44	96.626	34.468,767	679.054,694	19,701	19,236	78	94	5.616	317,926	903,082	2,841	2,376
29	45	96.420	33.152,275	644.585,927	19,443	18,979	79	95	3.992	217,850	585,156	2,686	2,222
30	46	96.200	31.880,882	611.433,652	19,179	18,714	80	96	2.747	144,490	367,306	2,542	2,078
31	47	95.957	30.650,964	579.552,770	18,908	18,444	81	97	1.824	92,455	222,816	2,410	1,946
32	48	95.694	29.462,363	548.901,806	18,631	18,166	82	98	1.166	56,991	130,361	2,287	1,823
33	49	95.413	28.314,042	519.439,443	18,346	17,881	83	99	714	33,650	73,370	2,180	1,716
34	50	95.100	27.201,080	491.125,401	18,055	17,591	84	100	420	19,081	39,720	2,082	1,617
35	51	94.769	26.126,688	463.924,321	17,757	17,292	85	101	237	10,374	20,639	1,990	1,525
36	52	94.407	25.086,133	437.797,633	17,452	16,987	86	102	128	5,414	10,265	1,896	1,431
37	53	94.016	24.079,093	412.711,500	17,140	16,675	87	103	66	2,678	4,851	1,812	1,347
38	54	93.606	23.107,531	388.632,407	16,818	16,354	88	104	32	1,250	2,173	1,738	1,274
39	55	93.151	22.164,267	365.524,876	16,492	16,027	89	105	15	0,552	0,923	1,672	1,207
40	56	92.656	21.249,448	343.360,608	16,159	15,694	90	106					
41	57	92.125	20.364,037	322.111,161	15,818	15,353	91	107					
42	58	91.539	19.503,266	301.747,123	15,472	15,007	92	108					
43	59	90.898	18.666,542	282.243,857	15,120	14,656	93	109					
44	60	90.212	17.856,068	263.577,316	14,761	14,297	94	110					
45	61	89.474	17.070,017	245.721,248	14,395	13,930	95	111					
46	62	88.697	16.310,099	228.651,231	14,019	13,555	96	112					
47	63	87.840	15.568,625	212.341,132	13,639	13,175	97						
48	64	86.915	14.847,977	196.772,506	13,252	12,788	98						
49	65	85.927	14.148,649	181.924,530	12,858	12,394	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -17 Jahre

Zinsfuß 3,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	17	99.402	99.401,972	2.422.198,784	24,368	23,903	50	67	84.075	13.343,214	161.970,123	12,139	11,674
1	18	98.927	95.351,035	2.322.796,812	24,360	23,896	51	68	82.808	12.667,116	148.626,909	11,733	11,269
2	19	98.858	91.841,064	2.227.445,777	24,253	23,789	52	69	81.437	12.007,093	135.959,794	11,323	10,859
3	20	98.811	88.479,151	2.135.604,713	24,137	23,672	53	70	79.926	11.358,442	123.952,700	10,913	10,448
4	21	98.762	85.238,620	2.047.125,562	24,016	23,552	54	71	78.295	10.724,451	112.594,258	10,499	10,034
5	22	98.724	82.126,590	1.961.886,941	23,889	23,424	55	72	76.502	10.100,188	101.869,807	10,086	9,622
6	23	98.684	79.125,891	1.879.760,351	23,757	23,292	56	73	74.561	9.488,048	91.769,619	9,672	9,208
7	24	98.647	76.237,134	1.800.634,461	23,619	23,154	57	74	72.470	8.888,639	82.281,572	9,257	8,793
8	25	98.608	73.452,541	1.724.397,327	23,476	23,012	58	75	70.208	8.299,911	73.392,932	8,843	8,378
9	26	98.572	70.771,793	1.650.944,786	23,328	22,863	59	76	67.735	7.718,233	65.093,021	8,434	7,969
10	27	98.535	68.188,297	1.580.172,993	23,174	22,709	60	77	65.083	7.147,975	57.374,788	8,027	7,562
11	28	98.497	65.698,332	1.511.984,696	23,014	22,550	61	78	62.257	6.590,436	50.226,813	7,621	7,157
12	29	98.454	63.295,752	1.446.286,364	22,850	22,385	62	79	59.230	6.043,330	43.636,377	7,221	6,756
13	30	98.412	60.982,131	1.382.990,612	22,679	22,214	63	80	55.974	5.504,706	37.593,047	6,829	6,365
14	31	98.367	58.751,094	1.322.008,480	22,502	22,037	64	81	52.478	4.974,337	32.088,341	6,451	5,986
15	32	98.314	56.596,890	1.263.257,386	22,320	21,856	65	82	48.770	4.455,827	27.114,004	6,085	5,621
16	33	98.256	54.518,958	1.206.660,496	22,133	21,668	66	83	44.820	3.946,873	22.658,177	5,741	5,276
17	34	98.179	52.507,278	1.152.141,538	21,943	21,478	67	84	40.812	3.464,037	18.711,304	5,402	4,937
18	35	98.083	50.560,058	1.099.634,260	21,749	21,285	68	85	36.728	3.004,746	15.247,267	5,074	4,610
19	36	97.958	48.670,692	1.049.074,202	21,555	21,090	69	86	32.746	2.582,165	12.242,521	4,741	4,277
20	37	97.824	46.847,222	1.000.403,510	21,355	20,890	70	87	28.687	2.180,293	9.660,356	4,431	3,966
21	38	97.690	45.091,952	953.556,288	21,147	20,683	71	88	24.584	1.800,902	7.480,064	4,154	3,689
22	39	97.545	43.397,666	908.464,336	20,933	20,469	72	89	20.678	1.460,031	5.679,161	3,890	3,425
23	40	97.393	41.764,089	865.066,670	20,713	20,249	73	90	16.993	1.156,469	4.219,130	3,648	3,184
24	41	97.237	40.189,712	823.302,581	20,485	20,021	74	91	13.664	896,298	3.062,661	3,417	2,953
25	42	97.070	38.670,702	783.112,869	20,251	19,786	75	92	10.632	672,202	2.166,363	3,223	2,758
26	43	96.890	37.203,812	744.442,167	20,010	19,545	76	93	8.058	491,029	1.494,161	3,043	2,578
27	44	96.695	35.786,938	707.238,355	19,762	19,298	77	94	5.941	348,949	1.003,132	2,875	2,410
28	45	96.491	34.420,786	671.451,417	19,507	19,043	78	95	4.250	240,626	654,183	2,719	2,254
29	46	96.267	33.099,695	637.030,631	19,246	18,781	79	96	2.943	160,604	413,557	2,575	2,111
30	47	96.027	31.823,624	603.930,935	18,977	18,513	80	97	1.970	103,623	252,953	2,441	1,977
31	48	95.770	30.591,359	572.107,311	18,702	18,237	81	98	1.271	64,418	149,330	2,318	1,854
32	49	95.492	29.399,905	541.515,952	18,419	17,955	82	99	788	38,528	84,912	2,204	1,740
33	50	95.184	28.245,898	512.116,048	18,131	17,666	83	100	468	22,043	46,385	2,104	1,640
34	51	94.860	27.132,353	483.870,150	17,834	17,369	84	101	266	12,097	24,342	2,012	1,548
35	52	94.506	26.054,128	456.737,797	17,530	17,066	85	102	145	6,356	12,245	1,927	1,462
36	53	94.122	25.010,292	430.683,669	17,220	16,756	86	103	76	3,202	5,889	1,839	1,375
37	54	93.719	24.003,063	405.673,377	16,901	16,436	87	104	38	1,526	2,687	1,760	1,296
38	55	93.280	23.027,158	381.670,314	16,575	16,110	88	105	18	0,686	1,161	1,691	1,227
39	56	92.799	22.080,334	358.643,156	16,243	15,778	89						
40	57	92.284	21.164,137	336.562,822	15,903	15,438	90						
41	58	91.714	20.273,151	315.398,685	15,557	15,093	91						
42	59	91.099	19.409,345	295.125,534	15,205	14,741	92						
43	60	90.435	18.571,645	275.716,189	14,846	14,382	93						
44	61	89.715	17.757,784	257.144,544	14,481	14,016	94						
45	62	88.971	16.973,958	239.386,760	14,103	13,639	95						
46	63	88.139	16.207,461	222.412,802	13,723	13,258	96						
47	64	87.242	15.462,730	206.205,341	13,336	12,871	97						
48	65	86.280	14.739,396	190.742,611	12,941	12,477	98						
49	66	85.226	14.033,091	176.003,215	12,542	12,078	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -18 Jahre

Zinsfuß 3,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	18	99.380	99.380,101	2.413.471,883	24,285	23,821	50	68	83.220	13.207,580	155.945,542	11,807	11,343
1	19	98.898	95.323,613	2.314.091,782	24,276	23,812	51	69	81.861	12.522,235	142.737,962	11,399	10,934
2	20	98.831	91.815,605	2.218.768,169	24,165	23,701	52	70	80.398	11.853,905	130.215,727	10,985	10,521
3	21	98.780	88.451,204	2.126.952,564	24,047	23,582	53	71	78.790	11.196,998	118.361,822	10,571	10,106
4	22	98.738	85.217,765	2.038.501,360	23,921	23,457	54	72	77.025	10.550,584	107.164,824	10,157	9,693
5	23	98.698	82.104,355	1.953.283,595	23,790	23,326	55	73	75.123	9.918,090	96.614,241	9,741	9,277
6	24	98.658	79.105,246	1.871.179,240	23,654	23,190	56	74	73.042	9.294,754	86.696,150	9,327	8,863
7	25	98.620	76.216,422	1.792.073,994	23,513	23,049	57	75	70.820	8.686,319	77.401,397	8,911	8,446
8	26	98.584	73.434,467	1.715.857,572	23,366	22,901	58	76	68.387	8.084,715	68.715,078	8,499	8,035
9	27	98.544	70.751,980	1.642.423,105	23,214	22,749	59	77	65.775	7.494,803	60.630,363	8,090	7,625
10	28	98.506	68.168,425	1.571.671,125	23,056	22,591	60	78	62.966	6.915,433	53.135,560	7,684	7,219
11	29	98.468	65.678,831	1.503.502,700	22,892	22,427	61	79	59.950	6.346,180	46.220,126	7,283	6,819
12	30	98.425	63.277,225	1.437.823,869	22,723	22,258	62	80	56.738	5.789,111	39.873,946	6,888	6,423
13	31	98.380	60.962,165	1.374.546,644	22,548	22,083	63	81	53.247	5.236,548	34.084,836	6,509	6,045
14	32	98.332	58.730,108	1.313.584,479	22,366	21,902	64	82	49.552	4.697,048	28.848,288	6,142	5,677
15	33	98.279	56.576,765	1.254.854,371	22,180	21,715	65	83	45.619	4.167,873	24.151,240	5,795	5,330
16	34	98.216	54.497,174	1.198.277,606	21,988	21,523	66	84	41.608	3.664,048	19.983,367	5,454	4,989
17	35	98.133	52.482,661	1.143.780,432	21,793	21,329	67	85	37.532	3.185,661	16.319,318	5,123	4,658
18	36	98.033	50.534,173	1.091.297,771	21,595	21,131	68	86	33.539	2.743,860	13.133,657	4,787	4,322
19	37	97.903	48.643,171	1.040.763,598	21,396	20,931	69	87	29.445	2.321,845	10.389,797	4,475	4,010
20	38	97.764	46.818,495	992.120,427	21,191	20,726	70	88	25.305	1.923,285	8.067,951	4,195	3,730
21	39	97.621	45.060,410	945.301,932	20,979	20,514	71	89	21.350	1.564,035	6.144,667	3,929	3,464
22	40	97.467	43.362,936	900.241,523	20,761	20,296	72	90	17.613	1.243,618	4.580,632	3,683	3,219
23	41	97.309	41.727,755	856.878,586	20,535	20,071	73	91	14.215	967,431	3.337,013	3,449	2,985
24	42	97.140	40.149,985	815.150,831	20,303	19,838	74	92	11.103	728,332	2.369,583	3,253	2,789
25	43	96.961	38.627,210	775.000,846	20,064	19,599	75	93	8.448	534,139	1.641,251	3,073	2,608
26	44	96.764	37.155,521	736.373,636	19,819	19,354	76	94	6.253	381,043	1.107,112	2,905	2,441
27	45	96.560	35.737,123	699.218,115	19,566	19,101	77	95	4.496	264,105	726,069	2,749	2,285
28	46	96.338	34.366,194	663.480,993	19,306	18,842	78	96	3.133	177,395	461,964	2,604	2,140
29	47	96.094	33.040,249	629.114,798	19,041	18,576	79	97	2.111	115,179	284,569	2,471	2,006
30	48	95.840	31.761,739	596.074,550	18,767	18,303	80	98	1.373	72,199	169,390	2,346	1,882
31	49	95.567	30.526,507	564.312,811	18,486	18,022	81	99	859	43,548	97,191	2,232	1,767
32	50	95.262	29.329,147	533.786,304	18,200	17,735	82	100	517	25,239	53,643	2,125	1,661
33	51	94.943	28.174,531	504.457,157	17,905	17,440	83	101	297	13,974	28,404	2,033	1,568
34	52	94.597	27.057,000	476.282,626	17,603	17,139	84	102	163	7,412	14,430	1,947	1,483
35	53	94.220	25.975,361	449.225,626	17,294	16,830	85	103	86	3,759	7,018	1,867	1,403
36	54	93.825	24.931,321	423.250,265	16,977	16,512	86	104	43	1,826	3,259	1,785	1,321
37	55	93.393	23.919,574	398.318,944	16,652	16,188	87	105	21	0,838	1,434	1,711	1,247
38	56	92.927	22.939,957	374.399,369	16,321	15,856	88	106					
39	57	92.426	21.991,688	351.459,412	15,981	15,517	89	107					
40	58	91.872	21.069,680	329.467,725	15,637	15,173	90	108					
41	59	91.272	20.175,523	308.398,045	15,286	14,821	91	109					
42	60	90.635	19.310,672	288.222,522	14,926	14,461	92	110					
43	61	89.938	18.469,422	268.911,849	14,560	14,095	93	111					
44	62	89.210	17.657,854	250.442,427	14,183	13,719	94	112					
45	63	88.411	16.867,142	232.784,573	13,801	13,337	95						
46	64	87.539	16.097,221	215.917,431	13,413	12,949	96						
47	65	86.604	15.349,654	199.820,210	13,018	12,553	97						
48	66	85.575	14.619,014	184.470,556	12,619	12,154	98						
49	67	84.454	13.905,999	169.851,542	12,214	11,750	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -19 Jahre

Zinsfuß 3,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	19	99.352	99.351,520	2.404.311,672	24,200	23,736	50	69	82.268	13.056,518	149.712,064	11,466	11,002
1	20	98.871	95.297,189	2.304.960,152	24,187	23,723	51	70	80.816	12.362,474	136.655,546	11,054	10,590
2	21	98.800	91.786,604	2.209.662,963	24,074	23,609	52	71	79.255	11.685,419	124.293,072	10,637	10,172
3	22	98.756	88.429,563	2.117.876,359	23,950	23,485	53	72	77.513	11.015,469	112.607,653	10,223	9,758
4	23	98.711	85.194,693	2.029.446,796	23,821	23,357	54	73	75.637	10.360,366	101.592,184	9,806	9,341
5	24	98.672	82.082,933	1.944.252,103	23,686	23,222	55	74	73.593	9.716,035	91.231,818	9,390	8,925
6	25	98.632	79.083,755	1.862.169,170	23,547	23,082	56	75	71.379	9.083,189	81.515,783	8,974	8,510
7	26	98.596	76.197,668	1.783.085,414	23,401	22,936	57	76	68.984	8.461,104	72.432,594	8,561	8,096
8	27	98.556	73.413,908	1.706.887,747	23,250	22,786	58	77	66.408	7.850,676	63.971,490	8,149	7,684
9	28	98.516	70.731,360	1.633.473,839	23,094	22,630	59	78	63.635	7.250,979	56.120,814	7,740	7,275
10	29	98.477	68.148,191	1.562.742,479	22,932	22,467	60	79	60.632	6.659,133	48.869,835	7,339	6,874
11	30	98.439	65.659,607	1.494.594,287	22,763	22,298	61	80	57.428	6.079,221	42.210,703	6,943	6,479
12	31	98.393	63.256,507	1.428.934,681	22,590	22,125	62	81	53.974	5.507,098	36.131,482	6,561	6,096
13	32	98.345	60.940,389	1.365.678,174	22,410	21,946	63	82	50.279	4.944,642	30.624,384	6,193	5,729
14	33	98.297	58.709,225	1.304.737,785	22,224	21,759	64	83	46.350	4.393,506	25.679,742	5,845	5,381
15	34	98.239	56.554,158	1.246.028,560	22,032	21,568	65	84	42.350	3.869,212	21.286,236	5,501	5,037
16	35	98.170	54.471,625	1.189.474,402	21,837	21,372	66	85	38.264	3.369,600	17.417,024	5,169	4,704
17	36	98.082	52.455,792	1.135.002,777	21,637	21,173	67	86	34.273	2.909,068	14.047,424	4,829	4,364
18	37	97.977	50.505,598	1.082.546,985	21,434	20,970	68	87	30.158	2.467,240	11.138,357	4,515	4,050
19	38	97.843	48.613,342	1.032.041,387	21,230	20,765	69	88	25.974	2.048,152	8.671,117	4,234	3,769
20	39	97.696	46.785,745	983.428,045	21,020	20,555	70	89	21.977	1.670,321	6.622,966	3,965	3,501
21	40	97.543	45.024,350	936.642,300	20,803	20,339	71	90	18.186	1.332,206	4.952,645	3,718	3,253
22	41	97.382	43.325,211	891.617,951	20,580	20,115	72	91	14.734	1.040,334	3.620,439	3,480	3,016
23	42	97.212	41.686,508	848.292,739	20,349	19,885	73	92	11.551	786,134	2.580,104	3,282	2,818
24	43	97.031	40.104,829	806.606,231	20,112	19,648	74	93	8.823	578,740	1.793,970	3,100	2,635
25	44	96.835	38.577,071	766.501,402	19,869	19,405	75	94	6.556	414,497	1.215,231	2,932	2,467
26	45	96.629	37.103,800	727.924,331	19,619	19,154	76	95	4.732	288,396	800,734	2,777	2,312
27	46	96.407	35.680,443	690.820,531	19,361	18,897	77	96	3.315	194,705	512,338	2,631	2,167
28	47	96.165	34.304,473	655.140,088	19,098	18,633	78	97	2.247	127,221	317,634	2,497	2,032
29	48	95.908	32.975,997	620.835,615	18,827	18,362	79	98	1.471	80,251	190,412	2,373	1,908
30	49	95.637	31.694,406	587.859,617	18,548	18,083	80	99	928	48,809	110,162	2,257	1,793
31	50	95.337	30.453,038	556.165,212	18,263	17,799	81	100	563	28,527	61,353	2,151	1,686
32	51	95.021	29.255,043	525.712,173	17,970	17,506	82	101	327	16,000	32,826	2,052	1,587
33	52	94.680	28.096,284	496.457,130	17,670	17,205	83	102	182	8,562	16,826	1,965	1,501
34	53	94.311	26.975,201	468.360,846	17,363	16,898	84	103	97	4,383	8,264	1,885	1,421
35	54	93.923	25.893,343	441.385,646	17,046	16,582	85	104	49	2,143	3,881	1,811	1,346
36	55	93.498	24.844,604	415.492,303	16,724	16,259	86	105	24	1,002	1,738	1,734	1,270
37	56	93.039	23.828,994	390.647,699	16,394	15,929	87	106					
38	57	92.554	22.847,860	366.818,704	16,055	15,590	88	107					
39	58	92.014	21.893,537	343.970,845	15,711	15,247	89	108					
40	59	91.429	20.968,216	322.077,308	15,360	14,896	90	109					
41	60	90.808	20.072,955	301.109,092	15,001	14,536	91	110					
42	61	90.137	19.204,382	281.036,137	14,634	14,170	92	111					
43	62	89.432	18.365,488	261.831,755	14,257	13,792	93	112					
44	63	88.649	17.546,735	243.466,267	13,875	13,411	94						
45	64	87.810	16.752,415	225.919,532	13,486	13,021	95						
46	65	86.899	15.979,505	209.167,117	13,090	12,625	96						
47	66	85.897	15.224,288	193.187,612	12,689	12,225	97						
48	67	84.800	14.486,616	177.963,324	12,285	11,820	98						
49	68	83.595	13.764,645	163.476,709	11,877	11,412	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -20 Jahre

Zinsfuß 3,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	20	99.324	99.323,980	2.394.712,575	24,110	23,646	50	70	81.219	12.889,940	143.282,016	11,116	10,651
1	21	98.840	95.267,089	2.295.388,596	24,094	23,630	51	71	79.668	12.186,759	130.392,076	10,699	10,235
2	22	98.776	91.764,147	2.200.121,507	23,976	23,511	52	72	77.970	11.495,972	118.205,317	10,282	9,818
3	23	98.729	88.405,622	2.108.357,360	23,849	23,384	53	73	76.115	10.816,870	106.709,345	9,865	9,401
4	24	98.685	85.172,465	2.019.951,739	23,716	23,252	54	74	74.096	10.149,301	95.892,475	9,448	8,984
5	25	98.645	82.060,633	1.934.779,274	23,577	23,113	55	75	71.918	9.494,882	85.743,174	9,030	8,566
6	26	98.607	79.064,295	1.852.718,640	23,433	22,969	56	76	69.529	8.847,684	76.248,292	8,618	8,153
7	27	98.568	76.176,336	1.773.654,345	23,284	22,819	57	77	66.987	8.216,169	67.400,608	8,203	7,739
8	28	98.527	73.392,513	1.697.478,009	23,129	22,664	58	78	64.247	7.595,273	59.184,439	7,792	7,328
9	29	98.486	70.710,366	1.624.085,497	22,968	22,504	59	79	61.276	6.982,242	51.589,165	7,389	6,924
10	30	98.448	68.128,244	1.553.375,131	22,801	22,336	60	80	58.082	6.379,009	44.606,923	6,993	6,528
11	31	98.407	65.638,109	1.485.246,888	22,628	22,163	61	81	54.630	5.783,076	38.227,914	6,610	6,146
12	32	98.357	63.233,911	1.419.608,779	22,450	21,986	62	82	50.965	5.200,111	32.444,839	6,239	5,775
13	33	98.310	60.918,720	1.356.374,868	22,265	21,801	63	83	47.030	4.625,099	27.244,728	5,891	5,426
14	34	98.258	58.685,766	1.295.456,148	22,074	21,610	64	84	43.029	4.078,676	22.619,629	5,546	5,081
15	35	98.193	56.527,645	1.236.770,382	21,879	21,415	65	85	38.946	3.558,276	18.540,953	5,211	4,746
16	36	98.120	54.443,737	1.180.242,737	21,678	21,214	66	86	34.942	3.077,035	14.982,677	4,869	4,405
17	37	98.027	52.426,131	1.125.799,000	21,474	21,010	67	87	30.818	2.615,792	11.905,641	4,551	4,087
18	38	97.917	50.474,627	1.073.372,869	21,266	20,801	68	88	26.603	2.176,407	9.289,850	4,268	3,804
19	39	97.774	48.579,336	1.022.898,242	21,056	20,592	69	89	22.558	1.778,764	7.113,443	3,999	3,535
20	40	97.618	46.748,304	974.318,906	20,842	20,377	70	90	18.719	1.422,738	5.334,678	3,750	3,285
21	41	97.458	44.985,179	927.570,602	20,619	20,155	71	91	15.213	1.114,441	3.911,941	3,510	3,046
22	42	97.286	43.282,385	882.585,423	20,391	19,927	72	92	11.973	845,376	2.797,499	3,309	2,845
23	43	97.103	41.639,624	839.303,037	20,156	19,692	73	93	9.179	624,670	1.952,124	3,125	2,661
24	44	96.905	40.052,772	797.663,413	19,915	19,451	74	94	6.847	449,107	1.327,454	2,956	2,491
25	45	96.700	38.523,371	757.610,641	19,666	19,202	75	95	4.962	313,716	878,346	2,800	2,335
26	46	96.476	37.044,953	719.087,270	19,411	18,947	76	96	3.489	212,612	564,631	2,656	2,191
27	47	96.234	35.616,362	682.042,317	19,150	18,685	77	97	2.377	139,635	352,018	2,521	2,057
28	48	95.978	34.237,763	646.425,955	18,880	18,416	78	98	1.566	88,641	212,383	2,396	1,932
29	49	95.704	32.906,090	612.188,191	18,604	18,140	79	99	994	54,252	123,742	2,281	1,816
30	50	95.407	31.618,126	579.282,101	18,321	17,857	80	100	608	31,973	69,491	2,173	1,709
31	51	95.096	30.376,095	547.663,975	18,029	17,565	81	101	357	18,085	37,518	2,075	1,610
32	52	94.757	29.173,795	517.287,880	17,731	17,267	82	102	201	9,803	19,433	1,982	1,518
33	53	94.393	28.011,343	488.114,085	17,426	16,961	83	103	108	5,064	9,630	1,902	1,437
34	54	94.013	26.890,026	460.102,743	17,111	16,646	84	104	55	2,499	4,566	1,827	1,363
35	55	93.596	25.803,280	433.212,717	16,789	16,325	85	105	27	1,176	2,067	1,757	1,293
36	56	93.144	24.750,521	407.409,437	16,461	15,996	86	106					
37	57	92.666	23.733,327	382.658,917	16,123	15,659	87	107					
38	58	92.141	22.745,888	358.925,589	15,780	15,315	88	108					
39	59	91.570	21.788,106	336.179,702	15,430	14,965	89	109					
40	60	90.965	20.861,618	314.391,596	15,070	14,606	90	110					
41	61	90.308	19.962,468	293.529,977	14,704	14,240	91	111					
42	62	89.629	19.096,312	273.567,509	14,326	13,861	92	112					
43	63	88.869	18.249,916	254.471,197	13,944	13,479	93						
44	64	88.046	17.427,385	236.221,281	13,555	13,090	94						
45	65	87.167	16.629,907	218.793,896	13,157	12,692	95						
46	66	86.190	15.848,994	202.163,988	12,756	12,291	96						
47	67	85.119	15.086,408	186.314,994	12,350	11,885	97						
48	68	83.938	14.339,359	171.228,587	11,941	11,477	98						
49	69	82.639	13.607,211	156.889,227	11,530	11,065	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -21 Jahre

Zinsfuß 3,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	21	99.293	99.292,607	2.384.660,883	24,016	23,552	50	71	80.064	12.706,729	136.668,467	10,756	10,291
1	22	98.815	95.243,780	2.285.368,276	23,995	23,531	51	72	78.376	11.989,184	123.961,738	10,339	9,875
2	23	98.749	91.739,302	2.190.124,496	23,873	23,409	52	73	76.564	11.288,710	111.972,554	9,919	9,455
3	24	98.703	88.382,556	2.098.385,194	23,742	23,278	53	74	74.565	10.596,505	100.683,845	9,502	9,037
4	25	98.658	85.149,326	2.010.002,638	23,606	23,141	54	75	72.409	9.918,285	90.087,339	9,083	8,619
5	26	98.621	82.040,441	1.924.853,312	23,462	22,998	55	76	70.053	9.248,703	80.169,054	8,668	8,204
6	27	98.580	79.042,161	1.842.812,871	23,314	22,850	56	77	67.516	8.591,559	70.920,351	8,255	7,790
7	28	98.539	76.154,135	1.763.770,711	23,161	22,696	57	78	64.808	7.948,876	62.328,792	7,841	7,377
8	29	98.498	73.370,728	1.687.616,575	23,001	22,537	58	79	61.866	7.313,777	54.379,916	7,435	6,971
9	30	98.458	70.689,668	1.614.245,847	22,836	22,371	59	80	58.699	6.688,526	47.066,140	7,037	6,572
10	31	98.416	68.105,937	1.543.556,179	22,664	22,200	60	81	55.252	6.068,259	40.377,614	6,654	6,189
11	32	98.372	65.614,662	1.475.450,242	22,487	22,022	61	82	51.585	5.460,704	34.309,354	6,283	5,819
12	33	98.322	63.211,427	1.409.835,580	22,303	21,839	62	83	47.672	4.864,058	28.848,650	5,931	5,467
13	34	98.270	60.894,378	1.346.624,153	22,114	21,650	63	84	43.660	4.293,674	23.984,592	5,586	5,122
14	35	98.212	58.658,253	1.285.729,775	21,919	21,455	64	85	39.571	3.750,907	19.690,918	5,250	4,785
15	36	98.143	56.498,705	1.227.071,522	21,719	21,254	65	86	35.565	3.249,330	15.940,010	4,906	4,441
16	37	98.065	54.412,952	1.170.572,817	21,513	21,048	66	87	31.419	2.766,826	12.690,680	4,587	4,122
17	38	97.967	52.393,982	1.116.159,865	21,303	20,839	67	88	27.185	2.307,448	9.923,854	4,301	3,836
18	39	97.849	50.439,320	1.063.765,883	21,090	20,626	68	89	23.104	1.890,151	7.616,406	4,030	3,565
19	40	97.696	48.540,460	1.013.326,563	20,876	20,411	69	90	19.214	1.515,107	5.726,255	3,779	3,315
20	41	97.533	46.707,634	964.786,103	20,656	20,191	70	91	15.660	1.190,174	4.211,148	3,538	3,074
21	42	97.362	44.940,712	918.078,470	20,429	19,964	71	92	12.362	905,595	3.020,974	3,336	2,871
22	43	97.176	43.233,707	873.137,758	20,196	19,731	72	93	9.514	671,744	2.115,379	3,149	2,685
23	44	96.977	41.585,575	829.904,051	19,957	19,492	73	94	7.123	484,750	1.443,635	2,978	2,514
24	45	96.770	39.997,019	788.318,476	19,709	19,245	74	95	5.182	339,911	958,885	2,821	2,357
25	46	96.547	38.462,273	748.321,458	19,456	18,992	75	96	3.658	231,279	618,974	2,676	2,212
26	47	96.303	36.978,421	709.859,185	19,197	18,732	76	97	2.502	152,478	387,695	2,543	2,078
27	48	96.047	35.547,101	672.880,764	18,929	18,465	77	98	1.656	97,290	235,217	2,418	1,953
28	49	95.775	34.165,181	637.333,663	18,654	18,190	78	99	1.058	59,924	137,927	2,302	1,837
29	50	95.474	32.826,895	603.168,482	18,374	17,910	79	100	651	35,539	78,004	2,195	1,730
30	51	95.166	31.538,239	570.341,587	18,084	17,620	80	101	385	20,269	42,465	2,095	1,631
31	52	94.832	30.291,733	538.803,348	17,787	17,323	81	102	219	11,081	22,195	2,003	1,539
32	53	94.471	29.085,597	508.511,615	17,483	17,019	82	103	119	5,798	11,115	1,917	1,453
33	54	94.095	27.922,896	479.426,019	17,170	16,705	83	104	61	2,887	5,317	1,842	1,377
34	55	93.686	26.796,496	451.503,123	16,849	16,385	84	105	30	1,372	2,430	1,772	1,308
35	56	93.242	25.705,566	424.706,627	16,522	16,058	85	106					
36	57	92.770	24.651,155	399.001,061	16,186	15,721	86	107					
37	58	92.252	23.627,404	374.349,907	15,844	15,379	87	108					
38	59	91.697	22.636,352	350.722,503	15,494	15,029	88	109					
39	60	91.105	21.677,340	328.086,151	15,135	14,671	89	110					
40	61	90.464	20.746,791	306.408,812	14,769	14,305	90	111					
41	62	89.800	19.850,132	285.662,021	14,391	13,927	91	112					
42	63	89.065	18.976,141	265.811,888	14,008	13,543	92						
43	64	88.264	18.125,783	246.835,748	13,618	13,154	93						
44	65	87.402	17.299,942	228.709,964	13,220	12,756	94						
45	66	86.456	16.494,085	211.410,022	12,817	12,353	95						
46	67	85.409	15.705,456	194.915,938	12,411	11,946	96						
47	68	84.254	14.933,054	179.210,481	12,001	11,537	97						
48	69	82.978	14.175,352	164.277,427	11,589	11,125	98						
49	70	81.585	13.433,608	150.102,075	11,174	10,709	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -22 Jahre

Zinsfuß 3,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	22	99.268	99.268,313	2.374.147,564	23,916	23,452	50	72	78.766	12.500,724	129.886,276	10,390	9,926
1	23	98.789	95.217,993	2.274.879,250	23,891	23,427	51	73	76.963	11.773,030	117.385,552	9,971	9,506
2	24	98.723	91.715,367	2.179.661,257	23,765	23,301	52	74	75.004	11.058,732	105.612,523	9,550	9,086
3	25	98.676	88.358,544	2.087.945,890	23,630	23,166	53	75	72.867	10.355,311	94.553,791	9,131	8,667
4	26	98.634	85.128,373	1.999.587,346	23,489	23,025	54	76	70.532	9.661,129	84.198,480	8,715	8,251
5	27	98.593	82.017,473	1.914.458,972	23,342	22,878	55	77	68.025	8.980,968	74.537,351	8,299	7,835
6	28	98.551	79.019,125	1.832.441,499	23,190	22,725	56	78	65.319	8.312,054	65.556,383	7,887	7,422
7	29	98.510	76.131,531	1.753.422,374	23,031	22,567	57	79	62.406	7.654,274	57.244,329	7,479	7,014
8	30	98.469	73.349,252	1.677.290,843	22,867	22,403	58	80	59.264	7.006,114	49.590,055	7,078	6,614
9	31	98.425	70.666,523	1.603.941,591	22,697	22,233	59	81	55.839	6.362,699	42.583,941	6,693	6,228
10	32	98.381	68.081,609	1.533.275,068	22,521	22,057	60	82	52.172	5.729,991	36.221,242	6,321	5,857
11	33	98.337	65.591,331	1.465.193,459	22,338	21,874	61	83	48.251	5.107,811	30.491,251	5,970	5,505
12	34	98.283	63.186,169	1.399.602,128	22,150	21,686	62	84	44.256	4.515,510	25.383,440	5,621	5,157
13	35	98.224	60.865,830	1.336.415,959	21,957	21,492	63	85	40.151	3.948,628	20.867,930	5,285	4,820
14	36	98.161	58.628,223	1.275.550,129	21,757	21,292	64	86	36.135	3.425,236	16.919,303	4,940	4,475
15	37	98.088	56.466,757	1.216.921,907	21,551	21,087	65	87	31.979	2.921,751	13.494,066	4,618	4,154
16	38	98.004	54.379,585	1.160.455,150	21,340	20,875	66	88	27.716	2.440,679	10.572,315	4,332	3,867
17	39	97.898	52.357,332	1.106.075,565	21,126	20,661	67	89	23.610	2.003,956	8.131,637	4,058	3,593
18	40	97.770	50.398,955	1.053.718,233	20,908	20,443	68	90	19.679	1.609,984	6.127,680	3,806	3,342
19	41	97.611	48.498,231	1.003.319,278	20,688	20,223	69	91	16.073	1.267,445	4.517,697	3,564	3,100
20	42	97.436	46.661,464	954.821,047	20,463	19,998	70	92	12.725	967,136	3.250,252	3,361	2,896
21	43	97.253	44.890,168	908.159,583	20,231	19,766	71	93	9.823	719,595	2.283,116	3,173	2,708
22	44	97.050	43.177,588	863.269,415	19,993	19,529	72	94	7.383	521,279	1.563,521	2,999	2,535
23	45	96.842	41.527,688	820.091,827	19,748	19,284	73	95	5.391	366,887	1.042,242	2,841	2,376
24	46	96.617	39.933,583	778.564,139	19,496	19,032	74	96	3.820	250,591	675,354	2,695	2,231
25	47	96.373	38.393,195	738.630,556	19,239	18,774	75	97	2.623	165,865	424,764	2,561	2,096
26	48	96.116	36.906,511	700.237,361	18,973	18,509	76	98	1.743	106,238	258,899	2,437	1,973
27	49	95.843	35.471,743	663.330,849	18,700	18,236	77	99	1.120	65,771	152,661	2,321	1,857
28	50	95.544	34.082,955	627.859,106	18,421	17,957	78	100	693	39,254	86,890	2,214	1,749
29	51	95.233	32.743,953	593.776,151	18,134	17,669	79	101	413	22,530	47,636	2,114	1,650
30	52	94.901	31.450,650	561.032,198	17,838	17,374	80	102	236	12,419	25,106	2,022	1,557
31	53	94.545	30.200,155	529.581,548	17,536	17,071	81	103	129	6,553	12,687	1,936	1,472
32	54	94.172	28.993,758	499.381,394	17,224	16,759	82	104	68	3,305	6,134	1,856	1,391
33	55	93.768	27.825,773	470.387,636	16,905	16,440	83	105	34	1,584	2,828	1,785	1,321
34	56	93.331	26.695,021	442.561,863	16,578	16,114	84	106					
35	57	92.868	25.602,366	415.866,842	16,243	15,779	85	107					
36	58	92.356	24.541,134	390.264,476	15,902	15,438	86	108					
37	59	91.808	23.513,623	365.723,342	15,554	15,089	87	109					
38	60	91.231	22.521,273	342.209,719	15,195	14,731	88	110					
39	61	90.604	21.558,022	319.688,446	14,829	14,365	89	111					
40	62	89.955	20.630,041	298.130,424	14,451	13,987	90	112					
41	63	89.235	19.725,218	277.500,382	14,068	13,604	91						
42	64	88.459	18.847,068	257.775,165	13,677	13,213	92						
43	65	87.619	17.993,233	238.928,097	13,279	12,814	93						
44	66	86.688	17.158,647	220.934,864	12,876	12,412	94						
45	67	85.673	16.344,705	203.776,217	12,467	12,003	95						
46	68	84.541	15.545,811	187.431,512	12,057	11,592	96						
47	69	83.290	14.762,257	171.885,702	11,644	11,179	97						
48	70	81.919	13.994,500	157.123,445	11,228	10,763	98						
49	71	80.425	13.242,669	143.128,945	10,808	10,344	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -23 Jahre

Zinsfuß 3,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	23	99.241	99.241,437	2.363.151,929	23,812	23,348	50	73	77.346	12.275,347	122.957,375	10,017	9,552
1	24	98.763	95.193,150	2.263.910,492	23,782	23,318	51	74	75.395	11.533,185	110.682,029	9,597	9,132
2	25	98.696	91.690,450	2.168.717,342	23,653	23,188	52	75	73.297	10.807,016	99.148,843	9,174	8,710
3	26	98.652	88.336,802	2.077.026,892	23,513	23,048	53	76	70.978	10.086,823	88.341,827	8,758	8,294
4	27	98.606	85.104,541	1.988.690,089	23,368	22,903	54	77	68.490	9.381,455	78.255,004	8,341	7,877
5	28	98.564	81.993,570	1.903.585,549	23,216	22,752	55	78	65.812	8.688,795	68.873,549	7,927	7,462
6	29	98.522	78.995,671	1.821.591,978	23,059	22,595	56	79	62.899	8.003,991	60.184,754	7,519	7,055
7	30	98.481	76.109,247	1.742.596,308	22,896	22,432	57	80	59.781	7.332,288	52.180,763	7,117	6,652
8	31	98.437	73.325,236	1.666.487,061	22,727	22,263	58	81	56.377	6.664,816	44.848,474	6,729	6,265
9	32	98.390	70.641,280	1.593.161,825	22,553	22,088	59	82	52.727	6.008,017	38.183,659	6,355	5,891
10	33	98.346	68.057,401	1.522.520,544	22,371	21,907	60	83	48.801	5.359,695	32.175,641	6,003	5,539
11	34	98.297	65.565,122	1.454.463,143	22,183	21,719	61	84	44.794	4.741,796	26.815,946	5,655	5,191
12	35	98.237	63.156,546	1.388.898,021	21,991	21,527	62	85	40.699	4.152,636	22.074,150	5,316	4,851
13	36	98.174	60.834,669	1.325.741,475	21,793	21,328	63	86	36.665	3.605,790	17.921,513	4,970	4,506
14	37	98.106	58.595,071	1.264.906,806	21,587	21,123	64	87	32.492	3.079,923	14.315,724	4,648	4,184
15	38	98.028	56.432,131	1.206.311,735	21,376	20,912	65	88	28.210	2.577,342	11.235,801	4,359	3,895
16	39	97.936	54.341,545	1.149.879,605	21,160	20,696	66	89	24.070	2.119,664	8.658,459	4,085	3,620
17	40	97.820	52.315,432	1.095.538,059	20,941	20,477	67	90	20.110	1.706,920	6.538,795	3,831	3,366
18	41	97.685	50.355,109	1.043.222,627	20,717	20,253	68	91	16.463	1.346,813	4.831,875	3,588	3,123
19	42	97.515	48.450,291	992.867,518	20,492	20,028	69	92	13.061	1.029,926	3.485,063	3,384	2,919
20	43	97.327	46.608,985	944.417,227	20,263	19,798	70	93	10.111	768,496	2.455,137	3,195	2,730
21	44	97.126	44.831,900	897.808,242	20,026	19,562	71	94	7.623	558,412	1.686,641	3,020	2,556
22	45	96.915	43.117,485	852.976,342	19,783	19,318	72	95	5.588	394,535	1.128,229	2,860	2,395
23	46	96.689	41.461,824	809.858,857	19,533	19,068	73	96	3.974	270,478	733,694	2,713	2,248
24	47	96.443	39.861,863	768.397,033	19,276	18,812	74	97	2.740	179,715	463,216	2,578	2,113
25	48	96.186	38.318,534	728.535,170	19,013	18,548	75	98	1.828	115,565	283,501	2,453	1,989
26	49	95.912	36.828,272	690.216,636	18,741	18,277	76	99	1.179	71,820	167,936	2,338	1,874
27	50	95.613	35.386,372	653.388,364	18,464	18,000	77	100	734	43,085	96,115	2,231	1,766
28	51	95.303	33.996,840	618.001,991	18,178	17,714	78	101	440	24,885	53,031	2,131	1,667
29	52	94.968	32.653,015	584.005,151	17,885	17,421	79	102	253	13,804	28,145	2,039	1,575
30	53	94.615	31.355,568	551.352,136	17,584	17,119	80	103	140	7,345	14,341	1,953	1,488
31	54	94.247	30.104,797	519.996,568	17,273	16,808	81	104	74	3,736	6,997	1,873	1,408
32	55	93.845	28.892,910	489.891,772	16,955	16,491	82	105	37	1,814	3,261	1,797	1,333
33	56	93.413	27.720,401	460.998,861	16,630	16,166	83	106					
34	57	92.956	26.587,848	433.278,461	16,296	15,832	84	107					
35	58	92.453	25.488,100	406.690,613	15,956	15,492	85	108					
36	59	91.912	24.422,953	381.202,513	15,608	15,144	86	109					
37	60	91.341	23.394,085	356.779,559	15,251	14,786	87	110					
38	61	90.729	22.397,311	333.385,475	14,885	14,421	88	111					
39	62	90.094	21.436,708	310.988,164	14,507	14,043	89	112					
40	63	89.389	20.500,219	289.551,456	14,124	13,660	90						
41	64	88.628	19.591,050	269.051,238	13,733	13,269	91						
42	65	87.813	18.709,243	249.460,188	13,334	12,869	92						
43	66	86.903	17.846,275	230.750,945	12,930	12,465	93						
44	67	85.903	17.003,248	212.904,670	12,521	12,057	94						
45	68	84.802	16.178,561	195.901,422	12,109	11,644	95						
46	69	83.574	15.368,004	179.722,861	11,695	11,230	96						
47	70	82.228	14.573,917	164.354,856	11,277	10,813	97						
48	71	80.755	13.795,589	149.780,939	10,857	10,393	98						
49	72	79.121	13.027,975	135.985,350	10,438	9,974	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -24 Jahre

Zinsfuß 3,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	24	99.216	99.215,545	2.351.662,569	23,703	23,238	50	74	75.770	12.025,269	115.901,041	9,638	9,174
1	25	98.736	95.167,288	2.252.447,024	23,668	23,204	51	75	73.679	11.270,670	103.875,771	9,216	8,752
2	26	98.672	91.667,888	2.157.279,736	23,534	23,069	52	76	71.397	10.526,817	92.605,101	8,797	8,333
3	27	98.624	88.312,072	2.065.611,848	23,390	22,925	53	77	68.923	9.794,826	82.078,284	8,380	7,915
4	28	98.578	85.079,739	1.977.299,776	23,241	22,776	54	78	66.262	9.076,253	72.283,458	7,964	7,500
5	29	98.535	81.969,233	1.892.220,037	23,085	22,620	55	79	63.373	8.366,770	63.207,205	7,555	7,090
6	30	98.493	78.972,548	1.810.250,804	22,923	22,458	56	80	60.253	7.667,294	54.840,435	7,153	6,688
7	31	98.449	76.084,327	1.731.278,256	22,755	22,290	57	81	56.869	6.975,101	47.173,141	6,763	6,299
8	32	98.402	73.299,044	1.655.193,929	22,581	22,117	58	82	53.234	6.293,293	40.198,041	6,387	5,923
9	33	98.355	70.616,162	1.581.894,885	22,401	21,937	59	83	49.319	5.619,754	33.904,747	6,033	5,569
10	34	98.307	68.030,207	1.511.278,723	22,215	21,750	60	84	45.304	4.975,631	28.284,993	5,685	5,220
11	35	98.251	65.534,384	1.443.248,516	22,023	21,558	61	85	41.194	4.360,738	23.309,362	5,345	4,881
12	36	98.187	63.124,212	1.377.714,132	21,825	21,361	62	86	37.166	3.792,085	18.948,624	4,997	4,532
13	37	98.118	60.800,269	1.314.589,920	21,621	21,157	63	87	32.969	3.242,274	15.156,539	4,675	4,210
14	38	98.046	58.559,139	1.253.789,651	21,411	20,946	64	88	28.662	2.716,869	11.914,265	4,385	3,921
15	39	97.959	56.392,656	1.195.230,511	21,195	20,730	65	89	24.499	2.238,352	9.197,396	4,109	3,645
16	40	97.857	54.298,058	1.138.837,856	20,974	20,509	66	90	20.503	1.805,477	6.959,044	3,854	3,390
17	41	97.735	52.269,919	1.084.539,798	20,749	20,284	67	91	16.823	1.427,904	5.153,568	3,609	3,145
18	42	97.589	50.305,333	1.032.269,879	20,520	20,056	68	92	13.378	1.094,420	3.725,664	3,404	2,940
19	43	97.405	48.395,800	981.964,545	20,290	19,826	69	93	10.379	818,389	2.631,244	3,215	2,751
20	44	97.200	46.548,486	933.568,745	20,056	19,591	70	94	7.846	596,360	1.812,854	3,040	2,575
21	45	96.991	44.769,494	887.020,260	19,813	19,349	71	95	5.769	422,640	1.216,495	2,878	2,414
22	46	96.761	43.049,100	842.250,766	19,565	19,100	72	96	4.119	290,861	793,855	2,729	2,265
23	47	96.515	41.387,360	799.201,666	19,310	18,846	73	97	2.850	193,977	502,994	2,593	2,129
24	48	96.256	39.784,346	757.814,306	19,048	18,584	74	98	1.909	125,215	309,017	2,468	2,003
25	49	95.982	38.237,301	718.029,960	18,778	18,314	75	99	1.236	78,125	183,802	2,353	1,888
26	50	95.681	36.739,636	679.792,659	18,503	18,039	76	100	772	47,047	105,677	2,246	1,782
27	51	95.371	35.296,964	643.053,023	18,218	17,754	77	101	465	27,313	58,629	2,147	1,682
28	52	95.038	33.902,423	607.756,058	17,927	17,462	78	102	269	15,247	31,316	2,054	1,589
29	53	94.681	32.554,298	573.853,635	17,628	17,163	79	103	150	8,164	16,068	1,968	1,504
30	54	94.316	31.256,561	541.299,337	17,318	16,854	80	104	80	4,187	7,905	1,888	1,423
31	55	93.919	30.000,085	510.042,776	17,001	16,537	81	105	40	2,050	3,717	1,813	1,349
32	56	93.490	28.783,497	480.042,691	16,678	16,213	82	106					
33	57	93.038	27.609,111	451.259,194	16,345	15,880	83	107					
34	58	92.541	26.469,184	423.650,083	16,005	15,541	84	108					
35	59	92.008	25.365,359	397.180,899	15,658	15,194	85	109					
36	60	91.444	24.298,792	371.815,540	15,302	14,837	86	110					
37	61	90.838	23.265,318	347.516,748	14,937	14,473	87	111					
38	62	90.218	22.271,273	324.251,430	14,559	14,095	88	112					
39	63	89.527	21.301,809	301.980,157	14,176	13,712	89						
40	64	88.781	20.360,779	280.678,348	13,785	13,321	90						
41	65	87.980	19.447,784	260.317,569	13,385	12,921	91						
42	66	87.095	18.556,438	240.869,785	12,980	12,516	92						
43	67	86.116	17.684,649	222.313,347	12,571	12,107	93						
44	68	85.030	16.830,410	204.628,698	12,158	11,694	94						
45	69	83.832	15.993,517	187.798,288	11,742	11,278	95						
46	70	82.508	15.171,937	171.804,771	11,324	10,859	96						
47	71	81.059	14.366,770	156.632,834	10,902	10,438	97						
48	72	79.446	13.571,931	142.266,064	10,482	10,018	98						
49	73	77.695	12.793,092	128.694,133	10,060	9,595	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -25 Jahre

Zinsfuß 3,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	25	99.189	99.188,590	2.339.663,909	23,588	23,124	50	75	74.046	11.751,553	108.742,853	9,253	8,789
1	26	98.712	95.143,871	2.240.475,319	23,548	23,084	51	76	71.769	10.978,450	96.991,300	8,835	8,370
2	27	98.644	91.642,225	2.145.331,448	23,410	22,945	52	77	69.330	10.222,083	86.012,850	8,414	7,950
3	28	98.596	88.286,335	2.053.689,224	23,262	22,797	53	78	66.681	9.476,176	75.790,767	7,998	7,534
4	29	98.548	85.054,485	1.965.402,889	23,108	22,643	54	79	63.806	8.739,868	66.314,591	7,588	7,123
5	30	98.506	81.945,240	1.880.348,404	22,946	22,482	55	80	60.707	8.014,812	57.574,723	7,184	6,719
6	31	98.461	78.946,691	1.798.403,164	22,780	22,316	56	81	57.317	7.293,787	49.559,911	6,795	6,330
7	32	98.414	76.057,149	1.719.456,473	22,607	22,143	57	82	53.699	6.586,281	42.266,124	6,417	5,953
8	33	98.367	73.272,980	1.643.399,323	22,428	21,964	58	83	49.794	5.886,594	35.679,843	6,061	5,597
9	34	98.316	70.587,945	1.570.126,343	22,244	21,779	59	84	45.785	5.217,054	29.793,249	5,711	5,246
10	35	98.261	67.998,313	1.499.538,398	22,053	21,588	60	85	41.663	4.575,781	24.576,194	5,371	4,907
11	36	98.201	65.500,833	1.431.540,085	21,855	21,391	61	86	37.617	3.982,119	20.000,413	5,023	4,558
12	37	98.131	63.088,518	1.366.039,251	21,653	21,188	62	87	33.419	3.409,788	16.018,294	4,698	4,233
13	38	98.058	60.762,986	1.302.950,733	21,443	20,979	63	88	29.082	2.860,082	12.608,506	4,408	3,944
14	39	97.977	58.518,176	1.242.187,748	21,227	20,763	64	89	24.892	2.359,527	9.748,423	4,132	3,667
15	40	97.881	56.347,527	1.183.669,571	21,007	20,542	65	90	20.868	1.906,572	7.388,896	3,875	3,411
16	41	97.772	54.250,820	1.127.322,044	20,780	20,315	66	91	17.151	1.510,350	5.482,324	3,630	3,165
17	42	97.638	52.218,251	1.073.071,225	20,550	20,085	67	92	13.670	1.160,315	3.971,974	3,423	2,959
18	43	97.479	50.248,756	1.020.852,974	20,316	19,852	68	93	10.630	869,637	2.811,659	3,233	2,769
19	44	97.279	48.332,981	970.604,217	20,082	19,617	69	94	8.054	635,078	1.942,022	3,058	2,594
20	45	97.065	46.483,690	922.271,236	19,841	19,376	70	95	5.939	451,360	1.306,944	2,896	2,431
21	46	96.837	44.698,489	875.787,546	19,593	19,129	71	96	4.253	311,580	855,584	2,746	2,282
22	47	96.588	42.971,785	831.089,057	19,340	18,876	72	97	2.954	208,595	544,004	2,608	2,144
23	48	96.327	41.306,876	788.117,273	19,080	18,615	73	98	1.986	135,153	335,409	2,482	2,017
24	49	96.052	39.700,006	746.810,397	18,811	18,347	74	99	1.290	84,649	200,256	2,366	1,901
25	50	95.751	38.145,275	707.110,391	18,537	18,073	75	100	809	51,178	115,607	2,259	1,795
26	51	95.439	36.646,809	668.965,116	18,254	17,790	76	101	489	29,826	64,429	2,160	1,696
27	52	95.106	35.198,936	632.318,307	17,964	17,500	77	102	285	16,735	34,604	2,068	1,603
28	53	94.751	33.799,929	597.119,371	17,666	17,202	78	103	159	9,017	17,869	1,982	1,517
29	54	94.382	32.451,507	563.319,443	17,359	16,894	79	104	85	4,654	8,851	1,902	1,437
30	55	93.988	31.147,843	530.867,936	17,043	16,579	80	105	44	2,298	4,197	1,826	1,362
31	56	93.563	29.886,479	499.720,092	16,721	16,256	81	106					
32	57	93.114	28.667,939	469.833,614	16,389	15,924	82	107					
33	58	92.623	27.485,889	441.165,674	16,051	15,586	83	108					
34	59	92.096	26.341,718	413.679,785	15,704	15,240	84	109					
35	60	91.540	25.236,407	387.338,067	15,348	14,884	85	110					
36	61	90.941	24.165,046	362.101,660	14,985	14,520	86	111					
37	62	90.327	23.134,396	337.936,614	14,608	14,143	87	112					
38	63	89.650	22.131,122	314.802,219	14,224	13,760	88						
39	64	88.918	21.156,917	292.671,097	13,833	13,369	89						
40	65	88.131	20.211,885	271.514,179	13,433	12,969	90						
41	66	87.261	19.288,947	251.302,294	13,028	12,564	91						
42	67	86.307	18.388,380	232.013,348	12,617	12,153	92						
43	68	85.241	17.504,885	213.624,968	12,204	11,739	93						
44	69	84.057	16.637,911	196.120,084	11,788	11,323	94						
45	70	82.762	15.789,469	179.482,172	11,367	10,903	95						
46	71	81.335	14.956,290	163.692,703	10,945	10,480	96						
47	72	79.745	14.133,852	148.736,413	10,523	10,059	97						
48	73	78.013	13.327,241	134.602,561	10,100	9,635	98						
49	74	76.112	12.532,467	121.275,320	9,677	9,212	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 1 Jahr

Zinsfuß 3,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	49	91.859	14.578,620	232.342,234	15,937	15,473
1	0	99.544	95.945,802	2.418.230,996	25,204	24,740	51	50	91.184	13.948,400	217.763,614	15,612	15,148
2	1	99.126	92.089,531	2.322.285,194	25,218	24,753	52	51	90.482	13.340,797	203.815,214	15,278	14,813
3	2	99.070	88.711,340	2.230.195,663	25,140	24,675	53	52	89.702	12.747,683	190.474,418	14,942	14,477
4	3	99.033	85.472,406	2.141.484,322	25,055	24,590	54	53	88.868	12.172,781	177.726,734	14,600	14,136
5	4	99.002	82.357,855	2.056.011,917	24,964	24,500	55	54	87.986	11.616,339	165.553,954	14,252	13,787
6	5	98.976	79.359,944	1.973.654,061	24,870	24,405	56	55	87.024	11.074,009	153.937,615	13,901	13,436
7	6	98.952	76.472,599	1.894.294,118	24,771	24,306	57	56	86.015	10.550,050	142.863,606	13,542	13,077
8	7	98.930	73.692,637	1.817.821,519	24,668	24,203	58	57	84.929	10.040,264	132.313,556	13,178	12,714
9	8	98.910	71.014,417	1.744.128,882	24,560	24,096	59	58	83.744	9.542,358	122.273,293	12,814	12,349
10	9	98.891	68.434,655	1.673.114,466	24,448	23,984	60	59	82.465	9.056,951	112.730,935	12,447	11,982
11	10	98.875	65.950,654	1.604.679,810	24,332	23,867	61	60	81.122	8.587,431	103.673,984	12,073	11,608
12	11	98.853	63.552,367	1.538.729,157	24,212	23,748	62	61	79.706	8.132,613	95.086,553	11,692	11,228
13	12	98.831	61.241,550	1.475.176,790	24,088	23,623	63	62	78.190	7.689,561	86.953,940	11,308	10,844
14	13	98.809	59.015,334	1.413.935,240	23,959	23,494	64	63	76.575	7.258,554	79.264,378	10,920	10,456
15	14	98.782	56.866,245	1.354.919,906	23,826	23,362	65	64	74.854	6.838,948	72.005,824	10,529	10,064
16	15	98.747	54.791,524	1.298.053,661	23,691	23,226	66	65	73.005	6.428,955	65.166,876	10,136	9,672
17	16	98.691	52.781,448	1.243.262,137	23,555	23,090	67	66	71.024	6.028,373	58.737,921	9,744	9,279
18	17	98.620	50.837,131	1.190.480,688	23,418	22,953	68	67	68.873	5.634,523	52.709,549	9,355	8,890
19	18	98.524	48.951,705	1.139.643,558	23,281	22,817	69	68	66.561	5.248,581	47.075,026	8,969	8,505
20	19	98.416	47.130,807	1.090.691,853	23,142	22,677	70	69	64.105	4.872,227	41.826,445	8,585	8,120
21	20	98.314	45.380,164	1.043.561,045	22,996	22,532	71	70	61.483	4.503,992	36.954,218	8,205	7,740
22	21	98.206	43.691,816	998.180,881	22,846	22,382	72	71	58.700	4.144,729	32.450,226	7,829	7,365
23	22	98.108	42.070,547	954.489,065	22,688	22,223	73	72	55.716	3.791,792	28.305,497	7,465	7,001
24	23	98.009	40.508,898	912.418,518	22,524	22,059	74	73	52.589	3.449,656	24.513,706	7,106	6,642
25	24	97.912	39.006,212	871.909,620	22,353	21,889	75	74	49.330	3.118,943	21.064,050	6,754	6,289
26	25	97.814	37.558,642	832.903,408	22,176	21,712	76	75	45.979	2.801,954	17.945,106	6,404	5,940
27	26	97.720	36.166,309	795.344,766	21,991	21,527	77	76	42.552	2.499,424	15.143,152	6,059	5,594
28	27	97.623	34.824,411	759.178,458	21,800	21,336	78	77	39.059	2.211,298	12.643,728	5,718	5,253
29	28	97.522	33.531,251	724.354,046	21,602	21,138	79	78	35.494	1.936,861	10.432,430	5,386	4,922
30	29	97.425	32.286,960	690.822,795	21,396	20,932	80	79	31.903	1.677,952	8.495,569	5,063	4,599
31	30	97.325	31.088,124	658.535,835	21,183	20,718	81	80	28.289	1.434,130	6.817,617	4,754	4,289
32	31	97.217	29.930,992	627.447,711	20,963	20,499	82	81	24.702	1.206,992	5.383,486	4,460	3,996
33	32	97.102	28.815,217	597.516,720	20,736	20,272	83	82	21.136	995,405	4.176,494	4,196	3,731
34	33	96.983	27.739,473	568.701,503	20,502	20,037	84	83	17.755	805,981	3.181,089	3,947	3,482
35	34	96.851	26.700,632	540.962,030	20,260	19,796	85	84	14.665	641,661	2.375,108	3,702	3,237
36	35	96.705	25.696,564	514.261,398	20,013	19,548	86	85	11.920	502,673	1.733,447	3,448	2,984
37	36	96.546	24.727,148	488.564,834	19,758	19,294	87	86	9.443	383,830	1.230,774	3,207	2,742
38	37	96.375	23.791,141	463.837,686	19,496	19,032	88	87	7.216	282,703	846,944	2,996	2,531
39	38	96.183	22.885,579	440.046,545	19,228	18,764	89	88	5.312	200,584	564,241	2,813	2,349
40	39	95.968	22.008,985	417.160,966	18,954	18,490	90	89	3.784	137,717	363,657	2,641	2,176
41	40	95.726	21.159,999	395.151,980	18,674	18,210	91	90	2.598	91,128	225,940	2,479	2,015
42	41	95.461	20.338,726	373.991,981	18,388	17,924	92	91	1.711	57,848	134,812	2,330	1,866
43	42	95.156	19.541,019	353.653,255	18,098	17,634	93	92	1.071	34,891	76,964	2,206	1,741
44	43	94.814	18.766,961	334.112,236	17,803	17,339	94	93	640	20,105	42,073	2,093	1,628
45	44	94.436	18.016,692	315.345,275	17,503	17,039	95	94	365	11,039	21,969	1,990	1,526
46	45	94.015	17.287,953	297.328,583	17,199	16,734	96	95	197	5,762	10,929	1,897	1,432
47	46	93.547	16.580,190	280.040,630	16,890	16,426	97	96	101	2,851	5,168	1,812	1,348
48	47	93.029	15.892,416	263.460,440	16,578	16,113	98	97	49	1,335	2,316	1,736	1,271
49	48	92.469	15.225,789	247.568,024	16,260	15,795	99	98	23	0,589	0,982	1,666	1,202
							100	99	10	0,245	0,393	1,603	1,138

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 2 Jahre

Zinsfuß 3,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	48	92.054	14.609,591	234.371,726	16,042	15,578
1							51	49	91.404	13.982,051	219.762,135	15,717	15,253
2	0	99.504	92.440,521	2.325.275,747	25,154	24,690	52	50	90.711	13.374,589	205.780,084	15,386	14,921
3	1	99.106	88.743,123	2.232.835,225	25,161	24,696	53	51	89.952	12.783,185	192.405,495	15,051	14,587
4	2	99.052	85.489,308	2.144.092,102	25,080	24,616	54	52	89.138	12.209,693	179.622,310	14,711	14,247
5	3	99.019	82.371,994	2.058.602,794	24,992	24,527	55	53	88.265	11.653,134	167.412,617	14,366	13,902
6	4	98.989	79.370,195	1.976.230,800	24,899	24,434	56	54	87.328	11.112,661	155.759,483	14,016	13,552
7	5	98.964	76.482,597	1.896.860,605	24,801	24,337	57	55	86.342	10.590,154	144.646,821	13,659	13,194
8	6	98.939	73.699,428	1.820.378,008	24,700	24,236	58	56	85.271	10.080,735	134.056,668	13,298	12,834
9	7	98.918	71.020,602	1.746.678,580	24,594	24,130	59	57	84.119	9.585,137	123.975,933	12,934	12,470
10	8	98.901	68.441,225	1.675.657,979	24,483	24,019	60	58	82.864	9.100,777	114.390,796	12,569	12,105
11	9	98.882	65.954,915	1.607.216,754	24,368	23,904	61	59	81.536	8.631,311	105.290,019	12,199	11,734
12	10	98.861	63.557,711	1.541.261,838	24,250	23,785	62	60	80.147	8.177,625	96.658,708	11,820	11,355
13	11	98.840	61.247,294	1.477.704,127	24,127	23,662	63	61	78.633	7.733,078	88.481,083	11,442	10,977
14	12	98.818	59.020,347	1.416.456,833	23,999	23,535	64	62	77.060	7.304,520	80.748,005	11,055	10,590
15	13	98.791	48.962,478	1.357.436,486	23,868	23,404	65	63	75.367	6.885,784	73.443,485	10,666	10,202
16	14	98.758	54.797,909	1.300.564,731	23,734	23,269	66	64	73.543	6.476,315	66.557,700	10,277	9,813
17	15	98.709	52.790,880	1.245.766,821	23,598	23,134	67	65	71.609	6.078,014	60.081,385	9,885	9,421
18	16	98.641	50.847,899	1.192.975,941	23,462	22,997	68	66	69.502	5.686,019	54.003,371	9,498	9,033
19	17	98.546	48.962,478	1.142.128,042	23,327	22,862	69	67	67.245	5.302,481	48.317,353	9,112	8,648
20	18	98.445	47.144,365	1.093.165,564	23,188	22,723	70	68	64.847	4.928,598	43.014,872	8,728	8,263
21	19	98.341	45.392,747	1.046.021,199	23,044	22,579	71	69	62.277	4.562,197	38.086,274	8,348	7,884
22	20	98.237	43.705,621	1.000.628,452	22,895	22,430	72	70	59.547	4.204,490	33.524,077	7,973	7,509
23	21	98.132	42.080,843	956.922,831	22,740	22,276	73	71	56.634	3.854,278	29.319,587	7,607	7,143
24	22	98.035	40.519,869	914.841,988	22,578	22,113	74	72	53.555	3.512,992	25.465,309	7,249	6,784
25	23	97.938	39.016,391	874.322,119	22,409	21,945	75	73	50.356	3.183,805	21.952,317	6,895	6,431
26	24	97.840	37.568,848	835.305,728	22,234	21,770	76	74	47.050	2.867,217	18.768,512	6,546	6,081
27	25	97.744	36.175,210	797.736,879	22,052	21,588	77	75	43.685	2.565,953	15.901,295	6,197	5,733
28	26	97.650	34.834,164	761.561,669	21,862	21,398	78	76	40.223	2.277,220	13.335,342	5,856	5,392
29	27	97.551	33.541,026	726.727,505	21,667	21,202	79	77	36.688	2.001,991	11.058,122	5,524	5,059
30	28	97.454	32.296,546	693.186,480	21,463	20,999	80	78	33.131	1.742,534	9.056,131	5,197	4,733
31	29	97.354	31.097,226	660.889,933	21,252	20,788	81	79	29.532	1.497,108	7.313,597	4,885	4,421
32	30	97.248	29.940,795	629.792,707	21,035	20,570	82	80	25.967	1.268,801	5.816,489	4,584	4,120
33	31	97.137	28.825,514	599.851,912	20,810	20,345	83	81	22.383	1.054,168	4.547,688	4,314	3,850
34	32	97.017	27.749,340	571.026,399	20,578	20,114	84	82	18.982	861,665	3.493,520	4,054	3,590
35	33	96.890	26.711,305	543.277,059	20,339	19,874	85	83	15.797	691,190	2.631,854	3,808	3,343
36	34	96.750	25.708,617	516.565,754	20,093	19,629	86	84	12.961	546,599	1.940,664	3,550	3,086
37	35	96.595	24.739,814	490.857,137	19,841	19,376	87	85	10.341	420,324	1.394,066	3,317	2,852
38	36	96.429	23.804,602	466.117,323	19,581	19,117	88	86	8.025	314,399	973,741	3,097	2,633
39	37	96.242	22.899,622	442.312,722	19,315	18,851	89	87	6.022	227,388	659,342	2,900	2,435
40	38	96.035	22.024,392	419.413,100	19,043	18,579	90	88	4.357	158,573	431,954	2,724	2,260
41	39	95.802	21.176,946	397.388,708	18,765	18,301	91	89	3.050	106,986	273,381	2,555	2,091
42	40	95.544	20.356,436	376.211,762	18,481	18,017	92	90	2.045	69,152	166,395	2,406	1,942
43	41	95.250	19.560,355	355.855,326	18,193	17,728	93	91	1.317	42,938	97,243	2,265	1,800
44	42	94.920	18.788,092	336.294,972	17,899	17,435	94	92	805	25,301	54,305	2,146	1,682
45	43	94.559	18.040,108	317.506,880	17,600	17,136	95	93	470	14,226	29,004	2,039	1,574
46	44	94.146	17.312,051	299.466,772	17,298	16,834	96	94	261	7,613	14,779	1,941	1,477
47	45	93.696	16.606,528	282.154,720	16,991	16,526	97	95	137	3,868	7,166	1,853	1,388
48	46	93.197	15.921,010	265.548,192	16,679	16,215	98	96	69	1,861	3,298	1,772	1,308
49	47	92.649	15.255,456	249.627,182	16,363	15,899	99	97	32	0,846	1,437	1,699	1,235
							100	98	14	0,362	0,592	1,633	1,169

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 3 Jahre

Zinsfuß 3,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	47	92.234	14.638,057	236.249,737	16,139	15,675
1							51	48	91.598	14.011,755	221.611,680	15,816	15,352
2							52	49	90.930	13.406,856	207.599,925	15,485	15,020
3	0	99.484	89.081,359	2.235.610,110	25,096	24,632	53	50	90.179	12.815,565	194.193,069	15,153	14,688
4	1	99.088	85.519,937	2.146.528,751	25,100	24,635	54	51	89.386	12.243,697	181.377,504	14,814	14,350
5	2	99.039	82.388,283	2.061.008,814	25,016	24,551	55	52	88.533	11.688,471	169.133,807	14,470	14,006
6	3	99.006	79.383,821	1.978.620,531	24,925	24,460	56	53	87.604	11.147,861	157.445,336	14,123	13,659
7	4	98.977	76.492,476	1.899.236,710	24,829	24,365	57	54	86.644	10.627,117	146.297,475	13,766	13,302
8	5	98.952	73.709,063	1.822.744,234	24,729	24,264	58	55	85.595	10.119,055	135.670,358	13,407	12,943
9	6	98.928	71.027,147	1.749.035,171	24,625	24,160	59	56	84.459	9.623,777	125.551,304	13,046	12,582
10	7	98.909	68.447,186	1.678.008,024	24,515	24,051	60	57	83.235	9.141,574	115.927,530	12,681	12,217
11	8	98.891	65.961,247	1.609.560,838	24,402	23,937	61	58	81.931	8.673,077	106.785,953	12,312	11,848
12	9	98.868	63.561,819	1.543.599,591	24,285	23,821	62	59	80.557	8.219,410	98.112,876	11,937	11,472
13	10	98.848	61.252,445	1.480.037,773	24,163	23,698	63	60	79.068	7.775,878	89.893,466	11,561	11,096
14	11	98.827	59.025,882	1.418.785,328	24,037	23,572	64	61	77.496	7.345,858	82.117,587	11,179	10,714
15	12	98.800	56.876,586	1.359.759,446	23,907	23,443	65	62	75.844	6.929,390	74.771,729	10,791	10,326
16	13	98.768	54.803,219	1.302.882,860	23,774	23,309	66	63	74.047	6.520,668	67.842,339	10,404	9,940
17	14	98.720	52.797,032	1.248.079,641	23,639	23,175	67	64	72.136	6.122,789	61.321,671	10,015	9,551
18	15	98.659	50.856,986	1.195.282,608	23,503	23,038	68	65	70.075	5.732,841	55.198,882	9,629	9,164
19	16	98.567	48.972,849	1.144.425,622	23,369	22,904	69	66	67.859	5.350,942	49.466,041	9,244	8,780
20	17	98.466	47.154,740	1.095.452,773	23,231	22,767	70	67	65.513	4.979,211	44.115,100	8,860	8,395
21	18	98.370	45.405,806	1.048.298,033	23,087	22,623	71	68	62.998	4.614,982	39.135,888	8,480	8,016
22	19	98.264	43.717,740	1.002.892,228	22,940	22,476	72	69	60.316	4.258,825	34.520,907	8,106	7,641
23	20	98.163	42.094,139	959.174,488	22,786	22,322	73	70	57.450	3.909,851	30.262,082	7,740	7,276
24	21	98.059	40.529,785	917.080,349	22,627	22,163	74	71	54.437	3.570,884	26.352,231	7,380	6,915
25	22	97.964	39.026,957	876.550,564	22,460	21,996	75	72	51.281	3.242,260	22.781,347	7,026	6,562
26	23	97.866	37.578,653	837.523,606	22,287	21,823	76	73	48.028	2.926,844	19.539,087	6,676	6,211
27	24	97.771	36.185,041	799.944,954	22,107	21,643	77	74	44.703	2.625,719	16.612,243	6,327	5,862
28	25	97.674	34.842,737	763.759,913	21,920	21,456	78	75	41.294	2.337,834	13.986,524	5,983	5,518
29	26	97.578	33.550,419	728.917,175	21,726	21,262	79	76	37.782	2.061,673	11.648,690	5,650	5,186
30	27	97.482	32.305,961	695.366,757	21,524	21,060	80	77	34.245	1.801,130	9.587,017	5,323	4,858
31	28	97.383	31.106,460	663.060,795	21,316	20,851	81	78	30.668	1.554,729	7.785,888	5,008	4,543
32	29	97.277	29.949,561	631.954,336	21,101	20,636	82	79	27.107	1.324,519	6.231,159	4,704	4,240
33	30	97.169	28.834,955	602.004,775	20,878	20,413	83	80	23.529	1.108,151	4.906,640	4,428	3,963
34	31	97.052	27.759,256	573.169,820	20,648	20,183	84	81	20.102	912,534	3.798,489	4,163	3,698
35	32	96.924	26.720,806	545.410,565	20,411	19,947	85	82	16.889	738,944	2.885,955	3,906	3,441
36	33	96.789	25.718,893	518.689,758	20,168	19,703	86	83	13.962	588,790	2.147,011	3,646	3,182
37	34	96.641	24.751,418	492.970,865	19,917	19,452	87	84	11.244	457,054	1.558,221	3,409	2,945
38	35	96.479	23.816,795	468.219,447	19,659	19,195	88	85	8.788	344,292	1.101,167	3,198	2,734
39	36	96.296	22.912,578	444.402,652	19,396	18,931	89	86	6.697	252,882	756,875	2,993	2,529
40	37	96.094	22.037,906	421.490,074	19,126	18,661	90	87	4.939	179,763	503,993	2,804	2,339
41	38	95.869	21.191,770	399.452,168	18,849	18,385	91	88	3.511	123,189	324,230	2,632	2,168
42	39	95.620	20.372,739	378.260,398	18,567	18,103	92	89	2.401	81,185	201,041	2,476	2,012
43	40	95.333	19.577,387	357.887,659	18,281	17,816	93	90	1.575	51,328	119,856	2,335	1,871
44	41	95.014	18.806,682	338.310,273	17,989	17,524	94	91	991	31,136	68,528	2,201	1,736
45	42	94.666	18.060,420	319.503,591	17,691	17,226	95	92	591	17,903	37,392	2,089	1,624
46	43	94.268	17.334,552	301.443,171	17,390	16,925	96	93	336	9,810	19,489	1,987	1,522
47	44	93.826	16.629,677	284.108,618	17,084	16,620	97	94	182	5,110	9,679	1,894	1,430
48	45	93.345	15.946,301	267.478,942	16,774	16,309	98	95	93	2,524	4,569	1,810	1,346
49	46	92.816	15.282,904	251.532,641	16,458	15,994	99	96	45	1,179	2,045	1,734	1,269
							100	97	21	0,520	0,865	1,664	1,200

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 4 Jahre

Zinsfuß 3,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	46	92.399	14.664,394	237.985,348	16,229	15,764
1							51	47	91.776	14.039,056	223.320,954	15,907	15,443
2							52	48	91.123	13.435,338	209.281,898	15,577	15,113
3							53	49	90.397	12.846,483	195.846,560	15,245	14,781
4	0	99.465	85.845,888	2.149.101,595	25,034	24,570	54	50	89.613	12.274,710	183.000,076	14,909	14,444
5	1	99.074	82.417,800	2.063.255,707	25,034	24,570	55	51	88.779	11.721,023	170.725,366	14,566	14,101
6	2	99.025	79.399,519	1.980.837,906	24,948	24,483	56	52	87.870	11.181,665	159.004,343	14,220	13,756
7	3	98.994	76.505,608	1.901.438,387	24,854	24,389	57	53	86.918	10.660,779	147.822,678	13,866	13,402
8	4	98.965	73.718,584	1.824.932,779	24,755	24,291	58	54	85.894	10.154,374	137.161,899	13,508	13,043
9	5	98.940	71.036,433	1.751.214,195	24,652	24,188	59	55	84.780	9.660,356	127.007,525	13,147	12,683
10	6	98.918	68.453,494	1.680.177,762	24,545	24,080	60	56	83.571	9.178,426	117.347,169	12,785	12,321
11	7	98.900	65.966,992	1.611.724,269	24,432	23,968	61	57	82.298	8.711,959	108.168,743	12,416	11,952
12	8	98.877	63.567,921	1.545.757,276	24,317	23,852	62	58	80.947	8.259,184	99.456,784	12,042	11,578
13	9	98.855	61.256,403	1.482.189,356	24,196	23,732	63	59	79.472	7.815,611	91.197,600	11,669	11,204
14	10	98.835	59.030,846	1.420.932,953	24,071	23,607	64	60	77.925	7.386,515	83.381,989	11,288	10,824
15	11	98.809	56.881,920	1.361.902,107	23,943	23,478	65	61	76.273	6.968,605	75.995,473	10,905	10,441
16	12	98.776	54.807,874	1.305.020,187	23,811	23,346	66	62	74.516	6.561,961	69.026,868	10,519	10,055
17	13	98.730	52.802,148	1.250.212,313	23,677	23,213	67	63	72.630	6.164,720	62.464,907	10,133	9,668
18	14	98.670	50.862,913	1.197.410,164	23,542	23,077	68	64	70.591	5.775,073	56.300,187	9,749	9,284
19	15	98.584	48.981,601	1.146.547,252	23,408	22,943	69	65	68.418	5.395,005	50.525,114	9,365	8,901
20	16	98.487	47.164,729	1.097.565,651	23,271	22,806	70	66	66.112	5.024,718	45.130,109	8,982	8,517
21	17	98.391	45.415,798	1.050.400,922	23,129	22,664	71	67	63.645	4.662,375	40.105,391	8,602	8,138
22	18	98.293	43.730,316	1.004.985,124	22,981	22,517	72	68	61.014	4.308,099	35.443,016	8,227	7,763
23	19	98.190	42.105,811	961.254,808	22,830	22,365	73	69	58.193	3.960,378	31.134,917	7,862	7,397
24	20	98.090	40.542,591	919.148,997	22,671	22,207	74	70	55.222	3.622,371	27.174,539	7,502	7,037
25	21	97.988	39.036,508	878.606,407	22,507	22,043	75	71	52.126	3.295,691	23.552,168	7,146	6,682
26	22	97.893	37.588,830	839.569,898	22,336	21,871	76	72	48.910	2.980,581	20.256,478	6,796	6,332
27	23	97.796	36.194,484	801.981,069	22,158	21,693	77	73	45.632	2.680,323	17.275,896	6,445	5,981
28	24	97.701	34.852,206	765.786,584	21,972	21,508	78	74	42.256	2.392,286	14.595,573	6,101	5,637
29	25	97.602	33.558,676	730.934,378	21,781	21,316	79	75	38.787	2.116,550	12.203,287	5,766	5,301
30	26	97.510	32.315,008	697.375,702	21,581	21,116	80	76	35.266	1.854,824	10.086,737	5,438	4,974
31	27	97.411	31.115,528	665.060,694	21,374	20,909	81	77	31.700	1.607,009	8.231,913	5,123	4,658
32	28	97.306	29.958,453	633.945,166	21,161	20,696	82	78	28.150	1.375,497	6.624,904	4,816	4,352
33	29	97.197	28.843,397	603.986,713	20,940	20,476	83	79	24.563	1.156,814	5.249,407	4,538	4,073
34	30	97.084	27.768,347	575.143,315	20,712	20,248	84	80	21.132	959,264	4.092,593	4,266	3,802
35	31	96.959	26.730,355	547.374,968	20,478	20,013	85	81	17.886	782,567	3.133,329	4,004	3,539
36	32	96.823	25.728,042	520.644,613	20,236	19,772	86	82	14.926	629,469	2.350,762	3,735	3,270
37	33	96.679	24.761,312	494.916,572	19,987	19,523	87	83	12.112	492,333	1.721,293	3,496	3,032
38	34	96.524	23.827,966	470.155,260	19,731	19,267	88	84	9.556	374,377	1.228,960	3,283	2,818
39	35	96.346	22.924,314	446.327,294	19,470	19,005	89	85	7.333	276,926	854,582	3,086	2,622
40	36	96.148	22.050,374	423.402,980	19,202	18,737	90	86	5.493	199,918	577,656	2,889	2,425
41	37	95.928	21.204,773	401.352,605	18,927	18,463	91	87	3.981	139,650	377,738	2,705	2,240
42	38	95.687	20.387,000	380.147,832	18,647	18,182	92	88	2.765	93,481	238,087	2,547	2,082
43	39	95.409	19.593,066	359.760,832	18,362	17,897	93	89	1.849	60,260	144,607	2,400	1,935
44	40	95.097	18.823,057	340.167,766	18,072	17,607	94	90	1.185	37,220	84,347	2,266	1,802
45	41	94.759	18.078,291	321.344,708	17,775	17,311	95	91	728	22,031	47,127	2,139	1,675
46	42	94.374	17.354,070	303.266,418	17,475	17,011	96	92	423	12,346	25,095	2,033	1,568
47	43	93.948	16.651,291	285.912,348	17,171	16,706	97	93	234	6,585	12,750	1,936	1,472
48	44	93.475	15.968,529	269.261,058	16,862	16,398	98	94	123	3,335	6,165	1,848	1,384
49	45	92.963	15.307,181	253.292,529	16,547	16,083	99	95	61	1,600	2,829	1,769	1,304
							100	96	29	0,725	1,230	1,696	1,232

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 5 Jahre

Zinsfuß 3,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	45	92.546	14.687,689	239.586,506	16,312	15,848
1							51	46	91.942	14.064,315	224.898,817	15,991	15,526
2							52	47	91.301	13.461,516	210.834,501	15,662	15,198
3							53	48	90.589	12.873,775	197.372,986	15,331	14,867
4							54	49	89.829	12.304,323	184.499,211	14,995	14,530
5	0	99.452	82.731,928	2.065.639,756	24,968	24,503	55	50	89.004	11.750,713	172.194,887	14,654	14,190
6	1	99.061	79.427,966	1.982.907,827	24,965	24,500	56	51	88.115	11.212,806	160.444,175	14,309	13,845
7	2	99.014	76.520,737	1.903.479,862	24,875	24,411	57	52	87.182	10.693,107	149.444,369	13,956	13,491
8	3	98.982	73.731,240	1.826.959,125	24,779	24,314	58	53	86.166	10.186,538	138.538,262	13,600	13,136
9	4	98.953	71.045,609	1.753.227,885	24,677	24,213	59	54	85.076	9.694,074	128.351,724	13,240	12,776
10	5	98.931	68.462,443	1.682.182,276	24,571	24,106	60	55	83.888	9.213,315	118.657,649	12,879	12,415
11	6	98.909	65.973,071	1.613.719,833	24,460	23,996	61	56	82.630	8.747,076	109.444,334	12,512	12,048
12	7	98.886	63.573,457	1.547.746,761	24,346	23,881	62	57	81.310	8.296,210	100.697,258	12,138	11,673
13	8	98.864	61.262,284	1.484.173,304	24,227	23,762	63	58	79.856	7.853,430	92.401,047	11,766	11,301
14	9	98.842	59.034,661	1.422.911,021	24,103	23,639	64	59	78.323	7.424,259	84.547,617	11,388	10,924
15	10	98.817	56.886,704	1.363.876,360	23,975	23,511	65	60	76.695	7.007,174	77.123,358	11,006	10,542
16	11	98.786	54.813,014	1.306.989,656	23,845	23,380	66	61	74.938	6.599,097	70.116,184	10,625	10,161
17	12	98.738	52.806,633	1.252.176,642	23,712	23,248	67	62	73.090	6.203,760	63.517,087	10,238	9,774
18	13	98.680	50.867,841	1.199.370,008	23,578	23,114	68	63	71.074	5.814,623	57.313,327	9,857	9,392
19	14	98.596	48.987,309	1.148.502,167	23,445	22,980	69	64	68.922	5.434,748	51.498,704	9,476	9,011
20	15	98.505	47.173,157	1.099.514,858	23,308	22,844	70	65	66.656	5.066,095	46.063,956	9,093	8,628
21	16	98.412	45.425,418	1.052.341,701	23,166	22,702	71	66	64.226	4.704,986	40.997,861	8,714	8,249
22	17	98.314	43.739,940	1.006.916,284	23,021	22,556	72	67	61.641	4.352,340	36.292,876	8,339	7,874
23	18	98.219	42.117,923	963.176,343	22,869	22,404	73	68	58.866	4.006,199	31.940,535	7,973	7,508
24	19	98.117	40.553,833	921.058,420	22,712	22,248	74	69	55.936	3.669,183	27.934,336	7,613	7,149
25	20	98.019	39.048,842	880.504,587	22,549	22,084	75	70	52.878	3.343,210	24.265,153	7,258	6,794
26	21	97.916	37.598,029	841.455,745	22,380	21,916	76	71	49.716	3.029,699	20.921,943	6,906	6,441
27	22	97.823	36.204,286	803.857,716	22,203	21,739	77	72	46.470	2.729,534	17.892,244	6,555	6,091
28	23	97.726	34.861,301	767.653,430	22,020	21,556	78	73	43.134	2.442,036	15.162,709	6,209	5,745
29	24	97.629	33.567,796	732.792,129	21,830	21,366	79	74	39.691	2.165,848	12.720,673	5,873	5,409
30	25	97.534	32.322,962	699.224,333	21,632	21,168	80	75	36.204	1.904,195	10.554,825	5,543	5,079
31	26	97.438	31.124,241	666.901,371	21,427	20,963	81	76	32.645	1.654,916	8.650,630	5,227	4,763
32	27	97.334	29.967,187	635.777,130	21,216	20,751	82	77	29.097	1.421,751	6.995,714	4,920	4,456
33	28	97.226	28.851,961	605.809,943	20,997	20,533	83	78	25.508	1.201,338	5.573,963	4,640	4,175
34	29	97.112	27.776,478	576.957,982	20,771	20,307	84	79	22.060	1.001,388	4.372,625	4,367	3,902
35	30	96.991	26.739,110	549.181,504	20,539	20,074	85	80	18.802	822,641	3.371,237	4,098	3,634
36	31	96.858	25.737,235	522.442,394	20,299	19,835	86	81	15.807	666,630	2.548,596	3,823	3,359
37	32	96.714	24.770,119	496.705,159	20,053	19,588	87	82	12.949	526,348	1.881,966	3,576	3,111
38	33	96.563	23.837,491	471.935,040	19,798	19,334	88	83	10.293	403,275	1.355,618	3,362	2,897
39	34	96.391	22.935,067	448.097,549	19,538	19,073	89	84	7.974	301,125	952,342	3,163	2,698
40	35	96.197	22.061,669	425.162,482	19,272	18,807	90	85	6.015	218,926	651,217	2,975	2,510
41	36	95.982	21.216,771	403.100,813	18,999	18,535	91	86	4.427	155,307	432,291	2,783	2,319
42	37	95.746	20.399,509	381.884,043	18,720	18,256	92	87	3.134	105,972	276,983	2,614	2,149
43	38	95.476	19.606,781	361.484,533	18,437	17,972	93	88	2.129	69,386	171,011	2,465	2,000
44	39	95.173	18.838,133	341.877,752	18,148	17,684	94	89	1.391	43,697	101,625	2,326	1,861
45	40	94.842	18.094,032	323.039,619	17,853	17,389	95	90	870	26,336	57,928	2,200	1,735
46	41	94.468	17.371,241	304.945,587	17,555	17,090	96	91	521	15,193	31,592	2,079	1,615
47	42	94.054	16.670,039	287.574,346	17,251	16,787	97	92	295	8,287	16,399	1,979	1,514
48	43	93.596	15.989,283	270.904,307	16,943	16,478	98	93	159	4,298	8,111	1,887	1,423
49	44	93.093	15.328,518	254.915,024	16,630	16,166	99	94	81	2,114	3,814	1,804	1,340
							100	95	39	0,983	1,700	1,729	1,264

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 6 Jahre

Zinsfuß 3,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	44	92.675	14.708,163	241.061,142	16,390	15,925
1							51	45	92.088	14.086,657	226.352,979	16,069	15,604
2							52	46	91.465	13.485,736	212.266,323	15,740	15,276
3							53	47	90.766	12.898,859	198.780,587	15,411	14,946
4							54	48	90.020	12.330,463	185.881,728	15,075	14,611
5							55	49	89.219	11.779,062	173.551,265	14,734	14,269
6	0	99.438	79.730,698	1.985.115,872	24,898	24,433	56	50	88.338	11.241,209	161.772,203	14,391	13,927
7	1	99.049	76.548,152	1.905.385,174	24,891	24,427	57	51	87.425	10.722,887	150.530,995	14,038	13,574
8	2	99.002	73.745,821	1.828.837,021	24,799	24,335	58	52	86.427	10.217,428	139.808,108	13,683	13,219
9	3	98.970	71.057,805	1.755.091,201	24,699	24,235	59	53	85.345	9.724,781	129.590,681	13,326	12,861
10	4	98.944	68.471,287	1.684.033,395	24,595	24,130	60	54	84.181	9.245,473	119.865,900	12,965	12,500
11	5	98.922	65.981,697	1.615.562,109	24,485	24,021	61	55	82.944	8.780,326	110.620,427	12,599	12,134
12	6	98.895	63.579,316	1.549.580,412	24,372	23,908	62	56	81.637	8.329,651	101.840,100	12,226	11,762
13	7	98.873	61.267,619	1.486.001,096	24,254	23,790	63	57	80.214	7.888,638	93.510,449	11,854	11,389
14	8	98.851	59.040,328	1.424.733,477	24,132	23,667	64	58	78.702	7.460,164	85.621,811	11,477	11,013
15	9	98.824	56.890,380	1.365.693,149	24,006	23,541	65	59	77.087	7.042,979	78.161,626	11,098	10,633
16	10	98.794	54.817,624	1.308.802,769	23,876	23,411	66	60	75.352	6.635,621	71.118,647	10,718	10,253
17	11	98.748	52.811,586	1.253.985,145	23,745	23,280	67	61	73.504	6.238,868	64.483,026	10,336	9,871
18	12	98.688	50.872,162	1.201.173,559	23,612	23,147	68	62	71.524	5.851,446	58.244,158	9,954	9,489
19	13	98.605	48.992,056	1.150.301,397	23,479	23,015	69	63	69.394	5.471,968	52.392,712	9,575	9,110
20	14	98.516	47.178,655	1.101.309,342	23,343	22,879	70	64	67.147	5.103,415	46.920,745	9,194	8,730
21	15	98.430	45.433,535	1.054.130,687	23,202	22,737	71	65	64.755	4.743,729	41.817,330	8,815	8,351
22	16	98.335	43.749,205	1.008.697,152	23,056	22,592	72	66	62.204	4.392,118	37.073,600	8,441	7,977
23	17	98.240	42.127,192	964.947,946	22,906	22,441	73	67	59.470	4.047,341	32.681,482	8,075	7,610
24	18	98.146	40.565,499	922.820,754	22,749	22,284	74	68	56.583	3.711,635	28.634,142	7,715	7,250
25	19	98.046	39.059,670	882.255,255	22,587	22,123	75	69	53.561	3.386,414	24.922,507	7,360	6,895
26	20	97.947	37.609,908	843.195,585	22,420	21,955	76	70	50.433	3.073,383	21.536,093	7,007	6,543
27	21	97.846	36.213,147	805.585,677	22,246	21,781	77	71	47.236	2.774,516	18.462,710	6,654	6,190
28	22	97.753	34.870,742	769.372,531	22,064	21,599	78	72	43.926	2.486,872	15.688,194	6,308	5,844
29	23	97.654	33.576,556	734.501,788	21,875	21,411	79	73	40.516	2.210,889	13.201,321	5,971	5,507
30	24	97.560	32.331,746	700.925,232	21,679	21,215	80	74	37.048	1.948,547	10.990,432	5,640	5,176
31	25	97.462	31.131,902	668.593,487	21,476	21,012	81	75	33.514	1.698,966	9.041,885	5,322	4,858
32	26	97.361	29.975,579	637.461,585	21,266	20,802	82	76	29.964	1.464,135	7.342,919	5,015	4,551
33	27	97.254	28.860,372	607.486,006	21,049	20,585	83	77	26.366	1.241,735	5.878,784	4,734	4,270
34	28	97.141	27.784,725	578.625,634	20,825	20,361	84	78	22.909	1.039,930	4.637,049	4,459	3,995
35	29	97.019	26.746,939	550.840,909	20,595	20,130	85	79	19.627	858,766	3.597,119	4,189	3,724
36	30	96.889	25.745,665	524.093,971	20,357	19,892	86	80	16.617	700,767	2.738,353	3,908	3,443
37	31	96.748	24.778,971	498.348,306	20,112	19,647	87	81	13.714	557,421	2.037,586	3,655	3,191
38	32	96.597	23.845,970	473.569,335	19,860	19,395	88	82	11.004	431,137	1.480,165	3,433	2,969
39	33	96.429	22.944,235	449.723,365	19,601	19,136	89	83	8.590	324,369	1.049,027	3,234	2,770
40	34	96.242	22.072,017	426.779,131	19,336	18,871	90	84	6.540	238,057	724,658	3,044	2,580
41	35	96.032	21.227,638	404.707,114	19,065	18,601	91	85	4.848	170,074	486,602	2,861	2,397
42	36	95.800	20.411,051	383.479,476	18,788	18,323	92	86	3.485	117,854	316,528	2,686	2,221
43	37	95.535	19.618,812	363.068,425	18,506	18,042	93	87	2.413	78,658	198,674	2,526	2,061
44	38	95.240	18.851,320	343.449,613	18,219	17,754	94	88	1.602	50,315	120,016	2,385	1,921
45	39	94.918	18.108,524	324.598,293	17,925	17,461	95	89	1.021	30,919	69,701	2,254	1,790
46	40	94.550	17.386,367	306.489,770	17,628	17,164	96	90	622	18,162	38,782	2,135	1,671
47	41	94.147	16.686,533	289.103,403	17,326	16,861	97	91	363	10,199	20,620	2,022	1,557
48	42	93.702	16.007,286	272.416,869	17,018	16,554	98	92	199	5,409	10,421	1,927	1,462
49	43	93.214	15.348,441	256.409,583	16,706	16,241	99	93	104	2,724	5,013	1,840	1,376
							100	94	52	1,299	2,289	1,762	1,297

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 7 Jahre

Zinsfuß 3,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	43	92.796	14.727,279	242.418,344	16,460	15,996
1							51	44	92.216	14.106,293	227.691,065	16,141	15,677
2							52	45	91.611	13.507,158	213.584,772	15,813	15,348
3							53	46	90.929	12.922,066	200.077,613	15,483	15,019
4							54	47	90.195	12.354,488	187.155,547	15,149	14,684
5							55	48	89.408	11.804,085	174.801,059	14,809	14,344
6							56	49	88.551	11.268,328	162.996,973	14,465	14,001
7	0	99.427	76.839,909	1.907.429,516	24,823	24,359	57	50	87.646	10.750,048	151.728,645	14,114	13,650
8	1	99.037	73.772,241	1.830.589,607	24,814	24,350	58	51	86.668	10.245,883	140.978,597	13,760	13,295
9	2	98.990	71.071,857	1.756.817,366	24,719	24,254	59	52	85.604	9.754,270	130.732,714	13,403	12,938
10	3	98.961	68.483,042	1.685.745,509	24,616	24,151	60	53	84.448	9.274,759	120.978,444	13,044	12,579
11	4	98.935	65.990,220	1.617.262,467	24,508	24,043	61	54	83.234	8.810,973	111.703,685	12,678	12,213
12	5	98.908	63.587,628	1.551.272,247	24,396	23,931	62	55	81.948	8.361,315	102.892,712	12,306	11,841
13	6	98.882	61.273,265	1.487.684,619	24,280	23,815	63	56	80.538	7.920,436	94.531,398	11,935	11,471
14	7	98.860	59.045,470	1.426.411,354	24,158	23,693	64	57	79.055	7.493,629	86.610,961	11,558	11,094
15	8	98.833	56.895,842	1.367.365,884	24,033	23,568	65	58	77.460	7.077,060	79.117,332	11,179	10,715
16	9	98.800	54.821,167	1.310.470,042	23,904	23,440	66	59	75.737	6.669,527	72.040,273	10,801	10,337
17	10	98.756	52.816,027	1.255.648,876	23,774	23,310	67	60	73.910	6.273,399	65.370,745	10,420	9,956
18	11	98.698	50.876,933	1.202.832,848	23,642	23,178	68	61	71.929	5.884,560	59.097,347	10,043	9,578
19	12	98.614	48.996,217	1.151.955,915	23,511	23,047	69	62	69.834	5.506,620	53.212,787	9,663	9,199
20	13	98.526	47.183,226	1.102.959,699	23,376	22,912	70	63	67.607	5.138,366	47.706,166	9,284	8,820
21	14	98.441	45.438,830	1.055.776,473	23,235	22,771	71	64	65.232	4.778,675	42.567,801	8,908	8,443
22	15	98.353	43.757,023	1.010.337,642	23,090	22,625	72	65	62.716	4.428,285	37.789,126	8,534	8,069
23	16	98.261	42.136,116	966.580,619	22,939	22,475	73	66	60.014	4.084,331	33.360,840	8,168	7,704
24	17	98.167	40.574,426	924.444,504	22,784	22,319	74	67	57.164	3.749,751	29.276,510	7,808	7,343
25	18	98.075	39.070,906	883.870,078	22,622	22,158	75	68	54.181	3.425,595	25.526,759	7,452	6,987
26	19	97.975	37.620,337	844.799,171	22,456	21,991	76	69	51.085	3.113,101	22.101,164	7,099	6,635
27	20	97.877	36.224,589	807.178,835	22,283	21,818	77	70	47.917	2.814,520	18.988,063	6,746	6,282
28	21	97.776	34.879,276	770.954,246	22,104	21,639	78	71	44.650	2.527,855	16.173,543	6,398	5,934
29	22	97.681	33.585,649	736.074,970	21,916	21,452	79	72	41.260	2.251,481	13.645,689	6,061	5,596
30	23	97.586	32.340,183	702.489,321	21,722	21,257	80	73	37.818	1.989,069	11.394,207	5,728	5,264
31	24	97.489	31.140,362	670.149,137	21,520	21,056	81	74	34.294	1.738,538	9.405,138	5,410	4,945
32	25	97.385	29.982,957	639.008,776	21,312	20,848	82	75	30.762	1.503,107	7.666,600	5,101	4,636
33	26	97.282	28.868,454	609.025,819	21,097	20,632	83	76	27.152	1.278,753	6.163,493	4,820	4,356
34	27	97.169	27.792,825	580.157,365	20,874	20,410	84	77	23.679	1.074,899	4.884,741	4,544	4,080
35	28	97.048	26.754,880	552.364,540	20,645	20,181	85	78	20.383	891,819	3.809,841	4,272	3,808
36	29	96.918	25.753,203	525.609,660	20,409	19,945	86	79	17.347	731,540	2.918,022	3,989	3,524
37	30	96.780	24.787,086	499.856,457	20,166	19,702	87	80	14.416	585,966	2.186,482	3,731	3,267
38	31	96.631	23.854,491	475.069,371	19,915	19,451	88	81	11.654	456,589	1.600,516	3,505	3,041
39	32	96.464	22.952,396	451.214,880	19,659	19,194	89	82	9.183	346,779	1.143,927	3,299	2,834
40	33	96.281	22.080,840	428.262,484	19,395	18,931	90	83	7.045	256,432	797,147	3,109	2,644
41	34	96.077	21.237,595	406.181,644	19,126	18,661	91	84	5.272	184,936	540,715	2,924	2,459
42	35	95.849	20.421,506	384.944,049	18,850	18,386	92	85	3.817	129,059	355,779	2,757	2,292
43	36	95.589	19.629,912	364.522,544	18,570	18,105	93	86	2.684	87,477	226,720	2,592	2,127
44	37	95.298	18.862,887	344.892,632	18,284	17,820	94	87	1.816	57,039	139,243	2,441	1,977
45	38	94.984	18.121,200	326.029,745	17,992	17,527	95	88	1.176	35,602	82,205	2,309	1,845
46	39	94.626	17.400,292	307.908,545	17,696	17,231	96	89	731	21,322	46,603	2,186	1,721
47	40	94.229	16.701,063	290.508,254	17,395	16,930	97	90	433	12,191	25,281	2,074	1,609
48	41	93.794	16.023,125	273.807,191	17,088	16,624	98	91	245	6,656	13,090	1,967	1,502
49	42	93.319	15.365,722	257.784,066	16,777	16,312	99	92	131	3,428	6,434	1,877	1,412
							100	93	66	1,674	3,006	1,795	1,331

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 8 Jahre

Zinsfuß 3,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	42	92.900	14.743,861	243.665,591	16,527	16,062
1							51	43	92.336	14.124,627	228.921,730	16,207	15,743
2							52	44	91.738	13.525,987	214.797,103	15,880	15,416
3							53	45	91.073	12.942,594	201.271,117	15,551	15,087
4							54	46	90.357	12.376,717	188.328,523	15,216	14,752
5							55	47	89.583	11.827,085	175.951,807	14,877	14,413
6							56	48	88.739	11.292,267	164.124,722	14,534	14,070
7							57	49	87.858	10.775,983	152.832,455	14,183	13,718
8	0	99.415	74.053,418	1.832.481,995	24,745	24,281	58	50	86.888	10.271,836	142.056,472	13,830	13,365
9	1	99.025	71.097,320	1.758.428,578	24,733	24,268	59	51	85.842	9.781,435	131.784,636	13,473	13,009
10	2	98.981	68.496,584	1.687.331,258	24,634	24,169	60	52	84.704	9.302,883	122.003,200	13,115	12,650
11	3	98.952	66.001,548	1.618.834,673	24,527	24,063	61	53	83.497	8.838,882	112.700,317	12,751	12,286
12	4	98.920	63.595,842	1.552.833,125	24,417	23,953	62	54	82.234	8.390,499	103.861,435	12,378	11,914
13	5	98.895	61.281,276	1.489.237,283	24,302	23,837	63	55	80.844	7.950,544	95.470,936	12,008	11,544
14	6	98.869	59.050,912	1.427.956,007	24,182	23,717	64	56	79.374	7.523,835	87.520,392	11,632	11,168
15	7	98.842	56.900,797	1.368.905,095	24,058	23,593	65	57	77.808	7.108,787	79.996,557	11,253	10,789
16	8	98.810	54.826,429	1.312.004,298	23,930	23,466	66	58	76.104	6.701,801	72.887,770	10,876	10,411
17	9	98.762	52.819,440	1.257.177,869	23,801	23,337	67	59	74.288	6.305,454	66.185,969	10,497	10,032
18	10	98.706	50.881,212	1.204.358,429	23,670	23,206	68	60	72.327	5.917,129	59.880,515	10,120	9,655
19	11	98.623	49.000,812	1.153.477,217	23,540	23,076	69	61	70.229	5.537,783	53.963,386	9,745	9,280
20	12	98.534	47.187,234	1.104.476,405	23,406	22,942	70	62	68.035	5.170,905	48.425,603	9,365	8,901
21	13	98.451	45.443,233	1.057.289,171	23,266	22,802	71	63	65.679	4.811,401	43.254,697	8,990	8,526
22	14	98.364	43.762,122	1.011.845,938	23,122	22,657	72	64	63.178	4.460,907	38.443,296	8,618	8,153
23	15	98.279	42.143,645	968.083,816	22,971	22,507	73	65	60.508	4.117,964	33.982,389	8,252	7,788
24	16	98.188	40.583,021	925.940,170	22,816	22,352	74	66	57.686	3.784,021	29.864,425	7,892	7,428
25	17	98.096	39.079,505	885.357,150	22,655	22,191	75	67	54.737	3.460,773	26.080,403	7,536	7,072
26	18	98.003	37.631,159	846.277,645	22,489	22,024	76	68	51.676	3.149,119	22.619,630	7,183	6,718
27	19	97.905	36.234,633	808.646,486	22,317	21,853	77	69	48.536	2.850,892	19.470,511	6,830	6,365
28	20	97.807	34.890,297	772.411,853	22,138	21,674	78	70	45.294	2.564,303	16.619,619	6,481	6,017
29	21	97.705	33.593,869	737.521,557	21,954	21,490	79	71	41.940	2.288,585	14.055,317	6,141	5,677
30	22	97.612	32.348,942	703.927,688	21,760	21,296	80	72	38.512	2.025,589	11.766,732	5,809	5,345
31	23	97.514	31.148,489	671.578,746	21,561	21,096	81	73	35.007	1.774,693	9.741,143	5,489	5,024
32	24	97.412	29.991,104	640.430,258	21,354	20,890	82	74	31.478	1.538,117	7.966,450	5,179	4,715
33	25	97.306	28.875,559	610.439,153	21,140	20,676	83	75	27.875	1.312,790	6.428,333	4,897	4,432
34	26	97.196	27.800,608	581.563,594	20,919	20,455	84	76	24.385	1.106,943	5.115,543	4,621	4,157
35	27	97.076	26.762,680	553.762,986	20,692	20,227	85	77	21.068	921,808	4.008,600	4,349	3,884
36	28	96.946	25.760,849	527.000,307	20,457	19,993	86	78	18.014	759,696	3.086,792	4,063	3,599
37	29	96.808	24.794,344	501.239,457	20,216	19,751	87	79	15.049	611,698	2.327,096	3,804	3,340
38	30	96.663	23.862,304	476.445,113	19,966	19,502	88	80	12.251	479,971	1.715,398	3,574	3,110
39	31	96.498	22.960,598	452.582,810	19,711	19,247	89	81	9.725	367,251	1.235,428	3,364	2,900
40	32	96.315	22.088,694	429.622,212	19,450	18,985	90	82	7.532	274,149	868,176	3,167	2,702
41	33	96.115	21.246,084	407.533,518	19,182	18,717	91	83	5.678	199,211	594,027	2,982	2,517
42	34	95.894	20.431,084	386.287,434	18,907	18,442	92	84	4.150	140,337	394,817	2,813	2,349
43	35	95.638	19.639,967	365.856,349	18,628	18,164	93	85	2.939	95,794	254,480	2,657	2,192
44	36	95.352	18.873,559	346.216,383	18,344	17,880	94	86	2.019	63,434	158,685	2,502	2,037
45	37	95.043	18.132,319	327.342,824	18,053	17,589	95	87	1.333	40,359	95,252	2,360	1,896
46	38	94.692	17.412,472	309.210,505	17,758	17,294	96	88	841	24,551	54,893	2,236	1,771
47	39	94.305	16.714,439	291.798,033	17,458	16,993	97	89	509	14,313	30,341	2,120	1,655
48	40	93.876	16.037,077	275.083,594	17,153	16,689	98	90	293	7,957	16,029	2,014	1,550
49	41	93.411	15.380,926	259.046,518	16,842	16,378	99	91	161	4,218	8,072	1,914	1,449
							100	92	84	2,107	3,854	1,829	1,365

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 9 Jahre

Zinsfuß 3,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	41	92.992	14.758,450	244.810,488	16,588	16,123
1							51	42	92.440	14.140,530	230.052,038	16,269	15,805
2							52	43	91.857	13.543,566	215.911,508	15,942	15,478
3							53	44	91.200	12.960,635	202.367,941	15,614	15,150
4							54	45	90.501	12.396,377	189.407,306	15,279	14,815
5							55	46	89.744	11.848,364	177.010,929	14,940	14,475
6							56	47	88.912	11.314,269	165.162,565	14,598	14,133
7							57	48	88.044	10.798,876	153.848,295	14,247	13,782
8							58	49	87.097	10.296,617	143.049,420	13,893	13,428
9	0	99.403	71.368,301	1.760.180,179	24,663	24,199	59	50	86.060	9.806,212	132.752,802	13,538	13,073
10	1	99.016	68.521,125	1.688.811,878	24,647	24,182	60	51	84.940	9.328,791	122.946,590	13,179	12,715
11	2	98.971	66.014,600	1.620.290,754	24,544	24,080	61	52	83.750	8.865,685	113.617,799	12,815	12,351
12	3	98.937	63.606,760	1.554.276,153	24,436	23,971	62	53	82.494	8.417,076	104.752,114	12,445	11,981
13	4	98.908	61.289,192	1.490.669,394	24,322	23,857	63	54	81.126	7.978,295	96.335,038	12,075	11,610
14	5	98.882	59.058,632	1.429.380,202	24,203	23,738	64	55	79.676	7.552,435	88.356,743	11,699	11,235
15	6	98.851	56.906,041	1.370.321,570	24,080	23,616	65	56	78.121	7.137,442	80.804,308	11,321	10,857
16	7	98.818	54.831,205	1.313.415,529	23,954	23,489	66	57	76.445	6.731,846	73.666,867	10,943	10,479
17	8	98.772	52.824,511	1.258.584,324	23,826	23,361	67	58	74.648	6.335,966	66.935,021	10,564	10,100
18	9	98.712	50.884,500	1.205.759,814	23,696	23,232	68	59	72.697	5.947,365	60.599,055	10,189	9,725
19	10	98.631	49.004,933	1.154.875,314	23,567	23,102	69	60	70.617	5.568,433	54.651,691	9,815	9,350
20	11	98.543	47.191,659	1.105.870,381	23,434	22,969	70	61	68.420	5.200,169	49.083,258	9,439	8,974
21	12	98.459	45.447,093	1.058.678,722	23,295	22,830	71	62	66.095	4.841,871	43.883,089	9,063	8,599
22	13	98.374	43.766,363	1.013.231,629	23,151	22,686	72	63	63.611	4.491,457	39.041,218	8,692	8,228
23	14	98.290	42.148,557	969.465,266	23,001	22,537	73	64	60.954	4.148,299	34.549,761	8,329	7,864
24	15	98.206	40.590,273	927.316,709	22,846	22,381	74	65	58.161	3.815,181	30.401,461	7,969	7,504
25	16	98.117	39.087,782	886.726,436	22,686	22,221	75	66	55.237	3.492,403	26.586,280	7,613	7,148
26	17	98.024	37.639,440	847.638,654	22,520	22,056	76	67	52.206	3.181,458	23.093,877	7,259	6,794
27	18	97.933	36.245,057	809.999,213	22,348	21,883	77	68	49.098	2.883,877	19.912,419	6,905	6,440
28	19	97.834	34.899,971	773.754,157	22,171	21,706	78	69	45.879	2.597,441	17.028,542	6,556	6,091
29	20	97.735	33.604,483	738.854,186	21,987	21,522	79	70	42.545	2.321,583	14.431,101	6,216	5,752
30	21	97.636	32.356,858	705.249,703	21,796	21,332	80	71	39.147	2.058,969	12.109,519	5,881	5,417
31	22	97.541	31.156,924	672.892,844	21,597	21,132	81	72	35.650	1.807,277	10.050,549	5,561	5,097
32	23	97.437	29.998,931	641.735,920	21,392	20,928	82	73	32.133	1.570,104	8.243,273	5,250	4,786
33	24	97.332	28.883,406	611.736,989	21,180	20,715	83	74	28.524	1.343,367	6.673,169	4,967	4,503
34	25	97.220	27.807,450	582.853,583	20,960	20,496	84	75	25.034	1.136,408	5.329,802	4,690	4,226
35	26	97.104	26.770,174	555.046,132	20,734	20,269	85	76	21.696	949,288	4.193,394	4,417	3,953
36	27	96.975	25.768,359	528.275,958	20,501	20,037	86	77	18.620	785,242	3.244,106	4,131	3,667
37	28	96.837	24.801,706	502.507,599	20,261	19,797	87	78	15.628	635,241	2.458,864	3,871	3,406
38	29	96.691	23.869,290	477.705,894	20,013	19,549	88	79	12.789	501,048	1.823,623	3,640	3,175
39	30	96.530	22.968,118	453.836,603	19,759	19,295	89	80	10.223	386,058	1.322,575	3,426	2,961
40	31	96.349	22.096,587	430.868,485	19,499	19,035	90	81	7.977	290,333	936,517	3,226	2,761
41	32	96.149	21.253,642	408.771,898	19,233	18,769	91	82	6.071	212,974	646,184	3,034	2,570
42	33	95.932	20.439,251	387.518,257	18,960	18,495	92	83	4.471	151,169	433,210	2,866	2,401
43	34	95.683	19.649,179	367.079,005	18,682	18,217	93	84	3.196	104,165	282,040	2,708	2,243
44	35	95.401	18.883,226	347.429,827	18,399	17,934	94	85	2.211	69,465	177,875	2,561	2,096
45	36	95.096	18.142,578	328.546,600	18,109	17,645	95	86	1.482	44,884	108,410	2,415	1,951
46	37	94.750	17.423,156	310.404,023	17,816	17,351	96	87	954	27,832	63,526	2,282	1,818
47	38	94.371	16.726,139	292.980,867	17,516	17,052	97	88	586	16,481	35,694	2,166	1,701
48	39	93.951	16.049,921	276.254,728	17,212	16,748	98	89	345	9,341	19,214	2,057	1,592
49	40	93.493	15.394,319	260.204,807	16,903	16,438	99	90	193	5,043	9,873	1,958	1,493
							100	91	103	2,593	4,830	1,863	1,398

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 10 Jahre

Zinsfuß 3,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	40	93.073	14.771,300	245.860,409	16,644	16,180
1							51	41	92.531	14.154,522	231.089,108	16,326	15,862
2							52	42	91.961	13.558,816	216.934,586	16,000	15,535
3							53	43	91.319	12.977,480	203.375,771	15,671	15,207
4							54	44	90.627	12.413,657	190.398,291	15,338	14,873
5							55	45	89.886	11.867,186	177.984,634	14,998	14,534
6							56	46	89.072	11.334,626	166.117,448	14,656	14,191
7							57	47	88.216	10.819,917	154.782,822	14,305	13,841
8							58	48	87.282	10.318,492	143.962,905	13,952	13,488
9							59	49	86.267	9.829,870	133.644,413	13,596	13,131
10	0	99.393	68.782,287	1.690.433,247	24,577	24,112	60	50	85.155	9.352,422	123.814,543	13,239	12,774
11	1	99.007	66.038,251	1.621.650,961	24,556	24,092	61	51	83.984	8.890,376	114.462,122	12,875	12,410
12	2	98.957	63.619,338	1.555.612,709	24,452	23,987	62	52	82.744	8.442,600	105.571,746	12,505	12,040
13	3	98.924	61.299,714	1.491.993,371	24,339	23,875	63	53	81.383	8.003,566	97.129,146	12,136	11,671
14	4	98.895	59.066,261	1.430.693,657	24,222	23,757	64	54	79.954	7.578,796	89.125,580	11,760	11,295
15	5	98.864	56.913,481	1.371.627,397	24,100	23,636	65	55	78.418	7.164,573	81.546,784	11,382	10,918
16	6	98.827	54.836,258	1.314.713,916	23,975	23,511	66	56	76.753	6.758,981	74.382,211	11,005	10,541
17	7	98.780	52.829,112	1.259.877,659	23,848	23,384	67	57	74.982	6.364,371	67.623,230	10,625	10,161
18	8	98.722	50.889,384	1.207.048,547	23,719	23,255	68	58	73.049	5.976,143	61.258,860	10,251	9,786
19	9	98.637	49.008,100	1.156.159,162	23,591	23,127	69	59	70.978	5.596,887	55.282,717	9,877	9,413
20	10	98.552	47.195,628	1.107.151,063	23,459	22,994	70	60	68.799	5.228,950	49.685,830	9,502	9,038
21	11	98.468	45.451,355	1.059.955,435	23,321	22,856	71	61	66.469	4.869,272	44.456,880	9,130	8,666
22	12	98.382	43.770,080	1.014.504,079	23,178	22,714	72	62	64.014	4.519,901	39.587,608	8,759	8,294
23	13	98.299	42.152,641	970.733,999	23,029	22,565	73	63	61.371	4.176,709	35.067,707	8,396	7,932
24	14	98.217	40.595,003	928.581,358	22,874	22,410	74	64	58.590	3.843,287	30.890,999	8,038	7,573
25	15	98.134	39.094,767	887.986,355	22,714	22,249	75	65	55.692	3.521,161	27.047,712	7,681	7,217
26	16	98.045	37.647,413	848.891,587	22,548	22,084	76	66	52.683	3.210,535	23.526,551	7,328	6,863
27	17	97.954	36.253,033	811.244,174	22,377	21,913	77	67	49.602	2.913,492	20.316,016	6,973	6,509
28	18	97.863	34.910,011	774.991,141	22,200	21,735	78	68	46.410	2.627,493	17.402,524	6,623	6,159
29	19	97.763	33.613,801	740.081,130	22,017	21,553	79	69	43.094	2.351,584	14.775,030	6,283	5,819
30	20	97.667	32.367,082	706.467,330	21,827	21,362	80	70	39.711	2.088,656	12.423,446	5,948	5,484
31	21	97.565	31.164,549	674.100,248	21,630	21,166	81	71	36.238	1.837,060	10.334,789	5,626	5,161
32	22	97.464	30.007,056	642.935,699	21,426	20,962	82	72	32.723	1.598,931	8.497,730	5,315	4,850
33	23	97.357	28.890,944	612.928,643	21,215	20,751	83	73	29.117	1.371,304	6.898,799	5,031	4,566
34	24	97.247	27.815,007	584.037,699	20,997	20,533	84	74	25.617	1.162,877	5.527,495	4,753	4,289
35	25	97.127	26.776,763	556.222,692	20,773	20,308	85	75	22.274	974,556	4.364,618	4,479	4,014
36	26	97.002	25.775,575	529.445,929	20,541	20,076	86	76	19.175	808,651	3.390,062	4,192	3,728
37	27	96.865	24.808,936	503.670,354	20,302	19,838	87	77	16.154	656,602	2.581,411	3,931	3,467
38	28	96.720	23.876,377	478.861,418	20,056	19,591	88	78	13.281	520,332	1.924,809	3,699	3,235
39	29	96.558	22.974,843	454.985,041	19,804	19,339	89	79	10.672	403,011	1.404,476	3,485	3,021
40	30	96.381	22.103,824	432.010,198	19,545	19,080	90	80	8.385	305,201	1.001,466	3,281	2,817
41	31	96.184	21.261,236	409.906,374	19,280	18,815	91	81	6.429	225,547	696,265	3,087	2,623
42	32	95.967	20.446,522	388.645,137	19,008	18,543	92	82	4.780	161,614	470,718	2,913	2,448
43	33	95.721	19.657,033	368.198,616	18,731	18,267	93	83	3.443	112,206	309,104	2,755	2,290
44	34	95.446	18.892,083	348.541,583	18,449	17,985	94	84	2.405	75,535	196,899	2,607	2,142
45	35	95.145	18.151,870	329.649,499	18,161	17,696	95	85	1.623	49,152	121,364	2,469	2,005
46	36	94.804	17.433,014	311.497,629	17,868	17,404	96	86	1.061	30,952	72,212	2,333	1,869
47	37	94.428	16.736,402	294.064,615	17,570	17,106	97	87	664	18,683	41,260	2,208	1,744
48	38	94.017	16.061,156	277.328,213	17,267	16,803	98	88	397	10,756	22,577	2,099	1,635
49	39	93.568	15.406,648	261.267,057	16,958	16,494	99	89	227	5,920	11,821	1,997	1,532
							100	90	123	3,100	5,901	1,904	1,439

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 11 Jahre

Zinsfuß 3,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	39	93.148	14.783,131	246.822,935	16,696	16,232
1							51	40	92.612	14.166,847	232.039,805	16,379	15,915
2							52	41	92.052	13.572,232	217.872,958	16,053	15,588
3							53	42	91.422	12.992,092	204.300,726	15,725	15,261
4							54	43	90.745	12.429,791	191.308,635	15,391	14,927
5							55	44	90.012	11.883,728	178.878,843	15,052	14,588
6							56	45	89.213	11.352,632	166.995,115	14,710	14,245
7							57	46	88.374	10.839,384	155.642,484	14,359	13,895
8							58	47	87.452	10.338,597	144.803,100	14,006	13,542
9							59	48	86.451	9.850,753	134.464,503	13,650	13,186
10							60	49	85.360	9.374,985	124.613,750	13,292	12,828
11	0	99.384	66.289,950	1.623.152,011	24,486	24,021	61	50	84.196	8.912,895	115.238,766	12,929	12,465
12	1	98.992	63.642,131	1.556.862,061	24,463	23,998	62	51	82.975	8.466,112	106.325,870	12,559	12,095
13	2	98.944	61.311,836	1.493.219,930	24,355	23,890	63	52	81.630	8.027,836	97.859,758	12,190	11,726
14	3	98.912	59.076,401	1.431.908,093	24,238	23,774	64	53	80.207	7.602,802	89.831,922	11,816	11,351
15	4	98.876	56.920,832	1.372.831,693	24,118	23,654	65	54	78.692	7.189,580	82.229,120	11,437	10,973
16	5	98.840	54.843,427	1.315.910,860	23,994	23,530	66	55	77.045	6.784,674	75.039,540	11,060	10,596
17	6	98.790	52.833,980	1.261.067,434	23,868	23,404	67	56	75.285	6.390,025	68.254,867	10,681	10,217
18	7	98.730	50.893,817	1.208.233,453	23,740	23,276	68	57	73.376	6.002,935	61.864,842	10,306	9,841
19	8	98.647	49.012,805	1.157.339,637	23,613	23,149	69	58	71.322	5.623,970	55.861,907	9,933	9,468
20	9	98.558	47.198,678	1.108.326,832	23,482	23,018	70	59	69.151	5.255,669	50.237,937	9,559	9,094
21	10	98.477	45.455,178	1.061.128,154	23,344	22,880	71	60	66.837	4.896,222	44.982,268	9,187	8,723
22	11	98.391	43.774,185	1.015.672,976	23,203	22,738	72	61	64.376	4.545,480	40.086,047	8,819	8,354
23	12	98.308	42.156,221	971.898,791	23,055	22,590	73	62	61.760	4.203,159	35.540,567	8,456	7,991
24	13	98.227	40.598,937	929.742,570	22,901	22,436	74	63	58.991	3.869,607	31.337,408	8,098	7,634
25	14	98.146	39.099,324	889.143,633	22,741	22,276	75	64	56.102	3.547,100	27.467,801	7,744	7,279
26	15	98.063	37.654,141	850.044,309	22,575	22,111	76	65	53.117	3.236,972	23.920,701	7,390	6,925
27	16	97.975	36.260,712	812.390,169	22,404	21,940	77	66	50.055	2.940,120	20.683,728	7,035	6,571
28	17	97.884	34.917,693	776.129,456	22,227	21,763	78	67	46.887	2.654,476	17.743,608	6,684	6,220
29	18	97.791	33.623,471	741.211,763	22,044	21,580	79	68	43.593	2.378,792	15.089,132	6,343	5,879
30	19	97.694	32.376,057	707.588,292	21,855	21,391	80	69	40.225	2.115,648	12.710,340	6,008	5,543
31	20	97.595	31.174,396	675.212,236	21,659	21,195	81	70	36.760	1.863,547	10.594,692	5,685	5,221
32	21	97.488	30.014,399	644.037,840	21,458	20,993	82	71	33.262	1.625,280	8.731,145	5,372	4,908
33	22	97.384	28.898,768	614.023,441	21,247	20,783	83	72	29.652	1.396,481	7.105,865	5,088	4,624
34	23	97.272	27.822,266	585.124,673	21,031	20,566	84	73	26.150	1.187,060	5.709,383	4,810	4,345
35	24	97.154	26.784,040	557.302,407	20,807	20,343	85	74	22.793	997,255	4.522,323	4,535	4,070
36	25	97.026	25.781,919	530.518,367	20,577	20,113	86	75	19.686	830,176	3.525,068	4,246	3,782
37	26	96.892	24.815,883	504.736,448	20,339	19,875	87	76	16.635	676,176	2.694,892	3,985	3,521
38	27	96.748	23.883,338	479.920,565	20,094	19,630	88	77	13.728	537,829	2.018,716	3,753	3,289
39	28	96.587	22.981,664	456.037,227	19,844	19,379	89	78	11.083	418,522	1.480,887	3,538	3,074
40	29	96.409	22.110,296	433.055,563	19,586	19,122	90	79	8.753	318,603	1.062,365	3,334	2,870
41	30	96.215	21.268,200	410.945,267	19,322	18,858	91	80	6.758	237,097	743,761	3,137	2,673
42	31	96.001	20.453,828	389.677,067	19,052	18,587	92	81	5.062	171,154	506,664	2,960	2,496
43	32	95.755	19.664,025	369.223,239	18,777	18,312	93	82	3.681	119,958	335,510	2,797	2,332
44	33	95.484	18.899,635	349.559,214	18,496	18,031	94	83	2.590	81,365	215,552	2,649	2,185
45	34	95.190	18.160,384	330.659,578	18,208	17,743	95	84	1.765	53,447	134,187	2,511	2,046
46	35	94.852	17.441,943	312.499,194	17,917	17,452	96	85	1.161	33,895	80,740	2,382	1,918
47	36	94.482	16.745,871	295.057,251	17,620	17,155	97	86	739	20,777	46,845	2,255	1,790
48	37	94.075	16.071,011	278.311,380	17,318	16,853	98	87	450	12,193	26,067	2,138	1,673
49	38	93.633	15.417,433	262.240,368	17,009	16,545	99	88	261	6,817	13,874	2,035	1,571
							100	89	144	3,639	7,057	1,939	1,475

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 12 Jahre

Zinsfuß 3,75%

Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	38	93.213	14.793,479	247.704,633	16,744	16,280
1							51	39	92.686	14.178,193	232.911,154	16,427	15,963
2							52	40	92.132	13.584,049	218.732,961	16,102	15,638
3							53	41	91.512	13.004,947	205.148,911	15,775	15,310
4							54	42	90.847	12.443,787	192.143,964	15,441	14,977
5							55	43	90.129	11.899,173	179.700,178	15,102	14,637
6							56	44	89.338	11.368,456	167.801,004	14,760	14,296
7							57	45	88.515	10.856,603	156.432,548	14,409	13,945
8							58	46	87.610	10.357,198	145.575,945	14,056	13,591
9							59	47	86.619	9.869,946	135.218,747	13,700	13,236
10							60	48	85.542	9.394,901	125.348,801	13,342	12,878
11							61	49	84.399	8.934,398	115.953,900	12,978	12,514
12	0	99.370	63.884,697	1.558.252,051	24,392	23,927	62	50	83.185	8.487,557	107.019,502	12,609	12,145
13	1	98.980	61.333,802	1.494.367,353	24,364	23,900	63	51	81.857	8.050,193	98.531,945	12,240	11,775
14	2	98.931	59.088,083	1.433.033,551	24,252	23,788	64	52	80.450	7.625,857	90.481,751	11,865	11,401
15	3	98.893	56.930,604	1.373.945,468	24,134	23,669	65	53	78.941	7.212,353	82.855,895	11,488	11,024
16	4	98.853	54.850,511	1.317.014,864	24,011	23,547	66	54	77.314	6.808,355	75.643,541	11,110	10,646
17	5	98.802	52.840,888	1.262.164,353	23,886	23,422	67	55	75.571	6.414,315	68.835,187	10,731	10,267
18	6	98.740	50.898,507	1.209.323,465	23,760	23,295	68	56	73.672	6.027,132	62.420,872	10,357	9,892
19	7	98.656	49.017,073	1.158.424,958	23,633	23,169	69	57	71.642	5.649,182	56.393,740	9,983	9,518
20	8	98.567	47.203,209	1.109.407,885	23,503	23,038	70	58	69.485	5.281,101	50.744,557	9,609	9,144
21	9	98.483	45.458,115	1.062.204,676	23,367	22,902	71	59	67.178	4.921,240	45.463,457	9,238	8,774
22	10	98.400	43.777,867	1.016.746,560	23,225	22,761	72	60	64.732	4.570,638	40.542,216	8,870	8,406
23	11	98.317	42.160,175	972.968,694	23,078	22,613	73	61	62.110	4.226,945	35.971,579	8,510	8,046
24	12	98.235	40.602,385	930.808,519	22,925	22,461	74	62	59.365	3.894,112	31.744,633	8,152	7,688
25	13	98.155	39.103,112	890.206,134	22,766	22,301	75	63	56.487	3.571,392	27.850,521	7,798	7,334
26	14	98.074	37.658,529	851.103,021	22,601	22,136	76	64	53.508	3.260,818	24.279,129	7,446	6,981
27	15	97.992	36.267,192	813.444,493	22,429	21,965	77	65	50.467	2.964,331	21.018,310	7,090	6,626
28	16	97.905	34.925,090	777.177,300	22,253	21,788	78	66	47.315	2.678,736	18.053,980	6,740	6,275
29	17	97.812	33.630,870	742.252,211	22,071	21,606	79	67	44.041	2.403,221	15.375,244	6,398	5,933
30	18	97.722	32.385,370	708.621,341	21,881	21,416	80	68	40.690	2.140,126	12.972,023	6,061	5,597
31	19	97.622	31.183,040	676.235,970	21,686	21,222	81	69	37.235	1.887,630	10.831,897	5,738	5,274
32	20	97.518	30.023,882	645.052,931	21,485	21,020	82	70	33.742	1.648,714	8.944,267	5,425	4,961
33	21	97.408	28.905,841	615.029,048	21,277	20,813	83	71	30.140	1.419,495	7.295,552	5,140	4,675
34	22	97.298	27.829,801	586.123,207	21,061	20,597	84	72	26.630	1.208,855	5.876,058	4,861	4,396
35	23	97.179	26.791,030	558.293,407	20,839	20,374	85	73	23.267	1.017,994	4.667,203	4,585	4,120
36	24	97.052	25.788,926	531.502,377	20,610	20,145	86	74	20.144	849,512	3.649,209	4,296	3,831
37	25	96.916	24.821,991	505.713,452	20,374	19,909	87	75	17.078	694,175	2.799,697	4,033	3,569
38	26	96.775	23.890,026	480.891,461	20,129	19,665	88	76	14.137	553,863	2.105,523	3,802	3,337
39	27	96.615	22.988,364	457.001,435	19,880	19,415	89	77	11.456	432,596	1.551,660	3,587	3,122
40	28	96.438	22.116,861	434.013,071	19,624	19,159	90	78	9.090	330,866	1.119,064	3,382	2,918
41	29	96.243	21.274,427	411.896,210	19,361	18,897	91	79	7.055	247,509	788,198	3,185	2,720
42	30	96.032	20.460,527	390.621,783	19,091	18,627	92	80	5.321	179,919	540,690	3,005	2,541
43	31	95.789	19.671,052	370.161,256	18,818	18,353	93	81	3.898	127,039	360,771	2,840	2,375
44	32	95.518	18.906,358	350.490,204	18,538	18,074	94	82	2.769	86,987	233,731	2,687	2,223
45	33	95.228	18.167,644	331.583,846	18,251	17,787	95	83	1.901	57,572	146,744	2,549	2,084
46	34	94.897	17.450,124	313.416,202	17,961	17,496	96	84	1.263	36,857	89,172	2,419	1,955
47	35	94.530	16.754,449	295.966,078	17,665	17,201	97	85	809	22,753	52,315	2,299	1,835
48	36	94.128	16.080,104	279.211,629	17,364	16,899	98	86	500	13,560	29,562	2,180	1,716
49	37	93.691	15.426,893	263.131,526	17,057	16,592	99	87	296	7,728	16,002	2,071	1,606
							100	88	166	4,190	8,274	1,975	1,510

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 13 Jahre

Zinsfuß 3,75%

Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	37	93.270	14.802,556	248.511,747	16,788	16,324
1							51	38	92.751	14.188,118	233.709,191	16,472	16,008
2							52	39	92.206	13.594,929	219.521,073	16,147	15,683
3							53	40	91.592	13.016,271	205.926,144	15,821	15,356
4							54	41	90.937	12.456,099	192.909,873	15,487	15,023
5							55	42	90.230	11.912,571	180.453,774	15,148	14,684
6							56	43	89.454	11.383,232	168.541,203	14,806	14,342
7							57	44	88.638	10.871,736	157.157,970	14,456	13,991
8							58	45	87.749	10.373,651	146.286,234	14,102	13,637
9							59	46	86.775	9.887,705	135.912,584	13,746	13,281
10							60	47	85.709	9.413,206	126.024,879	13,388	12,924
11							61	48	84.579	8.953,378	116.611,673	13,024	12,560
12							62	49	83.386	8.508,034	107.658,294	12,654	12,189
13	0	99.357	61.567,570	1.495.654,926	24,293	23,828	63	50	82.065	8.070,585	99.150,261	12,285	11,821
14	1	98.967	59.109,253	1.434.087,356	24,262	23,797	64	51	80.674	7.647,094	91.079,676	11,910	11,446
15	2	98.913	56.941,862	1.374.978,103	24,147	23,683	65	52	79.181	7.234,224	83.432,582	11,533	11,069
16	3	98.870	54.859,928	1.318.036,241	24,025	23,561	66	53	77.559	6.829,920	76.198,358	11,157	10,692
17	4	98.815	52.847,713	1.263.176,313	23,902	23,438	67	54	75.834	6.436,703	69.368,437	10,777	10,313
18	5	98.752	50.905,161	1.210.328,600	23,776	23,312	68	55	73.952	6.050,043	62.931,734	10,402	9,937
19	6	98.665	49.021,591	1.159.423,439	23,651	23,187	69	56	71.930	5.671,954	56.881,691	10,029	9,564
20	7	98.576	47.207,320	1.110.401,848	23,522	23,057	70	57	69.797	5.304,776	51.209,737	9,654	9,189
21	8	98.493	45.462,479	1.063.194,528	23,386	22,922	71	58	67.504	4.945,054	45.904,961	9,283	8,819
22	9	98.406	43.780,696	1.017.732,049	23,246	22,782	72	59	65.063	4.593,993	40.959,907	8,916	8,452
23	10	98.325	42.163,721	973.951,353	23,099	22,635	73	60	62.453	4.250,340	36.365,915	8,556	8,092
24	11	98.244	40.606,193	931.787,632	22,947	22,483	74	61	59.701	3.916,150	32.115,574	8,201	7,736
25	12	98.164	39.106,433	891.181,439	22,789	22,324	75	62	56.844	3.594,009	28.199,425	7,846	7,382
26	13	98.084	37.662,178	852.075,006	22,624	22,160	76	63	53.875	3.283,150	24.605,415	7,494	7,030
27	14	98.004	36.271,419	814.412,828	22,453	21,989	77	64	50.839	2.986,168	21.322,266	7,140	6,676
28	15	97.922	34.931,331	778.141,409	22,276	21,812	78	65	47.705	2.700,795	18.336,098	6,789	6,325
29	16	97.833	33.637,994	743.210,078	22,094	21,630	79	66	44.443	2.425,185	15.635,303	6,447	5,983
30	17	97.743	32.392,497	709.572,084	21,905	21,441	80	67	41.108	2.162,104	13.210,119	6,110	5,645
31	18	97.651	31.192,010	677.179,587	21,710	21,246	81	68	37.666	1.909,470	11.048,015	5,786	5,321
32	19	97.545	30.032,208	645.987,577	21,510	21,045	82	69	34.178	1.670,021	9.138,545	5,472	5,008
33	20	97.438	28.914,974	615.955,369	21,302	20,838	83	70	30.575	1.439,962	7.468,524	5,187	4,722
34	21	97.322	27.836,611	587.040,396	21,089	20,624	84	71	27.069	1.228,776	6.028,563	4,906	4,442
35	22	97.205	26.798,285	559.203,784	20,867	20,403	85	72	23.694	1.036,685	4.799,787	4,630	4,166
36	23	97.077	25.795,656	532.405,499	20,639	20,175	86	73	20.563	867,178	3.763,102	4,339	3,875
37	24	96.943	24.828,736	506.609,843	20,404	19,940	87	74	17.476	710,343	2.895,924	4,077	3,612
38	25	96.799	23.895,906	481.781,107	20,162	19,697	88	75	14.513	568,605	2.185,581	3,844	3,379
39	26	96.642	22.994,801	457.885,201	19,913	19,448	89	76	11.797	445,492	1.616,976	3,630	3,165
40	27	96.466	22.123,308	434.890,400	19,658	19,193	90	77	9.396	341,992	1.171,484	3,425	2,961
41	28	96.272	21.280,744	412.767,091	19,396	18,932	91	78	7.327	257,035	829,492	3,227	2,763
42	29	96.060	20.466,518	391.486,348	19,128	18,664	92	79	5.555	187,820	572,457	3,048	2,583
43	30	95.820	19.677,495	371.019,830	18,855	18,391	93	80	4.098	133,545	384,637	2,880	2,416
44	31	95.552	18.913,114	351.342,335	18,577	18,112	94	81	2.933	92,122	251,092	2,726	2,261
45	32	95.262	18.174,106	332.429,221	18,291	17,827	95	82	2.033	61,550	158,970	2,583	2,118
46	33	94.935	17.457,100	314.255,115	18,002	17,537	96	83	1.360	39,702	97,420	2,454	1,989
47	34	94.575	16.762,307	296.798,016	17,706	17,242	97	84	880	24,741	57,718	2,333	1,868
48	35	94.176	16.088,340	280.035,709	17,406	16,942	98	85	548	14,850	32,977	2,221	1,756
49	36	93.744	15.435,621	263.947,368	17,100	16,635	99	86	329	8,594	18,127	2,109	1,645
							100	87	189	4,750	9,533	2,007	1,543

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 14 Jahre

Zinsfuß 3,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	36	93.323	14.810,931	249.250,562	16,829	16,364
1							51	37	92.808	14.196,824	234.439,631	16,514	16,049
2							52	38	92.270	13.604,445	220.242,807	16,189	15,725
3							53	39	91.665	13.026,696	206.638,362	15,863	15,398
4							54	40	91.016	12.466,945	193.611,666	15,530	15,066
5							55	41	90.319	11.924,358	181.144,721	15,191	14,727
6							56	42	89.555	11.396,049	169.220,362	14,849	14,385
7							57	43	88.753	10.885,866	157.824,313	14,498	14,034
8							58	44	87.871	10.388,111	146.938,447	14,145	13,680
9							59	45	86.913	9.903,411	136.550,336	13,788	13,324
10							60	46	85.863	9.430,143	126.646,925	13,430	12,966
11							61	47	84.744	8.970,823	117.216,782	13,066	12,602
12							62	48	83.563	8.526,108	108.245,959	12,696	12,231
13							63	49	82.263	8.090,055	99.719,850	12,326	11,862
14	0	99.344	59.334,542	1.435.280,526	24,190	23,725	64	50	80.879	7.666,465	91.629,795	11,952	11,488
15	1	98.948	56.962,263	1.375.945,984	24,155	23,691	65	51	79.401	7.254,371	83.963,330	11,574	11,110
16	2	98.890	54.870,776	1.318.983,721	24,038	23,574	66	52	77.794	6.850,631	76.708,959	11,197	10,733
17	3	98.832	52.856,786	1.264.112,945	23,916	23,451	67	53	76.075	6.457,092	69.858,328	10,819	10,354
18	4	98.765	50.911,737	1.211.256,159	23,791	23,327	68	54	74.210	6.071,160	63.401,236	10,443	9,979
19	5	98.678	49.028,000	1.160.344,422	23,667	23,203	69	55	72.204	5.693,514	57.330,076	10,069	9,605
20	6	98.585	47.211,671	1.111.316,422	23,539	23,075	70	56	70.078	5.326,159	51.636,562	9,695	9,230
21	7	98.501	45.466,439	1.064.104,752	23,404	22,940	71	57	67.806	4.967,223	46.310,403	9,323	8,859
22	8	98.415	43.784,899	1.018.638,313	23,265	22,800	72	58	65.378	4.616,223	41.343,180	8,956	8,492
23	9	98.332	42.166,445	974.853,414	23,119	22,655	73	59	62.772	4.272,058	36.726,957	8,597	8,133
24	10	98.252	40.609,608	932.686,969	22,967	22,503	74	60	60.031	3.937,825	32.454,899	8,242	7,777
25	11	98.173	39.110,101	892.077,361	22,809	22,345	75	61	57.166	3.614,348	28.517,074	7,890	7,426
26	12	98.092	37.665,377	852.967,260	22,646	22,182	76	62	54.216	3.303,941	24.902,726	7,537	7,073
27	13	98.013	36.274,933	815.301,883	22,476	22,011	77	63	51.187	3.006,618	21.598,785	7,184	6,719
28	14	97.934	34.935,402	779.026,950	22,299	21,835	78	64	48.056	2.720,691	18.592,166	6,834	6,369
29	15	97.850	33.644,005	744.091,548	22,117	21,652	79	65	44.809	2.445,155	15.871,476	6,491	6,027
30	16	97.764	32.399,359	710.447,543	21,928	21,463	80	66	41.484	2.181,864	13.426,320	6,154	5,689
31	17	97.672	31.198,875	678.048,184	21,733	21,269	81	67	38.053	1.929,079	11.244,456	5,829	5,365
32	18	97.573	30.040,847	646.849,310	21,532	21,068	82	68	34.573	1.689,343	9.315,378	5,514	5,050
33	19	97.465	28.922,991	616.808,463	21,326	20,861	83	69	30.970	1.458,570	7.626,035	5,228	4,764
34	20	97.353	27.845,407	587.885,471	21,112	20,648	84	70	27.459	1.246,493	6.167,465	4,948	4,483
35	21	97.229	26.804,843	560.040,065	20,893	20,429	85	71	24.084	1.053,769	4.920,972	4,670	4,205
36	22	97.104	25.802,642	533.235,221	20,666	20,201	86	72	20.940	883,100	3.867,203	4,379	3,915
37	23	96.968	24.835,216	507.432,580	20,432	19,968	87	73	17.839	725,115	2.984,103	4,115	3,651
38	24	96.825	23.902,400	482.597,364	20,190	19,726	88	74	14.851	581,849	2.258,988	3,882	3,418
39	25	96.666	23.000,461	458.694,964	19,943	19,478	89	75	12.111	457,350	1.677,139	3,667	3,203
40	26	96.493	22.129,504	435.694,503	19,688	19,224	90	76	9.676	352,187	1.219,789	3,463	2,999
41	27	96.300	21.286,947	413.564,999	19,428	18,964	91	77	7.573	265,678	867,602	3,266	2,801
42	28	96.089	20.472,595	392.278,052	19,161	18,697	92	78	5.768	195,049	601,924	3,086	2,622
43	29	95.849	19.683,256	371.805,457	18,889	18,425	93	79	4.277	139,409	406,875	2,919	2,454
44	30	95.583	18.919,308	352.122,201	18,612	18,147	94	80	3.083	96,839	267,465	2,762	2,298
45	31	95.296	18.180,600	333.202,893	18,327	17,863	95	81	2.153	65,184	170,626	2,618	2,153
46	32	94.968	17.463,309	315.022,293	18,039	17,575	96	82	1.454	42,445	105,442	2,484	2,020
47	33	94.612	16.769,008	297.558,984	17,745	17,280	97	83	947	26,651	62,997	2,364	1,899
48	34	94.220	16.095,886	280.789,976	17,445	16,980	98	84	596	16,147	36,346	2,251	1,787
49	35	93.792	15.443,528	264.694,090	17,139	16,675	99	85	360	9,411	20,199	2,146	1,682
							100	86	210	5,283	10,788	2,042	1,578

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 15 Jahre

Zinsfuß 3,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	35	93.371	14.818,518	249.926,740	16,866	16,401
1							51	36	92.860	14.204,856	235.108,223	16,551	16,087
2							52	37	92.327	13.612,793	220.903,367	16,228	15,763
3							53	38	91.729	13.035,814	207.290,574	15,902	15,437
4							54	39	91.089	12.476,930	194.254,759	15,569	15,105
5							55	40	90.398	11.934,741	181.777,829	15,231	14,767
6							56	41	89.643	11.407,325	169.843,088	14,889	14,425
7							57	42	88.853	10.898,123	158.435,763	14,538	14,073
8							58	43	87.985	10.401,613	147.537,640	14,184	13,720
9							59	44	87.034	9.917,216	137.136,027	13,828	13,364
10							60	45	85.999	9.445,123	127.218,811	13,469	13,005
11							61	46	84.896	8.986,964	117.773,688	13,105	12,641
12							62	47	83.726	8.542,721	108.786,724	12,734	12,270
13							63	48	82.437	8.107,242	100.244,003	12,365	11,900
14							64	49	81.074	7.684,960	92.136,761	11,989	11,525
15	0	99.326	57.179,369	1.377.052,156	24,083	23,619	65	50	79.602	7.272,746	84.451,801	11,612	11,148
16	1	98.925	54.890,435	1.319.872,787	24,046	23,581	66	51	78.011	6.869,710	77.179,055	11,235	10,770
17	2	98.852	52.867,239	1.264.982,352	23,928	23,463	67	52	76.305	6.476,672	70.309,344	10,856	10,391
18	3	98.782	50.920,477	1.212.115,113	23,804	23,340	68	53	74.445	6.090,391	63.832,672	10,481	10,016
19	4	98.690	49.034,333	1.161.194,636	23,681	23,217	69	54	72.456	5.713,387	57.742,282	10,106	9,642
20	5	98.598	47.217,843	1.112.160,303	23,554	23,089	70	55	70.344	5.346,405	52.028,895	9,732	9,267
21	6	98.510	45.470,629	1.064.942,460	23,420	22,956	71	56	68.079	4.987,246	46.682,490	9,360	8,896
22	7	98.424	43.788,712	1.019.471,832	23,282	22,817	72	57	65.671	4.636,918	41.695,244	8,992	8,528
23	8	98.341	42.170,493	975.683,119	23,137	22,672	73	58	63.076	4.292,731	37.058,327	8,633	8,168
24	9	98.259	40.612,232	933.512,626	22,986	22,522	74	59	60.338	3.957,946	32.765,596	8,278	7,814
25	10	98.181	39.113,390	892.900,394	22,829	22,364	75	60	57.482	3.634,353	28.807,650	7,926	7,462
26	11	98.101	37.668,909	853.787,004	22,666	22,201	76	61	54.523	3.322,639	25.173,297	7,576	7,112
27	12	98.022	36.278,014	816.118,094	22,496	22,032	77	62	51.511	3.025,659	21.850,659	7,222	6,757
28	13	97.943	34.938,787	779.840,080	22,320	21,856	78	63	48.386	2.739,323	18.825,000	6,872	6,408
29	14	97.862	33.647,926	744.901,293	22,138	21,674	79	64	45.139	2.463,168	16.085,677	6,530	6,066
30	15	97.782	32.405,148	711.253,367	21,949	21,484	80	65	41.825	2.199,831	13.622,509	6,193	5,728
31	16	97.693	31.205,483	678.848,219	21,754	21,290	81	66	38.401	1.946,709	11.422,678	5,868	5,403
32	17	97.595	30.047,458	647.642,735	21,554	21,090	82	67	34.928	1.706,691	9.475,969	5,552	5,088
33	18	97.493	28.931,312	617.595,277	21,347	20,883	83	68	31.328	1.475,446	7.769,278	5,266	4,801
34	19	97.380	27.853,128	588.663,966	21,135	20,670	84	69	27.814	1.262,601	6.293,832	4,985	4,520
35	20	97.260	26.813,313	560.810,838	20,915	20,451	85	70	24.432	1.068,962	5.031,231	4,707	4,242
36	21	97.128	25.808,956	533.997,525	20,690	20,226	86	71	21.286	897,653	3.962,268	4,414	3,950
37	22	96.994	24.841,942	508.188,569	20,457	19,992	87	72	18.167	738,429	3.064,615	4,150	3,686
38	23	96.851	23.908,638	483.346,627	20,216	19,752	88	73	15.160	593,949	2.326,187	3,916	3,452
39	24	96.692	23.006,711	459.437,990	19,970	19,505	89	74	12.393	468,002	1.732,237	3,701	3,237
40	25	96.517	22.134,950	436.431,278	19,717	19,252	90	75	9.934	361,561	1.264,235	3,497	3,032
41	26	96.327	21.292,908	414.296,328	19,457	18,993	91	76	7.799	273,598	902,674	3,299	2,835
42	27	96.117	20.478,563	393.003,419	19,191	18,727	92	77	5.962	201,608	629,075	3,120	2,656
43	28	95.877	19.689,100	372.524,857	18,920	18,456	93	78	4.442	144,775	427,468	2,953	2,488
44	29	95.611	18.924,848	352.835,757	18,644	18,180	94	79	3.218	101,092	282,693	2,796	2,332
45	30	95.327	18.186,555	333.910,909	18,360	17,896	95	80	2.263	68,522	181,600	2,650	2,186
46	31	95.002	17.469,549	315.724,354	18,073	17,608	96	81	1.540	44,951	113,079	2,516	2,051
47	32	94.646	16.774,973	298.254,805	17,780	17,315	97	82	1.013	28,492	68,128	2,391	1,927
48	33	94.258	16.102,320	281.479,832	17,481	17,016	98	83	642	17,394	39,636	2,279	1,814
49	34	93.836	15.450,771	265.377,512	17,176	16,711	99	84	392	10,233	22,242	2,173	1,709
							100	85	230	5,785	12,009	2,076	1,611

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 16 Jahre

Zinsfuß 3,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	34	93.414	14.825,468	250.545,586	16,900	16,435
1							51	35	92.908	14.212,132	235.720,118	16,586	16,121
2							52	36	92.379	13.620,495	221.507,986	16,263	15,798
3							53	37	91.786	13.043,813	207.887,492	15,938	15,473
4							54	38	91.153	12.485,664	194.843,679	15,605	15,141
5							55	39	90.470	11.944,300	182.358,015	15,267	14,803
6							56	40	89.721	11.417,258	170.413,715	14,926	14,462
7							57	41	88.941	10.908,906	158.996,457	14,575	14,110
8							58	42	88.085	10.413,324	148.087,551	14,221	13,757
9							59	43	87.147	9.930,106	137.674,227	13,864	13,400
10							60	44	86.119	9.458,289	127.744,121	13,506	13,042
11							61	45	85.031	9.001,240	118.285,832	13,141	12,677
12							62	46	83.876	8.558,091	109.284,592	12,770	12,305
13							63	47	82.598	8.123,038	100.726,501	12,400	11,936
14							64	48	81.246	7.701,287	92.603,462	12,024	11,560
15							65	49	79.794	7.290,292	84.902,176	11,646	11,181
16	0	99.302	55.099,645	1.320.898,787	23,973	23,508	66	50	78.208	6.887,111	77.611,884	11,269	10,805
17	1	98.887	52.886,179	1.265.799,143	23,934	23,470	67	51	76.518	6.494,709	70.724,772	10,890	10,425
18	2	98.802	50.930,547	1.212.912,963	23,815	23,351	68	52	74.671	6.108,859	64.230,063	10,514	10,050
19	3	98.707	49.042,751	1.161.982,417	23,693	23,229	69	53	72.685	5.731,484	58.121,204	10,141	9,676
20	4	98.611	47.223,942	1.112.939,666	23,567	23,103	70	54	70.590	5.365,066	52.389,720	9,765	9,301
21	5	98.523	45.476,574	1.065.715,724	23,434	22,970	71	55	68.338	5.006,203	47.024,653	9,393	8,929
22	6	98.433	43.792,748	1.020.239,150	23,297	22,833	72	56	65.936	4.655,608	42.018,450	9,025	8,561
23	7	98.350	42.174,166	976.446,402	23,153	22,688	73	57	63.359	4.311,975	37.362,842	8,665	8,200
24	8	98.268	40.616,131	934.272,236	23,002	22,538	74	58	60.630	3.977,098	33.050,866	8,310	7,846
25	9	98.187	39.115,918	893.656,105	22,846	22,382	75	59	57.776	3.652,923	29.073,768	7,959	7,495
26	10	98.109	37.672,077	854.540,187	22,684	22,219	76	60	54.825	3.341,028	25.420,845	7,609	7,144
27	11	98.031	36.281,417	816.868,110	22,515	22,050	77	61	51.803	3.042,781	22.079,816	7,256	6,792
28	12	97.952	34.941,754	780.586,693	22,340	21,875	78	62	48.692	2.756,670	19.037,035	6,906	6,441
29	13	97.871	33.651,186	745.644,939	22,158	21,694	79	63	45.448	2.480,037	16.280,364	6,565	6,100
30	14	97.793	32.408,925	711.993,753	21,969	21,505	80	64	42.133	2.216,036	13.800,328	6,227	5,763
31	15	97.710	31.211,060	679.584,828	21,774	21,309	81	65	38.717	1.962,740	11.584,291	5,902	5,438
32	16	97.616	30.053,823	648.373,768	21,574	21,109	82	66	35.248	1.722,289	9.621,552	5,586	5,122
33	17	97.515	28.937,679	618.319,945	21,367	20,903	83	67	31.650	1.490,598	7.899,262	5,299	4,835
34	18	97.408	27.861,140	589.382,267	21,154	20,690	84	68	28.136	1.277,210	6.408,665	5,018	4,553
35	19	97.287	26.820,747	561.521,126	20,936	20,472	85	69	24.747	1.082,777	5.131,455	4,739	4,275
36	20	97.158	25.817,111	534.700,379	20,711	20,247	86	70	21.592	910,596	4.048,678	4,446	3,982
37	21	97.018	24.848,021	508.883,268	20,480	20,015	87	71	18.466	750,598	3.138,083	4,181	3,716
38	22	96.877	23.915,112	484.035,247	20,240	19,775	88	72	15.438	604,854	2.387,485	3,947	3,483
39	23	96.717	23.012,716	460.120,134	19,994	19,530	89	73	12.651	477,735	1.782,631	3,731	3,267
40	24	96.543	22.140,966	437.107,419	19,742	19,278	90	74	10.165	369,983	1.304,896	3,527	3,062
41	25	96.351	21.298,149	414.966,453	19,484	19,019	91	75	8.006	280,881	934,913	3,329	2,864
42	26	96.144	20.484,297	393.668,304	19,218	18,754	92	76	6.140	207,618	654,032	3,150	2,686
43	27	95.905	19.694,840	373.184,006	18,948	18,484	93	77	4.591	149,643	446,414	2,983	2,519
44	28	95.640	18.930,467	353.489,167	18,673	18,209	94	78	3.342	104,983	296,771	2,827	2,362
45	29	95.355	18.191,880	334.558,700	18,391	17,926	95	79	2.362	71,531	191,788	2,681	2,217
46	30	95.034	17.475,271	316.366,820	18,104	17,639	96	80	1.619	47,253	120,257	2,545	2,081
47	31	94.680	16.780,967	298.891,549	17,811	17,347	97	81	1.073	30,174	73,005	2,419	1,955
48	32	94.291	16.108,048	282.110,582	17,514	17,049	98	82	686	18,595	42,830	2,303	1,839
49	33	93.873	15.456,948	266.002,534	17,209	16,745	99	83	422	11,023	24,235	2,199	1,734
							100	84	250	6,290	13,212	2,100	1,636

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 17 Jahre

Zinsfuß 3,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	33	93.452	14.831,394	251.111,531	16,931	16,467
1							51	34	92.951	14.218,798	236.280,137	16,617	16,153
2							52	35	92.427	13.627,472	222.061,339	16,295	15,831
3							53	36	91.837	13.051,193	208.433,867	15,970	15,506
4							54	37	91.209	12.493,325	195.382,674	15,639	15,175
5							55	38	90.534	11.952,661	182.889,349	15,301	14,837
6							56	39	89.793	11.426,402	170.936,688	14,960	14,495
7							57	40	89.019	10.918,405	159.510,287	14,609	14,145
8							58	41	88.172	10.423,628	148.591,881	14,255	13,791
9							59	42	87.245	9.941,286	138.168,254	13,898	13,434
10							60	43	86.231	9.470,582	128.226,967	13,540	13,075
11							61	44	85.149	9.013,787	118.756,385	13,175	12,711
12							62	45	84.010	8.571,686	109.742,598	12,803	12,338
13							63	46	82.747	8.137,653	101.170,912	12,432	11,968
14							64	47	81.404	7.716,292	93.033,259	12,057	11,592
15							65	48	79.964	7.305,780	85.316,967	11,678	11,214
16							66	49	78.397	6.903,727	78.011,187	11,300	10,835
17	0	99.264	53.087,750	1.266.751,240	23,861	23,397	67	50	76.712	6.511,161	71.107,460	10,921	10,456
18	1	98.837	50.948,794	1.213.663,490	23,821	23,357	68	51	74.879	6.125,872	64.596,299	10,545	10,080
19	2	98.727	49.052,449	1.162.714,696	23,703	23,239	69	52	72.906	5.748,864	58.470,427	10,171	9,706
20	3	98.628	47.232,049	1.113.662,247	23,579	23,114	70	53	70.813	5.382,061	52.721,563	9,796	9,331
21	4	98.536	45.482,448	1.066.430,198	23,447	22,983	71	54	68.577	5.023,677	47.339,503	9,423	8,959
22	5	98.446	43.798,473	1.020.947,750	23,310	22,846	72	55	66.186	4.673,306	42.315,826	9,055	8,590
23	6	98.359	42.178,053	977.149,277	23,167	22,703	73	56	63.614	4.329,356	37.642,520	8,695	8,230
24	7	98.277	40.619,669	934.971,224	23,018	22,553	74	57	60.902	3.994,928	33.313,164	8,339	7,874
25	8	98.197	39.119,673	894.351,555	22,862	22,398	75	58	58.056	3.670,600	29.318,236	7,987	7,523
26	9	98.116	37.674,512	855.231,882	22,701	22,236	76	59	55.105	3.358,100	25.647,636	7,638	7,173
27	10	98.039	36.284,468	817.557,371	22,532	22,067	77	60	52.090	3.059,622	22.289,536	7,285	6,821
28	11	97.961	34.945,032	781.272,903	22,357	21,893	78	61	48.967	2.772,271	19.229,914	6,937	6,472
29	12	97.880	33.654,044	746.327,871	22,176	21,712	79	62	45.736	2.495,742	16.457,643	6,594	6,130
30	13	97.802	32.412,065	712.673,827	21,988	21,523	80	63	42.422	2.231,213	13.961,900	6,258	5,793
31	14	97.722	31.214,697	680.261,761	21,793	21,329	81	64	39.002	1.977,198	11.730,688	5,933	5,469
32	15	97.633	30.059,193	649.047,064	21,592	21,128	82	65	35.538	1.736,472	9.753,489	5,617	5,152
33	16	97.536	28.943,808	618.987,871	21,386	20,921	83	66	31.939	1.504,221	8.017,017	5,330	4,865
34	17	97.429	27.867,272	590.044,063	21,173	20,709	84	67	28.425	1.290,326	6.512,797	5,047	4,583
35	18	97.315	26.828,463	562.176,791	20,954	20,490	85	68	25.034	1.095,304	5.222,471	4,768	4,304
36	19	97.185	25.824,270	535.348,328	20,730	20,266	86	69	21.872	922,363	4.127,167	4,475	4,010
37	20	97.049	24.855,872	509.524,059	20,499	20,035	87	70	18.732	761,420	3.204,803	4,209	3,745
38	21	96.901	23.920,965	484.668,186	20,261	19,797	88	71	15.693	614,822	2.443,383	3,974	3,510
39	22	96.743	23.018,948	460.747,221	20,016	19,552	89	72	12.883	486,506	1.828,561	3,759	3,294
40	23	96.568	22.146,744	437.728,273	19,765	19,300	90	73	10.376	377,677	1.342,055	3,553	3,089
41	24	96.377	21.303,937	415.581,530	19,507	19,043	91	74	8.193	287,423	964,378	3,355	2,891
42	25	96.168	20.489,339	394.277,593	19,243	18,779	92	75	6.303	213,144	676,955	3,176	2,712
43	26	95.932	19.700,355	373.788,253	18,974	18,509	93	76	4.728	154,104	463,811	3,010	2,545
44	27	95.668	18.935,985	354.087,898	18,699	18,235	94	77	3.454	108,513	309,706	2,854	2,390
45	28	95.383	18.197,281	335.151,913	18,418	17,953	95	78	2.453	74,284	201,193	2,708	2,244
46	29	95.061	17.480,388	316.954,632	18,132	17,668	96	79	1.690	49,328	126,910	2,573	2,108
47	30	94.711	16.786,463	299.474,244	17,840	17,376	97	80	1.128	31,720	77,582	2,446	1,981
48	31	94.325	16.113,804	282.687,781	17,543	17,079	98	81	726	19,693	45,862	2,329	1,864
49	32	93.906	15.462,446	266.573,977	17,240	16,776	99	82	451	11,785	26,169	2,221	1,756
							100	83	269	6,776	14,384	2,123	1,658

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 18 Jahre

Zinsfuß 3,75%

Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	32	93.485	14.836,670	251.628,939	16,960	16,496
1							51	33	92.989	14.224,482	236.792,270	16,647	16,182
2							52	34	92.470	13.633,863	222.567,788	16,325	15,860
3							53	35	91.884	13.057,878	208.933,924	16,001	15,536
4							54	36	91.260	12.500,394	195.876,046	15,670	15,205
5							55	37	90.589	11.959,995	183.375,653	15,332	14,868
6							56	38	89.856	11.434,400	171.415,658	14,991	14,527
7							57	39	89.090	10.927,150	159.981,257	14,641	14,176
8							58	40	88.248	10.432,704	149.054,108	14,287	13,823
9							59	41	87.331	9.951,123	138.621,404	13,930	13,466
10							60	42	86.328	9.481,245	128.670,281	13,571	13,107
11							61	43	85.260	9.025,502	119.189,036	13,206	12,741
12							62	44	84.127	8.583,634	110.163,533	12,834	12,370
13							63	45	82.878	8.150,580	101.579,899	12,463	11,998
14							64	46	81.551	7.730,175	93.429,318	12,086	11,622
15							65	47	80.120	7.320,015	85.699,143	11,708	11,243
16							66	48	78.563	6.918,393	78.379,128	11,329	10,865
17							67	49	76.897	6.526,869	71.460,735	10,949	10,484
18	0	99.214	51.142,980	1.214.547,448	23,748	23,284	68	50	75.069	6.141,389	64.933,866	10,573	10,109
19	1	98.762	49.070,023	1.163.404,468	23,709	23,245	69	51	73.109	5.764,875	58.792,477	10,198	9,734
20	2	98.647	47.241,390	1.114.334,445	23,588	23,124	70	52	71.028	5.398,381	53.027,602	9,823	9,358
21	3	98.553	45.490,256	1.067.093,055	23,458	22,993	71	53	68.794	5.039,590	47.629,221	9,451	8,987
22	4	98.459	43.804,131	1.021.602,799	23,322	22,858	72	54	66.417	4.689,617	42.589,632	9,082	8,617
23	5	98.372	42.183,567	977.798,669	23,180	22,715	73	55	63.856	4.345,813	37.900,015	8,721	8,257
24	6	98.286	40.623,412	935.615,102	23,031	22,567	74	56	61.147	4.011,031	33.554,201	8,365	7,901
25	7	98.205	39.123,080	894.991,690	22,876	22,412	75	57	58.316	3.687,055	29.543,170	8,013	7,548
26	8	98.125	37.678,129	855.868,609	22,715	22,251	76	58	55.371	3.374,350	25.856,115	7,663	7,198
27	9	98.046	36.286,813	818.190,481	22,548	22,083	77	59	52.356	3.075,256	22.481,765	7,311	6,846
28	10	97.969	34.947,970	781.903,668	22,373	21,909	78	60	49.239	2.787,615	19.406,508	6,962	6,497
29	11	97.889	33.657,201	746.955,698	22,193	21,729	79	61	45.995	2.509,866	16.618,894	6,621	6,157
30	12	97.811	32.414,818	713.298,497	22,005	21,541	80	62	42.690	2.245,342	14.109,028	6,284	5,819
31	13	97.731	31.217,722	680.883,679	21,811	21,346	81	63	39.269	1.990,739	11.863,685	5,959	5,495
32	14	97.644	30.062,696	649.665,957	21,610	21,146	82	64	35.800	1.749,264	9.872,946	5,644	5,180
33	15	97.553	28.948,980	619.603,261	21,403	20,939	83	65	32.202	1.516,607	8.123,682	5,356	4,892
34	16	97.450	27.873,174	590.654,280	21,191	20,726	84	66	28.685	1.302,118	6.607,075	5,074	4,610
35	17	97.336	26.834,367	562.781,106	20,972	20,508	85	67	25.291	1.106,552	5.304,956	4,794	4,330
36	18	97.213	25.831,698	535.946,739	20,748	20,283	86	68	22.125	933,035	4.198,404	4,500	4,035
37	19	97.075	24.862,764	510.115,040	20,517	20,053	87	69	18.974	771,260	3.265,369	4,234	3,769
38	20	96.931	23.928,523	485.252,276	20,279	19,815	88	70	15.919	623,687	2.494,109	3,999	3,535
39	21	96.767	23.024,581	461.323,753	20,036	19,572	89	71	13.096	494,524	1.870,422	3,782	3,318
40	22	96.594	22.152,741	438.299,171	19,785	19,321	90	72	10.567	384,611	1.375,899	3,577	3,113
41	23	96.402	21.309,497	416.146,430	19,529	19,064	91	73	8.363	293,400	991,288	3,379	2,914
42	24	96.194	20.494,907	394.836,933	19,265	18,801	92	74	6.450	218,109	697,887	3,200	2,735
43	25	95.955	19.705,204	374.342,026	18,997	18,533	93	75	4.854	158,206	479,778	3,033	2,568
44	26	95.694	18.941,288	354.636,822	18,723	18,259	94	76	3.557	111,748	321,572	2,878	2,413
45	27	95.411	18.202,586	335.695,534	18,442	17,978	95	77	2.536	76,782	209,824	2,733	2,268
46	28	95.090	17.485,578	317.492,948	18,157	17,693	96	78	1.755	51,226	133,043	2,597	2,133
47	29	94.739	16.791,378	300.007,370	17,867	17,402	97	79	1.177	33,112	81,816	2,471	2,006
48	30	94.356	16.119,082	283.215,992	17,570	17,106	98	80	764	20,702	48,704	2,353	1,888
49	31	93.940	15.467,971	267.096,910	17,268	16,803	99	81	478	12,481	28,002	2,244	1,779
							100	82	288	7,244	15,522	2,143	1,678

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 19 Jahre

Zinsfuß 3,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	31	93.518	14.841,972	252.102,426	16,986	16,521
1							51	32	93.022	14.229,541	237.260,455	16,674	16,209
2							52	33	92.507	13.639,313	223.030,913	16,352	15,888
3							53	34	91.928	13.064,003	209.391,600	16,028	15,564
4							54	35	91.307	12.506,797	196.327,597	15,698	15,233
5							55	36	90.641	11.966,762	183.820,801	15,361	14,897
6							56	37	89.911	11.441,416	171.854,039	15,020	14,556
7							57	38	89.152	10.934,799	160.412,623	14,670	14,205
8							58	39	88.319	10.441,060	149.477,824	14,316	13,852
9							59	40	87.407	9.959,788	139.036,764	13,960	13,495
10							60	41	86.413	9.490,627	129.076,976	13,600	13,136
11							61	42	85.356	9.035,665	119.586,350	13,235	12,771
12							62	43	84.236	8.594,791	110.550,685	12,863	12,398
13							63	44	82.994	8.161,942	101.955,895	12,492	12,027
14							64	45	81.680	7.742,455	93.793,953	12,114	11,650
15							65	46	80.264	7.333,185	86.051,498	11,735	11,270
16							66	47	78.716	6.931,873	78.718,313	11,356	10,892
17							67	48	77.060	6.540,735	71.786,440	10,975	10,511
18							68	49	75.250	6.156,205	65.245,705	10,598	10,134
19	0	99.139	49.257,049	1.164.225,556	23,636	23,171	69	50	73.294	5.779,477	59.089,499	10,224	9,760
20	1	98.683	47.258,315	1.114.968,507	23,593	23,129	70	51	71.226	5.413,415	53.310,022	9,848	9,383
21	2	98.572	45.499,252	1.067.710,192	23,467	23,002	71	52	69.003	5.054,871	47.896,607	9,475	9,011
22	3	98.475	43.811,651	1.022.210,940	23,332	22,868	72	53	66.628	4.704,472	42.841,735	9,107	8,642
23	4	98.384	42.189,016	978.399,289	23,191	22,726	73	54	64.079	4.360,982	38.137,264	8,745	8,281
24	5	98.299	40.628,723	936.210,273	23,043	22,579	74	55	61.380	4.026,278	33.776,282	8,389	7,925
25	6	98.215	39.126,686	895.581,550	22,889	22,425	75	56	58.551	3.701,918	29.750,003	8,036	7,572
26	7	98.134	37.681,410	856.454,865	22,729	22,264	76	57	55.620	3.389,477	26.048,086	7,685	7,221
27	8	98.055	36.290,296	818.773,454	22,562	22,097	77	58	52.609	3.090,137	22.658,608	7,333	6,868
28	9	97.975	34.950,229	782.483,158	22,388	21,924	78	59	49.490	2.801,859	19.568,471	6,984	6,520
29	10	97.897	33.660,031	747.532,929	22,208	21,744	79	60	46.250	2.523,757	16.766,613	6,644	6,179
30	11	97.820	32.417,858	713.872,898	22,021	21,557	80	61	42.932	2.258,049	14.242,855	6,308	5,843
31	12	97.739	31.220,373	681.455,040	21,827	21,363	81	62	39.518	2.003,346	11.984,806	5,982	5,518
32	13	97.654	30.065,609	650.234,666	21,627	21,163	82	63	36.045	1.761,244	9.981,460	5,667	5,203
33	14	97.564	28.952,354	620.169,057	21,420	20,956	83	64	32.439	1.527,780	8.220,216	5,380	4,916
34	15	97.467	27.878,155	591.216,703	21,207	20,743	84	65	28.921	1.312,841	6.692,437	5,098	4,633
35	16	97.357	26.840,051	563.338,547	20,989	20,524	85	66	25.522	1.116,666	5.379,596	4,818	4,353
36	17	97.234	25.837,383	536.498,496	20,764	20,300	86	67	22.352	942,617	4.262,930	4,522	4,058
37	18	97.103	24.869,917	510.661,113	20,533	20,069	87	68	19.194	780,183	3.320,313	4,256	3,791
38	19	96.958	23.935,158	485.791,196	20,296	19,832	88	69	16.125	631,747	2.540,130	4,021	3,556
39	20	96.798	23.031,856	461.856,038	20,053	19,588	89	70	13.285	501,654	1.908,383	3,804	3,340
40	21	96.618	22.158,163	438.824,182	19,804	19,340	90	71	10.741	390,949	1.406,729	3,598	3,134
41	22	96.428	21.315,268	416.666,019	19,548	19,083	91	72	8.517	298,787	1.015,780	3,400	2,935
42	23	96.219	20.500,256	395.350,752	19,285	18,821	92	73	6.584	222,644	716,993	3,220	2,756
43	24	95.981	19.710,559	374.850,496	19,018	18,553	93	74	4.967	161,891	494,348	3,054	2,589
44	25	95.718	18.945,950	355.139,937	18,745	18,280	94	75	3.652	114,723	332,457	2,898	2,433
45	26	95.438	18.207,683	336.193,987	18,464	18,000	95	76	2.611	79,071	217,735	2,754	2,289
46	27	95.117	17.490,675	317.986,303	18,180	17,716	96	77	1.814	52,949	138,664	2,619	2,154
47	28	94.767	16.796,364	300.495,628	17,891	17,426	97	78	1.222	34,387	85,715	2,493	2,028
48	29	94.384	16.123,801	283.699,265	17,595	17,131	98	79	797	21,611	51,328	2,375	1,911
49	30	93.971	15.473,037	267.575,463	17,293	16,829	99	80	502	13,120	29,718	2,265	1,801
							100	81	305	7,672	16,598	2,164	1,699

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 20 Jahre

Zinsfuß 3,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	30	93.549	14.846,833	252.535,721	17,009	16,545
1							51	31	93.055	14.234,626	237.688,888	16,698	16,234
2							52	32	92.540	13.644,165	223.454,262	16,377	15,913
3							53	33	91.964	13.069,225	209.810,097	16,054	15,589
4							54	34	91.350	12.512,663	196.740,873	15,723	15,259
5							55	35	90.687	11.972,891	184.228,210	15,387	14,923
6							56	36	89.962	11.447,890	172.255,319	15,047	14,582
7							57	37	89.207	10.941,508	160.807,429	14,697	14,233
8							58	38	88.381	10.448,368	149.865,920	14,343	13,879
9							59	39	87.477	9.967,765	139.417,552	13,987	13,522
10							60	40	86.489	9.498,890	129.449,787	13,628	13,163
11							61	41	85.441	9.044,605	119.950,897	13,262	12,798
12							62	42	84.331	8.604,468	110.906,292	12,889	12,425
13							63	43	83.101	8.172,550	102.301,824	12,518	12,053
14							64	44	81.794	7.753,247	94.129,274	12,141	11,676
15							65	45	80.391	7.344,834	86.376,027	11,760	11,296
16							66	46	78.858	6.944,345	79.031,193	11,381	10,916
17							67	47	77.210	6.553,479	72.086,847	11,000	10,535
18							68	48	75.409	6.169,284	65.533,368	10,623	10,158
19							69	49	73.471	5.793,420	59.364,084	10,247	9,782
20	0	99.059	47.438,436	1.115.731,589	23,520	23,055	70	50	71.406	5.427,128	53.570,664	9,871	9,406
21	1	98.608	45.515,553	1.068.293,153	23,471	23,007	71	51	69.195	5.068,949	48.143,537	9,498	9,033
22	2	98.495	43.820,315	1.022.777,600	23,340	22,876	72	52	66.830	4.718,738	43.074,587	9,128	8,664
23	3	98.401	42.196,259	978.957,286	23,200	22,736	73	53	64.282	4.374,796	38.355,850	8,767	8,303
24	4	98.311	40.633,971	936.761,027	23,054	22,589	74	54	61.594	4.040,331	33.981,054	8,410	7,946
25	5	98.227	39.131,801	896.127,056	22,900	22,436	75	55	58.774	3.715,989	29.940,723	8,057	7,593
26	6	98.143	37.684,883	856.995,255	22,741	22,277	76	56	55.844	3.403,140	26.224,733	7,706	7,242
27	7	98.063	36.293,457	819.310,372	22,575	22,110	77	57	52.845	3.103,991	22.821,593	7,352	6,888
28	8	97.985	34.953,584	783.016,915	22,402	21,937	78	58	49.730	2.815,417	19.717,603	7,003	6,539
29	9	97.903	33.662,206	748.063,331	22,223	21,758	79	59	46.486	2.536,653	16.902,186	6,663	6,199
30	10	97.828	32.420,585	714.401,125	22,035	21,571	80	60	43.170	2.270,547	14.365,533	6,327	5,862
31	11	97.748	31.223,301	681.980,540	21,842	21,378	81	61	39.741	2.014,683	12.094,986	6,003	5,539
32	12	97.662	30.068,163	650.757,239	21,643	21,178	82	62	36.273	1.772,397	10.080,303	5,687	5,223
33	13	97.574	28.955,160	620.689,076	21,436	20,972	83	63	32.662	1.538,243	8.307,905	5,401	4,936
34	14	97.479	27.881,404	591.733,916	21,223	20,759	84	64	29.134	1.322,512	6.769,663	5,119	4,654
35	15	97.374	26.844,848	563.852,512	21,004	20,540	85	65	25.732	1.125,861	5.447,151	4,838	4,374
36	16	97.255	25.842,856	537.007,664	20,780	20,315	86	66	22.556	951,232	4.321,290	4,543	4,078
37	17	97.125	24.875,390	511.164,808	20,549	20,085	87	67	19.391	788,195	3.370,058	4,276	3,811
38	18	96.986	23.942,044	486.289,418	20,311	19,847	88	68	16.311	639,056	2.581,863	4,040	3,576
39	19	96.825	23.038,242	462.347,375	20,069	19,604	89	69	13.456	508,137	1.942,807	3,823	3,359
40	20	96.649	22.165,164	439.309,132	19,820	19,355	90	70	10.896	396,586	1.434,670	3,618	3,153
41	21	96.452	21.320,484	417.143,968	19,565	19,101	91	71	8.657	303,711	1.038,084	3,418	2,954
42	22	96.245	20.505,808	395.823,484	19,303	18,839	92	72	6.705	226,732	734,373	3,239	2,775
43	23	96.007	19.715,703	375.317,677	19,036	18,572	93	73	5.071	165,258	507,640	3,072	2,607
44	24	95.744	18.951,099	355.601,974	18,764	18,300	94	74	3.737	117,395	342,382	2,917	2,452
45	25	95.461	18.212,165	336.650,875	18,485	18,021	95	75	2.681	81,175	224,988	2,772	2,307
46	26	95.144	17.495,573	318.438,710	18,201	17,737	96	76	1.868	54,527	143,813	2,637	2,173
47	27	94.794	16.801,260	300.943,137	17,912	17,448	97	77	1.264	35,543	89,285	2,512	2,048
48	28	94.412	16.128,589	284.141,877	17,617	17,153	98	78	828	22,442	53,742	2,395	1,930
49	29	93.998	15.477,568	268.013,289	17,316	16,852	99	79	524	13,696	31,300	2,285	1,821
							100	80	320	8,065	17,604	2,183	1,718

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 21 Jahre

Zinsfuß 3,75%

Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	29	93.576	14.851,180	252.932,112	17,031	16,567
1							51	30	93.085	14.239,288	238.080,933	16,720	16,256
2							52	31	92.573	13.649,040	223.841,644	16,400	15,935
3							53	32	91.997	13.073,874	210.192,604	16,077	15,613
4							54	33	91.386	12.517,664	197.118,730	15,747	15,283
5							55	34	90.729	11.978,507	184.601,066	15,411	14,947
6							56	35	90.008	11.453,754	172.622,559	15,071	14,607
7							57	36	89.258	10.947,699	161.168,805	14,722	14,257
8							58	37	88.435	10.454,779	150.221,106	14,369	13,904
9							59	38	87.539	9.974,742	139.766,327	14,012	13,548
10							60	39	86.558	9.506,498	129.791,585	13,653	13,189
11							61	40	85.515	9.052,481	120.285,087	13,288	12,823
12							62	41	84.414	8.612,982	111.232,606	12,915	12,450
13							63	42	83.195	8.181,752	102.619,625	12,543	12,078
14							64	43	81.900	7.763,324	94.437,873	12,165	11,700
15							65	44	80.503	7.355,072	86.674,548	11,784	11,320
16							66	45	78.983	6.955,377	79.319,476	11,404	10,940
17							67	46	77.349	6.565,270	72.364,100	11,022	10,558
18							68	47	75.556	6.181,304	65.798,829	10,645	10,180
19							69	48	73.627	5.805,728	59.617,525	10,269	9,804
20							70	49	71.579	5.440,221	53.811,797	9,891	9,427
21	0	98.983	45.689,031	1.069.002,702	23,397	22,933	71	50	69.370	5.081,789	48.371,576	9,519	9,054
22	1	98.530	43.836,014	1.023.313,671	23,344	22,880	72	51	67.016	4.731,879	43.289,787	9,149	8,684
23	2	98.421	42.204,603	979.477,657	23,208	22,743	73	52	64.477	4.388,062	38.557,908	8,787	8,323
24	3	98.328	40.640,947	937.273,054	23,062	22,598	74	53	61.789	4.053,129	34.169,847	8,430	7,966
25	4	98.240	39.136,856	896.632,107	22,910	22,446	75	54	58.979	3.728,960	30.116,717	8,076	7,612
26	5	98.156	37.689,810	857.495,251	22,751	22,287	76	55	56.056	3.416,076	26.387,758	7,725	7,260
27	6	98.072	36.296,802	819.805,442	22,586	22,122	77	56	53.058	3.116,502	22.971,681	7,371	6,907
28	7	97.993	34.956,628	783.508,640	22,414	21,949	78	57	49.953	2.828,039	19.855,179	7,021	6,556
29	8	97.913	33.665,438	748.552,012	22,235	21,771	79	58	46.711	2.548,928	17.027,140	6,680	6,216
30	9	97.835	32.422,680	714.886,574	22,049	21,585	80	59	43.390	2.282,149	14.478,212	6,344	5,880
31	10	97.757	31.225,927	682.463,894	21,856	21,391	81	60	39.961	2.025,834	12.196,064	6,020	5,556
32	11	97.671	30.070,983	651.237,967	21,657	21,192	82	61	36.478	1.782,427	10.170,230	5,706	5,241
33	12	97.582	28.957,619	621.166,983	21,451	20,986	83	62	32.868	1.547,984	8.387,802	5,419	4,954
34	13	97.488	27.884,106	592.209,365	21,238	20,774	84	63	29.334	1.331,569	6.839,818	5,137	4,672
35	14	97.386	26.847,976	564.325,259	21,019	20,555	85	64	25.922	1.134,155	5.508,249	4,857	4,392
36	15	97.272	25.847,474	537.477,283	20,794	20,330	86	65	22.742	959,065	4.374,094	4,561	4,096
37	16	97.145	24.880,659	511.629,808	20,563	20,099	87	66	19.568	795,399	3.415,030	4,293	3,829
38	17	97.007	23.947,313	486.749,149	20,326	19,861	88	67	16.479	645,619	2.619,631	4,058	3,593
39	18	96.852	23.044,870	462.801,837	20,083	19,618	89	68	13.612	514,016	1.974,012	3,840	3,376
40	19	96.675	22.171,310	439.756,967	19,835	19,370	90	69	11.037	401,711	1.459,996	3,634	3,170
41	20	96.482	21.327,221	417.585,657	19,580	19,116	91	70	8.782	308,090	1.058,285	3,435	2,971
42	21	96.268	20.510,826	396.258,437	19,319	18,855	92	71	6.816	230,469	750,194	3,255	2,791
43	22	96.033	19.721,042	375.747,611	19,053	18,589	93	72	5.164	168,292	519,726	3,088	2,624
44	23	95.769	18.956,044	356.026,568	18,782	18,317	94	73	3.815	119,836	351,434	2,933	2,468
45	24	95.487	18.217,114	337.070,524	18,503	18,039	95	74	2.743	83,066	231,598	2,788	2,324
46	25	95.167	17.499,879	318.853,410	18,220	17,756	96	75	1.918	55,979	148,532	2,653	2,189
47	26	94.821	16.805,965	301.353,531	17,931	17,467	97	76	1.301	36,603	92,553	2,529	2,064
48	27	94.439	16.133,290	284.547,566	17,637	17,173	98	77	856	23,197	55,950	2,412	1,948
49	28	94.026	15.482,163	268.414,275	17,337	16,873	99	78	544	14,223	32,753	2,303	1,838
							100	79	334	8,419	18,530	2,201	1,737

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 22 Jahre

Zinsfuß 3,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	28	93.604	14.855,589	253.295,136	17,050	16,586
1							51	29	93.113	14.243,458	238.439,547	16,740	16,276
2							52	30	92.603	13.653,511	224.196,090	16,420	15,956
3							53	31	92.030	13.078,545	210.542,579	16,098	15,634
4							54	32	91.419	12.522,117	197.464,033	15,769	15,305
5							55	33	90.766	11.983,295	184.941,916	15,433	14,969
6							56	34	90.050	11.459,126	172.958,621	15,094	14,629
7							57	35	89.303	10.953,306	161.499,495	14,744	14,280
8							58	36	88.485	10.460,694	150.546,189	14,392	13,927
9							59	37	87.592	9.980,863	140.085,494	14,035	13,571
10							60	38	86.619	9.513,153	130.104,632	13,676	13,212
11							61	39	85.583	9.059,731	120.591,479	13,311	12,846
12							62	40	84.488	8.620,481	111.531,748	12,938	12,474
13							63	41	83.277	8.189,847	102.911,267	12,566	12,101
14							64	42	81.993	7.772,065	94.721,420	12,187	11,723
15							65	43	80.608	7.364,632	86.949,354	11,806	11,342
16							66	44	79.093	6.965,072	79.584,723	11,426	10,962
17							67	45	77.472	6.575,699	72.619,651	11,044	10,579
18							68	46	75.692	6.192,426	66.043,951	10,665	10,201
19							69	47	73.770	5.817,040	59.851,526	10,289	9,825
20							70	48	71.731	5.451,778	54.034,485	9,911	9,447
21							71	49	69.537	5.094,049	48.582,707	9,537	9,073
22	0	98.906	44.003,091	1.023.973,773	23,270	22,806	72	50	67.186	4.743,865	43.488,658	9,167	8,703
23	1	98.456	42.219,724	979.970,682	23,211	22,747	73	51	64.657	4.400,282	38.744,793	8,805	8,341
24	2	98.348	40.648,984	937.750,958	23,069	22,605	74	52	61.976	4.065,420	34.344,511	8,448	7,984
25	3	98.257	39.143,575	897.101,975	22,918	22,454	75	53	59.166	3.740,771	30.279,091	8,094	7,630
26	4	98.168	37.694,678	857.958,400	22,761	22,296	76	54	56.252	3.428,000	26.538,320	7,742	7,277
27	5	98.085	36.301,547	820.263,722	22,596	22,131	77	55	53.260	3.128,349	23.110,320	7,387	6,923
28	6	98.002	34.959,850	783.962,175	22,425	21,960	78	56	50.154	2.839,438	19.981,971	7,037	6,573
29	7	97.921	33.668,370	749.002,325	22,246	21,782	79	57	46.920	2.560,355	17.142,533	6,695	6,231
30	8	97.844	32.425,792	715.333,955	22,061	21,596	80	58	43.600	2.293,192	14.582,178	6,359	5,894
31	9	97.763	31.227,945	682.908,162	21,868	21,404	81	59	40.166	2.036,186	12.288,986	6,035	5,571
32	10	97.680	30.073,512	651.680,217	21,670	21,205	82	60	36.680	1.792,293	10.252,800	5,720	5,256
33	11	97.591	28.960,335	621.606,705	21,464	21,000	83	61	33.054	1.556,744	8.460,508	5,435	4,970
34	12	97.497	27.886,474	592.646,370	21,252	20,788	84	62	29.519	1.340,002	6.903,763	5,152	4,688
35	13	97.395	26.850,578	564.759,896	21,033	20,569	85	63	26.099	1.141,922	5.563,761	4,872	4,408
36	14	97.284	25.850,486	537.909,319	20,808	20,344	86	64	22.909	966,130	4.421,840	4,577	4,112
37	15	97.163	24.885,105	512.058,832	20,577	20,112	87	65	19.729	801,949	3.455,710	4,309	3,845
38	16	97.028	23.952,385	487.173,727	20,339	19,875	88	66	16.630	651,519	2.653,761	4,073	3,609
39	17	96.874	23.049,941	463.221,342	20,096	19,632	89	67	13.752	519,295	2.002,242	3,856	3,391
40	18	96.703	22.177,688	440.171,401	19,847	19,383	90	68	11.165	406,359	1.482,947	3,649	3,185
41	19	96.509	21.333,134	417.993,713	19,594	19,129	91	69	8.896	312,072	1.076,588	3,450	2,985
42	20	96.299	20.517,307	396.660,578	19,333	18,869	92	70	6.914	233,792	764,517	3,270	2,806
43	21	96.056	19.725,868	376.143,272	19,069	18,604	93	71	5.249	171,065	530,725	3,102	2,638
44	22	95.795	18.961,178	356.417,403	18,797	18,333	94	72	3.885	122,036	359,660	2,947	2,483
45	23	95.512	18.221,868	337.456,226	18,519	18,055	95	73	2.800	84,793	237,623	2,802	2,338
46	24	95.193	17.504,635	319.234,357	18,237	17,773	96	74	1.963	57,283	152,830	2,668	2,204
47	25	94.844	16.810,101	301.729,722	17,949	17,485	97	75	1.336	37,577	95,547	2,543	2,078
48	26	94.466	16.137,808	284.919,621	17,655	17,191	98	76	881	23,889	57,970	2,427	1,962
49	27	94.054	15.486,676	268.781,813	17,356	16,891	99	77	563	14,701	34,082	2,318	1,854
							100	78	347	8,743	19,380	2,217	1,752

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 23 Jahre

Zinsfuß 3,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	27	93.631	14.859,920	253.627,863	17,068	16,603
1							51	28	93.140	14.247,687	238.767,943	16,758	16,294
2							52	29	92.630	13.657,509	224.520,256	16,439	15,975
3							53	30	92.060	13.082,829	210.862,748	16,118	15,653
4							54	31	91.451	12.526,592	197.779,919	15,789	15,324
5							55	32	90.798	11.987,558	185.253,327	15,454	14,989
6							56	33	90.086	11.463,707	173.265,769	15,114	14,650
7							57	34	89.345	10.958,444	161.802,063	14,765	14,301
8							58	35	88.531	10.466,053	150.843,619	14,413	13,948
9							59	36	87.642	9.986,510	140.377,566	14,057	13,592
10							60	37	86.672	9.518,990	130.391,057	13,698	13,234
11							61	38	85.643	9.066,073	120.872,067	13,332	12,868
12							62	39	84.555	8.627,385	111.805,994	12,959	12,495
13							63	40	83.350	8.196,979	103.178,609	12,587	12,123
14							64	41	82.074	7.779,756	94.981,630	12,209	11,744
15							65	42	80.699	7.372,924	87.201,875	11,827	11,363
16							66	43	79.196	6.974,125	79.828,951	11,446	10,982
17							67	44	77.580	6.584,866	72.854,826	11,064	10,600
18							68	45	75.813	6.202,263	66.269,961	10,685	10,220
19							69	46	73.903	5.827,506	60.067,698	10,308	9,843
20							70	47	71.871	5.462,401	54.240,192	9,930	9,465
21							71	48	69.685	5.104,871	48.777,791	9,555	9,091
22							72	49	67.348	4.755,310	43.672,920	9,184	8,720
23	0	98.831	42.380,640	980.585,087	23,138	22,673	73	50	64.820	4.411,428	38.917,611	8,822	8,358
24	1	98.383	40.663,547	938.204,447	23,072	22,608	74	51	62.149	4.076,742	34.506,182	8,464	8,000
25	2	98.276	39.151,315	897.540,900	22,925	22,460	75	52	59.345	3.752,115	30.429,440	8,110	7,646
26	3	98.185	37.701,149	858.389,584	22,768	22,304	76	53	56.430	3.438,858	26.677,326	7,758	7,293
27	4	98.098	36.306,236	820.688,435	22,605	22,140	77	54	53.446	3.139,268	23.238,468	7,403	6,938
28	5	98.015	34.964,420	784.382,199	22,434	21,969	78	55	50.345	2.850,232	20.099,199	7,052	6,587
29	6	97.930	33.671,473	749.417,778	22,257	21,792	79	56	47.109	2.570,676	17.248,968	6,710	6,245
30	7	97.852	32.428,617	715.746,305	22,071	21,607	80	57	43.796	2.303,473	14.678,292	6,372	5,908
31	8	97.772	31.230,943	683.317,689	21,880	21,415	81	58	40.360	2.046,039	12.374,820	6,048	5,584
32	9	97.686	30.075,455	652.086,746	21,682	21,217	82	59	36.868	1.801,451	10.328,781	5,734	5,269
33	10	97.599	28.962,770	622.011,290	21,476	21,012	83	60	33.237	1.565,361	8.527,330	5,448	4,983
34	11	97.506	27.889,090	593.048,520	21,265	20,800	84	61	29.686	1.347,585	6.961,970	5,166	4,702
35	12	97.403	26.852,858	565.159,430	21,047	20,582	85	62	26.264	1.149,153	5.614,385	4,886	4,421
36	13	97.293	25.852,991	538.306,572	20,822	20,357	86	63	23.066	972,746	4.465,231	4,590	4,126
37	14	97.174	24.888,005	512.453,581	20,590	20,126	87	64	19.875	807,856	3.492,485	4,323	3,859
38	15	97.045	23.956,665	487.565,576	20,352	19,888	88	65	16.766	656,884	2.684,629	4,087	3,622
39	16	96.894	23.054,824	463.608,910	20,109	19,645	89	66	13.877	524,041	2.027,744	3,869	3,405
40	17	96.724	22.182,569	440.554,087	19,860	19,396	90	67	11.279	410,532	1.503,704	3,663	3,198
41	18	96.537	21.339,271	418.371,518	19,606	19,141	91	68	8.998	315,682	1.093,172	3,463	2,998
42	19	96.325	20.522,996	397.032,247	19,346	18,881	92	69	7.003	236,813	777,490	3,283	2,819
43	20	96.086	19.732,101	376.509,251	19,081	18,617	93	70	5.324	173,532	540,677	3,116	2,651
44	21	95.818	18.965,818	356.777,150	18,812	18,347	94	71	3.949	124,047	367,145	2,960	2,495
45	22	95.538	18.226,803	337.811,332	18,534	18,069	95	72	2.852	86,350	243,097	2,815	2,351
46	23	95.218	17.509,203	319.584,529	18,252	17,788	96	73	2.004	58,474	156,747	2,681	2,216
47	24	94.870	16.814,670	302.075,326	17,965	17,501	97	74	1.367	38,452	98,273	2,556	2,091
48	25	94.489	16.141,780	285.260,656	17,672	17,208	98	75	905	24,524	59,821	2,439	1,975
49	26	94.080	15.491,013	269.118,876	17,373	16,908	99	76	579	15,140	35,297	2,331	1,867
							100	77	359	9,037	20,157	2,231	1,766

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 24 Jahre

Zinsfuß 3,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	26	93.658	14.864,081	253.932,982	17,084	16,619
1							51	27	93.167	14.251,840	239.068,901	16,775	16,310
2							52	28	92.658	13.661,564	224.817,061	16,456	15,992
3							53	29	92.087	13.086,659	211.155,498	16,135	15,671
4							54	30	91.481	12.530,694	198.068,838	15,807	15,342
5							55	31	90.830	11.991,841	185.538,144	15,472	15,008
6							56	32	90.118	11.467,784	173.546,302	15,133	14,669
7							57	33	89.381	10.962,824	162.078,518	14,784	14,320
8							58	34	88.572	10.470,962	151.115,694	14,432	13,967
9							59	35	87.687	9.991,625	140.644,732	14,076	13,612
10							60	36	86.721	9.524,376	130.653,107	13,718	13,253
11							61	37	85.696	9.071,635	121.128,732	13,352	12,888
12							62	38	84.615	8.633,425	112.057,096	12,979	12,515
13							63	39	83.417	8.203,544	103.423,672	12,607	12,143
14							64	40	82.145	7.786,530	95.220,128	12,229	11,764
15							65	41	80.779	7.380,219	87.433,598	11,847	11,383
16							66	42	79.285	6.981,977	80.053,379	11,466	11,001
17							67	43	77.681	6.593,424	73.071,402	11,082	10,618
18							68	44	75.918	6.210,908	66.477,978	10,703	10,239
19							69	45	74.020	5.836,763	60.267,070	10,325	9,861
20							70	46	72.000	5.472,229	54.430,307	9,947	9,482
21							71	47	69.821	5.114,817	48.958,078	9,572	9,107
22							72	48	67.491	4.765,412	43.843,261	9,200	8,736
23							73	49	64.977	4.422,071	39.077,849	8,837	8,373
24	0	98.758	40.818,532	938.776,589	22,999	22,534	74	50	62.306	4.087,068	34.655,778	8,479	8,015
25	1	98.312	39.165,342	897.958,056	22,927	22,463	75	51	59.510	3.762,564	30.568,709	8,124	7,660
26	2	98.204	37.708,605	858.792,714	22,774	22,310	76	52	56.601	3.449,286	26.806,145	7,772	7,307
27	3	98.115	36.312,469	821.084,109	22,612	22,147	77	53	53.615	3.149,212	23.356,859	7,417	6,952
28	4	98.028	34.968,937	784.771,640	22,442	21,978	78	54	50.520	2.860,180	20.207,647	7,065	6,601
29	5	97.943	33.675,875	749.802,703	22,265	21,801	79	55	47.288	2.580,447	17.347,467	6,723	6,258
30	6	97.861	32.431,605	716.126,828	22,081	21,617	80	56	43.972	2.312,758	14.767,020	6,385	5,921
31	7	97.781	31.233,663	683.695,223	21,890	21,425	81	57	40.541	2.055,211	12.454,262	6,060	5,595
32	8	97.695	30.078,343	652.461,560	21,692	21,228	82	58	37.046	1.810,168	10.399,051	5,745	5,280
33	9	97.606	28.964,642	622.383,217	21,488	21,023	83	59	33.407	1.573,359	8.588,883	5,459	4,995
34	10	97.514	27.891,435	593.418,575	21,276	20,812	84	60	29.851	1.355,044	7.015,524	5,177	4,713
35	11	97.413	26.855,377	565.527,140	21,058	20,594	85	61	26.413	1.155,657	5.660,480	4,898	4,434
36	12	97.301	25.855,187	538.671,764	20,834	20,370	86	62	23.212	978,906	4.504,824	4,602	4,137
37	13	97.183	24.890,417	512.816,576	20,603	20,139	87	63	20.011	813,389	3.525,917	4,335	3,870
38	14	97.057	23.959,457	487.926,160	20,365	19,900	88	64	16.890	661,723	2.712,528	4,099	3,635
39	15	96.912	23.058,944	463.966,702	20,121	19,656	89	65	13.992	528,356	2.050,805	3,881	3,417
40	16	96.745	22.187,267	440.907,759	19,872	19,408	90	66	11.382	414,284	1.522,449	3,675	3,210
41	17	96.558	21.343,967	418.720,491	19,618	19,153	91	67	9.091	318,924	1.108,165	3,475	3,010
42	18	96.353	20.528,900	397.376,524	19,357	18,893	92	68	7.084	239,553	789,241	3,295	2,830
43	19	96.113	19.737,572	376.847,624	19,093	18,628	93	69	5.393	175,775	549,688	3,127	2,663
44	20	95.849	18.971,811	357.110,052	18,823	18,359	94	70	4.006	125,836	373,913	2,971	2,507
45	21	95.561	18.231,264	338.138,241	18,547	18,083	95	71	2.899	87,773	248,078	2,826	2,362
46	22	95.244	17.513,945	319.906,978	18,266	17,801	96	72	2.040	59,547	160,304	2,692	2,228
47	23	94.895	16.819,058	302.393,033	17,979	17,515	97	73	1.395	39,252	100,757	2,567	2,103
48	24	94.515	16.146,167	285.573,975	17,687	17,222	98	74	926	25,096	61,505	2,451	1,986
49	25	94.103	15.494,826	269.427,808	17,388	16,924	99	75	595	15,543	36,409	2,343	1,878
							100	76	369	9,306	20,867	2,242	1,778

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 25 Jahre

Zinsfuß 3,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	25	93.681	14.867,740	254.212,595	17,098	16,634
1							51	26	93.194	14.255,831	239.344,856	16,789	16,325
2							52	27	92.685	13.665,546	225.089,025	16,471	16,007
3							53	28	92.114	13.090,545	211.423,479	16,151	15,686
4							54	29	91.508	12.534,363	198.332,934	15,823	15,359
5							55	30	90.860	11.995,769	185.798,570	15,489	15,024
6							56	31	90.151	11.471,882	173.802,801	15,150	14,686
7							57	32	89.413	10.966,724	162.330,919	14,802	14,338
8							58	33	88.607	10.475,147	151.364,195	14,450	13,985
9							59	34	87.728	9.996,311	140.889,048	14,094	13,630
10							60	35	86.765	9.529,254	130.892,737	13,736	13,271
11							61	36	85.744	9.076,768	121.363,483	13,371	12,906
12							62	37	84.667	8.638,722	112.286,715	12,998	12,534
13							63	38	83.475	8.209,286	103.647,993	12,626	12,161
14							64	39	82.211	7.792,766	95.438,707	12,247	11,783
15							65	40	80.849	7.386,645	87.645,941	11,865	11,401
16							66	41	79.364	6.988,885	80.259,295	11,484	11,019
17							67	42	77.768	6.600,848	73.270,410	11,100	10,636
18							68	43	76.017	6.218,981	66.669,562	10,720	10,256
19							69	44	74.124	5.844,900	60.450,581	10,342	9,878
20							70	45	72.114	5.480,921	54.605,682	9,963	9,498
21							71	46	69.947	5.124,020	49.124,761	9,587	9,123
22							72	47	67.622	4.774,697	44.000,740	9,215	8,751
23							73	48	65.115	4.431,465	39.226,043	8,852	8,387
24							74	49	62.457	4.096,929	34.794,578	8,493	8,028
25	0	98.686	39.314,617	898.491,084	22,854	22,389	75	50	59.661	3.772,095	30.697,649	8,138	7,674
26	1	98.240	37.722,115	859.176,467	22,776	22,312	76	51	56.759	3.458,892	26.925,554	7,784	7,320
27	2	98.134	36.319,650	821.454,352	22,617	22,153	77	52	53.778	3.158,762	23.466,662	7,429	6,965
28	3	98.045	34.974,940	785.134,702	22,448	21,984	78	53	50.680	2.869,240	20.307,900	7,078	6,613
29	4	97.956	33.680,225	750.159,762	22,273	21,809	79	54	47.454	2.589,454	17.438,661	6,734	6,270
30	5	97.874	32.435,845	716.479,537	22,089	21,625	80	55	44.139	2.321,549	14.849,207	6,396	5,932
31	6	97.790	31.236,541	684.043,692	21,899	21,434	81	56	40.704	2.063,495	12.527,658	6,071	5,607
32	7	97.704	30.080,962	652.807,150	21,702	21,237	82	57	37.212	1.818,283	10.464,162	5,755	5,291
33	8	97.615	28.967,423	622.726,188	21,497	21,033	83	58	33.569	1.580,973	8.645,879	5,469	5,004
34	9	97.520	27.893,238	593.758,765	21,287	20,822	84	59	30.003	1.361,968	7.064,907	5,187	4,723
35	10	97.421	26.857,635	565.865,528	21,069	20,605	85	60	26.559	1.162,053	5.702,939	4,908	4,443
36	11	97.311	25.857,612	539.007,893	20,845	20,381	86	61	23.344	984,446	4.540,886	4,613	4,148
37	12	97.192	24.892,531	513.150,280	20,615	20,150	87	62	20.137	818,540	3.556,440	4,345	3,880
38	13	97.066	23.961,779	488.257,750	20,377	19,912	88	63	17.006	666,255	2.737,900	4,109	3,645
39	14	96.923	23.061,631	464.295,971	20,133	19,668	89	64	14.095	532,248	2.071,645	3,892	3,428
40	15	96.762	22.191,232	441.234,340	19,883	19,419	90	65	11.476	417,696	1.539,397	3,685	3,221
41	16	96.578	21.348,488	419.043,107	19,629	19,164	91	66	9.174	321,839	1.121,701	3,485	3,021
42	17	96.374	20.533,417	397.694,619	19,368	18,904	92	67	7.157	242,013	799,862	3,305	2,841
43	18	96.141	19.743,250	377.161,202	19,103	18,639	93	68	5.456	177,808	557,849	3,137	2,673
44	19	95.875	18.977,071	357.417,951	18,834	18,370	94	69	4.058	127,462	380,041	2,982	2,517
45	20	95.591	18.237,024	338.440,880	18,558	18,093	95	70	2.941	89,039	252,579	2,837	2,372
46	21	95.267	17.518,231	320.203,856	18,278	17,814	96	71	2.074	60,529	163,540	2,702	2,237
47	22	94.921	16.823,613	302.685,625	17,992	17,527	97	72	1.421	39,973	103,012	2,577	2,113
48	23	94.539	16.150,381	285.862,013	17,700	17,236	98	73	945	25,618	63,039	2,461	1,996
49	24	94.129	15.499,037	269.711,632	17,402	16,937	99	74	609	15,905	37,421	2,353	1,888
							100	75	379	9,554	21,517	2,252	1,788

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 0 Jahre

Zinsfuß 4,00%

Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	0	100.000	100.000,000	2.392.868,298	23,929	23,464	50	50	91.638	12.894,611	198.813,997	15,418	14,954
1	1	99.166	95.351,739	2.292.868,298	24,046	23,582	51	51	90.953	12.306,053	185.919,387	15,108	14,643
2	2	99.090	91.614,502	2.197.516,559	23,987	23,522	52	52	90.231	11.738,748	173.613,334	14,790	14,325
3	3	99.051	88.055,719	2.105.902,057	23,916	23,451	53	53	89.431	11.187,136	161.874,586	14,470	14,005
4	4	99.016	84.638,984	2.017.846,339	23,841	23,376	54	54	88.588	10.655,496	150.687,450	14,142	13,677
5	5	98.990	81.362,215	1.933.207,355	23,761	23,296	55	55	87.680	10.140,706	140.031,953	13,809	13,344
6	6	98.963	78.211,960	1.851.845,140	23,677	23,212	56	56	86.694	9.641,043	129.891,247	13,473	13,008
7	7	98.942	75.188,114	1.773.633,179	23,589	23,124	57	57	85.670	9.160,709	120.250,204	13,127	12,662
8	8	98.922	72.281,041	1.698.445,065	23,498	23,033	58	58	84.550	8.693,185	111.089,495	12,779	12,314
9	9	98.900	69.486,067	1.626.164,024	23,403	22,938	59	59	83.341	8.239,302	102.396,310	12,428	11,963
10	10	98.885	66.802,956	1.556.677,957	23,303	22,838	60	60	82.046	7.799,280	94.157,007	12,073	11,608
11	11	98.867	64.222,175	1.489.875,001	23,199	22,734	61	61	80.675	7.374,064	86.357,728	11,711	11,246
12	12	98.844	61.737,380	1.425.652,827	23,092	22,627	62	62	79.258	6.965,860	78.983,663	11,339	10,874
13	13	98.822	59.350,072	1.363.915,447	22,981	22,516	63	63	77.698	6.566,141	72.017,803	10,968	10,503
14	14	98.800	57.054,449	1.304.565,375	22,865	22,400	64	64	76.054	6.180,037	65.451,661	10,591	10,126
15	15	98.770	54.843,534	1.247.510,926	22,747	22,282	65	65	74.307	5.805,793	59.271,625	10,209	9,744
16	16	98.729	52.712,309	1.192.667,392	22,626	22,161	66	66	72.409	5.439,930	53.465,832	9,828	9,364
17	17	98.670	50.654,769	1.139.955,083	22,504	22,040	67	67	70.380	5.084,149	48.025,902	9,446	8,981
18	18	98.599	48.671,111	1.089.300,314	22,381	21,916	68	68	68.173	4.735,262	42.941,753	9,069	8,604
19	19	98.496	46.750,199	1.040.629,203	22,259	21,795	69	69	65.800	4.394,656	38.206,491	8,694	8,229
20	20	98.389	44.903,459	993.879,004	22,134	21,669	70	70	63.288	4.064,290	33.811,835	8,319	7,854
21	21	98.283	43.129,950	948.975,546	22,003	21,538	71	71	60.609	3.742,561	29.747,545	7,948	7,484
22	22	98.182	41.428,450	905.845,596	21,865	21,400	72	72	57.749	3.428,789	26.004,985	7,584	7,119
23	23	98.081	39.794,237	864.417,146	21,722	21,257	73	73	54.711	3.123,496	22.576,196	7,228	6,763
24	24	97.983	38.225,352	824.622,909	21,573	21,108	74	74	51.518	2.828,066	19.452,700	6,878	6,414
25	25	97.886	36.718,499	786.397,557	21,417	20,952	75	75	48.208	2.544,576	16.624,634	6,533	6,069
26	26	97.790	35.271,743	749.679,058	21,254	20,790	76	76	44.787	2.273,079	14.080,058	6,194	5,729
27	27	97.693	33.881,394	714.407,316	21,086	20,621	77	77	41.321	2.016,505	11.806,979	5,855	5,390
28	28	97.594	32.545,478	680.525,922	20,910	20,445	78	78	37.788	1.773,190	9.790,474	5,521	5,057
29	29	97.494	31.261,445	647.980,444	20,728	20,263	79	79	34.179	1.542,138	8.017,283	5,199	4,734
30	30	97.396	30.029,147	616.718,999	20,537	20,073	80	80	30.561	1.325,856	6.475,145	4,884	4,419
31	31	97.293	28.843,639	586.689,852	20,340	19,876	81	81	26.911	1.122,627	5.149,289	4,587	4,122
32	32	97.182	27.702,468	557.846,214	20,137	19,672	82	82	23.325	935,589	4.026,662	4,304	3,839
33	33	97.068	26.605,702	530.143,746	19,926	19,461	83	83	19.770	762,485	3.091,073	4,054	3,589
34	34	96.944	25.549,752	503.538,044	19,708	19,243	84	84	16.483	611,270	2.328,588	3,809	3,345
35	35	96.806	24.532,099	477.988,292	19,484	19,019	85	85	13.487	480,925	1.717,317	3,571	3,106
36	36	96.655	23.551,807	453.456,194	19,254	18,789	86	86	10.885	373,207	1.236,392	3,313	2,848
37	37	96.491	22.607,614	429.904,387	19,016	18,551	87	87	8.491	279,932	863,185	3,084	2,619
38	38	96.316	21.698,514	407.296,773	18,771	18,306	88	88	6.365	201,780	583,253	2,891	2,426
39	39	96.116	20.820,631	385.598,259	18,520	18,055	89	89	4.613	140,614	381,473	2,713	2,248
40	40	95.891	19.972,985	364.777,628	18,264	17,799	90	90	3.223	94,458	240,859	2,550	2,085
41	41	95.642	19.155,040	344.804,643	18,001	17,536	91	91	2.173	61,238	146,401	2,391	1,926
42	42	95.366	18.365,147	325.649,603	17,732	17,267	92	92	1.390	37,671	85,163	2,261	1,796
43	43	95.049	17.600,031	307.284,456	17,459	16,994	93	93	851	22,165	47,492	2,143	1,678
44	44	94.691	16.859,301	289.684,424	17,182	16,718	94	94	497	12,443	25,327	2,036	1,571
45	45	94.305	16.144,870	272.825,123	16,899	16,434	95	95	276	6,647	12,884	1,938	1,473
46	46	93.866	15.451,600	256.680,253	16,612	16,147	96	96	146	3,371	6,237	1,850	1,385
47	47	93.379	14.780,286	241.228,652	16,321	15,856	97	97	73	1,619	2,866	1,770	1,305
48	48	92.848	14.131,014	226.448,367	16,025	15,560	98	98	34	0,734	1,247	1,697	1,232
49	49	92.273	13.503,356	212.317,353	15,723	15,258	99	99	15	0,314	0,512	1,631	1,166
							100	100	6	0,126	0,198	1,571	1,106

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -1 Jahr

Zinsfuß 4,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	1	99.620	99.620,306	2.389.823,082	23,989	23,524	50	51	91.406	12.862,031	196.827,272	15,303	14,838
1	2	99.130	95.317,589	2.290.202,775	24,027	23,562	51	52	90.701	12.271,876	183.965,242	14,991	14,526
2	3	99.071	91.596,389	2.194.885,186	23,963	23,498	52	53	89.958	11.703,259	171.693,366	14,671	14,206
3	4	99.034	88.040,604	2.103.288,797	23,890	23,425	53	54	89.148	11.151,812	159.990,106	14,347	13,882
4	5	99.003	84.628,052	2.015.248,193	23,813	23,348	54	55	88.280	10.618,434	148.838,294	14,017	13,552
5	6	98.977	81.351,579	1.930.620,141	23,732	23,267	55	56	87.348	10.102,305	138.219,860	13,682	13,217
6	7	98.954	78.204,754	1.849.268,562	23,646	23,182	56	57	86.346	9.602,337	128.117,555	13,342	12,878
7	8	98.934	75.181,566	1.771.063,808	23,557	23,092	57	58	85.288	9.119,824	118.515,218	12,995	12,531
8	9	98.912	72.274,103	1.695.882,242	23,465	23,000	58	59	84.143	8.651,322	109.395,394	12,645	12,180
9	10	98.894	69.481,577	1.623.608,139	23,367	22,903	59	60	82.917	8.197,415	100.744,072	12,290	11,825
10	11	98.876	66.797,338	1.554.126,563	23,266	22,801	60	61	81.594	7.756,351	92.546,657	11,932	11,467
11	12	98.858	64.216,152	1.487.329,224	23,161	22,696	61	62	80.221	7.332,568	84.790,306	11,564	11,099
12	13	98.835	61.732,136	1.423.113,072	23,053	22,588	62	63	78.759	6.922,025	77.457,738	11,190	10,725
13	14	98.813	59.344,321	1.361.380,936	22,940	22,476	63	64	77.170	6.521,479	70.535,713	10,816	10,351
14	15	98.788	57.047,801	1.302.036,615	22,824	22,359	64	65	75.498	6.134,843	64.014,234	10,435	9,970
15	16	98.752	54.833,736	1.244.988,814	22,705	22,240	65	66	73.700	5.758,375	57.879,391	10,051	9,587
16	17	98.708	52.701,145	1.190.155,079	22,583	22,118	66	67	71.753	5.390,663	52.121,016	9,669	9,204
17	18	98.649	50.643,624	1.137.453,933	22,460	21,995	67	68	69.665	5.032,469	46.730,353	9,286	8,821
18	19	98.570	48.657,113	1.086.810,309	22,336	21,871	68	69	67.393	4.681,102	41.697,884	8,908	8,443
19	20	98.468	46.737,239	1.038.153,195	22,213	21,748	69	70	64.960	4.338,588	37.016,782	8,532	8,067
20	21	98.358	44.889,275	991.415,956	22,086	21,621	70	71	62.388	4.006,522	32.678,194	8,156	7,691
21	22	98.259	43.119,397	946.526,681	21,951	21,486	71	72	59.626	3.681,885	28.671,672	7,787	7,322
22	23	98.155	41.417,233	903.407,283	21,812	21,348	72	73	56.707	3.366,971	24.989,787	7,422	6,957
23	24	98.056	39.783,854	861.990,050	21,667	21,202	73	74	53.596	3.059,863	21.622,816	7,067	6,602
24	25	97.957	38.214,967	822.206,196	21,515	21,050	74	75	50.345	2.763,694	18.562,953	6,717	6,252
25	26	97.861	36.709,464	783.991,229	21,357	20,892	75	76	46.958	2.478,601	15.799,259	6,374	5,909
26	27	97.762	35.261,868	747.281,765	21,192	20,728	76	77	43.490	2.207,277	13.320,657	6,035	5,570
27	28	97.664	33.871,520	712.019,897	21,021	20,556	77	78	39.976	1.950,903	11.113,380	5,697	5,232
28	29	97.565	32.535,817	678.148,377	20,843	20,378	78	79	36.388	1.707,472	9.162,477	5,366	4,901
29	30	97.465	31.252,294	645.612,559	20,658	20,193	79	80	32.741	1.477,266	7.455,005	5,046	4,582
30	31	97.365	30.019,315	614.360,265	20,465	20,001	80	81	29.072	1.261,268	5.977,739	4,739	4,275
31	32	97.259	28.833,335	584.340,950	20,266	19,801	81	82	25.411	1.060,047	4.716,471	4,449	3,984
32	33	97.147	27.692,617	555.507,615	20,060	19,595	82	83	21.818	875,127	3.656,423	4,178	3,713
33	34	97.029	26.595,071	527.814,997	19,846	19,382	83	84	18.353	707,847	2.781,296	3,929	3,464
34	35	96.898	25.537,773	501.219,926	19,627	19,162	84	85	15.158	562,148	2.073,448	3,688	3,224
35	36	96.756	24.519,539	475.682,153	19,400	18,935	85	86	12.316	439,169	1.511,301	3,441	2,976
36	37	96.600	23.538,490	451.162,614	19,167	18,702	86	87	9.787	335,582	1.072,132	3,195	2,730
37	38	96.432	22.593,751	427.624,124	18,927	18,462	87	88	7.490	246,934	736,549	2,983	2,518
38	39	96.248	21.683,335	405.030,374	18,679	18,215	88	89	5.528	175,241	489,615	2,794	2,329
39	40	96.039	20.803,969	383.347,039	18,427	17,962	89	90	3.929	119,771	314,374	2,625	2,160
40	41	95.807	19.955,609	362.543,070	18,167	17,703	90	91	2.696	79,018	194,603	2,463	1,998
41	42	95.548	19.136,106	342.587,461	17,903	17,438	91	92	1.766	49,762	115,585	2,323	1,858
42	43	95.259	18.344,492	323.451,355	17,632	17,167	92	93	1.105	29,934	65,823	2,199	1,734
43	44	94.926	17.577,186	305.106,863	17,358	16,893	93	94	660	17,200	35,889	2,087	1,622
44	45	94.559	16.835,833	287.529,676	17,078	16,614	94	95	376	9,417	18,689	1,985	1,520
45	46	94.155	16.119,264	270.693,843	16,793	16,328	95	96	203	4,901	9,272	1,892	1,427
46	47	93.697	15.423,850	254.574,579	16,505	16,040	96	97	104	2,418	4,371	1,808	1,343
47	48	93.198	14.751,543	239.150,729	16,212	15,747	97	98	51	1,128	1,954	1,732	1,267
48	49	92.651	14.101,057	224.399,186	15,914	15,449	98	99	23	0,497	0,825	1,663	1,198
49	50	92.051	13.470,857	210.298,129	15,611	15,147	99	100	10	0,206	0,329	1,600	1,135
							100	101	4	0,080	0,123	1,543	1,078

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -2 Jahre

Zinsfuß 4,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	2	99.585	99.584,628	2.386.945,032	23,969	23,504	50	52	91.153	12.826,310	194.690,363	15,179	14,714
1	3	99.111	95.298,744	2.287.360,403	24,002	23,537	51	53	90.427	12.234,776	181.864,054	14,865	14,400
2	4	99.054	91.580,666	2.192.061,660	23,936	23,471	52	54	89.674	11.666,306	169.629,278	14,540	14,075
3	5	99.021	88.029,233	2.100.480,993	23,861	23,396	53	55	88.838	11.113,023	157.962,972	14,214	13,749
4	6	98.990	84.616,990	2.012.451,760	23,783	23,318	54	56	87.945	10.578,224	146.849,949	13,882	13,417
5	7	98.968	81.344,083	1.927.834,770	23,700	23,235	55	57	86.998	10.061,747	136.271,725	13,544	13,079
6	8	98.945	78.197,943	1.846.490,687	23,613	23,148	56	58	85.961	9.559,481	126.209,978	13,203	12,738
7	9	98.924	75.174,349	1.768.292,745	23,523	23,058	57	59	84.877	9.075,907	116.650,497	12,853	12,388
8	10	98.906	72.269,433	1.693.118,396	23,428	22,963	58	60	83.715	8.607,340	107.574,591	12,498	12,033
9	11	98.886	69.475,734	1.620.848,963	23,330	22,865	59	61	82.461	8.152,295	98.967,250	12,140	11,675
10	12	98.867	66.791,074	1.551.373,229	23,227	22,762	60	62	81.135	7.712,703	90.814,956	11,775	11,310
11	13	98.849	64.210,698	1.484.582,155	23,120	22,656	61	63	79.716	7.286,425	83.102,253	11,405	10,940
12	14	98.826	61.726,155	1.420.371,457	23,011	22,546	62	64	78.223	6.874,943	75.815,828	11,028	10,563
13	15	98.801	59.337,406	1.358.645,301	22,897	22,432	63	65	76.605	6.473,789	68.940,885	10,649	10,184
14	16	98.771	57.037,608	1.299.307,895	22,780	22,315	64	66	74.882	6.084,738	62.467,096	10,266	9,801
15	17	98.732	54.822,123	1.242.270,287	22,660	22,195	65	67	73.032	5.706,223	56.382,359	9,881	9,416
16	18	98.687	52.689,550	1.187.448,164	22,537	22,072	66	68	71.024	5.335,867	50.676,135	9,497	9,032
17	19	98.620	50.629,060	1.134.758,614	22,413	21,948	67	69	68.868	4.974,909	45.340,268	9,114	8,649
18	20	98.543	48.643,625	1.084.129,554	22,287	21,822	68	70	66.533	4.621,380	40.365,359	8,734	8,270
19	21	98.437	46.722,477	1.035.485,929	22,162	21,698	69	71	64.037	4.276,921	35.743,979	8,357	7,893
20	22	98.334	44.878,292	988.763,452	22,032	21,567	70	72	61.377	3.941,567	31.467,057	7,983	7,519
21	23	98.233	43.107,723	943.885,160	21,896	21,431	71	73	58.551	3.615,504	27.525,491	7,613	7,148
22	24	98.130	41.406,427	900.777,437	21,755	21,290	72	74	55.552	3.298,378	23.909,986	7,249	6,784
23	25	98.029	39.773,046	859.371,009	21,607	21,142	73	75	52.376	2.990,216	20.611,609	6,893	6,428
24	26	97.932	38.205,564	819.597,963	21,452	20,987	74	76	49.040	2.692,038	17.621,393	6,546	6,081
25	27	97.834	36.699,187	781.392,400	21,292	20,827	75	77	45.598	2.406,850	14.929,355	6,203	5,738
26	28	97.734	35.251,591	744.693,213	21,125	20,660	76	78	42.075	2.135,469	12.522,505	5,864	5,399
27	29	97.635	33.861,466	709.441,621	20,951	20,486	77	79	38.495	1.878,598	10.387,036	5,529	5,064
28	30	97.537	32.526,294	675.580,155	20,770	20,305	78	80	34.857	1.635,645	8.508,438	5,202	4,737
29	31	97.433	31.242,062	643.053,861	20,583	20,118	79	81	31.146	1.405,302	6.872,792	4,891	4,426
30	32	97.330	30.008,592	611.811,800	20,388	19,923	80	82	27.451	1.190,960	5.467,490	4,591	4,126
31	33	97.224	28.823,083	581.803,208	20,185	19,721	81	83	23.769	991,543	4.276,530	4,313	3,848
32	34	97.109	27.681,552	552.980,125	19,976	19,512	82	84	20.254	812,418	3.284,987	4,043	3,579
33	35	96.983	26.582,603	525.298,573	19,761	19,296	83	85	16.878	650,964	2.472,569	3,798	3,334
34	36	96.849	25.524,699	498.715,970	19,539	19,074	84	86	13.842	513,339	1.821,606	3,549	3,084
35	37	96.702	24.505,674	473.191,271	19,309	18,845	85	87	11.074	394,895	1.308,266	3,313	2,848
36	38	96.541	23.524,055	448.685,597	19,073	18,609	86	88	8.634	296,025	913,372	3,085	2,621
37	39	96.365	22.577,946	425.161,541	18,831	18,366	87	89	6.505	214,456	617,347	2,879	2,414
38	40	96.171	21.665,983	402.583,595	18,581	18,117	88	90	4.709	149,266	402,891	2,699	2,234
39	41	95.955	20.785,870	380.917,613	18,326	17,861	89	91	3.287	100,193	253,626	2,531	2,067
40	42	95.713	19.935,883	360.131,743	18,064	17,600	90	92	2.191	64,210	153,432	2,390	1,925
41	43	95.440	19.114,584	340.195,859	17,798	17,333	91	93	1.403	39,541	89,222	2,256	1,792
42	44	95.135	18.320,681	321.081,276	17,526	17,061	92	94	857	23,229	49,681	2,139	1,674
43	45	94.793	17.552,719	302.760,595	17,249	16,784	93	95	500	13,018	26,452	2,032	1,567
44	46	94.409	16.809,131	285.207,876	16,967	16,503	94	96	277	6,943	13,434	1,935	1,470
45	47	93.986	16.090,315	268.398,745	16,681	16,216	95	97	146	3,515	6,492	1,847	1,382
46	48	93.515	15.393,856	252.308,430	16,390	15,925	96	98	73	1,685	2,977	1,767	1,302
47	49	93.000	14.720,271	236.914,575	16,094	15,630	97	99	34	0,763	1,292	1,695	1,230
48	50	92.428	14.067,120	222.194,304	15,795	15,330	98	100	15	0,325	0,530	1,629	1,164
49	51	91.818	13.436,821	208.127,184	15,489	15,024	99	101	6	0,130	0,205	1,569	1,104
							100	102	2	0,049	0,074	1,515	1,050

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -3 Jahre

Zinsfuß 4,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	3	99.565	99.564,939	2.383.879,189	23,943	23,478	50	53	90.877	12.787,533	192.396,691	15,046	14,581
1	4	99.094	95.282,386	2.284.314,250	23,974	23,509	51	54	90.141	12.196,144	179.609,158	14,727	14,262
2	5	99.041	91.568,838	2.189.031,864	23,906	23,441	52	55	89.362	11.625,728	167.413,014	14,400	13,935
3	6	99.008	88.017,726	2.097.463,026	23,830	23,365	53	56	88.502	11.070,940	155.787,287	14,072	13,607
4	7	98.981	84.609,193	2.009.445,300	23,750	23,285	54	57	87.592	10.535,755	144.716,347	13,736	13,271
5	8	98.959	81.336,999	1.924.836,107	23,665	23,200	55	58	86.609	10.016,840	134.180,592	13,396	12,931
6	9	98.936	78.190,436	1.843.499,109	23,577	23,112	56	59	85.547	9.513,446	124.163,752	13,051	12,587
7	10	98.918	75.169,492	1.765.308,672	23,484	23,020	57	60	84.446	9.029,767	114.650,305	12,697	12,232
8	11	98.897	72.263,355	1.690.139,181	23,389	22,924	58	61	83.254	8.559,963	105.620,539	12,339	11,874
9	12	98.876	69.469,218	1.617.875,825	23,289	22,824	59	62	81.997	8.106,419	97.060,575	11,973	11,508
10	13	98.859	66.785,402	1.548.406,607	23,185	22,720	60	63	80.624	7.664,168	88.954,156	11,606	11,142
11	14	98.840	64.204,477	1.481.621,205	23,077	22,612	61	64	79.174	7.236,864	81.289,989	11,233	10,768
12	15	98.814	61.718,962	1.417.416,728	22,966	22,501	62	65	77.651	6.824,667	74.053,125	10,851	10,386
13	16	98.783	59.326,804	1.355.697,766	22,851	22,387	63	66	75.980	6.420,915	67.228,457	10,470	10,005
14	17	98.750	57.025,529	1.296.370,961	22,733	22,268	64	67	74.204	6.029,631	60.807,542	10,085	9,620
15	18	98.710	54.810,061	1.239.345,432	22,612	22,147	65	68	72.290	5.648,220	54.777,912	9,698	9,233
16	19	98.658	52.674,397	1.184.535,371	22,488	22,023	66	69	70.212	5.274,838	49.129,692	9,314	8,849
17	20	98.593	50.615,025	1.131.860,974	22,362	21,897	67	70	67.990	4.911,439	43.854,854	8,929	8,464
18	21	98.512	48.628,261	1.081.245,949	22,235	21,770	68	71	65.588	4.555,694	38.943,416	8,548	8,083
19	22	98.413	46.711,045	1.032.617,688	22,106	21,642	69	72	62.999	4.207,583	34.387,722	8,173	7,708
20	23	98.307	44.866,142	985.906,643	21,974	21,510	70	73	60.270	3.870,504	30.180,139	7,797	7,333
21	24	98.207	43.096,476	941.040,501	21,836	21,371	71	74	57.358	3.541,848	26.309,635	7,428	6,963
22	25	98.103	41.395,178	897.944,025	21,692	21,227	72	75	54.288	3.223,301	22.767,787	7,064	6,599
23	26	98.005	39.763,259	856.548,847	21,541	21,076	73	76	51.018	2.912,687	19.544,486	6,710	6,245
24	27	97.905	38.194,868	816.785,588	21,385	20,920	74	77	47.620	2.614,108	16.631,800	6,362	5,898
25	28	97.806	36.688,491	778.590,720	21,222	20,757	75	78	44.115	2.328,549	14.017,692	6,020	5,555
26	29	97.705	35.241,128	741.902,229	21,052	20,587	76	79	40.516	2.056,324	11.689,142	5,684	5,220
27	30	97.607	33.851,555	706.661,101	20,875	20,410	77	80	36.875	1.799,573	9.632,818	5,353	4,888
28	31	97.505	32.515,644	672.809,546	20,692	20,227	78	81	33.159	1.555,966	7.833,245	5,034	4,570
29	32	97.398	31.230,902	640.293,902	20,502	20,037	79	82	29.410	1.326,965	6.277,279	4,731	4,266
30	33	97.295	29.997,922	609.063,000	20,304	19,839	80	83	25.677	1.113,995	4.950,314	4,444	3,979
31	34	97.185	28.811,566	579.065,078	20,098	19,634	81	84	22.066	920,491	3.836,319	4,168	3,703
32	35	97.063	27.668,574	550.253,512	19,887	19,422	82	85	18.626	747,131	2.915,828	3,903	3,438
33	36	96.934	26.568,994	522.584,938	19,669	19,204	83	86	15.413	594,444	2.168,698	3,648	3,183
34	37	96.794	25.510,266	496.015,945	19,444	18,979	84	87	12.447	461,587	1.574,254	3,411	2,946
35	38	96.642	24.490,647	470.505,679	19,212	18,747	85	88	9.769	348,345	1.112,666	3,194	2,729
36	39	96.474	23.507,600	446.015,032	18,973	18,508	86	89	7.498	257,089	764,321	2,973	2,508
37	40	96.288	22.559,878	422.507,432	18,728	18,263	87	90	5.541	182,668	507,231	2,777	2,312
38	41	96.088	21.647,134	399.947,554	18,476	18,011	88	91	3.939	124,866	324,563	2,599	2,134
39	42	95.860	20.765,324	378.300,420	18,218	17,753	89	92	2.671	81,417	199,697	2,453	1,988
40	43	95.605	19.913,462	357.535,097	17,954	17,490	90	93	1.741	51,022	118,280	2,318	1,853
41	44	95.316	19.089,773	337.621,635	17,686	17,221	91	94	1.089	30,684	67,258	2,192	1,727
42	45	95.003	18.295,178	318.531,862	17,411	16,946	92	95	649	17,581	36,573	2,080	1,615
43	46	94.643	17.524,880	300.236,684	17,132	16,667	93	96	368	9,597	18,993	1,979	1,514
44	47	94.239	16.778,942	282.711,804	16,849	16,384	94	97	199	4,979	9,395	1,887	1,422
45	48	93.804	16.059,025	265.932,862	16,560	16,095	95	98	102	2,449	4,416	1,804	1,339
46	49	93.317	15.361,222	249.873,837	16,267	15,802	96	99	49	1,139	1,968	1,728	1,263
47	50	92.776	14.684,843	234.512,615	15,970	15,505	97	100	22	0,500	0,829	1,659	1,194
48	51	92.195	14.031,577	219.827,772	15,667	15,202	98	101	10	0,206	0,329	1,596	1,132
49	52	91.563	13.399,504	205.796,195	15,358	14,894	99	102	4	0,080	0,123	1,540	1,075
							100	103	1	0,029	0,043	1,488	1,023

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -4 Jahre

Zinsfuß 4,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	4	99.548	99.547,849	2.380.597,897	23,914	23,449	50	54	90.590	12.747,156	189.939,746	14,901	14,436
1	5	99.081	95.270,080	2.281.050,048	23,943	23,478	51	55	89.828	12.153,723	177.192,590	14,579	14,114
2	6	99.028	91.556,868	2.185.779,968	23,873	23,409	52	56	89.024	11.581,703	165.038,868	14,250	13,785
3	7	98.999	88.009,615	2.094.223,100	23,795	23,331	53	57	88.146	11.026,493	153.457,165	13,917	13,452
4	8	98.972	84.601,824	2.006.213,484	23,714	23,249	54	58	87.201	10.488,733	142.430,672	13,579	13,115
5	9	98.949	81.329,191	1.921.611,660	23,628	23,163	55	59	86.192	9.968,603	131.941,939	13,236	12,771
6	10	98.929	78.185,384	1.840.282,469	23,537	23,073	56	60	85.112	9.465,082	121.973,336	12,887	12,422
7	11	98.910	75.163,171	1.762.097,085	23,444	22,979	57	61	83.981	8.980,065	112.508,254	12,529	12,064
8	12	98.888	72.256,579	1.686.933,915	23,346	22,882	58	62	82.786	8.511,794	103.528,189	12,163	11,698
9	13	98.868	69.463,318	1.614.677,336	23,245	22,780	59	63	81.481	8.055,406	95.016,396	11,795	11,331
10	14	98.849	66.778,931	1.545.214,018	23,139	22,674	60	64	80.076	7.612,037	86.960,990	11,424	10,959
11	15	98.828	64.196,996	1.478.435,087	23,030	22,565	61	65	78.595	7.183,942	79.348,952	11,045	10,581
12	16	98.796	61.707,935	1.414.238,091	22,918	22,453	62	66	77.017	6.768,928	72.165,011	10,661	10,196
13	17	98.763	59.314,241	1.352.530,156	22,803	22,338	63	67	75.292	6.362,764	65.396,083	10,278	9,813
14	18	98.728	57.012,982	1.293.215,915	22,683	22,218	64	68	73.449	5.968,339	59.033,319	9,891	9,426
15	19	98.681	54.794,298	1.236.202,934	22,561	22,096	65	69	71.463	5.583,618	53.064,980	9,504	9,039
16	20	98.631	52.659,795	1.181.408,635	22,435	21,970	66	70	69.316	5.207,540	47.481,362	9,118	8,653
17	21	98.562	50.599,038	1.128.748,840	22,308	21,843	67	71	67.023	4.841,630	42.273,822	8,731	8,266
18	22	98.488	48.616,363	1.078.149,802	22,177	21,712	68	72	64.524	4.481,836	37.432,192	8,352	7,887
19	23	98.386	46.698,399	1.029.533,439	22,046	21,582	69	73	61.863	4.131,724	32.950,356	7,975	7,510
20	24	98.282	44.854,436	982.835,040	21,912	21,447	70	74	59.042	3.791,653	28.818,632	7,601	7,136
21	25	98.180	43.084,768	937.980,604	21,771	21,306	71	75	56.053	3.461,229	25.026,980	7,231	6,766
22	26	98.079	41.384,992	894.895,836	21,624	21,159	72	76	52.880	3.139,729	21.565,751	6,869	6,404
23	27	97.978	39.752,127	853.510,844	21,471	21,006	73	77	49.542	2.828,369	18.426,022	6,515	6,050
24	28	97.877	38.183,736	813.758,717	21,312	20,847	74	78	46.071	2.529,065	15.597,653	6,167	5,703
25	29	97.776	36.677,601	775.574,981	21,146	20,681	75	79	42.480	2.242,248	13.068,588	5,828	5,364
26	30	97.676	35.230,813	738.897,379	20,973	20,508	76	80	38.812	1.969,822	10.826,340	5,496	5,031
27	31	97.575	33.840,471	703.666,567	20,794	20,329	77	81	35.079	1.711,908	8.856,517	5,173	4,709
28	32	97.470	32.504,029	669.826,096	20,607	20,143	78	82	31.311	1.469,230	7.144,609	4,863	4,398
29	33	97.364	31.219,797	637.322,066	20,414	19,949	79	83	27.509	1.241,211	5.675,379	4,572	4,108
30	34	97.256	29.985,935	606.102,269	20,213	19,748	80	84	23.837	1.034,169	4.434,168	4,288	3,823
31	35	97.140	28.798,059	576.116,334	20,005	19,541	81	85	20.293	846,519	3.399,999	4,016	3,552
32	36	97.013	27.654,409	547.318,276	19,791	19,327	82	86	17.009	682,261	2.553,480	3,743	3,278
33	37	96.879	26.553,970	519.663,866	19,570	19,105	83	87	13.859	534,515	1.871,219	3,501	3,036
34	38	96.735	25.494,623	493.109,897	19,342	18,877	84	88	10.980	407,177	1.336,704	3,283	2,818
35	39	96.575	24.473,515	467.615,274	19,107	18,642	85	89	8.484	302,529	929,527	3,073	2,608
36	40	96.396	23.488,788	443.141,759	18,866	18,401	86	90	6.387	218,982	626,999	2,863	2,398
37	41	96.204	22.540,251	419.652,971	18,618	18,153	87	91	4.635	152,809	408,016	2,670	2,205
38	42	95.993	21.625,736	397.112,720	18,363	17,898	88	92	3.201	101,466	255,207	2,515	2,050
39	43	95.753	20.741,969	375.486,984	18,103	17,638	89	93	2.122	64,695	153,741	2,376	1,912
40	44	95.481	19.887,614	354.745,015	17,837	17,373	90	94	1.351	39,593	89,046	2,249	1,784
41	45	95.184	19.063,199	334.857,401	17,566	17,101	91	95	824	23,224	49,453	2,129	1,665
42	46	94.852	18.266,162	315.794,202	17,288	16,824	92	96	478	12,961	26,229	2,024	1,559
43	47	94.473	17.493,406	297.528,040	17,008	16,543	93	97	264	6,883	13,268	1,928	1,463
44	48	94.056	16.746,313	280.034,634	16,722	16,257	94	98	138	3,469	6,385	1,841	1,376
45	49	93.605	16.024,981	263.288,321	16,430	15,965	95	99	69	1,655	2,916	1,761	1,297
46	50	93.092	15.324,252	247.263,340	16,135	15,671	96	100	32	0,746	1,260	1,690	1,225
47	51	92.542	14.647,740	231.939,089	15,834	15,370	97	101	14	0,317	0,514	1,624	1,159
48	52	91.939	13.992,608	217.291,348	15,529	15,064	98	102	6	0,126	0,198	1,565	1,100
49	53	91.287	13.358,994	203.298,740	15,218	14,753	99	103	2	0,047	0,071	1,511	1,046
							100	104	1	0,017	0,024	1,462	0,997

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -5 Jahre

Zinsfuß 4,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	5	99.535	99.534,992	2.377.086,773	23,882	23,417	50	55	90.275	12.702,818	187.311,697	14,746	14,281
1	6	99.068	95.257,626	2.277.551,781	23,909	23,445	51	56	89.487	12.107,698	174.608,879	14,421	13,956
2	7	99.019	91.548,432	2.182.294,155	23,838	23,373	52	57	88.666	11.535,205	162.501,181	14,087	13,623
3	8	98.990	88.001,951	2.090.745,724	23,758	23,293	53	58	87.753	10.977,281	150.965,975	13,753	13,288
4	9	98.963	84.593,703	2.002.743,773	23,675	23,210	54	59	86.781	10.438,223	139.988,694	13,411	12,946
5	10	98.943	81.323,936	1.918.150,070	23,587	23,122	55	60	85.754	9.917,925	129.550,471	13,062	12,597
6	11	98.921	78.178,809	1.836.826,134	23,495	23,030	56	61	84.644	9.412,984	119.632,547	12,709	12,244
7	12	98.900	75.156,122	1.758.647,325	23,400	22,935	57	62	83.508	8.929,531	110.219,563	12,343	11,878
8	13	98.880	72.250,442	1.683.491,203	23,301	22,836	58	63	82.265	8.458,230	101.290,032	11,975	11,511
9	14	98.858	69.456,588	1.611.240,761	23,198	22,733	59	64	80.926	8.000,615	92.831,803	11,603	11,138
10	15	98.838	66.771,150	1.541.784,173	23,091	22,626	60	65	79.490	7.556,372	84.831,188	11,226	10,762
11	16	98.811	64.185,525	1.475.013,024	22,980	22,516	61	66	77.953	7.125,268	77.274,816	10,845	10,380
12	17	98.775	61.694,867	1.410.827,498	22,868	22,403	62	67	76.320	6.707,624	70.149,548	10,458	9,993
13	18	98.741	59.301,190	1.349.132,631	22,751	22,286	63	68	74.526	6.298,086	63.441,924	10,073	9,608
14	19	98.700	56.996,585	1.289.831,441	22,630	22,165	64	69	72.609	5.900,076	57.143,838	9,685	9,220
15	20	98.654	54.779,109	1.232.834,856	22,506	22,041	65	70	70.552	5.512,381	51.243,762	9,296	8,831
16	21	98.600	52.643,162	1.178.055,747	22,378	21,913	66	71	68.331	5.133,523	45.731,381	8,908	8,444
17	22	98.538	50.586,658	1.125.412,584	22,247	21,782	67	72	65.937	4.763,136	40.597,858	8,523	8,059
18	23	98.461	48.603,201	1.074.825,926	22,114	21,649	68	73	63.361	4.401,032	35.834,722	8,142	7,678
19	24	98.361	46.686,215	1.026.222,726	21,981	21,516	69	74	60.603	4.047,551	31.433,690	7,766	7,301
20	25	98.255	44.842,250	979.536,511	21,844	21,379	70	75	57.698	3.705,348	27.386,139	7,391	6,926
21	26	98.156	43.074,166	934.694,261	21,700	21,235	71	76	54.600	3.371,488	23.680,791	7,024	6,559
22	27	98.052	41.373,406	891.620,095	21,551	21,086	72	77	51.349	3.048,839	20.309,303	6,661	6,197
23	28	97.949	39.740,542	850.246,689	21,395	20,930	73	78	47.930	2.736,355	17.260,464	6,308	5,843
24	29	97.847	38.172,403	810.506,147	21,233	20,768	74	79	44.363	2.435,332	14.524,109	5,964	5,499
25	30	97.748	36.666,866	772.333,744	21,064	20,599	75	80	40.693	2.147,925	12.088,777	5,628	5,163
26	31	97.644	35.219,278	735.666,878	20,888	20,423	76	81	36.921	1.873,864	9.940,851	5,305	4,840
27	32	97.540	33.828,383	700.447,601	20,706	20,241	77	82	33.124	1.616,480	8.066,987	4,990	4,526
28	33	97.435	32.492,472	666.619,218	20,516	20,051	78	83	29.287	1.374,283	6.450,508	4,694	4,229
29	34	97.325	31.207,322	634.126,746	20,320	19,855	79	84	25.538	1.152,269	5.076,225	4,405	3,941
30	35	97.211	29.971,877	602.919,424	20,116	19,651	80	85	21.922	951,061	3.923,956	4,126	3,661
31	36	97.090	28.783,315	572.947,547	19,906	19,441	81	86	18.531	773,020	2.972,895	3,846	3,381
32	37	96.958	27.638,772	544.164,232	19,688	19,224	82	87	15.294	613,479	2.199,875	3,586	3,121
33	38	96.820	26.537,686	516.525,460	19,464	18,999	83	88	12.225	471,508	1.586,396	3,365	2,900
34	39	96.667	25.476,789	489.987,774	19,233	18,768	84	89	9.535	353,622	1.114,888	3,153	2,688
35	40	96.497	24.453,930	464.510,985	18,995	18,531	85	90	7.226	257,686	761,266	2,954	2,489
36	41	96.313	23.468,353	440.057,055	18,751	18,286	86	91	5.343	183,187	503,579	2,749	2,284
37	42	96.109	22.517,970	416.588,702	18,500	18,035	87	92	3.766	124,172	320,392	2,580	2,115
38	43	95.885	21.601,414	394.070,731	18,243	17,778	88	93	2.543	80,626	196,220	2,434	1,969
39	44	95.628	20.715,046	372.469,317	17,981	17,516	89	94	1.647	50,204	115,594	2,302	1,838
40	45	95.348	19.859,930	351.754,272	17,712	17,247	90	95	1.022	29,967	65,390	2,182	1,717
41	46	95.033	19.032,965	331.894,342	17,438	16,973	91	96	608	17,121	35,423	2,069	1,604
42	47	94.682	18.233,356	312.861,377	17,159	16,694	92	97	343	9,295	18,302	1,969	1,504
43	48	94.289	17.459,387	294.628,020	16,875	16,410	93	98	184	4,796	9,007	1,878	1,413
44	49	93.857	16.710,812	277.168,633	16,586	16,121	94	99	94	2,345	4,211	1,796	1,331
45	50	93.379	15.986,413	260.457,821	16,292	15,828	95	100	45	1,084	1,866	1,721	1,256
46	51	92.857	15.285,533	244.471,408	15,994	15,529	96	101	20	0,473	0,782	1,653	1,188
47	52	92.285	14.607,060	229.185,875	15,690	15,225	97	102	9	0,194	0,309	1,591	1,126
48	53	91.661	13.950,306	214.578,815	15,382	14,917	98	103	3	0,075	0,115	1,535	1,070
49	54	90.998	13.316,813	200.628,510	15,066	14,601	99	104	1	0,027	0,040	1,484	1,019
							100	105	0	0,009	0,013	1,437	0,972

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -6 Jahre

Zinsfuß 4,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	6	99.522	99.521,980	2.373.329,650	23,847	23,382	50	56	89.933	12.654,714	184.507,372	14,580	14,115
1	7	99.059	95.248,848	2.273.807,669	23,872	23,407	51	57	89.128	12.059,089	171.852,658	14,251	13,786
2	8	99.010	91.540,459	2.178.558,821	23,799	23,334	52	58	88.271	11.483,723	159.793,569	13,915	13,450
3	9	98.981	87.993,503	2.087.018,362	23,718	23,253	53	59	87.330	10.924,419	148.309,846	13,576	13,111
4	10	98.956	84.588,237	1.999.024,859	23,632	23,168	54	60	86.340	10.385,157	137.385,427	13,229	12,764
5	11	98.935	81.317,097	1.914.436,622	23,543	23,078	55	61	85.282	9.863,334	127.000,270	12,876	12,411
6	12	98.912	78.171,478	1.833.119,525	23,450	22,985	56	62	84.167	9.360,013	117.136,936	12,515	12,050
7	13	98.892	75.149,739	1.754.948,048	23,353	22,888	57	63	82.983	8.873,338	107.776,923	12,146	11,681
8	14	98.870	72.243,442	1.679.798,309	23,252	22,787	58	64	81.705	8.400,698	98.903,585	11,773	11,308
9	15	98.847	69.448,495	1.607.554,867	23,147	22,683	59	65	80.335	7.942,108	90.502,886	11,395	10,931
10	16	98.820	66.759,220	1.538.106,373	23,040	22,575	60	66	78.841	7.494,656	82.560,779	11,016	10,551
11	17	98.790	64.171,933	1.471.347,153	22,928	22,463	61	67	77.247	7.060,737	75.066,123	10,631	10,167
12	18	98.754	61.681,293	1.407.175,220	22,814	22,349	62	68	75.544	6.639,441	68.005,385	10,243	9,778
13	19	98.712	59.284,136	1.345.493,927	22,696	22,231	63	69	73.674	6.226,051	61.365,944	9,856	9,391
14	20	98.672	56.980,786	1.286.209,792	22,573	22,108	64	70	71.683	5.824,802	55.139,893	9,466	9,002
15	21	98.623	54.761,807	1.229.229,006	22,447	21,982	65	71	69.549	5.434,031	49.315,091	9,075	8,610
16	22	98.576	52.630,282	1.174.467,199	22,315	21,851	66	72	67.223	5.050,297	43.881,060	8,689	8,224
17	23	98.511	50.572,962	1.121.836,917	22,183	21,718	67	73	64.748	4.677,261	38.830,763	8,302	7,837
18	24	98.435	48.590,520	1.071.263,955	22,047	21,582	68	74	62.070	4.311,373	34.153,502	7,922	7,457
19	25	98.334	46.673,531	1.022.673,436	21,911	21,446	69	75	59.223	3.955,421	29.842,130	7,545	7,080
20	26	98.231	44.831,216	975.999,904	21,771	21,306	70	76	56.202	3.609,278	25.886,708	7,172	6,707
21	27	98.129	43.062,107	931.168,688	21,624	21,159	71	77	53.019	3.273,889	22.277,431	6,805	6,340
22	28	98.023	41.361,349	888.106,581	21,472	21,007	72	78	49.679	2.949,652	19.003,541	6,443	5,978
23	29	97.920	39.728,746	846.745,233	21,313	20,848	73	79	46.153	2.634,940	16.053,889	6,093	5,628
24	30	97.819	38.161,229	807.016,487	21,148	20,683	74	80	42.497	2.332,887	13.418,949	5,752	5,287
25	31	97.716	36.654,860	768.855,257	20,976	20,511	75	81	38.711	2.043,291	11.086,062	5,426	4,961
26	32	97.610	35.206,697	732.200,397	20,797	20,332	76	82	34.863	1.769,407	9.042,771	5,111	4,646
27	33	97.505	33.816,354	696.993,700	20,611	20,146	77	83	30.983	1.512,016	7.273,364	4,810	4,346
28	34	97.396	32.479,489	663.177,346	20,418	19,954	78	84	27.188	1.275,804	5.761,348	4,516	4,051
29	35	97.279	31.192,691	630.697,857	20,219	19,755	79	85	23.486	1.059,671	4.485,543	4,233	3,768
30	36	97.161	29.956,533	599.505,166	20,013	19,548	80	86	20.018	868,486	3.425,873	3,945	3,480
31	37	97.035	28.767,039	569.548,633	19,799	19,334	81	87	16.663	695,089	2.557,387	3,679	3,214
32	38	96.899	27.621,823	540.781,594	19,578	19,113	82	88	13.492	541,164	1.862,299	3,441	2,976
33	39	96.752	26.519,123	513.159,770	19,351	18,886	83	89	10.617	409,492	1.321,135	3,226	2,761
34	40	96.590	25.456,401	486.640,647	19,117	18,652	84	90	8.122	301,206	911,643	3,027	2,562
35	41	96.413	24.432,656	461.184,247	18,876	18,411	85	91	6.045	215,564	610,436	2,832	2,367
36	42	96.217	23.445,155	436.751,591	18,629	18,164	86	92	4.341	148,858	394,872	2,653	2,188
37	43	96.001	22.492,645	413.306,436	18,375	17,910	87	93	2.993	98,669	246,014	2,493	2,029
38	44	95.760	21.573,375	390.813,791	18,116	17,651	88	94	1.974	62,567	147,345	2,355	1,890
39	45	95.495	20.686,210	369.240,416	17,850	17,385	89	95	1.247	37,997	84,779	2,231	1,766
40	46	95.197	19.828,432	348.554,206	17,579	17,114	90	96	754	22,092	46,782	2,118	1,653
41	47	94.862	18.998,782	328.725,774	17,302	16,838	91	97	436	12,279	24,689	2,011	1,546
42	48	94.498	18.197,899	309.726,992	17,020	16,555	92	98	239	6,476	12,411	1,916	1,451
43	49	94.089	17.422,374	291.529,093	16,733	16,268	93	99	124	3,242	5,934	1,831	1,366
44	50	93.631	16.670,594	274.106,719	16,443	15,978	94	100	61	1,536	2,692	1,753	1,288
45	51	93.144	15.946,021	257.436,125	16,144	15,679	95	101	29	0,687	1,156	1,682	1,217
46	52	92.599	15.243,081	241.490,104	15,843	15,378	96	102	13	0,290	0,469	1,617	1,153
47	53	92.006	14.562,900	226.247,022	15,536	15,071	97	103	5	0,115	0,179	1,559	1,094
48	54	91.371	13.906,257	211.684,123	15,222	14,757	98	104	2	0,043	0,064	1,506	1,041
49	55	90.682	13.270,493	197.777,866	14,904	14,439	99	105	1	0,015	0,022	1,457	0,992
							100	106					

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -7 Jahre

Zinsfuß 4,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	7	99.513	99.512,810	2.369.314,828	23,809	23,344	50	57	89.572	12.603,909	181.521,739	14,402	13,937
1	8	99.050	95.240,553	2.269.802,018	23,832	23,367	51	58	88.730	12.005,268	168.917,830	14,070	13,605
2	9	99.001	91.531,671	2.174.561,465	23,757	23,293	52	59	87.846	11.428,421	156.912,561	13,730	13,265
3	10	98.974	87.987,817	2.083.029,793	23,674	23,209	53	60	86.886	10.868,881	145.484,140	13,385	12,921
4	11	98.948	84.581,124	1.995.041,976	23,587	23,122	54	61	85.865	10.327,995	134.615,259	13,034	12,569
5	12	98.925	81.309,471	1.910.460,853	23,496	23,031	55	62	84.802	9.807,829	124.287,264	12,672	12,207
6	13	98.903	78.164,839	1.829.151,381	23,401	22,936	56	63	83.638	9.301,112	114.479,434	12,308	11,843
7	14	98.882	75.142,458	1.750.986,543	23,302	22,837	57	64	82.418	8.812,983	105.178,323	11,934	11,470
8	15	98.859	72.235,023	1.675.844,085	23,200	22,735	58	65	81.108	8.339,265	96.365,340	11,556	11,091
9	16	98.829	69.436,086	1.603.609,062	23,095	22,630	59	66	79.679	7.877,241	88.026,074	11,175	10,710
10	17	98.799	66.745,082	1.534.172,975	22,986	22,521	60	67	78.127	7.426,780	80.148,833	10,792	10,327
11	18	98.768	64.157,814	1.467.427,894	22,872	22,407	61	68	76.462	6.988,965	72.722,053	10,405	9,940
12	19	98.725	61.663,554	1.403.270,080	22,757	22,292	62	69	74.680	6.563,502	65.733,088	10,015	9,550
13	20	98.685	59.267,702	1.341.606,526	22,636	22,172	63	70	72.734	6.146,618	59.169,585	9,626	9,162
14	21	98.641	56.962,788	1.282.338,824	22,512	22,047	64	71	70.664	5.742,011	53.022,967	9,234	8,769
15	22	98.599	54.748,408	1.225.376,036	22,382	21,917	65	72	68.421	5.345,933	47.280,956	8,844	8,379
16	23	98.549	52.616,033	1.170.627,628	22,248	21,784	66	73	66.011	4.959,244	41.935,023	8,456	7,991
17	24	98.485	50.559,767	1.118.011,595	22,113	21,648	67	74	63.429	4.581,974	36.975,779	8,070	7,605
18	25	98.409	48.577,319	1.067.451,828	21,974	21,509	68	75	60.657	4.213,239	32.393,805	7,689	7,224
19	26	98.310	46.662,047	1.018.874,510	21,835	21,370	69	76	57.688	3.852,867	28.180,566	7,314	6,849
20	27	98.203	44.818,665	972.212,463	21,692	21,227	70	77	54.575	3.504,795	24.327,699	6,941	6,476
21	28	98.100	43.049,557	927.393,798	21,542	21,078	71	78	51.294	3.167,381	20.822,904	6,574	6,109
22	29	97.994	41.349,072	884.344,241	21,387	20,922	72	79	47.838	2.840,332	17.655,523	6,216	5,751
23	30	97.891	39.717,117	842.995,169	21,225	20,760	73	80	44.212	2.524,098	14.815,191	5,869	5,405
24	31	97.787	38.148,735	803.278,052	21,056	20,592	74	81	40.427	2.219,242	12.291,093	5,538	5,074
25	32	97.681	36.641,767	765.129,317	20,881	20,417	75	82	36.553	1.929,390	10.071,851	5,220	4,755
26	33	97.575	35.194,178	728.487,550	20,699	20,234	76	83	32.610	1.655,061	8.142,461	4,920	4,455
27	34	97.466	33.802,842	693.293,372	20,510	20,045	77	84	28.763	1.403,668	6.487,400	4,622	4,157
28	35	97.351	32.464,262	659.490,530	20,314	19,850	78	85	25.004	1.173,279	5.083,732	4,333	3,868
29	36	97.229	31.176,722	627.026,269	20,112	19,647	79	86	21.447	967,665	3.910,453	4,041	3,576
30	37	97.106	29.939,594	595.849,546	19,902	19,437	80	87	18.000	780,930	2.942,788	3,768	3,303
31	38	96.976	28.749,399	565.909,953	19,684	19,219	81	88	14.698	613,153	2.161,858	3,526	3,061
32	39	96.831	27.602,501	537.160,554	19,461	18,996	82	89	11.717	469,986	1.548,705	3,295	2,830
33	40	96.674	26.497,901	509.558,053	19,230	18,765	83	90	9.044	348,795	1.078,719	3,093	2,628
34	41	96.506	25.434,254	483.060,152	18,993	18,528	84	91	6.794	251,971	729,924	2,897	2,432
35	42	96.318	24.408,504	457.625,898	18,749	18,284	85	92	4.912	175,168	477,953	2,729	2,264
36	43	96.109	23.418,787	433.217,393	18,499	18,034	86	93	3.450	118,284	302,786	2,560	2,095
37	44	95.876	22.463,449	409.798,607	18,243	17,778	87	94	2.322	76,568	184,502	2,410	1,945
38	45	95.627	21.543,345	387.335,158	17,979	17,515	88	95	1.494	47,354	107,934	2,279	1,814
39	46	95.344	20.653,402	365.791,813	17,711	17,246	89	96	919	28,012	60,580	2,163	1,698
40	47	95.026	19.792,820	345.138,411	17,438	16,973	90	97	541	15,844	32,567	2,056	1,591
41	48	94.678	18.961,836	325.345,591	17,158	16,693	91	98	304	8,555	16,724	1,955	1,490
42	49	94.297	18.159,320	306.383,754	16,872	16,407	92	99	162	4,378	8,168	1,866	1,401
43	50	93.863	17.380,444	288.224,434	16,583	16,118	93	100	82	2,124	3,790	1,785	1,320
44	51	93.394	16.628,474	270.843,990	16,288	15,823	94	101	39	0,974	1,666	1,711	1,246
45	52	92.885	15.901,735	254.215,517	15,987	15,522	95	102	17	0,421	0,693	1,644	1,179
46	53	92.319	15.196,998	238.313,782	15,682	15,217	96	103	7	0,171	0,271	1,583	1,119
47	54	91.715	14.516,917	223.116,783	15,369	14,905	97	104	3	0,065	0,100	1,528	1,063
48	55	91.054	13.857,888	208.599,867	15,053	14,588	98	105	1	0,023	0,035	1,478	1,013
49	56	90.339	13.220,240	194.741,979	14,731	14,266	99	106					
							100	107					

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -8 Jahre

Zinsfuß 4,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	8	99.504	99.504,143	2.365.026,495	23,768	23,303	50	58	89.172	12.547,657	178.348,987	14,214	13,749
1	9	99.041	95.231,411	2.265.522,352	23,790	23,325	51	59	88.303	11.947,456	165.801,330	13,878	13,413
2	10	98.994	91.525,757	2.170.290,941	23,712	23,248	52	60	87.399	11.370,322	153.853,874	13,531	13,066
3	11	98.966	87.980,418	2.078.765,184	23,628	23,163	53	61	86.408	10.809,056	142.483,553	13,182	12,717
4	12	98.939	84.573,192	1.990.784,766	23,539	23,074	54	62	85.382	10.269,876	131.674,497	12,821	12,357
5	13	98.917	81.302,566	1.906.211,574	23,446	22,981	55	63	84.268	9.746,110	121.404,621	12,457	11,992
6	14	98.894	78.157,265	1.824.909,009	23,349	22,884	56	64	83.069	9.237,847	111.658,511	12,087	11,622
7	15	98.871	75.133,702	1.746.751,743	23,249	22,784	57	65	81.816	8.748,535	102.420,664	11,707	11,242
8	16	98.841	72.222,117	1.671.618,042	23,146	22,681	58	66	80.445	8.271,156	93.672,129	11,325	10,860
9	17	98.808	69.421,382	1.599.395,925	23,039	22,574	59	67	78.957	7.805,901	85.400,973	10,941	10,476
10	18	98.777	66.730,396	1.529.974,543	22,928	22,463	60	68	77.333	7.351,287	77.595,073	10,555	10,090
11	19	98.740	64.139,362	1.463.244,147	22,814	22,349	61	69	75.588	6.909,056	70.243,786	10,167	9,702
12	20	98.698	61.646,460	1.399.104,784	22,696	22,231	62	70	73.727	6.479,764	63.334,757	9,774	9,309
13	21	98.654	59.248,982	1.337.458,324	22,574	22,109	63	71	71.700	6.059,253	56.854,993	9,383	8,918
14	22	98.617	56.948,851	1.278.209,342	22,445	21,980	64	72	69.518	5.648,920	50.795,740	8,992	8,527
15	23	98.572	54.733,585	1.221.260,491	22,313	21,848	65	73	67.188	5.249,550	45.146,820	8,600	8,135
16	24	98.523	52.602,305	1.166.526,906	22,176	21,712	66	74	64.666	4.858,213	39.897,270	8,212	7,748
17	25	98.459	50.546,031	1.113.924,601	22,038	21,573	67	75	61.985	4.477,680	35.039,057	7,825	7,360
18	26	98.385	48.565,365	1.063.378,570	21,896	21,431	68	76	59.085	4.104,000	30.561,377	7,447	6,982
19	27	98.282	46.648,983	1.014.813,204	21,754	21,289	69	77	56.018	3.741,333	26.457,377	7,072	6,607
20	28	98.175	44.805,604	968.164,221	21,608	21,143	70	78	52.800	3.390,775	22.716,044	6,699	6,235
21	29	98.071	43.036,779	923.358,618	21,455	20,990	71	79	49.393	3.049,992	19.325,269	6,336	5,871
22	30	97.965	41.336,968	880.321,838	21,296	20,831	72	80	45.825	2.720,850	16.275,277	5,982	5,517
23	31	97.859	39.704,113	838.984,870	21,131	20,666	73	81	42.058	2.401,139	13.554,427	5,645	5,180
24	32	97.752	38.135,108	799.280,757	20,959	20,494	74	82	38.173	2.095,533	11.153,289	5,322	4,858
25	33	97.646	36.628,738	761.145,649	20,780	20,315	75	83	34.191	1.804,705	9.057,756	5,019	4,554
26	34	97.536	35.180,115	724.516,911	20,595	20,130	76	84	30.273	1.536,463	7.253,051	4,721	4,256
27	35	97.420	33.786,995	689.336,796	20,402	19,938	77	85	26.451	1.290,867	5.716,589	4,428	3,964
28	36	97.301	32.447,641	655.549,801	20,203	19,738	78	86	22.833	1.071,409	4.425,721	4,131	3,666
29	37	97.174	31.159,093	623.102,160	19,997	19,533	79	87	19.284	870,110	3.354,312	3,855	3,390
30	38	97.046	29.921,234	591.943,067	19,783	19,319	80	88	15.878	688,876	2.484,202	3,606	3,141
31	39	96.908	28.729,288	562.021,833	19,563	19,098	81	89	12.765	532,507	1.795,326	3,371	2,907
32	40	96.754	27.580,412	533.292,545	19,336	18,871	82	90	9.980	400,323	1.262,819	3,155	2,690
33	41	96.590	26.474,848	505.712,132	19,102	18,637	83	91	7.565	291,780	862,496	2,956	2,491
34	42	96.410	25.409,113	479.237,284	18,861	18,396	84	92	5.521	204,751	570,716	2,787	2,323
35	43	96.210	24.381,053	453.828,172	18,614	18,149	85	93	3.903	139,190	365,965	2,629	2,164
36	44	95.984	23.388,389	429.447,119	18,362	17,897	86	94	2.677	91,789	226,775	2,471	2,006
37	45	95.743	22.432,180	406.058,730	18,102	17,637	87	95	1.758	57,951	134,985	2,329	1,864
38	46	95.475	21.509,177	383.626,551	17,835	17,371	88	96	1.101	34,911	77,034	2,207	1,742
39	47	95.172	20.616,309	362.117,374	17,565	17,100	89	97	659	20,089	42,124	2,097	1,632
40	48	94.841	19.754,330	341.501,065	17,287	16,823	90	98	377	11,039	22,034	1,996	1,531
41	49	94.477	18.921,638	321.746,735	17,004	16,539	91	99	205	5,783	10,995	1,901	1,436
42	50	94.070	18.115,616	302.825,096	16,716	16,251	92	100	106	2,868	5,212	1,817	1,352
43	51	93.626	17.336,530	284.709,480	16,423	15,958	93	101	52	1,346	2,344	1,741	1,276
44	52	93.135	16.582,292	267.372,951	16,124	15,659	94	102	24	0,597	0,997	1,671	1,207
45	53	92.604	15.853,661	250.790,658	15,819	15,354	95	103	10	0,249	0,401	1,608	1,143
46	54	92.028	15.149,013	234.936,998	15,508	15,044	96	104	4	0,098	0,152	1,551	1,086
47	55	91.396	14.466,423	219.787,984	15,193	14,728	97	105	2	0,036	0,054	1,498	1,034
48	56	90.709	13.805,410	205.321,561	14,873	14,408	98	106					
49	57	89.976	13.167,164	191.516,151	14,545	14,080	99	107					
							100	108					

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -9 Jahre

Zinsfuß 4,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	9	99.495	99.494,592	2.360.452,209	23,724	23,260	50	59	88.743	12.487,232	174.986,483	14,013	13,548
1	10	99.034	95.225,257	2.260.957,617	23,743	23,278	51	60	87.854	11.886,717	162.499,251	13,671	13,206
2	11	98.986	91.518,060	2.165.732,360	23,665	23,200	52	61	86.918	11.307,737	150.612,534	13,319	12,855
3	12	98.957	87.972,168	2.074.214,300	23,578	23,113	53	62	85.922	10.748,230	139.304,797	12,961	12,496
4	13	98.930	84.566,009	1.986.242,132	23,487	23,023	54	63	84.845	10.205,248	128.556,568	12,597	12,132
5	14	98.907	81.294,688	1.901.676,123	23,392	22,928	55	64	83.695	9.679,818	118.351,319	12,227	11,762
6	15	98.882	78.148,158	1.820.381,435	23,294	22,829	56	65	82.461	9.170,292	108.671,501	11,850	11,386
7	16	98.853	75.120,278	1.742.233,277	23,193	22,750	57	66	81.147	8.677,083	99.501,209	11,467	11,002
8	17	98.820	72.206,822	1.667.112,999	23,088	22,623	58	67	79.717	8.196,247	90.824,126	11,081	10,616
9	18	98.787	69.406,107	1.594.906,177	22,979	22,515	59	68	78.154	7.726,554	82.627,879	10,694	10,229
10	19	98.749	66.711,205	1.525.500,069	22,867	22,402	60	69	76.448	7.267,206	74.901,325	10,307	9,842
11	20	98.712	64.121,582	1.458.788,864	22,750	22,286	61	70	74.623	6.820,882	67.634,119	9,916	9,451
12	21	98.667	61.626,989	1.394.667,282	22,631	22,166	62	71	72.679	6.387,664	60.813,237	9,520	9,056
13	22	98.630	59.234,485	1.333.040,293	22,504	22,040	63	72	70.538	5.961,019	54.425,574	9,130	8,665
14	23	98.590	56.933,432	1.273.805,807	22,374	21,909	64	73	68.265	5.547,075	48.464,555	8,737	8,272
15	24	98.546	54.719,305	1.216.872,375	22,238	21,774	65	74	65.819	5.142,604	42.917,480	8,345	7,881
16	25	98.496	52.588,014	1.162.153,070	22,099	21,634	66	75	63.194	4.747,632	37.774,875	7,957	7,492
17	26	98.434	50.533,593	1.109.565,056	21,957	21,492	67	76	60.378	4.361,585	33.027,244	7,572	7,107
18	27	98.357	48.551,769	1.059.031,462	21,812	21,348	68	77	57.374	3.985,196	28.665,659	7,193	6,728
19	28	98.254	46.635,388	1.010.479,693	21,668	21,203	69	78	54.195	3.619,618	24.680,463	6,819	6,354
20	29	98.145	44.792,304	963.844,305	21,518	21,053	70	79	50.843	3.265,106	21.060,845	6,450	5,985
21	30	98.042	43.024,182	919.052,001	21,361	20,896	71	80	47.315	2.921,690	17.795,739	6,091	5,626
22	31	97.933	41.323,434	876.027,819	21,199	20,734	72	81	43.593	2.588,306	14.874,049	5,747	5,282
23	32	97.824	39.689,930	834.704,385	21,031	20,566	73	82	39.714	2.267,290	12.285,743	5,419	4,954
24	33	97.717	38.121,548	795.014,454	20,855	20,390	74	83	35.707	1.960,111	10.018,453	5,111	4,646
25	34	97.607	36.614,102	756.892,907	20,672	20,207	75	84	31.741	1.675,383	8.058,342	4,810	4,345
26	35	97.490	35.163,622	720.278,805	20,484	20,019	76	85	27.840	1.412,990	6.382,959	4,517	4,053
27	36	97.370	33.769,697	685.115,182	20,288	19,823	77	86	24.155	1.178,788	4.969,969	4,216	3,751
28	37	97.246	32.429,293	651.345,485	20,085	19,620	78	87	20.531	963,396	3.791,181	3,935	3,470
29	38	97.115	31.139,986	618.916,192	19,875	19,410	79	88	17.011	767,544	2.827,785	3,684	3,219
30	39	96.979	29.900,304	587.776,206	19,658	19,193	80	89	13.790	598,270	2.060,241	3,444	2,979
31	40	96.830	28.706,297	557.875,902	19,434	18,969	81	90	10.873	453,576	1.461,971	3,223	2,758
32	41	96.670	27.556,418	529.169,605	19,203	18,738	82	91	8.349	334,885	1.008,395	3,011	2,546
33	42	96.495	26.448,678	501.613,187	18,966	18,501	83	92	6.148	237,101	673,510	2,841	2,376
34	43	96.302	25.380,536	475.164,509	18,722	18,257	84	93	4.387	162,697	436,409	2,682	2,218
35	44	96.085	24.349,406	449.783,974	18,472	18,007	85	94	3.029	108,013	273,712	2,534	2,069
36	45	95.851	23.355,832	425.434,568	18,215	17,751	86	95	2.026	69,472	165,699	2,385	1,920
37	46	95.591	22.396,602	402.078,736	17,953	17,488	87	96	1.296	42,723	96,228	2,252	1,788
38	47	95.304	21.470,547	379.682,134	17,684	17,219	88	97	790	25,037	53,505	2,137	1,672
39	48	94.987	20.576,217	358.211,587	17,409	16,944	89	98	459	13,997	28,468	2,034	1,569
40	49	94.640	19.712,453	337.635,370	17,128	16,663	90	99	255	7,463	14,471	1,939	1,474
41	50	94.250	18.876,099	317.922,917	16,843	16,378	91	100	134	3,789	7,008	1,850	1,385
42	51	93.833	18.069,845	299.046,818	16,549	16,085	92	101	67	1,818	3,219	1,771	1,306
43	52	93.366	17.288,382	280.976,974	16,252	15,788	93	102	32	0,825	1,401	1,699	1,234
44	53	92.853	16.532,161	263.688,592	15,950	15,485	94	103	14	0,353	0,576	1,633	1,168
45	54	92.312	15.803,602	247.156,431	15,639	15,174	95	104	6	0,142	0,223	1,574	1,109
46	55	91.707	15.096,321	231.352,829	15,325	14,860	96	105	2	0,054	0,081	1,519	1,055
47	56	91.050	14.411,641	216.256,508	15,006	14,541	97	106					
48	57	90.345	13.749,985	201.844,866	14,680	14,215	98	107					
49	58	89.574	13.108,398	188.094,882	14,349	13,884	99	108					
							100	109					

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -10 Jahre

Zinsfuß 4,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	10	99.488	99.488,163	2.355.581,015	23,677	23,212	50	60	88.292	12.423,750	171.430,703	13,799	13,334
1	11	99.026	95.217,250	2.256.092,852	23,694	23,229	51	61	87.371	11.821,290	159.006,953	13,451	12,986
2	12	98.977	91.509,478	2.160.875,603	23,614	23,149	52	62	86.429	11.244,104	147.185,664	13,090	12,625
3	13	98.948	87.964,696	2.069.366,125	23,525	23,060	53	63	85.381	10.680,592	135.941,560	12,728	12,263
4	14	98.921	84.557,815	1.981.401,429	23,433	22,968	54	64	84.267	10.135,834	125.260,967	12,358	11,893
5	15	98.896	81.285,215	1.896.843,613	23,336	22,871	55	65	83.083	9.609,032	115.125,133	11,981	11,516
6	16	98.865	78.134,195	1.815.558,398	23,236	22,772	56	66	81.788	9.095,395	105.516,102	11,601	11,136
7	17	98.832	75.104,369	1.737.424,203	23,133	22,669	57	67	80.412	8.598,498	96.420,707	11,214	10,749
8	18	98.798	72.190,935	1.662.319,834	23,027	22,562	58	68	78.906	8.112,932	87.822,209	10,825	10,360
9	19	98.758	69.386,147	1.590.128,898	22,917	22,452	59	69	77.260	7.638,181	79.709,276	10,436	9,971
10	20	98.722	66.692,713	1.520.742,751	22,802	22,337	60	70	75.473	7.174,490	72.071,096	10,045	9,581
11	21	98.681	64.101,329	1.454.050,039	22,684	22,219	61	71	73.563	6.723,933	64.896,606	9,652	9,187
12	22	98.643	61.611,911	1.389.948,710	22,560	22,095	62	72	71.501	6.284,105	58.172,673	9,257	8,792
13	23	98.603	59.218,448	1.328.336,799	22,431	21,966	63	73	69.266	5.853,547	51.888,568	8,864	8,400
14	24	98.565	56.918,578	1.269.118,351	22,297	21,832	64	74	66.874	5.434,068	46.035,021	8,472	8,007
15	25	98.520	54.704,439	1.212.199,773	22,159	21,694	65	75	64.321	5.025,550	40.600,953	8,079	7,614
16	26	98.472	52.575,074	1.157.495,334	22,016	21,551	66	76	61.556	4.624,537	35.575,403	7,693	7,228
17	27	98.407	50.519,446	1.104.920,260	21,871	21,406	67	77	58.630	4.235,325	30.950,866	7,308	6,843
18	28	98.328	48.537,620	1.054.400,813	21,723	21,259	68	78	55.508	3.855,547	26.715,541	6,929	6,464
19	29	98.225	46.621,546	1.005.863,194	21,575	21,110	69	79	52.187	3.485,467	22.859,994	6,559	6,094
20	30	98.117	44.779,193	959.241,648	21,422	20,957	70	80	48.704	3.127,755	19.374,527	6,194	5,730
21	31	98.010	43.010,095	914.462,455	21,262	20,797	71	81	45.010	2.779,362	16.246,771	5,846	5,381
22	32	97.898	41.308,673	871.452,360	21,096	20,631	72	82	41.163	2.444,023	13.467,409	5,510	5,046
23	33	97.790	39.675,818	830.143,687	20,923	20,458	73	83	37.147	2.120,768	11.023,386	5,198	4,733
24	34	97.678	38.106,315	790.467,869	20,744	20,279	74	84	33.148	1.819,653	8.902,618	4,892	4,428
25	35	97.561	36.596,936	752.361,554	20,558	20,093	75	85	29.190	1.540,747	7.082,964	4,597	4,132
26	36	97.440	35.145,620	715.764,618	20,366	19,901	76	86	25.423	1.290,308	5.542,217	4,295	3,830
27	37	97.315	33.750,602	680.618,998	20,166	19,701	77	87	21.720	1.059,949	4.251,910	4,011	3,547
28	38	97.186	32.409,407	646.868,396	19,959	19,494	78	88	18.111	849,833	3.191,960	3,756	3,291
29	39	97.047	31.118,203	614.458,989	19,746	19,281	79	89	14.774	666,591	2.342,127	3,514	3,049
30	40	96.901	29.876,376	583.340,786	19,525	19,060	80	90	11.746	509,591	1.675,536	3,288	2,823
31	41	96.746	28.681,323	553.464,410	19,297	18,832	81	91	9.096	379,434	1.165,945	3,073	2,608
32	42	96.574	27.529,179	524.783,087	19,063	18,598	82	92	6.784	272,128	786,511	2,890	2,425
33	43	96.386	26.418,932	497.253,908	18,822	18,357	83	93	4.885	188,403	514,383	2,730	2,265
34	44	96.177	25.347,591	470.834,976	18,575	18,110	84	94	3.404	126,255	325,981	2,582	2,117
35	45	95.951	24.315,511	445.487,385	18,321	17,856	85	95	2.293	81,750	199,726	2,443	1,978
36	46	95.699	23.318,789	421.171,874	18,061	17,597	86	96	1.494	51,216	117,976	2,303	1,839
37	47	95.419	22.356,378	397.853,084	17,796	17,331	87	97	929	30,639	66,760	2,179	1,714
38	48	95.118	21.428,794	375.496,706	17,523	17,058	88	98	550	17,444	36,120	2,071	1,606
39	49	94.786	20.532,597	354.067,912	17,244	16,779	89	99	310	9,463	18,676	1,974	1,509
40	50	94.412	19.665,010	333.535,315	16,961	16,496	90	100	167	4,889	9,214	1,885	1,420
41	51	94.011	18.828,406	313.870,305	16,670	16,205	91	101	85	2,402	4,325	1,801	1,336
42	52	93.572	18.019,660	295.041,899	16,373	15,909	92	102	41	1,114	1,923	1,726	1,261
43	53	93.084	17.236,116	277.022,238	16,072	15,607	93	103	19	0,488	0,809	1,659	1,194
44	54	92.560	16.479,960	259.786,123	15,764	15,299	94	104	8	0,201	0,321	1,597	1,132
45	55	91.991	15.748,634	243.306,163	15,449	14,985	95	105	3	0,078	0,120	1,541	1,076
46	56	91.360	15.039,154	227.557,530	15,131	14,666	96	106					
47	57	90.685	14.353,782	212.518,376	14,806	14,341	97	107					
48	58	89.941	13.688,618	198.164,594	14,477	14,012	98	108					
49	59	89.143	13.045,273	184.475,976	14,141	13,676	99	109					
							100	110					

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -11 Jahre

Zinsfuß 4,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	11	99.480	99.479,797	2.350.397,856	23,627	23,162	50	61	87.806	12.355,366	167.677,349	13,571	13,106
1	12	99.017	95.208,320	2.250.918,059	23,642	23,177	51	62	86.879	11.754,767	155.321,983	13,214	12,749
2	13	98.968	91.501,706	2.155.709,739	23,559	23,094	52	63	85.885	11.173,346	143.567,216	12,849	12,384
3	14	98.939	87.956,173	2.064.208,033	23,469	23,004	53	64	84.800	10.607,945	132.393,870	12,481	12,016
4	15	98.909	84.547,962	1.976.251,859	23,374	22,910	54	65	83.651	10.061,712	121.785,925	12,104	11,639
5	16	98.878	81.270,692	1.891.703,897	23,277	22,812	55	66	82.405	9.530,551	111.724,213	11,723	11,258
6	17	98.844	78.117,648	1.810.433,205	23,176	22,711	56	67	81.047	9.013,022	102.193,662	11,338	10,874
7	18	98.810	75.087,845	1.732.315,556	23,071	22,606	57	68	79.595	8.511,094	93.180,640	10,948	10,483
8	19	98.770	72.170,174	1.657.227,712	22,963	22,498	58	69	78.004	8.020,140	84.669,545	10,557	10,092
9	20	98.731	69.366,913	1.585.057,538	22,850	22,386	59	70	76.275	7.540,731	76.649,405	10,165	9,700
10	21	98.690	66.671,647	1.515.690,625	22,734	22,269	60	71	74.400	7.072,515	69.108,674	9,771	9,307
11	22	98.657	64.085,645	1.449.018,978	22,611	22,146	61	72	72.370	6.614,923	62.036,159	9,378	8,913
12	23	98.616	61.595,230	1.384.933,333	22,484	22,020	62	73	70.212	6.170,808	55.421,236	8,981	8,516
13	24	98.577	59.202,998	1.323.338,103	22,353	21,888	63	74	67.855	5.734,296	49.250,428	8,589	8,124
14	25	98.538	56.903,115	1.264.135,105	22,216	21,751	64	75	65.352	5.310,379	43.516,132	8,195	7,730
15	26	98.495	54.690,978	1.207.231,991	22,074	21,609	65	76	62.653	4.895,250	38.205,753	7,805	7,340
16	27	98.445	52.560,355	1.152.541,013	21,928	21,463	66	77	59.774	4.490,665	33.310,503	7,418	6,953
17	28	98.378	50.504,723	1.099.980,657	21,780	21,315	67	78	56.723	4.097,539	28.819,838	7,033	6,569
18	29	98.299	48.523,213	1.049.475,934	21,628	21,164	68	79	53.450	3.712,653	24.722,299	6,659	6,194
19	30	98.196	46.607,899	1.000.952,722	21,476	21,011	69	80	49.992	3.338,847	21.009,647	6,292	5,828
20	31	98.085	44.764,532	954.344,822	21,319	20,854	70	81	46.332	2.975,389	17.670,799	5,939	5,474
21	32	97.975	42.994,731	909.580,291	21,156	20,691	71	82	42.501	2.624,429	14.695,411	5,599	5,135
22	33	97.863	41.293,984	866.585,559	20,986	20,521	72	83	38.503	2.286,081	12.070,981	5,280	4,815
23	34	97.751	39.659,964	825.291,575	20,809	20,344	73	84	34.485	1.968,798	9.784,901	4,970	4,505
24	35	97.632	38.088,450	785.631,610	20,627	20,162	74	85	30.484	1.673,423	7.816,102	4,671	4,206
25	36	97.511	36.578,200	747.543,160	20,437	19,972	75	86	26.655	1.406,972	6.142,679	4,366	3,901
26	37	97.385	35.125,747	710.964,960	20,241	19,776	76	87	22.860	1.160,226	4.735,707	4,082	3,617
27	38	97.256	33.729,905	675.839,213	20,037	19,572	77	88	19.159	935,005	3.575,481	3,824	3,359
28	39	97.118	32.386,736	642.109,308	19,826	19,361	78	89	15.729	738,057	2.640,476	3,578	3,113
29	40	96.969	31.093,300	609.722,572	19,609	19,145	79	90	12.584	567,786	1.902,419	3,351	2,886
30	41	96.817	29.850,384	578.629,271	19,384	18,919	80	91	9.826	426,293	1.334,633	3,131	2,666
31	42	96.650	28.652,972	548.778,887	19,153	18,688	81	92	7.391	308,328	908,341	2,946	2,481
32	43	96.465	27.498,217	520.125,915	18,915	18,450	82	93	5.391	216,235	600,013	2,775	2,310
33	44	96.261	26.384,640	492.627,698	18,671	18,206	83	94	3.791	146,202	383,777	2,625	2,160
34	45	96.043	25.312,307	466.243,058	18,420	17,955	84	95	2.577	95,557	237,575	2,486	2,021
35	46	95.799	24.276,947	440.930,751	18,163	17,698	85	96	1.690	60,268	142,018	2,356	1,892
36	47	95.527	23.276,909	416.653,804	17,900	17,435	86	97	1.071	36,730	81,750	2,226	1,761
37	48	95.233	22.312,903	393.376,895	17,630	17,165	87	98	648	21,348	45,019	2,109	1,644
38	49	94.917	21.383,366	371.063,992	17,353	16,888	88	99	372	11,793	23,672	2,007	1,542
39	50	94.558	20.483,181	349.680,626	17,072	16,607	89	100	203	6,199	11,879	1,916	1,452
40	51	94.174	19.615,324	329.197,445	16,783	16,318	90	101	106	3,099	5,680	1,833	1,368
41	52	93.750	18.776,115	309.582,121	16,488	16,023	91	102	52	1,472	2,581	1,754	1,289
42	53	93.289	17.965,183	290.806,006	16,187	15,722	92	103	24	0,659	1,109	1,684	1,219
43	54	92.790	17.181,692	272.840,823	15,880	15,415	93	104	11	0,278	0,451	1,620	1,155
44	55	92.238	16.422,638	255.659,131	15,567	15,103	94	105	4	0,110	0,172	1,562	1,097
45	56	91.642	15.688,996	239.236,493	15,249	14,784	95	106					
46	57	90.993	14.978,776	223.547,497	14,924	14,459	96	107					
47	58	90.280	14.289,720	208.568,721	14,596	14,131	97	108					
48	59	89.508	13.622,698	194.279,001	14,261	13,797	98	109					
49	60	88.690	12.978,954	180.656,303	13,919		99	110					
							100	111					

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -12 Jahre

Zinsfuß 4,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	12	99.470	99.470,467	2.344.892,812	23,574	23,109	50	62	87.312	12.285,838	163.724,361	13,326	12,861
1	13	99.008	95.200,234	2.245.422,345	23,586	23,121	51	63	86.332	11.680,796	151.438,522	12,965	12,500
2	14	98.959	91.492,841	2.150.222,110	23,502	23,037	52	64	85.301	11.097,347	139.757,727	12,594	12,129
3	15	98.927	87.945,924	2.058.729,270	23,409	22,944	53	65	84.180	10.530,371	128.660,380	12,218	11,753
4	16	98.891	84.532,856	1.970.783,345	23,314	22,849	54	66	82.968	9.979,535	118.130,009	11,837	11,372
5	17	98.857	81.253,481	1.886.250,489	23,214	22,750	55	67	81.658	9.444,237	108.150,475	11,451	10,987
6	18	98.822	78.100,461	1.804.997,008	23,111	22,646	56	68	80.223	8.921,405	98.706,238	11,064	10,599
7	19	98.782	75.066,250	1.726.896,547	23,005	22,540	57	69	78.685	8.413,748	89.784,833	10,671	10,206
8	20	98.742	72.150,168	1.651.830,297	22,894	22,430	58	70	77.009	7.917,818	81.371,085	10,277	9,812
9	21	98.700	69.345,003	1.579.680,129	22,780	22,315	59	71	75.191	7.433,551	73.453,267	9,881	9,416
10	22	98.666	66.655,335	1.510.335,127	22,659	22,194	60	72	73.194	6.957,853	66.019,716	9,489	9,024
11	23	98.630	64.068,295	1.443.679,792	22,533	22,069	61	73	71.065	6.495,661	59.061,863	9,093	8,628
12	24	98.590	61.579,159	1.379.611,497	22,404	21,939	62	74	68.781	6.045,094	52.566,201	8,696	8,231
13	25	98.551	59.186,913	1.318.032,338	22,269	21,804	63	75	66.310	5.603,774	46.521,107	8,302	7,837
14	26	98.514	56.889,113	1.258.845,425	22,128	21,663	64	76	63.658	5.172,694	40.917,333	7,910	7,445
15	27	98.468	54.675,667	1.201.956,312	21,983	21,519	65	77	60.839	4.753,541	35.744,639	7,520	7,055
16	28	98.416	52.545,038	1.147.280,645	21,834	21,369	66	78	57.829	4.344,572	30.991,098	7,133	6,668
17	29	98.349	50.489,732	1.094.735,608	21,682	21,218	67	79	54.620	3.945,675	26.646,526	6,753	6,289
18	30	98.270	48.509,009	1.044.245,875	21,527	21,062	68	80	51.202	3.556,476	22.700,851	6,383	5,918
19	31	98.164	46.592,639	995.736,866	21,371	20,906	69	81	47.556	3.176,197	19.144,375	6,027	5,563
20	32	98.050	44.748,541	949.144,227	21,211	20,746	70	82	43.749	2.809,529	15.968,178	5,684	5,219
21	33	97.940	42.979,444	904.395,685	21,043	20,578	71	83	39.755	2.454,828	13.158,649	5,360	4,895
22	34	97.824	41.277,484	861.416,242	20,869	20,404	72	84	35.744	2.122,265	10.703,821	5,044	4,579
23	35	97.705	39.641,371	820.138,757	20,689	20,224	73	85	31.714	1.810,583	8.581,556	4,740	4,275
24	36	97.582	38.068,951	780.497,387	20,502	20,037	74	86	27.837	1.528,129	6.770,974	4,431	3,966
25	37	97.456	36.557,517	742.428,436	20,309	19,844	75	87	23.968	1.265,129	5.242,845	4,144	3,679
26	38	97.325	35.104,207	705.870,919	20,108	19,643	76	88	20.165	1.023,461	3.977,716	3,887	3,422
27	39	97.188	33.706,311	670.766,712	19,900	19,436	77	89	16.639	812,026	2.954,254	3,638	3,173
28	40	97.040	32.360,819	637.060,401	19,686	19,221	78	90	13.397	628,659	2.142,228	3,408	2,943
29	41	96.885	31.066,250	604.699,583	19,465	19,000	79	91	10.527	474,974	1.513,569	3,187	2,722
30	42	96.721	29.820,877	573.633,333	19,236	18,771	80	92	7.985	346,405	1.038,595	2,998	2,533
31	43	96.542	28.620,747	543.812,456	19,001	18,536	81	93	5.873	245,000	692,189	2,825	2,360
32	44	96.340	27.462,524	515.191,709	18,760	18,295	82	94	4.183	167,801	447,189	2,665	2,200
33	45	96.127	26.347,912	487.729,185	18,511	18,046	83	95	2.869	110,654	279,388	2,525	2,060
34	46	95.891	25.272,162	461.381,273	18,257	17,792	84	96	1.900	70,447	168,734	2,395	1,930
35	47	95.627	24.233,346	436.109,111	17,996	17,531	85	97	1.212	43,222	98,287	2,274	1,809
36	48	95.341	23.231,644	411.875,766	17,729	17,264	86	98	746	25,592	55,065	2,152	1,687
37	49	95.032	22.265,601	388.644,122	17,455	16,990	87	99	438	14,432	29,473	2,042	1,577
38	50	94.688	21.331,903	366.378,521	17,175	16,710	88	100	244	7,725	15,041	1,947	1,482
39	51	94.319	20.431,427	345.046,618	16,888	16,423	89	101	129	3,930	7,316	1,862	1,397
40	52	93.912	19.560,847	324.615,191	16,595	16,130	90	102	65	1,899	3,386	1,783	1,319
41	53	93.467	18.719,351	305.054,344	16,296	15,831	91	103	31	0,870	1,488	1,709	1,244
42	54	92.995	17.908,457	286.334,992	15,989	15,524	92	104	14	0,376	0,617	1,644	1,179
43	55	92.467	17.121,930	268.426,535	15,677	15,213	93	105	6	0,153	0,242	1,583	1,119
44	56	91.889	16.360,448	251.304,605	15,360	14,896	94	106					
45	57	91.274	15.626,009	234.944,157	15,035	14,571	95	107					
46	58	90.587	14.911,924	219.318,148	14,708	14,243	96	108					
47	59	89.845	14.220,906	204.406,224	14,374	13,909	97	109					
48	60	89.053	13.553,443	190.185,318	14,032	13,567	98	110					
49	61	88.202	12.907,514	176.631,875	13,684	13,220	99	111					
							100	112					

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -13 Jahre

Zinsfuß 4,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	13	99.462	99.462,020	2.339.054,998	23,517	23,052	50	63	86.762	12.208,525	159.566,117	13,070	12,605
1	14	98.999	95.191,010	2.239.592,979	23,527	23,063	51	64	85.745	11.601,345	147.357,592	12,702	12,237
2	15	98.947	91.482,179	2.144.401,968	23,441	22,976	52	65	84.677	11.016,194	135.756,248	12,323	11,859
3	16	98.910	87.930,211	2.052.919,789	23,347	22,882	53	66	83.493	10.444,365	124.740,054	11,943	11,478
4	17	98.871	84.514,954	1.964.989,578	23,250	22,785	54	67	82.217	9.889,154	114.295,688	11,558	11,093
5	18	98.836	81.235,604	1.880.474,624	23,148	22,684	55	68	80.828	9.348,236	104.406,534	11,169	10,704
6	19	98.794	78.078,000	1.799.239,020	23,044	22,579	56	69	79.306	8.819,366	95.058,298	10,778	10,314
7	20	98.755	75.045,441	1.721.161,020	22,935	22,470	57	70	77.681	8.306,404	86.238,933	10,382	9,917
8	21	98.711	72.127,379	1.646.115,579	22,822	22,358	58	71	75.914	7.805,278	77.932,528	9,985	9,520
9	22	98.675	69.328,036	1.573.988,200	22,703	22,239	59	72	73.972	7.313,036	70.127,251	9,589	9,125
10	23	98.639	66.637,288	1.504.660,164	22,580	22,115	60	73	71.874	6.832,410	62.814,215	9,194	8,729
11	24	98.604	64.051,579	1.438.022,876	22,451	21,986	61	74	69.617	6.363,329	55.981,805	8,798	8,333
12	25	98.563	61.562,429	1.373.971,297	22,318	21,854	62	75	67.216	5.907,498	49.618,476	8,399	7,934
13	26	98.526	59.172,349	1.312.408,867	22,179	21,715	63	76	64.591	5.458,482	43.710,978	8,008	7,543
14	27	98.486	56.873,186	1.253.236,518	22,036	21,571	64	77	61.815	5.022,953	38.252,496	7,616	7,151
15	28	98.439	54.659,733	1.196.363,332	21,887	21,423	65	78	58.860	4.598,896	33.229,543	7,226	6,761
16	29	98.387	52.529,441	1.141.703,599	21,735	21,270	66	79	55.686	4.183,553	28.630,647	6,844	6,379
17	30	98.320	50.474,953	1.089.174,158	21,579	21,114	67	80	52.323	3.779,696	24.447,094	6,468	6,003
18	31	98.238	48.493,127	1.038.699,205	21,420	20,955	68	81	48.708	3.383,224	20.667,398	6,109	5,644
19	32	98.129	46.575,996	990.206,078	21,260	20,795	69	82	44.905	2.999,144	17.284,174	5,763	5,298
20	33	98.015	44.732,630	943.630,082	21,095	20,630	70	83	40.922	2.627,966	14.285,030	5,436	4,971
21	34	97.901	42.962,270	898.897,452	20,923	20,458	71	84	36.906	2.278,920	11.657,064	5,115	4,650
22	35	97.778	41.258,133	855.935,182	20,746	20,281	72	85	32.871	1.951,716	9.378,144	4,805	4,340
23	36	97.655	39.621,076	814.677,050	20,562	20,097	73	86	28.961	1.653,379	7.426,428	4,492	4,027
24	37	97.527	38.047,424	775.055,973	20,371	19,906	74	87	25.031	1.374,071	5.773,049	4,201	3,737
25	38	97.397	36.535,099	737.008,549	20,173	19,708	75	88	21.143	1.115,999	4.398,977	3,942	3,477
26	39	97.257	35.079,651	700.473,450	19,968	19,503	76	89	17.513	888,849	3.282,979	3,694	3,229
27	40	97.110	33.679,337	665.393,799	19,757	19,292	77	90	14.173	691,664	2.394,130	3,461	2,997
28	41	96.956	32.332,665	631.714,462	19,538	19,073	78	91	11.207	525,897	1.702,466	3,237	2,772
29	42	96.789	31.035,541	599.381,797	19,313	18,848	79	92	8.554	385,964	1.176,569	3,048	2,584
30	43	96.612	29.787,338	568.346,256	19,080	18,615	80	93	6.345	275,257	790,605	2,872	2,407
31	44	96.416	28.583,597	538.558,918	18,842	18,377	81	94	4.558	190,123	515,348	2,711	2,246
32	45	96.206	27.424,296	509.975,321	18,596	18,131	82	95	3.166	127,001	325,225	2,561	2,096
33	46	95.975	26.306,124	482.551,025	18,344	17,879	83	96	2.115	81,577	198,224	2,430	1,965
34	47	95.718	25.226,773	456.244,901	18,086	17,621	84	97	1.362	50,522	116,647	2,309	1,844
35	48	95.441	24.186,220	431.018,127	17,821	17,356	85	98	845	30,115	66,124	2,196	1,731
36	49	95.139	23.182,394	406.831,907	17,549	17,084	86	99	505	17,301	36,010	2,081	1,617
37	50	94.803	22.212,014	383.649,513	17,272	16,807	87	100	287	9,454	18,709	1,979	1,514
38	51	94.449	21.278,005	361.437,499	16,986	16,522	88	101	154	4,897	9,255	1,890	1,425
39	52	94.057	20.374,684	340.159,494	16,695	16,230	89	102	79	2,408	4,358	1,810	1,345
40	53	93.628	19.501,711	319.784,810	16,398	15,933	90	103	38	1,123	1,950	1,736	1,272
41	54	93.172	18.660,244	300.283,099	16,092	15,627	91	104	18	0,496	0,827	1,667	1,202
42	55	92.671	17.846,167	281.622,855	15,781	15,316	92	105	8	0,206	0,331	1,605	1,140
43	56	92.117	17.057,091	263.776,687	15,464	15,000	93	106					
44	57	91.520	16.294,765	246.719,596	15,141	14,676	94	107					
45	58	90.867	15.556,269	230.424,831	14,812	14,348	95	108					
46	59	90.151	14.840,114	214.868,562	14,479	14,014	96	109					
47	60	89.388	14.148,610	200.028,448	14,138	13,673	97	110					
48	61	88.563	13.478,842	185.879,838	13,790	13,326	98	111					
49	62	87.705	12.834,879	172.400,996	13,432	12,967	99	112					
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -14 Jahre

Zinsfuß 4,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	14	99.452	99.452,383	2.332.871,559	23,457	22,992	50	64	86.172	12.125,484	155.204,102	12,800	12,335
1	15	98.987	95.179,918	2.233.419,177	23,465	23,000	51	65	85.118	11.516,506	143.078,618	12,424	11,959
2	16	98.929	91.465,834	2.138.239,258	23,377	22,913	52	66	83.985	10.926,220	131.562,112	12,041	11,576
3	17	98.889	87.911,590	2.046.773,424	23,282	22,817	53	67	82.737	10.349,775	120.635,891	11,656	11,191
4	18	98.849	84.496,359	1.958.861,835	23,183	22,718	54	68	81.381	9.788,631	110.286,116	11,267	10,802
5	19	98.807	81.212,241	1.874.365,475	23,080	22,615	55	69	79.904	9.241,315	100.497,485	10,875	10,410
6	20	98.766	78.056,356	1.793.153,234	22,973	22,508	56	70	78.294	8.706,846	91.256,170	10,481	10,016
7	21	98.723	75.021,738	1.715.096,878	22,861	22,397	57	71	76.577	8.188,341	82.549,324	10,081	9,617
8	22	98.687	72.109,731	1.640.075,140	22,744	22,279	58	72	74.683	7.678,736	74.360,983	9,684	9,219
9	23	98.649	69.309,266	1.567.965,409	22,623	22,158	59	73	72.638	7.181,189	66.682,247	9,286	8,821
10	24	98.614	66.619,902	1.498.656,143	22,496	22,031	60	74	70.410	6.693,217	59.501,058	8,890	8,425
11	25	98.578	64.034,178	1.432.036,241	22,364	21,899	61	75	68.033	6.218,489	52.807,841	8,492	8,027
12	26	98.539	61.547,281	1.368.002,063	22,227	21,762	62	76	65.473	5.754,331	46.589,352	8,096	7,632
13	27	98.499	59.155,784	1.306.454,782	22,085	21,620	63	77	62.721	5.300,468	40.835,021	7,704	7,239
14	28	98.457	56.856,611	1.247.298,999	21,938	21,473	64	78	59.804	4.859,544	35.534,553	7,312	6,848
15	29	98.410	54.643,508	1.190.442,387	21,786	21,321	65	79	56.679	4.428,451	30.675,009	6,927	6,462
16	30	98.358	52.514,065	1.135.798,879	21,628	21,164	66	80	53.343	4.007,567	26.246,558	6,549	6,084
17	31	98.288	50.458,427	1.083.284,813	21,469	21,004	67	81	49.774	3.595,571	22.238,991	6,185	5,720
18	32	98.203	48.475,805	1.032.826,386	21,306	20,841	68	82	45.993	3.194,630	18.643,420	5,836	5,371
19	33	98.094	46.559,434	984.350,582	21,142	20,677	69	83	42.003	2.805,327	15.448,790	5,507	5,042
20	34	97.976	44.714,756	937.791,147	20,973	20,508	70	84	37.989	2.439,651	12.643,463	5,182	4,718
21	35	97.855	42.942,128	893.076,392	20,797	20,332	71	85	33.940	2.095,783	10.203,812	4,869	4,404
22	36	97.728	41.237,010	850.134,263	20,616	20,151	72	86	30.017	1.782,259	8.108,030	4,549	4,084
23	37	97.599	39.598,672	808.897,253	20,427	19,963	73	87	26.041	1.486,695	6.325,770	4,255	3,790
24	38	97.467	38.024,093	769.298,581	20,232	19,767	74	88	22.080	1.212,099	4.839,075	3,992	3,527
25	39	97.328	36.509,542	731.274,488	20,030	19,565	75	89	18.362	969,215	3.626,976	3,742	3,277
26	40	97.179	35.051,578	694.764,946	19,821	19,356	76	90	14.917	757,099	2.657,762	3,510	3,046
27	41	97.025	33.650,036	659.713,367	19,605	19,140	77	91	11.856	578,603	1.900,663	3,285	2,820
28	42	96.860	32.300,705	626.063,331	19,382	18,918	78	92	9.107	427,344	1.322,059	3,094	2,629
29	43	96.680	31.000,636	593.762,626	19,153	18,688	79	93	6.797	306,691	894,715	2,917	2,452
30	44	96.487	29.748,674	562.761,990	18,917	18,452	80	94	4.923	213,602	588,024	2,753	2,288
31	45	96.282	28.543,808	533.013,316	18,674	18,209	81	95	3.449	143,896	374,422	2,602	2,137
32	46	96.053	27.380,801	504.469,508	18,424	17,959	82	96	2.334	93,628	230,526	2,462	1,997
33	47	95.802	26.258,879	477.088,707	18,169	17,704	83	97	1.517	58,504	136,898	2,340	1,875
34	48	95.532	25.177,716	450.829,828	17,906	17,441	84	98	949	35,201	78,394	2,227	1,762
35	49	95.239	24.134,947	425.652,112	17,636	17,172	85	99	571	20,359	43,193	2,122	1,657
36	50	94.910	23.126,601	401.517,165	17,362	16,897	86	100	331	11,333	22,834	2,015	1,550
37	51	94.563	22.155,892	378.390,564	17,079	16,614	87	101	182	5,993	11,501	1,919	1,454
38	52	94.187	21.218,911	356.234,672	16,789	16,324	88	102	95	3,001	5,508	1,835	1,371
39	53	93.773	20.313,087	335.015,761	16,493	16,028	89	103	47	1,424	2,507	1,761	1,296
40	54	93.332	19.440,133	314.702,674	16,188	15,723	90	104	22	0,640	1,083	1,692	1,227
41	55	92.848	18.595,339	295.262,540	15,878	15,413	91	105	10	0,272	0,443	1,626	1,161
42	56	92.320	17.778,586	276.667,201	15,562	15,097	92	106					
43	57	91.747	16.988,612	258.888,615	15,239	14,774	93	107					
44	58	91.111	16.222,041	241.900,003	14,912	14,447	94	108					
45	59	90.429	15.481,355	225.677,962	14,577	14,113	95	109					
46	60	89.693	14.764,670	210.196,607	14,236	13,772	96	110					
47	61	88.896	14.070,733	195.431,937	13,889	13,424	97	111					
48	62	88.065	13.402,992	181.361,204	13,531	13,067	98	112					
49	63	87.153	12.754,111	167.958,213	13,169	12,704	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -15 Jahre

Zinsfuß 4,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	15	99.441	99.440,794	2.326.331,633	23,394	22,929	50	65	85.542	12.036,813	150.638,092	12,515	12,050
1	16	98.969	95.162,913	2.226.890,839	23,401	22,936	51	66	84.423	11.422,447	138.601,279	12,134	11,669
2	17	98.908	91.446,464	2.131.727,926	23,311	22,846	52	67	83.225	10.827,266	127.178,832	11,746	11,281
3	18	98.867	87.892,247	2.040.281,462	23,213	22,749	53	68	81.896	10.244,570	116.351,566	11,357	10,893
4	19	98.820	84.472,059	1.952.389,215	23,113	22,648	54	69	80.450	9.676,673	106.106,997	10,965	10,500
5	20	98.780	81.189,729	1.867.917,156	23,007	22,542	55	70	78.884	9.123,413	96.430,324	10,570	10,105
6	21	98.735	78.031,702	1.786.727,428	22,897	22,433	56	71	77.181	8.583,091	87.306,911	10,172	9,707
7	22	98.699	75.003,382	1.708.695,726	22,782	22,317	57	72	75.335	8.055,589	78.723,820	9,773	9,308
8	23	98.660	72.090,208	1.633.692,344	22,662	22,197	58	73	73.337	7.540,295	70.668,230	9,372	8,907
9	24	98.623	69.291,183	1.561.602,136	22,537	22,072	59	74	71.158	7.034,891	63.127,935	8,974	8,509
10	25	98.587	66.601,803	1.492.310,953	22,406	21,942	60	75	68.807	6.540,868	56.093,044	8,576	8,111
11	26	98.553	64.018,421	1.425.709,150	22,270	21,805	61	76	66.269	6.057,259	49.552,176	8,181	7,716
12	27	98.512	61.530,050	1.361.690,729	22,130	21,666	62	77	63.578	5.587,753	43.494,917	7,784	7,319
13	28	98.470	59.138,544	1.300.160,679	21,985	21,520	63	78	60.681	5.128,030	37.907,164	7,392	6,927
14	29	98.428	56.839,735	1.241.022,135	21,834	21,369	64	79	57.587	4.679,439	32.779,134	7,005	6,540
15	30	98.381	54.627,514	1.184.182,400	21,677	21,213	65	80	54.294	4.242,163	28.099,695	6,624	6,159
16	31	98.326	52.496,871	1.129.554,886	21,517	21,052	66	81	50.745	3.812,341	23.857,532	6,258	5,793
17	32	98.253	50.440,403	1.077.058,015	21,353	20,888	67	82	46.999	3.395,139	20.045,191	5,904	5,439
18	33	98.168	48.458,568	1.026.617,612	21,185	20,721	68	83	43.020	2.988,180	16.650,051	5,572	5,107
19	34	98.055	46.540,830	978.159,044	21,017	20,552	69	84	38.993	2.604,303	13.661,872	5,246	4,781
20	35	97.930	44.693,793	931.618,214	20,844	20,380	70	85	34.936	2.243,597	11.057,569	4,929	4,464
21	36	97.805	42.920,144	886.924,421	20,665	20,200	71	86	30.993	1.913,817	8.813,972	4,605	4,141
22	37	97.673	41.213,692	844.004,277	20,479	20,014	72	87	26.991	1.602,582	6.900,155	4,306	3,841
23	38	97.540	39.574,389	802.790,585	20,286	19,821	73	88	22.971	1.311,447	5.297,573	4,039	3,575
24	39	97.399	37.997,494	763.216,195	20,086	19,621	74	89	19.176	1.052,675	3.986,126	3,787	3,322
25	40	97.251	36.480,325	725.218,701	19,880	19,415	75	90	15.640	825,553	2.933,451	3,553	3,088
26	41	97.095	35.021,084	688.738,375	19,666	19,202	76	91	12.479	633,342	2.107,898	3,328	2,863
27	42	96.930	33.616,774	653.717,291	19,446	18,981	77	92	9.634	470,173	1.474,555	3,136	2,671
28	43	96.751	32.264,377	620.100,518	19,219	18,755	78	93	7.237	339,572	1.004,382	2,958	2,493
29	44	96.555	30.960,397	587.836,141	18,987	18,522	79	94	5.275	237,995	664,811	2,793	2,329
30	45	96.352	29.707,264	556.875,744	18,745	18,281	80	95	3.726	161,667	426,816	2,640	2,175
31	46	96.129	28.498,537	527.168,480	18,498	18,033	81	96	2.543	106,084	265,149	2,499	2,035
32	47	95.881	27.331,625	498.669,943	18,245	17,780	82	97	1.674	67,147	159,065	2,369	1,904
33	48	95.616	26.207,814	471.338,317	17,985	17,520	83	98	1.057	40,762	91,918	2,255	1,790
34	49	95.330	25.124,341	445.130,503	17,717	17,252	84	99	642	23,797	51,156	2,150	1,685
35	50	95.009	24.076,861	420.006,162	17,444	16,980	85	100	374	13,336	27,359	2,051	1,587
36	51	94.670	23.068,168	395.929,301	17,163	16,699	86	101	210	7,185	14,023	1,952	1,487
37	52	94.301	22.094,360	372.861,133	16,876	16,411	87	102	111	3,672	6,838	1,862	1,397
38	53	93.902	21.154,761	350.766,772	16,581	16,116	88	103	56	1,775	3,166	1,784	1,319
39	54	93.477	20.248,948	329.612,011	16,278	15,813	89	104	27	0,812	1,391	1,714	1,249
40	55	93.008	19.372,516	309.363,063	15,969	15,504	90	105	12	0,351	0,579	1,649	1,184
41	56	92.496	18.524,921	289.990,547	15,654	15,189	91	106					
42	57	91.950	17.707,210	271.465,626	15,331	14,866	92	107					
43	58	91.337	16.912,790	253.758,415	15,004	14,539	93	108					
44	59	90.673	16.143,921	236.845,625	14,671	14,206	94	109					
45	60	89.970	15.402,651	220.701,704	14,329	13,864	95	110					
46	61	89.199	14.683,401	205.299,052	13,982	13,517	96	111					
47	62	88.396	13.991,552	190.615,651	13,624	13,159	97	112					
48	63	87.511	13.318,648	176.624,099	13,261	12,797	98						
49	64	86.560	12.667,359	163.305,451	12,892	12,427	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -16 Jahre

Zinsfuß 4,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	16	99.423	99.423,027	2.319.425,019	23,329	22,864	50	66	84.843	11.938,504	145.868,092	12,218	11,753
1	17	98.948	95.142,759	2.220.001,992	23,333	22,869	51	67	83.658	11.318,998	133.929,588	11,832	11,367
2	18	98.887	91.426,344	2.124.859,232	23,241	22,776	52	68	82.379	10.717,207	122.610,590	11,441	10,976
3	19	98.838	87.866,970	2.033.432,888	23,142	22,677	53	69	80.959	10.127,397	111.893,382	11,049	10,584
4	20	98.793	84.448,643	1.945.565,918	23,038	22,574	54	70	79.424	9.553,216	101.765,986	10,653	10,188
5	21	98.749	81.164,084	1.861.117,275	22,930	22,465	55	71	77.763	8.993,737	92.212,770	10,253	9,788
6	22	98.711	78.012,610	1.779.953,191	22,816	22,351	56	72	75.930	8.443,940	83.219,033	9,855	9,391
7	23	98.673	74.983,075	1.701.940,581	22,698	22,233	57	73	73.977	7.910,354	74.775,093	9,453	8,988
8	24	98.635	72.071,400	1.626.957,506	22,574	22,109	58	74	71.843	7.386,682	66.864,739	9,052	8,587
9	25	98.596	69.272,358	1.554.886,107	22,446	21,981	59	75	69.538	6.874,765	59.478,057	8,652	8,187
10	26	98.563	66.585,415	1.485.613,749	22,311	21,847	60	76	67.023	6.371,280	52.603,292	8,256	7,791
11	27	98.526	64.000,498	1.419.028,334	22,172	21,707	61	77	64.351	5.881,912	46.232,013	7,860	7,395
12	28	98.483	61.512,118	1.355.027,836	22,029	21,564	62	78	61.509	5.405,969	40.350,101	7,464	6,999
13	29	98.441	59.120,990	1.293.515,717	21,879	21,414	63	79	58.432	4.937,975	34.944,132	7,077	6,612
14	30	98.399	56.823,098	1.234.394,727	21,723	21,259	64	80	55.165	4.482,593	30.006,158	6,694	6,229
15	31	98.349	54.609,628	1.177.571,629	21,563	21,099	65	81	51.649	4.035,509	25.523,565	6,325	5,860
16	32	98.291	52.478,119	1.122.962,001	21,399	20,934	66	82	47.916	3.599,826	21.488,056	5,969	5,504
17	33	98.218	50.422,467	1.070.483,882	21,230	20,765	67	83	43.962	3.175,732	17.888,229	5,633	5,168
18	34	98.129	48.439,205	1.020.061,415	21,059	20,594	68	84	39.938	2.774,053	14.712,498	5,304	4,839
19	35	98.009	46.519,011	971.622,210	20,887	20,422	69	85	35.860	2.395,017	11.938,445	4,985	4,520
20	36	97.879	44.670,911	925.103,199	20,709	20,244	70	86	31.903	2.048,798	9.543,428	4,658	4,193
21	37	97.750	42.895,874	880.432,288	20,525	20,060	71	87	27.869	1.720,877	7.494,630	4,355	3,890
22	38	97.613	41.188,419	837.536,413	20,334	19,869	72	88	23.809	1.413,673	5.773,753	4,084	3,619
23	39	97.471	39.546,707	796.347,994	20,137	19,672	73	89	19.950	1.138,956	4.360,080	3,828	3,363
24	40	97.321	37.967,086	756.801,287	19,933	19,468	74	90	16.334	896,643	3.221,124	3,592	3,128
25	41	97.166	36.448,588	718.834,201	19,722	19,257	75	91	13.084	690,606	2.324,481	3,366	2,901
26	42	96.999	34.986,466	682.385,613	19,504	19,039	76	92	10.140	514,654	1.633,875	3,175	2,710
27	43	96.821	33.578,966	647.399,147	19,280	18,815	77	93	7.656	373,604	1.119,221	2,996	2,531
28	44	96.626	32.222,497	613.820,181	19,049	18,585	78	94	5.616	263,511	745,617	2,830	2,365
29	45	96.420	30.917,300	581.597,683	18,811	18,347	79	95	3.992	180,129	482,106	2,676	2,212
30	46	96.200	29.660,148	550.680,384	18,566	18,102	80	96	2.747	119,185	301,977	2,534	2,069
31	47	95.957	28.447,355	521.020,236	18,315	17,850	81	97	1.824	76,079	182,793	2,403	1,938
32	48	95.694	27.278,475	492.572,882	18,057	17,592	82	98	1.166	46,784	106,713	2,281	1,816
33	49	95.413	26.152,256	465.294,407	17,792	17,327	83	99	714	27,557	59,929	2,175	1,710
34	50	95.100	25.063,874	439.142,151	17,521	17,056	84	100	420	15,589	32,372	2,077	1,612
35	51	94.769	24.016,028	414.078,277	17,242	16,777	85	101	237	8,455	16,784	1,985	1,520
36	52	94.407	23.004,103	390.062,250	16,956	16,491	86	102	128	4,402	8,329	1,892	1,427
37	53	94.016	22.027,564	367.058,147	16,664	16,199	87	103	66	2,172	3,927	1,808	1,343
38	54	93.606	21.087,964	345.030,583	16,361	15,897	88	104	32	1,012	1,755	1,735	1,270
39	55	93.151	20.178,517	323.942,618	16,054	15,589	89	105	15	0,446	0,744	1,669	1,204
40	56	92.656	19.299,155	303.764,101	15,740	15,275	90	106					
41	57	92.125	18.450,549	284.464,946	15,418	14,953	91	107					
42	58	91.539	17.628,182	266.014,397	15,090	14,625	92	108					
43	59	90.898	16.831,344	248.386,215	14,757	14,293	93	109					
44	60	90.212	16.061,849	231.554,871	14,416	13,952	94	110					
45	61	89.474	15.317,871	215.493,022	14,068	13,603	95	111					
46	62	88.697	14.600,773	200.175,151	13,710	13,245	96	112					
47	63	87.840	13.903,504	185.574,378	13,347	12,882	97						
48	64	86.915	13.228,057	171.670,873	12,978	12,513	98						
49	65	85.927	12.574,725	158.442,817	12,600	12,135	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -17 Jahre

Zinsfuß 4,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	17	99.402	99.401,972	2.312.145,797	23,261	22,796	50	67	84.075	11.830,382	140.898,585	11,910	11,445
1	18	98.927	95.121,826	2.212.743,826	23,262	22,797	51	68	82.808	11.203,941	129.068,204	11,520	11,055
2	19	98.858	91.400,051	2.117.621,999	23,169	22,704	52	69	81.437	10.594,628	117.864,263	11,125	10,660
3	20	98.811	87.842,613	2.026.221,949	23,067	22,602	53	70	79.926	9.998,189	107.269,634	10,729	10,264
4	21	98.762	84.421,969	1.938.379,336	22,961	22,496	54	71	78.295	9.417,431	97.271,445	10,329	9,864
5	22	98.724	81.144,226	1.853.957,367	22,848	22,383	55	72	76.502	8.847,928	87.854,014	9,929	9,465
6	23	98.684	77.991,488	1.772.813,141	22,731	22,266	56	73	74.561	8.291,703	79.006,086	9,528	9,064
7	24	98.647	74.963,512	1.694.821,653	22,609	22,144	57	74	72.470	7.749,201	70.714,383	9,125	8,661
8	25	98.608	72.051,819	1.619.858,141	22,482	22,017	58	75	70.208	7.218,548	62.965,181	8,723	8,258
9	26	98.572	69.255,312	1.547.806,322	22,349	21,884	59	76	67.735	6.696,519	55.746,633	8,325	7,860
10	27	98.535	66.566,773	1.478.551,009	22,212	21,747	60	77	65.083	6.186,842	49.050,114	7,928	7,463
11	28	98.497	63.981,847	1.411.984,236	22,069	21,604	61	78	62.257	5.690,558	42.863,272	7,532	7,068
12	29	98.454	61.493,860	1.348.002,389	21,921	21,456	62	79	59.230	5.205,612	37.172,714	7,141	6,676
13	30	98.412	59.103,685	1.286.508,529	21,767	21,302	63	80	55.974	4.730,253	31.967,102	6,758	6,293
14	31	98.367	56.804,493	1.227.404,844	21,608	21,143	64	81	52.478	4.264,226	27.236,849	6,387	5,922
15	32	98.314	54.590,121	1.170.600,351	21,443	20,979	65	82	48.770	3.810,554	22.972,622	6,029	5,564
16	33	98.256	52.459,459	1.116.010,230	21,274	20,809	66	83	44.820	3.367,191	19.162,068	5,691	5,226
17	34	98.179	50.402,320	1.063.550,771	21,101	20,636	67	84	40.812	2.948,165	15.794,878	5,358	4,893
18	35	98.083	48.416,496	1.013.148,451	20,926	20,461	68	85	36.728	2.551,126	12.846,713	5,036	4,571
19	36	97.958	46.495,195	964.731,956	20,749	20,284	69	86	32.746	2.187,071	10.295,587	4,707	4,243
20	37	97.824	44.645,652	918.236,761	20,567	20,102	70	87	28.687	1.842,249	8.108,516	4,401	3,937
21	38	97.690	42.869,570	873.591,109	20,378	19,913	71	88	24.584	1.518,024	6.266,267	4,128	3,663
22	39	97.545	41.159,608	830.721,539	20,183	19,718	72	89	20.678	1.227,737	4.748,243	3,867	3,403
23	40	97.393	39.515,059	789.561,931	19,981	19,516	73	90	16.993	970,135	3.520,506	3,629	3,164
24	41	97.237	37.934,056	750.046,872	19,772	19,308	74	91	13.664	750,076	2.550,371	3,400	2,935
25	42	97.070	36.412,559	712.112,817	19,557	19,092	75	92	10.632	561,187	1.800,296	3,208	2,743
26	43	96.890	34.947,118	675.700,257	19,335	18,870	76	93	8.058	408,949	1.239,109	3,030	2,565
27	44	96.695	33.535,380	640.753,140	19,107	18,642	77	94	5.941	289,920	830,160	2,863	2,399
28	45	96.491	32.177,643	607.217,760	18,871	18,406	78	95	4.250	199,441	540,239	2,709	2,244
29	46	96.267	30.868,264	575.040,117	18,629	18,164	79	96	2.943	132,795	340,799	2,566	2,102
30	47	96.027	29.606,878	544.171,852	18,380	17,915	80	97	1.970	85,475	208,004	2,434	1,969
31	48	95.770	28.392,035	514.564,974	18,124	17,659	81	98	1.271	53,008	122,529	2,312	1,847
32	49	95.492	27.220,646	486.172,939	17,860	17,396	82	99	788	31,628	69,521	2,198	1,733
33	50	95.184	26.089,314	458.952,293	17,592	17,127	83	100	468	18,052	37,893	2,099	1,634
34	51	94.860	25.000,547	432.862,978	17,314	16,849	84	101	266	9,882	19,842	2,008	1,543
35	52	94.506	23.949,329	407.862,432	17,030	16,565	85	102	145	5,180	9,959	1,923	1,458
36	53	94.122	22.934,556	383.913,102	16,740	16,275	86	103	76	2,603	4,779	1,836	1,371
37	54	93.719	21.958,011	360.978,546	16,439	15,975	87	104	38	1,238	2,176	1,757	1,292
38	55	93.280	21.014,615	339.020,534	16,133	15,668	88	105	18	0,555	0,938	1,689	1,224
39	56	92.799	20.102,104	318.005,919	15,820	15,355	89						
40	57	92.284	19.221,674	297.903,815	15,498	15,034	90						
41	58	91.714	18.368,203	278.682,141	15,172	14,707	91						
42	59	91.099	17.543,291	260.313,938	14,838	14,374	92						
43	60	90.435	16.745,778	242.770,647	14,497	14,033	93						
44	61	89.715	15.973,440	226.024,870	14,150	13,685	94						
45	62	88.971	15.231,672	210.051,429	13,790	13,326	95						
46	63	88.139	14.508,892	194.819,757	13,428	12,963	96						
47	64	87.242	13.808,935	180.310,865	13,058	12,593	97						
48	65	86.280	13.131,322	166.501,930	12,680	12,215	98						
49	66	85.226	12.472,023	153.370,608	12,297	11,832	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -18 Jahre

Zinsfuß 4,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	18	99.380	99.380,101	2.304.485,056	23,189	22,724	50	68	83.220	11.710,126	135.734,691	11,591	11,126
1	19	98.898	95.094,470	2.205.104,955	23,189	22,724	51	69	81.861	11.075,795	124.024,565	11,198	10,733
2	20	98.831	91.374,714	2.110.010,485	23,092	22,627	52	70	80.398	10.459,460	112.948,770	10,799	10,334
3	21	98.780	87.814,867	2.018.635,771	22,987	22,523	53	71	78.790	9.856,080	102.489,310	10,399	9,934
4	22	98.738	84.401,313	1.930.820,904	22,877	22,412	54	72	77.025	9.264,753	92.633,230	9,998	9,534
5	23	98.698	81.122,257	1.846.419,590	22,761	22,296	55	73	75.123	8.688,408	83.368,477	9,595	9,131
6	24	98.658	77.971,140	1.765.297,334	22,640	22,176	56	74	73.042	8.122,782	74.680,069	9,194	8,729
7	25	98.620	74.943,146	1.687.326,194	22,515	22,050	57	75	70.820	7.572,816	66.557,287	8,789	8,324
8	26	98.584	72.034,090	1.612.383,048	22,384	21,919	58	76	68.387	7.031,389	58.984,471	8,389	7,924
9	27	98.544	69.235,924	1.540.348,958	22,248	21,783	59	77	65.775	6.502,666	51.953,082	7,990	7,525
10	28	98.506	66.547,374	1.471.113,034	22,106	21,641	60	78	62.966	5.985,568	45.450,416	7,593	7,129
11	29	98.468	63.962,855	1.404.565,661	21,959	21,494	61	79	59.950	5.479,654	39.464,848	7,202	6,737
12	30	98.425	61.475,861	1.340.602,805	21,807	21,342	62	80	56.738	4.986,632	33.985,194	6,815	6,350
13	31	98.380	59.084,333	1.279.126,945	21,649	21,184	63	81	53.247	4.499,822	28.998,562	6,444	5,980
14	32	98.332	56.784,202	1.220.042,611	21,486	21,021	64	82	49.552	4.026,522	24.498,740	6,084	5,620
15	33	98.279	54.570,710	1.163.258,409	21,317	20,852	65	83	45.619	3.564,300	20.472,218	5,744	5,279
16	34	98.216	52.438,497	1.108.687,700	21,143	20,678	66	84	41.608	3.125,905	16.907,918	5,409	4,944
17	35	98.133	50.378,690	1.056.249,202	20,966	20,501	67	85	37.532	2.711,246	13.782,013	5,083	4,618
18	36	98.033	48.391,708	1.005.870,512	20,786	20,321	68	86	33.539	2.329,625	11.070,767	4,752	4,287
19	37	97.903	46.468,904	957.478,803	20,605	20,140	69	87	29.445	1.966,582	8.741,141	4,445	3,980
20	38	97.764	44.618,274	911.009,899	20,418	19,953	70	88	25.305	1.625,089	6.774,559	4,169	3,704
21	39	97.621	42.839,582	866.391,625	20,224	19,759	71	89	21.350	1.318,363	5.149,470	3,906	3,441
22	40	97.467	41.126,669	823.552,043	20,025	19,560	72	90	17.613	1.045,756	3.831,107	3,663	3,199
23	41	97.309	39.480,682	782.425,374	19,818	19,353	73	91	14.215	811,555	2.785,351	3,432	2,967
24	42	97.140	37.896,558	742.944,692	19,605	19,140	74	92	11.103	609,512	1.973,797	3,238	2,774
25	43	96.961	36.371,607	705.048,134	19,385	18,920	75	93	8.448	445,925	1.364,285	3,059	2,595
26	44	96.764	34.901,756	668.676,527	19,159	18,694	76	94	6.253	317,348	918,361	2,894	2,429
27	45	96.560	33.488,698	633.774,771	18,925	18,460	77	95	4.496	219,429	601,012	2,739	2,274
28	46	96.338	32.126,609	600.286,073	18,685	18,220	78	96	3.133	147,032	381,583	2,595	2,130
29	47	96.094	30.812,826	568.159,464	18,439	17,974	79	97	2.111	95,236	234,551	2,463	1,998
30	48	95.840	29.549,304	537.346,638	18,185	17,720	80	98	1.373	59,554	139,315	2,339	1,874
31	49	95.567	28.331,845	507.797,334	17,923	17,458	81	99	859	35,835	79,761	2,226	1,761
32	50	95.262	27.155,134	479.465,489	17,657	17,192	82	100	517	20,718	43,926	2,120	1,655
33	51	94.943	26.023,396	452.310,355	17,381	16,916	83	101	297	11,444	23,208	2,028	1,563
34	52	94.597	24.931,114	426.286,959	17,099	16,634	84	102	163	6,055	11,764	1,943	1,478
35	53	94.220	23.876,926	401.355,845	16,809	16,345	85	103	86	3,064	5,709	1,863	1,399
36	54	93.825	22.862,140	377.478,919	16,511	16,046	86	104	43	1,484	2,645	1,782	1,317
37	55	93.393	21.881,636	354.616,779	16,206	15,741	87	105	21	0,680	1,161	1,709	1,244
38	56	92.927	20.935,036	332.735,143	15,894	15,429	88	106					
39	57	92.426	20.021,400	311.800,107	15,573	15,109	89	107					
40	58	91.872	19.135,886	291.778,708	15,248	14,783	90	108					
41	59	91.272	18.279,748	272.642,821	14,915	14,450	91	109					
42	60	90.635	17.454,104	254.363,073	14,573	14,108	92	110					
43	61	89.938	16.653,605	236.908,969	14,226	13,761	93	111					
44	62	89.210	15.883,552	220.255,364	13,867	13,402	94	112					
45	63	88.411	15.135,821	204.371,812	13,503	13,038	95						
46	64	87.539	14.410,204	189.235,991	13,132	12,667	96						
47	65	86.604	13.707,953	174.825,786	12,754	12,289	97						
48	66	85.575	13.024,074	161.117,833	12,371	11,906	98						
49	67	84.454	12.359,069	148.093,759	11,983	11,518	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -19 Jahre

Zinsfuß 4,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	19	99.352	99.351,520	2.296.431,126	23,114	22,649	50	69	82.268	11.576,191	130.384,382	11,263	10,798
1	20	98.871	95.068,109	2.197.079,605	23,111	22,646	51	70	80.816	10.934,488	118.808,191	10,865	10,401
2	21	98.800	91.345,853	2.102.011,496	23,012	22,547	52	71	79.255	10.310,794	107.873,703	10,462	9,997
3	22	98.756	87.793,382	2.010.665,643	22,902	22,437	53	72	77.513	9.696,290	97.562,909	10,062	9,597
4	23	98.711	84.378,462	1.922.872,262	22,789	22,324	54	73	75.637	9.097,718	87.866,619	9,658	9,193
5	24	98.672	81.101,091	1.838.493,799	22,669	22,204	55	74	73.593	8.511,404	78.768,901	9,255	8,790
6	25	98.632	77.949,957	1.757.392,708	22,545	22,080	56	75	71.379	7.937,893	70.257,497	8,851	8,386
7	26	98.596	74.924,705	1.679.442,751	22,415	21,950	57	76	68.984	7.376,472	62.319,603	8,448	7,984
8	27	98.556	72.013,923	1.604.518,046	22,281	21,816	58	77	66.408	6.827,842	54.943,131	8,047	7,582
9	28	98.516	69.215,746	1.532.504,123	22,141	21,676	59	78	63.635	6.291,118	48.115,289	7,648	7,183
10	29	98.477	66.527,621	1.463.288,377	21,995	21,530	60	79	60.632	5.763,730	41.824,171	7,256	6,792
11	30	98.439	63.944,133	1.396.760,756	21,843	21,379	61	80	57.428	5.249,146	36.060,441	6,870	6,405
12	31	98.393	61.455,732	1.332.816,623	21,687	21,223	62	81	53.974	4.743,712	30.811,295	6,495	6,030
13	32	98.345	59.063,228	1.271.360,891	21,525	21,061	63	82	50.279	4.248,984	26.067,583	6,135	5,670
14	33	98.297	56.764,011	1.212.297,663	21,357	20,892	64	83	46.350	3.766,311	21.818,599	5,793	5,328
15	34	98.239	54.548,905	1.155.533,652	21,183	20,719	65	84	42.350	3.308,890	18.052,288	5,456	4,991
16	35	98.170	52.413,913	1.100.984,747	21,006	20,541	66	85	38.264	2.874,702	14.743,398	5,129	4,664
17	36	98.082	50.352,899	1.048.570,834	20,824	20,360	67	86	34.273	2.475,843	11.868,696	4,794	4,329
18	37	97.977	48.364,345	998.217,935	20,640	20,175	68	87	30.158	2.094,766	9.392,852	4,484	4,019
19	38	97.843	46.440,409	949.853,591	20,453	19,988	69	88	25.974	1.734,766	7.298,087	4,207	3,742
20	39	97.696	44.587,063	903.413,182	20,262	19,797	70	89	21.977	1.411,346	5.563,321	3,942	3,477
21	40	97.543	42.805,299	858.826,119	20,064	19,599	71	90	18.186	1.122,949	4.151,975	3,697	3,233
22	41	97.382	41.090,890	816.020,820	19,859	19,394	72	91	14.734	874,815	3.029,026	3,462	2,998
23	42	97.212	39.441,655	774.929,930	19,648	19,183	73	92	11.551	659,469	2.154,211	3,267	2,802
24	43	97.031	37.853,937	735.488,274	19,430	18,965	74	93	8.823	484,324	1.494,742	3,086	2,621
25	44	96.835	36.324,396	697.634,337	19,206	18,741	75	94	6.556	346,042	1.010,418	2,920	2,455
26	45	96.629	34.853,172	661.309,941	18,974	18,509	76	95	4.732	240,188	664,377	2,766	2,301
27	46	96.407	33.435,585	626.456,769	18,736	18,271	77	96	3.315	161,768	424,188	2,622	2,157
28	47	96.165	32.068,910	593.021,184	18,492	18,027	78	97	2.247	105,446	262,420	2,489	2,024
29	48	95.908	30.752,906	560.952,274	18,241	17,776	79	98	1.471	66,355	156,974	2,366	1,901
30	49	95.637	29.486,661	530.199,368	17,981	17,516	80	99	928	40,260	90,619	2,251	1,786
31	50	95.337	28.263,658	500.712,707	17,716	17,251	81	100	563	23,474	50,358	2,145	1,680
32	51	95.021	27.086,523	472.449,049	17,442	16,977	82	101	327	13,134	26,884	2,047	1,582
33	52	94.680	25.951,123	445.362,526	17,162	16,697	83	102	182	7,012	13,750	1,961	1,496
34	53	94.311	24.855,742	419.411,403	16,874	16,409	84	103	97	3,581	6,738	1,882	1,417
35	54	93.923	23.801,533	394.555,661	16,577	16,112	85	104	49	1,747	3,157	1,808	1,343
36	55	93.498	22.782,620	370.754,127	16,274	15,809	86	105	24	0,815	1,411	1,732	1,267
37	56	93.039	21.798,773	347.971,508	15,963	15,498	87	106					
38	57	92.554	20.850,988	326.172,734	15,643	15,178	88	107					
39	58	92.014	19.932,043	305.321,747	15,318	14,853	89	108					
40	59	91.429	19.043,735	285.389,704	14,986	14,521	90	109					
41	60	90.808	18.186,818	266.345,969	14,645	14,180	91	110					
42	61	90.137	17.358,033	248.159,151	14,297	13,832	92	111					
43	62	89.432	16.559,889	230.801,119	13,937	13,473	93	112					
44	63	88.649	15.783,599	214.241,230	13,574	13,109	94						
45	64	87.810	15.032,870	198.457,631	13,202	12,737	95						
46	65	86.899	14.304,825	183.424,761	12,823	12,358	96						
47	66	85.897	13.595,995	169.119,936	12,439	11,974	97						
48	67	84.800	12.906,120	155.523,941	12,050	11,586	98						
49	68	83.595	12.233,439	142.617,821	11,658	11,193	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -20 Jahre

Zinsfuß 4,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	20	99.324	99.323,980	2.287.978,187	23,036	22,571	50	70	81.219	11.428,499	124.857,759	10,925	10,460
1	21	98.840	95.038,081	2.188.654,207	23,029	22,564	51	71	79.668	10.779,070	113.429,259	10,523	10,058
2	22	98.776	91.323,503	2.093.616,126	22,925	22,460	52	72	77.970	10.143,633	102.650,189	10,120	9,655
3	23	98.729	87.769,612	2.002.292,623	22,813	22,348	53	73	76.115	9.521,475	92.506,556	9,716	9,251
4	24	98.685	84.356,448	1.914.523,011	22,696	22,231	54	74	74.096	8.912,376	82.985,081	9,311	8,846
5	25	98.645	81.079,058	1.830.166,563	22,573	22,108	55	75	71.918	8.317,670	74.072,705	8,905	8,441
6	26	98.607	77.930,776	1.749.087,505	22,444	21,979	56	76	69.529	7.732,083	65.755,035	8,504	8,039
7	27	98.568	74.903,729	1.671.156,729	22,311	21,846	57	77	66.987	7.162,935	58.022,952	8,100	7,636
8	28	98.527	71.992,936	1.596.253,000	22,172	21,708	58	78	64.247	6.605,715	50.860,016	7,699	7,235
9	29	98.486	69.195,201	1.524.260,064	22,028	21,564	59	79	61.276	6.057,956	44.254,301	7,305	6,840
10	30	98.448	66.508,148	1.455.064,863	21,878	21,413	60	80	58.082	5.521,272	38.196,346	6,918	6,453
11	31	98.407	63.923,197	1.388.556,715	21,722	21,257	61	81	54.630	4.993,437	32.675,073	6,544	6,079
12	32	98.357	61.433,780	1.324.633,518	21,562	21,097	62	82	50.965	4.479,279	27.681,636	6,180	5,715
13	33	98.310	59.042,226	1.263.199,738	21,395	20,930	63	83	47.030	3.974,397	23.202,357	5,838	5,373
14	34	98.258	56.741,329	1.204.157,512	21,222	20,757	64	84	43.029	3.496,425	19.227,960	5,499	5,034
15	35	98.193	54.523,331	1.147.416,183	21,044	20,580	65	85	38.946	3.042,982	15.731,535	5,170	4,705
16	36	98.120	52.387,080	1.092.892,852	20,862	20,397	66	86	34.942	2.625,107	12.688,552	4,834	4,369
17	37	98.027	50.324,426	1.040.505,772	20,676	20,211	67	87	30.818	2.226,243	10.063,445	4,520	4,056
18	38	97.917	48.334,687	990.181,346	20,486	20,021	68	88	26.603	1.847,839	7.837,202	4,241	3,776
19	39	97.774	46.407,923	941.846,659	20,295	19,830	69	89	22.558	1.506,598	5.989,363	3,975	3,511
20	40	97.618	44.551,382	895.438,736	20,099	19,634	70	90	18.719	1.202,150	4.482,765	3,729	3,264
21	41	97.458	42.768,059	850.887,354	19,895	19,431	71	91	15.213	939,389	3.280,616	3,492	3,027
22	42	97.286	41.050,272	808.119,295	19,686	19,221	72	92	11.973	710,874	2.341,226	3,293	2,829
23	43	97.103	39.397,296	767.069,023	19,470	19,005	73	93	9.179	524,021	1.630,352	3,111	2,646
24	44	96.905	37.804,802	727.671,727	19,248	18,783	74	94	6.847	375,840	1.106,331	2,944	2,479
25	45	96.700	36.273,832	689.866,924	19,018	18,553	75	95	4.962	261,905	730,491	2,789	2,324
26	46	96.476	34.797,895	653.593,092	18,783	18,318	76	96	3.489	177,072	468,586	2,646	2,181
27	47	96.234	33.375,535	618.795,198	18,540	18,076	77	97	2.377	116,014	291,514	2,513	2,048
28	48	95.978	32.006,548	585.419,662	18,291	17,826	78	98	1.566	73,469	175,500	2,389	1,924
29	49	95.704	30.687,711	553.413,115	18,034	17,569	79	99	994	44,858	102,031	2,275	1,810
30	50	95.407	29.415,695	522.725,403	17,770	17,305	80	100	608	26,374	57,173	2,168	1,703
31	51	95.096	28.192,247	493.309,708	17,498	17,033	81	101	357	14,882	30,799	2,070	1,605
32	52	94.757	27.011,297	465.117,462	17,219	16,755	82	102	201	8,047	15,917	1,978	1,513
33	53	94.393	25.872,668	438.106,165	16,933	16,468	83	103	108	4,147	7,870	1,898	1,433
34	54	94.013	24.777,259	412.233,497	16,638	16,173	84	104	55	2,041	3,723	1,824	1,359
35	55	93.596	23.718,746	387.456,238	16,335	15,871	85	105	27	0,959	1,682	1,755	1,290
36	56	93.144	22.696,345	363.737,492	16,026	15,561	86	106					
37	57	92.666	21.711,257	341.041,147	15,708	15,243	87	107					
38	58	92.141	20.757,928	319.329,890	15,384	14,919	88	108					
39	59	91.570	19.836,057	298.571,962	15,052	14,587	89	109					
40	60	90.965	18.946,921	278.735,905	14,711	14,247	90	110					
41	61	90.308	18.086,713	259.788,984	14,364	13,899	91	111					
42	62	89.629	17.260,353	241.702,271	14,003	13,539	92	112					
43	63	88.869	16.455,679	224.441,918	13,639	13,174	93						
44	64	88.046	15.676,241	207.986,239	13,268	12,803	94						
45	65	87.167	14.922,937	192.309,997	12,887	12,422	95						
46	66	86.190	14.187,992	177.387,060	12,503	12,038	96						
47	67	85.119	13.472,862	163.199,068	12,113	11,648	97						
48	68	83.938	12.774,930	149.726,206	11,720	11,255	98						
49	69	82.639	12.093,518	136.951,277	11,324	10,860	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -21 Jahre

Zinsfuß 4,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	21	99.293	99.292,607	2.279.112,234	22,953	22,489	50	71	80.064	11.266,060	119.165,576	10,577	10,113
1	22	98.815	95.014,828	2.179.819,627	22,942	22,477	51	72	78.376	10.604,317	107.899,516	10,175	9,710
2	23	98.749	91.298,778	2.084.804,799	22,835	22,370	52	73	76.564	9.960,752	97.295,199	9,768	9,303
3	24	98.703	87.746,713	1.993.506,021	22,719	22,254	53	74	74.565	9.327,500	87.334,447	9,363	8,898
4	25	98.658	84.333,530	1.905.759,308	22,598	22,133	54	75	72.409	8.709,515	78.006,947	8,957	8,492
5	26	98.621	81.059,107	1.821.425,778	22,470	22,006	55	76	70.053	8.102,014	69.297,432	8,553	8,088
6	27	98.580	77.908,959	1.740.366,671	22,338	21,874	56	77	67.516	7.508,252	61.195,418	8,150	7,686
7	28	98.539	74.881,900	1.662.457,712	22,201	21,736	57	78	64.808	6.929,907	53.687,166	7,747	7,282
8	29	98.498	71.971,567	1.587.575,813	22,058	21,594	58	79	61.866	6.360,893	46.757,259	7,351	6,886
9	30	98.458	69.174,947	1.515.604,246	21,910	21,445	59	80	58.699	5.803,121	40.396,365	6,961	6,496
10	31	98.416	66.486,372	1.446.429,298	21,755	21,290	60	81	55.252	5.252,307	34.593,245	6,586	6,121
11	32	98.372	63.900,363	1.379.942,926	21,595	21,130	61	82	51.585	4.715,084	29.340,938	6,223	5,758
12	33	98.322	61.411,935	1.316.042,564	21,430	20,965	62	83	47.672	4.189,809	24.625,854	5,878	5,413
13	34	98.270	59.018,635	1.254.630,628	21,258	20,793	63	84	43.660	3.689,600	20.436,045	5,539	5,074
14	35	98.212	56.714,728	1.195.611,994	21,081	20,616	64	85	39.571	3.215,447	16.746,444	5,208	4,743
15	36	98.143	54.495,418	1.138.897,266	20,899	20,434	65	86	35.565	2.778,777	13.530,997	4,869	4,405
16	37	98.065	52.357,457	1.084.401,848	20,712	20,247	66	87	31.419	2.360,459	10.752,221	4,555	4,090
17	38	97.967	50.293,566	1.032.044,392	20,520	20,056	67	88	27.185	1.963,818	8.391,762	4,273	3,808
18	39	97.849	48.300,876	981.750,825	20,326	19,861	68	89	23.104	1.604,799	6.427,944	4,005	3,541
19	40	97.696	46.370,785	933.449,949	20,130	19,665	69	90	19.214	1.283,282	4.823,145	3,758	3,294
20	41	97.533	44.512,623	887.079,165	19,929	19,464	70	91	15.660	1.005,644	3.539,863	3,520	3,055
21	42	97.362	42.725,784	842.566,542	19,720	19,256	71	92	12.362	763,348	2.534,219	3,320	2,855
22	43	97.176	41.004,104	799.840,758	19,506	19,042	72	93	9.514	564,868	1.770,871	3,135	2,670
23	44	96.977	39.346,158	758.836,654	19,286	18,821	73	94	7.123	406,645	1.206,003	2,966	2,501
24	45	96.770	37.752,178	719.490,496	19,058	18,593	74	95	5.182	284,458	799,358	2,810	2,345
25	46	96.547	36.216,301	681.738,319	18,824	18,359	75	96	3.658	193,082	514,900	2,667	2,202
26	47	96.303	34.735,398	645.522,017	18,584	18,119	76	97	2.502	126,990	321,818	2,534	2,069
27	48	96.047	33.310,632	610.786,619	18,336	17,871	77	98	1.656	80,832	194,828	2,410	1,945
28	49	95.775	31.938,696	577.475,987	18,081	17,616	78	99	1.058	49,667	113,995	2,295	1,830
29	50	95.474	30.613,855	545.537,291	17,820	17,355	79	100	651	29,385	64,328	2,189	1,724
30	51	95.166	29.341,372	514.923,437	17,549	17,085	80	101	385	16,719	34,943	2,090	1,625
31	52	94.832	28.113,950	485.582,064	17,272	16,807	81	102	219	9,118	18,223	1,999	1,534
32	53	94.471	26.929,636	457.468,114	16,988	16,523	82	103	119	4,759	9,105	1,913	1,448
33	54	94.095	25.790,973	430.538,478	16,693	16,229	83	104	61	2,364	4,346	1,838	1,374
34	55	93.686	24.691,078	404.747,505	16,392	15,928	84	105	30	1,120	1,982	1,769	1,304
35	56	93.242	23.628,926	380.056,427	16,084	15,620	85	106					
36	57	92.770	22.605,225	356.427,500	15,767	15,303	86	107					
37	58	92.252	21.614,358	333.822,275	15,444	14,980	87	108					
38	59	91.697	20.657,965	312.207,917	15,113	14,648	88	109					
39	60	91.105	19.735,215	291.549,951	14,773	14,308	89	110					
40	61	90.464	18.842,632	271.814,736	14,426	13,961	90	111					
41	62	89.800	17.984,933	252.972,104	14,066	13,601	91	112					
42	63	89.065	17.151,735	234.987,171	13,700	13,236	92						
43	64	88.264	16.343,750	217.835,436	13,328	12,864	93						
44	65	87.402	15.561,604	201.491,686	12,948	12,483	94						
45	66	86.456	14.801,056	185.930,082	12,562	12,097	95						
46	67	85.409	14.059,498	171.129,026	12,172	11,707	96						
47	68	84.254	13.335,910	157.069,528	11,778	11,313	97						
48	69	82.978	12.628,816	143.733,618	11,381	10,917	98						
49	70	81.585	11.939,227	131.104,803	10,981	10,516	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -22 Jahre

Zinsfuß 4,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	22	99.268	99.268,313	2.269.823,902	22,866	22,401	50	72	78.766	11.083,412	113.320,186	10,224	9,759
1	23	98.789	94.989,104	2.170.555,588	22,851	22,386	51	73	76.963	10.413,131	102.236,774	9,818	9,353
2	24	98.723	91.274,958	2.075.566,485	22,740	22,275	52	74	75.004	9.757,828	91.823,644	9,410	8,945
3	25	98.676	87.722,874	1.984.291,527	22,620	22,155	53	75	72.867	9.115,190	82.065,816	9,003	8,538
4	26	98.634	84.312,778	1.896.568,653	22,494	22,030	54	76	70.532	8.483,699	72.950,626	8,599	8,134
5	27	98.593	81.036,414	1.812.255,875	22,363	21,899	55	77	68.025	7.867,474	64.466,927	8,194	7,729
6	28	98.551	77.886,253	1.731.219,461	22,228	21,763	56	78	65.319	7.263,990	56.599,453	7,792	7,327
7	29	98.510	74.859,673	1.653.333,208	22,086	21,621	57	79	62.406	6.673,070	49.335,463	7,393	6,928
8	30	98.469	71.950,500	1.578.473,534	21,938	21,474	58	80	59.264	6.093,315	42.662,393	7,002	6,537
9	31	98.425	69.152,298	1.506.523,034	21,786	21,321	59	81	55.839	5.520,425	36.569,078	6,624	6,160
10	32	98.381	66.462,622	1.437.370,736	21,627	21,162	60	82	52.172	4.959,523	31.048,652	6,260	5,796
11	33	98.337	63.877,641	1.370.908,113	21,461	20,997	61	83	48.251	4.410,376	26.089,129	5,915	5,451
12	34	98.283	61.387,397	1.307.030,472	21,292	20,827	62	84	44.256	3.889,576	21.678,754	5,574	5,109
13	35	98.224	58.990,966	1.245.643,075	21,116	20,651	63	85	40.151	3.393,098	17.789,178	5,243	4,778
14	36	98.161	56.685,692	1.186.652,110	20,934	20,469	64	86	36.135	2.936,267	14.396,079	4,903	4,438
15	37	98.088	54.464,603	1.129.966,418	20,747	20,282	65	87	31.979	2.498,636	11.459,812	4,586	4,122
16	38	98.004	52.325,350	1.075.501,815	20,554	20,089	66	88	27.716	2.082,213	8.961,176	4,304	3,839
17	39	97.898	50.258,385	1.023.176,465	20,358	19,894	67	89	23.610	1.705,523	6.878,963	4,033	3,569
18	40	97.770	48.262,223	972.918,080	20,159	19,694	68	90	19.679	1.366,928	5.173,440	3,785	3,320
19	41	97.611	46.330,443	924.655,857	19,958	19,493	69	91	16.073	1.073,515	3.806,512	3,546	3,081
20	42	97.436	44.468,623	878.325,414	19,752	19,287	70	92	12.725	817,186	2.732,998	3,344	2,880
21	43	97.253	42.677,731	833.856,791	19,538	19,074	71	93	9.823	606,564	1.915,811	3,158	2,694
22	44	97.050	40.950,880	791.179,060	19,320	18,855	72	94	7.383	438,343	1.309,248	2,987	2,522
23	45	96.842	39.291,388	750.228,180	19,094	18,629	73	95	5.391	307,773	870,905	2,830	2,365
24	46	96.617	37.692,302	710.936,793	18,862	18,397	74	96	3.820	209,709	563,132	2,685	2,220
25	47	96.373	36.151,258	673.244,490	18,623	18,158	75	97	2.623	138,472	353,423	2,552	2,087
26	48	96.116	34.667,850	637.093,233	18,377	17,912	76	98	1.743	88,480	214,951	2,429	1,965
27	49	95.843	33.240,015	602.425,383	18,123	17,659	77	99	1.120	54,645	126,471	2,314	1,850
28	50	95.544	31.861,828	569.185,367	17,864	17,399	78	100	693	32,536	71,826	2,208	1,743
29	51	95.233	30.536,505	537.323,539	17,596	17,131	79	101	413	18,629	39,291	2,109	1,644
30	52	94.901	29.259,884	506.787,034	17,320	16,855	80	102	236	10,244	20,662	2,017	1,552
31	53	94.545	28.028,956	477.527,150	17,037	16,572	81	103	129	5,392	10,418	1,932	1,467
32	54	94.172	26.844,605	449.498,194	16,744	16,280	82	104	68	2,713	5,025	1,852	1,387
33	55	93.768	25.701,266	422.653,589	16,445	15,980	83	105	34	1,298	2,312	1,782	1,317
34	56	93.331	24.597,576	396.952,323	16,138	15,673	84	106					
35	57	92.868	23.534,063	372.354,747	15,822	15,357	85	107					
36	58	92.356	22.504,336	348.820,684	15,500	15,035	86	108					
37	59	91.808	21.510,271	326.316,348	15,170	14,705	87	109					
38	60	91.231	20.552,945	304.806,076	14,830	14,365	88	110					
39	61	90.604	19.626,587	284.253,131	14,483	14,018	89	111					
40	62	89.955	18.736,598	264.626,544	14,124	13,659	90	112					
41	63	89.235	17.871,755	245.889,946	13,759	13,294	91						
42	64	88.459	17.035,072	228.018,191	13,385	12,920	92						
43	65	87.619	16.224,232	210.983,118	13,004	12,539	93						
44	66	86.688	15.434,506	194.758,887	12,618	12,154	94						
45	67	85.673	14.667,009	179.324,380	12,226	11,762	95						
46	68	84.541	13.916,583	164.657,372	11,832	11,367	96						
47	69	83.290	13.183,380	150.740,789	11,434	10,969	97						
48	70	81.919	12.467,695	137.557,409	11,033	10,568	98						
49	71	80.425	11.769,528	125.089,714	10,628	10,163	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -23 Jahre

Zinsfuß 4,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	23	99.241	99.241,437	2.260.092,111	22,774	22,309	50	73	77.346	10.883,588	107.340,235	9,863	9,398
1	24	98.763	94.964,321	2.160.850,674	22,754	22,290	51	74	75.395	10.200,991	96.456,648	9,456	8,991
2	25	98.696	91.250,160	2.065.886,353	22,640	22,175	52	75	73.297	9.535,723	86.255,657	9,046	8,581
3	26	98.652	87.701,288	1.974.636,193	22,515	22,051	53	76	70.978	8.878,856	76.719,934	8,641	8,176
4	27	98.606	84.289,174	1.886.934,905	22,386	21,922	54	77	68.490	8.238,110	67.841,078	8,235	7,770
5	28	98.564	81.012,797	1.802.645,731	22,251	21,787	55	78	65.812	7.611,525	59.602,968	7,831	7,366
6	29	98.522	77.863,135	1.721.632,934	22,111	21,646	56	79	62.899	6.994,771	51.991,443	7,433	6,968
7	30	98.481	74.837,761	1.643.769,798	21,964	21,500	57	80	59.781	6.392,360	44.996,672	7,039	6,574
8	31	98.437	71.926,943	1.568.932,037	21,813	21,348	58	81	56.377	5.796,483	38.604,313	6,660	6,195
9	32	98.390	69.127,596	1.497.005,095	21,656	21,191	59	82	52.727	5.212,695	32.807,829	6,294	5,829
10	33	98.346	66.438,990	1.427.877,498	21,492	21,027	60	83	48.801	4.639,018	27.595,134	5,948	5,484
11	34	98.297	63.852,117	1.361.438,508	21,322	20,857	61	84	44.794	4.094,337	22.956,116	5,607	5,142
12	35	98.237	61.358,617	1.297.586,391	21,148	20,683	62	85	40.699	3.577,004	18.861,778	5,273	4,808
13	36	98.174	58.960,765	1.236.227,774	20,967	20,502	63	86	36.665	3.098,494	15.284,775	4,933	4,468
14	37	98.106	56.653,639	1.177.267,009	20,780	20,315	64	87	32.492	2.640,249	12.186,281	4,616	4,151
15	38	98.028	54.431,204	1.120.613,371	20,588	20,123	65	88	28.210	2.204,102	9.546,032	4,331	3,866
16	39	97.936	52.288,748	1.066.182,167	20,390	19,925	66	89	24.070	1.808,346	7.341,929	4,060	3,595
17	40	97.820	50.218,165	1.013.893,419	20,190	19,725	67	90	20.110	1.452,722	5.533,583	3,809	3,344
18	41	97.685	48.220,236	963.675,254	19,985	19,520	68	91	16.463	1.143,487	4.080,861	3,569	3,104
19	42	97.515	46.284,646	915.455,018	19,779	19,314	69	92	13.061	872,338	2.937,374	3,367	2,902
20	43	97.327	44.418,610	869.170,372	19,568	19,103	70	93	10.111	649,344	2.065,036	3,180	2,715
21	44	97.126	42.622,335	824.751,762	19,350	18,885	71	94	7.623	470,699	1.415,691	3,008	2,543
22	45	96.915	40.893,876	782.129,427	19,126	18,661	72	95	5.588	331,764	944,992	2,848	2,384
23	46	96.689	39.229,071	741.235,552	18,895	18,430	73	96	3.974	226,898	613,229	2,703	2,238
24	47	96.443	37.624,608	702.006,480	18,658	18,193	74	97	2.740	150,396	386,331	2,569	2,104
25	48	96.186	36.080,956	664.381,873	18,414	17,949	75	98	1.828	96,480	235,935	2,445	1,981
26	49	95.912	34.594,357	628.300,917	18,162	17,697	76	99	1.179	59,815	139,456	2,331	1,867
27	50	95.613	33.160,016	593.706,560	17,904	17,439	77	100	734	35,797	79,641	2,225	1,760
28	51	95.303	31.781,325	560.546,544	17,638	17,173	78	101	440	20,626	43,844	2,126	1,661
29	52	94.968	30.451,698	528.765,219	17,364	16,899	79	102	253	11,414	23,218	2,034	1,569
30	53	94.615	29.171,425	498.313,521	17,082	16,617	80	103	140	6,058	11,805	1,948	1,484
31	54	94.247	27.940,453	469.142,096	16,791	16,326	81	104	74	3,074	5,746	1,869	1,404
32	55	93.845	26.751,233	441.201,642	16,493	16,028	82	105	37	1,489	2,672	1,794	1,329
33	56	93.413	25.603,939	414.450,410	16,187	15,722	83	106					
34	57	92.956	24.498,824	388.846,470	15,872	15,407	84	107					
35	58	92.453	23.429,028	364.347,647	15,551	15,086	85	108					
36	59	91.912	22.395,964	340.918,618	15,222	14,758	86	109					
37	60	91.341	21.400,918	318.522,654	14,884	14,419	87	110					
38	61	90.729	20.439,816	297.121,737	14,536	14,072	88	111					
39	62	90.094	19.516,142	276.681,920	14,177	13,712	89	112					
40	63	89.389	18.618,691	257.165,779	13,812	13,347	90						
41	64	88.628	17.750,195	238.547,088	13,439	12,974	91						
42	65	87.813	16.910,498	220.796,893	13,057	12,592	92						
43	66	86.903	16.091,722	203.886,396	12,670	12,205	93						
44	67	85.903	15.294,723	187.794,674	12,278	11,814	94						
45	68	84.802	14.517,919	172.499,951	11,882	11,417	95						
46	69	83.574	13.757,411	157.982,032	11,483	11,019	96						
47	70	82.228	13.015,184	144.224,621	11,081	10,616	97						
48	71	80.755	12.290,485	131.209,438	10,676	10,211	98						
49	72	79.121	11.578,717	118.918,953	10,270	9,806	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -24 Jahre

Zinsfuß 4,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	24	99.216	99.215,545	2.249.905,027	22,677	22,212	50	74	75.770	10.661,863	101.242,038	9,496	9,031
1	25	98.736	94.938,521	2.150.689,482	22,653	22,189	51	75	73.679	9.968,799	90.580,175	9,086	8,622
2	26	98.672	91.227,707	2.055.750,961	22,534	22,069	52	76	71.397	9.288,486	80.611,376	8,679	8,214
3	27	98.624	87.676,735	1.964.523,255	22,406	21,942	53	77	68.923	8.621,828	71.322,890	8,272	7,808
4	28	98.578	84.264,609	1.876.846,519	22,273	21,808	54	78	66.262	7.970,103	62.701,063	7,867	7,402
5	29	98.535	80.988,751	1.792.581,910	22,134	21,669	55	79	63.373	7.329,426	54.730,960	7,467	7,002
6	30	98.493	77.840,344	1.711.593,159	21,989	21,524	56	80	60.253	6.700,528	47.401,534	7,074	6,609
7	31	98.449	74.813,258	1.633.752,815	21,838	21,373	57	81	56.869	6.080,960	40.701,006	6,693	6,228
8	32	98.402	71.901,250	1.558.939,557	21,682	21,217	58	82	53.234	5.473,365	34.620,046	6,325	5,860
9	33	98.355	69.103,016	1.487.038,307	21,519	21,054	59	83	49.319	4.875,830	29.146,681	5,978	5,513
10	34	98.307	66.412,442	1.417.935,291	21,350	20,886	60	84	45.304	4.306,596	24.270,851	5,636	5,171
11	35	98.251	63.822,182	1.351.522,848	21,176	20,712	61	85	41.194	3.765,310	19.964,256	5,302	4,837
12	36	98.187	61.327,204	1.287.700,666	20,997	20,532	62	86	37.166	3.266,432	16.198,946	4,959	4,494
13	37	98.118	58.927,425	1.226.373,462	20,812	20,347	63	87	32.969	2.786,121	12.932,514	4,642	4,177
14	38	98.046	56.618,898	1.167.446,037	20,619	20,155	64	88	28.662	2.329,023	10.146,393	4,357	3,892
15	39	97.959	54.393,129	1.110.827,140	20,422	19,957	65	89	24.499	1.914,203	7.817,370	4,084	3,619
16	40	97.857	52.246,903	1.056.434,011	20,220	19,755	66	90	20.503	1.540,304	5.903,167	3,832	3,368
17	41	97.735	50.174,476	1.004.187,108	20,014	19,549	67	91	16.823	1.215,257	4.362,862	3,590	3,125
18	42	97.589	48.172,571	954.012,632	19,804	19,339	68	92	13.378	929,198	3.147,605	3,387	2,923
19	43	97.405	46.232,591	905.840,061	19,593	19,128	69	93	10.379	693,169	2.218,407	3,200	2,736
20	44	97.200	44.360,954	859.607,470	19,378	18,913	70	94	7.846	503,897	1.525,239	3,027	2,562
21	45	96.991	42.563,004	815.246,516	19,154	18,689	71	95	5.769	356,253	1.021,342	2,867	2,402
22	46	96.761	40.829,018	772.683,512	18,925	18,460	72	96	4.119	244,584	665,089	2,719	2,254
23	47	96.515	39.158,617	731.854,495	18,689	18,225	73	97	2.850	162,723	420,505	2,584	2,119
24	48	96.256	37.551,441	692.695,878	18,447	17,982	74	98	1.909	104,788	257,782	2,460	1,995
25	49	95.982	36.004,467	655.144,437	18,196	17,731	75	99	1.236	65,223	152,994	2,346	1,881
26	50	95.681	34.511,098	619.139,970	17,940	17,475	76	100	772	39,183	87,771	2,240	1,775
27	51	95.371	33.076,233	584.628,872	17,675	17,210	77	101	465	22,693	48,588	2,141	1,676
28	52	95.038	31.693,061	551.552,640	17,403	16,938	78	102	269	12,638	25,895	2,049	1,584
29	53	94.681	30.359,636	519.859,579	17,123	16,659	79	103	150	6,750	13,257	1,964	1,499
30	54	94.316	29.079,315	489.499,943	16,833	16,368	80	104	80	3,454	6,507	1,884	1,419
31	55	93.919	27.843,270	460.420,627	16,536	16,071	81	105	40	1,687	3,053	1,810	1,345
32	56	93.490	26.649,930	432.577,358	16,232	15,767	82	106					
33	57	93.038	25.501,147	405.927,428	15,918	15,453	83	107					
34	58	92.541	24.389,483	380.426,282	15,598	15,133	84	108					
35	59	92.008	23.316,203	356.036,798	15,270	14,805	85	109					
36	60	91.444	22.282,108	332.720,595	14,932	14,467	86	110					
37	61	90.838	21.283,122	310.438,488	14,586	14,121	87	111					
38	62	90.218	20.324,794	289.155,366	14,227	13,762	88	112					
39	63	89.527	19.393,329	268.830,572	13,862	13,397	89						
40	64	88.781	18.492,049	249.437,243	13,489	13,024	90						
41	65	87.980	17.620,391	230.945,194	13,107	12,642	91						
42	66	87.095	16.772,383	213.324,803	12,719	12,254	92						
43	67	86.116	15.945,986	196.552,420	12,326	11,861	93						
44	68	85.030	15.139,252	180.606,434	11,930	11,465	94						
45	69	83.832	14.351,869	165.467,182	11,529	11,064	95						
46	70	82.508	13.581,892	151.115,313	11,126	10,661	96						
47	71	81.059	12.830,192	137.533,421	10,720	10,255	97						
48	72	79.446	12.091,228	124.703,229	10,314	9,849	98						
49	73	77.695	11.369,963	112.612,001	9,904	9,440	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -25 Jahre

Zinsfuß 4,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	25	99.189	99.188,590	2.239.246,614	22,576	22,111	50	75	74.046	10.419,181	95.047,537	9,122	8,658
1	26	98.712	94.915,160	2.140.058,024	22,547	22,082	51	76	71.769	9.710,332	84.628,356	8,715	8,250
2	27	98.644	91.202,167	2.045.142,864	22,424	21,959	52	77	69.330	9.019,599	74.918,024	8,306	7,841
3	28	98.596	87.651,184	1.953.940,698	22,292	21,827	53	78	66.681	8.341,338	65.898,424	7,900	7,435
4	29	98.548	84.239,598	1.866.289,514	22,155	21,690	54	79	63.806	7.674,714	57.557,086	7,500	7,035
5	30	98.506	80.965,045	1.782.049,916	22,010	21,545	55	80	60.707	7.021,105	49.882,372	7,105	6,640
6	31	98.461	77.814,858	1.701.084,871	21,861	21,396	56	81	57.317	6.374,116	42.861,267	6,724	6,259
7	32	98.414	74.786,534	1.623.270,014	21,705	21,241	57	82	53.699	5.741,984	36.487,151	6,354	5,890
8	33	98.367	71.875,683	1.548.483,480	21,544	21,079	58	83	49.794	5.119,653	30.745,167	6,005	5,541
9	34	98.316	69.075,404	1.476.607,796	21,377	20,912	59	84	45.785	4.526,438	25.625,514	5,661	5,196
10	35	98.261	66.381,307	1.407.532,392	21,204	20,739	60	85	41.663	3.960,511	21.099,076	5,327	4,863
11	36	98.201	63.789,508	1.341.151,085	21,025	20,560	61	86	37.617	3.438,388	17.138,565	4,984	4,520
12	37	98.131	61.292,526	1.277.361,577	20,840	20,376	62	87	33.419	2.937,128	13.700,177	4,664	4,200
13	38	98.058	58.891,289	1.216.069,051	20,649	20,185	63	88	29.082	2.457,700	10.763,048	4,379	3,914
14	39	97.977	56.579,292	1.157.177,762	20,452	19,987	64	89	24.892	2.022,693	8.305,349	4,106	3,641
15	40	97.881	54.349,600	1.100.598,470	20,250	19,786	65	90	20.868	1.630,471	6.282,655	3,853	3,388
16	41	97.772	52.201,449	1.046.248,870	20,043	19,578	66	91	17.151	1.288,523	4.652,184	3,610	3,146
17	42	97.638	50.124,880	994.047,420	19,831	19,367	67	92	13.670	987,518	3.363,661	3,406	2,941
18	43	97.479	48.118,392	943.922,541	19,617	19,152	68	93	10.630	738,350	2.376,143	3,218	2,753
19	44	97.279	46.172,580	895.804,148	19,401	18,936	69	94	8.054	537,905	1.637,793	3,045	2,580
20	45	97.065	44.299,203	849.631,569	19,179	18,715	70	95	5.939	381,379	1.099,888	2,884	2,419
21	46	96.837	42.495,499	805.332,365	18,951	18,486	71	96	4.253	262,638	718,509	2,736	2,271
22	47	96.588	40.755,690	762.836,867	18,717	18,252	72	97	2.954	175,407	455,871	2,599	2,134
23	48	96.327	39.082,467	722.081,177	18,476	18,011	73	98	1.986	113,376	280,464	2,474	2,009
24	49	96.052	37.471,834	682.998,710	18,227	17,762	74	99	1.290	70,839	167,087	2,359	1,894
25	50	95.751	35.917,814	645.526,876	17,972	17,508	75	100	809	42,726	96,248	2,253	1,788
26	51	95.439	34.423,901	609.609,062	17,709	17,244	76	101	489	24,840	53,522	2,155	1,690
27	52	95.106	32.984,372	575.185,161	17,438	16,973	77	102	285	13,904	28,682	2,063	1,598
28	53	94.751	31.597,246	542.200,789	17,160	16,695	78	103	159	7,474	14,778	1,977	1,512
29	54	94.382	30.263,774	510.603,542	16,872	16,407	79	104	85	3,848	7,304	1,898	1,433
30	55	93.988	28.978,171	480.339,768	16,576	16,111	80	105	44	1,896	3,456	1,823	1,358
31	56	93.563	27.737,831	451.361,598	16,272	15,808	81	106					
32	57	93.114	26.542,938	423.623,767	15,960	15,495	82	107					
33	58	92.623	25.387,333	397.080,829	15,641	15,176	83	108					
34	59	92.096	24.272,033	371.693,496	15,314	14,849	84	109					
35	60	91.540	23.197,668	347.421,464	14,977	14,512	85	110					
36	61	90.941	22.159,461	324.223,795	14,631	14,167	86	111					
37	62	90.327	21.163,354	302.064,334	14,273	13,808	87	112					
38	63	89.650	20.196,892	280.900,980	13,908	13,443	88						
39	64	88.918	19.261,418	260.704,088	13,535	13,070	89						
40	65	88.131	18.356,820	241.442,669	13,153	12,688	90						
41	66	87.261	17.476,478	223.085,849	12,765	12,300	91						
42	67	86.307	16.620,483	205.609,370	12,371	11,906	92						
43	68	85.241	15.783,895	188.988,888	11,974	11,509	93						
44	69	84.057	14.966,095	173.204,992	11,573	11,108	94						
45	70	82.762	14.168,765	158.238,897	11,168	10,703	95						
46	71	81.335	13.388,845	144.070,131	10,760	10,296	96						
47	72	79.745	12.622,185	130.681,287	10,353	9,888	97						
48	73	78.013	11.873,234	118.059,101	9,943	9,478	98						
49	74	76.112	11.138,330	106.185,867	9,533	9,069	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 1 Jahr

Zinsfuß 4,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	49	91.859	12.925,719	200.658,898	15,524	15,059
1	0	99.544	95.715,163	2.295.697,190	23,985	23,520	51	50	91.184	12.337,225	187.733,179	15,217	14,752
2	1	99.126	91.647,325	2.199.982,026	24,005	23,540	52	51	90.482	11.771,440	175.395,955	14,900	14,435
3	2	99.070	88.073,132	2.108.334,702	23,938	23,474	53	52	89.702	11.221,060	163.624,515	14,582	14,117
4	3	99.033	84.653,515	2.020.261,570	23,865	23,400	54	53	88.868	10.689,248	152.403,455	14,258	13,793
5	4	99.002	81.372,725	1.935.608,055	23,787	23,322	55	54	87.986	10.176,101	141.714,207	13,926	13,461
6	5	98.976	78.222,186	1.854.235,331	23,705	23,240	56	55	87.024	9.677,691	131.538,106	13,592	13,127
7	6	98.952	75.195,043	1.776.013,145	23,619	23,154	57	56	86.015	9.197,635	121.860,415	13,249	12,784
8	7	98.930	72.287,337	1.700.818,102	23,529	23,064	58	57	84.929	8.732,157	112.662,779	12,902	12,437
9	8	98.910	69.492,737	1.628.530,765	23,435	22,970	59	58	83.744	8.279,172	103.930,622	12,553	12,088
10	9	98.891	66.807,273	1.559.038,028	23,336	22,872	60	59	82.465	7.839,132	95.651,450	12,202	11,737
11	10	98.875	64.227,576	1.492.230,755	23,233	22,769	61	60	81.122	7.414,878	87.812,318	11,843	11,378
12	11	98.853	61.743,170	1.428.003,179	23,128	22,663	62	61	79.706	7.005,282	80.397,440	11,477	11,012
13	12	98.831	59.355,113	1.366.260,009	23,018	22,554	63	62	78.190	6.607,723	73.392,158	11,107	10,642
14	13	98.809	57.059,977	1.306.904,897	22,904	22,439	64	63	76.575	6.222,360	66.784,436	10,733	10,268
15	14	98.782	54.849,926	1.249.844,919	22,787	22,322	65	64	74.854	5.848,562	60.562,076	10,355	9,890
16	15	98.747	52.721,728	1.194.994,994	22,666	22,201	66	65	73.005	5.484,726	54.713,513	9,976	9,511
17	16	98.691	50.665,499	1.142.273,265	22,545	22,081	67	66	71.024	5.130,615	49.228,787	9,595	9,130
18	17	98.620	48.681,822	1.091.607,766	22,423	21,958	68	67	68.873	4.783,890	44.098,172	9,218	8,753
19	18	98.524	46.763,648	1.042.925,945	22,302	21,837	69	68	66.561	4.445,501	39.314,282	8,844	8,379
20	19	98.416	44.915,909	996.162,297	22,178	21,714	70	69	64.105	4.116,813	34.868,780	8,470	8,005
21	20	98.314	43.143,577	951.246,387	22,048	21,584	71	70	61.483	3.796,523	30.751,968	8,100	7,635
22	21	98.206	41.438,589	908.102,810	21,914	21,450	72	71	58.700	3.485,293	26.955,445	7,734	7,269
23	22	98.108	39.805,014	866.664,222	21,773	21,308	73	72	55.716	3.180,844	23.470,152	7,379	6,914
24	23	98.009	38.235,328	826.859,208	21,626	21,161	74	73	52.589	2.886,878	20.289,308	7,028	6,563
25	24	97.912	36.728,477	788.623,880	21,472	21,007	75	74	49.330	2.603,844	17.402,430	6,683	6,219
26	25	97.814	35.280,424	751.895,403	21,312	20,847	76	75	45.979	2.333,583	14.798,586	6,342	5,877
27	26	97.720	33.890,882	716.614,979	21,145	20,680	77	76	42.552	2.076,620	12.465,002	6,003	5,538
28	27	97.623	32.554,965	682.724,097	20,971	20,507	78	77	39.059	1.832,817	10.388,383	5,668	5,203
29	28	97.522	31.270,726	650.169,132	20,792	20,327	79	78	35.494	1.601,493	8.555,566	5,342	4,877
30	29	97.425	30.037,940	618.898,405	20,604	20,139	80	79	31.903	1.384,079	6.954,073	5,024	4,560
31	30	97.325	28.853,086	588.860,466	20,409	19,944	81	80	28.289	1.180,116	5.569,994	4,720	4,255
32	31	97.217	27.712,367	560.007,380	20,208	19,743	82	81	24.702	990,821	4.389,879	4,431	3,966
33	32	97.102	26.615,166	532.295,013	20,000	19,535	83	82	21.136	815,165	3.399,057	4,170	3,705
34	33	96.983	25.559,965	505.679,848	19,784	19,319	84	83	17.755	658,454	2.583,893	3,924	3,459
35	34	96.851	24.543,605	480.119,883	19,562	19,097	85	84	14.665	522,951	1.925,439	3,682	3,217
36	35	96.705	23.563,871	455.576,278	19,334	18,869	86	85	11.920	408,692	1.402,488	3,432	2,967
37	36	96.546	22.620,405	432.012,407	19,098	18,634	87	86	9.443	311,317	993,797	3,192	2,727
38	37	96.375	21.711,828	409.392,002	18,856	18,391	88	87	7.216	228,744	682,480	2,984	2,519
39	38	96.183	20.835,206	387.680,174	18,607	18,142	89	88	5.312	161,909	453,736	2,802	2,338
40	39	95.968	19.988,981	366.844,969	18,352	17,888	90	89	3.784	110,896	291,827	2,632	2,167
41	40	95.726	19.171,719	346.855,987	18,092	17,627	91	90	2.598	73,204	180,931	2,472	2,007
42	41	95.461	18.383,319	327.684,268	17,825	17,360	92	91	1.711	46,358	107,727	2,324	1,859
43	42	95.156	17.619,848	309.300,950	17,554	17,089	93	92	1.071	27,894	61,368	2,200	1,735
44	43	94.814	16.881,214	291.681,101	17,278	16,814	94	93	640	16,034	33,474	2,088	1,623
45	44	94.436	16.167,375	274.799,888	16,997	16,532	95	94	365	8,783	17,440	1,986	1,521
46	45	94.015	15.476,146	258.632,512	16,712	16,247	96	95	197	4,573	8,657	1,893	1,428
47	46	93.547	14.806,879	243.156,367	16,422	15,957	97	96	101	2,258	4,084	1,809	1,344
48	47	93.029	14.158,547	228.349,488	16,128	15,663	98	97	49	1,054	1,827	1,733	1,268
49	48	92.469	13.532,043	214.190,941	15,828	15,364	99	98	23	0,464	0,772	1,664	1,199
							100	99	10	0,193	0,308	1,601	1,136

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 2 Jahre

Zinsfuß 4,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	48	92.054	12.953,179	202.368,166	15,623	15,158
1							51	49	91.404	12.366,988	189.414,987	15,316	14,851
2	0	99.504	91.996,630	2.202.608,925	23,942	23,477	52	50	90.711	11.801,258	177.047,998	15,002	14,538
3	1	99.106	88.104,686	2.110.612,295	23,956	23,491	53	51	89.952	11.252,310	165.246,741	14,686	14,221
4	2	99.052	84.670,255	2.022.507,609	23,887	23,422	54	52	89.138	10.721,662	153.994,431	14,363	13,898
5	3	99.019	81.386,694	1.937.837,354	23,810	23,345	55	53	88.265	10.208,334	143.272,769	14,035	13,570
6	4	98.989	78.232,290	1.856.450,660	23,730	23,265	56	54	87.328	9.711,470	133.064,434	13,702	13,237
7	5	98.964	75.204,874	1.778.218,370	23,645	23,180	57	55	86.342	9.232,598	123.352,964	13,361	12,896
8	6	98.939	72.293,998	1.703.013,496	23,557	23,092	58	56	85.271	8.767,356	114.120,367	13,017	12,552
9	7	98.918	69.498,790	1.630.719,498	23,464	22,999	59	57	84.119	8.316,288	105.353,011	12,668	12,203
10	8	98.901	66.813,687	1.561.220,708	23,367	22,902	60	58	82.864	7.877,065	97.036,723	12,319	11,854
11	9	98.882	64.231,726	1.494.407,021	23,266	22,801	61	59	81.536	7.452,766	89.159,657	11,963	11,498
12	10	98.861	61.748,362	1.430.175,295	23,161	22,697	62	60	80.147	7.044,054	81.706,891	11,599	11,135
13	11	98.840	59.360,680	1.368.426,933	23,053	22,588	63	61	78.633	6.645,117	74.662,837	11,236	10,771
14	12	98.818	57.064,824	1.309.066,253	22,940	22,475	64	62	77.060	6.261,765	68.017,720	10,862	10,398
15	13	98.791	54.855,241	1.252.001,429	22,824	22,359	65	63	75.367	5.888,616	61.755,955	10,487	10,023
16	14	98.758	52.727,872	1.197.146,189	22,704	22,239	66	64	73.543	5.525,130	55.867,340	10,111	9,647
17	15	98.709	50.674,553	1.144.418,316	22,584	22,119	67	65	71.609	5.172,864	50.342,209	9,732	9,267
18	16	98.641	48.692,133	1.093.743,763	22,462	21,998	68	66	69.502	4.827,612	45.169,346	9,356	8,892
19	17	98.546	46.773,939	1.045.051,630	22,343	21,878	69	67	67.245	4.491,154	40.341,734	8,982	8,518
20	18	98.445	44.928,831	998.277,691	22,219	21,754	70	68	64.847	4.164,444	35.850,580	8,609	8,144
21	19	98.341	43.155,540	953.348,860	22,091	21,626	71	69	62.277	3.845,585	31.686,136	8,240	7,775
22	20	98.237	41.451,681	910.193,320	21,958	21,493	72	70	59.547	3.535,546	27.840,551	7,874	7,410
23	21	98.132	39.814,755	868.741,639	21,820	21,355	73	71	56.634	3.233,263	24.305,005	7,517	7,052
24	22	98.035	38.245,683	828.926,883	21,674	21,209	74	72	53.555	2.939,882	21.071,742	7,168	6,703
25	23	97.938	36.738,063	790.681,201	21,522	21,057	75	73	50.356	2.657,994	18.131,861	6,822	6,357
26	24	97.840	35.290,011	753.943,138	21,364	20,899	76	74	47.050	2.387,937	15.473,867	6,480	6,015
27	25	97.744	33.899,223	718.653,127	21,200	20,735	77	75	43.685	2.131,894	13.085,930	6,138	5,673
28	26	97.650	32.564,082	684.753,903	21,028	20,563	78	76	40.223	1.887,455	10.954,036	5,804	5,339
29	27	97.551	31.279,842	652.189,822	20,850	20,385	79	77	36.688	1.655,345	9.066,581	5,477	5,012
30	28	97.454	30.046,858	620.909,979	20,665	20,200	80	78	33.131	1.437,350	7.411,235	5,156	4,691
31	29	97.354	28.861,534	590.863,121	20,472	20,008	81	79	29.532	1.231,939	5.973,885	4,849	4,384
32	30	97.248	27.721,443	562.001,587	20,273	19,808	82	80	25.967	1.041,560	4.741,946	4,553	4,088
33	31	97.137	26.624,676	534.280,144	20,067	19,602	83	81	22.383	863,288	3.700,386	4,286	3,822
34	32	97.017	25.569,056	507.655,468	19,854	19,389	84	82	18.982	703,946	2.837,098	4,030	3,565
35	33	96.890	24.553,416	482.086,412	19,634	19,169	85	83	15.797	563,317	2.133,153	3,787	3,322
36	34	96.750	23.574,923	457.532,996	19,408	18,943	86	84	12.961	444,405	1.569,836	3,532	3,068
37	35	96.595	22.631,991	433.958,072	19,175	18,710	87	85	10.341	340,917	1.125,432	3,301	2,836
38	36	96.429	21.724,112	411.326,081	18,934	18,469	88	86	8.025	254,390	784,514	3,084	2,619
39	37	96.242	20.847,990	389.601,969	18,688	18,223	89	87	6.022	183,545	530,124	2,888	2,423
40	38	96.035	20.002,974	368.753,979	18,435	17,970	90	88	4.357	127,691	346,579	2,714	2,249
41	39	95.802	19.187,074	348.751,005	18,176	17,712	91	89	3.050	85,943	218,888	2,547	2,082
42	40	95.544	18.399,326	329.563,932	17,912	17,447	92	90	2.045	55,417	132,945	2,399	1,934
43	41	95.250	17.637,282	311.164,606	17,642	17,178	93	91	1.317	34,327	77,529	2,259	1,794
44	42	94.920	16.900,221	293.527,323	17,368	16,903	94	92	805	20,178	43,202	2,141	1,676
45	43	94.559	16.188,388	276.627,103	17,088	16,623	95	93	470	11,318	23,023	2,034	1,569
46	44	94.146	15.497,719	260.438,714	16,805	16,340	96	94	261	6,042	11,705	1,937	1,472
47	45	93.696	14.830,400	244.940,996	16,516	16,051	97	95	137	3,062	5,663	1,849	1,384
48	46	93.197	14.184,021	230.110,596	16,223	15,758	98	96	69	1,470	2,601	1,769	1,305
49	47	92.649	13.558,409	215.926,575	15,926	15,461	99	97	32	0,666	1,131	1,697	1,232
							100	98	14	0,285	0,464	1,631	1,166

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 3 Jahre

Zinsfuß 4,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	47	92.234	12.978,417	203.949,413	15,715	15,250
1							51	48	91.598	12.393,261	190.970,995	15,409	14,944
2							52	49	90.930	11.829,728	178.577,734	15,096	14,631
3	0	99.484	88.440,489	2.113.049,746	23,892	23,428	53	50	90.179	11.280,812	166.748,006	14,782	14,317
4	1	99.088	84.700,590	2.024.609,258	23,903	23,438	54	51	89.386	10.751,522	155.467,193	14,460	13,995
5	2	99.039	81.402,789	1.939.908,668	23,831	23,366	55	52	88.533	10.239,290	144.715,672	14,133	13,669
6	3	99.006	78.245,721	1.858.505,879	23,752	23,287	56	53	87.604	9.742,231	134.476,382	13,803	13,339
7	4	98.977	75.214,588	1.780.260,159	23,669	23,204	57	54	86.644	9.264,823	124.734,151	13,463	12,998
8	5	98.952	72.303,450	1.705.045,570	23,582	23,117	58	55	85.595	8.800,683	115.469,327	13,120	12,656
9	6	98.928	69.505,194	1.632.742,120	23,491	23,026	59	56	84.459	8.349,810	106.668,645	12,775	12,310
10	7	98.909	66.819,506	1.563.236,926	23,395	22,930	60	57	83.235	7.912,379	98.318,834	12,426	11,961
11	8	98.891	64.237,893	1.496.417,420	23,295	22,830	61	58	81.931	7.488,829	90.406,455	12,072	11,607
12	9	98.868	61.752,353	1.432.179,528	23,192	22,727	62	59	80.557	7.080,047	82.917,626	11,711	11,247
13	10	98.848	59.365,672	1.370.427,175	23,085	22,620	63	60	79.068	6.681,896	75.837,579	11,350	10,885
14	11	98.827	57.070,176	1.311.061,503	22,973	22,508	64	61	77.496	6.297,201	69.155,682	10,982	10,517
15	12	98.800	54.859,900	1.253.991,328	22,858	22,393	65	62	75.844	5.925,907	62.858,481	10,607	10,143
16	13	98.768	52.732,982	1.199.131,428	22,740	22,275	66	63	74.047	5.562,969	56.932,574	10,234	9,769
17	14	98.720	50.680,459	1.146.398,446	22,620	22,155	67	64	72.136	5.210,970	51.369,606	9,858	9,393
18	15	98.659	48.700,835	1.095.717,987	22,499	22,034	68	65	70.075	4.867,366	46.158,635	9,483	9,018
19	16	98.567	46.783,846	1.047.017,152	22,380	21,915	69	66	67.859	4.532,200	41.291,269	9,111	8,646
20	17	98.466	44.938,718	1.000.233,306	22,258	21,793	70	67	65.513	4.207,210	36.759,069	8,737	8,272
21	18	98.370	43.167,955	955.294,588	22,130	21,665	71	68	62.998	3.890,078	32.551,859	8,368	7,903
22	19	98.264	41.463,175	912.126,633	21,998	21,534	72	69	60.316	3.581,236	28.661,781	8,003	7,538
23	20	98.163	39.827,335	870.663,458	21,861	21,396	73	70	57.450	3.279,881	25.080,545	7,647	7,182
24	21	98.059	38.255,042	830.836,123	21,718	21,254	74	71	54.437	2.988,329	21.800,664	7,295	6,830
25	22	97.964	36.748,012	792.581,081	21,568	21,103	75	72	51.281	2.706,795	18.812,334	6,950	6,485
26	23	97.866	35.299,221	755.833,069	21,412	20,947	76	73	48.028	2.437,596	16.105,540	6,607	6,142
27	24	97.771	33.908,436	720.533,848	21,249	20,785	77	74	44.703	2.181,550	13.667,943	6,265	5,800
28	25	97.674	32.572,097	686.625,412	21,080	20,615	78	75	41.294	1.937,695	11.486,393	5,928	5,463
29	26	97.578	31.288,602	654.053,315	20,904	20,439	79	76	37.782	1.704,693	9.548,698	5,601	5,137
30	27	97.482	30.055,617	622.764,713	20,720	20,256	80	77	34.245	1.485,683	7.844,005	5,280	4,815
31	28	97.383	28.870,103	592.709,096	20,530	20,065	81	78	30.668	1.279,354	6.358,322	4,970	4,505
32	29	97.277	27.729,560	563.838,993	20,333	19,869	82	79	27.107	1.087,299	5.078,967	4,671	4,206
33	30	97.169	26.633,396	536.109,433	20,129	19,664	83	80	23.529	907,496	3.991,669	4,399	3,934
34	31	97.052	25.578,193	509.476,037	19,918	19,454	84	81	20.102	745,503	3.084,173	4,137	3,672
35	32	96.924	24.562,150	483.897,843	19,701	19,236	85	82	16.889	602,236	2.338,670	3,883	3,418
36	33	96.789	23.584,347	459.335,694	19,476	19,011	86	83	13.962	478,708	1.736,435	3,627	3,163
37	34	96.641	22.642,607	435.751,347	19,245	18,780	87	84	11.244	370,708	1.257,727	3,393	2,928
38	35	96.479	21.735,239	413.108,740	19,006	18,542	88	85	8.788	278,578	887,019	3,184	2,719
39	36	96.296	20.859,785	391.373,501	18,762	18,297	89	86	6.697	204,123	608,441	2,981	2,516
40	37	96.094	20.015,248	370.513,715	18,512	18,047	90	87	4.939	144,754	404,318	2,793	2,328
41	38	95.869	19.200,505	350.498,468	18,255	17,790	91	88	3.511	98,959	259,564	2,623	2,158
42	39	95.620	18.414,062	331.297,963	17,992	17,527	92	89	2.401	65,060	160,605	2,469	2,004
43	40	95.333	17.652,640	312.883,901	17,724	17,260	93	90	1.575	41,034	95,545	2,328	1,864
44	41	95.014	16.916,943	295.231,262	17,452	16,987	94	91	991	24,832	54,510	2,195	1,730
45	42	94.666	16.206,615	278.314,319	17,173	16,708	95	92	591	14,244	29,678	2,084	1,619
46	43	94.268	15.517,861	262.107,703	16,891	16,426	96	93	336	7,786	15,435	1,982	1,518
47	44	93.826	14.851,072	246.589,842	16,604	16,139	97	94	182	4,046	7,649	1,890	1,425
48	45	93.345	14.206,553	231.738,769	16,312	15,847	98	95	93	1,994	3,602	1,807	1,342
49	46	92.816	13.582,803	217.532,216	16,015	15,550	99	96	45	0,929	1,609	1,731	1,266
							100	97	21	0,409	0,679	1,662	1,197

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 4 Jahre

Zinsfuß 4,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	46	92.399	13.001,768	205.410,452	15,799	15,334
1							51	47	91.776	12.417,409	192.408,683	15,495	15,030
2							52	48	91.123	11.854,860	179.991,274	15,183	14,718
3							53	49	90.397	11.308,028	168.136,414	14,869	14,404
4	0	99.465	85.023,418	2.026.869,413	23,839	23,374	54	50	89.613	10.778,755	156.828,387	14,550	14,085
5	1	99.074	81.431,953	1.941.845,994	23,846	23,381	55	51	88.779	10.267,806	146.049,631	14,224	13,759
6	2	99.025	78.261,194	1.860.414,041	23,772	23,307	56	52	87.870	9.771,774	135.781,825	13,895	13,430
7	3	98.994	75.227,501	1.782.152,848	23,690	23,225	57	53	86.918	9.294,170	126.010,052	13,558	13,093
8	4	98.965	72.312,789	1.706.925,347	23,605	23,140	58	54	85.894	8.831,401	116.715,882	13,216	12,751
9	5	98.940	69.514,282	1.634.612,557	23,515	23,050	59	55	84.780	8.381,550	107.884,481	12,872	12,407
10	6	98.918	66.825,664	1.565.098,276	23,421	22,956	60	56	83.571	7.944,273	99.502,931	12,525	12,060
11	7	98.900	64.243,488	1.498.272,612	23,322	22,857	61	57	82.298	7.522,403	91.558,658	12,171	11,707
12	8	98.877	61.758,281	1.434.029,125	23,220	22,755	62	58	80.947	7.114,307	84.036,256	11,812	11,347
13	9	98.855	59.369,508	1.372.270,844	23,114	22,649	63	59	79.472	6.716,039	76.921,949	11,453	10,989
14	10	98.835	57.074,975	1.312.901,336	23,003	22,538	64	60	77.925	6.332,054	70.205,910	11,087	10,623
15	11	98.809	54.865,045	1.255.826,360	22,889	22,425	65	61	76.273	5.959,443	63.873,855	10,718	10,253
16	12	98.776	52.737,461	1.200.961,315	22,772	22,308	66	62	74.516	5.598,198	57.914,412	10,345	9,880
17	13	98.730	50.685,369	1.148.223,855	22,654	22,189	67	63	72.630	5.246,657	52.316,215	9,971	9,507
18	14	98.670	48.706,510	1.097.538,485	22,534	22,069	68	64	70.591	4.903,222	47.069,557	9,600	9,135
19	15	98.584	46.792,207	1.048.831,975	22,415	21,950	69	65	68.418	4.569,521	42.166,335	9,228	8,763
20	16	98.487	44.948,237	1.002.039,768	22,293	21,828	70	66	66.112	4.245,661	37.596,814	8,855	8,391
21	17	98.391	43.177,455	957.091,531	22,166	21,702	71	67	63.645	3.930,027	33.351,153	8,486	8,021
22	18	98.293	41.475,103	913.914,076	22,035	21,570	72	68	61.014	3.622,620	29.421,126	8,121	7,657
23	19	98.190	39.838,378	872.438,973	21,899	21,435	73	69	58.193	3.322,267	25.798,455	7,765	7,300
24	20	98.090	38.267,129	832.600,595	21,758	21,293	74	70	55.222	3.031,416	22.476,188	7,414	6,950
25	21	97.988	36.757,005	794.333,466	21,610	21,146	75	71	52.126	2.751,401	19.444,772	7,067	6,602
26	22	97.893	35.308,781	757.576,460	21,456	20,991	76	72	48.910	2.482,351	16.693,370	6,725	6,260
27	23	97.796	33.917,285	722.267,680	21,295	20,830	77	73	45.632	2.226,918	14.211,020	6,381	5,917
28	24	97.701	32.580,948	688.350,395	21,127	20,663	78	74	42.256	1.982,827	11.984,102	6,044	5,579
29	25	97.602	31.296,303	655.769,447	20,954	20,489	79	75	38.787	1.750,068	10.001,274	5,715	5,250
30	26	97.510	30.064,034	624.473,144	20,771	20,307	80	76	35.266	1.529,973	8.251,206	5,393	4,928
31	27	97.411	28.878,519	594.409,110	20,583	20,118	81	77	31.700	1.322,374	6.721,232	5,083	4,618
32	28	97.306	27.737,793	565.530,591	20,388	19,924	82	78	28.150	1.129,147	5.398,858	4,781	4,317
33	29	97.197	26.641,195	537.792,798	20,187	19,722	83	79	24.563	947,347	4.269,711	4,507	4,042
34	30	97.084	25.586,571	511.151,603	19,977	19,513	84	80	21.132	783,679	3.322,364	4,239	3,775
35	31	96.959	24.570,927	485.565,032	19,762	19,297	85	81	17.886	637,788	2.538,685	3,980	3,516
36	32	96.823	23.592,736	460.994,106	19,540	19,075	86	82	14.926	511,781	1.900,896	3,714	3,249
37	33	96.679	22.651,658	437.401,369	19,310	18,845	87	83	12.112	399,323	1.389,115	3,479	3,014
38	34	96.524	21.745,434	414.749,712	19,073	18,608	88	84	9.556	302,921	989,792	3,267	2,803
39	35	96.346	20.870,470	393.004,278	18,831	18,366	89	85	7.333	223,531	686,872	3,073	2,608
40	36	96.148	20.026,572	372.133,808	18,582	18,117	90	86	5.493	160,983	463,340	2,878	2,413
41	37	95.928	19.212,286	352.107,236	18,327	17,862	91	87	3.981	112,183	302,357	2,695	2,230
42	38	95.687	18.426,952	332.894,950	18,066	17,601	92	88	2.765	74,914	190,174	2,539	2,074
43	39	95.409	17.666,778	314.467,998	17,800	17,335	93	89	1.849	48,175	115,261	2,393	1,928
44	40	95.097	16.931,673	296.801,220	17,529	17,065	94	90	1.185	29,684	67,086	2,260	1,795
45	41	94.759	16.222,651	279.869,547	17,252	16,787	95	91	728	17,528	37,401	2,134	1,669
46	42	94.374	15.535,333	263.646,896	16,971	16,506	96	92	423	9,799	19,873	2,028	1,563
47	43	93.948	14.870,375	248.111,562	16,685	16,220	97	93	234	5,214	10,074	1,932	1,467
48	44	93.475	14.226,356	233.241,188	16,395	15,930	98	94	123	2,634	4,860	1,845	1,380
49	45	92.963	13.604,380	219.014,832	16,099	15,634	99	95	61	1,261	2,226	1,766	1,301
							100	96	29	0,570	0,965	1,694	1,229

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 5 Jahre

Zinsfuß 4,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	45	92.546	13.022,422	206.758,058	15,877	15,412
1							51	46	91.942	12.439,750	193.735,636	15,574	15,109
2							52	47	91.301	11.877,958	181.295,885	15,263	14,798
3							53	48	90.589	11.332,051	169.417,927	14,950	14,486
4							54	49	89.829	10.804,760	158.085,876	14,631	14,166
5	0	99.452	81.742,323	1.943.940,613	23,781	23,317	55	50	89.004	10.293,815	147.281,117	14,308	13,843
6	1	99.061	78.289,232	1.862.198,290	23,786	23,321	56	51	88.115	9.798,988	136.987,302	13,980	13,515
7	2	99.014	75.242,377	1.783.909,058	23,709	23,244	57	52	87.182	9.322,353	127.188,314	13,643	13,179
8	3	98.982	72.325,204	1.708.666,680	23,625	23,160	58	53	86.166	8.859,374	117.865,961	13,304	12,839
9	4	98.953	69.523,261	1.636.341,476	23,537	23,072	59	54	85.076	8.410,805	109.006,586	12,960	12,495
10	5	98.931	66.834,400	1.566.818,216	23,443	22,978	60	55	83.888	7.974,471	100.595,782	12,615	12,150
11	6	98.909	64.249,408	1.499.983,815	23,346	22,881	61	56	82.630	7.552,725	92.621,311	12,263	11,798
12	7	98.886	61.763,660	1.435.734,407	23,246	22,781	62	57	81.310	7.146,201	85.068,586	11,904	11,439
13	8	98.864	59.375,207	1.373.970,748	23,140	22,676	63	58	79.856	6.748,538	77.922,385	11,547	11,082
14	9	98.842	57.078,664	1.314.595,540	23,031	22,566	64	59	78.323	6.364,410	71.173,847	11,183	10,718
15	10	98.817	54.869,659	1.257.516,877	22,918	22,453	65	60	76.695	5.992,426	64.809,437	10,815	10,350
16	11	98.786	52.742,407	1.202.647,217	22,802	22,337	66	61	74.938	5.629,879	58.817,011	10,447	9,982
17	12	98.738	50.689,674	1.149.904,811	22,685	22,220	67	62	73.090	5.279,883	53.187,132	10,074	9,609
18	13	98.680	48.711,230	1.099.215,136	22,566	22,101	68	63	71.074	4.936,801	47.907,249	9,704	9,239
19	14	98.596	46.797,660	1.050.503,906	22,448	21,983	69	64	68.922	4.603,183	42.970,447	9,335	8,870
20	15	98.505	44.956,269	1.003.706,246	22,326	21,861	70	65	66.656	4.280,623	38.367,264	8,963	8,498
21	16	98.412	43.186,600	958.749,977	22,200	21,735	71	66	64.226	3.965,945	34.086,641	8,595	8,130
22	17	98.314	41.484,230	915.563,376	22,070	21,605	72	67	61.641	3.659,873	30.120,696	8,230	7,765
23	18	98.219	39.849,839	874.079,146	21,934	21,469	73	68	58.866	3.360,706	26.460,823	7,874	7,409
24	19	98.117	38.277,740	834.229,307	21,794	21,329	74	69	55.936	3.070,591	23.100,117	7,523	7,058
25	20	98.019	36.768,619	795.951,567	21,648	21,183	75	70	52.878	2.791,072	20.029,526	7,176	6,711
26	21	97.916	35.317,422	759.182,948	21,496	21,031	76	71	49.716	2.523,259	17.238,454	6,832	6,367
27	22	97.823	33.926,470	723.865,526	21,336	20,871	77	72	46.470	2.267,804	14.715,195	6,489	6,024
28	23	97.726	32.589,451	689.939,056	21,171	20,706	78	73	43.134	2.024,062	12.447,391	6,150	5,685
29	24	97.629	31.304,808	657.349,605	20,998	20,534	79	74	39.691	1.790,831	10.423,329	5,820	5,356
30	25	97.534	30.071,434	626.044,797	20,819	20,354	80	75	36.204	1.570,698	8.632,498	5,496	5,031
31	26	97.438	28.886,606	595.973,364	20,631	20,167	81	76	32.645	1.361,796	7.061,800	5,186	4,721
32	27	97.334	27.745,879	567.086,758	20,439	19,974	82	77	29.097	1.167,117	5.700,004	4,884	4,419
33	28	97.226	26.649,105	539.340,879	20,239	19,774	83	78	25.508	983,809	4.532,887	4,607	4,143
34	29	97.112	25.594,062	512.691,774	20,032	19,567	84	79	22.060	818,093	3.549,078	4,338	3,873
35	30	96.991	24.578,974	487.097,712	19,818	19,353	85	80	18.802	670,449	2.730,985	4,073	3,609
36	31	96.858	23.601,167	462.518,737	19,597	19,132	86	81	15.807	541,994	2.060,536	3,802	3,337
37	32	96.714	22.659,715	438.917,571	19,370	18,905	87	82	12.949	426,911	1.518,542	3,557	3,092
38	33	96.563	21.754,126	416.257,856	19,135	18,670	88	83	10.293	326,303	1.091,631	3,345	2,881
39	34	96.391	20.880,259	394.503,729	18,894	18,429	89	84	7.974	243,064	765,328	3,149	2,684
40	35	96.197	20.036,830	373.623,470	18,647	18,182	90	85	6.015	176,290	522,263	2,963	2,498
41	36	95.982	19.223,156	353.586,640	18,394	17,929	91	86	4.427	124,760	345,974	2,773	2,308
42	37	95.746	18.438,258	334.363,484	18,134	17,669	92	87	3.134	84,924	221,213	2,605	2,140
43	38	95.476	17.679,145	315.925,226	17,870	17,405	93	88	2.129	55,471	136,289	2,457	1,992
44	39	95.173	16.945,234	298.246,081	17,601	17,136	94	89	1.391	34,850	80,818	2,319	1,854
45	40	94.842	16.236,777	281.300,848	17,325	16,860	95	90	870	20,953	45,968	2,194	1,729
46	41	94.468	15.550,705	265.064,071	17,045	16,580	96	91	521	12,059	25,015	2,074	1,610
47	42	94.054	14.887,118	249.513,366	16,760	16,296	97	92	295	6,562	12,956	1,974	1,510
48	43	93.596	14.244,846	234.626,248	16,471	16,006	98	93	159	3,395	6,395	1,884	1,419
49	44	93.093	13.623,344	220.381,402	16,177	15,712	99	94	81	1,666	3,000	1,801	1,336
							100	95	39	0,773	1,334	1,726	1,261

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 6 Jahre

Zinsfuß 4,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	44	92.675	13.040,575	207.998,971	15,950	15,485
1							51	45	92.088	12.459,511	194.958,396	15,647	15,183
2							52	46	91.465	11.899,329	182.498,885	15,337	14,872
3							53	47	90.766	11.354,131	170.599,555	15,025	14,561
4							54	48	90.020	10.827,714	159.245,425	14,707	14,242
5							55	49	89.219	10.318,649	148.417,711	14,383	13,919
6	0	99.438	78.587,625	1.864.138,685	23,721	23,256	56	50	88.338	9.823,809	138.099,063	14,058	13,593
7	1	99.049	75.269,334	1.785.551,060	23,722	23,257	57	51	87.425	9.348,316	128.275,254	13,722	13,257
8	2	99.002	72.339,506	1.710.281,726	23,642	23,178	58	52	86.427	8.886,239	118.926,938	13,383	12,918
9	3	98.970	69.535,196	1.637.942,219	23,556	23,091	59	53	85.345	8.437,446	110.040,698	13,042	12,577
10	4	98.944	66.843,033	1.568.407,023	23,464	22,999	60	54	84.181	8.002,305	101.603,252	12,697	12,232
11	5	98.922	64.257,808	1.501.563,990	23,368	22,903	61	55	82.944	7.581,434	93.600,947	12,346	11,881
12	6	98.895	61.769,352	1.437.306,182	23,269	22,804	62	56	81.637	7.175,007	86.019,512	11,989	11,524
13	7	98.873	59.380,379	1.375.536,830	23,165	22,700	63	57	80.214	6.778,792	78.844,505	11,631	11,166
14	8	98.851	57.084,143	1.316.156,451	23,056	22,592	64	58	78.702	6.395,207	72.065,714	11,269	10,804
15	9	98.824	54.873,205	1.259.072,308	22,945	22,480	65	59	77.087	6.023,046	65.670,507	10,903	10,438
16	10	98.794	52.746,842	1.204.199,103	22,830	22,365	66	60	75.352	5.661,039	59.647,461	10,536	10,072
17	11	98.748	50.694,429	1.151.452,261	22,714	22,249	67	61	73.504	5.309,763	53.986,422	10,167	9,703
18	12	98.688	48.715,367	1.100.757,832	22,596	22,131	68	62	71.524	4.968,065	48.676,659	9,798	9,333
19	13	98.605	46.802,195	1.052.042,465	22,478	22,014	69	63	69.394	4.634,708	43.708,594	9,431	8,966
20	14	98.516	44.961,508	1.005.240,270	22,358	21,893	70	64	67.147	4.312,157	39.073,886	9,061	8,597
21	15	98.430	43.194,318	960.278,762	22,232	21,767	71	65	64.755	3.998,603	34.761,729	8,693	8,229
22	16	98.335	41.493,018	917.084,444	22,102	21,637	72	66	62.204	3.693,322	30.763,126	8,329	7,865
23	17	98.240	39.858,609	875.591,426	21,967	21,503	73	67	59.470	3.395,218	27.069,804	7,973	7,508
24	18	98.146	38.288,752	835.732,818	21,827	21,362	74	68	56.583	3.106,118	23.674,586	7,622	7,157
25	19	98.046	36.778,814	797.444,066	21,682	21,217	75	69	53.561	2.827,141	20.568,468	7,275	6,811
26	20	97.947	35.328,581	760.665,252	21,531	21,066	76	70	50.433	2.559,640	17.741,327	6,931	6,466
27	21	97.846	33.934,773	725.336,671	21,374	20,910	77	71	47.236	2.305,176	15.181,687	6,586	6,121
28	22	97.753	32.598,277	691.401,898	21,210	20,745	78	72	43.926	2.061,224	12.876,510	6,247	5,782
29	23	97.654	31.312,978	658.803,622	21,039	20,574	79	73	40.516	1.828,073	10.815,286	5,916	5,451
30	24	97.560	30.079,605	627.490,644	20,861	20,396	80	74	37.048	1.607,282	8.987,213	5,592	5,127
31	25	97.462	28.893,716	597.411,039	20,676	20,211	81	75	33.514	1.398,044	7.379,931	5,279	4,814
32	26	97.361	27.753,649	568.517,323	20,484	20,020	82	76	29.964	1.201,910	5.981,887	4,977	4,512
33	27	97.254	26.656,873	540.763,674	20,286	19,821	83	77	26.366	1.016,891	4.779,977	4,701	4,236
34	28	97.141	25.601,661	514.106,800	20,081	19,616	84	78	22.909	849,580	3.763,086	4,429	3,965
35	29	97.019	24.586,171	488.505,139	19,869	19,404	85	79	19.627	699,891	2.913,505	4,163	3,698
36	30	96.889	23.608,897	463.918,968	19,650	19,185	86	80	16.617	569,749	2.213,615	3,885	3,420
37	31	96.748	22.667,812	440.310,072	19,424	18,960	87	81	13.714	452,114	1.643,866	3,636	3,171
38	32	96.597	21.761,864	417.642,259	19,191	18,727	88	82	11.004	348,847	1.191,752	3,416	2,951
39	33	96.429	20.888,606	395.880,395	18,952	18,487	89	83	8.590	261,826	842,905	3,219	2,755
40	34	96.242	20.046,228	374.991,789	18,706	18,242	90	84	6.540	191,694	581,078	3,031	2,566
41	35	96.032	19.233,002	354.945,562	18,455	17,990	91	85	4.848	136,622	389,384	2,850	2,385
42	36	95.800	18.448,690	335.712,559	18,197	17,732	92	86	3.485	94,446	252,762	2,676	2,211
43	37	95.535	17.689,992	317.263,869	17,935	17,470	93	87	2.413	62,883	158,316	2,518	2,053
44	38	95.240	16.957,095	299.573,876	17,667	17,202	94	88	1.602	40,128	95,432	2,378	1,913
45	39	94.918	16.249,781	282.616,781	17,392	16,927	95	89	1.021	24,600	55,305	2,248	1,783
46	40	94.550	15.564,246	266.367,000	17,114	16,649	96	90	622	14,415	30,705	2,130	1,665
47	41	94.147	14.901,848	250.802,754	16,830	16,365	97	91	363	8,075	16,290	2,017	1,552
48	42	93.702	14.260,885	235.900,906	16,542	16,077	98	92	199	4,272	8,215	1,923	1,458
49	43	93.214	13.641,050	221.640,021	16,248	15,783	99	93	104	2,146	3,943	1,837	1,372
							100	94	52	1,021	1,796	1,759	1,294

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 7 Jahre

Zinsfuß 4,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	43	92.796	13.057,524	209.140,938	16,017	15,552
1							51	44	92.216	12.476,879	196.083,415	15,716	15,251
2							52	45	91.611	11.918,232	183.606,536	15,406	14,941
3							53	46	90.929	11.374,559	171.688,304	15,094	14,629
4							54	47	90.195	10.848,811	160.313,745	14,777	14,312
5							55	48	89.408	10.340,570	149.464,934	14,454	13,989
6							56	49	88.551	9.847,509	139.124,364	14,128	13,663
7	0	99.427	75.556,217	1.787.348,075	23,656	23,191	57	50	87.646	9.371,995	129.276,855	13,794	13,329
8	1	99.037	72.365,423	1.711.791,858	23,655	23,190	58	51	86.668	8.910,987	119.904,860	13,456	12,991
9	2	98.990	69.548,947	1.639.426,435	23,572	23,107	59	52	85.604	8.463,032	110.993,872	13,115	12,650
10	3	98.961	66.854,509	1.569.877,488	23,482	23,017	60	53	84.448	8.027,653	102.530,841	12,772	12,307
11	4	98.935	64.266,108	1.503.022,979	23,387	22,923	61	54	83.234	7.607,897	94.503,188	12,422	11,957
12	5	98.908	61.777,427	1.438.756,871	23,289	22,825	62	55	81.948	7.202,281	86.895,291	12,065	11,600
13	6	98.882	59.385,851	1.376.979,444	23,187	22,722	63	56	80.538	6.806,117	79.693,010	11,709	11,244
14	7	98.860	57.089,115	1.317.593,592	23,080	22,615	64	57	79.055	6.423,877	72.886,894	11,346	10,881
15	8	98.833	54.878,473	1.260.504,477	22,969	22,504	65	58	77.460	6.052,191	66.463,017	10,982	10,517
16	9	98.800	52.750,251	1.205.626,005	22,855	22,391	66	59	75.737	5.689,965	60.410,825	10,617	10,152
17	10	98.756	50.698,692	1.152.875,754	22,740	22,275	67	60	73.910	5.339,151	54.720,860	10,249	9,784
18	11	98.698	48.719,936	1.102.177,062	22,623	22,158	68	61	71.929	4.996,180	49.381,709	9,884	9,419
19	12	98.614	46.806,170	1.053.457,126	22,507	22,042	69	62	69.834	4.664,058	44.385,529	9,517	9,052
20	13	98.526	44.965,865	1.006.650,956	22,387	21,922	70	63	67.607	4.341,688	39.721,470	9,149	8,684
21	14	98.441	43.199,352	961.685,091	22,262	21,797	71	64	65.232	4.028,060	35.379,782	8,783	8,319
22	15	98.353	41.500,432	918.485,739	22,132	21,667	72	65	62.716	3.723,735	31.351,723	8,419	7,955
23	16	98.261	39.867,051	876.985,306	21,998	21,533	73	66	60.014	3.426,248	27.627,988	8,064	7,599
24	17	98.167	38.297,178	837.118,255	21,858	21,394	74	67	57.164	3.138,016	24.201,739	7,712	7,248
25	18	98.075	36.789,394	798.821,077	21,713	21,249	75	68	54.181	2.859,851	21.063,723	7,365	6,901
26	19	97.975	35.338,377	762.031,683	21,564	21,099	76	69	51.085	2.592,719	18.203,872	7,021	6,556
27	20	97.877	33.945,495	726.693,306	21,408	20,943	77	70	47.917	2.338,414	15.611,154	6,676	6,211
28	21	97.776	32.606,255	692.747,811	21,246	20,781	78	71	44.650	2.095,192	13.272,740	6,335	5,870
29	22	97.681	31.321,458	660.141,557	21,076	20,612	79	72	41.260	1.861,637	11.177,548	6,004	5,539
30	23	97.586	30.087,455	628.820,099	20,900	20,435	80	73	37.818	1.640,707	9.315,912	5,678	5,213
31	24	97.489	28.901,568	598.732,644	20,716	20,251	81	74	34.294	1.430,607	7.675,204	5,365	4,900
32	25	97.385	27.760,480	569.831,076	20,527	20,062	82	75	30.762	1.233,902	6.244,597	5,061	4,596
33	26	97.282	26.664,338	542.070,596	20,329	19,865	83	76	27.152	1.047,206	5.010,695	4,785	4,320
34	27	97.169	25.609,125	515.406,258	20,126	19,661	84	77	23.679	878,149	3.963,489	4,513	4,049
35	28	97.048	24.593,471	489.797,133	19,916	19,451	85	78	20.383	726,828	3.085,340	4,245	3,780
36	29	96.918	23.615,809	465.203,662	19,699	19,234	86	79	17.347	594,769	2.358,512	3,965	3,501
37	30	96.780	22.675,236	441.587,853	19,474	19,010	87	80	14.416	475,266	1.763,743	3,711	3,246
38	31	96.631	21.769,641	418.912,617	19,243	18,778	88	81	11.654	369,441	1.288,477	3,488	3,023
39	32	96.464	20.896,036	397.142,976	19,006	18,541	89	82	9.183	279,916	919,036	3,283	2,818
40	33	96.281	20.054,241	376.246,940	18,761	18,297	90	83	7.045	206,491	639,120	3,095	2,630
41	34	96.077	19.242,023	356.192,699	18,511	18,046	91	84	5.272	148,561	432,629	2,912	2,447
42	35	95.849	18.458,140	336.950,676	18,255	17,790	92	85	3.817	103,426	284,068	2,747	2,282
43	36	95.589	17.700,001	318.492,535	17,994	17,529	93	86	2.684	69,934	180,643	2,583	2,118
44	37	95.298	16.967,500	300.792,534	17,728	17,263	94	87	1.816	45,490	110,709	2,434	1,969
45	38	94.984	16.261,156	283.825,034	17,454	16,989	95	88	1.176	28,325	65,219	2,302	1,838
46	39	94.626	15.576,711	267.563,878	17,177	16,712	96	89	731	16,923	36,894	2,180	1,715
47	40	94.229	14.914,824	251.987,167	16,895	16,430	97	90	433	9,653	19,970	2,069	1,604
48	41	93.794	14.274,996	237.072,344	16,608	16,143	98	91	245	5,258	10,317	1,962	1,498
49	42	93.319	13.656,409	222.797,348	16,314	15,850	99	92	131	2,701	5,060	1,873	1,408
							100	93	66	1,316	2,359	1,792	1,327

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 8 Jahre

Zinsfuß 4,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	42	92.900	13.072,226	210.190,276	16,079	15,614
1							51	43	92.336	12.493,095	197.118,051	15,778	15,313
2							52	44	91.738	11.934,845	184.624,955	15,469	15,005
3							53	45	91.073	11.392,628	172.690,110	15,158	14,693
4							54	46	90.357	10.868,330	161.297,482	14,841	14,376
5							55	47	89.583	10.360,718	150.429,152	14,519	14,054
6							56	48	88.739	9.868,430	140.068,434	14,194	13,729
7							57	49	87.858	9.394,606	130.200,005	13,859	13,394
8	0	99.415	72.641,238	1.713.455,817	23,588	23,123	58	50	86.888	8.933,559	120.805,399	13,523	13,058
9	1	99.025	69.573,864	1.640.814,580	23,584	23,119	59	51	85.842	8.486,601	111.871,840	13,182	12,717
10	2	98.981	66.867,729	1.571.240,715	23,498	23,033	60	52	84.704	8.051,996	103.385,239	12,840	12,375
11	3	98.952	64.277,141	1.504.372,986	23,404	22,940	61	53	83.497	7.631,995	95.333,243	12,491	12,026
12	4	98.920	61.785,407	1.440.095,845	23,308	22,843	62	54	82.234	7.227,420	87.701,248	12,135	11,670
13	5	98.895	59.393,615	1.378.310,438	23,206	22,742	63	55	80.844	6.831,988	80.473,828	11,779	11,314
14	6	98.869	57.094,376	1.318.916,823	23,101	22,636	64	56	79.374	6.449,771	73.641,840	11,418	10,953
15	7	98.842	54.883,253	1.261.822,447	22,991	22,526	65	57	77.808	6.079,324	67.192,069	11,053	10,588
16	8	98.810	52.755,315	1.206.939,194	22,878	22,413	66	58	76.104	5.717,499	61.112,745	10,689	10,224
17	9	98.762	50.701,968	1.154.183,879	22,764	22,299	67	59	74.288	5.366,433	55.395,246	10,323	9,858
18	10	98.706	48.724,034	1.103.481,911	22,648	22,183	68	60	72.327	5.023,833	50.028,814	9,958	9,493
19	11	98.623	46.810,560	1.054.757,877	22,532	22,068	69	61	70.229	4.690,453	45.004,981	9,595	9,130
20	12	98.534	44.969,684	1.007.947,318	22,414	21,949	70	62	68.035	4.369,183	40.314,528	9,227	8,762
21	13	98.451	43.203,538	962.977,633	22,289	21,825	71	63	65.679	4.055,645	35.945,345	8,863	8,398
22	14	98.364	41.505,269	919.774,096	22,160	21,696	72	64	63.178	3.751,167	31.889,699	8,501	8,036
23	15	98.279	39.874,176	878.268,827	22,026	21,561	73	65	60.508	3.454,462	28.138,533	8,146	7,681
24	16	98.188	38.305,290	838.394,651	21,887	21,422	74	66	57.686	3.166,695	24.684,071	7,795	7,330
25	17	98.096	36.797,491	800.089,361	21,743	21,278	75	67	54.737	2.889,220	21.517,375	7,447	6,983
26	18	98.003	35.348,543	763.291,871	21,593	21,128	76	68	51.676	2.622,716	18.628,155	7,103	6,638
27	19	97.905	33.954,907	727.943,328	21,439	20,974	77	69	48.536	2.368,633	16.005,439	6,757	6,292
28	20	97.807	32.616,557	693.988,421	21,277	20,812	78	70	45.294	2.125,402	13.636,806	6,416	5,951
29	21	97.705	31.329,123	661.371,864	21,110	20,646	79	71	41.940	1.892,315	11.511,405	6,083	5,618
30	22	97.612	30.095,604	630.042,741	20,935	20,470	80	72	38.512	1.670,831	9.619,089	5,757	5,292
31	23	97.514	28.909,110	599.947,138	20,753	20,288	81	73	35.007	1.460,358	7.948,258	5,443	4,978
32	24	97.412	27.768,024	571.038,027	20,565	20,100	82	74	31.478	1.262,642	6.487,901	5,138	4,674
33	25	97.306	26.670,901	543.270,003	20,369	19,905	83	75	27.875	1.075,080	5.225,259	4,860	4,396
34	26	97.196	25.616,296	516.599,102	20,167	19,702	84	76	24.385	904,328	4.150,179	4,589	4,124
35	27	97.076	24.600,640	490.982,806	19,958	19,493	85	77	21.068	751,269	3.245,851	4,320	3,856
36	28	96.946	23.622,821	466.382,166	19,743	19,278	86	78	18.014	617,660	2.494,582	4,039	3,574
37	29	96.808	22.681,876	442.759,345	19,520	19,056	87	79	15.049	496,137	1.876,922	3,783	3,318
38	30	96.663	21.776,771	420.077,469	19,290	18,825	88	80	12.251	388,360	1.380,785	3,555	3,091
39	31	96.498	20.903,503	398.300,699	19,054	18,589	89	81	9.725	296,440	992,425	3,348	2,883
40	32	96.315	20.061,374	377.397,196	18,812	18,347	90	82	7.532	220,757	695,984	3,153	2,688
41	33	96.115	19.249,715	357.335,821	18,563	18,098	91	83	5.678	160,028	475,227	2,970	2,505
42	34	95.894	18.466,798	338.086,106	18,308	17,843	92	84	4.150	112,463	315,199	2,803	2,338
43	35	95.638	17.709,067	319.619,308	18,048	17,584	93	85	2.939	76,583	202,735	2,647	2,182
44	36	95.352	16.977,100	301.910,241	17,783	17,319	94	86	2.019	50,590	126,152	2,494	2,029
45	37	95.043	16.271,134	284.933,141	17,512	17,047	95	87	1.333	32,110	75,562	2,353	1,888
46	38	94.692	15.587,615	268.662,007	17,236	16,771	96	88	841	19,486	43,452	2,230	1,765
47	39	94.305	14.926,769	253.074,392	16,954	16,490	97	89	509	11,333	23,965	2,115	1,650
48	40	93.876	14.287,426	238.147,624	16,668	16,204	98	90	293	6,285	12,633	2,010	1,545
49	41	93.411	13.669,922	223.860,198	16,376	15,911	99	91	161	3,324	6,348	1,910	1,445
							100	92	84	1,656	3,024	1,826	1,361

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 9 Jahre

Zinsfuß 4,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	41	92.992	13.085,160	211.153,404	16,137	15,672
1							51	42	92.440	12.507,162	198.068,244	15,836	15,372
2							52	43	91.857	11.950,357	185.561,082	15,528	15,063
3							53	44	91.200	11.408,509	173.610,725	15,218	14,753
4							54	45	90.501	10.885,595	162.202,216	14,901	14,436
5							55	46	89.744	10.379,359	151.316,621	14,579	14,114
6							56	47	88.912	9.887,658	140.937,262	14,254	13,789
7							57	48	88.044	9.414,564	131.049,605	13,920	13,455
8							58	49	87.097	8.955,112	121.635,041	13,583	13,118
9	0	99.403	69.839,039	1.642.355,275	23,516	23,051	59	50	86.060	8.508,098	112.679,929	13,244	12,779
10	1	99.016	66.891,686	1.572.516,236	23,508	23,044	60	51	84.940	8.074,420	104.171,831	12,901	12,437
11	2	98.971	64.289,852	1.505.624,550	23,419	22,954	61	52	83.750	7.655,138	96.097,411	12,553	12,089
12	3	98.937	61.796,014	1.441.334,698	23,324	22,859	62	53	82.494	7.250,313	88.442,273	12,198	11,734
13	4	98.908	59.401,287	1.379.538,684	23,224	22,759	63	54	81.126	6.855,835	81.191,960	11,843	11,378
14	5	98.882	57.101,840	1.320.137,396	23,119	22,654	64	55	79.676	6.474,288	74.336,126	11,482	11,017
15	6	98.851	54.888,310	1.263.035,556	23,011	22,546	65	56	78.121	6.103,829	67.861,838	11,118	10,653
16	7	98.818	52.759,910	1.208.147,246	22,899	22,434	66	57	76.445	5.743,131	61.758,008	10,753	10,289
17	8	98.772	50.706,836	1.155.387,336	22,786	22,321	67	58	74.648	5.392,401	56.014,878	10,388	9,923
18	9	98.712	48.727,182	1.104.680,500	22,671	22,206	68	59	72.697	5.049,503	50.622,477	10,025	9,560
19	10	98.631	46.814,496	1.055.953,318	22,556	22,091	69	60	70.617	4.716,414	45.572,974	9,663	9,198
20	11	98.543	44.973,902	1.009.138,822	22,438	21,973	70	61	68.420	4.393,909	40.856,560	9,298	8,834
21	12	98.459	43.207,207	964.164,920	22,315	21,850	71	62	66.095	4.081,329	36.462,651	8,934	8,469
22	13	98.374	41.509,291	920.957,712	22,187	21,722	72	63	63.611	3.776,856	32.381,322	8,574	8,109
23	14	98.290	39.878,823	879.448,422	22,053	21,588	73	64	60.954	3.479,910	28.604,466	8,220	7,755
24	15	98.206	38.312,135	839.569,599	21,914	21,449	74	65	58.161	3.192,722	25.124,556	7,869	7,404
25	16	98.117	36.805,285	801.257,464	21,770	21,305	75	66	55.237	2.915,626	21.931,784	7,522	7,057
26	17	98.024	35.356,322	764.452,179	21,621	21,157	76	67	52.206	2.649,650	19.016,159	7,177	6,712
27	18	97.933	33.964,675	729.095,857	21,466	21,001	77	68	49.098	2.396,038	16.366,509	6,831	6,366
28	19	97.834	32.625,601	695.131,182	21,306	20,841	78	69	45.879	2.152,868	13.970,471	6,489	6,024
29	20	97.735	31.339,021	662.505,581	21,140	20,675	79	70	42.545	1.919,600	11.817,603	6,156	5,691
30	21	97.636	30.102,969	631.166,560	20,967	20,502	80	71	39.147	1.698,365	9.898,003	5,828	5,363
31	22	97.541	28.916,939	601.063,591	20,786	20,321	81	72	35.650	1.487,170	8.199,638	5,514	5,049
32	23	97.437	27.775,271	572.146,652	20,599	20,134	82	73	32.133	1.288,900	6.712,468	5,208	4,743
33	24	97.332	26.678,149	544.371,381	20,405	19,940	83	74	28.524	1.100,121	5.423,568	4,930	4,465
34	25	97.220	25.622,601	517.693,232	20,205	19,740	84	75	25.034	928,399	4.323,447	4,657	4,192
35	26	97.104	24.607,529	492.070,631	19,997	19,532	85	76	21.696	773,665	3.395,048	4,388	3,923
36	27	96.975	23.629,707	467.463,102	19,783	19,318	86	77	18.620	638,430	2.621,383	4,106	3,641
37	28	96.837	22.688,610	443.833,394	19,562	19,097	87	78	15.628	515,233	1.982,953	3,849	3,384
38	29	96.691	21.783,147	421.144,784	19,334	18,869	88	79	12.789	405,414	1.467,720	3,620	3,155
39	30	96.530	20.910,349	399.361,637	19,099	18,634	89	80	10.223	311,621	1.062,306	3,409	2,944
40	31	96.349	20.068,543	378.451,288	18,858	18,393	90	81	7.977	233,790	750,686	3,211	2,746
41	32	96.149	19.256,562	358.382,745	18,611	18,146	91	82	6.071	171,084	516,896	3,021	2,556
42	33	95.932	18.474,180	339.126,183	18,357	17,892	92	83	4.471	121,144	345,811	2,855	2,390
43	34	95.683	17.717,374	320.652,003	18,098	17,633	93	84	3.196	83,275	224,667	2,698	2,233
44	35	95.401	16.985,796	302.934,630	17,835	17,370	94	85	2.211	55,400	141,392	2,552	2,087
45	36	95.096	16.280,340	285.948,833	17,564	17,099	95	86	1.482	35,711	85,992	2,408	1,943
46	37	94.750	15.597,179	269.668,494	17,290	16,825	96	87	954	22,090	50,281	2,276	1,811
47	38	94.371	14.937,218	254.071,315	17,009	16,544	97	88	586	13,049	28,191	2,160	1,696
48	39	93.951	14.298,868	239.134,097	16,724	16,259	98	89	345	7,379	15,142	2,052	1,587
49	40	93.493	13.681,825	224.835,228	16,433	15,968	99	90	193	3,974	7,763	1,954	1,489
							100	91	103	2,038	3,790	1,859	1,394

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 10 Jahre

Zinsfuß 4,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	40	93,073	13.096,554	212.036,544	16,190	15,725
1							51	41	92,531	12.519,537	198.939,990	15,890	15,426
2							52	42	91,961	11.963,812	186.420,453	15,582	15,117
3							53	43	91,319	11.423,336	174.456,640	15,272	14,807
4							54	44	90,627	10.900,769	163.033,304	14,956	14,491
5							55	45	89,886	10.395,847	152.132,535	14,634	14,169
6							56	46	89,072	9.905,447	141.736,688	14,309	13,844
7							57	47	88,216	9.432,908	131.831,241	13,976	13,511
8							58	48	87,282	8.974,136	122.398,333	13,639	13,174
9							59	49	86,267	8.528,624	113.424,197	13,299	12,834
10	0	99,393	67.146,638	1.573.942,902	23,440	22,976	60	50	85,155	8.094,873	104.895,573	12,958	12,493
11	1	99,007	64.312,885	1.506.796,264	23,429	22,964	61	51	83,984	7.676,457	96.800,700	12,610	12,145
12	2	98,957	61.808,235	1.442.483,379	23,338	22,873	62	52	82,744	7.272,299	89.124,243	12,255	11,790
13	3	98,924	59.411,485	1.380.675,144	23,239	22,774	63	53	81,383	6.877,551	81.851,944	11,901	11,437
14	4	98,895	57.109,216	1.321.263,659	23,136	22,671	64	54	79,954	6.496,886	74.974,394	11,540	11,075
15	5	98,864	54.895,486	1.264.154,443	23,028	22,564	65	55	78,418	6.127,031	68.477,508	11,176	10,711
16	6	98,827	52.764,772	1.209.258,957	22,918	22,453	66	56	76,753	5.766,281	62.350,476	10,813	10,348
17	7	98,780	50.711,252	1.156.494,185	22,805	22,341	67	57	74,982	5.416,575	56.584,195	10,446	9,982
18	8	98,722	48.731,860	1.105.782,933	22,691	22,226	68	58	73,049	5.073,937	51.167,620	10,084	9,620
19	9	98,637	46.817,522	1.057.051,073	22,578	22,113	69	59	70,978	4.740,513	46.093,683	9,723	9,259
20	10	98,552	44.977,684	1.010.233,551	22,461	21,996	70	60	68,799	4.418,228	41.353,170	9,360	8,895
21	11	98,468	43.211,260	965.255,867	22,338	21,873	71	61	66,469	4.104,426	36.934,941	8,999	8,534
22	12	98,382	41.512,816	922.044,607	22,211	21,746	72	62	64,014	3.800,774	32.830,516	8,638	8,173
23	13	98,299	39.882,687	880.531,791	22,078	21,613	73	63	61,371	3.503,742	29.029,742	8,285	7,821
24	14	98,217	38.316,600	840.649,104	21,940	21,475	74	64	58,590	3.216,292	25.526,000	7,936	7,472
25	15	98,134	36.811,862	802.332,504	21,795	21,331	75	65	55,692	2.939,635	22.309,708	7,589	7,124
26	16	98,045	35.363,811	765.520,642	21,647	21,182	76	66	52,683	2.673,866	19.370,073	7,244	6,779
27	17	97,954	33.972,150	730.156,831	21,493	21,028	77	67	49,602	2.420,644	16.696,207	6,897	6,433
28	18	97,863	32.634,986	696.184,681	21,332	20,868	78	68	46,410	2.177,777	14.275,563	6,555	6,090
29	19	97,763	31.347,711	663.549,695	21,167	20,703	79	69	43,094	1.944,407	12.097,787	6,222	5,757
30	20	97,667	30.112,480	632.201,984	20,995	20,530	80	70	39,711	1.722,853	10.153,380	5,893	5,429
31	21	97,565	28.924,016	602.089,504	20,816	20,351	81	71	36,238	1.511,678	8.430,527	5,577	5,112
32	22	97,464	27.782,793	573.165,488	20,630	20,165	82	72	32,723	1.312,564	6.918,849	5,271	4,806
33	23	97,357	26.685,111	545.382,695	20,438	19,973	83	73	29,117	1.122,999	5.606,285	4,992	4,527
34	24	97,247	25.629,564	518.697,584	20,238	19,773	84	74	25,617	950,023	4.483,286	4,719	4,254
35	25	97,127	24.613,586	493.068,020	20,032	19,568	85	75	22,274	794,259	3.533,263	4,449	3,984
36	26	97,002	23.636,325	468.454,434	19,819	19,354	86	76	19,175	657,463	2.739,004	4,166	3,701
37	27	96,865	22.695,224	444.818,109	19,600	19,135	87	77	16,154	532,558	2.081,542	3,909	3,444
38	28	96,720	21.789,614	422.122,885	19,373	18,908	88	78	13,281	421,018	1.548,984	3,679	3,214
39	29	96,558	20.916,472	400.333,271	19,140	18,675	89	79	10,672	325,305	1.127,966	3,467	3,003
40	30	96,381	20.075,116	379.416,799	18,900	18,435	90	80	8,385	245,762	802,661	3,266	2,801
41	31	96,184	19.263,443	359.341,683	18,654	18,189	91	81	6,429	181,184	556,899	3,074	2,609
42	32	95,967	18.480,751	340.078,240	18,402	17,937	92	82	4,780	129,514	375,715	2,901	2,436
43	33	95,721	17.724,456	321.597,489	18,144	17,679	93	83	3,443	89,703	246,201	2,745	2,280
44	34	95,446	16.993,763	303.873,033	17,881	17,417	94	84	2,405	60,241	156,497	2,598	2,133
45	35	95,145	16.288,679	286.879,270	17,612	17,147	95	85	1,623	39,106	96,256	2,461	1,997
46	36	94,804	15.606,004	270.590,591	17,339	16,874	96	86	1,061	24,567	57,150	2,326	1,861
47	37	94,428	14.946,383	254.984,587	17,060	16,595	97	87	664	14,793	32,583	2,203	1,738
48	38	94,017	14.308,878	240.038,204	16,775	16,311	98	88	397	8,496	17,790	2,094	1,629
49	39	93,568	13.692,782	225.729,326	16,485	16,020	99	89	227	4,665	9,294	1,992	1,528
							100	90	123	2,437	4,629	1,900	1,435

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 11 Jahre

Zinsfuß 4,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	39	93.148	13.107,043	212.846,109	16,239	15,774
1							51	40	92.612	12.530,439	199.739,066	15,940	15,475
2							52	41	92.052	11.975,650	187.208,627	15,632	15,168
3							53	42	91.422	11.436,198	175.232,977	15,323	14,858
4							54	43	90.745	10.914,936	163.796,779	15,007	14,542
5							55	44	90.012	10.410,338	152.881,843	14,686	14,221
6							56	45	89.213	9.921,183	142.471,504	14,360	13,896
7							57	46	88.374	9.449,879	132.550,322	14,027	13,562
8							58	47	87.452	8.991,622	123.100,442	13,691	13,226
9							59	48	86.451	8.546,743	114.108,821	13,351	12,886
10							60	49	85.360	8.114,402	105.562,078	13,009	12,544
11	0	99.384	64.558,008	1.508.117,561	23,361	22,896	61	50	84.196	7.695,902	97.447,676	12,662	12,197
12	1	98.992	61.830,379	1.443.559,553	23,347	22,882	62	51	82.975	7.292,552	89.751,774	12,307	11,842
13	2	98.944	59.423,234	1.381.729,174	23,252	22,788	63	52	81.630	6.898,406	82.459,222	11,953	11,489
14	3	98.912	57.119,021	1.322.305,941	23,150	22,685	64	53	80.207	6.517,465	75.560,816	11,594	11,129
15	4	98.876	54.902,577	1.265.186,920	23,044	22,579	65	54	78.692	6.148,417	69.043,351	11,229	10,765
16	5	98.840	52.771,670	1.210.284,343	22,934	22,470	66	55	77.045	5.788,200	62.894,934	10,866	10,401
17	6	98.790	50.715,925	1.157.512,672	22,823	22,359	67	56	75.285	5.438,409	57.106,734	10,501	10,036
18	7	98.730	48.736,104	1.106.796,747	22,710	22,245	68	57	73.376	5.096,684	51.668,325	10,138	9,673
19	8	98.647	46.822,016	1.058.060,643	22,598	22,133	69	58	71.322	4.763,452	46.571,641	9,777	9,312
20	9	98.558	44.980,591	1.011.238,627	22,482	22,017	70	59	69.151	4.440,804	41.808,189	9,415	8,950
21	10	98.477	43.214,894	966.258,036	22,359	21,895	71	60	66.837	4.127,143	37.367,384	9,054	8,589
22	11	98.391	41.516,710	923.043,142	22,233	21,768	72	61	64.376	3.822,283	33.240,242	8,696	8,232
23	12	98.308	39.886,074	881.526,433	22,101	21,636	73	62	61.760	3.525,930	29.417,958	8,343	7,878
24	13	98.227	38.320,313	841.640,358	21,963	21,498	74	63	58.991	3.238,319	25.892,028	7,996	7,531
25	14	98.146	36.816,152	803.320,045	21,820	21,355	75	64	56.102	2.961,290	22.653,710	7,650	7,185
26	15	98.063	35.370,130	766.503,893	21,671	21,206	76	65	53.117	2.695,884	19.692,420	7,305	6,840
27	16	97.975	33.979,346	731.133,763	21,517	21,052	77	66	50.055	2.442,767	16.996,535	6,958	6,493
28	17	97.884	32.642,168	697.154,417	21,357	20,893	78	67	46.887	2.200,141	14.553,769	6,615	6,150
29	18	97.791	31.356,729	664.512,249	21,192	20,727	79	68	43.593	1.966,903	12.353,627	6,281	5,816
30	19	97.694	30.120,830	633.155,520	21,021	20,556	80	69	40.225	1.745,118	10.386,724	5,952	5,487
31	20	97.595	28.933,155	603.034,690	20,842	20,378	81	70	36.760	1.533,474	8.641,606	5,635	5,170
32	21	97.488	27.789,592	574.101,535	20,659	20,194	82	71	33.262	1.334,194	7.108,132	5,328	4,863
33	22	97.384	26.692,338	546.311,943	20,467	20,002	83	72	29.652	1.143,617	5.773,938	5,049	4,584
34	23	97.272	25.636,253	519.619,605	20,269	19,804	84	73	26.150	969,780	4.630,321	4,775	4,310
35	24	97.154	24.620,275	493.983,352	20,064	19,599	85	74	22.793	812,758	3.660,541	4,504	4,039
36	25	97.026	23.642,142	469.363,078	19,853	19,388	86	75	19.686	674,963	2.847,783	4,219	3,754
37	26	96.892	22.701,580	445.720,936	19,634	19,169	87	76	16.635	548,434	2.172,820	3,962	3,497
38	27	96.748	21.795,966	423.019,356	19,408	18,943	88	77	13.728	435,175	1.624,386	3,733	3,268
39	28	96.587	20.922,682	401.223,390	19,176	18,712	89	78	11.083	337,826	1.189,211	3,520	3,055
40	29	96.409	20.080,994	380.300,708	18,938	18,474	90	79	8.753	256,554	851,385	3,319	2,854
41	30	96.215	19.269,753	360.219,714	18,694	18,229	91	80	6.758	190,463	594,831	3,123	2,658
42	31	96.001	18.487,355	340.949,961	18,442	17,978	92	81	5.062	137,160	404,368	2,948	2,483
43	32	95.755	17.730,760	322.462,606	18,187	17,722	93	82	3.681	95,901	267,208	2,786	2,321
44	33	95.484	17.000,556	304.731,846	17,925	17,460	94	83	2.590	64,891	171,308	2,640	2,175
45	34	95.190	16.296,319	287.731,290	17,656	17,191	95	84	1.765	42,523	106,416	2,503	2,038
46	35	94.852	15.613,998	271.434,971	17,384	16,919	96	85	1.161	26,903	63,893	2,375	1,910
47	36	94.482	14.954,839	255.820,973	17,106	16,641	97	86	739	16,451	36,990	2,248	1,784
48	37	94.075	14.317,658	240.866,134	16,823	16,358	98	87	450	9,631	20,539	2,133	1,668
49	38	93.633	13.702,367	226.548,476	16,534	16,069	99	88	261	5,371	10,908	2,031	1,566
							100	89	144	2,861	5,536	1,935	1,470

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 12 Jahre

Zinsfuß 4,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	38	93.213	13.116,218	213.587,620	16,284	15,819
1							51	39	92.686	12.540,474	200.471,402	15,986	15,521
2							52	40	92.132	11.986,078	187.930,928	15,679	15,214
3							53	41	91.512	11.447,514	175.944,850	15,370	14,905
4							54	42	90.847	10.927,226	164.497,336	15,054	14,589
5							55	43	90.129	10.423,869	153.570,110	14,733	14,268
6							56	44	89.338	9.935,012	143.146,242	14,408	13,943
7							57	45	88.515	9.464,891	133.211,230	14,074	13,609
8							58	46	87.610	9.007,800	123.746,339	13,738	13,273
9							59	47	86.619	8.563,395	114.738,539	13,399	12,934
10							60	48	85.542	8.131,641	106.175,144	13,057	12,592
11							61	49	84.399	7.714,469	98.043,503	12,709	12,244
12	0	99.370	62.066,039	1.444.783,559	23,278	22,813	62	50	83.185	7.311,024	90.329,035	12,355	11,890
13	1	98.980	59.444,523	1.382.717,519	23,261	22,796	63	51	81.857	6.917,618	83.018,011	12,001	11,536
14	2	98.931	57.130,316	1.323.272,996	23,162	22,698	64	52	80.450	6.537,229	76.100,393	11,641	11,176
15	3	98.893	54.912,003	1.266.142,680	23,058	22,593	65	53	78.941	6.167,892	69.563,164	11,278	10,813
16	4	98.853	52.778,487	1.211.230,677	22,949	22,485	66	54	77.314	5.808,403	63.395,272	10,914	10,450
17	5	98.802	50.722,556	1.158.452,190	22,839	22,374	67	55	75.571	5.459,082	57.586,869	10,549	10,084
18	6	98.740	48.740,596	1.107.729,634	22,727	22,262	68	56	73.672	5.117,229	52.127,787	10,187	9,722
19	7	98.656	46.826,094	1.058.989,039	22,615	22,151	69	57	71.642	4.784,807	47.010,559	9,825	9,360
20	8	98.567	44.984,909	1.012.162,945	22,500	22,035	70	58	69.485	4.462,293	42.225,751	9,463	8,998
21	9	98.483	43.217,686	967.178,036	22,379	21,914	71	59	67.178	4.148,231	37.763,458	9,104	8,639
22	10	98.400	41.520,201	923.960,350	22,253	21,788	72	60	64.732	3.843,439	33.615,227	8,746	8,281
23	11	98.317	39.889,815	882.440,148	22,122	21,657	73	61	62.110	3.545,884	29.771,788	8,396	7,931
24	12	98.235	38.323,568	842.550,333	21,985	21,520	74	62	59.365	3.258,826	26.225,904	8,048	7,583
25	13	98.155	36.819,720	804.226,766	21,842	21,377	75	63	56.487	2.981,570	22.967,078	7,703	7,238
26	14	98.074	35.374,252	767.407,046	21,694	21,229	76	64	53.508	2.715,744	19.985,508	7,359	6,894
27	15	97.992	33.985,418	732.032,794	21,540	21,075	77	65	50.467	2.462,882	17.269,764	7,012	6,547
28	16	97.905	32.649,082	698.047,376	21,380	20,915	78	66	47.315	2.220,249	14.806,882	6,669	6,204
29	17	97.812	31.363,630	665.398,293	21,216	20,751	79	67	44.041	1.987,102	12.586,633	6,334	5,869
30	18	97.722	30.129,495	634.034,663	21,044	20,579	80	68	40.690	1.765,309	10.599,531	6,004	5,540
31	19	97.622	28.941,178	603.905,169	20,867	20,402	81	69	37.235	1.553,291	8.834,222	5,687	5,223
32	20	97.518	27.798,372	574.963,991	20,683	20,219	82	70	33.742	1.353,431	7.280,931	5,380	4,915
33	21	97.408	26.698,870	547.165,619	20,494	20,029	83	71	30.140	1.162,464	5.927,500	5,099	4,634
34	22	97.298	25.643,195	520.466,748	20,296	19,832	84	72	26.630	987,585	4.765,036	4,825	4,360
35	23	97.179	24.626,700	494.823,553	20,093	19,628	85	73	23.267	829,660	3.777,451	4,553	4,088
36	24	97.052	23.648,567	470.196,853	19,883	19,418	86	74	20.144	690,684	2.947,791	4,268	3,803
37	25	96.916	22.707,167	446.548,286	19,666	19,201	87	75	17.078	563,032	2.257,107	4,009	3,544
38	26	96.775	21.802,070	423.841,119	19,440	18,976	88	76	14.137	448,148	1.694,075	3,780	3,315
39	27	96.615	20.928,781	402.039,049	19,210	18,745	89	77	11.456	349,186	1.245,926	3,568	3,103
40	28	96.438	20.086,956	381.110,268	18,973	18,508	90	78	9.090	266,429	896,741	3,366	2,901
41	29	96.243	19.275,395	361.023,312	18,730	18,265	91	79	7.055	198,826	630,312	3,170	2,705
42	30	96.032	18.493,410	341.747,917	18,479	18,015	92	80	5.321	144,184	431,486	2,993	2,528
43	31	95.789	17.737,096	323.254,507	18,225	17,760	93	81	3.898	101,562	287,302	2,829	2,364
44	32	95.518	17.006,603	305.517,411	17,965	17,500	94	82	2.769	69,375	185,740	2,677	2,213
45	33	95.228	16.302,833	288.510,807	17,697	17,232	95	83	1.901	45,805	116,365	2,540	2,076
46	34	94.897	15.621,321	272.207,974	17,425	16,961	96	84	1.263	29,254	70,560	2,412	1,947
47	35	94.530	14.962,500	256.586,653	17,149	16,684	97	85	809	18,016	41,306	2,293	1,828
48	36	94.128	14.325,758	241.624,154	16,866	16,402	98	86	500	10,711	23,291	2,174	1,710
49	37	93.691	13.710,775	227.298,395	16,578	16,113	99	87	296	6,089	12,579	2,066	1,601
							100	88	166	3,294	6,490	1,970	1,506

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 13 Jahre

Zinsfuß 4,00%

Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	37	93.270	13.124,266	214.266,332	16,326	15,861
1							51	38	92.751	12.549,253	201.142,066	16,028	15,563
2							52	39	92.206	11.995,677	188.592,813	15,722	15,257
3							53	40	91.592	11.457,482	176.597,136	15,413	14,948
4							54	41	90.937	10.938,038	165.139,654	15,098	14,633
5							55	42	90.230	10.435,605	154.201,616	14,776	14,312
6							56	43	89.454	9.947,925	143.766,010	14,452	13,987
7							57	44	88.638	9.478,084	133.818,086	14,119	13,654
8							58	45	87.749	9.022,109	124.340,001	13,782	13,317
9							59	46	86.775	8.578,803	115.317,893	13,442	12,977
10							60	47	85.709	8.147,485	106.739,090	13,101	12,636
11							61	48	84.579	7.730,858	98.591,605	12,753	12,288
12							62	49	83.386	7.328,662	90.860,748	12,398	11,933
13	0	99.357	59.671,091	1.383.851,769	23,191	22,727	63	50	82.065	6.935,140	83.532,086	12,045	11,580
14	1	98.967	57.150,784	1.324.180,678	23,170	22,705	64	51	80.674	6.555,435	76.596,945	11,684	11,220
15	2	98.913	54.922,862	1.267.029,894	23,069	22,604	65	52	79.181	6.186,596	70.041,511	11,321	10,857
16	3	98.870	52.787,548	1.212.107,032	22,962	22,497	66	53	77.559	5.826,801	63.854,915	10,959	10,494
17	4	98.815	50.729,108	1.159.319,484	22,853	22,388	67	54	75.834	5.478,136	58.028,114	10,593	10,128
18	5	98.752	48.746,968	1.108.590,376	22,742	22,277	68	55	73.952	5.136,681	52.549,978	10,230	9,766
19	6	98.665	46.830,409	1.059.843,409	22,632	22,167	69	56	71.930	4.804,094	47.413,297	9,869	9,405
20	7	98.576	44.988,827	1.013.012,999	22,517	22,052	70	57	69.797	4.482,298	42.609,203	9,506	9,041
21	8	98.493	43.221,835	968.024,172	22,397	21,932	71	58	67.504	4.168,304	38.126,905	9,147	8,682
22	9	98.406	41.522,884	924.802,337	22,272	21,807	72	59	65.063	3.863,078	33.958,601	8,791	8,326
23	10	98.325	39.893,170	883.279,453	22,141	21,676	73	60	62.453	3.565,510	30.095,523	8,441	7,976
24	11	98.244	38.327,162	843.386,283	22,005	21,540	74	61	59.701	3.277,268	26.530,013	8,095	7,630
25	12	98.164	36.822,847	805.059,121	21,863	21,398	75	62	56.844	3.000,452	23.252,745	7,750	7,285
26	13	98.084	35.377,680	768.236,274	21,715	21,250	76	63	53.875	2.734,342	20.252,293	7,407	6,942
27	14	98.004	33.989,379	732.858,594	21,561	21,097	77	64	50.839	2.481,025	17.517,951	7,061	6,596
28	15	97.922	32.654,917	698.869,215	21,402	20,937	78	65	47.705	2.238,532	15.036,926	6,717	6,252
29	16	97.833	31.370,273	666.214,298	21,237	20,772	79	66	44.443	2.005,263	12.798,393	6,382	5,918
30	17	97.743	30.136,125	634.844,025	21,066	20,601	80	67	41.108	1.783,437	10.793,130	6,052	5,587
31	18	97.651	28.949,503	604.707,900	20,888	20,424	81	68	37.666	1.571,263	9.009,693	5,734	5,269
32	19	97.545	27.806,080	575.758,397	20,706	20,241	82	69	34.178	1.370,922	7.438,431	5,426	4,961
33	20	97.438	26.707,306	547.952,316	20,517	20,052	83	70	30.575	1.179,224	6.067,509	5,145	4,681
34	21	97.322	25.649,471	521.245,010	20,322	19,857	84	71	27.069	1.003,860	4.888,284	4,869	4,405
35	22	97.205	24.633,369	495.595,539	20,119	19,654	85	72	23.694	844,893	3.884,425	4,598	4,133
36	23	97.077	23.654,739	470.962,170	19,910	19,445	86	73	20.563	705,047	3.039,531	4,311	3,846
37	24	96.943	22.713,338	447.307,432	19,694	19,229	87	74	17.476	576,146	2.334,484	4,052	3,587
38	25	96.799	21.807,436	424.594,094	19,470	19,005	88	75	14.513	460,077	1.758,338	3,822	3,357
39	26	96.642	20.934,642	402.786,657	19,240	18,775	89	76	11.797	359,595	1.298,261	3,610	3,146
40	27	96.466	20.092,812	381.852,015	19,004	18,540	90	77	9.396	275,388	938,666	3,409	2,944
41	28	96.272	19.281,118	361.759,204	18,762	18,298	91	78	7.327	206,479	663,278	3,212	2,748
42	29	96.060	18.498,825	342.478,086	18,514	18,049	92	79	5.555	150,515	456,799	3,035	2,570
43	30	95.820	17.742,906	323.979,261	18,260	17,795	93	80	4.098	106,763	306,284	2,869	2,404
44	31	95.552	17.012,680	306.236,356	18,000	17,536	94	81	2.933	73,470	199,521	2,716	2,251
45	32	95.262	16.308,632	289.223,675	17,734	17,270	95	82	2.033	48,970	126,050	2,574	2,109
46	33	94.935	15.627,566	272.915,043	17,464	16,999	96	83	1.360	31,512	77,080	2,446	1,981
47	34	94.575	14.969,518	257.287,478	17,187	16,723	97	84	880	19,590	45,569	2,326	1,861
48	35	94.176	14.333,096	242.317,960	16,906	16,441	98	85	548	11,730	25,979	2,215	1,750
49	36	93.744	13.718,532	227.984,864	16,619	16,154	99	86	329	6,772	14,249	2,104	1,639
							100	87	189	3,734	7,477	2,002	1,538

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 14 Jahre

Zinsfuß 4,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	36	93.323	13.131,691	214.887,545	16,364	15,899
1							51	37	92.808	12.556,953	201.755,854	16,067	15,602
2							52	38	92.270	12.004,074	189.198,901	15,761	15,296
3							53	39	91.665	11.466,658	177.194,827	15,453	14,988
4							54	40	91.016	10.947,562	165.728,169	15,138	14,674
5							55	41	90.319	10.445,931	154.780,607	14,817	14,352
6							56	42	89.555	9.959,126	144.334,676	14,493	14,028
7							57	43	88.753	9.490,403	134.375,550	14,159	13,694
8							58	44	87.871	9.034,685	124.885,147	13,823	13,358
9							59	45	86.913	8.592,430	115.850,462	13,483	13,018
10							60	46	85.863	8.162,144	107.258,032	13,141	12,676
11							61	47	84.744	7.745,921	99.095,888	12,793	12,328
12							62	48	83.563	7.344,231	91.349,967	12,438	11,974
13							63	49	82.263	6.951,872	84.005,736	12,084	11,619
14	0	99.344	57.368,609	1.325.232,153	23,100	22,635	64	50	80.879	6.572,040	77.053,864	11,724	11,260
15	1	98.948	54.942,539	1.267.863,544	23,076	22,611	65	51	79.401	6.203,825	70.481,825	11,361	10,896
16	2	98.890	52.797,987	1.212.921,005	22,973	22,508	66	52	77.794	5.844,470	64.277,999	10,998	10,533
17	3	98.832	50.737,817	1.160.123,019	22,865	22,400	67	53	76.075	5.495,488	58.433,529	10,633	10,168
18	4	98.765	48.753,265	1.109.385,202	22,755	22,290	68	54	74.210	5.154,609	52.938,041	10,270	9,805
19	5	98.678	46.836,532	1.060.631,937	22,645	22,181	69	55	72.204	4.822,356	47.783,431	9,909	9,444
20	6	98.585	44.992,973	1.013.795,405	22,532	22,067	70	56	70.078	4.500,365	42.961,075	9,546	9,081
21	7	98.501	43.225,600	968.802,432	22,413	21,948	71	57	67.806	4.186,991	38.460,710	9,186	8,721
22	8	98.415	41.526,871	925.576,833	22,289	21,824	72	58	65.378	3.881,771	34.273,719	8,829	8,365
23	9	98.332	39.895,748	884.049,962	22,159	21,694	73	59	62.772	3.583,729	30.391,948	8,481	8,016
24	10	98.252	38.330,385	844.154,214	22,023	21,558	74	60	60.031	3.295,407	26.808,219	8,135	7,670
25	11	98.173	36.826,300	805.823,829	21,882	21,417	75	61	57.166	3.017,432	23.512,812	7,792	7,328
26	12	98.092	35.380,685	768.997,529	21,735	21,270	76	62	54.216	2.751,658	20.495,380	7,448	6,984
27	13	98.013	33.992,672	733.616,844	21,582	21,117	77	63	51.187	2.498,016	17.743,722	7,103	6,638
28	14	97.934	32.658,722	699.624,172	21,422	20,957	78	64	48.056	2.255,023	15.245,705	6,761	6,296
29	15	97.850	31.375,879	666.965,449	21,257	20,792	79	65	44.809	2.021,776	12.990,683	6,425	5,961
30	16	97.764	30.142,509	635.589,570	21,086	20,621	80	66	41.484	1.799,737	10.968,907	6,095	5,630
31	17	97.672	28.955,874	605.447,061	20,909	20,444	81	67	38.053	1.587,399	9.169,171	5,776	5,311
32	18	97.573	27.814,079	576.491,187	20,727	20,262	82	68	34.573	1.386,783	7.581,772	5,467	5,002
33	19	97.465	26.714,711	548.677,108	20,538	20,074	83	69	30.970	1.194,464	6.194,989	5,186	4,722
34	20	97.353	25.657,575	521.962,396	20,343	19,879	84	70	27.459	1.018,334	5.000,525	4,910	4,446
35	21	97.229	24.639,398	496.304,821	20,143	19,678	85	71	24.084	858,817	3.982,191	4,637	4,172
36	22	97.104	23.661,145	471.665,424	19,934	19,469	86	72	20.940	717,992	3.123,375	4,350	3,885
37	23	96.968	22.719,266	448.004,279	19,719	19,254	87	73	17.839	588,128	2.405,383	4,090	3,625
38	24	96.825	21.813,362	425.285,013	19,497	19,032	88	74	14.851	470,793	1.817,255	3,860	3,395
39	25	96.666	20.939,795	403.471,651	19,268	18,803	89	75	12.111	369,167	1.346,462	3,647	3,182
40	26	96.493	20.098,438	382.531,856	19,033	18,568	90	76	9.676	283,597	977,295	3,446	2,981
41	27	96.300	19.286,739	362.433,418	18,792	18,327	91	77	7.573	213,422	693,698	3,250	2,786
42	28	96.089	18.504,317	343.146,679	18,544	18,079	92	78	5.768	156,308	480,275	3,073	2,608
43	29	95.849	17.748,101	324.642,362	18,292	17,827	93	79	4.277	111,451	323,967	2,907	2,442
44	30	95.583	17.018,252	306.894,262	18,033	17,568	94	80	3.083	77,233	212,516	2,752	2,287
45	31	95.296	16.314,460	289.876,009	17,768	17,303	95	81	2.153	51,861	135,283	2,609	2,144
46	32	94.968	15.633,124	273.561,549	17,499	17,034	96	82	1.454	33,689	83,422	2,476	2,011
47	33	94.612	14.975,501	257.928,425	17,223	16,759	97	83	947	21,102	49,733	2,357	1,892
48	34	94.220	14.339,819	242.952,924	16,943	16,478	98	84	596	12,755	28,631	2,245	1,780
49	35	93.792	13.725,559	228.613,105	16,656	16,191	99	85	360	7,416	15,877	2,141	1,676
							100	86	210	4,153	8,461	2,037	1,573

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 15 Jahre

Zinsfuß 4,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	35	93.371	13.138,418	215.456,031	16,399	15,934
1							51	36	92.860	12.564,057	202.317,613	16,103	15,638
2							52	37	92.327	12.011,440	189.753,556	15,798	15,333
3							53	38	91.729	11.474,685	177.742,116	15,490	15,025
4							54	39	91.089	10.956,330	166.267,431	15,175	14,711
5							55	40	90.398	10.455,027	155.311,101	14,855	14,390
6							56	41	89.643	9.968,980	144.856,074	14,531	14,066
7							57	42	88.853	9.501,089	134.887,094	14,197	13,732
8							58	43	87.985	9.046,427	125.386,005	13,860	13,395
9							59	44	87.034	8.604,408	116.339,578	13,521	13,056
10							60	45	85.999	8.175,109	107.735,170	13,178	12,714
11							61	46	84.896	7.759,857	99.560,061	12,830	12,365
12							62	47	83.726	7.358,541	91.800,204	12,475	12,011
13							63	48	82.437	6.966,640	84.441,663	12,121	11,656
14							64	49	81.074	6.587,895	77.475,022	11,760	11,295
15	0	99.326	55.151,947	1.268.838,693	23,006	22,541	65	50	79.602	6.219,540	70.887,127	11,397	10,933
16	1	98.925	52.816,903	1.213.686,746	22,979	22,514	66	51	78.011	5.860,747	64.667,588	11,034	10,569
17	2	98.852	50.747,850	1.160.869,843	22,875	22,410	67	52	76.305	5.512,153	58.806,840	10,669	10,204
18	3	98.782	48.761,634	1.110.121,993	22,766	22,301	68	53	74.445	5.170,937	53.294,688	10,307	9,842
19	4	98.690	46.842,582	1.061.360,358	22,658	22,193	69	54	72.456	4.839,188	48.123,751	9,945	9,480
20	5	98.598	44.998,855	1.014.517,777	22,545	22,081	70	55	70.344	4.517,472	43.284,563	9,582	9,117
21	6	98.510	43.229,583	969.518,921	22,427	21,962	71	56	68.079	4.203,869	38.767,091	9,222	8,757
22	7	98.424	41.530,487	926.289,338	22,304	21,839	72	57	65.671	3.899,173	34.563,222	8,864	8,399
23	8	98.341	39.899,578	884.758,851	22,175	21,710	73	58	63.076	3.601,070	30.664,049	8,515	8,050
24	9	98.259	38.332,862	844.859,273	22,040	21,575	74	59	60.338	3.312,246	27.062,979	8,171	7,706
25	10	98.181	36.829,397	806.526,411	21,899	21,434	75	60	57.482	3.034,133	23.750,733	7,828	7,363
26	11	98.101	35.384,003	769.697,013	21,753	21,288	76	61	54.523	2.767,230	20.716,600	7,486	7,022
27	12	98.022	33.995,559	734.313,010	21,600	21,135	77	62	51.511	2.513,836	17.949,370	7,140	6,675
28	13	97.943	32.661,887	700.317,451	21,441	20,977	78	63	48.386	2.270,466	15.435,534	6,798	6,334
29	14	97.862	31.379,536	667.655,564	21,277	20,812	79	64	45.139	2.036,669	13.165,068	6,464	5,999
30	15	97.782	30.147,895	636.276,028	21,105	20,640	80	65	41.825	1.814,557	11.128,399	6,133	5,668
31	16	97.693	28.962,008	606.128,133	20,928	20,464	81	66	38.401	1.601,906	9.313,842	5,814	5,349
32	17	97.595	27.820,200	577.166,125	20,746	20,281	82	67	34.928	1.401,025	7.711,936	5,504	5,040
33	18	97.493	26.722,397	549.345,925	20,558	20,093	83	68	31.328	1.208,283	6.310,911	5,223	4,758
34	19	97.380	25.664,690	522.623,528	20,364	19,899	84	69	27.814	1.031,494	5.102,627	4,947	4,482
35	20	97.260	24.647,183	496.958,839	20,163	19,698	85	70	24.432	871,199	4.071,134	4,673	4,208
36	21	97.128	23.666,935	472.311,656	19,957	19,492	86	71	21.286	729,824	3.199,934	4,385	3,920
37	22	96.994	22.725,418	448.644,721	19,742	19,277	87	72	18.167	598,926	2.470,110	4,124	3,659
38	23	96.851	21.819,055	425.919,303	19,521	19,056	88	73	15.160	480,584	1.871,184	3,894	3,429
39	24	96.692	20.945,485	404.100,248	19,293	18,828	89	74	12.393	377,766	1.390,601	3,681	3,216
40	25	96.517	20.103,385	383.154,762	19,059	18,594	90	75	9.934	291,146	1.012,835	3,479	3,014
41	26	96.327	19.292,140	363.051,377	18,819	18,354	91	76	7.799	219,785	721,689	3,284	2,819
42	27	96.117	18.509,711	343.759,238	18,572	18,107	92	77	5.962	161,564	501,904	3,107	2,642
43	28	95.877	17.753,370	325.249,526	18,320	17,856	93	78	4.442	115,741	340,340	2,941	2,476
44	29	95.611	17.023,235	307.496,156	18,063	17,598	94	79	3.218	80,624	224,599	2,786	2,321
45	30	95.327	16.319,803	290.472,921	17,799	17,334	95	80	2.263	54,517	143,975	2,641	2,176
46	31	95.002	15.638,711	274.153,118	17,530	17,066	96	81	1.540	35,678	89,458	2,507	2,043
47	32	94.646	14.980,828	258.514,407	17,256	16,792	97	82	1.013	22,560	53,781	2,384	1,919
48	33	94.258	14.345,551	243.533,579	16,976	16,511	98	83	642	13,739	31,221	2,272	1,808
49	34	93.836	13.731,997	229.188,028	16,690	16,225	99	84	392	8,064	17,482	2,168	1,703
							100	85	230	4,547	9,418	2,071	1,606

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 16 Jahre

Zinsfuß 4,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	34	93.414	13.144,580	215.976,256	16,431	15,966
1							51	35	92.908	12.570,493	202.831,675	16,136	15,671
2							52	36	92.379	12.018,236	190.261,183	15,831	15,366
3							53	37	91.786	11.481,726	178.242,947	15,524	15,059
4							54	38	91.153	10.964,000	166.761,221	15,210	14,745
5							55	39	90.470	10.463,400	155.797,221	14,890	14,425
6							56	40	89.721	9.977,660	145.333,821	14,566	14,101
7							57	41	88.941	9.510,490	135.356,161	14,232	13,767
8							58	42	88.085	9.056,613	125.845,672	13,895	13,431
9							59	43	87.147	8.615,591	116.789,058	13,556	13,091
10							60	44	86.119	8.186,505	108.173,467	13,214	12,749
11							61	45	85.031	7.772,184	99.986,962	12,865	12,400
12							62	46	83.876	7.371,781	92.214,778	12,509	12,044
13							63	47	82.598	6.980,215	84.842,998	12,155	11,690
14							64	48	81.246	6.601,890	77.862,783	11,794	11,329
15							65	49	79.794	6.234,545	71.260,893	11,430	10,965
16	0	99.302	53.018,209	1.214.591,514	22,909	22,444	66	50	78.208	5.875,593	65.026,348	11,067	10,602
17	1	98.887	50.766,032	1.161.573,304	22,881	22,416	67	51	76.518	5.527,504	59.150,756	10,701	10,236
18	2	98.802	48.771,277	1.110.807,273	22,776	22,311	68	52	74.671	5.186,617	53.623,252	10,339	9,874
19	3	98.707	46.850,624	1.062.035,995	22,669	22,204	69	53	72.685	4.854,516	48.436,635	9,978	9,513
20	4	98.611	45.004,668	1.015.185,372	22,557	22,093	70	54	70.590	4.533,240	43.582,119	9,614	9,149
21	5	98.523	43.235,235	970.180,704	22,440	21,975	71	55	68.338	4.219,849	39.048,878	9,254	8,789
22	6	98.433	41.534,315	926.945,469	22,318	21,853	72	56	65.936	3.914,890	34.829,030	8,897	8,432
23	7	98.350	39.903,053	885.411,154	22,189	21,724	73	57	63.359	3.617,214	30.914,139	8,546	8,082
24	8	98.268	38.336,542	845.508,101	22,055	21,590	74	58	60.630	3.328,274	27.296,925	8,202	7,737
25	9	98.187	36.831,777	807.171,559	21,915	21,450	75	59	57.776	3.049,636	23.968,652	7,860	7,395
26	10	98.109	35.386,979	770.339,782	21,769	21,304	76	60	54.825	2.782,546	20.919,016	7,518	7,053
27	11	98.031	33.998,748	734.952,803	21,617	21,152	77	61	51.803	2.528,062	18.136,469	7,174	6,709
28	12	97.952	32.664,661	700.954,055	21,459	20,994	78	62	48.692	2.284,844	15.608,407	6,831	6,366
29	13	97.871	31.382,576	668.289,394	21,295	20,830	79	63	45.448	2.050,617	13.323,563	6,497	6,033
30	14	97.793	30.151,409	636.906,818	21,124	20,659	80	64	42.133	1.827,924	11.272,946	6,167	5,702
31	15	97.710	28.967,183	606.755,409	20,946	20,481	81	65	38.717	1.615,097	9.445,022	5,848	5,383
32	16	97.616	27.826,093	577.788,226	20,764	20,299	82	66	35.248	1.413,829	7.829,924	5,538	5,073
33	17	97.515	26.728,277	549.962,133	20,576	20,111	83	67	31.650	1.220,692	6.416,095	5,256	4,791
34	18	97.408	25.672,073	523.233,855	20,381	19,917	84	68	28.136	1.043,428	5.195,403	4,979	4,514
35	19	97.287	24.654,017	497.561,783	20,182	19,717	85	69	24.747	882,458	4.151,975	4,705	4,240
36	20	97.158	23.674,413	472.907,766	19,975	19,511	86	70	21.592	740,347	3.269,517	4,416	3,951
37	21	97.018	22.730,980	449.233,353	19,763	19,298	87	71	18.466	608,796	2.529,170	4,154	3,690
38	22	96.877	21.824,964	426.502,373	19,542	19,077	88	72	15.438	489,407	1.920,374	3,924	3,459
39	23	96.717	20.950,951	404.677,409	19,315	18,851	89	73	12.651	385,622	1.430,967	3,711	3,246
40	24	96.543	20.108,848	383.726,458	19,082	18,618	90	74	10.165	297,927	1.045,345	3,509	3,044
41	25	96.351	19.296,888	363.617,609	18,843	18,379	91	75	8.006	225,635	747,418	3,313	2,848
42	26	96.144	18.514,895	344.320,721	18,597	18,132	92	76	6.140	166,381	521,783	3,136	2,671
43	27	95.905	17.758,546	325.805,826	18,346	17,882	93	77	4.591	119,633	355,402	2,971	2,506
44	28	95.640	17.028,290	308.047,281	18,090	17,626	94	78	3.342	83,727	235,770	2,816	2,351
45	29	95.355	16.324,581	291.018,991	17,827	17,362	95	79	2.362	56,911	152,042	2,672	2,207
46	30	95.034	15.643,833	274.694,410	17,559	17,094	96	80	1.619	37,505	95,132	2,537	2,072
47	31	94.680	14.986,181	259.050,577	17,286	16,821	97	81	1.073	23,892	57,627	2,412	1,947
48	32	94.291	14.350,654	244.064,396	17,007	16,542	98	82	686	14,688	33,735	2,297	1,832
49	33	93.873	13.737,486	229.713,742	16,722	16,257	99	83	422	8,686	19,047	2,193	1,728
							100	84	250	4,945	10,361	2,095	1,630

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 17 Jahre

Zinsfuß 4,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	33	93.452	13.149,834	216.451,932	16,460	15,996
1							51	34	92.951	12.576,389	203.302,097	16,165	15,701
2							52	35	92.427	12.024,392	190.725,709	15,862	15,397
3							53	36	91.837	11.488,222	178.701,317	15,555	15,090
4							54	37	91.209	10.970,727	167.213,095	15,242	14,777
5							55	38	90.534	10.470,725	156.242,368	14,922	14,457
6							56	39	89.793	9.985,651	145.771,643	14,598	14,133
7							57	40	89.019	9.518,771	135.785,992	14,265	13,800
8							58	41	88.172	9.065,574	126.267,221	13,928	13,463
9							59	42	87.245	8.625,292	117.201,647	13,588	13,123
10							60	43	86.231	8.197,145	108.576,355	13,246	12,781
11							61	44	85.149	7.783,018	100.379,210	12,897	12,432
12							62	45	84.010	7.383,491	92.596,192	12,541	12,076
13							63	46	82.747	6.992,773	85.212,701	12,186	11,721
14							64	47	81.404	6.614,754	78.219,928	11,825	11,360
15							65	48	79.964	6.247,789	71.605,174	11,461	10,996
16							66	49	78.397	5.889,768	65.357,384	11,097	10,632
17	0	99.264	50.959,522	1.162.413,148	22,811	22,346	67	50	76.712	5.541,505	59.467,617	10,731	10,266
18	1	98.837	48.788,750	1.111.453,626	22,781	22,316	68	51	74.879	5.201,062	53.926,112	10,368	9,903
19	2	98.727	46.859,888	1.062.664,876	22,677	22,213	69	52	72.906	4.869,237	48.725,050	10,007	9,542
20	3	98.628	45.012,394	1.015.804,988	22,567	22,102	70	53	70.813	4.547,599	43.855,813	9,644	9,179
21	4	98.536	43.240,820	970.792,593	22,451	21,986	71	54	68.577	4.234,578	39.308,214	9,283	8,818
22	5	98.446	41.539,745	927.551,774	22,329	21,864	72	55	66.186	3.929,772	35.073,636	8,925	8,460
23	6	98.359	39.906,730	886.012,029	22,202	21,737	73	56	63.614	3.631,795	31.143,864	8,575	8,111
24	7	98.277	38.339,881	846.105,299	22,069	21,604	74	57	60.902	3.343,194	27.512,070	8,229	7,764
25	8	98.197	36.835,313	807.765,418	21,929	21,464	75	58	58.056	3.064,393	24.168,875	7,887	7,422
26	9	98.116	35.389,266	770.930,104	21,784	21,319	76	59	55.105	2.796,764	21.104,482	7,546	7,081
27	10	98.039	34.001,607	735.540,839	21,633	21,168	77	60	52.090	2.542,054	18.307,718	7,202	6,737
28	11	97.961	32.667,725	701.539,232	21,475	21,010	78	61	48.967	2.297,775	15.765,663	6,861	6,396
29	12	97.880	31.385,242	668.871,507	21,312	20,847	79	62	45.736	2.063,603	13.467,889	6,526	6,062
30	13	97.802	30.154,330	637.486,265	21,141	20,676	80	63	42.422	1.840,442	11.404,285	6,196	5,732
31	14	97.722	28.970,559	607.331,935	20,964	20,499	81	64	39.002	1.626,995	9.563,843	5,878	5,413
32	15	97.633	27.831,066	578.361,376	20,781	20,316	82	65	35.538	1.425,472	7.936,848	5,568	5,103
33	16	97.536	26.733,939	550.530,310	20,593	20,128	83	66	31.939	1.231,848	6.511,376	5,286	4,821
34	17	97.429	25.677,722	523.796,371	20,399	19,934	84	67	28.425	1.054,143	5.279,528	5,008	4,544
35	18	97.315	24.661,109	498.118,649	20,199	19,734	85	68	25.034	892,668	4.225,384	4,733	4,269
36	19	97.185	23.680,977	473.457,540	19,993	19,528	86	69	21.872	749,915	3.332,717	4,444	3,979
37	20	97.049	22.738,162	449.776,562	19,781	19,316	87	70	18.732	617,574	2.582,802	4,182	3,717
38	21	96.901	21.830,305	427.038,400	19,562	19,097	88	71	15.693	497,472	1.965,228	3,950	3,486
39	22	96.743	20.956,625	405.208,095	19,336	18,871	89	72	12.883	392,702	1.467,756	3,738	3,273
40	23	96.568	20.114,096	384.251,470	19,104	18,639	90	73	10.376	304,123	1.075,054	3,535	3,070
41	24	96.377	19.302,132	364.137,374	18,865	18,400	91	74	8.193	230,890	770,931	3,339	2,874
42	25	96.168	18.519,452	344.835,242	18,620	18,155	92	75	6.303	170,809	540,041	3,162	2,697
43	26	95.932	17.763,519	326.315,790	18,370	17,905	93	76	4.728	123,199	369,231	2,997	2,532
44	27	95.668	17.033,254	308.552,271	18,115	17,650	94	77	3.454	86,543	246,032	2,843	2,378
45	28	95.383	16.329,428	291.519,018	17,852	17,388	95	78	2.453	59,101	159,489	2,699	2,234
46	29	95.061	15.648,413	275.189,589	17,586	17,121	96	79	1.690	39,152	100,388	2,564	2,099
47	30	94.711	14.991,090	259.541,176	17,313	16,848	97	80	1.128	25,115	61,237	2,438	1,973
48	31	94.325	14.355,782	244.550,086	17,035	16,570	98	81	726	15,555	36,121	2,322	1,857
49	32	93.906	13.742,373	230.194,304	16,751	16,286	99	82	451	9,286	20,566	2,215	1,750
							100	83	269	5,327	11,279	2,118	1,653

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 18 Jahre

Zinsfuß 4,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	32	93.485	13.154,512	216.886,730	16,488	16,023
1							51	33	92.989	12.581,416	203.732,218	16,193	15,728
2							52	34	92.470	12.030,032	191.150,802	15,889	15,425
3							53	35	91.884	11.494,106	179.120,771	15,584	15,119
4							54	36	91.260	10.976,934	167.626,664	15,271	14,806
5							55	37	90.589	10.477,149	156.649,730	14,952	14,487
6							56	38	89.856	9.992,641	146.172,581	14,628	14,163
7							57	39	89.090	9.526,394	136.179,940	14,295	13,830
8							58	40	88.248	9.073,468	126.653,545	13,959	13,494
9							59	41	87.331	8.633,826	117.580,077	13,619	13,154
10							60	42	86.328	8.206,375	108.946,251	13,276	12,811
11							61	43	85.260	7.793,134	100.739,876	12,927	12,462
12							62	44	84.127	7.393,783	92.946,743	12,571	12,106
13							63	45	82.878	7.003,882	85.552,960	12,215	11,750
14							64	46	81.551	6.626,655	78.549,078	11,854	11,389
15							65	47	80.120	6.259,963	71.922,423	11,489	11,024
16							66	48	78.563	5.902,280	65.662,460	11,125	10,660
17							67	49	76.897	5.554,874	59.760,180	10,758	10,293
18	0	99.214	48.974,704	1.112.233,569	22,710	22,246	68	50	75.069	5.214,236	54.205,306	10,396	9,931
19	1	98.762	46.876,677	1.063.258,864	22,682	22,217	69	51	73.109	4.882,798	48.991,070	10,033	9,569
20	2	98.647	45.021,295	1.016.382,187	22,576	22,111	70	52	71.028	4.561,389	44.108,272	9,670	9,205
21	3	98.553	43.248,243	971.360,892	22,460	21,995	71	53	68.794	4.247,991	39.546,883	9,310	8,845
22	4	98.459	41.545,111	928.112,649	22,340	21,875	72	54	66.417	3.943,488	35.298,892	8,951	8,486
23	5	98.372	39.911,948	886.567,538	22,213	21,748	73	55	63.856	3.645,600	31.355,404	8,601	8,136
24	6	98.286	38.343,414	846.655,591	22,081	21,616	74	56	61.147	3.356,671	27.709,804	8,255	7,790
25	7	98.205	36.838,522	808.312,176	21,942	21,477	75	57	58.316	3.078,131	24.353,133	7,912	7,447
26	8	98.125	35.392,663	771.473,655	21,798	21,333	76	58	55.371	2.810,298	21.275,002	7,570	7,106
27	9	98.046	34.003,804	736.080,992	21,647	21,182	77	59	52.356	2.555,043	18.464,704	7,227	6,762
28	10	97.969	32.670,472	702.077,187	21,490	21,025	78	60	49.239	2.310,492	15.909,661	6,886	6,421
29	11	97.889	31.388,185	669.406,715	21,327	20,862	79	61	45.995	2.075,282	13.599,169	6,553	6,088
30	12	97.811	30.156,892	638.018,530	21,157	20,692	80	62	42.690	1.852,098	11.523,887	6,222	5,757
31	13	97.731	28.973,366	607.861,638	20,980	20,515	81	63	39.269	1.638,138	9.671,789	5,904	5,439
32	14	97.644	27.834,309	578.888,272	20,798	20,333	82	64	35.800	1.435,973	8.033,652	5,595	5,130
33	15	97.553	26.738,716	551.053,963	20,609	20,144	83	65	32.202	1.241,992	6.597,679	5,312	4,847
34	16	97.450	25.683,161	524.315,247	20,415	19,950	84	66	28.685	1.063,778	5.355,687	5,035	4,570
35	17	97.336	24.666,536	498.632,086	20,215	19,750	85	67	25.291	901,835	4.291,909	4,759	4,294
36	18	97.213	23.687,790	473.965,549	20,009	19,544	86	68	22.125	758,591	3.390,074	4,469	4,004
37	19	97.075	22.744,467	450.277,759	19,797	19,332	87	69	18.974	625,555	2.631,483	4,207	3,742
38	20	96.931	21.837,203	427.533,293	19,578	19,113	88	70	15.919	504,645	2.005,928	3,975	3,510
39	21	96.767	20.961,754	405.696,090	19,354	18,889	89	71	13.096	399,173	1.501,283	3,761	3,296
40	22	96.594	20.119,543	384.734,336	19,122	18,658	90	72	10.567	309,707	1.102,110	3,559	3,094
41	23	96.402	19.307,169	364.614,793	18,885	18,420	91	73	8.363	235,692	792,403	3,362	2,897
42	24	96.194	18.524,485	345.307,623	18,641	18,176	92	74	6.450	174,788	556,712	3,185	2,720
43	25	95.955	17.767,891	326.783,139	18,392	17,927	93	75	4.854	126,479	381,924	3,020	2,555
44	26	95.694	17.038,024	309.015,248	18,137	17,672	94	76	3.557	89,123	255,445	2,866	2,401
45	27	95.411	16.334,189	291.977,224	17,875	17,410	95	77	2.536	61,089	166,323	2,723	2,258
46	28	95.090	15.653,059	275.643,036	17,610	17,145	96	78	1.755	40,658	105,234	2,588	2,123
47	29	94.739	14.995,479	259.989,977	17,338	16,873	97	79	1.177	26,218	64,576	2,463	1,998
48	30	94.356	14.360,484	244.994,497	17,060	16,596	98	80	764	16,352	38,357	2,346	1,881
49	31	93.940	13.747,283	230.634,014	16,777	16,312	99	81	478	9,835	22,005	2,238	1,773
							100	82	288	5,695	12,171	2,137	1,672

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 19 Jahre

Zinsfuß 4,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	31	93.518	13.159,212	217.284,562	16,512	16,047
1							51	32	93.022	12.585,891	204.125,350	16,219	15,754
2							52	33	92.507	12.034,841	191.539,458	15,915	15,451
3							53	34	91.928	11.499,497	179.504,618	15,610	15,145
4							54	35	91.307	10.982,557	168.005,120	15,297	14,833
5							55	36	90.641	10.483,077	157.022,564	14,979	14,514
6							56	37	89.911	9.998,773	146.539,486	14,656	14,191
7							57	38	89.152	9.533,063	136.540,714	14,323	13,858
8							58	39	88.319	9.080,735	127.007,651	13,986	13,522
9							59	40	87.407	8.641,344	117.926,916	13,647	13,182
10							60	41	86.413	8.214,495	109.285,572	13,304	12,839
11							61	42	85.356	7.801,908	101.071,077	12,955	12,490
12							62	43	84.236	7.403,393	93.269,169	12,598	12,133
13							63	44	82.994	7.013,645	85.865,776	12,243	11,778
14							64	45	81.680	6.637,182	78.852,132	11,880	11,416
15							65	46	80.264	6.271,226	72.214,950	11,515	11,050
16							66	47	78.716	5.913,780	65.943,724	11,151	10,686
17							67	48	77.060	5.566,675	60.029,944	10,784	10,319
18							68	49	75.250	5.226,816	54.463,269	10,420	9,955
19	0	99.139	47.055,343	1.063.983,495	22,611	22,147	69	50	73.294	4.895,166	49.236,453	10,058	9,593
20	1	98.683	45.037,425	1.016.928,151	22,580	22,115	70	51	71.226	4.574,093	44.341,287	9,694	9,229
21	2	98.572	43.256,796	971.890,726	22,468	22,003	71	52	69.003	4.260,872	39.767,194	9,333	8,868
22	3	98.475	41.552,243	928.633,931	22,349	21,884	72	53	66.628	3.955,979	35.506,322	8,975	8,511
23	4	98.384	39.917,103	887.081,688	22,223	21,758	73	54	64.079	3.658,324	31.550,342	8,624	8,159
24	5	98.299	38.348,427	847.164,585	22,091	21,626	74	55	61.380	3.369,430	27.892,018	8,278	7,813
25	6	98.215	36.841,916	808.816,158	21,954	21,489	75	56	58.551	3.090,539	24.522,588	7,935	7,470
26	7	98.134	35.395,746	771.974,241	21,810	21,345	76	57	55.620	2.822,897	21.432,049	7,592	7,127
27	8	98.055	34.007,069	736.578,495	21,660	21,195	77	58	52.609	2.567,407	18.609,152	7,248	6,783
28	9	97.975	32.672,583	702.571,427	21,503	21,039	78	59	49.490	2.322,298	16.041,745	6,908	6,443
29	10	97.897	31.390,825	669.898,843	21,341	20,876	79	60	46.250	2.086,768	13.719,447	6,574	6,110
30	11	97.820	30.159,720	638.508,018	21,171	20,706	80	61	42.932	1.862,579	11.632,679	6,245	5,781
31	12	97.739	28.975,827	608.348,298	20,995	20,530	81	62	39.518	1.648,512	9.770,100	5,927	5,462
32	13	97.654	27.837,006	579.372,472	20,813	20,348	82	63	36.045	1.445,807	8.121,589	5,617	5,153
33	14	97.564	26.741,832	551.535,465	20,624	20,160	83	64	32.439	1.251,141	6.675,782	5,336	4,871
34	15	97.467	25.687,751	524.793,633	20,430	19,965	84	65	28.921	1.072,537	5.424,641	5,058	4,593
35	16	97.357	24.671,761	499.105,882	20,230	19,765	85	66	25.522	910,077	4.352,103	4,782	4,317
36	17	97.234	23.693,003	474.434,121	20,024	19,559	86	67	22.352	766,381	3.442,026	4,491	4,026
37	18	97.103	22.751,010	450.741,118	19,812	19,347	87	68	19.194	632,792	2.675,645	4,228	3,763
38	19	96.958	21.843,258	427.990,108	19,594	19,129	88	69	16.125	511,167	2.042,852	3,996	3,532
39	20	96.798	20.968,377	406.146,850	19,369	18,905	89	70	13.285	404,929	1.531,686	3,783	3,318
40	21	96.618	20.124,467	385.178,474	19,140	18,675	90	71	10.741	314,811	1.126,757	3,579	3,114
41	22	96.428	19.312,398	365.054,006	18,903	18,438	91	72	8.517	240,019	811,946	3,383	2,918
42	23	96.219	18.529,319	345.741,608	18,659	18,194	92	73	6.584	178,423	571,927	3,205	2,741
43	24	95.981	17.772,719	327.212,289	18,411	17,946	93	74	4.967	129,425	393,504	3,040	2,576
44	25	95.718	17.042,217	309.439,570	18,157	17,692	94	75	3.652	91,495	264,080	2,886	2,421
45	26	95.438	16.338,763	292.397,353	17,896	17,431	95	76	2.611	62,910	172,585	2,743	2,279
46	27	95.117	15.657,622	276.058,590	17,631	17,166	96	77	1.814	42,026	109,675	2,610	2,145
47	28	94.767	14.999,931	260.400,968	17,360	16,895	97	78	1.222	27,227	67,650	2,485	2,020
48	29	94.384	14.364,688	245.401,036	17,084	16,619	98	79	797	17,070	40,422	2,368	1,903
49	30	93.971	13.751,786	231.036,348	16,800	16,336	99	80	502	10,338	23,352	2,259	1,794
							100	81	305	6,031	13,014	2,158	1,693

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 20 Jahre

Zinsfuß 4,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	30	93.549	13.163,522	217.648,566	16,534	16,069
1							51	31	93.055	12.590,389	204.485,044	16,241	15,777
2							52	32	92.540	12.039,121	191.894,655	15,939	15,474
3							53	33	91.964	11.504,094	179.855,534	15,634	15,169
4							54	34	91.350	10.987,708	168.351,439	15,322	14,857
5							55	35	90.687	10.488,447	157.363,732	15,004	14,539
6							56	36	89.962	10.004,430	146.875,285	14,681	14,216
7							57	37	89.207	9.538,912	136.870,855	14,349	13,884
8							58	38	88.381	9.087,092	127.331,943	14,012	13,548
9							59	39	87.477	8.648,265	118.244,851	13,673	13,208
10							60	40	86.489	8.221,647	109.596,586	13,330	12,865
11							61	41	85.441	7.809,628	101.374,939	12,981	12,516
12							62	42	84.331	7.411,729	93.565,311	12,624	12,159
13							63	43	83.101	7.022,760	86.153,583	12,268	11,803
14							64	44	81.794	6.646,434	79.130,822	11,906	11,441
15							65	45	80.391	6.281,188	72.484,388	11,540	11,075
16							66	46	78.858	5.924,420	66.203,201	11,175	10,710
17							67	47	77.210	5.577,521	60.278,780	10,807	10,343
18							68	48	75.409	5.237,920	54.701,259	10,443	9,978
19							69	49	73.471	4.906,976	49.463,339	10,080	9,615
20	0	99.059	45.209,081	1.017.601,716	22,509	22,044	70	50	71.406	4.585,679	44.556,363	9,716	9,252
21	1	98.608	43.272,293	972.392,635	22,471	22,007	71	51	69.195	4.272,739	39.970,684	9,355	8,890
22	2	98.495	41.560,460	929.120,342	22,356	21,891	72	52	66.830	3.967,975	35.697,946	8,997	8,532
23	3	98.401	39.923,956	887.559,882	22,231	21,766	73	53	64.282	3.669,912	31.729,970	8,646	8,181
24	4	98.311	38.353,381	847.635,926	22,101	21,636	74	54	61.594	3.381,191	28.060,058	8,299	7,834
25	5	98.227	36.846,733	809.282,545	21,963	21,499	75	55	58.774	3.102,287	24.678,867	7,955	7,490
26	6	98.143	35.399,008	772.435,812	21,821	21,356	76	56	55.844	2.834,275	21.576,580	7,613	7,148
27	7	98.063	34.010,031	737.036,805	21,671	21,206	77	57	52.845	2.578,917	18.742,305	7,268	6,803
28	8	97.985	32.675,720	703.026,774	21,515	21,050	78	58	49.730	2.333,536	16.163,388	6,927	6,462
29	9	97.903	31.392,854	670.351,054	21,354	20,889	79	59	46.486	2.097,431	13.829,852	6,594	6,129
30	10	97.828	30.162,256	638.958,201	21,184	20,719	80	60	43.170	1.872,888	11.732,421	6,264	5,800
31	11	97.748	28.978,545	608.795,944	21,009	20,544	81	61	39.741	1.657,841	9.859,534	5,947	5,482
32	12	97.662	27.839,371	579.817,400	20,827	20,362	82	62	36.273	1.454,963	8.201,693	5,637	5,172
33	13	97.574	26.744,424	551.978,029	20,639	20,174	83	63	32.662	1.259,710	6.746,730	5,356	4,891
34	14	97.479	25.690,745	525.233,605	20,444	19,980	84	64	29.134	1.080,438	5.487,021	5,079	4,614
35	15	97.374	24.676,170	499.542,861	20,244	19,779	85	65	25.732	917,571	4.406,582	4,802	4,338
36	16	97.255	23.698,021	474.866,691	20,038	19,573	86	66	22.556	773,386	3.489,011	4,511	4,047
37	17	97.125	22.756,016	451.168,669	19,826	19,362	87	67	19.391	639,291	2.715,625	4,248	3,783
38	18	96.986	21.849,542	428.412,653	19,607	19,143	88	68	16.311	517,081	2.076,334	4,015	3,551
39	19	96.825	20.974,191	406.563,111	19,384	18,919	89	69	13.456	410,161	1.559,253	3,802	3,337
40	20	96.649	20.130,826	385.588,920	19,154	18,689	90	70	10.896	319,350	1.149,092	3,598	3,133
41	21	96.452	19.317,124	365.458,095	18,919	18,454	91	71	8.657	243,974	829,742	3,401	2,936
42	22	96.245	18.534,337	346.140,970	18,676	18,211	92	72	6.705	181,699	585,768	3,224	2,759
43	23	96.007	17.777,357	327.606,633	18,428	17,963	93	73	5.071	132,116	404,069	3,058	2,594
44	24	95.744	17.046,848	309.829,276	18,175	17,710	94	74	3.737	93,626	271,953	2,905	2,440
45	25	95.461	16.342,784	292.782,427	17,915	17,450	95	75	2.681	64,584	178,327	2,761	2,296
46	26	95.144	15.662,007	276.439,643	17,650	17,186	96	76	1.868	43,278	113,743	2,628	2,163
47	27	94.794	15.004,304	260.777,636	17,380	16,915	97	77	1.264	28,143	70,464	2,504	2,039
48	28	94.412	14.368,953	245.773,332	17,104	16,640	98	78	828	17,727	42,322	2,387	1,923
49	29	93.998	13.755,812	231.404,379	16,822	16,357	99	79	524	10,792	24,595	2,279	1,814
							100	80	320	6,340	13,802	2,177	1,712

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 21 Jahre

Zinsfuß 4,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	29	93.576	13.167,377	217.981,508	16,555	16,090
1							51	30	93.085	12.594,512	204.814,131	16,262	15,797
2							52	31	92.573	12.043,423	192.219,619	15,961	15,496
3							53	32	91.997	11.508,186	180.176,195	15,656	15,192
4							54	33	91.386	10.992,100	168.668,009	15,344	14,880
5							55	34	90.729	10.493,366	157.675,909	15,026	14,561
6							56	35	90.008	10.009,554	147.182,543	14,704	14,239
7							57	36	89.258	9.544,309	137.172,988	14,372	13,907
8							58	37	88.435	9.092,667	127.628,679	14,036	13,572
9							59	38	87.539	8.654,319	118.536,012	13,697	13,232
10							60	39	86.558	8.228,232	109.881,693	13,354	12,889
11							61	40	85.515	7.816,428	101.653,461	13,005	12,540
12							62	41	84.414	7.419,062	93.837,033	12,648	12,183
13							63	42	83.195	7.030,668	86.417,971	12,292	11,827
14							64	43	81.900	6.655,072	79.387,303	11,929	11,464
15							65	44	80.503	6.289,944	72.732,231	11,563	11,098
16							66	45	78.983	5.933,831	66.442,288	11,197	10,732
17							67	46	77.349	5.587,557	60.508,456	10,829	10,364
18							68	47	75.556	5.248,125	54.920,899	10,465	10,000
19							69	48	73.627	4.917,400	49.672,774	10,101	9,637
20							70	49	71.579	4.596,742	44.755,374	9,736	9,272
21	0	98.983	43.437,222	973.019,042	22,401	21,936	71	50	69.370	4.283,562	40.158,632	9,375	8,910
22	1	98.530	41.575,350	929.581,820	22,359	21,894	72	51	67.016	3.979,026	35.875,070	9,016	8,551
23	2	98.421	39.931,851	888.006,470	22,238	21,773	73	52	64.477	3.681,041	31.896,044	8,665	8,200
24	3	98.328	38.359,965	848.074,620	22,108	21,644	74	53	61.789	3.391,901	28.215,003	8,318	7,854
25	4	98.240	36.851,493	809.714,654	21,972	21,508	75	54	58.979	3.113,115	24.823,102	7,974	7,509
26	5	98.156	35.403,636	772.863,162	21,830	21,365	76	55	56.056	2.845,049	21.709,987	7,631	7,166
27	6	98.072	34.013,165	737.459,526	21,682	21,217	77	56	53.058	2.589,312	18.864,938	7,286	6,821
28	7	97.993	32.678,566	703.446,361	21,526	21,061	78	57	49.953	2.343,997	16.275,626	6,944	6,479
29	8	97.913	31.395,867	670.767,795	21,365	20,900	79	58	46.711	2.107,580	13.931,628	6,610	6,145
30	9	97.835	30.164,205	639.371,928	21,196	20,732	80	59	43.390	1.882,458	11.824,048	6,281	5,816
31	10	97.757	28.980,982	609.207,723	21,021	20,556	81	60	39.961	1.667,017	9.941,591	5,964	5,499
32	11	97.671	27.841,982	580.226,741	20,840	20,375	82	61	36.478	1.463,197	8.274,574	5,655	5,190
33	12	97.582	26.746,695	552.384,760	20,652	20,188	83	62	32.868	1.267,687	6.811,377	5,373	4,908
34	13	97.488	25.693,234	525.638,064	20,458	19,993	84	63	29.334	1.087,838	5.543,690	5,096	4,631
35	14	97.386	24.679,046	499.944,830	20,258	19,793	85	64	25.922	924,331	4.455,853	4,821	4,356
36	15	97.272	23.702,256	475.265,785	20,051	19,587	86	65	22.742	779,754	3.531,522	4,529	4,064
37	16	97.145	22.760,837	451.563,528	19,839	19,375	87	66	19.568	645,134	2.751,768	4,265	3,801
38	17	97.007	21.854,350	428.802,692	19,621	19,156	88	67	16.479	522,391	2.106,634	4,033	3,568
39	18	96.852	20.980,225	406.948,342	19,397	18,932	89	68	13.612	414,907	1.584,243	3,818	3,353
40	19	96.675	20.136,408	385.968,117	19,168	18,703	90	69	11.037	323,477	1.169,336	3,615	3,150
41	20	96.482	19.323,228	365.831,709	18,932	18,467	91	70	8.782	247,492	845,860	3,418	2,953
42	21	96.268	18.538,873	346.508,481	18,691	18,226	92	71	6.816	184,693	598,367	3,240	2,775
43	22	96.033	17.782,172	327.969,609	18,444	17,979	93	72	5.164	134,542	413,674	3,075	2,610
44	23	95.769	17.051,297	310.187,437	18,191	17,727	94	73	3.815	95,573	279,133	2,921	2,456
45	24	95.487	16.347,225	293.136,140	17,932	17,467	95	74	2.743	66,088	183,560	2,777	2,313
46	25	95.167	15.665,862	276.788,914	17,668	17,203	96	75	1.918	44,430	117,471	2,644	2,179
47	26	94.821	15.008,506	261.123,052	17,398	16,934	97	76	1.301	28,982	73,041	2,520	2,055
48	27	94.439	14.373,142	246.114,546	17,123	16,658	98	77	856	18,323	44,059	2,405	1,940
49	28	94.026	13.759,897	231.741,404	16,842	16,377	99	78	544	11,208	25,736	2,296	1,831
							100	79	334	6,618	14,528	2,195	1,730

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 22 Jahre

Zinsfuß 4,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	28	93.604	13.171,286	218.286,383	16,573	16,108
1							51	29	93.113	12.598,200	205.115,097	16,281	15,816
2							52	30	92.603	12.047,368	192.516,897	15,980	15,515
3							53	31	92.030	11.512,299	180.469,529	15,676	15,211
4							54	32	91.419	10.996,010	168.957,231	15,365	14,901
5							55	33	90.766	10.497,561	157.961,221	15,047	14,583
6							56	34	90.500	10.014,249	147.463,660	14,725	14,261
7							57	35	89.303	9.549,198	137.449,411	14,394	13,929
8							58	36	88.485	9.097,812	127.900,213	14,058	13,594
9							59	37	87.592	8.659,629	118.802,401	13,719	13,254
10							60	38	86.619	8.233,992	110.142,772	13,377	12,912
11							61	39	85.583	7.822,688	101.908,780	13,027	12,563
12							62	40	84.488	7.425,522	94.086,092	12,671	12,206
13							63	41	83.277	7.037,624	86.660,570	12,314	11,849
14							64	42	81.993	6.662,565	79.622,946	11,951	11,486
15							65	43	80.608	6.298,119	72.960,380	11,584	11,120
16							66	44	79.093	5.942,103	66.662,262	11,219	10,754
17							67	45	77.472	5.596,433	60.720,159	10,850	10,385
18							68	46	75.692	5.257,568	55.123,726	10,485	10,020
19							69	47	73.770	4.926,981	49.866,158	10,121	9,656
20							70	48	71.731	4.606,508	44.939,177	9,756	9,291
21							71	49	69.537	4.293,896	40.332,669	9,393	8,928
22	0	98.906	41.733,810	930.164,641	22,288	21,823	72	50	67.186	3.989,105	36.038,773	9,034	8,569
23	1	98.456	39.946,157	888.430,831	22,241	21,776	73	51	64.657	3.691,293	32.049,668	8,683	8,218
24	2	98.348	38.367,551	848.484,673	22,115	21,650	74	52	61.976	3.402,186	28.358,376	8,335	7,871
25	3	98.257	36.857,819	810.117,122	21,980	21,515	75	53	59.166	3.122,976	24.956,189	7,991	7,526
26	4	98.168	35.408,209	773.259,303	21,838	21,374	76	54	56.252	2.854,980	21.833,213	7,647	7,183
27	5	98.085	34.017,612	737.851,094	21,690	21,225	77	55	53.260	2.599,155	18.978,234	7,302	6,837
28	6	98.002	32.681,577	703.833,483	21,536	21,071	78	56	50.154	2.353,446	16.379,079	6,960	6,495
29	7	97.921	31.398,602	671.151,905	21,375	20,910	79	57	46.920	2.117,029	14.025,633	6,625	6,160
30	8	97.844	30.167,101	639.753,304	21,207	20,742	80	58	43.600	1.891,567	11.908,605	6,296	5,831
31	9	97.763	28.982,854	609.586,202	21,033	20,568	81	59	40.166	1.675,535	10.017,038	5,978	5,514
32	10	97.680	27.844,323	580.603,348	20,852	20,387	82	60	36.680	1.471,295	8.341,503	5,669	5,205
33	11	97.591	26.749,204	552.759,025	20,665	20,200	83	61	33.054	1.274,861	6.870,208	5,389	4,924
34	12	97.497	25.695,416	526.009,821	20,471	20,006	84	62	29.519	1.094,727	5.595,347	5,111	4,646
35	13	97.395	24.681,437	500.314,405	20,271	19,806	85	63	26.099	930,661	4.500,620	4,836	4,371
36	14	97.284	23.705,019	475.632,968	20,065	19,600	86	64	22.909	785,498	3.569,959	4,545	4,080
37	15	97.163	22.764,904	451.927,949	19,852	19,387	87	65	19.729	650,446	2.784,461	4,281	3,816
38	16	97.028	21.858,979	429.163,045	19,633	19,168	88	66	16.630	527,165	2.134,015	4,048	3,583
39	17	96.874	20.984,842	407.304,066	19,409	18,945	89	67	13.752	419,168	1.606,850	3,833	3,369
40	18	96.703	20.142,200	386.319,224	19,180	18,715	90	68	11.165	327,219	1.187,682	3,630	3,165
41	19	96.509	19.328,586	366.177,024	18,945	18,480	91	69	8.896	250,691	860,463	3,432	2,968
42	20	96.299	18.544,730	346.848,438	18,703	18,239	92	70	6.914	187,356	609,772	3,255	2,790
43	21	96.056	17.786,524	328.303,708	18,458	17,993	93	71	5.249	136,759	422,416	3,089	2,624
44	22	95.795	17.055,915	310.517,184	18,206	17,741	94	72	3.885	97,328	285,657	2,935	2,470
45	23	95.512	16.351,492	293.461,269	17,947	17,482	95	73	2.800	67,463	188,329	2,792	2,327
46	24	95.193	15.670,119	277.109,778	17,684	17,219	96	74	1.963	45,465	120,867	2,658	2,194
47	25	94.844	15.012,200	261.439,658	17,415	16,950	97	75	1.336	29,753	75,401	2,534	2,069
48	26	94.466	14.377,167	246.427,458	17,140	16,675	98	76	881	18,869	45,648	2,419	1,954
49	27	94.054	13.763,908	232.050,291	16,859	16,395	99	77	563	11,585	26,779	2,312	1,847
							100	78	347	6,873	15,194	2,211	1,746

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 23 Jahre

Zinsfuß 4,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	27	93.631	13.175,126	218.565,790	16,589	16,124
1							51	28	93.140	12.601,940	205.390,664	16,298	15,834
2							52	29	92.630	12.050,895	192.788,724	15,998	15,533
3							53	30	92.060	11.516,069	180.737,828	15,694	15,230
4							54	31	91.451	10.999,939	169.221,759	15,384	14,919
5							55	32	90.798	10.501,295	158.221,820	15,067	14,602
6							56	33	90.086	10.018,252	147.720,525	14,745	14,280
7							57	34	89.345	9.553,677	137.702,273	14,414	13,949
8							58	35	88.531	9.102,472	128.148,596	14,078	13,614
9							59	36	87.642	8.664,528	119.046,124	13,739	13,275
10							60	37	86.672	8.239,044	110.381,596	13,397	12,933
11							61	38	85.643	7.828,164	102.142,552	13,048	12,583
12							62	39	84.555	7.431,469	94.314,387	12,691	12,226
13							63	40	83.350	7.043,752	86.882,918	12,335	11,870
14							64	41	82.074	6.669,158	79.839,166	11,971	11,507
15							65	42	80.699	6.305,210	73.170,008	11,605	11,140
16							66	43	79.196	5.949,826	66.864,798	11,238	10,773
17							67	44	77.580	5.604,234	60.914,972	10,869	10,405
18							68	45	75.813	5.265,920	55.310,739	10,504	10,039
19							69	46	73.903	4.935,846	50.044,819	10,139	9,674
20							70	47	71.871	4.615,483	45.108,973	9,773	9,309
21							71	48	69.685	4.303,018	40.493,490	9,410	8,946
22							72	49	67.348	3.998,729	36.190,472	9,050	8,586
23	0	98.831	40.098,408	888.973,348	22,170	21,705	73	50	64.820	3.700,643	32.191,743	8,699	8,234
24	1	98.383	38.381,297	848.874,939	22,117	21,652	74	51	62.149	3.411,661	28.491,100	8,351	7,886
25	2	98.276	36.865,108	810.493,642	21,985	21,521	75	52	59.345	3.132,446	25.079,439	8,006	7,542
26	3	98.185	35.414,288	773.628,534	21,845	21,380	76	53	56.430	2.864,023	21.946,993	7,663	7,198
27	4	98.098	34.022,006	738.214,247	21,698	21,233	77	54	53.446	2.608,227	19.082,970	7,316	6,852
28	5	98.015	32.685,850	704.192,241	21,544	21,079	78	55	50.345	2.362,392	16.474,743	6,974	6,509
29	6	97.930	31.401,495	671.506,391	21,385	20,920	79	56	47.109	2.125,562	14.112,351	6,639	6,175
30	7	97.852	30.169,729	640.104,896	21,217	20,752	80	57	43.796	1.900,047	11.986,789	6,309	5,844
31	8	97.772	28.985,637	609.935,167	21,043	20,578	81	58	40.360	1.683,642	10.086,742	5,991	5,526
32	9	97.686	27.846,122	580.949,530	20,863	20,398	82	59	36.868	1.478,813	8.403,100	5,682	5,218
33	10	97.599	26.751,453	553.103,408	20,676	20,211	83	60	33.237	1.281,917	6.924,287	5,402	4,937
34	11	97.506	25.697,826	526.351,954	20,482	20,018	84	61	29.686	1.100,922	5.642,370	5,125	4,660
35	12	97.403	24.683,533	500.654,128	20,283	19,818	85	62	26.264	936,555	4.541,448	4,849	4,384
36	13	97.293	23.707,316	475.970,595	20,077	19,612	86	63	23.066	790,878	3.604,893	4,558	4,093
37	14	97.174	22.767,557	452.263,279	19,864	19,400	87	64	19.875	655,238	2.814,015	4,295	3,830
38	15	97.045	21.862,885	429.495,722	19,645	19,180	88	65	16.766	531,506	2.158,778	4,062	3,597
39	16	96.894	20.989,287	407.632,837	19,421	18,956	89	66	13.877	422,999	1.627,272	3,847	3,382
40	17	96.724	20.146,633	386.643,550	19,191	18,727	90	67	11.279	330,580	1.204,273	3,643	3,178
41	18	96.537	19.334,146	366.496,917	18,956	18,491	91	68	8.998	253,591	873,693	3,445	2,980
42	19	96.325	18.549,872	347.162,771	18,715	18,250	92	69	7.003	189,777	620,102	3,268	2,803
43	20	96.086	17.792,143	328.612,898	18,470	18,005	93	70	5.324	138,731	430,325	3,102	2,637
44	21	95.818	17.060,089	310.820,755	18,219	17,754	94	71	3.949	98,932	291,594	2,947	2,483
45	22	95.538	16.355,920	293.760,666	17,961	17,496	95	72	2.852	68,701	192,662	2,804	2,340
46	23	95.218	15.674,209	277.404,746	17,698	17,233	96	73	2.004	46,411	123,961	2,671	2,206
47	24	94.870	15.016,279	261.730,538	17,430	16,965	97	74	1.367	30,446	77,550	2,547	2,082
48	25	94.489	14.380,706	246.714,258	17,156	16,691	98	75	905	19,372	47,104	2,432	1,967
49	26	94.080	13.767,762	232.333,552	16,875	16,410	99	76	579	11,930	27,732	2,325	1,860
							100	77	359	7,104	15,802	2,225	1,760

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 24 Jahre

Zinsfuß 4,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	26	93.658	13.178,815	218.821,999	16,604	16,139
1							51	27	93.167	12.605,614	205.643,184	16,314	15,849
2							52	28	92.658	12.054,473	193.037,569	16,014	15,549
3							53	29	92.087	11.519,441	180.983,096	15,711	15,246
4							54	30	91.481	11.003,542	169.463,655	15,401	14,936
5							55	31	90.830	10.505,047	158.460,113	15,084	14,619
6							56	32	90.118	10.021,816	147.955,066	14,763	14,298
7							57	33	89.381	9.557,496	137.933,250	14,432	13,967
8							58	34	88.572	9.106,741	128.375,754	14,097	13,632
9							59	35	87.687	8.668,966	119.269,013	13,758	13,293
10							60	36	86.721	8.243,706	110.600,046	13,416	12,951
11							61	37	85.696	7.832,967	102.356,341	13,067	12,603
12							62	38	84.615	7.436,672	94.523,373	12,710	12,246
13							63	39	83.417	7.049,393	87.086,702	12,354	11,889
14							64	40	82.145	6.674,965	80.037,308	11,991	11,526
15							65	41	80.779	6.311,449	73.362,344	11,624	11,159
16							66	42	79.285	5.956,525	67.050,895	11,257	10,792
17							67	43	77.681	5.611,518	61.094,370	10,887	10,422
18							68	44	75.918	5.273,260	55.482,852	10,522	10,057
19							69	45	74.020	4.943,687	50.209,592	10,156	9,691
20							70	46	72.000	4.623,787	45.265,905	9,790	9,325
21							71	47	69.821	4.311,402	40.642,118	9,427	8,962
22							72	48	67.491	4.007,224	36.330,716	9,066	8,601
23							73	49	64.977	3.709,571	32.323,492	8,714	8,249
24	0	98.758	38.527,584	849.380,161	22,046	21,581	74	50	62.306	3.420,303	28.613,921	8,366	7,901
25	1	98.312	36.878,316	810.852,577	21,987	21,522	75	51	59.510	3.141,170	25.193,618	8,020	7,556
26	2	98.204	35.421,291	773.974,262	21,851	21,386	76	52	56.601	2.872,708	22.052,448	7,677	7,212
27	3	98.115	34.027,847	738.552,971	21,704	21,240	77	53	53.615	2.616,489	19.179,741	7,330	6,866
28	4	98.028	32.690,072	704.525,124	21,552	21,087	78	54	50.520	2.370,637	16.563,252	6,987	6,522
29	5	97.943	31.405,601	671.835,052	21,392	20,927	79	55	47.288	2.133,642	14.192,615	6,652	6,187
30	6	97.861	30.172,509	640.429,451	21,226	20,761	80	56	43.972	1.907,706	12.058,973	6,321	5,856
31	7	97.781	28.988,161	610.256,943	21,052	20,587	81	57	40.541	1.691,190	10.151,267	6,002	5,538
32	8	97.695	27.848,796	581.268,781	20,872	20,407	82	58	37.046	1.485,969	8.460,077	5,693	5,228
33	9	97.606	26.753,182	553.419,986	20,686	20,221	83	59	33.407	1.288,467	6.974,108	5,413	4,948
34	10	97.514	25.699,987	526.666,804	20,493	20,028	84	60	29.851	1.107,015	5.685,640	5,136	4,671
35	11	97.413	24.685,849	500.966,816	20,294	19,829	85	61	26.413	941,855	4.578,625	4,861	4,396
36	12	97.301	23.709,329	476.280,968	20,088	19,624	86	62	23.212	795,886	3.636,770	4,569	4,105
37	13	97.183	22.769,763	452.571,639	19,876	19,411	87	63	20.011	659,725	2.840,884	4,306	3,841
38	14	97.057	21.865,433	429.801,875	19,657	19,192	88	64	16.890	535,422	2.181,159	4,074	3,609
39	15	96.912	20.993,038	407.936,442	19,432	18,967	89	65	13.992	426,482	1.645,737	3,859	3,394
40	16	96.745	20.150,901	386.943,404	19,202	18,737	90	66	11.382	333,601	1.219,255	3,655	3,190
41	17	96.558	19.338,401	366.792,504	18,967	18,502	91	67	9.091	256,195	885,655	3,457	2,992
42	18	96.353	18.555,209	347.454,103	18,725	18,261	92	68	7.084	191,973	629,459	3,279	2,814
43	19	96.113	17.797,077	328.898,894	18,481	18,016	93	69	5.393	140,524	437,486	3,113	2,648
44	20	95.849	17.065,479	311.101,817	18,230	17,765	94	70	4.006	100,358	296,963	2,959	2,494
45	21	95.561	16.359,923	294.036,338	17,973	17,508	95	71	2.899	69,834	196,605	2,815	2,351
46	22	95.244	15.678,453	277.676,416	17,711	17,246	96	72	2.040	47,263	126,771	2,682	2,217
47	23	94.895	15.020,198	261.997,962	17,443	16,978	97	73	1.395	31,079	79,508	2,558	2,093
48	24	94.515	14.384,614	246.977,764	17,170	16,705	98	74	926	19,823	48,429	2,443	1,978
49	25	94.103	13.771,151	232.593,150	16,890	16,425	99	75	595	12,247	28,606	2,336	1,871
							100	76	369	7,316	16,358	2,236	1,771

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 25 Jahre

Zinsfuß 4,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	25	93.681	13.182,059	219.056,768	16,618	16,153
1							51	26	93.194	12.609,144	205.874,709	16,327	15,863
2							52	27	92.685	12.057,987	193.265,565	16,028	15,563
3							53	28	92.114	11.522,861	181.207,578	15,726	15,261
4							54	29	91.508	11.006,764	169.684,716	15,416	14,952
5							55	30	90.860	10.508,488	158.677,952	15,100	14,635
6							56	31	90.151	10.025,397	148.169,465	14,779	14,315
7							57	32	89.413	9.560,896	138.144,068	14,449	13,984
8							58	33	88.607	9.110,382	128.583,172	14,114	13,649
9							59	34	87.728	8.673,032	119.472,790	13,775	13,310
10							60	35	86.765	8.247,928	110.799,758	13,434	12,969
11							61	36	85.744	7.837,399	102.551,830	13,085	12,620
12							62	37	84.667	7.441,235	94.714,431	12,728	12,264
13							63	38	83.475	7.054,328	87.273,196	12,372	11,907
14							64	39	82.211	6.680,311	80.218,868	12,008	11,543
15							65	40	80.849	6.316,944	73.538,557	11,641	11,177
16							66	41	79.364	5.962,419	67.221,613	11,274	10,809
17							67	42	77.768	5.617,836	61.259,194	10,904	10,440
18							68	43	76.017	5.280,114	55.641,358	10,538	10,073
19							69	44	74.124	4.950,578	50.361,244	10,173	9,708
20							70	45	72.114	4.631,132	45.410,666	9,806	9,341
21							71	46	69.947	4.319,159	40.779,534	9,442	8,977
22							72	47	67.622	4.015,032	36.460,375	9,081	8,616
23							73	48	65.115	3.717,451	32.445,343	8,728	8,263
24							74	49	62.457	3.428,555	28.727,891	8,379	7,914
25	0	98.686	37.018,874	811.323,265	21,916	21,452	75	50	59.661	3.149,126	25.299,337	8,034	7,569
26	1	98.240	35.433,981	774.304,391	21,852	21,387	76	51	56.759	2.880,708	22.150,210	7,689	7,224
27	2	98.134	34.034,576	738.870,410	21,709	21,245	77	52	53.778	2.624,423	19.269,502	7,342	6,878
28	3	98.045	32.695,684	704.835,835	21,557	21,093	78	53	50.680	2.378,146	16.645,079	6,999	6,534
29	4	97.956	31.409,657	672.140,150	21,399	20,934	79	54	47.454	2.141,089	14.266,933	6,663	6,199
30	5	97.874	30.176,454	640.730,493	21,233	20,768	80	55	44.139	1.914,957	12.125,844	6,332	5,867
31	6	97.790	28.990,833	610.554,039	21,060	20,595	81	56	40.704	1.698,007	10.210,886	6,013	5,549
32	7	97.704	27.851,221	581.563,206	20,881	20,416	82	57	37.212	1.492,631	8.512,879	5,703	5,238
33	8	97.615	26.755,750	553.711,985	20,695	20,230	83	58	33.569	1.294,702	7.020,249	5,422	4,957
34	9	97.520	25.701,648	526.956,235	20,503	20,038	84	59	30.003	1.112,672	5.725,546	5,146	4,681
35	10	97.421	24.687,925	501.254,587	20,304	19,839	85	60	26.559	947,068	4.612,874	4,871	4,406
36	11	97.311	23.711,553	476.566,662	20,099	19,634	86	61	23.344	800,390	3.665,807	4,580	4,115
37	12	97.192	22.771,697	452.855,109	19,887	19,422	87	62	20.137	663,903	2.865,416	4,316	3,851
38	13	97.066	21.867,552	430.083,412	19,668	19,203	88	63	17.006	539,088	2.201,513	4,084	3,619
39	14	96.923	20.995,484	408.215,860	19,443	18,978	89	64	14.095	429,624	1.662,425	3,869	3,405
40	15	96.762	20.154,502	387.220,376	19,213	18,748	90	65	11.476	336,348	1.232,801	3,665	3,200
41	16	96.578	19.342,497	367.065,874	18,977	18,512	91	66	9.174	258,537	896,453	3,467	3,003
42	17	96.374	18.559,292	347.723,377	18,736	18,271	92	67	7.157	193,944	637,917	3,289	2,824
43	18	96.141	17.802,197	329.164,085	18,490	18,025	93	68	5.456	142,149	443,972	3,123	2,658
44	19	95.875	17.070,211	311.361,889	18,240	17,775	94	69	4.058	101,655	301,823	2,969	2,504
45	20	95.591	16.365,092	294.291,677	17,983	17,518	95	70	2.941	70,841	200,168	2,826	2,361
46	21	95.267	15.682,290	277.926,586	17,722	17,257	96	71	2.074	48,042	129,327	2,692	2,227
47	22	94.921	15.024,266	262.244,295	17,455	16,990	97	72	1.421	31,650	81,286	2,568	2,103
48	23	94.539	14.388,368	247.220,029	17,182	16,717	98	73	945	20,235	49,635	2,453	1,988
49	24	94.129	13.774,893	232.831,661	16,903	16,438	99	74	609	12,533	29,400	2,346	1,881
							100	75	379	7,510	16,868	2,246	1,781

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 0 Jahre

Zinsfuß 4,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	0	100.000	100.000,000	2.281.023,634	22,810	22,345	50	50	91.638	11.435,944	171.876,150	15,029	14,564
1	1	99.166	95.123,078	2.181.023,634	22,928	22,463	51	51	90.953	10.887,793	160.440,206	14,736	14,271
2	2	99.090	91.175,631	2.085.900,557	22,878	22,413	52	52	90.231	10.360,963	149.552,414	14,434	13,969
3	3	99.051	87.423,742	1.994.724,926	22,817	22,352	53	53	89.431	9.850,415	139.191,451	14,131	13,665
4	4	99.016	83.830,015	1.907.301,184	22,752	22,287	54	54	88.588	9.359,800	129.341,036	13,819	13,354
5	5	98.990	80.391,317	1.823.471,169	22,682	22,217	55	55	87.680	8.886,247	119.981,236	13,502	13,037
6	6	98.963	77.093,334	1.743.079,852	22,610	22,145	56	56	86.694	8.428,135	111.094,989	13,181	12,716
7	7	98.942	73.935,008	1.665.986,519	22,533	22,068	57	57	85.670	7.989,026	102.666,855	12,851	12,386
8	8	98.922	70.905,938	1.592.051,511	22,453	21,988	58	58	84.550	7.563,119	94.677,829	12,518	12,053
9	9	98.900	68.000,673	1.521.145,573	22,370	21,904	59	59	83.341	7.151,048	87.114,710	12,182	11,717
10	10	98.885	65.218,144	1.453.144,901	22,281	21,816	60	60	82.046	6.752,911	79.963,662	11,841	11,376
11	11	98.867	62.548,232	1.387.926,757	22,190	21,724	61	61	80.675	6.369,433	73.210,751	11,494	11,029
12	12	98.844	59.984,011	1.325.378,524	22,096	21,630	62	62	79.258	6.002,413	66.841,319	11,136	10,671
13	13	98.822	57.526,219	1.265.394,514	21,997	21,532	63	63	77.698	5.644,410	60.838,906	10,779	10,313
14	14	98.800	55.168,525	1.207.868,294	21,894	21,429	64	64	76.054	5.299,766	55.194,495	10,415	9,949
15	15	98.770	52.903,520	1.152.699,769	21,789	21,323	65	65	74.307	4.966,889	49.894,729	10,045	9,580
16	16	98.729	50.725,747	1.099.796,249	21,681	21,216	66	66	72.409	4.642,731	44.927,841	9,677	9,212
17	17	98.670	48.628,853	1.049.070,503	21,573	21,108	67	67	70.380	4.328,683	40.285,109	9,307	8,841
18	18	98.599	46.612,481	1.000.441,649	21,463	20,998	68	68	68.173	4.021,970	35.956,427	8,940	8,475
19	19	98.496	44.665,449	953.829,168	21,355	20,890	69	69	65.800	3.723,719	31.934,457	8,576	8,111
20	20	98.389	42.798,180	909.163,720	21,243	20,778	70	70	63.288	3.435,532	28.210,739	8,211	7,746
21	21	98.283	41.009,242	866.365,539	21,126	20,661	71	71	60.609	3.155,989	24.775,207	7,850	7,385
22	22	98.182	39.296,941	825.356,297	21,003	20,538	72	72	57.749	2.884,460	21.619,218	7,495	7,030
23	23	98.081	37.656,289	786.059,356	20,875	20,409	73	73	54.711	2.621,333	18.734,758	7,147	6,682
24	24	97.983	36.084,950	748.403,067	20,740	20,275	74	74	51.518	2.367,707	16.113,425	6,805	6,340
25	25	97.886	34.579,349	712.318,117	20,600	20,134	75	75	48.208	2.125,255	13.745,719	6,468	6,003
26	26	97.790	33.137,221	677.738,768	20,452	19,987	76	76	44.787	1.893,946	11.620,464	6,136	5,670
27	27	97.693	31.754,678	644.601,547	20,299	19,834	77	77	41.321	1.676,137	9.726,518	5,803	5,338
28	28	97.594	30.429,469	612.846,869	20,140	19,675	78	78	37.788	1.470,357	8.050,381	5,475	5,010
29	29	97.494	29.158,826	582.417,401	19,974	19,509	79	79	34.179	1.275,699	6.580,024	5,158	4,693
30	30	97.396	27.942,243	553.258,574	19,800	19,335	80	80	30.561	1.094,154	5.304,325	4,848	4,383
31	31	97.293	26.774,760	525.316,331	19,620	19,155	81	81	26.911	924,219	4.210,171	4,555	4,090
32	32	97.182	25.653,775	498.541,571	19,433	18,968	82	82	23.325	768,390	3.285,952	4,276	3,811
33	33	97.068	24.579,034	472.887,796	19,239	18,774	83	83	19.770	624,720	2.517,562	4,030	3,565
34	34	96.944	23.546,917	448.308,762	19,039	18,574	84	84	16.483	499,625	1.892,842	3,789	3,323
35	35	96.806	22.554,819	424.761,845	18,832	18,367	85	85	13.487	392,145	1.393,217	3,553	3,088
36	36	96.655	21.601,612	402.207,026	18,619	18,154	86	86	10.885	303,582	1.001,072	3,298	2,832
37	37	96.491	20.685,876	380.605,413	18,399	17,934	87	87	8.491	227,162	697,491	3,070	2,605
38	38	96.316	19.806,442	359.919,537	18,172	17,707	88	88	6.365	163,350	470,329	2,879	2,414
39	39	96.116	18.959,533	340.113,095	17,939	17,474	89	89	4.613	113,560	306,979	2,703	2,238
40	40	95.891	18.144,040	321.153,562	17,700	17,235	90	90	3.223	76,102	193,419	2,542	2,076
41	41	95.642	17.359,266	303.009,522	17,455	16,990	91	91	2.173	49,219	117,317	2,384	1,918
42	42	95.366	16.603,513	285.650,256	17,204	16,739	92	92	1.390	30,205	68,098	2,255	1,789
43	43	95.049	15.873,632	269.046,742	16,949	16,484	93	93	851	17,729	37,893	2,137	1,672
44	44	94.691	15.169,096	253.173,111	16,690	16,225	94	94	497	9,929	20,164	2,031	1,566
45	45	94.305	14.491,454	238.004,015	16,424	15,959	95	95	276	5,292	10,235	1,934	1,469
46	46	93.866	13.835,923	223.512,561	16,155	15,689	96	96	146	2,677	4,944	1,846	1,381
47	47	93.379	13.203,066	209.676,637	15,881	15,416	97	97	73	1,283	2,266	1,767	1,302
48	48	92.848	12.592,807	196.473,571	15,602	15,137	98	98	34	0,580	0,984	1,694	1,229
49	49	92.273	12.004,614	183.880,764	15,318	14,852	99	99	15	0,248	0,403	1,629	1,164
							100	100	6	0,099	0,156	1,569	1,104

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -1 Jahr

Zinsfuß 4,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	1	99.620	99.620,306	2.278.334,337	22,870	22,405	50	51	91.406	11.407,049	170.199,882	14,921	14,455
1	2	99.130	95.089,010	2.178.714,030	22,912	22,447	51	52	90.701	10.857,554	158.792,833	14,625	14,160
2	3	99.071	91.157,604	2.083.625,020	22,857	22,392	52	53	89.958	10.329,639	147.935,278	14,321	13,856
3	4	99.034	87.408,736	1.992.467,416	22,795	22,330	53	54	89.148	9.819,312	137.605,639	14,014	13,549
4	5	99.003	83.819,188	1.905.058,680	22,728	22,263	54	55	88.280	9.327,244	127.786,327	13,700	13,235
5	6	98.977	80.380,808	1.821.239,492	22,658	22,192	55	56	87.348	8.852,596	118.459,083	13,381	12,916
6	7	98.954	77.086,230	1.740.858,684	22,583	22,118	56	57	86.346	8.394,298	109.606,487	13,057	12,592
7	8	98.934	73.928,569	1.663.772,454	22,505	22,040	57	58	85.288	7.953,370	101.212,189	12,726	12,260
8	9	98.912	70.899,131	1.589.843,886	22,424	21,959	58	59	84.143	7.526,697	93.258,819	12,390	11,925
9	10	98.894	67.996,279	1.518.944,755	22,339	21,873	59	60	82.917	7.114,694	85.732,122	12,050	11,585
10	11	98.876	65.212,660	1.450.948,476	22,249	21,784	60	61	81.594	6.715,742	78.617,428	11,706	11,241
11	12	98.858	62.542,367	1.385.735,816	22,157	21,692	61	62	80.221	6.333,589	71.901,686	11,352	10,887
12	13	98.835	59.978,916	1.323.193,449	22,061	21,596	62	63	78.759	5.964,640	65.568,097	10,993	10,528
13	14	98.813	57.520,645	1.263.214,533	21,961	21,496	63	64	77.170	5.606,018	59.603,457	10,632	10,167
14	15	98.788	55.162,097	1.205.693,888	21,857	21,392	64	65	75.498	5.261,010	53.997,439	10,264	9,798
15	16	98.752	52.894,068	1.150.531,791	21,752	21,286	65	66	73.700	4.926,322	48.736,429	9,893	9,428
16	17	98.708	50.715,004	1.097.637,723	21,643	21,178	66	67	71.753	4.600,684	43.810,106	9,523	9,057
17	18	98.649	48.618,154	1.046.922,719	21,534	21,068	67	68	69.665	4.284,682	39.209,423	9,151	8,686
18	19	98.570	46.599,076	998.304,565	21,423	20,958	68	69	67.393	3.975,968	34.924,741	8,784	8,319
19	20	98.468	44.653,067	951.705,489	21,313	20,848	69	70	64.960	3.676,211	30.948,773	8,419	7,953
20	21	98.358	42.784,662	907.052,422	21,200	20,735	70	71	62.388	3.386,701	27.272,562	8,053	7,588
21	22	98.259	40.999,208	864.267,760	21,080	20,615	71	72	59.626	3.104,823	23.885,862	7,693	7,228
22	23	98.155	39.286,302	823.268,552	20,956	20,490	72	73	56.707	2.832,456	20.781,039	7,337	6,872
23	24	98.056	37.646,464	783.982,250	20,825	20,360	73	74	53.596	2.567,930	17.948,583	6,990	6,524
24	25	97.957	36.075,147	746.335,785	20,688	20,223	74	75	50.345	2.313,814	15.380,653	6,647	6,182
25	26	97.861	34.570,840	710.260,639	20,545	20,080	75	76	46.958	2.070,153	13.066,839	6,312	5,847
26	27	97.762	33.127,944	675.689,799	20,396	19,931	76	77	43.490	1.839,119	10.996,687	5,979	5,514
27	28	97.664	31.745,424	642.561,855	20,241	19,776	77	78	39.976	1.621,608	9.157,568	5,647	5,182
28	29	97.565	30.420,437	610.816,431	20,079	19,614	78	79	36.388	1.415,863	7.535,960	5,323	4,857
29	30	97.465	29.150,291	580.395,995	19,910	19,445	79	80	32.741	1.222,035	6.120,097	5,008	4,543
30	31	97.365	27.933,094	551.245,704	19,735	19,269	80	81	29.072	1.040,853	4.898,062	4,706	4,241
31	32	97.259	26.765,196	523.312,609	19,552	19,087	81	82	25.411	872,699	3.857,209	4,420	3,955
32	33	97.147	25.644,653	496.547,413	19,363	18,897	82	83	21.818	718,734	2.984,510	4,152	3,687
33	34	97.029	24.569,213	470.902,760	19,166	18,701	83	84	18.353	579,954	2.265,776	3,907	3,442
34	35	96.898	23.535,878	446.333,547	18,964	18,499	84	85	15.158	459,475	1.685,822	3,669	3,204
35	36	96.756	22.543,272	422.797,669	18,755	18,290	85	86	12.316	358,097	1.226,348	3,425	2,959
36	37	96.600	21.589,397	400.254,397	18,539	18,074	86	87	9.787	272,976	868,251	3,181	2,715
37	38	96.432	20.673,192	378.665,000	18,317	17,851	87	88	7.490	200,385	595,275	2,971	2,505
38	39	96.248	19.792,587	357.991,808	18,087	17,622	88	89	5.528	141,865	394,890	2,784	2,318
39	40	96.039	18.944,361	338.199,222	17,852	17,387	89	90	3.929	96,727	253,025	2,616	2,151
40	41	95.807	18.128,255	319.254,861	17,611	17,146	90	91	2.696	63,662	156,298	2,455	1,990
41	42	95.548	17.342,107	301.126,606	17,364	16,899	91	92	1.766	39,995	92,635	2,316	1,851
42	43	95.259	16.584,840	283.784,499	17,111	16,646	92	93	1.105	24,001	52,640	2,193	1,728
43	44	94.926	15.853,027	267.199,659	16,855	16,390	93	94	660	13,758	28,639	2,082	1,616
44	45	94.559	15.147,981	251.346,632	16,593	16,128	94	95	376	7,515	14,881	1,980	1,515
45	46	94.155	14.468,471	236.198,651	16,325	15,860	95	96	203	3,901	7,366	1,888	1,423
46	47	93.697	13.811,074	221.730,181	16,055	15,589	96	97	104	1,920	3,465	1,805	1,340
47	48	93.198	13.177,390	207.919,106	15,778	15,313	97	98	51	0,894	1,545	1,729	1,264
48	49	92.651	12.566,111	194.741,716	15,497	15,032	98	99	23	0,392	0,651	1,660	1,195
49	50	92.051	11.975,722	182.175,605	15,212	14,747	99	100	10	0,162	0,259	1,597	1,132
							100	101	4	0,063	0,097	1,541	1,075

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -2 Jahre

Zinsfuß 4,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	2	99.585	99.584,628	2.275.838,961	22,853	22,388	50	52	91.153	11.375,369	168.396,083	14,804	14,338
1	3	99.111	95.070,210	2.176.254,333	22,891	22,426	51	53	90.427	10.824,730	157.020,714	14,506	14,041
2	4	99.054	91.141,957	2.081.184,123	22,835	22,369	52	54	89.674	10.297,023	146.195,984	14,198	13,733
3	5	99.021	87.397,447	1.990.042,166	22,770	22,305	53	55	88.838	9.785,158	135.898,961	13,888	13,423
4	6	98.990	83.808,231	1.902.644,719	22,702	22,237	54	56	87.945	9.291,923	126.113,803	13,572	13,107
5	7	98.968	80.373,401	1.818.836,488	22,630	22,165	55	57	86.998	8.817,055	116.821,879	13,250	12,784
6	8	98.945	77.079,516	1.738.463,087	22,554	22,089	56	58	85.961	8.356,833	108.004,824	12,924	12,459
7	9	98.924	73.921,472	1.661.383,571	22,475	22,010	57	59	84.877	7.915,070	99.647,991	12,590	12,124
8	10	98.906	70.894,550	1.587.462,099	22,392	21,927	58	60	83.715	7.488,433	91.732,921	12,250	11,785
9	11	98.886	67.990,561	1.516.567,549	22,306	21,840	59	61	82.461	7.075,533	84.244,488	11,906	11,441
10	12	98.867	65.206,544	1.448.576,988	22,215	21,750	60	62	81.135	6.677,950	77.168,955	11,556	11,091
11	13	98.849	62.537,055	1.383.370,444	22,121	21,656	61	63	79.716	6.293,733	70.491,006	11,200	10,735
12	14	98.826	59.973,105	1.320.833,389	22,024	21,559	62	64	78.223	5.924,070	64.197,273	10,837	10,371
13	15	98.801	57.513,943	1.260.860,284	21,923	21,457	63	65	76.605	5.565,022	58.273,203	10,471	10,006
14	16	98.771	55.152,241	1.203.346,341	21,819	21,353	64	66	74.882	5.218,041	52.708,181	10,101	9,636
15	17	98.732	52.882,866	1.148.194,100	21,712	21,247	65	67	73.032	4.881,707	47.490,140	9,728	9,263
16	18	98.687	50.703,846	1.095.311,234	21,602	21,137	66	68	71.024	4.553,918	42.608,433	9,356	8,891
17	19	98.620	48.604,172	1.044.607,388	21,492	21,027	67	69	68.868	4.235,675	38.054,515	8,984	8,519
18	20	98.543	46.586,158	996.003,216	21,380	20,915	68	70	66.533	3.925,242	33.818,840	8,616	8,151
19	21	98.437	44.638,963	949.417,058	21,269	20,804	69	71	64.037	3.623,959	29.893,598	8,249	7,784
20	22	98.334	42.774,194	904.778,095	21,152	20,687	70	72	61.377	3.331,794	26.269,639	7,885	7,419
21	23	98.233	40.988,108	862.003,901	21,031	20,565	71	73	58.551	3.048,846	22.937,844	7,523	7,058
22	24	98.130	39.276,052	821.015,793	20,904	20,439	72	74	55.552	2.774,752	19.888,999	7,168	6,703
23	25	98.029	37.636,237	781.739,741	20,771	20,306	73	75	52.376	2.509,479	17.114,247	6,820	6,355
24	26	97.932	36.066,270	744.103,504	20,632	20,166	74	76	49.040	2.253,822	14.604,767	6,480	6,015
25	27	97.834	34.561,162	708.037,234	20,486	20,021	75	77	45.598	2.010,225	12.350,945	6,144	5,679
26	28	97.734	33.118,289	673.476,073	20,335	19,870	76	78	42.075	1.779,288	10.340,720	5,812	5,347
27	29	97.635	31.736,001	640.357,783	20,178	19,712	77	79	38.495	1.561,508	8.561,432	5,483	5,018
28	30	97.537	30.411,532	608.621,783	20,013	19,548	78	80	34.857	1.356,303	6.999,924	5,161	4,696
29	31	97.433	29.140,747	578.210,250	19,842	19,377	79	81	31.146	1.162,504	5.643,621	4,855	4,389
30	32	97.330	27.923,116	549.069,503	19,664	19,198	80	82	27.451	982,832	4.481,117	4,559	4,094
31	33	97.224	26.755,679	521.146,387	19,478	19,013	81	83	23.769	816,302	3.498,285	4,286	3,820
32	34	97.109	25.634,406	494.390,708	19,286	18,821	82	84	20.254	667,231	2.681,984	4,020	3,554
33	35	96.983	24.557,695	468.756,302	19,088	18,623	83	85	16.878	533,348	2.014,753	3,778	3,312
34	36	96.849	23.523,828	444.198,607	18,883	18,418	84	86	13.842	419,581	1.481,405	3,531	3,065
35	37	96.702	22.530,525	420.674,779	18,671	18,206	85	87	11.074	321,995	1.061,824	3,298	2,832
36	38	96.541	21.576,158	398.144,254	18,453	17,988	86	88	8.634	240,798	739,829	3,072	2,607
37	39	96.365	20.658,730	376.568,096	18,228	17,763	87	89	6.505	174,029	499,030	2,868	2,402
38	40	96.171	19.776,747	355.909,366	17,996	17,531	88	90	4.709	120,837	325,002	2,690	2,224
39	41	95.955	18.927,879	336.132,618	17,759	17,293	89	91	3.287	80,916	204,165	2,523	2,058
40	42	95.713	18.110,336	317.204,739	17,515	17,050	90	92	2.191	51,732	123,248	2,382	1,917
41	43	95.440	17.322,603	299.094,403	17,266	16,801	91	93	1.403	31,781	71,516	2,250	1,785
42	44	95.135	16.563,312	281.771,800	17,012	16,547	92	94	857	18,625	39,736	2,133	1,668
43	45	94.793	15.830,960	265.208,488	16,753	16,287	93	95	500	10,413	21,111	2,027	1,562
44	46	94.409	15.123,956	249.377,528	16,489	16,024	94	96	277	5,540	10,698	1,931	1,466
45	47	93.986	14.442,485	234.253,573	16,220	15,755	95	97	146	2,798	5,158	1,844	1,378
46	48	93.515	13.784,217	219.811,087	15,947	15,481	96	98	73	1,338	2,360	1,764	1,299
47	49	93.000	13.149,455	206.026,870	15,668	15,203	97	99	34	0,604	1,022	1,692	1,227
48	50	92.428	12.535,868	192.877,415	15,386	14,921	98	100	15	0,257	0,418	1,627	1,161
49	51	91.818	11.945,464	180.341,547	15,097	14,632	99	101	6	0,103	0,161	1,567	1,102
							100	102	2	0,039	0,058	1,513	1,048

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -3 Jahre

Zinsfuß 4,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	3	99.565	99.564,939	2.273.183,821	22,831	22,366	50	53	90.877	11.340,979	166.458,965	14,678	14,212
1	4	99.094	95.053,891	2.173.618,882	22,867	22,402	51	54	90.141	10.790,550	155.117,985	14,375	13,910
2	5	99.041	91.130,186	2.078.564,991	22,809	22,344	52	55	89.362	10.261,208	144.327,435	14,065	13,600
3	6	99.008	87.386,022	1.987.434,805	22,743	22,278	53	56	88.502	9.748,103	134.066,227	13,753	13,288
4	7	98.981	83.800,508	1.900.048,783	22,673	22,208	54	57	87.592	9.254,619	124.318,125	13,433	12,968
5	8	98.959	80.366,401	1.816.248,275	22,600	22,134	55	58	86.609	8.777,704	115.063,506	13,109	12,643
6	9	98.936	77.072,117	1.735.881,874	22,523	22,058	56	59	85.547	8.316,590	106.285,802	12,780	12,315
7	10	98.918	73.916,696	1.658.809,756	22,442	21,976	57	60	84.446	7.874,831	97.969,212	12,441	11,976
8	11	98.897	70.888,588	1.584.893,061	22,358	21,892	58	61	83.254	7.447,215	90.094,381	12,098	11,633
9	12	98.876	67.984,185	1.514.004,473	22,270	21,805	59	62	81.997	7.035,716	82.647,166	11,747	11,282
10	13	98.859	65.201,007	1.446.020,288	22,178	21,713	60	63	80.624	6.635,926	75.611,450	11,394	10,929
11	14	98.840	62.530,996	1.380.819,281	22,082	21,617	61	64	79.174	6.250,924	68.975,524	11,034	10,569
12	15	98.814	59.966,117	1.318.288,286	21,984	21,519	62	65	77.651	5.880,748	62.724,600	10,666	10,201
13	16	98.783	57.503,667	1.258.322,169	21,882	21,417	63	66	75.980	5.519,571	56.843,851	10,299	9,833
14	17	98.750	55.140,561	1.200.818,502	21,777	21,312	64	67	74.204	5.170,783	51.324,281	9,926	9,461
15	18	98.710	52.871,231	1.145.677,941	21,669	21,204	65	68	72.290	4.832,084	46.153,497	9,551	9,086
16	19	98.658	50.689,264	1.092.806,710	21,559	21,094	66	69	70.212	4.501,832	41.321,413	9,179	8,714
17	20	98.593	48.590,698	1.042.117,447	21,447	20,982	67	70	67.990	4.181,636	36.819,581	8,805	8,340
18	21	98.512	46.571,444	993.526,748	21,333	20,868	68	71	65.588	3.869,450	32.637,945	8,435	7,970
19	22	98.413	44.628,041	946.955,305	21,219	20,754	69	72	62.999	3.565,206	28.768,495	8,069	7,604
20	23	98.307	42.762,613	902.327,263	21,101	20,636	70	73	60.270	3.271,725	25.203,289	7,703	7,238
21	24	98.207	40.977,414	859.564,650	20,977	20,511	71	74	57.358	2.986,733	21.931,563	7,343	6,878
22	25	98.103	39.265,381	818.587,236	20,848	20,382	72	75	54.288	2.711,594	18.944,830	6,987	6,521
23	26	98.005	37.626,976	779.321,854	20,712	20,247	73	76	51.018	2.444,415	16.233,236	6,641	6,176
24	27	97.905	36.056,173	741.694,879	20,571	20,105	74	77	47.620	2.188,578	13.788,821	6,300	5,835
25	28	97.806	34.551,089	705.638,706	20,423	19,958	75	78	44.115	1.944,828	11.600,243	5,965	5,499
26	29	97.705	33.108,459	671.087,617	20,269	19,804	76	79	40.516	1.713,344	9.655,416	5,635	5,170
27	30	97.607	31.726,712	637.979,158	20,109	19,643	77	80	36.875	1.495,821	7.942,072	5,310	4,844
28	31	97.505	30.401,575	606.252,446	19,941	19,476	78	81	33.159	1.290,231	6.446,251	4,996	4,531
29	32	97.398	29.130,338	575.850,871	19,768	19,303	79	82	29.410	1.097,702	5.156,020	4,697	4,232
30	33	97.295	27.913,188	546.720,534	19,586	19,121	80	83	25.677	919,317	4.058,318	4,414	3,949
31	34	97.185	26.744,988	518.807,346	19,398	18,933	81	84	22.066	757,807	3.139,001	4,142	3,677
32	35	97.063	25.622,388	492.062,358	19,204	18,739	82	85	18.626	613,611	2.381,193	3,881	3,415
33	36	96.934	24.545,122	466.439,970	19,003	18,538	83	86	15.413	487,040	1.767,582	3,629	3,164
34	37	96.794	23.510,527	441.894,848	18,796	18,330	84	87	12.447	377,281	1.280,542	3,394	2,929
35	38	96.642	22.516,709	418.384,321	18,581	18,116	85	88	9.769	284,039	903,261	3,180	2,715
36	39	96.474	21.561,065	395.867,612	18,360	17,895	86	89	7.498	209,127	619,222	2,961	2,496
37	40	96.288	20.642,198	374.306,547	18,133	17,668	87	90	5.541	148,233	410,095	2,767	2,301
38	41	96.088	19.759,542	353.664,349	17,898	17,433	88	91	3.939	101,085	261,862	2,591	2,125
39	42	95.860	18.909,169	333.904,807	17,658	17,193	89	92	2.671	65,753	160,777	2,445	1,980
40	43	95.605	18.089,968	314.995,637	17,413	16,948	90	93	1.741	41,107	95,024	2,312	1,846
41	44	95.316	17.300,118	296.905,670	17,162	16,697	91	94	1.089	24,662	53,918	2,186	1,721
42	45	95.003	16.540,256	279.605,552	16,905	16,439	92	95	649	14,096	29,256	2,075	1,610
43	46	94.643	15.805,852	263.065,296	16,644	16,178	93	96	368	7,677	15,159	1,975	1,509
44	47	94.239	15.096,793	247.259,445	16,378	15,913	94	97	199	3,973	7,482	1,883	1,418
45	48	93.804	14.414,400	232.162,651	16,106	15,641	95	98	102	1,949	3,509	1,800	1,335
46	49	93.317	13.754,995	217.748,251	15,830	15,365	96	99	49	0,904	1,560	1,725	1,260
47	50	92.776	13.117,808	203.993,256	15,551	15,086	97	100	22	0,396	0,656	1,656	1,191
48	51	92.195	12.504,195	190.875,448	15,265	14,800	98	101	10	0,163	0,260	1,594	1,129
49	52	91.563	11.912,289	178.371,253	14,974	14,508	99	102	4	0,063	0,097	1,538	1,073
							100	103	1	0,023	0,034	1,486	1,021

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -4 Jahre

Zinsfuß 4,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	4	99.548	99.547,849	2.270.342,434	22,807	22,341	50	54	90.590	11.305,170	164.382,750	14,540	14,075
1	5	99.081	95.041,614	2.170.794,585	22,840	22,375	51	55	89.828	10.753,018	153.077,580	14,236	13,771
2	6	99.028	91.118,273	2.075.752,970	22,781	22,316	52	56	89.024	10.222,350	142.324,562	13,923	13,458
3	7	98.999	87.377,970	1.984.634,697	22,713	22,248	53	57	88.146	9.708,967	132.102,212	13,606	13,141
4	8	98.972	83.793,210	1.897.256,727	22,642	22,177	54	58	87.201	9.213,315	122.393,245	13,284	12,819
5	9	98.949	80.358,687	1.813.463,517	22,567	22,102	55	59	86.192	8.735,433	113.179,930	12,956	12,491
6	10	98.929	77.067,137	1.733.104,830	22,488	22,023	56	60	85.112	8.274,310	104.444,497	12,623	12,158
7	11	98.910	73.910,480	1.656.037,693	22,406	21,941	57	61	83.981	7.831,486	96.170,186	12,280	11,815
8	12	98.888	70.881,941	1.582.127,213	22,321	21,855	58	62	82.786	7.405,307	88.338,700	11,929	11,464
9	13	98.868	67.978,411	1.511.245,273	22,231	21,766	59	63	81.481	6.991,441	80.933,393	11,576	11,111
10	14	98.849	65.194,689	1.443.266,862	22,138	21,673	60	64	80.076	6.590,790	73.941,952	11,219	10,754
11	15	98.828	62.523,709	1.378.072,173	22,041	21,576	61	65	78.595	6.205,212	67.351,163	10,854	10,389
12	16	98.796	59.955,402	1.315.548,464	21,942	21,477	62	66	77.017	5.832,718	61.145,950	10,483	10,018
13	17	98.763	57.491,489	1.255.593,061	21,840	21,374	63	67	75.292	5.469,582	55.313,233	10,113	9,648
14	18	98.728	55.128,429	1.198.101,572	21,733	21,268	64	68	73.449	5.118,222	49.843,650	9,738	9,273
15	19	98.681	52.856,026	1.142.973,143	21,624	21,159	65	69	71.463	4.776,817	44.725,428	9,363	8,898
16	20	98.631	50.675,212	1.090.117,118	21,512	21,047	66	70	69.316	4.444,397	39.948,611	8,989	8,523
17	21	98.562	48.575,351	1.039.441,905	21,399	20,933	67	71	67.023	4.122,200	35.504,214	8,613	8,148
18	22	98.488	46.560,049	990.866,554	21,281	20,816	68	72	64.524	3.806,718	31.382,014	8,244	7,779
19	23	98.386	44.615,959	944.306,506	21,165	20,700	69	73	61.863	3.500,929	27.575,296	7,877	7,411
20	24	98.282	42.751,456	899.690,547	21,045	20,579	70	74	59.042	3.205,072	24.074,368	7,511	7,046
21	25	98.180	40.966,281	856.939,091	20,918	20,453	71	75	56.053	2.918,750	20.869,295	7,150	6,685
22	26	98.079	39.255,720	815.972,809	20,786	20,321	72	76	52.880	2.641,289	17.950,545	6,796	6,331
23	27	97.978	37.616,442	776.717,090	20,648	20,183	73	77	49.542	2.373,653	15.309,256	6,450	5,984
24	28	97.877	36.045,665	739.100,648	20,505	20,039	74	78	46.071	2.117,378	12.935,603	6,109	5,644
25	29	97.776	34.540,834	703.054,983	20,354	19,889	75	79	42.480	1.872,748	10.818,225	5,777	5,311
26	30	97.676	33.098,768	668.514,149	20,198	19,732	76	80	38.812	1.641,270	8.945,477	5,450	4,985
27	31	97.575	31.716,324	635.415,381	20,034	19,569	77	81	35.079	1.422,953	7.304,207	5,133	4,668
28	32	97.470	30.390,715	603.699,058	19,865	19,399	78	82	31.311	1.218,309	5.881,254	4,827	4,362
29	33	97.364	29.119,980	573.308,342	19,688	19,223	79	83	27.509	1.026,764	4.662,945	4,541	4,076
30	34	97.256	27.902,034	544.188,363	19,504	19,038	80	84	23.837	853,441	3.636,181	4,261	3,795
31	35	97.140	26.732,450	516.286,329	19,313	18,848	81	85	20.293	696,909	2.782,740	3,993	3,528
32	36	97.013	25.609,270	489.553,879	19,116	18,651	82	86	17.009	560,334	2.085,832	3,722	3,257
33	37	96.879	24.531,243	463.944,609	18,912	18,447	83	87	13.859	437,939	1.525,497	3,483	3,018
34	38	96.735	23.496,110	439.413,366	18,702	18,236	84	88	10.980	332,808	1.087,558	3,268	2,803
35	39	96.575	22.500,958	415.917,256	18,484	18,019	85	89	8.484	246,681	754,750	3,060	2,594
36	40	96.396	21.543,811	393.416,298	18,261	17,796	86	90	6.387	178,129	508,069	2,852	2,387
37	41	96.204	20.624,240	371.872,487	18,031	17,566	87	91	4.635	124,003	329,940	2,661	2,196
38	42	95.993	19.740,010	351.248,248	17,794	17,329	88	92	3.201	82,142	205,937	2,507	2,042
39	43	95.753	18.887,903	331.508,238	17,551	17,086	89	93	2.122	52,248	123,796	2,369	1,904
40	44	95.481	18.066,487	312.620,335	17,304	16,839	90	94	1.351	31,899	71,548	2,243	1,778
41	45	95.184	17.276,036	294.553,849	17,050	16,585	91	95	824	18,666	39,649	2,124	1,659
42	46	94.852	16.514,023	277.277,813	16,790	16,325	92	96	478	10,392	20,983	2,019	1,554
43	47	94.473	15.777,465	260.763,790	16,528	16,062	93	97	264	5,505	10,591	1,924	1,459
44	48	94.056	15.067,436	244.986,325	16,259	15,794	94	98	138	2,768	5,085	1,837	1,372
45	49	93.605	14.383,842	229.918,890	15,985	15,519	95	99	69	1,318	2,317	1,758	1,293
46	50	93.092	13.721,891	215.535,047	15,707	15,242	96	100	32	0,592	0,999	1,687	1,222
47	51	92.542	13.084,664	201.813,157	15,424	14,958	97	101	14	0,251	0,407	1,622	1,157
48	52	91.939	12.469,467	188.728,492	15,135	14,670	98	102	6	0,100	0,156	1,563	1,098
49	53	91.287	11.876,276	176.259,025	14,841	14,376	99	103	2	0,037	0,056	1,509	1,044
							100	104	1	0,013	0,019	1,461	0,995

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -5 Jahre

Zinsfuß 4,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	5	99.535	99.534,992	2.267.301,512	22,779	22,314	50	55	90.275	11.265,847	162.160,430	14,394	13,929
1	6	99.068	95.029,190	2.167.766,520	22,812	22,346	51	56	89.487	10.712,298	150.894,582	14,086	13,621
2	7	99.019	91.109,877	2.072.737,330	22,750	22,285	52	57	88.666	10.181,310	140.182,284	13,769	13,303
3	8	98.990	87.370,360	1.981.627,453	22,681	22,216	53	58	87.753	9.665,635	130.000,974	13,450	12,985
4	9	98.963	83.785,167	1.894.257,093	22,609	22,143	54	59	86.781	9.168,947	120.335,339	13,124	12,659
5	10	98.943	80.353,494	1.810.471,926	22,531	22,066	55	60	85.754	8.691,024	111.166,392	12,791	12,326
6	11	98.921	77.060,657	1.730.118,432	22,451	21,986	56	61	84.644	8.228,766	102.475,368	12,453	11,988
7	12	98.900	73.903,548	1.653.057,776	22,368	21,903	57	62	83.508	7.787,415	94.246,602	12,102	11,637
8	13	98.880	70.875,921	1.579.154,227	22,281	21,815	58	63	82.265	7.358,706	86.459,186	11,749	11,284
9	14	98.858	67.971,824	1.508.278,306	22,190	21,725	59	64	80.926	6.943,886	79.100,480	11,391	10,926
10	15	98.838	65.187,092	1.440.306,482	22,095	21,630	60	65	79.490	6.542,592	72.156,593	11,029	10,564
11	16	98.811	62.512,538	1.375.119,390	21,997	21,532	61	66	77.953	6.154,532	65.614,001	10,661	10,196
12	17	98.775	59.942,705	1.312.606,852	21,898	21,432	62	67	76.320	5.779,893	59.459,469	10,287	9,822
13	18	98.741	57.478,840	1.252.664,146	21,793	21,328	63	68	74.526	5.413,984	53.679,576	9,915	9,450
14	19	98.700	55.112,574	1.195.185,306	21,686	21,221	64	69	72.609	5.059,682	48.265,592	9,539	9,074
15	20	98.654	52.841,374	1.140.072,732	21,575	21,110	65	70	70.552	4.715,873	43.205,910	9,162	8,697
16	21	98.600	50.659,206	1.087.231,358	21,462	20,996	66	71	68.331	4.381,226	38.490,036	8,785	8,320
17	22	98.538	48.563,466	1.036.572,152	21,345	20,879	67	72	65.937	4.055,370	34.108,810	8,411	7,946
18	23	98.461	46.547,443	988.008,686	21,226	20,761	68	73	63.361	3.738,086	30.053,440	8,040	7,575
19	24	98.361	44.604,318	941.461,243	21,107	20,642	69	74	60.603	3.429,607	26.315,354	7,673	7,208
20	25	98.255	42.739,842	896.856,925	20,984	20,519	70	75	57.698	3.132,119	22.885,747	7,307	6,842
21	26	98.156	40.956,201	854.117,083	20,854	20,389	71	76	54.600	2.843,074	19.753,628	6,948	6,483
22	27	98.052	39.244,730	813.160,882	20,720	20,255	72	77	51.349	2.564,828	16.910,554	6,593	6,128
23	28	97.949	37.605,479	773.916,153	20,580	20,115	73	78	47.930	2.296,432	14.345,725	6,247	5,782
24	29	97.847	36.034,966	736.310,674	20,433	19,968	74	79	44.363	2.038,903	12.049,293	5,910	5,444
25	30	97.748	34.530,724	700.275,708	20,280	19,815	75	80	40.693	1.793,969	10.010,390	5,580	5,115
26	31	97.644	33.087,931	665.744,984	20,120	19,655	76	81	36.921	1.561,317	8.216,421	5,262	4,797
27	32	97.540	31.704,994	632.657,054	19,954	19,489	77	82	33.124	1.343,632	6.655,105	4,953	4,488
28	33	97.435	30.379,909	600.952,059	19,781	19,316	78	83	29.287	1.139,577	5.311,472	4,661	4,196
29	34	97.325	29.108,344	570.572,150	19,602	19,136	79	84	25.538	953,188	4.171,896	4,377	3,912
30	35	97.211	27.888,953	541.463,806	19,415	18,950	80	85	21.922	784,857	3.218,708	4,101	3,636
31	36	97.090	26.718,764	513.574,853	19,222	18,756	81	86	18.531	636,400	2.433,851	3,824	3,359
32	37	96.958	25.594,789	486.856,090	19,022	18,556	82	87	15.294	503,845	1.797,451	3,567	3,102
33	38	96.820	24.516,200	461.261,300	18,815	18,349	83	88	12.225	386,316	1.293,606	3,349	2,883
34	39	96.667	23.479,674	436.745,100	18,601	18,136	84	89	9.535	289,035	907,290	3,139	2,674
35	40	96.497	22.482,951	413.265,426	18,381	17,916	85	90	7.226	210,116	618,255	2,942	2,477
36	41	96.313	21.525,068	390.782,475	18,155	17,690	86	91	5.343	149,012	408,139	2,739	2,274
37	42	96.109	20.603,853	369.257,407	17,922	17,457	87	92	3.766	100,765	259,127	2,572	2,106
38	43	95.885	19.717,809	348.653,554	17,682	17,217	88	93	2.543	65,270	158,362	2,426	1,961
39	44	95.628	18.863,386	328.935,745	17,438	16,973	89	94	1.647	40,545	93,092	2,296	1,831
40	45	95.348	18.041,338	310.072,359	17,187	16,722	90	95	1.022	24,143	52,547	2,176	1,711
41	46	95.033	17.248,636	292.031,022	16,931	16,465	91	96	608	13,761	28,404	2,064	1,599
42	47	94.682	16.484,364	274.782,386	16,669	16,204	92	97	343	7,453	14,643	1,965	1,500
43	48	94.289	15.746,783	258.298,022	16,403	15,938	93	98	184	3,836	7,190	1,875	1,409
44	49	93.857	15.035,494	242.551,239	16,132	15,667	94	99	94	1,871	3,354	1,793	1,327
45	50	93.379	14.349,224	227.515,745	15,856	15,390	95	100	45	0,863	1,483	1,718	1,253
46	51	92.857	13.687,221	213.166,521	15,574	15,109	96	101	20	0,376	0,620	1,650	1,185
47	52	92.285	13.048,325	199.479,300	15,288	14,823	97	102	9	0,154	0,244	1,589	1,124
48	53	91.661	12.431,770	186.430,975	14,996	14,531	98	103	3	0,059	0,091	1,533	1,068
49	54	90.998	11.838,776	173.999,206	14,697	14,232	99	104	1	0,021	0,031	1,482	1,017
							100	105	0	0,007	0,010	1,436	0,971

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -6 Jahre

Zinsfuß 4,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	6	99.522	99.521,980	2.264.045,890	22,749	22,284	50	56	89.933	11.223,185	159.787,298	14,237	13,772
1	7	99.059	95.020,434	2.164.523,910	22,780	22,314	51	57	89.128	10.669,291	148.564,113	13,924	13,459
2	8	99.010	91.101,942	2.069.503,476	22,716	22,251	52	58	88.271	10.135,870	137.894,822	13,605	13,139
3	9	98.981	87.361,973	1.978.401,534	22,646	22,181	53	59	87.330	9.619,089	127.758,952	13,282	12,817
4	10	98.956	83.779,753	1.891.039,561	22,572	22,106	54	60	86.340	9.122,334	118.139,863	12,951	12,485
5	11	98.935	80.346,737	1.807.259,808	22,493	22,028	55	61	85.282	8.643,187	109.017,529	12,613	12,148
6	12	98.912	77.053,430	1.726.913,071	22,412	21,947	56	62	84.167	8.182,460	100.374,342	12,267	11,802
7	13	98.892	73.897,272	1.649.859,641	22,326	21,861	57	63	82.983	7.738,410	92.191,882	11,914	11,448
8	14	98.870	70.869,053	1.575.962,369	22,238	21,772	58	64	81.705	7.308,653	84.453,472	11,555	11,090
9	15	98.847	67.963,904	1.505.093,316	22,145	21,680	59	65	80.335	6.893,107	77.144,818	11,192	10,726
10	16	98.820	65.175,445	1.437.129,412	22,050	21,585	60	66	78.841	6.489,157	70.251,711	10,826	10,361
11	17	98.790	62.499,300	1.371.953,966	21,952	21,486	61	67	77.247	6.098,793	63.762,555	10,455	9,990
12	18	98.754	59.929,517	1.309.454,667	21,850	21,385	62	68	75.544	5.721,141	57.663,762	10,079	9,614
13	19	98.712	57.462,309	1.249.525,150	21,745	21,280	63	69	73.674	5.352,061	51.942,621	9,705	9,240
14	20	98.672	55.097,297	1.192.062,840	21,636	21,170	64	70	71.683	4.995,130	46.590,560	9,327	8,862
15	21	98.623	52.824,683	1.136.965,544	21,523	21,058	65	71	69.549	4.648,844	41.595,430	8,947	8,482
16	22	98.576	50.646,812	1.084.140,860	21,406	20,941	66	72	67.223	4.310,197	36.946,586	8,572	8,107
17	23	98.511	48.550,318	1.033.494,049	21,287	20,822	67	73	64.748	3.982,255	32.636,389	8,195	7,730
18	24	98.435	46.535,299	984.943,731	21,166	20,700	68	74	62.070	3.661,932	28.654,134	7,825	7,360
19	25	98.334	44.592,200	938.408,432	21,044	20,579	69	75	59.223	3.351,543	24.992,202	7,457	6,992
20	26	98.231	42.729,325	893.816,232	20,918	20,453	70	76	56.202	3.050,911	21.640,659	7,093	6,628
21	27	98.129	40.944,735	851.086,907	20,786	20,321	71	77	53.019	2.760,772	18.589,748	6,734	6,268
22	28	98.023	39.233,292	810.142,173	20,649	20,184	72	78	49.679	2.481,388	15.828,975	6,379	5,914
23	29	97.920	37.594,317	770.908,880	20,506	20,041	73	79	46.153	2.211,321	13.347,588	6,036	5,571
24	30	97.819	36.024,418	733.314,563	20,356	19,891	74	80	42.497	1.953,134	11.136,266	5,702	5,237
25	31	97.716	34.519,418	697.290,145	20,200	19,735	75	81	38.711	1.706,577	9.183,132	5,381	4,916
26	32	97.610	33.076,112	662.770,728	20,038	19,573	76	82	34.863	1.474,283	7.476,555	5,071	4,606
27	33	97.505	31.693,721	629.694,616	19,868	19,403	77	83	30.983	1.256,801	6.002,272	4,776	4,311
28	34	97.396	30.367,770	598.000,896	19,692	19,227	78	84	27.188	1.057,917	4.745,471	4,486	4,020
29	35	97.279	29.094,697	567.633,126	19,510	19,045	79	85	23.486	876,588	3.687,554	4,207	3,741
30	36	97.161	27.874,675	538.538,428	19,320	18,855	80	86	20.018	716,712	2.810,966	3,922	3,457
31	37	97.035	26.703,655	510.663,753	19,123	18,658	81	87	16.663	572,242	2.094,254	3,660	3,195
32	38	96.899	25.579,094	483.960,098	18,920	18,455	82	88	13.492	444,453	1.522,012	3,424	2,959
33	39	96.752	24.499,051	458.381,003	18,710	18,245	83	89	10.617	335,505	1.077,559	3,212	2,747
34	40	96.590	23.460,884	433.881,953	18,494	18,029	84	90	8.122	246,193	742,054	3,014	2,549
35	41	96.413	22.463,391	410.421,069	18,271	17,805	85	91	6.045	175,770	495,861	2,821	2,356
36	42	96.217	21.503,791	387.957,678	18,041	17,576	86	92	4.341	121,087	320,091	2,643	2,178
37	43	96.001	20.580,680	366.453,887	17,806	17,341	87	93	2.993	80,069	199,004	2,485	2,020
38	44	95.760	19.692,215	345.873,206	17,564	17,099	88	94	1.974	50,650	118,936	2,348	1,883
39	45	95.495	18.837,128	326.180,992	17,316	16,851	89	95	1.247	30,687	68,285	2,225	1,760
40	46	95.197	18.012,724	307.343,864	17,063	16,597	90	96	754	17,799	37,598	2,112	1,647
41	47	94.862	17.217,658	289.331,140	16,804	16,339	91	97	436	9,869	19,800	2,006	1,541
42	48	94.498	16.452,308	272.113,482	16,540	16,074	92	98	239	5,193	9,931	1,912	1,447
43	49	94.089	15.713,401	255.661,174	16,270	15,805	93	99	124	2,593	4,738	1,827	1,362
44	50	93.631	14.999,307	239.947,773	15,997	15,532	94	100	61	1,226	2,145	1,750	1,284
45	51	93.144	14.312,969	224.948,466	15,716	15,251	95	101	29	0,547	0,919	1,679	1,214
46	52	92.599	13.649,208	210.635,497	15,432	14,967	96	102	13	0,230	0,372	1,615	1,150
47	53	92.006	13.008,877	196.986,289	15,142	14,677	97	103	5	0,091	0,142	1,557	1,092
48	54	91.371	12.392,516	183.977,412	14,846	14,381	98	104	2	0,034	0,051	1,504	1,039
49	55	90.682	11.797,598	171.584,896	14,544	14,079	99	105	1	0,012	0,017	1,456	0,991
							100	106					

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -7 Jahre

Zinsfuß 4,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	7	99.513	99.512,810	2.260.564,781	22,716	22,251	50	57	89.572	11.178,127	157.258,712	14,068	13,603
1	8	99.050	95.012,159	2.161.051,972	22,745	22,280	51	58	88.730	10.621,673	146.080,585	13,753	13,288
2	9	99.001	91.093,197	2.066.039,813	22,681	22,215	52	59	87.846	10.087,059	135.458,912	13,429	12,964
3	10	98.974	87.356,328	1.974.946,616	22,608	22,143	53	60	86.886	9.570,188	125.371,852	13,100	12,635
4	11	98.948	83.772,708	1.887.590,288	22,532	22,067	54	61	85.865	9.072,122	115.801,665	12,765	12,299
5	12	98.925	80.339,202	1.803.817,580	22,453	21,987	55	62	84.802	8.594,549	106.729,542	12,418	11,953
6	13	98.903	77.046,886	1.723.478,378	22,369	21,904	56	63	83.638	8.130,969	98.134,994	12,069	11,604
7	14	98.882	73.890,112	1.646.431,492	22,282	21,817	57	64	82.418	7.685,775	90.004,025	11,710	11,245
8	15	98.859	70.860,795	1.572.541,380	22,192	21,727	58	65	81.108	7.255,207	82.318,250	11,346	10,881
9	16	98.829	67.951,761	1.501.680,585	22,099	21,634	59	66	79.679	6.836,809	75.063,044	10,979	10,514
10	17	98.799	65.161,643	1.433.728,824	22,003	21,537	60	67	78.127	6.430,387	68.226,235	10,610	10,145
11	18	98.768	62.485,549	1.368.567,181	21,902	21,437	61	68	76.462	6.036,799	61.795,848	10,237	9,771
12	19	98.725	59.912,282	1.306.081,632	21,800	21,335	62	69	74.680	5.655,705	55.759,050	9,859	9,394
13	20	98.685	57.446,381	1.246.169,351	21,693	21,228	63	70	72.734	5.283,779	50.103,345	9,482	9,017
14	21	98.641	55.079,894	1.188.722,970	21,582	21,117	64	71	70.664	4.924,132	44.819,566	9,102	8,637
15	22	98.599	52.811,759	1.133.643,076	21,466	21,001	65	72	68.421	4.573,476	39.895,435	8,723	8,258
16	23	98.549	50.633,099	1.080.831,317	21,346	20,881	66	73	66.011	4.232,488	35.321,959	8,345	7,880
17	24	98.485	48.537,651	1.030.198,218	21,225	20,760	67	74	63.429	3.901,127	31.089,471	7,969	7,504
18	25	98.409	46.522,656	981.660,567	21,101	20,635	68	75	60.657	3.578,581	27.188,344	7,598	7,132
19	26	98.310	44.581,227	935.137,911	20,976	20,511	69	76	57.688	3.264,646	23.609,763	7,232	6,767
20	27	98.203	42.717,363	890.556,684	20,848	20,382	70	77	54.575	2.962,592	20.345,118	6,867	6,402
21	28	98.100	40.932,802	847.839,322	20,713	20,248	71	78	51.294	2.670,957	17.382,525	6,508	6,043
22	29	97.994	39.221,647	806.906,519	20,573	20,108	72	79	47.838	2.389,422	14.711,568	6,157	5,692
23	30	97.891	37.583,313	767.684,872	20,426	19,961	73	80	44.212	2.118,300	12.322,145	5,817	5,352
24	31	97.787	36.012,623	730.101,559	20,273	19,808	74	81	40.427	1.857,989	10.203,846	5,492	5,027
25	32	97.681	34.507,087	694.088,937	20,114	19,649	75	82	36.553	1.611,446	8.345,857	5,179	4,714
26	33	97.575	33.064,350	659.581,850	19,948	19,483	76	83	32.610	1.379,008	6.734,412	4,884	4,418
27	34	97.466	31.681,057	626.517,499	19,776	19,311	77	84	28.763	1.166,741	5.355,403	4,590	4,125
28	35	97.351	30.353,533	594.836,442	19,597	19,132	78	85	25.004	972,901	4.188,662	4,305	3,840
29	36	97.229	29.079,802	564.482,910	19,412	18,946	79	86	21.447	800,479	3.215,760	4,017	3,552
30	37	97.106	27.858,913	535.403,108	19,218	18,753	80	87	18.000	644,457	2.415,282	3,748	3,283
31	38	96.976	26.687,280	507.544,194	19,018	18,553	81	88	14.698	504,787	1.770,824	3,508	3,043
32	39	96.831	25.561,201	480.856,914	18,812	18,347	82	89	11.717	385,995	1.266,037	3,280	2,815
33	40	96.674	24.479,445	455.295,713	18,599	18,134	83	90	9.044	285,775	880,042	3,079	2,614
34	41	96.506	23.440,473	430.816,268	18,379	17,914	84	91	6.794	205,950	594,267	2,885	2,420
35	42	96.318	22.441,187	407.375,795	18,153	17,688	85	92	4.912	142,831	388,318	2,719	2,254
36	43	96.109	21.479,606	384.934,608	17,921	17,456	86	93	3.450	96,217	245,487	2,551	2,086
37	44	95.876	20.553,966	363.455,002	17,683	17,218	87	94	2.322	62,134	149,270	2,402	1,937
38	45	95.627	19.664,803	342.901,036	17,437	16,972	88	95	1.494	38,335	87,136	2,273	1,808
39	46	95.344	18.807,252	323.236,232	17,187	16,722	89	96	919	22,623	48,800	2,157	1,692
40	47	95.026	17.980,374	304.428,980	16,931	16,466	90	97	541	12,765	26,178	2,051	1,586
41	48	94.678	17.184,175	286.448,607	16,669	16,204	91	98	304	6,876	13,413	1,951	1,485
42	49	94.297	16.417,430	269.264,431	16,401	15,936	92	99	162	3,510	6,537	1,862	1,397
43	50	93.863	15.675,583	252.847,002	16,130	15,665	93	100	82	1,699	3,026	1,782	1,316
44	51	93.394	14.961,410	237.171,418	15,852	15,387	94	101	39	0,777	1,328	1,708	1,243
45	52	92.885	14.273,219	222.210,009	15,568	15,103	95	102	17	0,335	0,551	1,642	1,177
46	53	92.319	13.607,943	207.936,790	15,281	14,815	96	103	7	0,136	0,215	1,581	1,116
47	54	91.715	12.967,801	194.328,847	14,985	14,520	97	104	3	0,052	0,079	1,526	1,061
48	55	91.054	12.349,412	181.361,045	14,686	14,221	98	105	1	0,018	0,027	1,476	1,011
49	56	90.339	11.752,922	169.011,634	14,380	13,915	99	106					
							100	107					

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -8 Jahre

Zinsfuß 4,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	8	99.504	99.504,143	2.256.843,184	22,681	22,216	50	58	89.172	11.128,238	154.569,276	13,890	13,425
1	9	99.041	95.003,038	2.157.339,041	22,708	22,243	51	59	88.303	10.570,523	143.441,038	13,570	13,105
2	10	98.994	91.087,311	2.062.336,002	22,641	22,176	52	60	87.399	10.035,779	132.870,515	13,240	12,774
3	11	98.966	87.348,982	1.971.248,691	22,568	22,102	53	61	86.408	9.517,511	122.834,736	12,906	12,441
4	12	98.939	83.764,851	1.883.899,709	22,490	22,025	54	62	85.382	9.021,070	113.317,225	12,561	12,096
5	13	98.917	80.332,379	1.800.134,858	22,409	21,943	55	63	84.268	8.540,464	104.296,155	12,212	11,747
6	14	98.894	77.039,421	1.719.802,479	22,324	21,858	56	64	83.069	8.075,663	95.755,691	11,857	11,392
7	15	98.871	73.881,502	1.642.763,058	22,235	21,770	57	65	81.816	7.629,570	87.680,027	11,492	11,027
8	16	98.841	70.848,135	1.568.881,556	22,144	21,679	58	66	80.445	7.195,951	80.050,457	11,124	10,659
9	17	98.808	67.937,370	1.498.033,421	22,050	21,585	59	67	78.957	6.774,890	72.854,507	10,754	10,288
10	18	98.777	65.147,306	1.430.096,051	21,952	21,487	60	68	77.333	6.365,022	66.079,616	10,382	9,916
11	19	98.740	62.467,578	1.364.948,745	21,851	21,385	61	69	75.588	5.967,752	59.714,594	10,006	9,541
12	20	98.698	59.895,674	1.302.481,166	21,746	21,281	62	70	73.727	5.583,548	53.746,842	9,626	9,161
13	21	98.654	57.428,236	1.242.585,493	21,637	21,172	63	71	71.700	5.208,677	48.163,294	9,247	8,782
14	22	98.617	55.066,418	1.185.157,257	21,522	21,057	64	72	69.518	4.844,300	42.954,616	8,867	8,402
15	23	98.572	52.797,460	1.130.090,840	21,404	20,939	65	73	67.188	4.491,020	38.110,316	8,486	8,021
16	24	98.523	50.619,889	1.077.293,379	21,282	20,817	66	74	64.666	4.146,262	33.619,296	8,108	7,643
17	25	98.459	48.524,464	1.026.673,490	21,158	20,693	67	75	61.985	3.812,331	29.473,034	7,731	7,266
18	26	98.385	46.511,208	978.149,026	21,030	20,565	68	76	59.085	3.485,797	25.660,703	7,362	6,896
19	27	98.282	44.568,746	931.637,818	20,903	20,438	69	77	56.018	3.170,140	22.174,906	6,995	6,530
20	28	98.175	42.704,913	887.069,072	20,772	20,307	70	78	52.800	2.866,212	19.004,767	6,631	6,165
21	29	98.071	40.920,653	844.364,158	20,634	20,169	71	79	49.393	2.571,966	16.138,555	6,275	5,810
22	30	97.965	39.210,167	803.443,506	20,491	20,025	72	80	45.825	2.288,909	13.566,589	5,927	5,462
23	31	97.859	37.571,007	764.233,339	20,341	19,876	73	81	42.058	2.015,108	11.277,680	5,597	5,131
24	32	97.752	35.999,759	726.662,332	20,185	19,720	74	82	38.173	1.754,417	9.262,572	5,280	4,814
25	33	97.646	34.494,817	690.662,573	20,022	19,557	75	83	34.191	1.507,307	7.508,155	4,981	4,516
26	34	97.536	33.051,139	656.167,756	19,853	19,388	76	84	30.273	1.280,192	6.000,848	4,687	4,222
27	35	97.420	31.666,204	623.116,617	19,678	19,212	77	85	26.451	1.072,980	4.720,656	4,400	3,934
28	36	97.301	30.337,993	591.450,413	19,495	19,030	78	86	22.833	888,429	3.647,676	4,106	3,641
29	37	97.174	29.063,359	561.112,420	19,307	18,841	79	87	19.284	719,779	2.759,247	3,833	3,368
30	38	97.046	27.841,830	532.049,061	19,110	18,644	80	88	15.878	568,490	2.039,468	3,588	3,122
31	39	96.908	26.668,612	504.207,232	18,906	18,441	81	89	12.765	438,394	1.470,977	3,355	2,890
32	40	96.754	25.540,746	477.538,620	18,697	18,232	82	90	9.980	328,781	1.032,583	3,141	2,675
33	41	96.590	24.458,148	451.997,874	18,480	18,015	83	91	7.565	239,062	703,802	2,944	2,479
34	42	96.410	23.417,303	427.539,726	18,257	17,792	84	92	5.521	167,355	464,741	2,777	2,312
35	43	96.210	22.415,948	404.122,423	18,028	17,563	85	93	3.903	113,495	297,386	2,620	2,155
36	44	95.984	21.451,725	381.706,475	17,794	17,329	86	94	2.677	74,665	183,891	2,463	1,998
37	45	95.743	20.525,355	360.254,750	17,552	17,086	87	95	1.758	47,027	109,226	2,323	1,857
38	46	95.475	19.633,615	339.729,395	17,303	16,838	88	96	1.101	28,262	62,199	2,201	1,736
39	47	95.172	18.773,475	320.095,781	17,050	16,585	89	97	659	16,224	33,938	2,092	1,627
40	48	94.841	17.945,408	301.322,306	16,791	16,326	90	98	377	8,894	17,713	1,992	1,526
41	49	94.477	17.147,746	283.376,898	16,526	16,060	91	99	205	4,648	8,820	1,897	1,432
42	50	94.070	16.377,918	266.229,152	16,255	15,790	92	100	106	2,300	4,171	1,814	1,349
43	51	93.626	15.635,977	249.851,234	15,979	15,514	93	101	52	1,077	1,872	1,738	1,273
44	52	93.135	14.919,858	234.215,257	15,698	15,233	94	102	24	0,476	0,795	1,669	1,204
45	53	92.604	14.230,068	219.295,399	15,411	14,945	95	103	10	0,198	0,318	1,606	1,141
46	54	92.028	13.564,976	205.065,331	15,117	14,652	96	104	4	0,078	0,120	1,549	1,084
47	55	91.396	12.922,696	191.500,356	14,819	14,354	97	105	2	0,028	0,043	1,497	1,031
48	56	90.709	12.302,646	178.577,660	14,515	14,050	98	106					
49	57	89.976	11.705,737	166.275,013	14,205	13,739	99	107					
							100	108					

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -9 Jahre

Zinsfuß 4,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	9	99.495	99.494,592	2.252.869,370	22,643	22,178	50	59	88.743	11.074,649	151.716,360	13,699	13,234
1	10	99.034	94.996,899	2.153.374,778	22,668	22,203	51	60	87.854	10.516,785	140.641,711	13,373	12,908
2	11	98.986	91.079,651	2.058.377,879	22,600	22,135	52	61	86.918	9.980,539	130.124,926	13,038	12,573
3	12	98.957	87.340,791	1.967.298,227	22,524	22,059	53	62	85.922	9.463,952	120.144,387	12,695	12,230
4	13	98.930	83.757,737	1.879.957,437	22,445	21,980	54	63	84.845	8.964,302	110.680,434	12,347	11,882
5	14	98.907	80.324,596	1.796.199,699	22,362	21,897	55	64	83.695	8.482,373	101.716,133	11,991	11,526
6	15	98.882	77.030,444	1.715.875,103	22,275	21,810	56	65	82.461	8.016,608	93.233,760	11,630	11,165
7	16	98.853	73.868,302	1.638.844,660	22,186	21,721	57	66	81.147	7.567,256	85.217,152	11,261	10,796
8	17	98.820	70.833,131	1.564.976,358	22,094	21,629	58	67	79.717	7.130,780	77.649,895	10,889	10,424
9	18	98.787	67.922,423	1.494.143,227	21,998	21,533	59	68	78.154	6.706,024	70.519,116	10,516	10,051
10	19	98.749	65.128,570	1.426.220,804	21,899	21,433	60	69	76.448	6.292,222	63.813,092	10,142	9,676
11	20	98.712	62.450,262	1.361.092,234	21,795	21,330	61	70	74.623	5.891,615	57.520,870	9,763	9,298
12	21	98.667	59.876,755	1.298.641,972	21,689	21,223	62	71	72.679	5.504,186	51.629,256	9,380	8,915
13	22	98.630	57.414,185	1.238.765,217	21,576	21,111	63	72	70.538	5.124,233	46.125,069	9,001	8,536
14	23	98.590	55.051,509	1.181.351,032	21,459	20,994	64	73	68.265	4.756,962	41.000,836	8,619	8,154
15	24	98.546	52.783,685	1.126.299,524	21,338	20,873	65	74	65.819	4.399,528	36.243,874	8,238	7,773
16	25	98.496	50.606,137	1.073.515,838	21,213	20,748	66	75	63.194	4.051,886	31.844,347	7,859	7,394
17	26	98.434	48.512,524	1.022.909,702	21,085	20,620	67	76	60.378	3.713,486	27.792,461	7,484	7,019
18	27	98.357	46.498,187	974.397,178	20,956	20,490	68	77	57.374	3.384,889	24.078,975	7,114	6,648
19	28	98.254	44.555,758	927.898,991	20,826	20,360	69	78	54.195	3.067,007	20.694,086	6,747	6,282
20	29	98.145	42.692,238	883.343,233	20,691	20,226	70	79	50.843	2.759,984	17.627,079	6,387	5,921
21	30	98.042	40.908,675	840.650,996	20,549	20,084	71	80	47.315	2.463,773	14.867,095	6,034	5,569
22	31	97.933	39.197,328	799.742,321	20,403	19,938	72	81	43.593	2.177,406	12.403,322	5,696	5,231
23	32	97.824	37.557,587	760.544,993	20,250	19,785	73	82	39.714	1.902,778	10.225,916	5,374	4,909
24	33	97.717	35.986,958	722.987,406	20,090	19,625	74	83	35.707	1.641,040	8.323,138	5,072	4,607
25	34	97.607	34.481,034	687.000,448	19,924	19,459	75	84	31.741	1.399,297	6.682,098	4,775	4,310
26	35	97.490	33.035,644	652.519,414	19,752	19,287	76	85	27.840	1.177,313	5.282,801	4,487	4,022
27	36	97.370	31.649,992	619.483,770	19,573	19,108	77	86	24.155	979,819	4.105,488	4,190	3,725
28	37	97.246	30.320,838	587.833,778	19,387	18,922	78	87	20.531	798,863	3.125,669	3,913	3,447
29	38	97.115	29.045,536	557.512,940	19,194	18,729	79	88	17.011	634,933	2.326,806	3,665	3,199
30	39	96.979	27.822,354	528.467,403	18,994	18,529	80	89	13.790	493,718	1.691,873	3,427	2,962
31	40	96.830	26.647,270	500.645,049	18,788	18,323	81	90	10.873	373,413	1.198,154	3,209	2,743
32	41	96.670	25.518,526	473.997,779	18,575	18,109	82	91	8.349	275,038	824,741	2,999	2,533
33	42	96.495	24.433,972	448.479,253	18,355	17,890	83	92	6.148	194,262	549,703	2,830	2,364
34	43	96.302	23.390,966	424.045,282	18,129	17,663	84	93	4.387	132,982	355,442	2,673	2,208
35	44	96.085	22.386,851	400.654,316	17,897	17,432	85	94	3.029	88,073	222,460	2,526	2,061
36	45	95.851	21.421,864	378.267,464	17,658	17,193	86	95	2.026	56,511	134,387	2,378	1,913
37	46	95.591	20.492,801	356.845,600	17,413	16,948	87	96	1.296	34,669	77,876	2,246	1,781
38	47	95.304	19.598,353	336.352,799	17,162	16,697	88	97	790	20,268	43,207	2,132	1,667
39	48	94.987	18.736,967	316.754,446	16,905	16,440	89	98	459	11,304	22,939	2,029	1,564
40	49	94.640	17.907,365	298.017,479	16,642	16,177	90	99	255	6,012	11,634	1,935	1,470
41	50	94.250	17.106,476	280.110,114	16,375	15,909	91	100	134	3,045	5,622	1,846	1,381
42	51	93.833	16.336,537	263.003,638	16,099	15,634	92	101	67	1,458	2,577	1,768	1,302
43	52	93.366	15.592,552	246.667,101	15,820	15,354	93	102	32	0,660	1,119	1,696	1,231
44	53	92.853	14.874,752	231.074,549	15,535	15,069	94	103	14	0,282	0,459	1,631	1,166
45	54	92.312	14.185,136	216.199,797	15,241	14,776	95	104	6	0,113	0,178	1,572	1,106
46	55	91.707	13.517,794	202.014,661	14,944	14,479	96	105	2	0,043	0,065	1,518	1,052
47	56	91.050	12.873,760	188.496,867	14,642	14,177	97	106					
48	57	90.345	12.253,254	175.623,108	14,333	13,868	98	107					
49	58	89.574	11.653,493	163.369,853	14,019	13,554	99	108					
							100	109					

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -10 Jahre

Zinsfuß 4,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	10	99.488	99.488,163	2.248.633,008	22,602	22,137	50	60	88.292	11.018,348	148.696,482	13,495	13,030
1	11	99.026	94.988,911	2.149.144,845	22,625	22,160	51	61	87.371	10.458,898	137.678,134	13,164	12,699
2	12	98.977	91.071,110	2.054.155,934	22,556	22,090	52	62	86.429	9.924,375	127.219,237	12,819	12,354
3	13	98.948	87.333,373	1.963.084,824	22,478	22,013	53	63	85.381	9.404,397	117.294,861	12,472	12,007
4	14	98.921	83.749,622	1.875.751,451	22,397	21,932	54	64	84.267	8.903,328	107.890,464	12,118	11,653
5	15	98.896	80.315,236	1.792.001,829	22,312	21,847	55	65	83.083	8.420,343	98.987,136	11,756	11,290
6	16	98.865	77.016,681	1.711.686,593	22,225	21,760	56	66	81.788	7.951,133	90.566,793	11,390	10,925
7	17	98.832	73.852,658	1.634.669,912	22,134	21,669	57	67	80.412	7.498,723	82.615,660	11,017	10,552
8	18	98.798	70.817,546	1.560.817,254	22,040	21,575	58	68	78.906	7.058,296	75.116,937	10,642	10,177
9	19	98.758	67.902,889	1.489.999,708	21,943	21,478	59	69	77.260	6.629,323	68.058,642	10,266	9,801
10	20	98.722	65.110,516	1.422.096,819	21,841	21,376	60	70	75.473	6.211,944	61.429,319	9,889	9,424
11	21	98.681	62.430,537	1.356.986,303	21,736	21,271	61	71	73.563	5.807,874	55.217,374	9,507	9,042
12	22	98.643	59.862,105	1.294.555,766	21,626	21,160	62	72	71.501	5.414,951	49.409,500	9,125	8,659
13	23	98.603	57.398,640	1.234.693,661	21,511	21,046	63	73	69.266	5.031,848	43.994,549	8,743	8,278
14	24	98.565	55.037,146	1.177.295,021	21,391	20,926	64	74	66.874	4.660,051	38.962,702	8,361	7,896
15	25	98.520	52.769,345	1.122.257,875	21,267	20,802	65	75	64.321	4.299,387	34.302,651	7,978	7,513
16	26	98.472	50.593,684	1.069.488,530	21,139	20,674	66	76	61.556	3.946,831	30.003,264	7,602	7,137
17	27	98.407	48.498,942	1.018.894,846	21,009	20,543	67	77	58.630	3.605,987	26.056,433	7,226	6,761
18	28	98.328	46.484,636	970.395,904	20,876	20,410	68	78	55.508	3.274,770	22.450,446	6,856	6,390
19	29	98.225	44.542,533	923.911,268	20,742	20,277	69	79	52.187	2.953,337	19.175,676	6,493	6,028
20	30	98.117	42.679,741	879.368,735	20,604	20,139	70	80	48.704	2.643,882	16.222,339	6,136	5,671
21	31	98.010	40.895,281	836.688,994	20,459	19,994	71	81	45.010	2.343,752	13.578,457	5,793	5,328
22	32	97.898	39.183,327	795.793,714	20,309	19,844	72	82	41.163	2.056,029	11.234,705	5,464	4,999
23	33	97.790	37.544,232	756.610,387	20,153	19,687	73	83	37.147	1.779,813	9.178,676	5,157	4,692
24	34	97.678	35.972,579	719.066,155	19,989	19,524	74	84	33.148	1.523,446	7.398,863	4,857	4,391
25	35	97.561	34.464,868	683.093,576	19,820	19,355	75	85	29.190	1.286,847	5.875,417	4,566	4,101
26	36	97.440	33.018,731	648.628,708	19,644	19,179	76	86	25.423	1.075,094	4.588,570	4,268	3,803
27	37	97.315	31.632,095	615.609,977	19,462	18,996	77	87	21.720	881,039	3.513,477	3,988	3,523
28	38	97.186	30.302,245	583.977,881	19,272	18,807	78	88	18.111	704,695	2.632,437	3,736	3,270
29	39	97.047	29.025,219	553.675,636	19,076	18,610	79	89	14.774	551,422	1.927,742	3,496	3,031
30	40	96.901	27.800,089	524.650,418	18,872	18,407	80	90	11.746	420,537	1.376,320	3,273	2,808
31	41	96.746	26.624,088	496.850,329	18,662	18,196	81	91	9.096	312,374	955,783	3,060	2,595
32	42	96.574	25.493,301	470.226,241	18,445	17,980	82	92	6.784	223,496	643,409	2,879	2,414
33	43	96.386	24.406,491	444.732,940	18,222	17,757	83	93	4.885	154,362	419,913	2,720	2,255
34	44	96.177	23.360,604	420.326,449	17,993	17,528	84	94	3.404	103,195	265,551	2,573	2,108
35	45	95.951	22.355,689	396.965,845	17,757	17,292	85	95	2.293	66,659	162,356	2,436	1,970
36	46	95.699	21.387,889	374.610,156	17,515	17,050	86	96	1.494	41,661	95,697	2,297	1,832
37	47	95.419	20.455,997	353.222,267	17,267	16,802	87	97	929	24,864	54,036	2,173	1,708
38	48	95.118	19.560,241	332.766,270	17,012	16,547	88	98	550	14,122	29,172	2,066	1,601
39	49	94.786	18.697,246	313.206,029	16,751	16,286	89	99	310	7,642	15,050	1,969	1,504
40	50	94.412	17.864,267	294.508,784	16,486	16,021	90	100	167	3,939	7,408	1,881	1,416
41	51	94.011	17.063,254	276.644,517	16,213	15,748	91	101	85	1,930	3,470	1,797	1,332
42	52	93.572	16.291,166	259.581,262	15,934	15,469	92	102	41	0,893	1,539	1,723	1,258
43	53	93.084	15.545,412	243.290,096	15,650	15,185	93	103	19	0,390	0,646	1,656	1,191
44	54	92.560	14.827,785	227.744,683	15,359	14,894	94	104	8	0,161	0,256	1,595	1,129
45	55	91.991	14.135,796	212.916,899	15,062	14,597	95	105	3	0,062	0,095	1,539	1,073
46	56	91.360	13.466,604	198.781,102	14,761	14,296	96	106					
47	57	90.685	12.822,075	185.314,499	14,453	13,988	97	107					
48	58	89.941	12.198,567	172.492,424	14,140	13,675	98	108					
49	59	89.143	11.597,374	160.293,857	13,822	13,356	99	109					
							100	110					

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -11 Jahre

Zinsfuß 4,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	11	99.480	99.479,797	2.244.119,557	22,559	22,093	50	61	87.806	10.957,700	145.505,420	13,279	12,814
1	12	99.017	94.980,003	2.144.639,761	22,580	22,115	51	62	86.879	10.400,042	134.547,720	12,937	12,472
2	13	98.968	91.063,375	2.049.659,758	22,508	22,043	52	63	85.885	9.861,922	124.147,678	12,589	12,123
3	14	98.939	87.324,911	1.958.596,383	22,429	21,964	53	64	84.800	9.340,430	114.285,755	12,236	11,770
4	15	98.909	83.739,863	1.871.271,471	22,346	21,881	54	65	83.651	8.838,220	104.945,326	11,874	11,409
5	16	98.878	80.300,886	1.787.531,608	22,260	21,795	55	66	82.405	8.351,571	96.107,106	11,508	11,042
6	17	98.844	77.000,371	1.707.230,722	22,172	21,707	56	67	81.047	7.879,123	87.755,535	11,138	10,673
7	18	98.810	73.836,409	1.630.230,351	22,079	21,614	57	68	79.595	7.422,499	79.876,412	10,761	10,296
8	19	98.770	70.797,180	1.556.393,942	21,984	21,519	58	69	78.004	6.977,566	72.453,914	10,384	9,919
9	20	98.731	67.884,066	1.485.596,763	21,884	21,419	59	70	76.275	6.544,745	65.476,348	10,004	9,539
10	21	98.690	65.089,951	1.417.712,697	21,781	21,316	60	71	74.400	6.123,651	58.931,603	9,624	9,158
11	22	98.657	62.415,262	1.352.622,746	21,671	21,206	61	72	72.370	5.713,715	52.807,952	9,242	8,777
12	23	98.616	59.845,898	1.290.207,485	21,559	21,094	62	73	70.212	5.317,324	47.094,237	8,857	8,392
13	24	98.577	57.383,665	1.230.361,587	21,441	20,976	63	74	67.855	4.929,337	41.776,913	8,475	8,010
14	25	98.538	55.022,193	1.172.977,922	21,318	20,853	64	75	65.352	4.553,981	36.847,576	8,091	7,626
15	26	98.495	52.756,360	1.117.955,729	21,191	20,726	65	76	62.653	4.187,914	32.293,595	7,711	7,246
16	27	98.445	50.579,520	1.065.199,369	21,060	20,595	66	77	59.774	3.832,576	28.105,681	7,333	6,868
17	28	98.378	48.484,808	1.014.619,849	20,927	20,461	67	78	56.723	3.488,675	24.273,105	6,958	6,492
18	29	98.299	46.470,838	966.135,041	20,790	20,325	68	79	53.450	3.153,400	20.784,429	6,591	6,126
19	30	98.196	44.529,495	919.664,202	20,653	20,188	69	80	49.992	2.829,102	17.631,030	6,232	5,767
20	31	98.085	42.665,767	875.134,708	20,511	20,046	70	81	46.332	2.515,087	14.801,928	5,885	5,420
21	32	97.975	40.880,672	832.468,940	20,363	19,898	71	82	42.501	2.213,102	12.286,841	5,552	5,087
22	33	97.863	39.169,394	791.588,268	20,209	19,744	72	83	38.503	1.923,160	10.073,739	5,238	4,773
23	34	97.751	37.529,230	752.418,874	20,049	19,584	73	84	34.485	1.652,275	8.150,579	4,933	4,468
24	35	97.632	35.955,714	714.889,644	19,883	19,417	74	85	30.484	1.401,020	6.498,304	4,638	4,173
25	36	97.511	34.447,224	678.933,930	19,709	19,244	75	86	26.655	1.175,117	5.097,284	4,338	3,872
26	37	97.385	33.000,060	644.486,706	19,530	19,065	76	87	22.860	966,709	3.922,167	4,057	3,592
27	38	97.256	31.612,698	611.486,646	19,343	18,878	77	88	19.159	777,184	2.955,458	3,803	3,338
28	39	97.118	30.281,048	579.873,948	19,150	18,685	78	89	15.729	612,008	2.178,274	3,559	3,094
29	40	96.969	29.001,991	549.592,899	18,950	18,485	79	90	12.584	469,688	1.566,266	3,335	2,869
30	41	96.817	27.775,903	520.590,908	18,743	18,277	80	91	9.826	351,795	1.096,578	3,117	2,652
31	42	96.650	26.597,770	492.815,005	18,528	18,063	81	92	7.391	253,835	744,783	2,934	2,469
32	43	96.465	25.464,629	466.217,235	18,308	17,843	82	93	5.391	177,592	490,947	2,764	2,299
33	44	96.261	24.374,811	440.752,606	18,082	17,617	83	94	3.791	119,786	313,355	2,616	2,151
34	45	96.043	23.328,086	416.377,794	17,849	17,384	84	95	2.577	78,104	193,569	2,478	2,013
35	46	95.799	22.320,232	393.049,709	17,610	17,144	85	96	1.690	49,143	115,465	2,350	1,884
36	47	95.527	21.349,477	370.729,476	17,365	16,900	86	97	1.071	29,878	66,322	2,220	1,755
37	48	95.233	20.416,217	349.379,999	17,113	16,648	87	98	648	17,324	36,444	2,104	1,639
38	49	94.917	19.518,775	328.963,782	16,854	16,388	88	99	372	9,547	19,121	2,003	1,538
39	50	94.558	18.652,247	309.445,008	16,590	16,125	89	100	203	5,006	9,574	1,912	1,447
40	51	94.174	17.819,131	290.792,761	16,319	15,854	90	101	106	2,497	4,568	1,829	1,364
41	52	93.750	17.015,866	272.973,630	16,042	15,577	91	102	52	1,183	2,071	1,751	1,286
42	53	93.289	16.241,915	255.957,765	15,759	15,294	92	103	24	0,528	0,888	1,681	1,216
43	54	92.790	15.496,327	239.715,850	15,469	15,004	93	104	11	0,222	0,360	1,618	1,153
44	55	92.238	14.776,210	224.219,523	15,174	14,709	94	105	4	0,088	0,137	1,560	1,095
45	56	91.642	14.082,266	209.443,313	14,873	14,408	95	106					
46	57	90.993	13.412,539	195.361,047	14,566	14,100	96	107					
47	58	90.280	12.764,849	181.948,508	14,254	13,789	97	108					
48	59	89.508	12.139,823	169.183,659	13,936	13,471	98	109					
49	60	88.690	11.538,416	157.043,836	13,611	13,145	99	110					
							100	111					

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -12 Jahre

Zinsfuß 4,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	12	99.470	99.470,467	2.239.319,534	22,512	22,047	50	62	87.312	10.896,037	142.140,880	13,045	12,580
1	13	99.008	94.971,936	2.139.849,067	22,531	22,066	51	63	86.332	10.334,596	131.244,843	12,700	12,234
2	14	98.959	91.054,552	2.044.877,130	22,458	21,992	52	64	85.301	9.794,843	120.910,248	12,344	11,879
3	15	98.927	87.314,736	1.953.822,578	22,377	21,912	53	65	84.180	9.272,125	111.115,404	11,984	11,519
4	16	98.891	83.724,901	1.866.507,842	22,293	21,828	54	66	82.968	8.766,035	101.843,280	11,618	11,153
5	17	98.857	80.283,880	1.782.782,941	22,206	21,741	55	67	81.658	8.275,934	93.077,245	11,247	10,782
6	18	98.822	76.983,429	1.702.499,060	22,115	21,650	56	68	80.223	7.799,032	84.801,311	10,873	10,408
7	19	98.782	73.815,174	1.625.515,631	22,021	21,556	57	69	78.685	7.337,603	77.002,279	10,494	10,029
8	20	98.742	70.777,554	1.551.700,457	21,924	21,458	58	70	77.009	6.888,545	69.664,676	10,113	9,648
9	21	98.700	67.862,624	1.480.922,903	21,822	21,357	59	71	75.191	6.451,721	62.776,131	9,730	9,265
10	22	98.666	65.074,025	1.413.060,279	21,715	21,249	60	72	73.194	6.024,372	56.324,410	9,349	8,884
11	23	98.630	62.398,363	1.347.986,254	21,603	21,138	61	73	71.065	5.610,702	50.300,038	8,965	8,500
12	24	98.590	59.830,284	1.285.587,890	21,487	21,022	62	74	68.781	5.208,998	44.689,336	8,579	8,114
13	25	98.551	57.368,075	1.225.757,607	21,367	20,901	63	75	66.310	4.817,137	39.480,338	8,196	7,731
14	26	98.514	55.008,654	1.168.389,532	21,240	20,775	64	76	63.658	4.435,907	34.663,201	7,814	7,349
15	27	98.468	52.741,591	1.113.380,878	21,110	20,645	65	77	60.839	4.066,681	30.227,294	7,433	6,968
16	28	98.416	50.564,779	1.060.639,287	20,976	20,511	66	78	57.829	3.707,893	26.160,613	7,055	6,590
17	29	98.349	48.470,417	1.010.074,508	20,839	20,374	67	79	54.620	3.359,378	22.452,720	6,684	6,218
18	30	98.270	46.457,236	961.604,091	20,699	20,233	68	80	51.202	3.020,749	19.093,343	6,321	5,856
19	31	98.164	44.514,915	915.146,855	20,558	20,093	69	81	47.556	2.691,284	16.072,594	5,972	5,507
20	32	98.050	42.650,527	870.631,940	20,413	19,948	70	82	43.749	2.374,886	13.381,310	5,635	5,169
21	33	97.940	40.866,136	827.981,413	20,261	19,796	71	83	39.755	2.070,082	11.006,424	5,317	4,852
22	34	97.824	39.153,743	787.115,277	20,103	19,638	72	84	35.744	1.785,350	8.936,341	5,005	4,540
23	35	97.705	37.511,636	747.961,534	19,939	19,474	73	85	31.714	1.519,496	7.150,991	4,706	4,241
24	36	97.582	35.937,306	710.449,898	19,769	19,304	74	86	27.837	1.279,377	5.631,496	4,402	3,937
25	37	97.456	34.427,745	674.512,592	19,592	19,127	75	87	23.968	1.056,648	4.352,119	4,119	3,654
26	38	97.325	32.979,824	640.084,847	19,408	18,943	76	88	20.165	852,755	3.295,471	3,864	3,399
27	39	97.188	31.590,585	607.105,023	19,218	18,753	77	89	16.639	674,964	2.442,715	3,619	3,154
28	40	97.040	30.256,815	575.514,438	19,021	18,556	78	90	13.397	521,294	1.767,752	3,391	2,926
29	41	96.885	28.976,760	545.257,623	18,817	18,352	79	91	10.527	392,912	1.246,458	3,172	2,707
30	42	96.721	27.748,447	516.280,863	18,606	18,141	80	92	7.985	285,869	853,546	2,986	2,521
31	43	96.542	26.567,856	488.532,416	18,388	17,923	81	93	5.873	201,700	567,678	2,814	2,349
32	44	96.340	25.431,576	461.964,560	18,165	17,700	82	94	4.183	137,813	365,977	2,656	2,190
33	45	96.127	24.340,881	436.532,984	17,934	17,469	83	95	2.869	90,661	228,164	2,517	2,051
34	46	95.891	23.291,087	412.192,103	17,697	17,232	84	96	1.900	57,580	137,503	2,388	1,923
35	47	95.627	22.280,146	388.901,015	17,455	16,990	85	97	1.212	35,243	79,923	2,268	1,803
36	48	95.341	21.307,960	366.620,870	17,206	16,741	86	98	746	20,817	44,679	2,146	1,681
37	49	95.032	20.372,936	345.312,910	16,950	16,484	87	99	438	11,711	23,862	2,038	1,572
38	50	94.688	19.471,798	324.939,974	16,688	16,223	88	100	244	6,254	12,151	1,943	1,478
39	51	94.319	18.605,119	305.468,176	16,419	15,953	89	101	129	3,174	5,897	1,858	1,393
40	52	93.912	17.769,643	286.863,056	16,143	15,678	90	102	65	1,530	2,724	1,780	1,315
41	53	93.467	16.964,423	269.093,414	15,862	15,397	91	103	31	0,699	1,194	1,707	1,241
42	54	92.995	16.190,630	252.128,991	15,573	15,107	92	104	14	0,301	0,494	1,641	1,176
43	55	92.467	15.442,427	235.938,360	15,279	14,813	93	105	6	0,122	0,193	1,581	1,116
44	56	91.889	14.720,255	220.495,933	14,979	14,514	94	106					
45	57	91.274	14.025,730	205.775,679	14,671	14,206	95	107					
46	58	90.587	13.352,678	191.749,949	14,360	13,895	96	108					
47	59	89.845	12.703,378	178.397,271	14,043	13,578	97	109					
48	60	89.053	12.078,107	165.693,893	13,719	13,253	98	110					
49	61	88.202	11.474,906	153.615,786	13,387	12,922	99	111					
							100	112					

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -13 Jahre

Zinsfuß 4,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	13	99.462	99.462,020	2.234.222,402	22,463	21,998	50	63	86.762	10.827,470	138.597,360	12,801	12,335
1	14	98.999	94.962,735	2.134.760,382	22,480	22,015	51	64	85.745	10.264,301	127.769,890	12,448	11,983
2	15	98.947	91.043,942	2.039.797,648	22,405	21,939	52	65	84.677	9.723,215	117.505,589	12,085	11,620
3	16	98.910	87.299,135	1.948.753,706	22,323	21,857	53	66	83.493	9.196,396	107.782,374	11,720	11,255
4	17	98.871	83.707,171	1.861.454,571	22,238	21,772	54	67	82.217	8.686,644	98.585,978	11,349	10,884
5	18	98.836	80.266,216	1.777.747,400	22,148	21,683	55	68	80.828	8.191,809	89.899,334	10,974	10,509
6	19	98.794	76.961,289	1.697.481,184	22,056	21,591	56	69	79.306	7.709,830	81.707,524	10,598	10,133
7	20	98.755	73.794,712	1.620.519,894	21,960	21,495	57	70	77.681	7.243,989	73.997,695	10,215	9,750
8	21	98.711	70.755,199	1.546.725,182	21,860	21,395	58	71	75.914	6.790,634	66.753,706	9,830	9,365
9	22	98.675	67.846,020	1.475.969,983	21,755	21,289	59	72	73.972	6.347,124	59.963,072	9,447	8,982
10	23	98.639	65.056,407	1.408.123,963	21,645	21,179	60	73	71.874	5.915,758	53.615,948	9,063	8,598
11	24	98.604	62.382,083	1.343.067,556	21,530	21,064	61	74	69.617	5.496,399	47.700,189	8,678	8,213
12	25	98.563	59.814,029	1.280.685,473	21,411	20,946	62	75	67.216	5.090,432	42.203,791	8,291	7,826
13	26	98.526	57.353,958	1.220.871,444	21,287	20,821	63	76	64.591	4.692,240	37.113,359	7,910	7,444
14	27	98.486	54.993,254	1.163.517,486	21,157	20,692	64	77	61.815	4.307,495	32.421,118	7,527	7,061
15	28	98.439	52.726,220	1.108.524,232	21,024	20,559	65	78	58.860	3.934,382	28.113,623	7,146	6,680
16	29	98.387	50.549,771	1.055.798,012	20,886	20,421	66	79	55.686	3.570,471	24.179,242	6,772	6,307
17	30	98.320	48.456,229	1.005.248,241	20,745	20,280	67	80	52.323	3.218,062	20.608,771	6,404	5,939
18	31	98.238	46.442,025	956.792,012	20,602	20,137	68	81	48.708	2.873,595	17.390,709	6,052	5,587
19	32	98.129	44.499,014	910.349,987	20,458	19,993	69	82	44.905	2.541,261	14.517,115	5,713	5,247
20	33	98.015	42.635,361	865.850,973	20,308	19,843	70	83	40.922	2.221,411	11.975,854	5,391	4,926
21	34	97.901	40.849,807	823.215,612	20,152	19,687	71	84	36.906	1.921,745	9.754,442	5,076	4,611
22	35	97.778	39.135,387	782.365,805	19,991	19,526	72	85	32.871	1.641,877	7.832,698	4,771	4,305
23	36	97.655	37.492,432	743.230,418	19,823	19,358	73	86	28.961	1.387,566	6.190,821	4,462	3,996
24	37	97.527	35.916,985	705.737,986	19,649	19,184	74	87	25.031	1.150,397	4.803,255	4,175	3,710
25	38	97.397	34.406,634	669.821,001	19,468	19,003	75	88	21.143	932,093	3.652,858	3,919	3,454
26	39	97.257	32.956,754	635.414,368	19,280	18,815	76	89	17.513	740,595	2.720,765	3,674	3,209
27	40	97.110	31.565,304	602.457,614	19,086	18,621	77	90	14.173	574,917	1.980,170	3,444	2,979
28	41	96.956	30.230,493	570.892,310	18,885	18,419	78	91	11.207	436,082	1.405,253	3,222	2,757
29	42	96.789	28.948,117	540.661,817	18,677	18,212	79	92	8.554	319,280	969,171	3,035	2,570
30	43	96.612	27.717,239	511.713,701	18,462	17,997	80	93	6.345	227,154	649,891	2,861	2,396
31	44	96.416	26.533,371	483.996,461	18,241	17,776	81	94	4.558	156,521	422,736	2,701	2,236
32	45	96.206	25.396,175	457.463,091	18,013	17,548	82	95	3.166	104,305	266,215	2,552	2,087
33	46	95.975	24.302,277	432.066,916	17,779	17,314	83	96	2.115	66,838	161,910	2,422	1,957
34	47	95.718	23.249,257	407.764,639	17,539	17,074	84	97	1.362	41,294	95,072	2,302	1,837
35	48	95.441	22.236,819	384.515,382	17,292	16,827	85	98	845	24,556	53,778	2,190	1,725
36	49	95.139	21.262,788	362.278,564	17,038	16,573	86	99	505	14,073	29,222	2,076	1,611
37	50	94.803	20.323,904	341.015,776	16,779	16,314	87	100	287	7,672	15,149	1,975	1,509
38	51	94.449	19.422,600	320.691,872	16,511	16,046	88	101	154	3,965	7,477	1,886	1,421
39	52	94.057	18.553,448	301.269,271	16,238	15,773	89	102	79	1,944	3,513	1,807	1,341
40	53	93.628	17.715,921	282.715,823	15,958	15,493	90	103	38	0,905	1,568	1,734	1,268
41	54	93.172	16.910,857	264.999,902	15,670	15,205	91	104	18	0,399	0,664	1,664	1,199
42	55	92.671	16.134,315	248.089,044	15,376	14,911	92	105	8	0,165	0,265	1,603	1,137
43	56	92.117	15.383,949	231.954,729	15,078	14,612	93	106					
44	57	91.520	14.661,157	216.570,780	14,772	14,307	94	107					
45	58	90.867	13.963,132	201.909,623	14,460	13,995	95	108					
46	59	90.151	13.288,376	187.946,491	14,144	13,678	96	109					
47	60	89.388	12.638,797	174.658,115	13,819	13,354	97	110					
48	61	88.563	12.011,626	162.019,318	13,489	13,023	98	111					
49	62	87.705	11.410,332	150.007,692	13,147	12,681	99	112					
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -14 Jahre

Zinsfuß 4,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	14	99.452	99.452,383	2.228.815,576	22,411	21,946	50	64	86.172	10.753,823	134.875,615	12,542	12,077
1	15	98.987	94.951,669	2.129.363,193	22,426	21,961	51	65	85.118	10.189,240	124.121,792	12,182	11,716
2	16	98.929	91.027,675	2.034.411,524	22,349	21,884	52	66	83.985	9.643,802	113.932,551	11,814	11,349
3	17	98.889	87.280,648	1.943.383,849	22,266	21,801	53	67	82.737	9.113,108	104.288,749	11,444	10,979
4	18	98.849	83.688,753	1.856.103,201	22,179	21,713	54	68	81.381	8.598,345	95.175,641	11,069	10,604
5	19	98.807	80.243,132	1.772.414,448	22,088	21,623	55	69	79.904	8.098,115	86.577,297	10,691	10,226
6	20	98.766	76.939,955	1.692.171,316	21,993	21,528	56	70	78.294	7.611,466	78.479,182	10,311	9,845
7	21	98.723	73.771,404	1.615.231,361	21,895	21,430	57	71	76.577	7.141,026	70.867,715	9,924	9,459
8	22	98.687	70.737,887	1.541.459,957	21,791	21,326	58	72	74.683	6.680,543	63.726,689	9,539	9,074
9	23	98.649	67.827,652	1.470.722,070	21,683	21,218	59	73	72.638	6.232,691	57.046,147	9,153	8,688
10	24	98.614	65.039,433	1.402.894,418	21,570	21,105	60	74	70.410	5.795,240	50.813,456	8,768	8,303
11	25	98.578	62.365,135	1.337.854,985	21,452	20,987	61	75	68.033	5.371,291	45.018,215	8,381	7,916
12	26	98.539	59.799,311	1.275.489,850	21,330	20,864	62	76	65.473	4.958,450	39.646,924	7,996	7,531
13	27	98.499	57.337,902	1.215.690,539	21,202	20,737	63	77	62.721	4.556,468	34.688,474	7,613	7,148
14	28	98.457	54.977,227	1.158.352,637	21,070	20,604	64	78	59.804	4.167,361	30.132,067	7,230	6,765
15	29	98.410	52.710,570	1.103.375,410	20,933	20,467	65	79	56.679	3.788,565	25.964,705	6,853	6,388
16	30	98.358	50.534,974	1.050.664,840	20,791	20,326	66	80	53.343	3.420,275	22.176,140	6,484	6,019
17	31	98.288	48.440,364	1.000.129,866	20,647	20,181	67	81	49.774	3.061,296	18.755,865	6,127	5,662
18	32	98.203	46.425,436	951.689,502	20,499	20,034	68	82	45.993	2.713,409	15.694,570	5,784	5,319
19	33	98.094	44.483,191	905.264,067	20,351	19,885	69	83	42.003	2.377,034	12.981,160	5,461	4,996
20	34	97.976	42.618,325	860.780,876	20,197	19,732	70	84	37.989	2.062,230	10.604,126	5,142	4,677
21	35	97.855	40.830,656	818.162,551	20,038	19,573	71	85	33.940	1.767,310	8.541,896	4,833	4,368
22	36	97.728	39.115,351	777.331,895	19,873	19,408	72	86	30.017	1.499,321	6.774,586	4,518	4,053
23	37	97.599	37.471,231	738.216,543	19,701	19,236	73	87	26.041	1.247,679	5.275,265	4,228	3,763
24	38	97.467	35.894,960	700.745,312	19,522	19,057	74	88	22.080	1.014,791	4.027,585	3,969	3,504
25	39	97.328	34.382,566	664.850,352	19,337	18,872	75	89	18.362	809,498	3.012,794	3,722	3,257
26	40	97.179	32.930,380	630.467,786	19,145	18,680	76	90	14.917	630,820	2.203,297	3,493	3,028
27	41	97.025	31.537,843	597.537,406	18,947	18,481	77	91	11.856	480,940	1.572,476	3,270	2,804
28	42	96.860	30.200,610	565.999,564	18,741	18,276	78	92	9.107	354,360	1.091,536	3,080	2,615
29	43	96.680	28.915,559	535.798,954	18,530	18,065	79	93	6.797	253,703	737,176	2,906	2,440
30	44	96.487	27.681,262	506.883,394	18,311	17,846	80	94	4.923	176,274	483,473	2,743	2,278
31	45	96.282	26.496,436	479.202,132	18,086	17,620	81	95	3.449	118,465	307,199	2,593	2,128
32	46	96.053	25.355,896	452.705,697	17,854	17,389	82	96	2.334	76,896	188,734	2,454	1,989
33	47	95.802	24.258,630	427.349,800	17,616	17,151	83	97	1.517	47,934	111,838	2,333	1,868
34	48	95.532	23.204,045	403.091,170	17,372	16,906	84	98	949	28,772	63,905	2,221	1,756
35	49	95.239	22.189,678	379.887,125	17,120	16,655	85	99	571	16,600	35,133	2,116	1,651
36	50	94.910	21.211,615	357.697,447	16,863	16,398	86	100	331	9,219	18,533	2,010	1,545
37	51	94.563	20.272,553	336.485,832	16,598	16,133	87	101	182	4,863	9,314	1,915	1,450
38	52	94.187	19.368,659	316.213,279	16,326	15,861	88	102	95	2,429	4,450	1,832	1,367
39	53	93.773	18.497,357	296.844,620	16,048	15,583	89	103	47	1,150	2,021	1,758	1,292
40	54	93.332	17.659,983	278.347,263	15,761	15,296	90	104	22	0,516	0,871	1,689	1,224
41	55	92.848	16.852,037	260.687,280	15,469	15,004	91	105	10	0,219	0,355	1,624	1,159
42	56	92.320	16.073,217	243.835,243	15,170	14,705	92	106					
43	57	91.747	15.322,187	227.762,026	14,865	14,400	93	107					
44	58	91.111	14.595,723	212.439,839	14,555	14,090	94	108					
45	59	90.429	13.895,890	197.844,116	14,238	13,772	95	109					
46	60	89.693	13.220,821	183.948,226	13,914	13,448	96	110					
47	61	88.896	12.569,230	170.727,405	13,583	13,118	97	111					
48	62	88.065	11.944,033	158.158,175	13,242	12,776	98	112					
49	63	87.153	11.338,528	146.214,143	12,895	12,430	99						
							100						

Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004

Altersdifferenz zwischen Mann und Frau (x - y) = -15 Jahre

Zinsfuß 4,25%

Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	15	99.441	99.440,794	2.223.088,391	22,356	21,891	50	65	85.542	10.675,182	130.974,845	12,269	11,804
1	16	98.969	94.934,704	2.123.647,597	22,370	21,904	51	66	84.423	10.106,021	120.299,663	11,904	11,439
2	17	98.908	91.008,398	2.028.712,893	22,291	21,826	52	67	83.225	9.556,462	110.193,642	11,531	11,066
3	18	98.867	87.261,444	1.937.704,495	22,206	21,741	53	68	81.896	9.020,473	100.637,180	11,157	10,691
4	19	98.820	83.664,685	1.850.443,051	22,117	21,652	54	69	80.450	8.500,000	91.616,706	10,778	10,313
5	20	98.780	80.220,889	1.766.778,366	22,024	21,559	55	70	78.884	7.994,798	83.116,706	10,396	9,931
6	21	98.735	76.915,653	1.686.557,477	21,927	21,462	56	71	77.181	7.503,280	75.121,908	10,012	9,547
7	22	98.699	73.753,354	1.609.641,824	21,825	21,359	57	72	75.335	7.025,254	67.618,628	9,625	9,160
8	23	98.660	70.718,735	1.535.888,470	21,718	21,253	58	73	73.337	6.560,098	60.593,374	9,237	8,771
9	24	98.623	67.809,955	1.465.169,735	21,607	21,142	59	74	71.158	6.105,716	54.033,276	8,850	8,384
10	25	98.587	65.021,763	1.397.359,780	21,491	21,025	60	75	68.807	5.663,331	47.927,559	8,463	7,998
11	26	98.553	62.349,789	1.332.338,016	21,369	20,904	61	76	66.269	5.232,027	42.264,228	8,078	7,613
12	27	98.512	59.782,570	1.269.988,227	21,243	20,778	62	77	63.578	4.814,911	37.032,202	7,691	7,226
13	28	98.470	57.321,192	1.210.205,657	21,113	20,647	63	78	60.681	4.408,176	32.217,291	7,309	6,843
14	29	98.428	54.960,909	1.152.884,466	20,976	20,511	64	79	57.587	4.012,910	27.809,114	6,930	6,465
15	30	98.381	52.695,141	1.097.923,557	20,835	20,370	65	80	54.294	3.629,195	23.796,204	6,557	6,092
16	31	98.326	50.518,428	1.045.228,416	20,690	20,225	66	81	50.745	3.253,658	20.167,009	6,198	5,733
17	32	98.253	48.423,060	994.709,988	20,542	20,077	67	82	46.999	2.890,647	16.913,351	5,851	5,386
18	33	98.168	46.408,928	946.286,928	20,390	19,925	68	83	43.020	2.538,058	14.022,704	5,525	5,060
19	34	98.055	44.465,416	899.878,000	20,238	19,772	69	84	38.993	2.206,701	11.484,646	5,204	4,739
20	35	97.930	42.598,345	855.412,583	20,081	19,616	70	85	34.936	1.896,506	9.277,945	4,892	4,427
21	36	97.805	40.809,752	812.814,239	19,917	19,452	71	86	30.993	1.613,864	7.381,439	4,574	4,109
22	37	97.673	39.093,233	772.004,486	19,748	19,283	72	87	26.991	1.348,168	5.767,575	4,278	3,813
23	38	97.540	37.448,253	732.911,253	19,571	19,106	73	88	22.971	1.100,606	4.419,407	4,015	3,550
24	39	97.399	35.869,851	695.463,000	19,389	18,923	74	89	19.176	881,318	3.318,801	3,766	3,301
25	40	97.251	34.355,051	659.593,149	19,199	18,734	75	90	15.640	689,510	2.437,483	3,535	3,070
26	41	97.095	32.901,731	625.238,098	19,003	18,538	76	91	12.479	527,705	1.747,973	3,312	2,847
27	42	96.930	31.506,668	592.336,367	18,800	18,335	77	92	9.634	390,812	1.220,268	3,122	2,657
28	43	96.751	30.166,644	560.829,699	18,591	18,126	78	93	7.237	281,578	829,456	2,946	2,481
29	44	96.555	28.878,026	530.663,055	18,376	17,911	79	94	5.275	196,876	547,877	2,783	2,318
30	45	96.352	27.642,729	501.785,028	18,153	17,687	80	95	3.726	133,414	351,001	2,631	2,166
31	46	96.129	26.454,412	474.142,299	17,923	17,458	81	96	2.543	87,335	217,587	2,491	2,026
32	47	95.881	25.310,358	447.687,887	17,688	17,223	82	97	1.674	55,147	130,252	2,362	1,897
33	48	95.616	24.211,456	422.377,529	17,445	16,980	83	98	1.057	33,398	75,105	2,249	1,784
34	49	95.330	23.154,854	398.166,073	17,196	16,731	84	99	642	19,450	41,707	2,144	1,679
35	50	95.009	22.136,274	375.011,219	16,941	16,476	85	100	374	10,874	22,257	2,047	1,582
36	51	94.670	21.158,021	352.874,945	16,678	16,213	86	101	210	5,844	11,382	1,948	1,482
37	52	94.301	20.216,251	331.716,925	16,408	15,943	87	102	111	2,980	5,538	1,859	1,393
38	53	93.902	19.310,104	311.500,674	16,131	15,666	88	103	56	1,437	2,558	1,781	1,316
39	54	93.477	18.438,951	292.190,570	15,846	15,381	89	104	27	0,656	1,122	1,711	1,246
40	55	93.008	17.598,557	273.751,619	15,555	15,090	90	105	12	0,283	0,466	1,647	1,181
41	56	92.496	16.788,221	256.153,062	15,258	14,793	91	106					
42	57	91.950	16.008,687	239.364,841	14,952	14,487	92	107					
43	58	91.337	15.253,802	223.356,153	14,643	14,177	93	108					
44	59	90.673	14.525,435	208.102,351	14,327	13,862	94	109					
45	60	89.970	13.825,247	193.576,916	14,002	13,536	95	110					
46	61	89.199	13.148,050	179.751,669	13,671	13,206	96	111					
47	62	88.396	12.498,498	166.603,619	13,330	12,865	97	112					
48	63	87.511	11.868,870	154.105,120	12,984	12,519	98						
49	64	86.560	11.261,405	142.236,250	12,630	12,165	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -16 Jahre

Zinsfuß 4,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	16	99.423	99.423,027	2.217.030,779	22,299	21,834	50	66	84.843	10.587,994	126.894,418	11,985	11,520
1	17	98.948	94.914,599	2.117.607,752	22,311	21,845	51	67	83.658	10.014,495	116.306,424	11,614	11,149
2	18	98.887	90.988,374	2.022.693,153	22,230	21,765	52	68	82.379	9.459,321	106.291,929	11,237	10,772
3	19	98.838	87.236,348	1.931.704,779	22,143	21,678	53	69	80.959	8.917,301	96.832,608	10,859	10,394
4	20	98.793	83.641,493	1.844.468,430	22,052	21,587	54	70	79.424	8.391,556	87.915,307	10,477	10,011
5	21	98.749	80.195,550	1.760.826,937	21,957	21,491	55	71	77.763	7.881,163	79.523,751	10,090	9,625
6	22	98.711	76.896,834	1.680.631,387	21,856	21,390	56	72	75.930	7.381,635	71.642,588	9,706	9,240
7	23	98.673	73.733,386	1.603.734,553	21,750	21,285	57	73	73.977	6.898,595	64.260,953	9,315	8,850
8	24	98.635	70.700,284	1.530.001,167	21,641	21,175	58	74	71.843	6.426,454	57.362,358	8,926	8,461
9	25	98.596	67.791,532	1.459.300,883	21,526	21,061	59	75	69.538	5.966,740	50.935,904	8,537	8,071
10	26	98.563	65.005,764	1.391.509,350	21,406	20,941	60	76	67.023	5.516,495	44.969,164	8,152	7,687
11	27	98.526	62.332,334	1.326.503,586	21,281	20,816	61	77	64.351	5.080,568	39.452,670	7,765	7,300
12	28	98.483	59.765,147	1.264.171,252	21,152	20,687	62	78	61.509	4.658,270	34.372,101	7,379	6,914
13	29	98.441	57.304,177	1.204.406,105	21,018	20,553	63	79	58.432	4.244,800	29.713,832	7,000	6,535
14	30	98.399	54.944,821	1.147.101,928	20,877	20,412	64	80	55.165	3.844,102	25.469,032	6,625	6,160
15	31	98.349	52.677,888	1.092.157,107	20,733	20,268	65	81	51.649	3.452,401	21.624,929	6,264	5,799
16	32	98.291	50.500,383	1.039.479,219	20,584	20,118	66	82	47.916	3.072,287	18.172,528	5,915	5,450
17	33	98.218	48.405,842	988.978,836	20,431	19,966	67	83	43.962	2.703,842	15.100,242	5,585	5,120
18	34	98.129	46.390,384	940.572,994	20,275	19,810	68	84	39.938	2.356,186	12.396,400	5,261	4,796
19	35	98.009	44.444,570	894.182,610	20,119	19,654	69	85	35.860	2.029,367	10.040,214	4,947	4,482
20	36	97.879	42.576,536	849.738,040	19,958	19,493	70	86	31.903	1.731,842	8.010,847	4,626	4,160
21	37	97.750	40.786,676	807.161,504	19,790	19,325	71	87	27.869	1.451,163	6.279,005	4,327	3,862
22	38	97.613	39.069,261	766.374,828	19,616	19,151	72	88	23.809	1.189,249	4.827,841	4,060	3,594
23	39	97.471	37.422,058	727.305,567	19,435	18,970	73	89	19.950	955,846	3.638,592	3,807	3,341
24	40	97.321	35.841,146	689.883,510	19,248	18,783	74	90	16.334	750,685	2.682,746	3,574	3,109
25	41	97.166	34.325,162	654.042,364	19,054	18,589	75	91	13.084	576,801	1.932,061	3,350	2,884
26	42	96.999	32.869,208	619.717,201	18,854	18,389	76	92	10.140	428,813	1.355,259	3,160	2,695
27	43	96.821	31.471,233	586.847,993	18,647	18,182	77	93	7.656	310,543	926,446	2,983	2,518
28	44	96.626	30.127,487	555.376,760	18,434	17,969	78	94	5.616	218,507	615,903	2,819	2,353
29	45	96.420	28.837,828	525.249,272	18,214	17,749	79	95	3.992	149,007	397,395	2,667	2,202
30	46	96.200	27.598,887	496.411,444	17,987	17,521	80	96	2.747	98,356	248,388	2,525	2,060
31	47	95.957	26.406,901	468.812,557	17,753	17,288	81	97	1.824	62,633	150,032	2,395	1,930
32	48	95.694	25.261,138	442.405,656	17,513	17,048	82	98	1.166	38,424	87,398	2,275	1,809
33	49	95.413	24.160,129	417.144,518	17,266	16,801	83	99	714	22,578	48,975	2,169	1,704
34	50	95.100	23.099,127	392.984,389	17,013	16,548	84	100	420	12,742	26,397	2,072	1,607
35	51	94.769	22.080,343	369.885,262	16,752	16,287	85	101	237	6,894	13,656	1,981	1,516
36	52	94.407	21.099,260	347.804,919	16,484	16,019	86	102	128	3,581	6,762	1,888	1,423
37	53	94.016	20.155,133	326.705,659	16,210	15,744	87	103	66	1,762	3,181	1,805	1,340
38	54	93.606	19.249,131	306.550,526	15,925	15,460	88	104	32	0,819	1,419	1,732	1,267
39	55	93.151	18.374,816	287.301,395	15,636	15,170	89	105	15	0,360	0,600	1,667	1,201
40	56	92.656	17.531,914	268.926,578	15,339	14,874	90	106					
41	57	92.125	16.720,821	251.394,665	15,035	14,570	91	107					
42	58	91.539	15.937,239	234.673,844	14,725	14,260	92	108					
43	59	90.898	15.180,346	218.736,605	14,409	13,944	93	109					
44	60	90.212	14.451,591	203.556,259	14,085	13,620	94	110					
45	61	89.474	13.749,149	189.104,668	13,754	13,289	95	111					
46	62	88.697	13.074,061	175.355,519	13,412	12,947	96	112					
47	63	87.840	12.419,847	162.281,457	13,066	12,601	97						
48	64	86.915	11.788,140	149.861,611	12,713	12,248	98						
49	65	85.927	11.179,053	138.073,471	12,351	11,886	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -17 Jahre

Zinsfuß 4,25%

Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	17	99.402	99.401,972	2.210.636,904	22,239	21,774	50	67	84.075	10.492,103	122.637,646	11,689	11,223
1	18	98.927	94.893,716	2.111.234,932	22,248	21,783	51	68	82.808	9.912,698	112.145,543	11,313	10,848
2	19	98.858	90.962,207	2.016.341,216	22,167	21,702	52	69	81.437	9.351,129	102.232,845	10,933	10,467
3	20	98.811	87.212,166	1.925.379,009	22,077	21,612	53	70	79.926	8.803,532	92.881,716	10,551	10,085
4	21	98.762	83.615,074	1.838.166,843	21,984	21,518	54	71	78.295	8.272,282	84.078,183	10,164	9,699
5	22	98.724	80.175,929	1.754.551,769	21,884	21,419	55	72	76.502	7.753,392	75.805,901	9,777	9,312
6	23	98.684	76.876,015	1.674.375,840	21,780	21,315	56	73	74.561	7.248,551	68.052,509	9,388	8,923
7	24	98.647	73.714,149	1.597.499,825	21,672	21,206	57	74	72.470	6.758,054	60.803,958	8,997	8,532
8	25	98.608	70.681,077	1.523.785,677	21,559	21,093	58	75	70.208	6.280,177	54.045,904	8,606	8,141
9	26	98.572	67.774,851	1.453.104,600	21,440	20,975	59	76	67.735	5.812,037	47.765,728	8,218	7,753
10	27	98.535	64.987,565	1.385.329,749	21,317	20,852	60	77	65.083	5.356,801	41.953,691	7,832	7,367
11	28	98.497	62.314,168	1.320.342,184	21,188	20,723	61	78	62.257	4.915,285	36.596,890	7,446	6,980
12	29	98.454	59.747,407	1.258.028,016	21,056	20,591	62	79	59.230	4.485,624	31.681,605	7,063	6,598
13	30	98.412	57.287,404	1.198.280,609	20,917	20,452	63	80	55.974	4.066,238	27.195,980	6,688	6,223
14	31	98.367	54.926,831	1.140.993,205	20,773	20,308	64	81	52.478	3.656,839	23.129,743	6,325	5,860
15	32	98.314	52.659,071	1.086.066,373	20,624	20,159	65	82	48.770	3.259,951	19.472,903	5,973	5,508
16	33	98.256	50.482,426	1.033.407,303	20,471	20,005	66	83	44.820	2.873,743	16.212,953	5,642	5,177
17	34	98.179	48.386,500	982.924,877	20,314	19,849	67	84	40.812	2.510,090	13.339,210	5,314	4,849
18	35	98.083	46.368,635	934.538,376	20,155	19,689	68	85	36.728	2.166,839	10.829,120	4,998	4,532
19	36	97.958	44.421,817	888.169,741	19,994	19,529	69	86	32.746	1.853,168	8.662,281	4,674	4,209
20	37	97.824	42.552,461	843.747,924	19,828	19,363	70	87	28.687	1.557,248	6.809,113	4,373	3,907
21	38	97.690	40.761,665	801.195,464	19,656	19,190	71	88	24.584	1.280,104	5.251,865	4,103	3,637
22	39	97.545	39.041,931	760.433,799	19,477	19,012	72	89	20.678	1.032,831	3.971,762	3,846	3,380
23	40	97.393	37.392,110	721.391,868	19,293	18,827	73	90	16.993	814,166	2.938,931	3,610	3,145
24	41	97.237	35.809,965	683.999,757	19,101	18,636	74	91	13.664	627,977	2.124,764	3,384	2,918
25	42	97.070	34.291,232	648.189,793	18,902	18,437	75	92	10.632	468,709	1.496,788	3,193	2,728
26	43	96.890	32.832,241	613.898,560	18,698	18,233	76	93	8.058	340,739	1.028,079	3,017	2,552
27	44	96.695	31.430,383	581.066,319	18,487	18,022	77	94	5.941	240,984	687,340	2,852	2,387
28	45	96.491	30.085,550	549.635,936	18,269	17,804	78	95	4.250	165,379	446,355	2,699	2,234
29	46	96.267	28.792,091	519.550,386	18,045	17,580	79	96	2.943	109,852	280,976	2,558	2,093
30	47	96.027	27.549,320	490.758,295	17,814	17,349	80	97	1.970	70,538	171,124	2,426	1,961
31	48	95.770	26.355,549	463.208,975	17,575	17,110	81	98	1.271	43,640	100,586	2,305	1,840
32	49	95.492	25.207,586	436.853,426	17,330	16,865	82	99	788	25,975	56,947	2,192	1,727
33	50	95.184	24.101,982	411.645,840	17,079	16,614	83	100	468	14,790	30,972	2,094	1,629
34	51	94.860	23.040,764	387.543,858	16,820	16,355	84	101	266	8,077	16,182	2,003	1,538
35	52	94.506	22.019,021	364.503,094	16,554	16,089	85	102	145	4,224	8,104	1,919	1,453
36	53	94.122	21.035,472	342.484,073	16,281	15,816	86	103	76	2,118	3,880	1,832	1,367
37	54	93.719	20.091,493	321.448,601	15,999	15,534	87	104	38	1,005	1,763	1,754	1,289
38	55	93.280	19.182,178	301.357,108	15,710	15,245	88	105	18	0,450	0,758	1,686	1,221
39	56	92.799	18.305,233	282.174,930	15,415	14,950	89						
40	57	92.284	17.461,528	263.869,697	15,111	14,646	90						
41	58	91.714	16.646,194	246.408,169	14,803	14,337	91						
42	59	91.099	15.860,491	229.761,974	14,486	14,021	92						
43	60	90.435	15.103,172	213.901,483	14,163	13,697	93						
44	61	89.715	14.372,046	198.798,311	13,832	13,367	94						
45	62	88.971	13.671,778	184.426,265	13,490	13,024	95						
46	63	88.139	12.991,788	170.754,487	13,143	12,678	96						
47	64	87.242	12.335,369	157.762,699	12,789	12,324	97						
48	65	86.280	11.701,935	145.427,330	12,428	11,962	98						
49	66	85.226	11.087,749	133.725,395	12,061	11,595	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -18 Jahre

Zinsfuß 4,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	18	99.380	99.380,101	2.203.897,885	22,176	21,711	50	68	83.220	10.385,451	118.208,381	11,382	10,917
1	19	98.898	94.866,426	2.104.517,784	22,184	21,719	51	69	81.861	9.799,321	107.822,930	11,003	10,538
2	20	98.831	90.936,991	2.009.651,358	22,099	21,634	52	70	80.398	9.231,826	98.023,609	10,618	10,153
3	21	98.780	87.184,619	1.918.714,367	22,007	21,542	53	71	78.790	8.678,403	88.791,783	10,231	9,766
4	22	98.738	83.594,616	1.831.529,747	21,910	21,444	54	72	77.025	8.138,170	80.113,380	9,844	9,379
5	23	98.698	80.154,222	1.747.935,131	21,807	21,342	55	73	75.123	7.613,605	71.975,211	9,453	8,988
6	24	98.658	76.855,957	1.667.780,909	21,700	21,235	56	74	73.042	7.100,881	64.361,605	9,064	8,599
7	25	98.620	73.694,122	1.590.924,952	21,588	21,123	57	75	70.820	6.604,229	57.260,725	8,670	8,205
8	26	98.584	70.663,684	1.517.230,830	21,471	21,006	58	76	68.387	6.117,347	50.656,496	8,281	7,816
9	27	98.544	67.755,877	1.446.567,145	21,350	20,884	59	77	65.775	5.643,788	44.539,148	7,892	7,426
10	28	98.506	64.968,625	1.378.811,268	21,223	20,758	60	78	62.966	5.182,531	38.895,360	7,505	7,040
11	29	98.468	62.295,672	1.313.842,643	21,090	20,625	61	79	59.950	4.733,114	33.712,829	7,123	6,658
12	30	98.425	59.729,919	1.251.546,971	20,953	20,488	62	80	56.738	4.296,931	28.979,715	6,744	6,279
13	31	98.380	57.268,647	1.191.817,052	20,811	20,346	63	81	53.247	3.868,153	24.682,784	6,381	5,916
14	32	98.332	54.907,211	1.134.548,405	20,663	20,198	64	82	49.552	3.452,993	20.814,630	6,028	5,563
15	33	98.279	52.640,346	1.079.641,194	20,510	20,045	65	83	45.619	3.049,279	17.361,637	5,694	5,228
16	34	98.216	50.462,254	1.027.000,848	20,352	19,887	66	84	41.608	2.667,816	14.312,358	5,365	4,900
17	35	98.133	48.363,816	976.538,593	20,192	19,726	67	85	37.532	2.308,375	11.644,542	5,044	4,579
18	36	98.033	46.344,897	928.174,777	20,028	19,562	68	86	33.539	1.978,704	9.336,167	4,718	4,253
19	37	97.903	44.396,698	881.829,881	19,863	19,397	69	87	29.445	1.666,342	7.357,463	4,415	3,950
20	38	97.764	42.526,367	837.433,183	19,692	19,227	70	88	25.305	1.373,683	5.691,120	4,143	3,678
21	39	97.621	40.733,152	794.906,816	19,515	19,050	71	89	21.350	1.111,735	4.317,438	3,884	3,418
22	40	97.467	39.010,687	754.173,665	19,332	18,867	72	90	17.613	879,740	3.205,702	3,644	3,179
23	41	97.309	37.359,580	715.162,977	19,143	18,677	73	91	14.215	681,081	2.325,962	3,415	2,950
24	42	97.140	35.774,567	677.803,398	18,947	18,481	74	92	11.103	510,294	1.644,881	3,223	2,758
25	43	96.961	34.252,666	642.028,831	18,744	18,279	75	93	8.448	372,441	1.134,587	3,046	2,581
26	44	96.764	32.789,624	607.776,164	18,536	18,070	76	94	6.253	264,417	762,147	2,882	2,417
27	45	96.560	31.386,632	574.986,540	18,319	17,854	77	95	4.496	182,391	497,730	2,729	2,264
28	46	96.338	30.037,834	543.599,909	18,097	17,632	78	96	3.133	121,921	315,339	2,586	2,121
29	47	96.094	28.740,381	513.562,075	17,869	17,404	79	97	2.111	78,782	193,417	2,455	1,990
30	48	95.840	27.495,747	484.821,694	17,633	17,167	80	98	1.373	49,147	114,635	2,333	1,867
31	49	95.567	26.299,677	457.325,947	17,389	16,924	81	99	859	29,502	65,489	2,220	1,755
32	50	95.262	25.146,918	431.026,271	17,140	16,675	82	100	517	17,016	35,987	2,115	1,650
33	51	94.943	24.041,086	405.879,352	16,883	16,418	83	101	297	9,376	18,971	2,023	1,558
34	52	94.597	22.976,774	381.838,267	16,618	16,153	84	102	163	4,949	9,595	1,939	1,474
35	53	94.220	21.952,453	358.861,493	16,347	15,882	85	103	86	2,498	4,646	1,860	1,395
36	54	93.825	20.969,052	336.909,040	16,067	15,602	86	104	43	1,207	2,148	1,779	1,314
37	55	93.393	20.021,610	315.939,988	15,780	15,315	87	105	21	0,551	0,941	1,706	1,241
38	56	92.927	19.109,538	295.918,378	15,485	15,020	88	106					
39	57	92.426	18.231,743	276.808,840	15,183	14,718	89	107					
40	58	91.872	17.383,596	258.577,097	14,875	14,410	90	108					
41	59	91.272	16.566,033	241.193,502	14,560	14,094	91	109					
42	60	90.635	15.779,860	224.627,469	14,235	13,770	92	110					
43	61	89.938	15.020,040	208.847,609	13,905	13,439	93	111					
44	62	89.210	14.291,169	193.827,568	13,563	13,098	94	112					
45	63	88.411	13.585,743	179.536,399	13,215	12,750	95						
46	64	87.539	12.903,420	165.950,656	12,861	12,396	96						
47	65	86.604	12.245,163	153.047,237	12,499	12,033	97						
48	66	85.575	11.606,361	140.802,074	12,131	11,666	98						
49	67	84.454	10.987,332	129.195,713	11,759	11,293	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -19 Jahre

Zinsfuß 4,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	19	99.352	99.351,520	2.196.802,034	22,111	21,646	50	69	82.268	10.266,666	113.612,993	11,066	10,601
1	20	98.871	94.840,128	2.097.450,514	22,116	21,650	51	70	80.816	9.674,299	103.346,327	10,683	10,217
2	21	98.800	90.908,268	2.002.610,386	22,029	21,564	52	71	79.255	9.100,609	93.672,028	10,293	9,828
3	22	98.756	87.163,288	1.911.702,117	21,932	21,467	53	72	77.513	8.537,706	84.571,419	9,906	9,440
4	23	98.711	83.571,984	1.824.538,829	21,832	21,367	54	73	75.637	7.991,446	76.033,712	9,514	9,049
5	24	98.672	80.133,309	1.740.966,846	21,726	21,261	55	74	73.593	7.458,498	68.042,267	9,123	8,658
6	25	98.632	76.835,077	1.660.833,537	21,616	21,150	56	75	71.379	6.939,253	60.583,769	8,731	8,265
7	26	98.596	73.675,988	1.583.998,459	21,500	21,034	57	76	68.984	6.432,998	53.644,516	8,339	7,874
8	27	98.556	70.643,902	1.510.322,471	21,379	20,914	58	77	66.408	5.940,260	47.211,518	7,948	7,483
9	28	98.516	67.736,131	1.439.678,569	21,254	20,789	59	78	63.635	5.460,182	41.271,258	7,559	7,093
10	29	98.477	64.949,341	1.371.942,439	21,123	20,658	60	79	60.632	4.990,456	35.811,077	7,176	6,711
11	30	98.439	62.277,438	1.306.993,097	20,987	20,521	61	80	57.428	4.534,010	30.820,621	6,798	6,332
12	31	98.393	59.710,362	1.244.715,660	20,846	20,381	62	81	53.974	4.087,609	26.286,611	6,431	5,966
13	32	98.345	57.248,190	1.185.005,298	20,699	20,234	63	82	50.279	3.652,528	22.199,002	6,078	5,612
14	33	98.297	54.887,687	1.127.757,107	20,547	20,081	64	83	46.350	3.229,846	18.546,474	5,742	5,277
15	34	98.239	52.619,313	1.072.869,420	20,389	19,924	65	84	42.350	2.830,774	15.316,628	5,411	4,946
16	35	98.170	50.438,597	1.020.250,108	20,228	19,762	66	85	38.264	2.453,427	12.485,854	5,089	4,624
17	36	98.082	48.339,056	969.811,511	20,063	19,597	67	86	34.273	2.107,951	10.032,427	4,759	4,294
18	37	97.977	46.318,690	921.472,455	19,894	19,429	68	87	30.158	1.779,222	7.924,476	4,454	3,989
19	38	97.843	44.369,473	875.153,765	19,724	19,259	69	88	25.974	1.469,918	6.145,254	4,181	3,715
20	39	97.696	42.496,619	830.784,292	19,549	19,084	70	89	21.977	1.193,006	4.675,336	3,919	3,454
21	40	97.543	40.700,554	788.287,673	19,368	18,903	71	90	18.186	946,949	3.482,330	3,677	3,212
22	41	97.382	38.976,749	747.587,118	19,180	18,715	72	91	14.734	735,936	2.535,381	3,445	2,980
23	42	97.212	37.322,650	708.610,370	18,986	18,521	73	92	11.551	553,447	1.799,445	3,251	2,786
24	43	97.031	35.734,332	671.287,719	18,786	18,320	74	93	8.823	405,485	1.245,999	3,073	2,608
25	44	96.835	34.208,205	635.553,387	18,579	18,114	75	94	6.556	289,017	840,514	2,908	2,443
26	45	96.629	32.743,981	601.345,181	18,365	17,900	76	95	4.732	200,126	551,497	2,756	2,291
27	46	96.407	31.336,852	568.601,201	18,145	17,680	77	96	3.315	134,463	351,370	2,613	2,148
28	47	96.165	29.983,886	537.264,348	17,918	17,453	78	97	2.247	87,438	216,907	2,481	2,015
29	48	95.908	28.684,491	507.280,462	17,685	17,220	79	98	1.471	54,891	129,469	2,359	1,893
30	49	95.637	27.437,458	478.595,971	17,443	16,978	80	99	928	33,225	74,579	2,245	1,779
31	50	95.337	26.236,381	451.158,513	17,196	16,731	81	100	563	19,326	41,354	2,140	1,675
32	51	95.021	25.083,381	424.922,133	16,940	16,475	82	101	327	10,787	22,028	2,042	1,577
33	52	94.680	23.974,318	399.838,752	16,678	16,213	83	102	182	5,745	11,241	1,957	1,492
34	53	94.311	22.907,311	375.864,434	16,408	15,943	84	103	97	2,927	5,496	1,878	1,413
35	54	93.923	21.883,137	352.957,123	16,129	15,664	85	104	49	1,424	2,570	1,804	1,339
36	55	93.498	20.896,117	331.073,986	15,844	15,379	86	105	24	0,663	1,145	1,729	1,263
37	56	93.039	19.945,791	310.177,870	15,551	15,086	87	106					
38	57	92.554	19.032,818	290.232,079	15,249	14,784	88	107					
39	58	92.014	18.150,373	271.199,260	14,942	14,477	89	108					
40	59	91.429	17.299,883	253.048,887	14,627	14,162	90	109					
41	60	90.808	16.481,814	235.749,005	14,304	13,838	91	110					
42	61	90.137	15.693,004	219.267,190	13,972	13,507	92	111					
43	62	89.432	14.935,517	203.574,187	13,630	13,165	93	112					
44	63	88.649	14.201,237	188.638,669	13,283	12,818	94						
45	64	87.810	13.493,335	174.437,433	12,928	12,462	95						
46	65	86.899	12.809,059	160.944,098	12,565	12,100	96						
47	66	85.897	12.145,152	148.135,038	12,197	11,732	97						
48	67	84.800	11.501,247	135.989,887	11,824	11,359	98						
49	68	83.595	10.875,646	124.488,639	11,447	10,981	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -20 Jahre

Zinsfuß 4,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	20	99.324	99.323,980	2.189.343,482	22,042	21,577	50	70	81.219	10.135,682	108.859,734	10,740	10,275
1	21	98.840	94.810,172	2.090.019,503	22,044	21,579	51	71	79.668	9.536,793	98.724,052	10,352	9,887
2	22	98.776	90.886,026	1.995.209,331	21,953	21,488	52	72	77.970	8.953,067	89.187,258	9,962	9,496
3	23	98.729	87.139,689	1.904.323,305	21,854	21,388	53	73	76.115	8.383,779	80.234,191	9,570	9,105
4	24	98.685	83.550,179	1.817.183,616	21,750	21,284	54	74	74.096	7.828,641	71.850,412	9,178	8,713
5	25	98.645	80.111,539	1.733.633,436	21,640	21,175	55	75	71.918	7.288,730	64.021,771	8,784	8,318
6	26	98.607	76.816,171	1.653.521,898	21,526	21,060	56	76	69.529	6.759,335	56.733,041	8,393	7,928
7	27	98.568	73.655,362	1.576.705,727	21,407	20,941	57	77	66.987	6.246,773	49.973,706	8,000	7,535
8	28	98.527	70.623,314	1.503.050,365	21,283	20,817	58	78	64.247	5.747,008	43.726,933	7,609	7,143
9	29	98.486	67.716,025	1.432.427,051	21,153	20,688	59	79	61.276	5.257,816	37.979,924	7,224	6,758
10	30	98.448	64.930,330	1.364.711,026	21,018	20,553	60	80	58.082	4.780,526	32.722,109	6,845	6,380
11	31	98.407	62.257,047	1.299.780,696	20,878	20,412	61	81	54.630	4.313,139	27.941,582	6,478	6,013
12	32	98.357	59.689,033	1.237.523,649	20,733	20,268	62	82	50.965	3.859,750	23.628,444	6,122	5,657
13	33	98.310	57.227,834	1.177.834,616	20,581	20,116	63	83	47.030	3.416,486	19.768,694	5,786	5,321
14	34	98.258	54.865,755	1.120.606,782	20,425	19,959	64	84	43.029	2.998,402	16.352,208	5,454	4,988
15	35	98.193	52.594,644	1.065.741,026	20,263	19,798	65	85	38.946	2.603,289	13.353,805	5,130	4,664
16	36	98.120	50.412,774	1.013.146,383	20,097	19,632	66	86	34.942	2.240,409	10.750,516	4,798	4,333
17	37	98.027	48.311,722	962.733,608	19,928	19,462	67	87	30.818	1.895,440	8.510,108	4,490	4,025
18	38	97.917	46.290,287	914.421,886	19,754	19,289	68	88	26.603	1.569,492	6.614,668	4,215	3,749
19	39	97.774	44.338,436	868.131,600	19,580	19,114	69	89	22.558	1.276,584	5.045,177	3,952	3,487
20	40	97.618	42.462,611	823.793,164	19,400	18,935	70	90	18.719	1.016,173	3.768,593	3,709	3,243
21	41	97.458	40.665,146	781.330,553	19,214	18,749	71	91	15.213	792,159	2.752,420	3,475	3,009
22	42	97.286	38.938,221	740.665,407	19,022	18,556	72	92	11.973	598,021	1.960,261	3,278	2,813
23	43	97.103	37.280,674	701.727,186	18,823	18,358	73	93	9.179	439,774	1.362,240	3,098	2,632
24	44	96.905	35.687,949	664.446,512	18,618	18,153	74	94	6.847	314,660	922,465	2,932	2,466
25	45	96.700	34.160,587	628.758,563	18,406	17,941	75	95	4.962	218,746	607,806	2,779	2,313
26	46	96.476	32.692,049	594.597,976	18,188	17,723	76	96	3.489	147,538	389,060	2,637	2,172
27	47	96.234	31.280,572	561.905,927	17,963	17,498	77	97	2.377	96,432	241,522	2,505	2,039
28	48	95.978	29.925,578	530.625,356	17,731	17,266	78	98	1.566	60,922	145,090	2,382	1,916
29	49	95.704	28.623,682	500.699,777	17,493	17,027	79	99	994	37,108	84,168	2,268	1,803
30	50	95.407	27.371,423	472.076,096	17,247	16,782	80	100	608	21,765	47,060	2,162	1,697
31	51	95.096	26.170,091	444.704,672	16,993	16,528	81	101	357	12,251	25,296	2,065	1,600
32	52	94.757	25.013,719	418.534,581	16,732	16,267	82	102	201	6,609	13,044	1,974	1,508
33	53	94.393	23.901,838	393.520,863	16,464	15,999	83	103	108	3,397	6,435	1,894	1,429
34	54	94.013	22.834,980	369.619,024	16,187	15,721	84	104	55	1,669	3,038	1,820	1,355
35	55	93.596	21.807,022	346.784,044	15,902	15,437	85	105	27	0,782	1,369	1,752	1,286
36	56	93.144	20.816,986	324.977,022	15,611	15,146	86	106					
37	57	92.666	19.865,714	304.160,036	15,311	14,846	87	107					
38	58	92.141	18.947,873	284.294,322	15,004	14,539	88	108					
39	59	91.570	18.062,968	265.346,449	14,690	14,225	89	109					
40	60	90.965	17.211,934	247.283,481	14,367	13,902	90	110					
41	61	90.308	16.391,094	230.071,548	14,036	13,571	91	111					
42	62	89.629	15.604,694	213.680,453	13,693	13,228	92	112					
43	63	88.869	14.841,530	198.075,760	13,346	12,881	93						
44	64	88.046	14.104,642	183.234,230	12,991	12,526	94						
45	65	87.167	13.394,661	169.129,588	12,627	12,161	95						
46	66	86.190	12.704,443	155.734,927	12,258	11,793	96						
47	67	85.119	12.035,158	143.030,484	11,884	11,419	97						
48	68	83.938	11.384,337	130.995,326	11,507	11,041	98						
49	69	82.639	10.751,255	119.610,989	11,125	10,660	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -21 Jahre

Zinsfuß 4,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	21	99.293	99.292,607	2.181.508,127	21,970	21,505	50	71	80.064	9.991,619	103.957,430	10,404	9,939
1	22	98.815	94.786,975	2.082.215,520	21,967	21,502	51	72	78.376	9.382,180	93.965,811	10,015	9,550
2	23	98.749	90.861,419	1.987.428,545	21,873	21,408	52	73	76.564	8.791,652	84.583,631	9,621	9,156
3	24	98.703	87.116,954	1.896.567,125	21,770	21,305	53	74	74.565	8.212,982	75.791,979	9,228	8,763
4	25	98.658	83.527,480	1.809.450,171	21,663	21,198	54	75	72.409	7.650,448	67.578,997	8,833	8,368
5	26	98.621	80.091,826	1.725.922,691	21,549	21,084	55	76	70.053	7.099,751	59.928,550	8,441	7,976
6	27	98.580	76.794,665	1.645.830,865	21,432	20,966	56	77	67.516	6.563,663	52.828,798	8,049	7,583
7	28	98.539	73.633,897	1.569.036,200	21,309	20,843	57	78	64.808	6.043,550	46.265,135	7,655	7,190
8	29	98.498	70.602,351	1.495.402,303	21,181	20,715	58	79	61.866	5.534,012	40.221,585	7,268	6,803
9	30	98.458	67.696,204	1.424.799,952	21,047	20,582	59	80	58.699	5.036,640	34.687,573	6,887	6,422
10	31	98.416	64.909,071	1.357.103,748	20,908	20,443	60	81	55.252	4.547,646	29.650,933	6,520	6,055
11	32	98.372	62.234,808	1.292.194,677	20,763	20,298	61	82	51.585	4.072,707	25.103,287	6,164	5,699
12	33	98.322	59.667,809	1.229.959,869	20,613	20,148	62	83	47.672	3.610,317	21.030,580	5,825	5,360
13	34	98.270	57.204,967	1.170.292,060	20,458	19,993	63	84	43.660	3.171,668	17.420,263	5,492	5,027
14	35	98.212	54.840,033	1.113.087,092	20,297	19,832	64	85	39.571	2.757,446	14.248,595	5,167	4,702
15	36	98.143	52.567,717	1.058.247,059	20,131	19,666	65	86	35.565	2.377,259	11.491,149	4,834	4,369
16	37	98.065	50.384,268	1.005.679,342	19,960	19,495	66	87	31.419	2.014,543	9.113,890	4,524	4,059
17	38	97.967	48.282,096	955.295,074	19,786	19,320	67	88	27.185	1.672,010	7.099,347	4,246	3,781
18	39	97.849	46.257,906	907.012,977	19,608	19,143	68	89	23.104	1.363,061	5.427,337	3,982	3,517
19	40	97.696	44.302,954	860.755,071	19,429	18,964	69	90	19.214	1.087,362	4.064,276	3,738	3,273
20	41	97.533	42.425,669	816.452,118	19,244	18,779	70	91	15.660	850,068	2.976,914	3,502	3,037
21	42	97.362	40.624,949	774.026,449	19,053	18,588	71	92	12.362	643,708	2.126,846	3,304	2,839
22	43	97.176	38.894,428	733.401,500	18,856	18,391	72	93	9.514	475,194	1.483,138	3,121	2,656
23	44	96.977	37.232,283	694.507,072	18,653	18,188	73	94	7.123	341,269	1.007,944	2,954	2,488
24	45	96.770	35.638,271	657.274,789	18,443	17,978	74	95	5.182	238,153	666,675	2,799	2,334
25	46	96.547	34.106,408	621.636,518	18,226	17,761	75	96	3.658	161,264	428,522	2,657	2,192
26	47	96.303	32.633,334	587.530,110	18,004	17,539	76	97	2.502	105,809	267,258	2,526	2,061
27	48	96.047	31.219,742	554.896,775	17,774	17,309	77	98	1.656	67,189	161,449	2,403	1,938
28	49	95.775	29.862,138	523.677,033	17,536	17,071	78	99	1.058	41,185	94,260	2,289	1,823
29	50	95.474	28.554,793	493.814,895	17,294	16,828	79	100	651	24,308	53,075	2,183	1,718
30	51	95.166	27.302,266	465.260,102	17,041	16,576	80	101	385	13,798	28,767	2,085	1,620
31	52	94.832	26.097,410	437.957,837	16,782	16,316	81	102	219	7,507	14,969	1,994	1,529
32	53	94.471	24.938,097	411.860,426	16,515	16,050	82	103	119	3,909	7,463	1,909	1,444
33	54	94.095	23.826,367	386.922,329	16,239	15,774	83	104	61	1,937	3,554	1,835	1,370
34	55	93.686	22.755,554	363.095,962	15,956	15,491	84	105	30	0,916	1,617	1,766	1,301
35	56	93.242	21.724,442	340.340,408	15,666	15,201	85	106					
36	57	92.770	20.733,411	318.615,965	15,367	14,902	86	107					
37	58	92.252	19.777,051	297.882,554	15,062	14,597	87	108					
38	59	91.697	18.856,627	278.105,502	14,748	14,283	88	109					
39	60	91.105	17.971,139	259.248,875	14,426	13,961	89	110					
40	61	90.464	17.117,195	241.277,736	14,096	13,630	90	111					
41	62	89.800	16.298,856	224.160,541	13,753	13,288	91	112					
42	63	89.065	15.506,495	207.861,685	13,405	12,940	92						
43	64	88.264	14.740,580	192.355,190	13,049	12,584	93						
44	65	87.402	14.001,497	177.614,610	12,685	12,220	94						
45	66	86.456	13.285,261	163.613,112	12,315	11,850	95						
46	67	85.409	12.589,384	150.327,851	11,941	11,476	96						
47	68	84.254	11.912,821	137.738,467	11,562	11,097	97						
48	69	82.978	11.254,128	125.825,646	11,180	10,715	98						
49	70	81.585	10.614,089	114.571,518	10,794	10,329	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -22 Jahre

Zinsfuß 4,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	22	99.268	99.268,313	2.173.286,474	21,893	21,428	50	72	78.766	9.829,632	98.916,326	10,063	9,598
1	23	98.789	94.761,312	2.074.018,160	21,887	21,422	51	73	76.963	9.213,028	89.086,694	9,670	9,204
2	24	98.723	90.837,713	1.979.256,848	21,789	21,324	52	74	75.004	8.612,545	79.873,666	9,274	8,809
3	25	98.676	87.093,286	1.888.419,135	21,683	21,217	53	75	72.867	8.026,040	71.261,121	8,879	8,414
4	26	98.634	83.506,927	1.801.325,849	21,571	21,106	54	76	70.532	7.452,091	63.235,081	8,486	8,020
5	27	98.593	80.069,403	1.717.818,922	21,454	20,989	55	77	68.025	6.894,225	55.782,990	8,091	7,626
6	28	98.551	76.772,285	1.637.749,518	21,333	20,867	56	78	65.319	6.350,131	48.888,765	7,699	7,234
7	29	98.510	73.612,040	1.560.977,233	21,205	20,740	57	79	62.406	5.819,563	42.538,634	7,310	6,844
8	30	98.469	70.581,685	1.487.365,193	21,073	20,608	58	80	59.264	5.301,218	36.719,071	6,927	6,461
9	31	98.425	67.674,039	1.416.783,508	20,935	20,470	59	81	55.839	4.791,283	31.417,854	6,557	6,092
10	32	98.381	64.885,885	1.349.109,468	20,792	20,327	60	82	52.172	4.294,143	26.626,571	6,201	5,735
11	33	98.337	62.212,679	1.284.223,584	20,642	20,177	61	83	48.251	3.809,512	22.332,428	5,862	5,397
12	34	98.283	59.643,967	1.222.010,905	20,488	20,023	62	84	44.256	3.351,609	18.522,916	5,527	5,061
13	35	98.224	57.178,148	1.162.366,937	20,329	19,864	63	85	40.151	2.916,788	15.171,307	5,201	4,736
14	36	98.161	54.811,958	1.105.188,789	20,163	19,698	64	86	36.135	2.518,032	12.254,519	4,867	4,401
15	37	98.088	52.537,992	1.050.376,831	19,993	19,527	65	87	31.979	2.137,597	9.736,487	4,555	4,090
16	38	98.004	50.353,371	997.838,839	19,817	19,352	66	88	27.716	1.777,074	7.598,890	4,276	3,811
17	39	97.898	48.248,322	947.485,467	19,638	19,172	67	89	23.610	1.452,095	5.821,816	4,009	3,544
18	40	97.770	46.220,888	899.237,145	19,455	18,990	68	90	19.679	1.161,022	4.369,721	3,764	3,298
19	41	97.611	44.264,411	853.016,257	19,271	18,806	69	91	16.073	909,620	3.208,700	3,528	3,062
20	42	97.436	42.383,732	808.751,846	19,082	18,616	70	92	12.725	690,765	2.299,080	3,328	2,863
21	43	97.253	40.579,259	766.368,115	18,886	18,420	71	93	9.823	511,497	1.608,315	3,144	2,679
22	44	97.050	38.843,942	725.788,856	18,685	18,220	72	94	7.383	368,755	1.096,818	2,974	2,509
23	45	96.842	37.180,456	686.944,913	18,476	18,011	73	95	5.391	258,292	728,063	2,819	2,354
24	46	96.617	35.581,748	649.764,458	18,261	17,796	74	96	3.820	175,572	469,770	2,676	2,210
25	47	96.373	34.045,154	614.182,710	18,040	17,575	75	97	2.623	115,653	294,198	2,544	2,079
26	48	96.116	32.569,874	580.137,556	17,812	17,347	76	98	1.743	73,722	178,545	2,422	1,957
27	49	95.843	31.153,558	547.567,682	17,576	17,111	77	99	1.120	45,421	104,823	2,308	1,843
28	50	95.544	29.790,268	516.414,123	17,335	16,870	78	100	693	26,979	59,402	2,202	1,737
29	51	95.233	28.482,645	486.623,855	17,085	16,620	79	101	413	15,410	32,423	2,104	1,639
30	52	94.901	27.226,441	458.141,210	16,827	16,362	80	102	236	8,454	17,013	2,012	1,547
31	53	94.545	26.018,512	430.914,769	16,562	16,097	81	103	129	4,439	8,559	1,928	1,463
32	54	94.172	24.859,354	404.896,257	16,287	15,822	82	104	68	2,228	4,119	1,849	1,383
33	55	93.768	23.743,493	380.036,903	16,006	15,541	83	105	34	1,063	1,891	1,779	1,314
34	56	93.331	22.669,382	356.293,409	15,717	15,252	84	106					
35	57	92.868	21.637,225	333.624,027	15,419	14,954	85	107					
36	58	92.356	20.640,876	311.986,802	15,115	14,650	86	108					
37	59	91.808	19.681,813	291.345,926	14,803	14,338	87	109					
38	60	91.231	18.760,764	271.664,113	14,480	14,015	88	110					
39	61	90.604	17.872,222	252.903,349	14,151	13,685	89	111					
40	62	89.955	17.020,870	235.031,127	13,808	13,343	90	112					
41	63	89.235	16.196,289	218.010,257	13,461	12,995	91						
42	64	88.459	15.401,022	201.813,968	13,104	12,639	92						
43	65	87.619	14.632,785	186.412,946	12,739	12,274	93						
44	66	86.688	13.887,142	171.780,161	12,370	11,905	94						
45	67	85.673	13.164,942	157.893,019	11,993	11,528	95						
46	68	84.541	12.461,413	144.728,077	11,614	11,149	96						
47	69	83.290	11.776,567	132.266,663	11,231	10,766	97						
48	70	81.919	11.110,546	120.490,096	10,845	10,379	98						
49	71	80.425	10.463,225	109.379,550	10,454	9,988	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -23 Jahre

Zinsfuß 4,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	23	99.241	99.241,437	2.164.657,261	21,812	21,347	50	73	77.346	9.652,412	93.752,268	9,713	9,248
1	24	98.763	94.736,588	2.065.415,824	21,802	21,336	51	74	75.395	9.025,337	84.099,856	9,318	8,853
2	25	98.696	90.813,034	1.970.679,235	21,700	21,235	52	75	73.297	8.416,509	75.074,520	8,920	8,455
3	26	98.652	87.071,855	1.879.866,201	21,590	21,125	53	76	70.978	7.817,945	66.658,011	8,526	8,061
4	27	98.606	83.483,548	1.792.794,346	21,475	21,010	54	77	68.490	7.236,365	58.840,066	8,131	7,666
5	28	98.564	80.046,069	1.709.310,797	21,354	20,889	55	78	65.812	6.669,939	51.603,701	7,737	7,272
6	29	98.522	76.749,497	1.629.264,728	21,228	20,763	56	79	62.899	6.114,782	44.933,762	7,348	6,883
7	30	98.481	73.590,494	1.552.515,231	21,097	20,631	57	80	59.781	5.574,757	38.818,981	6,963	6,498
8	31	98.437	70.558,576	1.478.924,737	20,960	20,495	58	81	56.377	5.042,972	33.244,224	6,592	6,127
9	32	98.390	67.649,866	1.408.366,162	20,818	20,353	59	82	52.727	4.524,198	28.201,252	6,233	5,768
10	33	98.346	64.862,813	1.340.716,296	20,670	20,205	60	83	48.801	4.016,637	23.677,054	5,895	5,430
11	34	98.297	62.187,820	1.275.853,484	20,516	20,051	61	84	44.794	3.536,531	19.660,417	5,559	5,094
12	35	98.237	59.616,005	1.213.665,663	20,358	19,893	62	85	40.699	3.082,269	16.123,886	5,231	4,766
13	36	98.174	57.148,876	1.154.049,658	20,194	19,729	63	86	36.665	2.663,539	13.041,617	4,896	4,431
14	37	98.106	54.780,964	1.096.900,782	20,023	19,558	64	87	32.492	2.264,178	10.378,079	4,584	4,118
15	38	98.028	52.505,775	1.042.119,819	19,848	19,382	65	88	28.210	1.885,622	8.113,901	4,303	3,838
16	39	97.936	50.318,149	989.614,044	19,667	19,202	66	89	24.070	1.543,340	6.228,278	4,036	3,570
17	40	97.820	48.209,711	939.295,895	19,484	19,018	67	90	20.110	1.236,859	4.684,938	3,788	3,323
18	41	97.685	46.180,676	891.086,184	19,296	18,830	68	91	16.463	971,239	3.448,079	3,550	3,085
19	42	97.515	44.220,656	844.905,508	19,107	18,641	69	92	13.061	739,157	2.476,841	3,351	2,886
20	43	97.327	42.336,064	800.684,852	18,913	18,447	70	93	10.111	548,889	1.737,683	3,166	2,701
21	44	97.126	40.526,586	758.348,787	18,712	18,247	71	94	7.623	396,926	1.188,795	2,995	2,530
22	45	96.915	38.789,871	717.822,201	18,505	18,040	72	95	5.588	279,096	791,868	2,837	2,372
23	46	96.689	37.121,487	679.032,330	18,292	17,827	73	96	3.974	190,419	512,773	2,693	2,228
24	47	96.443	35.517,844	641.910,843	18,073	17,608	74	97	2.740	125,914	322,354	2,560	2,095
25	48	96.186	33.978,948	606.392,999	17,846	17,381	75	98	1.828	80,581	196,439	2,438	1,973
26	49	95.912	32.500,828	572.414,051	17,612	17,147	76	99	1.179	49,838	115,859	2,325	1,859
27	50	95.613	31.078,580	539.913,223	17,373	16,907	77	100	734	29,754	66,021	2,219	1,754
28	51	95.303	29.714,999	508.834,643	17,124	16,659	78	101	440	17,103	36,266	2,120	1,655
29	52	94.968	28.403,542	479.119,643	16,868	16,403	79	102	253	9,442	19,163	2,030	1,564
30	53	94.615	27.144,130	450.716,101	16,605	16,139	80	103	140	5,000	9,721	1,944	1,479
31	54	94.247	25.936,358	423.571,972	16,331	15,866	81	104	74	2,531	4,721	1,866	1,400
32	55	93.845	24.772,887	397.635,614	16,051	15,586	82	105	37	1,223	2,191	1,791	1,326
33	56	93.413	23.653,580	372.862,727	15,763	15,298	83	106					
34	57	92.956	22.578,371	349.209,146	15,467	15,001	84	107					
35	58	92.453	21.540,656	326.630,775	15,163	14,698	85	108					
36	59	91.912	20.541,478	305.090,119	14,852	14,387	86	109					
37	60	91.341	19.581,754	284.548,642	14,531	14,066	87	110					
38	61	90.729	18.657,500	264.966,887	14,202	13,736	88	111					
39	62	90.094	17.771,648	246.309,387	13,860	13,394	89	112					
40	63	89.389	16.913,760	228.537,738	13,512	13,047	90						
41	64	88.628	16.086,124	211.623,979	13,156	12,690	91						
42	65	87.813	15.288,398	195.537,854	12,790	12,325	92						
43	66	86.903	14.513,274	180.249,457	12,420	11,954	93						
44	67	85.903	13.761,372	165.736,183	12,044	11,578	94						
45	68	84.802	13.031,121	151.974,811	11,662	11,197	95						
46	69	83.574	12.318,885	138.943,691	11,279	10,814	96						
47	70	82.228	11.626,320	126.624,806	10,891	10,426	97						
48	71	80.755	10.952,626	114.998,486	10,500	10,034	98						
49	72	79.121	10.293,592	104.045,861	10,108	9,643	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -24 Jahre

Zinsfuß 4,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	24	99.216	99.215,545	2.155.608,442	21,727	21,261	50	74	75.770	9.455,770	88.479,051	9,357	8,892
1	25	98.736	94.710,851	2.056.392,897	21,712	21,247	51	75	73.679	8.819,904	79.023,281	8,960	8,494
2	26	98.672	90.790,688	1.961.682,046	21,607	21,141	52	76	71.397	8.198,289	70.203,376	8,563	8,098
3	27	98.624	87.047,479	1.870.891,358	21,493	21,028	53	77	68.923	7.591,628	62.005,087	8,168	7,702
4	28	98.578	83.459,219	1.783.843,879	21,374	20,909	54	78	66.262	7.000,948	54.413,458	7,772	7,307
5	29	98.535	80.022,309	1.700.384,660	21,249	20,784	55	79	63.373	6.422,737	47.412,511	7,382	6,917
6	30	98.493	76.727,032	1.620.362,351	21,119	20,653	56	80	60.253	5.857,556	40.989,774	6,998	6,533
7	31	98.449	73.566,399	1.543.635,319	20,983	20,518	57	81	56.869	5.303,186	35.132,218	6,625	6,160
8	32	98.402	70.533,371	1.470.068,920	20,842	20,377	58	82	53.234	4.761,857	29.829,032	6,264	5,799
9	33	98.355	67.625,811	1.399.535,549	20,695	20,230	59	83	49.319	4.231,826	25.067,175	5,923	5,458
10	34	98.307	64.836,895	1.331.909,738	20,542	20,077	60	84	45.304	3.728,813	20.835,349	5,588	5,122
11	35	98.251	62.158,665	1.267.072,843	20,384	19,919	61	85	41.194	3.252,330	17.106,535	5,260	4,795
12	36	98.187	59.585,484	1.204.914,177	20,222	19,756	62	86	37.166	2.814,652	13.854,206	4,922	4,457
13	37	98.118	57.116,560	1.145.328,693	20,052	19,587	63	87	32.969	2.395,016	11.039,554	4,609	4,144
14	38	98.046	54.747,371	1.088.212,133	19,877	19,412	64	88	28.662	1.997,282	8.644,538	4,328	3,863
15	39	97.959	52.469,047	1.033.464,762	19,697	19,231	65	89	24.499	1.637,612	6.647,256	4,059	3,594
16	40	97.857	50.277,881	980.995,715	19,511	19,046	66	90	20.503	1.314,579	5.009,644	3,811	3,346
17	41	97.735	48.167,769	930.717,834	19,322	18,857	67	91	16.823	1.034,679	3.695,065	3,571	3,106
18	42	97.589	46.135,027	882.550,065	19,130	18,664	68	92	13.378	789,229	2.660,386	3,371	2,906
19	43	97.405	44.170,922	836.415,037	18,936	18,471	69	93	10.379	587,342	1.871,157	3,186	2,721
20	44	97.200	42.281,111	792.244,115	18,738	18,272	70	94	7.846	425,943	1.283,816	3,014	2,549
21	45	96.991	40.470,173	749.963,004	18,531	18,066	71	95	5.769	300,417	857,873	2,856	2,390
22	46	96.761	38.728,350	709.492,831	18,320	17,855	72	96	4.119	205,756	557,456	2,709	2,244
23	47	96.515	37.054,818	670.764,481	18,102	17,637	73	97	2.850	136,562	351,700	2,575	2,110
24	48	96.256	35.448,774	633.709,663	17,877	17,412	74	98	1.909	87,730	215,138	2,452	1,987
25	49	95.982	33.906,915	598.260,889	17,644	17,179	75	99	1.236	54,475	127,408	2,339	1,874
26	50	95.681	32.422,608	564.353,974	17,406	16,941	76	100	772	32,648	72,933	2,234	1,769
27	51	95.371	31.000,056	531.931,366	17,159	16,694	77	101	465	18,863	40,285	2,136	1,670
28	52	95.038	29.632,473	500.931,310	16,905	16,440	78	102	269	10,479	21,423	2,044	1,579
29	53	94.681	28.317,672	471.298,837	16,643	16,178	79	103	150	5,584	10,943	1,960	1,495
30	54	94.316	27.058,421	442.981,164	16,371	15,906	80	104	80	2,850	5,359	1,880	1,415
31	55	93.919	25.846,145	415.922,743	16,092	15,627	81	105	40	1,389	2,509	1,806	1,341
32	56	93.490	24.679,076	390.076,598	15,806	15,341	82	106					
33	57	93.038	23.558,618	365.397,523	15,510	15,045	83	107					
34	58	92.541	22.477,602	341.838,905	15,208	14,743	84	108					
35	59	92.008	21.436,924	319.361,303	14,898	14,433	85	109					
36	60	91.444	20.437,049	297.924,379	14,578	14,112	86	110					
37	61	90.838	19.473,972	277.487,330	14,249	13,784	87	111					
38	62	90.218	18.552,508	258.013,358	13,907	13,442	88	112					
39	63	89.527	17.659,813	239.460,850	13,560	13,094	89						
40	64	88.781	16.798,715	221.801,037	13,203	12,738	90						
41	65	87.980	15.968,489	205.002,322	12,838	12,373	91						
42	66	87.095	15.163,531	189.033,832	12,466	12,001	92						
43	67	86.116	14.381,833	173.870,301	12,090	11,624	93						
44	68	85.030	13.621,488	159.488,468	11,709	11,243	94						
45	69	83.832	12.882,076	145.866,980	11,323	10,858	95						
46	70	82.508	12.161,718	132.984,904	10,935	10,469	96						
47	71	81.059	11.461,068	120.823,186	10,542	10,077	97						
48	72	79.446	10.775,059	109.362,117	10,150	9,684	98						
49	73	77.695	10.108,008	98.587,058	9,753	9,288	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -25 Jahre

Zinsfuß 4,25%

Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	25	99.189	99.188,590	2.146.123,732	21,637	21,172	50	75	74.046	9.240,540	83.115,487	8,995	8,529
1	26	98.712	94.687,545	2.046.935,142	21,618	21,153	51	76	71.769	8.591,226	73.874,947	8,599	8,134
2	27	98.644	90.765,271	1.952.247,596	21,509	21,044	52	77	69.330	7.960,962	65.283,720	8,200	7,735
3	28	98.596	87.022,110	1.861.482,326	21,391	20,926	53	78	66.681	7.344,654	57.322,758	7,805	7,339
4	29	98.548	83.434,446	1.774.460,215	21,268	20,802	54	79	63.806	6.741,478	49.978,104	7,414	6,948
5	30	98.506	79.998,886	1.691.025,769	21,138	20,673	55	80	60.707	6.152,557	43.236,626	7,027	6,562
6	31	98.461	76.701,910	1.611.026,883	21,004	20,539	56	81	57.317	5.572,209	37.084,070	6,655	6,190
7	32	98.414	73.540,120	1.534.324,972	20,864	20,399	57	82	53.699	5.007,566	31.511,861	6,293	5,828
8	33	98.367	70.508,291	1.460.784,852	20,718	20,253	58	83	49.794	4.454,126	26.504,295	5,951	5,485
9	34	98.316	67.598,789	1.390.276,561	20,567	20,101	59	84	45.785	3.928,582	22.050,168	5,613	5,148
10	35	98.261	64.806,498	1.322.677,771	20,410	19,944	60	85	41.663	3.429,160	18.121,586	5,285	4,819
11	36	98.201	62.126,843	1.257.871,273	20,247	19,782	61	86	37.617	2.969,947	14.692,426	4,947	4,482
12	37	98.131	59.551,791	1.195.744,430	20,079	19,614	62	87	33.419	2.530,894	11.722,479	4,632	4,167
13	38	98.058	57.081,535	1.136.192,639	19,905	19,440	63	88	29.082	2.112,697	9.191,585	4,351	3,885
14	39	97.977	54.709,074	1.079.111,104	19,725	19,259	64	89	24.892	1.734,585	7.078,888	4,081	3,616
15	40	97.881	52.427,058	1.024.402,029	19,540	19,074	65	90	20.868	1.394,877	5.344,302	3,831	3,366
16	41	97.772	50.234,140	971.974,971	19,349	18,884	66	91	17.151	1.099,695	3.949,425	3,591	3,126
17	42	97.638	48.120,156	921.740,831	19,155	18,690	67	92	13.670	840,780	2.849,730	3,389	2,924
18	43	97.479	46.083,141	873.620,675	18,957	18,492	68	93	10.630	627,129	2.008,949	3,203	2,738
19	44	97.279	44.113,588	827.537,534	18,759	18,294	69	94	8.054	455,783	1.381,820	3,032	2,567
20	45	97.065	42.222,255	783.423,947	18,555	18,090	70	95	5.939	322,379	926,038	2,873	2,407
21	46	96.837	40.405,987	741.201,692	18,344	17,879	71	96	4.253	221,475	603,659	2,726	2,260
22	47	96.588	38.658,795	700.795,705	18,128	17,662	72	97	2.954	147,561	382,184	2,590	2,125
23	48	96.327	36.982,759	662.136,910	17,904	17,439	73	98	1.986	95,149	234,623	2,466	2,001
24	49	96.052	35.373,625	625.154,151	17,673	17,208	74	99	1.290	59,308	139,475	2,352	1,886
25	50	95.751	33.825,310	589.780,526	17,436	16,971	75	100	809	35,685	80,167	2,247	1,781
26	51	95.439	32.340,688	555.955,215	17,191	16,725	76	101	489	20,697	44,482	2,149	1,684
27	52	95.106	30.913,962	523.614,528	16,938	16,473	77	102	285	11,557	23,785	2,058	1,593
28	53	94.751	29.542,888	492.700,566	16,677	16,212	78	103	159	6,197	12,228	1,973	1,508
29	54	94.382	28.228,258	463.157,677	16,408	15,942	79	104	85	3,183	6,030	1,894	1,429
30	55	93.988	26.964,305	434.929,419	16,130	15,665	80	105	44	1,564	2,847	1,820	1,354
31	56	93.563	25.748,269	407.965,114	15,844	15,379	81	106					
32	57	93.114	24.579,996	382.216,845	15,550	15,085	82	107					
33	58	92.623	23.453,473	357.636,849	15,249	14,784	83	108					
34	59	92.096	22.369,358	334.183,375	14,939	14,474	84	109					
35	60	91.540	21.327,943	311.814,017	14,620	14,155	85	110					
36	61	90.941	20.324,559	290.486,074	14,292	13,827	86	111					
37	62	90.327	19.364,385	270.161,515	13,951	13,486	87	112					
38	63	89.650	18.435,759	250.797,131	13,604	13,139	88						
39	64	88.918	17.539,694	232.361,372	13,248	12,783	89						
40	65	88.131	16.675,869	214.821,677	12,882	12,417	90						
41	66	87.261	15.838,069	198.145,808	12,511	12,046	91						
42	67	86.307	15.026,202	182.307,739	12,133	11,667	92						
43	68	85.241	14.235,642	167.281,538	11,751	11,286	93						
44	69	84.057	13.465,691	153.045,896	11,366	10,900	94						
45	70	82.762	12.717,724	139.580,205	10,975	10,510	95						
46	71	81.335	11.988,857	126.862,481	10,582	10,116	96						
47	72	79.745	11.275,259	114.873,623	10,188	9,723	97						
48	73	78.013	10.580,794	103.598,365	9,791	9,326	98						
49	74	76.112	9.902,084	93.017,571	9,394	8,929	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 1 Jahr

Zinsfuß 4,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	49	91.859	11.463,533	173.432,206	15,129	14,664
1	0	99.544	95.485,630	2.183.521,252	22,868	22,402	51	50	91.184	10.915,372	161.968,672	14,839	14,373
2	1	99.126	91.208,296	2.088.035,621	22,893	22,428	52	51	90.482	10.389,818	151.053,301	14,539	14,073
3	2	99.070	87.441,030	1.996.827,325	22,836	22,371	53	52	89.702	9.880,285	140.663,483	14,237	13,772
4	3	99.033	83.844,407	1.909.386,295	22,773	22,308	54	53	88.868	9.389,448	130.783,198	13,929	13,464
5	4	99.002	80.401,701	1.825.541,888	22,705	22,240	55	54	87.986	8.917,263	121.393,750	13,613	13,148
6	5	98.976	77.103,413	1.745.140,187	22,634	22,169	56	55	87.024	8.460,172	112.476,487	13,295	12,830
7	6	98.952	73.941,821	1.668.036,775	22,559	22,094	57	56	86.015	8.021,229	104.016,315	12,968	12,502
8	7	98.930	70.912,113	1.594.094,954	22,480	22,015	58	57	84.929	7.597,025	95.995,086	12,636	12,171
9	8	98.910	68.007,201	1.523.182,840	22,397	21,932	59	58	83.744	7.185,652	88.398,062	12,302	11,837
10	9	98.891	65.222,359	1.455.175,639	22,311	21,846	60	59	82.465	6.787,417	81.212,410	11,965	11,500
11	10	98.875	62.553,493	1.389.953,281	22,220	21,755	61	60	81.122	6.404,686	74.424,993	11,620	11,155
12	11	98.853	59.989,636	1.327.399,788	22,127	21,662	62	61	79.706	6.036,382	68.020,307	11,268	10,803
13	12	98.831	57.531,105	1.267.410,152	22,030	21,565	63	62	78.190	5.680,155	61.983,926	10,912	10,447
14	13	98.809	55.173,871	1.209.879,046	21,928	21,463	64	63	76.575	5.336,061	56.303,771	10,552	10,086
15	14	98.782	52.909,685	1.154.705,175	21,824	21,359	65	64	74.854	5.003,478	50.967,710	10,186	9,721
16	15	98.747	50.734,811	1.101.795,490	21,717	21,252	66	65	73.005	4.680,962	45.964,231	9,819	9,354
17	16	98.691	48.639,154	1.051.060,679	21,609	21,144	67	66	71.024	4.368,244	41.283,269	9,451	8,986
18	17	98.620	46.622,739	1.002.421,525	21,501	21,035	68	67	68.873	4.063,273	36.915,025	9,085	8,620
19	18	98.524	44.678,298	955.798,786	21,393	20,928	69	68	66.561	3.766,802	32.851,752	8,721	8,256
20	19	98.416	42.810,048	911.120,488	21,283	20,818	70	69	64.105	3.479,929	29.084,951	8,358	7,893
21	20	98.314	41.022,199	868.310,441	21,167	20,702	71	70	61.483	3.201,493	25.605,022	7,998	7,533
22	21	98.206	39.306,558	827.288,242	21,047	20,582	72	71	58.700	2.931,995	22.403,528	7,641	7,176
23	22	98.108	37.666,487	787.981,683	20,920	20,455	73	72	55.716	2.669,461	19.471,534	7,294	6,829
24	23	98.009	36.094,367	750.315,196	20,788	20,322	74	73	52.589	2.416,945	16.802,073	6,952	6,487
25	24	97.912	34.588,746	714.220,829	20,649	20,184	75	74	49.330	2.174,756	14.385,128	6,615	6,149
26	25	97.814	33.145,377	679.632,083	20,505	20,039	76	75	45.979	1.944,358	12.210,371	6,280	5,815
27	26	97.720	31.763,570	646.486,706	20,353	19,888	77	76	42.552	1.726,105	10.266,013	5,948	5,482
28	27	97.623	30.438,339	614.723,136	20,196	19,730	78	77	39.059	1.519,800	8.539,908	5,619	5,154
29	28	97.522	29.167,484	584.284,796	20,032	19,567	79	78	35.494	1.324,798	7.020,108	5,299	4,834
30	29	97.425	27.950,424	555.117,313	19,861	19,396	80	79	31.903	1.142,202	5.695,310	4,986	4,521
31	30	97.325	26.783,530	527.166,888	19,683	19,217	81	80	28.289	971,547	4.553,108	4,686	4,221
32	31	97.217	25.662,942	500.383,358	19,498	19,033	82	81	24.702	813,752	3.581,561	4,401	3,936
33	32	97.102	24.587,777	474.720,417	19,307	18,842	83	82	21.136	667,881	2.767,809	4,144	3,679
34	33	96.983	23.556,330	450.132,639	19,109	18,644	84	83	17.755	538,191	2.099,928	3,902	3,437
35	34	96.851	22.565,398	426.576,310	18,904	18,439	85	84	14.665	426,412	1.561,737	3,663	3,197
36	35	96.705	21.612,677	404.010,912	18,693	18,228	86	85	11.920	332,446	1.135,325	3,415	2,950
37	36	96.546	20.697,580	382.398,235	18,476	18,010	87	86	9.443	252,631	802,879	3,178	2,713
38	37	96.375	19.818,595	361.700,655	18,251	17,785	88	87	7.216	185,178	550,248	2,971	2,506
39	38	96.183	18.972,805	341.882,060	18,020	17,554	89	88	5.312	130,758	365,070	2,792	2,327
40	39	95.968	18.158,572	322.909,255	17,783	17,318	90	89	3.784	89,345	234,312	2,623	2,157
41	40	95.726	17.374,382	304.750,683	17,540	17,075	91	90	2.598	58,837	144,967	2,464	1,999
42	41	95.461	16.619,942	287.376,301	17,291	16,826	92	91	1.711	37,170	86,130	2,317	1,852
43	42	95.156	15.891,504	270.756,360	17,038	16,573	93	92	1.071	22,312	48,960	2,194	1,729
44	43	94.814	15.188,811	254.864,855	16,780	16,315	94	93	640	12,795	26,648	2,083	1,618
45	44	94.436	14.511,654	239.676,044	16,516	16,051	95	94	365	6,992	13,853	1,981	1,516
46	45	94.015	13.857,902	225.164,389	16,248	15,783	96	95	197	3,632	6,862	1,889	1,424
47	46	93.547	13.226,821	211.306,487	15,976	15,510	97	96	101	1,789	3,230	1,806	1,341
48	47	93.029	12.617,343	198.079,666	15,699	15,234	98	97	49	0,833	1,441	1,730	1,265
49	48	92.469	12.030,117	185.462,323	15,417	14,951	99	98	23	0,366	0,608	1,661	1,196
							100	99	10	0,151	0,242	1,598	1,133

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 2 Jahre

Zinsfuß 4,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	48	92.054	11.487,887	174.873,395	15,222	14,757
1							51	49	91.404	10.941,705	163.385,508	14,932	14,467
2	0	99.504	91.555,928	2.090.354,669	22,831	22,366	52	50	90.711	10.416,136	152.443,803	14,635	14,170
3	1	99.106	87.472,358	1.998.798,740	22,851	22,385	53	51	89.952	9.907,801	142.027,667	14,335	13,870
4	2	99.052	83.860,987	1.911.326,383	22,792	22,326	54	52	89.138	9.417,920	132.119,866	14,029	13,563
5	3	99.019	80.415,504	1.827.465,395	22,725	22,260	55	53	88.265	8.945,509	122.701,946	13,717	13,251
6	4	98.989	77.113,372	1.747.049,892	22,656	22,190	56	54	87.328	8.489,701	113.756,437	13,399	12,934
7	5	98.964	73.951,488	1.669.936,519	22,582	22,116	57	55	86.342	8.051,719	105.266,736	13,074	12,609
8	6	98.939	70.918,648	1.595.985,031	22,504	22,039	58	56	85.271	7.627,648	97.215,017	12,745	12,280
9	7	98.918	68.013,124	1.525.066,383	22,423	21,958	59	57	84.119	7.217,866	89.587,369	12,412	11,947
10	8	98.901	65.228,620	1.457.053,259	22,338	21,872	60	58	82.864	6.820,261	82.369,503	12,077	11,612
11	9	98.882	62.557,535	1.391.824,639	22,249	21,783	61	59	81.536	6.437,412	75.549,242	11,736	11,271
12	10	98.861	59.994,681	1.329.267,104	22,156	21,691	62	60	80.147	6.069,791	69.111,831	11,386	10,921
13	11	98.840	57.536,501	1.269.272,422	22,060	21,595	63	61	78.633	5.712,300	63.042,039	11,036	10,571
14	12	98.818	55.178,557	1.211.735,921	21,960	21,495	64	62	77.060	5.369,853	57.329,739	10,676	10,211
15	13	98.791	52.914,812	1.156.557,364	21,857	21,392	65	63	75.367	5.037,744	51.959,886	10,314	9,849
16	14	98.758	50.740,724	1.103.642,552	21,751	21,285	66	64	73.543	4.715,445	46.922,142	9,951	9,486
17	15	98.709	48.647,846	1.052.901,828	21,643	21,178	67	65	71.609	4.404,215	42.206,696	9,583	9,118
18	16	98.641	46.632,615	1.004.253,982	21,535	21,070	68	66	69.502	4.100,408	37.802,482	9,219	8,754
19	17	98.546	44.688,130	957.621,368	21,429	20,964	69	67	67.245	3.805,485	33.702,073	8,856	8,391
20	18	98.445	42.822,363	912.933,238	21,319	20,854	70	68	64.847	3.520,192	29.896,589	8,493	8,028
21	19	98.341	41.033,574	870.110,875	21,205	20,740	71	69	62.277	3.242,866	26.376,397	8,134	7,668
22	20	98.237	39.318,977	829.077,301	21,086	20,621	72	70	59.547	2.974,270	23.133,531	7,778	7,313
23	21	98.132	37.675,705	789.758,323	20,962	20,497	73	71	56.634	2.713,452	20.159,261	7,429	6,964
24	22	98.035	36.104,142	752.082,618	20,831	20,366	74	72	53.555	2.461,321	17.445,810	7,088	6,623
25	23	97.938	34.597,773	715.978,476	20,694	20,229	75	73	50.356	2.219,983	14.984,489	6,750	6,285
26	24	97.840	33.154,384	681.380,703	20,552	20,087	76	74	47.050	1.989,646	12.764,506	6,415	5,950
27	25	97.744	31.771,388	648.226,319	20,403	19,938	77	75	43.685	1.772,050	10.774,860	6,080	5,615
28	26	97.650	30.446,863	616.454,931	20,247	19,782	78	76	40.223	1.565,107	9.002,810	5,752	5,287
29	27	97.551	29.175,987	586.008,068	20,085	19,620	79	77	36.688	1.369,347	7.437,703	5,432	4,966
30	28	97.454	27.958,723	556.832,081	19,916	19,451	80	78	33.131	1.186,164	6.068,356	5,116	4,651
31	29	97.354	26.791,372	528.873,358	19,740	19,275	81	79	29.532	1.014,211	4.882,193	4,814	4,349
32	30	97.248	25.671,347	502.081,986	19,558	19,093	82	80	25.967	855,423	3.867,981	4,522	4,056
33	31	97.137	24.596,563	476.410,639	19,369	18,904	83	81	22.383	707,309	3.012,558	4,259	3,794
34	32	97.017	23.564,709	451.814,076	19,173	18,708	84	82	18.982	575,374	2.305,249	4,007	3,541
35	33	96.890	22.574,418	428.249,367	18,971	18,505	85	83	15.797	459,326	1.729,875	3,766	3,301
36	34	96.750	21.622,814	405.674,949	18,761	18,296	86	84	12.961	361,497	1.270,549	3,515	3,049
37	35	96.595	20.708,182	384.052,135	18,546	18,081	87	85	10.341	276,651	909,052	3,286	2,821
38	36	96.429	19.829,808	363.343,953	18,323	17,858	88	86	8.025	205,940	632,401	3,071	2,606
39	37	96.242	18.984,446	343.514,145	18,095	17,629	89	87	6.022	148,231	426,461	2,877	2,412
40	38	96.035	18.171,283	324.529,699	17,859	17,394	90	88	4.357	102,876	278,230	2,705	2,239
41	39	95.802	17.388,297	306.358,416	17,619	17,153	91	89	3.050	69,075	175,354	2,539	2,073
42	40	95.544	16.634,413	288.970,119	17,372	16,907	92	90	2.045	44,434	106,279	2,392	1,927
43	41	95.250	15.907,228	272.335,705	17,120	16,655	93	91	1.317	27,457	61,845	2,252	1,787
44	42	94.920	15.205,913	256.428,477	16,864	16,399	94	92	805	16,102	34,388	2,136	1,670
45	43	94.559	14.530,515	241.222,564	16,601	16,136	95	93	470	9,010	18,286	2,030	1,564
46	44	94.146	13.877,219	226.692,048	16,336	15,870	96	94	261	4,798	9,276	1,933	1,468
47	45	93.696	13.247,832	212.814,829	16,064	15,599	97	95	137	2,426	4,478	1,846	1,381
48	46	93.197	12.640,045	199.566,997	15,788	15,323	98	96	69	1,162	2,052	1,766	1,301
49	47	92.649	12.053,557	186.926,952	15,508	15,043	99	97	32	0,525	0,890	1,694	1,229
							100	98	14	0,224	0,365	1,629	1,163

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 3 Jahre

Zinsfuß 4,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	47	92.234	11.510,270	176.206,293	15,309	14,843
1							51	48	91.598	10.964,950	164.696,023	15,020	14,555
2							52	49	90.930	10.441,265	153.731,073	14,723	14,258
3	0	99.484	87.805,751	2.000.950,510	22,788	22,323	53	50	90.179	9.932,898	143.289,808	14,426	13,961
4	1	99.088	83.891,032	1.913.144,759	22,805	22,340	54	51	89.386	9.444,149	133.356,910	14,121	13,655
5	2	99.039	80.431,406	1.829.253,727	22,743	22,278	55	52	88.533	8.972,635	123.912,761	13,810	13,345
6	3	99.006	77.126,611	1.748.822,321	22,675	22,209	56	53	87.604	8.516,593	114.940,126	13,496	13,031
7	4	98.977	73.961,041	1.671.695,710	22,602	22,137	57	54	86.644	8.079,823	106.423,534	13,172	12,706
8	5	98.952	70.927,920	1.597.734,669	22,526	22,061	58	55	85.595	7.656,642	98.343,711	12,844	12,379
9	6	98.928	68.019,392	1.526.806,749	22,447	21,981	59	56	84.459	7.246,960	90.687,068	12,514	12,049
10	7	98.909	65.234,301	1.458.787,357	22,362	21,897	60	57	83.235	6.850,837	83.440,108	12,180	11,714
11	8	98.891	62.563,540	1.393.553,056	22,274	21,809	61	58	81.931	6.468,562	76.589,271	11,840	11,375
12	9	98.868	59.998,558	1.330.989,516	22,184	21,718	62	59	80.557	6.100,807	70.120,709	11,494	11,028
13	10	98.848	57.541,340	1.270.990,957	22,088	21,623	63	60	79.068	5.743,916	64.019,903	11,146	10,680
14	11	98.827	55.183,732	1.213.449,617	21,989	21,524	64	61	77.496	5.400,242	58.275,987	10,791	10,326
15	12	98.800	52.919,307	1.158.265,885	21,887	21,422	65	62	75.844	5.069,647	52.875,745	10,430	9,965
16	13	98.768	50.745,641	1.105.346,579	21,782	21,317	66	63	74.047	4.747,739	47.806,098	10,069	9,604
17	14	98.720	48.653,515	1.054.600,938	21,676	21,211	67	64	72.136	4.436,659	43.058,359	9,705	9,240
18	15	98.659	46.640,948	1.005.947,423	21,568	21,103	68	65	70.075	4.134,174	38.621,700	9,342	8,877
19	16	98.567	44.697,596	959.306,475	21,462	20,997	69	66	67.859	3.840,264	34.487,526	8,981	8,515
20	17	98.466	42.831,787	914.608,879	21,354	20,888	70	67	65.513	3.556,342	30.647,262	8,618	8,152
21	18	98.370	41.045,378	871.777,092	21,239	20,774	71	68	62.998	3.280,386	27.090,920	8,258	7,793
22	19	98.264	39.329,880	830.731,714	21,122	20,657	72	69	60.316	3.012,706	23.810,534	7,903	7,438
23	20	98.163	37.687,609	791.401,834	20,999	20,534	73	70	57.450	2.752,576	20.797,828	7,556	7,091
24	21	98.059	36.112,978	753.714,225	20,871	20,406	74	71	54.437	2.501,882	18.045,252	7,213	6,747
25	22	97.964	34.607,142	717.601,247	20,736	20,270	75	72	51.281	2.260,742	15.543,370	6,875	6,410
26	23	97.866	33.163,037	682.994,105	20,595	20,130	76	73	48.028	2.031,022	13.282,628	6,540	6,075
27	24	97.771	31.780,022	649.831,068	20,448	19,983	77	74	44.703	1.813,324	11.251,606	6,205	5,740
28	25	97.674	30.454,357	618.051,046	20,294	19,829	78	75	41.294	1.606,767	9.438,282	5,874	5,409
29	26	97.578	29.184,157	587.596,689	20,134	19,669	79	76	37.782	1.410,169	7.831,515	5,554	5,088
30	27	97.482	27.966,874	558.412,532	19,967	19,502	80	77	34.245	1.226,050	6.421,346	5,237	4,772
31	28	97.383	26.799,326	530.445,658	19,793	19,328	81	78	30.668	1.053,247	5.195,296	4,933	4,467
32	29	97.277	25.678,863	503.646,332	19,613	19,148	82	79	27.107	892,988	4.142,049	4,638	4,173
33	30	97.169	24.604,619	477.967,469	19,426	18,961	83	80	23.529	743,530	3.249,061	4,370	3,905
34	31	97.052	23.573,129	453.362,849	19,232	18,767	84	81	20.102	609,341	2.505,531	4,112	3,647
35	32	96.924	22.582,448	429.789,720	19,032	18,567	85	82	16.889	491,060	1.896,190	3,861	3,396
36	33	96.789	21.631,457	407.207,272	18,825	18,360	86	83	13.962	389,400	1.405,130	3,608	3,143
37	34	96.641	20.717,895	385.575,814	18,611	18,146	87	84	11.244	300,826	1.015,730	3,376	2,911
38	35	96.479	19.839,965	364.857,920	18,390	17,925	88	85	8.788	225,521	714,904	3,170	2,705
39	36	96.296	18.995,188	345.017,955	18,163	17,698	89	86	6.697	164,851	489,383	2,969	2,503
40	37	96.094	18.182,433	326.022,767	17,931	17,465	90	87	4.939	116,623	324,533	2,783	2,318
41	38	95.869	17.400,469	307.840,335	17,691	17,226	91	88	3.511	79,536	207,909	2,614	2,149
42	39	95.620	16.647,736	290.439,866	17,446	16,981	92	89	2.401	52,166	128,373	2,461	1,996
43	40	95.333	15.921,079	273.792,130	17,197	16,732	93	90	1.575	32,823	76,207	2,322	1,857
44	41	95.014	15.220,959	257.871,050	16,942	16,477	94	91	991	19,815	43,385	2,189	1,724
45	42	94.666	14.546,876	242.650,092	16,681	16,215	95	92	591	11,339	23,570	2,079	1,613
46	43	94.268	13.895,256	228.103,216	16,416	15,951	96	93	336	6,183	12,231	1,978	1,513
47	44	93.826	13.266,299	214.207,960	16,147	15,682	97	94	182	3,206	6,048	1,887	1,421
48	45	93.345	12.660,124	200.941,661	15,872	15,407	98	95	93	1,576	2,842	1,804	1,338
49	46	92.816	12.075,244	188.281,538	15,592	15,127	99	96	45	0,733	1,266	1,728	1,263
							100	97	21	0,321	0,533	1,659	1,194

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 4 Jahre

Zinsfuß 4,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	46	92.399	11.530,980	177.437,619	15,388	14,923
1							51	47	91.776	10.986,315	165.906,639	15,101	14,636
2							52	48	91.123	10.463,447	154.920,325	14,806	14,341
3							53	49	90.397	9.956,862	144.456,878	14,508	14,043
4	0	99.465	84.210,775	1.915.140,129	22,742	22,277	54	50	89.613	9.468,071	134.500,016	14,206	13,740
5	1	99.074	80.460,222	1.830.929,354	22,756	22,290	55	51	88.779	8.997,623	125.031,945	13,896	13,431
6	2	99.025	77.141,863	1.750.469,131	22,692	22,226	56	52	87.870	8.542,418	116.034,322	13,583	13,118
7	3	98.994	73.973,738	1.673.327,269	22,621	22,155	57	53	86.918	8.105,416	107.491,904	13,262	12,797
8	4	98.965	70.937,082	1.599.353,531	22,546	22,081	58	54	85.894	7.683,367	99.386,487	12,935	12,470
9	5	98.940	68.028,285	1.528.416,449	22,467	22,002	59	55	84.780	7.274,508	91.703,121	12,606	12,141
10	6	98.918	65.240,313	1.460.388,164	22,385	21,920	60	56	83.571	6.878,452	84.428,613	12,274	11,809
11	7	98.900	62.568,990	1.395.147,851	22,298	21,833	61	57	82.298	6.497,561	77.550,161	11,935	11,470
12	8	98.877	60.004,318	1.332.578,862	22,208	21,743	62	58	80.947	6.130,328	71.052,600	11,590	11,125
13	9	98.855	57.545,058	1.272.574,543	22,114	21,649	63	59	79.472	5.773,266	64.922,272	11,245	10,780
14	10	98.835	55.188,373	1.215.029,485	22,016	21,551	64	60	77.925	5.430,131	59.149,006	10,893	10,428
15	11	98.809	52.924,270	1.159.841,112	21,915	21,450	65	61	76.273	5.098,337	53.718,875	10,537	10,071
16	12	98.776	50.749,951	1.106.916,842	21,811	21,346	66	62	74.516	4.777,805	48.620,538	10,176	9,711
17	13	98.730	48.658,230	1.056.166,891	21,706	21,241	67	63	72.630	4.467,043	43.842,733	9,815	9,349
18	14	98.670	46.646,383	1.007.508,662	21,599	21,134	68	64	70.591	4.164,629	39.375,689	9,455	8,990
19	15	98.584	44.705,583	960.862,279	21,493	21,028	69	65	68.418	3.871,887	35.211,061	9,094	8,629
20	16	98.487	42.840,859	916.156,695	21,385	20,920	70	66	66.112	3.588,844	31.339,173	8,732	8,267
21	17	98.391	41.054,411	873.315,836	21,272	20,807	71	67	63.645	3.314,073	27.750,329	8,373	7,908
22	18	98.293	39.341,194	832.261,425	21,155	20,690	72	68	61.014	3.047,563	24.436,255	8,018	7,553
23	19	98.190	37.698,059	792.920,231	21,033	20,568	73	69	58.193	2.788,147	21.388,693	7,671	7,206
24	20	98.090	36.124,388	755.222,171	20,906	20,441	74	70	55.222	2.537,955	18.600,545	7,329	6,864
25	21	97.988	34.615,612	719.097,783	20,774	20,309	75	71	52.126	2.297,998	16.062,590	6,990	6,525
26	22	97.893	33.172,018	684.482,172	20,634	20,169	76	72	48.910	2.068,312	13.764,592	6,655	6,190
27	23	97.796	31.788,316	651.310,154	20,489	20,024	77	73	45.632	1.851,034	11.696,280	6,319	5,854
28	24	97.701	30.462,633	619.521,838	20,337	19,872	78	74	42.256	1.644,192	9.845,246	5,988	5,523
29	25	97.602	29.191,340	589.059,205	20,179	19,714	79	75	38.787	1.447,704	8.201,054	5,665	5,200
30	26	97.510	27.974,705	559.867,865	20,013	19,548	80	76	35.266	1.262,601	6.753,350	5,349	4,884
31	27	97.411	26.807,139	531.893,160	19,841	19,376	81	77	31.700	1.088,664	5.490,750	5,044	4,578
32	28	97.306	25.686,488	505.086,021	19,663	19,198	82	78	28.150	927,358	4.402,086	4,747	4,282
33	29	97.197	24.611,823	479.399,533	19,478	19,013	83	79	24.563	776,181	3.474,728	4,477	4,011
34	30	97.084	23.580,850	454.787,710	19,286	18,821	84	80	21.132	640,545	2.698,547	4,213	3,748
35	31	96.959	22.590,518	431.206,860	19,088	18,623	85	81	17.886	520,050	2.058,003	3,957	3,492
36	32	96.823	21.639,152	408.616,342	18,883	18,418	86	82	14.926	416,303	1.537,953	3,694	3,229
37	33	96.679	20.726,176	386.977,190	18,671	18,206	87	83	12.112	324,046	1.121,649	3,461	2,996
38	34	96.524	19.849,271	366.251,014	18,452	17,986	88	84	9.556	245,228	797,603	3,253	2,787
39	35	96.346	19.004,917	346.401,743	18,227	17,762	89	85	7.333	180,524	552,375	3,060	2,595
40	36	96.148	18.192,720	327.396,826	17,996	17,531	90	86	5.493	129,699	371,851	2,867	2,402
41	37	95.928	17.411,146	309.204,106	17,759	17,294	91	87	3.981	90,165	242,152	2,686	2,220
42	38	95.687	16.659,389	291.792,960	17,515	17,050	92	88	2.765	60,066	151,987	2,530	2,065
43	39	95.409	15.933,831	275.133,571	17,267	16,802	93	89	1.849	38,534	91,921	2,385	1,920
44	40	95.097	15.234,212	259.199,740	17,014	16,549	94	90	1.185	23,687	53,387	2,254	1,789
45	41	94.759	14.561,269	243.965,528	16,754	16,289	95	91	728	13,953	29,700	2,128	1,663
46	42	94.374	13.910,901	229.404,258	16,491	16,026	96	92	423	7,782	15,746	2,024	1,558
47	43	93.948	13.283,541	215.493,357	16,223	15,757	97	93	234	4,131	7,965	1,928	1,463
48	44	93.475	12.677,771	202.209,816	15,950	15,485	98	94	123	2,082	3,834	1,841	1,376
49	45	92.963	12.094,426	189.532,045	15,671	15,206	99	95	61	0,994	1,752	1,763	1,297
							100	96	29	0,448	0,758	1,691	1,226

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 5 Jahre

Zinsfuß 4,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	45	92.546	11.549,297	178.573,149	15,462	14,997
1							51	46	91.942	11.006,081	167.023,852	15,176	14,710
2							52	47	91.301	10.483,834	156.017,770	14,882	14,417
3							53	48	90.589	9.978,014	145.533,937	14,585	14,120
4							54	49	89.829	9.490,913	135.555,922	14,283	13,817
5	0	99.452	80.766,889	1.832.778,813	22,692	22,227	55	50	89.004	9.020,415	126.065,009	13,976	13,510
6	1	99.061	77.169,500	1.752.011,924	22,703	22,238	56	51	88.115	8.566,209	117.044,595	13,664	13,198
7	2	99.014	73.988,366	1.674.842,423	22,637	22,171	57	52	87.182	8.129,995	108.478,386	13,343	12,878
8	3	98.982	70.949,260	1.600.854,057	22,563	22,098	58	53	86.166	7.707,704	100.348,391	13,019	12,554
9	4	98.953	68.037,072	1.529.904,797	22,486	22,021	59	54	85.076	7.299,898	92.640,687	12,691	12,225
10	5	98.931	65.248,842	1.461.867,725	22,405	21,939	60	55	83.888	6.904,599	85.340,788	12,360	11,895
11	6	98.909	62.574,756	1.396.618,882	22,319	21,854	61	56	82.630	6.523,752	78.436,190	12,023	11,558
12	7	98.886	60.009,545	1.334.044,127	22,231	21,765	62	57	81.310	6.157,811	71.912,437	11,678	11,213
13	8	98.864	57.550,582	1.274.034,582	22,138	21,672	63	58	79.856	5.801,203	65.754,627	11,335	10,869
14	9	98.842	55.191,939	1.216.484,000	22,041	21,576	64	59	78.323	5.457,877	59.953,424	10,985	10,520
15	10	98.817	52.928,721	1.161.292,060	21,941	21,475	65	60	76.695	5.126,555	54.495,547	10,630	10,165
16	11	98.786	50.754,710	1.108.363,340	21,838	21,372	66	61	74.938	4.804,844	49.368,992	10,275	9,810
17	12	98.738	48.662,362	1.057.608,629	21,734	21,268	67	62	73.090	4.495,332	44.564,148	9,913	9,448
18	13	98.680	46.650,903	1.008.946,267	21,628	21,162	68	63	71.074	4.193,150	40.068,816	9,556	9,091
19	14	98.596	44.710,793	962.295,363	21,523	21,057	69	64	68.922	3.900,410	35.875,666	9,198	8,733
20	15	98.505	42.848,515	917.584,570	21,415	20,949	70	65	66.656	3.618,397	31.975,256	8,837	8,372
21	16	98.412	41.063,107	874.736,055	21,302	20,837	71	66	64.226	3.344,362	28.356,858	8,479	8,014
22	17	98.314	39.349,852	833.672,948	21,186	20,721	72	67	61.641	3.078,859	25.012,496	8,124	7,659
23	18	98.219	37.708,904	794.323,096	21,065	20,599	73	68	58.866	2.820,406	21.933,637	7,777	7,312
24	19	98.117	36.134,405	756.614,192	20,939	20,474	74	69	55.936	2.570,754	19.113,231	7,435	6,970
25	20	98.019	34.626,549	720.479,787	20,807	20,342	75	70	52.878	2.331,131	16.542,478	7,096	6,631
26	21	97.916	33.180,136	685.853,238	20,671	20,205	76	71	49.716	2.102,397	14.211,346	6,760	6,294
27	22	97.823	31.796,925	652.673,103	20,526	20,061	77	72	46.470	1.885,019	12.108,949	6,424	5,959
28	23	97.726	30.470,583	620.876,178	20,376	19,911	78	73	43.134	1.678,384	10.223,930	6,092	5,626
29	24	97.629	29.199,273	590.405,595	20,220	19,755	79	74	39.691	1.481,424	8.545,546	5,768	5,303
30	25	97.534	27.981,591	561.206,322	20,056	19,591	80	75	36.204	1.296,208	7.064,122	5,450	4,985
31	26	97.438	26.814,646	533.224,731	19,886	19,420	81	76	32.645	1.121,118	5.767,914	5,145	4,680
32	27	97.334	25.693,976	506.410,085	19,709	19,244	82	77	29.097	958,541	4.646,796	4,848	4,383
33	28	97.226	24.619,131	480.716,110	19,526	19,061	83	78	25.508	806,055	3.688,255	4,576	4,110
34	29	97.112	23.587,754	456.096,979	19,336	18,871	84	79	22.060	668,673	2.882,200	4,310	3,845
35	30	96.991	22.597,917	432.509,225	19,139	18,674	85	80	18.802	546,681	2.213,526	4,049	3,584
36	31	96.858	21.646,884	409.911,308	18,936	18,471	86	81	15.807	440,880	1.666,845	3,781	3,316
37	32	96.714	20.733,549	388.264,424	18,726	18,261	87	82	12.949	346,434	1.225,965	3,539	3,074
38	33	96.563	19.857,205	367.530,875	18,509	18,043	88	83	10.293	264,157	879,531	3,330	2,864
39	34	96.391	19.013,831	347.673,670	18,285	17,820	89	84	7.974	196,299	615,375	3,135	2,670
40	35	96.197	18.202,039	328.659,838	18,056	17,591	90	85	6.015	142,030	419,075	2,951	2,485
41	36	95.982	17.420,996	310.457,800	17,821	17,356	91	86	4.427	100,274	277,045	2,763	2,298
42	37	95.746	16.669,611	293.036,803	17,579	17,114	92	87	3.134	68,093	176,771	2,596	2,131
43	38	95.476	15.944,984	276.367,192	17,333	16,867	93	88	2.129	44,370	108,678	2,449	1,984
44	39	95.173	15.246,413	260.422,207	17,081	16,616	94	89	1.391	27,809	64,308	2,312	1,847
45	40	94.842	14.573,949	245.175,794	16,823	16,358	95	90	870	16,680	36,499	2,188	1,723
46	41	94.468	13.924,665	230.601,845	16,561	16,095	96	91	521	9,576	19,819	2,070	1,604
47	42	94.054	13.298,498	216.677,180	16,293	15,828	97	92	295	5,199	10,242	1,970	1,505
48	43	93.596	12.694,249	203.378,683	16,021	15,556	98	93	159	2,683	5,044	1,880	1,415
49	44	93.093	12.111,285	190.684,434	15,744	15,279	99	94	81	1,313	2,361	1,798	1,333
							100	95	39	0,608	1,048	1,723	1,258

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 6 Jahre

Zinsfuß 4,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	44	92.675	11.565,396	179.618,611	15,531	15,065
1							51	45	92.088	11.023,565	168.053,214	15,245	14,780
2							52	46	91.465	10.502,697	157.029,649	14,951	14,486
3							53	47	90.766	9.997,456	146.526,953	14,656	14,191
4							54	48	90.020	9.511,076	136.529,497	14,355	13,890
5							55	49	89.219	9.042,177	127.018,421	14,047	13,582
6	0	99.438	77.463,625	1.753.725,521	22,639	22,174	56	50	88.338	8.587,907	117.976,245	13,737	13,272
7	1	99.049	74.014,874	1.676.261,896	22,648	22,182	57	51	87.425	8.152,637	109.388,337	13,418	12,952
8	2	99.002	70.963,291	1.602.247,022	22,579	22,113	58	52	86.427	7.731,077	101.235,701	13,095	12,629
9	3	98.970	68.048,752	1.531.283,732	22,503	22,038	59	53	85.345	7.323,021	93.504,624	12,769	12,303
10	4	98.944	65.257,271	1.463.234,979	22,423	21,957	60	54	84.181	6.928,698	86.181,603	12,438	11,973
11	5	98.922	62.582,936	1.397.977,709	22,338	21,873	61	55	82.944	6.548,551	79.252,904	12,102	11,637
12	6	98.895	60.015,075	1.335.394,772	22,251	21,786	62	56	81.637	6.182,632	72.704,354	11,759	11,294
13	7	98.873	57.555,595	1.275.379,697	22,159	21,694	63	57	80.214	5.827,210	66.521,721	11,416	10,950
14	8	98.851	55.197,238	1.217.824,102	22,063	21,598	64	58	78.702	5.484,288	60.694,511	11,067	10,602
15	9	98.824	52.932,141	1.162.626,865	21,964	21,499	65	59	77.087	5.152,751	55.210,224	10,715	10,249
16	10	98.794	50.758,979	1.109.694,723	21,862	21,397	66	60	75.352	4.831,437	50.057,473	10,361	9,896
17	11	98.748	48.666,926	1.058.935,745	21,759	21,294	67	61	73.504	4.520,772	45.226,036	10,004	9,539
18	12	98.688	46.654,866	1.010.268,818	21,654	21,189	68	62	71.524	4.219,704	40.705,264	9,646	9,181
19	13	98.605	44.715,126	963.613,953	21,550	21,085	69	63	69.394	3.927,122	36.485,560	9,291	8,825
20	14	98.516	42.853,509	918.898,827	21,443	20,978	70	64	67.147	3.645,053	32.558,438	8,932	8,467
21	15	98.430	41.070,445	876.045,318	21,330	20,865	71	65	64.755	3.371,901	28.913,385	8,575	8,110
22	16	98.335	39.358,187	834.974,873	21,215	20,750	72	66	62.204	3.106,998	25.541,484	8,221	7,755
23	17	98.240	37.717,203	795.616,686	21,094	20,629	73	67	59.470	2.849,370	22.434,485	7,873	7,408
24	18	98.146	36.144,800	757.899,484	20,968	20,503	74	68	56.583	2.600,497	19.585,116	7,531	7,066
25	19	98.046	34.636,150	721.754,684	20,838	20,373	75	69	53.561	2.361,257	16.984,619	7,193	6,728
26	20	97.947	33.190,619	687.118,534	20,702	20,237	76	70	50.433	2.132,710	14.623,362	6,857	6,391
27	21	97.846	31.804,706	653.927,914	20,561	20,096	77	71	47.236	1.916,083	12.490,652	6,519	6,054
28	22	97.753	30.478,835	622.123,208	20,412	19,946	78	72	43.926	1.709,200	10.574,568	6,187	5,722
29	23	97.654	29.206,893	591.644,373	20,257	19,792	79	73	40.516	1.512,232	8.865,369	5,862	5,397
30	24	97.560	27.989,195	562.437,480	20,095	19,630	80	74	37.048	1.326,399	7.353,137	5,544	5,078
31	25	97.462	26.821,246	534.448,285	19,926	19,461	81	75	33.514	1.150,960	6.026,738	5,236	4,771
32	26	97.361	25.701,171	507.627,040	19,751	19,286	82	76	29.964	987,117	4.875,779	4,939	4,474
33	27	97.254	24.626,308	481.925,869	19,570	19,104	83	77	26.366	833,160	3.888,662	4,667	4,202
34	28	97.141	23.594,758	457.299,561	19,381	18,916	84	78	22.909	694,410	3.055,502	4,400	3,935
35	29	97.019	22.604,533	433.704,803	19,187	18,721	85	79	19.627	570,688	2.361,092	4,137	3,672
36	30	96.889	21.653,974	411.100,270	18,985	18,520	86	80	16.617	463,457	1.790,405	3,863	3,398
37	31	96.748	20.740,958	389.446,296	18,777	18,311	87	81	13.714	366,886	1.326,948	3,617	3,152
38	32	96.597	19.864,268	368.705,338	18,561	18,096	88	82	11.004	282,407	960,062	3,400	2,934
39	33	96.429	19.021,432	348.841,070	18,339	17,874	89	83	8.590	211,452	677,655	3,205	2,740
40	34	96.242	18.210,576	329.819,638	18,111	17,646	90	84	6.540	154,442	466,204	3,019	2,553
41	35	96.032	17.429,920	311.609,062	17,878	17,413	91	85	4.848	109,808	311,762	2,839	2,374
42	36	95.800	16.679,043	294.179,142	17,638	17,172	92	86	3.485	75,727	201,954	2,667	2,202
43	37	95.535	15.954,768	277.500,099	17,393	16,928	93	87	2.413	50,299	126,227	2,510	2,044
44	38	95.240	15.257,086	261.545,331	17,143	16,677	94	88	1.602	32,021	75,927	2,371	1,906
45	39	94.918	14.585,621	246.288,245	16,886	16,420	95	89	1.021	19,583	43,907	2,242	1,777
46	40	94.550	13.936,790	231.702,624	16,625	16,160	96	90	622	11,447	24,324	2,125	1,660
47	41	94.147	13.311,656	217.765,834	16,359	15,894	97	91	363	6,397	12,877	2,013	1,548
48	42	93.702	12.708,542	204.454,178	16,088	15,623	98	92	199	3,377	6,479	1,919	1,454
49	43	93.214	12.127,026	191.745,637	15,811	15,346	99	93	104	1,692	3,103	1,834	1,368
							100	94	52	0,803	1,411	1,756	1,291

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 7 Jahre

Zinsfuß 4,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	43	92.796	11.580,428	180.580,615	15,594	15,128
1							51	44	92.216	11.038,931	169.000,187	15,309	14,844
2							52	45	91.611	10.519,380	157.961,256	15,016	14,551
3							53	46	90.929	10.015,443	147.441,876	14,721	14,256
4							54	47	90.195	9.529,608	137.426,432	14,421	13,956
5							55	48	89.408	9.061,386	127.896,825	14,114	13,649
6							56	49	88.551	8.608,626	118.835,438	13,804	13,339
7	0	99.427	74.296,975	1.677.849,237	22,583	22,118	57	50	87.646	8.173,288	110.226,813	13,486	13,021
8	1	99.037	70.988,715	1.603.552,262	22,589	22,124	58	51	86.668	7.752,608	102.053,525	13,164	12,699
9	2	98.990	68.062,209	1.532.563,547	22,517	22,052	59	52	85.604	7.345,227	94.300,917	12,838	12,373
10	3	98.961	65.268,474	1.464.501,338	22,438	21,973	60	53	84.448	6.950,645	86.955,690	12,510	12,045
11	4	98.935	62.591,020	1.399.232,864	22,355	21,890	61	54	83.234	6.571,408	80.005,045	12,175	11,710
12	5	98.908	60.022,921	1.336.641,844	22,269	21,804	62	55	81.948	6.206,134	73.433,637	11,832	11,367
13	6	98.882	57.560,899	1.276.618,923	22,179	21,713	63	56	80.538	5.850,699	67.227,503	11,491	11,025
14	7	98.860	55.202,045	1.219.058,024	22,084	21,618	64	57	79.055	5.508,874	61.376,804	11,141	10,676
15	8	98.833	52.937,223	1.163.855,979	21,986	21,520	65	58	77.460	5.177,684	55.867,930	10,790	10,325
16	9	98.800	50.762,259	1.110.918,756	21,885	21,420	66	59	75.737	4.856,125	50.690,246	10,438	9,973
17	10	98.756	48.671,019	1.060.156,497	21,782	21,317	67	60	73.910	4.545,793	45.834,121	10,083	9,618
18	11	98.698	46.659,241	1.011.485,478	21,678	21,213	68	61	71.929	4.243,584	41.288,328	9,730	9,264
19	12	98.614	44.718,924	964.826,236	21,575	21,110	69	62	69.834	3.951,991	37.044,744	9,374	8,908
20	13	98.526	42.857,661	920.107,313	21,469	21,004	70	63	67.607	3.670,016	33.092,752	9,017	8,552
21	14	98.441	41.075,231	877.249,652	21,357	20,892	71	64	65.232	3.396,741	29.422,736	8,662	8,197
22	15	98.353	39.365,220	836.174,420	21,241	20,776	72	65	62.716	3.132,583	26.025,995	8,308	7,843
23	16	98.261	37.725,192	796.809,200	21,121	20,656	73	66	60.014	2.875,411	22.893,412	7,962	7,497
24	17	98.167	36.152,754	759.084,008	20,997	20,531	74	67	57.164	2.627,202	20.018,001	7,620	7,154
25	18	98.075	34.646,114	722.931,254	20,866	20,401	75	68	54.181	2.388,576	17.390,799	7,281	6,816
26	19	97.975	33.199,823	688.285,140	20,732	20,266	76	69	51.085	2.160,271	15.002,222	6,945	6,479
27	20	97.877	31.814,755	655.085,318	20,591	20,125	77	70	47.917	1.943,710	12.841,951	6,607	6,142
28	21	97.776	30.486,294	623.270,562	20,444	19,979	78	71	44.650	1.737,366	10.898,241	6,273	5,808
29	22	97.681	29.214,803	592.784,268	20,291	19,825	79	72	41.260	1.539,996	9.160,874	5,949	5,483
30	23	97.586	27.996,499	563.569,466	20,130	19,665	80	73	37.818	1.353,983	7.620,878	5,628	5,163
31	24	97.489	26.828,534	535.572,966	19,963	19,498	81	74	34.294	1.177,768	6.266,895	5,321	4,856
32	25	97.385	25.707,497	508.744,432	19,790	19,325	82	75	30.762	1.013,391	5.089,127	5,022	4,557
33	26	97.282	24.633,204	483.036,935	19,609	19,144	83	76	27.152	857,997	4.075,736	4,750	4,285
34	27	97.169	23.601,636	458.403,731	19,423	18,957	84	77	23.679	717,760	3.217,739	4,483	4,018
35	28	97.048	22.611,245	434.802,095	19,229	18,764	85	78	20.383	592,653	2.499,978	4,218	3,753
36	29	96.918	21.660,314	412.190,850	19,030	18,565	86	79	17.347	483,809	1.907,326	3,942	3,477
37	30	96.780	20.747,751	390.530,536	18,823	18,358	87	80	14.416	385,674	1.423,517	3,691	3,226
38	31	96.631	19.871,367	369.782,785	18,609	18,144	88	81	11.654	299,079	1.037,843	3,470	3,005
39	32	96.464	19.028,198	349.911,419	18,389	17,924	89	82	9.183	226,061	738,765	3,268	2,803
40	33	96.281	18.217,856	330.883,221	18,163	17,697	90	83	7.045	166,363	512,704	3,082	2,617
41	34	96.077	17.438,095	312.665,365	17,930	17,465	91	84	5.272	119,403	346,341	2,901	2,435
42	35	95.849	16.687,586	295.227,270	17,691	17,226	92	85	3.817	82,927	226,938	2,737	2,271
43	36	95.589	15.963,795	278.539,684	17,448	16,983	93	86	2.684	55,939	144,010	2,574	2,109
44	37	95.298	15.266,448	262.575,889	17,200	16,734	94	87	1.816	36,299	88,072	2,426	1,961
45	38	94.984	14.595,831	247.309,441	16,944	16,479	95	88	1.176	22,548	51,772	2,296	1,831
46	39	94.626	13.947,952	232.713,611	16,684	16,219	96	89	731	13,440	29,224	2,174	1,709
47	40	94.229	13.323,247	218.765,659	16,420	15,955	97	90	433	7,648	15,784	2,064	1,599
48	41	93.794	12.721,116	205.442,412	16,150	15,684	98	91	245	4,155	8,137	1,958	1,493
49	42	93.319	12.140,680	192.721,295	15,874	15,409	99	92	131	2,130	3,982	1,870	1,404
							100	93	66	1,035	1,852	1,789	1,324

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 8 Jahre

Zinsfuß 4,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	42	92.900	11.593,467	181.464,495	15,652	15,187
1							51	43	92.336	11.053,279	169.871,028	15,368	14,903
2							52	44	91.738	10.534,044	158.817,749	15,077	14,611
3							53	45	91.073	10.031,353	148.283,706	14,782	14,317
4							54	46	90.357	9.546,753	138.252,352	14,482	14,016
5							55	47	89.583	9.079,042	128.705,599	14,176	13,711
6							56	48	88.739	8.626,914	119.626,557	13,867	13,401
7							57	49	87.858	8.193,006	110.999,643	13,548	13,083
8	0	99.415	71.259,282	1.605.022,464	22,524	22,058	58	50	86.888	7.772,245	102.806,637	13,227	12,762
9	1	99.025	68.086,594	1.533.763,182	22,527	22,061	59	51	85.842	7.365,684	95.034,392	12,902	12,437
10	2	98.981	65.281,381	1.465.676,589	22,452	21,986	60	52	84.704	6.971,722	87.668,708	12,575	12,110
11	3	98.952	62.601,766	1.400.395,208	22,370	21,905	61	53	83.497	6.592,223	80.696,986	12,241	11,776
12	4	98.920	60.030,674	1.337.793,442	22,285	21,820	62	54	82.234	6.227,796	74.104,763	11,899	11,434
13	5	98.895	57.568,424	1.277.762,768	22,196	21,730	63	55	80.844	5.872,939	67.876,967	11,558	11,092
14	6	98.869	55.207,132	1.220.194,343	22,102	21,637	64	56	79.374	5.531,080	62.004,028	11,210	10,745
15	7	98.842	52.941,833	1.164.987,211	22,005	21,540	65	57	77.808	5.200,896	56.472,948	10,858	10,393
16	8	98.810	50.767,132	1.112.045,377	21,905	21,440	66	58	76.104	4.879,623	51.272,052	10,507	10,042
17	9	98.762	48.674,164	1.061.278,245	21,804	21,339	67	59	74.288	4.569,021	46.392,429	10,154	9,688
18	10	98.706	46.663,165	1.012.604,081	21,700	21,235	68	60	72.327	4.267,071	41.823,408	9,801	9,336
19	11	98.623	44.723,118	965.940,916	21,598	21,133	69	61	70.229	3.974,357	37.556,337	9,450	8,984
20	12	98.534	42.861,301	921.217,798	21,493	21,028	70	62	68.035	3.693,257	33.581,980	9,093	8,628
21	13	98.451	41.079,212	878.356,497	21,382	20,917	71	63	65.679	3.420,004	29.888,723	8,739	8,274
22	14	98.364	39.369,808	837.277,285	21,267	20,802	72	64	63.178	3.155,660	26.468,720	8,388	7,922
23	15	98.279	37.731,933	797.907,477	21,147	20,682	73	65	60.508	2.899,089	23.313,060	8,042	7,576
24	16	98.188	36.160,412	760.175,544	21,022	20,557	74	66	57.686	2.651,213	20.413,971	7,700	7,235
25	17	98.096	34.653,738	724.015,132	20,893	20,428	75	67	54.737	2.413,105	17.762,757	7,361	6,896
26	18	98.003	33.209,373	689.361,393	20,758	20,293	76	68	51.676	2.185,266	15.349,652	7,024	6,559
27	19	97.905	31.823,577	656.152,020	20,618	20,153	77	69	48.536	1.968,829	13.164,386	6,686	6,221
28	20	97.807	30.495,926	624.328,443	20,473	20,007	78	70	45.294	1.762,416	11.195,557	6,352	5,887
29	21	97.705	29.221,952	593.832,517	20,321	19,856	79	71	41.940	1.565,375	9.433,141	6,026	5,561
30	22	97.612	28.004,081	564.610,564	20,162	19,697	80	72	38.512	1.378,842	7.867,766	5,706	5,241
31	23	97.514	26.835,536	536.606,483	19,996	19,531	81	73	35.007	1.202,261	6.488,924	5,397	4,932
32	24	97.412	25.714,483	509.770,947	19,824	19,359	82	74	31.478	1.036,995	5.286,663	5,098	4,633
33	25	97.306	24.639,267	484.056,464	19,646	19,181	83	75	27.875	880,835	4.249,668	4,825	4,359
34	26	97.196	23.608,245	459.417,197	19,460	18,995	84	76	24.385	739,157	3.368,833	4,558	4,092
35	27	97.076	22.617,836	435.808,952	19,268	18,803	85	77	21.068	612,582	2.629,675	4,293	3,828
36	28	96.946	21.666,745	413.191,116	19,070	18,605	86	78	18.014	502,430	2.017,094	4,015	3,549
37	29	96.808	20.753,826	391.524,370	18,865	18,400	87	79	15.049	402,610	1.514,664	3,762	3,297
38	30	96.663	19.877,875	370.770,545	18,652	18,187	88	80	12.251	314,394	1.112,054	3,537	3,072
39	31	96.498	19.034,997	350.892,670	18,434	17,969	89	81	9.725	239,406	797,660	3,332	2,867
40	32	96.315	18.224,336	331.857,673	18,210	17,744	90	82	7.532	177,857	558,254	3,139	2,674
41	33	96.115	17.445,066	313.633,337	17,978	17,513	91	83	5.678	128,620	380,397	2,958	2,492
42	34	95.894	16.695,413	296.188,271	17,741	17,275	92	84	4.150	90,174	251,777	2,792	2,327
43	35	95.638	15.971,972	279.492,858	17,499	17,034	93	85	2.939	61,258	161,603	2,638	2,173
44	36	95.352	15.275,085	263.520,886	17,252	16,786	94	86	2.019	40,369	100,346	2,486	2,020
45	37	95.043	14.604,787	248.245,801	16,998	16,532	95	87	1.333	25,562	59,977	2,346	1,881
46	38	94.692	13.957,716	233.641,014	16,739	16,274	96	88	841	15,475	34,415	2,224	1,759
47	39	94.305	13.333,918	219.683,298	16,476	16,010	97	89	509	8,978	18,940	2,110	1,644
48	40	93.876	12.732,193	206.349,381	16,207	15,742	98	90	293	4,967	9,962	2,006	1,540
49	41	93.411	12.152,693	193.617,188	15,932	15,467	99	91	161	2,621	4,995	1,906	1,441
							100	92	84	1,303	2,374	1,822	1,357

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 9 Jahre

Zinsfuß 4,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	41	92.992	11.604,938	182.275,675	15,707	15,242
1							51	42	92.440	11.065,724	170.670,737	15,423	14,958
2							52	43	91.857	10.547,735	159.605,013	15,132	14,666
3							53	44	91.200	10.045,336	149.057,278	14,838	14,373
4							54	45	90.501	9.561,919	139.011,941	14,538	14,073
5							55	46	89.744	9.095,377	129.450,023	14,233	13,767
6							56	47	88.912	8.643,723	120.354,646	13,924	13,459
7							57	48	88.044	8.210,411	111.710,923	13,606	13,141
8							58	49	87.097	7.790,996	103.500,511	13,285	12,819
9	0	99.403	68.346,099	1.535.124,873	22,461	21,996	59	50	86.060	7.384,341	95.709,515	12,961	12,496
10	1	99.016	65.304,769	1.466.778,774	22,461	21,995	60	51	84.940	6.991,138	88.325,174	12,634	12,169
11	2	98.971	62.614,145	1.401.474,005	22,383	21,917	61	52	83.750	6.612,213	81.334,036	12,301	11,835
12	3	98.937	60.040,980	1.338.859,859	22,299	21,834	62	53	82.494	6.247,523	74.721,823	11,960	11,495
13	4	98.908	57.575,861	1.278.818,879	22,211	21,746	63	54	81.126	5.893,438	68.474,300	11,619	11,154
14	5	98.882	55.214,350	1.221.243,018	22,118	21,653	64	55	79.676	5.552,105	62.580,863	11,272	10,806
15	6	98.851	52.946,712	1.166.028,668	22,023	21,557	65	56	78.121	5.221,861	57.028,758	10,921	10,456
16	7	98.818	50.771,554	1.113.081,956	21,923	21,458	66	57	76.445	4.901,499	51.806,897	10,570	10,104
17	8	98.772	48.678,837	1.062.310,402	21,823	21,358	67	58	74.648	4.591,130	46.905,398	10,217	9,751
18	9	98.712	46.666,181	1.013.631,565	21,721	21,256	68	59	72.697	4.288,875	42.314,268	9,866	9,401
19	10	98.631	44.726,879	966.965,384	21,619	21,154	69	60	70.617	3.996,353	38.025,393	9,515	9,050
20	11	98.543	42.865,321	922.238,505	21,515	21,050	70	61	68.420	3.714,158	34.029,039	9,162	8,697
21	12	98.459	41.082,701	879.373,184	21,405	20,940	71	62	66.095	3.441,662	30.314,881	8,808	8,343
22	13	98.374	39.373,623	838.290,484	21,291	20,825	72	63	63.611	3.177,271	26.873,220	8,458	7,993
23	14	98.290	37.736,331	798.916,861	21,171	20,706	73	64	60.954	2.920,446	23.695,949	8,114	7,649
24	15	98.206	36.166,874	761.180,530	21,046	20,581	74	65	58.161	2.673,045	20.775,503	7,772	7,307
25	16	98.117	34.661,079	725.013,656	20,917	20,452	75	66	55.237	2.435,160	18.102,458	7,434	6,969
26	17	98.024	33.216,682	690.352,578	20,783	20,318	76	67	52.206	2.207,707	15.667,298	7,097	6,631
27	18	97.933	31.832,732	657.135,896	20,643	20,178	77	68	49.098	1.991,608	13.459,591	6,758	6,293
28	19	97.834	30.504,382	625.303,164	20,499	20,034	78	69	45.879	1.785,192	11.467,983	6,424	5,959
29	20	97.735	29.231,185	594.798,782	20,348	19,883	79	70	42.545	1.587,945	9.682,791	6,098	5,632
30	21	97.636	28.010,935	565.567,597	20,191	19,726	80	71	39.147	1.401,565	8.094,846	5,776	5,310
31	22	97.541	26.842,803	537.556,662	20,026	19,561	81	72	35.650	1.224,334	6.693,281	5,467	5,002
32	23	97.437	25.721,194	510.713,859	19,856	19,391	82	73	32.133	1.058,561	5.468,947	5,166	4,701
33	24	97.332	24.645,963	484.992,665	19,678	19,213	83	74	28.524	901,352	4.410,386	4,893	4,428
34	25	97.220	23.614,056	460.346,702	19,495	19,029	84	75	25.034	758,832	3.509,035	4,624	4,159
35	26	97.104	22.624,170	436.732,646	19,304	18,839	85	76	21.696	630,843	2.750,203	4,360	3,894
36	27	96.975	21.673,062	414.108,476	19,107	18,642	86	77	18.620	519,325	2.119,359	4,081	3,616
37	28	96.837	20.759,988	392.435,414	18,903	18,438	87	78	15.628	418,106	1.600,034	3,827	3,362
38	29	96.691	19.883,695	371.675,427	18,692	18,227	88	79	12.789	328,200	1.181,929	3,601	3,136
39	30	96.530	19.041,232	351.791,732	18,475	18,010	89	80	10.223	251,666	853,728	3,392	2,927
40	31	96.349	18.230,848	332.750,500	18,252	17,787	90	81	7.977	188,356	602,063	3,196	2,731
41	32	96.149	17.451,271	314.519,652	18,023	17,558	91	82	6.071	137,506	413,706	3,009	2,543
42	33	95.932	16.702,087	297.068,381	17,786	17,321	92	83	4.471	97,134	276,200	2,843	2,378
43	34	95.683	15.979,464	280.366,294	17,545	17,080	93	84	3.196	66,610	179,066	2,688	2,223
44	35	95.401	15.282,909	264.386,831	17,300	16,834	94	85	2.211	44,208	112,455	2,544	2,079
45	36	95.096	14.613,050	249.103,921	17,047	16,581	95	86	1.482	28,427	68,248	2,401	1,936
46	37	94.750	13.966,280	234.490,871	16,790	16,325	96	87	954	17,543	39,820	2,270	1,805
47	38	94.371	13.343,251	220.524,591	16,527	16,062	97	88	586	10,338	22,277	2,155	1,690
48	39	93.951	12.742,390	207.181,340	16,259	15,794	98	89	345	5,832	11,939	2,047	1,582
49	40	93.493	12.163,275	194.438,950	15,986	15,521	99	90	193	3,133	6,108	1,950	1,484
							100	91	103	1,603	2,975	1,856	1,390

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 10 Jahre

Zinsfuß 4,25%

Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	40	93.073	11.615,043	183.019,410	15,757	15,292
1							51	41	92.531	11.076,673	171.404,367	15,474	15,009
2							52	42	91.961	10.559,611	160.327,694	15,183	14,718
3							53	43	91.319	10.058,392	149.768,083	14,890	14,425
4							54	44	90.627	9.575,247	139.709,690	14,591	14,125
5							55	45	89.886	9.109,825	130.134,443	14,285	13,820
6							56	46	89.072	8.659,275	121.024,618	13,976	13,511
7							57	47	88.216	8.226,409	112.365,342	13,659	13,194
8							58	48	87.282	7.807,548	104.138,934	13,338	12,873
9							59	49	86.267	7.402,156	96.331,386	13,014	12,549
10	0	99.393	65.553,672	1.468.040,077	22,394	21,929	60	50	85.155	7.008,847	88.929,230	12,688	12,223
11	1	99.007	62.636,578	1.402.486,405	22,391	21,926	61	51	83.984	6.630,628	81.920,383	12,355	11,890
12	2	98.957	60.052,853	1.339.849,826	22,311	21,846	62	52	82.744	6.266,467	75.289,755	12,015	11,549
13	3	98.924	57.585,745	1.279.796,973	22,224	21,759	63	53	81.383	5.912,105	69.023,288	11,675	11,210
14	4	98.895	55.221,482	1.222.211,228	22,133	21,668	64	54	79.954	5.571,484	63.111,182	11,328	10,862
15	5	98.864	52.953,634	1.166.989,746	22,038	21,573	65	55	78.418	5.241,710	57.539,698	10,977	10,512
16	6	98.827	50.776,233	1.114.036,111	21,940	21,475	66	56	76.753	4.921,256	52.297,988	10,627	10,162
17	7	98.780	48.683,077	1.063.259,879	21,840	21,375	67	57	74.982	4.611,713	47.376,732	10,273	9,808
18	8	98.722	46.670,661	1.014.576,802	21,739	21,274	68	58	73.049	4.309,629	42.765,019	9,923	9,458
19	9	98.637	44.729,769	967.906,141	21,639	21,174	69	59	70.978	4.016,774	38.455,390	9,574	9,108
20	10	98.552	42.868,926	923.176,372	21,535	21,070	70	60	68.799	3.734,715	34.438,616	9,221	8,756
21	11	98.468	41.086,554	880.307,446	21,426	20,960	71	61	66.469	3.461,139	30.703,902	8,871	8,406
22	12	98.382	39.376,967	839.220,892	21,312	20,847	72	62	64.014	3.197,392	27.242,763	8,520	8,055
23	13	98.299	37.739,987	799.843,925	21,194	20,728	73	63	61.371	2.940,446	24.045,371	8,177	7,712
24	14	98.217	36.171,089	762.103,938	21,069	20,604	74	64	58.590	2.692,737	21.104,925	7,838	7,373
25	15	98.134	34.667,273	725.932,849	20,940	20,475	75	65	55.692	2.455,212	18.412,188	7,499	7,034
26	16	98.045	33.223,718	691.265,576	20,806	20,341	76	66	52.683	2.227,884	15.956,976	7,162	6,697
27	17	97.954	31.839,737	658.041,859	20,667	20,202	77	67	49.602	2.012,061	13.729,092	6,823	6,358
28	18	97.863	30.513,158	626.202,122	20,522	20,057	78	68	46.410	1.805,847	11.717,031	6,488	6,023
29	19	97.763	29.239,291	595.688,964	20,373	19,908	79	69	43.094	1.608,466	9.911,185	6,162	5,697
30	20	97.667	28.019,785	566.449,673	20,216	19,751	80	70	39.711	1.421,773	8.302,719	5,840	5,374
31	21	97.565	26.849,373	538.429,888	20,054	19,589	81	71	36.238	1.244,511	6.880,946	5,529	5,064
32	22	97.464	25.728,159	511.580,516	19,884	19,419	82	72	32.723	1.077,996	5.636,435	5,229	4,763
33	23	97.357	24.652,395	485.852,357	19,708	19,243	83	73	29.117	920,096	4.558,439	4,954	4,489
34	24	97.247	23.620,473	461.199,962	19,525	19,060	84	74	25.617	776,507	3.638,343	4,686	4,220
35	25	97.127	22.629,739	437.579,489	19,336	18,871	85	75	22.274	647,635	2.861,836	4,419	3,954
36	26	97.002	21.679,131	414.949,750	19,141	18,675	86	76	19.175	534,807	2.214,201	4,140	3,675
37	27	96.865	20.766,040	393.270,619	18,938	18,473	87	77	16.154	432,165	1.679,394	3,886	3,421
38	28	96.720	19.889,599	372.504,580	18,729	18,263	88	78	13.281	340,832	1.247,229	3,659	3,194
39	29	96.558	19.046,807	352.614,981	18,513	18,048	89	79	10.672	262,717	906,397	3,450	2,985
40	30	96.381	18.236,819	333.568,174	18,291	17,826	90	80	8.385	198,002	643,680	3,251	2,786
41	31	96.184	17.457,507	315.331,355	18,063	17,598	91	81	6.429	145,624	445,678	3,060	2,595
42	32	95.967	16.708,028	297.873,848	17,828	17,363	92	82	4.780	103,845	300,054	2,889	2,424
43	33	95.721	15.985,851	281.165,820	17,588	17,123	93	83	3.443	71,752	196,209	2,735	2,269
44	34	95.446	15.290,078	265.179,969	17,343	16,878	94	84	2.405	48,071	124,457	2,589	2,124
45	35	95.145	14.620,535	249.889,892	17,092	16,626	95	85	1.623	31,130	76,386	2,454	1,989
46	36	94.804	13.974,182	235.269,357	16,836	16,371	96	86	1.061	19,510	45,256	2,320	1,854
47	37	94.428	13.351,439	221.295,175	16,575	16,109	97	87	664	11,720	25,746	2,197	1,732
48	38	94.017	12.751,310	207.943,736	16,308	15,842	98	88	397	6,715	14,027	2,089	1,624
49	39	93.568	12.173,017	195.192,426	16,035	15,570	99	89	227	3,678	7,312	1,988	1,523
							100	90	123	1,917	3,634	1,896	1,431

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 11 Jahre

Zinsfuß 4,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	39	93.148	11.624,345	183.701,128	15,803	15,338
1							51	40	92.612	11.086,318	172.076,783	15,522	15,056
2							52	41	92.052	10.570,060	160.990,465	15,231	14,776
3							53	42	91.422	10.069,718	150.420,405	14,938	14,473
4							54	43	90.745	9.587,692	140.350,688	14,639	14,173
5							55	44	90.012	9.122,524	130.762,995	14,334	13,869
6							56	45	89.213	8.673,031	121.640,472	14,025	13,560
7							57	46	88.374	8.241,210	112.967,441	13,708	13,242
8							58	47	87.452	7.822,760	104.726,231	13,387	12,922
9							59	48	86.451	7.417,881	96.903,471	13,063	12,598
10							60	49	85.360	7.025,756	89.485,590	12,737	12,272
11	0	99.384	62.875,312	1.403.654,925	22,324	21,859	61	50	84.196	6.647,423	82.459,834	12,405	11,940
12	1	98.992	60.074,368	1.340.779,613	22,319	21,853	62	51	82.975	6.283,919	75.812,410	12,065	11,599
13	2	98.944	57.597,133	1.280.705,245	22,236	21,770	63	52	81.630	5.930,033	69.528,491	11,725	11,260
14	3	98.912	55.230,963	1.223.108,112	22,145	21,680	64	53	80.207	5.589,132	63.598,458	11,379	10,914
15	4	98.876	52.960,474	1.167.877,150	22,052	21,587	65	54	78.692	5.260,006	58.009,326	11,028	10,563
16	5	98.840	50.782,871	1.114.916,675	21,955	21,489	66	55	77.045	4.939,963	52.749,320	10,678	10,213
17	6	98.790	48.687,563	1.064.133,804	21,856	21,391	67	56	75.285	4.630,302	47.809,357	10,325	9,860
18	7	98.730	46.674,726	1.015.446,241	21,756	21,291	68	57	73.376	4.328,949	43.179,054	9,974	9,509
19	8	98.647	44.734,063	968.771,515	21,656	21,191	69	58	71.322	4.036,211	38.850,105	9,625	9,160
20	9	98.558	42.871,696	924.037,452	21,554	21,088	70	59	69.151	3.753,798	34.813,894	9,274	8,809
21	10	98.477	41.090,009	881.165,756	21,445	20,980	71	60	66.837	3.480,295	31.060,096	8,925	8,459
22	11	98.391	39.380,660	840.075,746	21,332	20,867	72	61	64.376	3.215,487	27.579,801	8,577	8,112
23	12	98.308	37.743,193	800.695,086	21,214	20,749	73	62	61.760	2.959,067	24.364,315	8,234	7,769
24	13	98.227	36.174,594	762.951,894	21,091	20,626	74	63	58.991	2.711,178	21.405,247	7,895	7,430
25	14	98.146	34.671,313	726.777,300	20,962	20,497	75	64	56.102	2.473,299	18.694,070	7,558	7,093
26	15	98.063	33.229,655	692.105,987	20,828	20,363	76	65	53.117	2.246,230	16.220,771	7,221	6,756
27	16	97.975	31.846,481	658.876,333	20,689	20,224	77	66	50.055	2.030,450	13.974,541	6,882	6,417
28	17	97.884	30.519,873	627.029,851	20,545	20,080	78	67	46.887	1.824,392	11.944,091	6,547	6,082
29	18	97.791	29.247,702	596.509,978	20,395	19,930	79	68	43.593	1.627,076	10.119,700	6,220	5,754
30	19	97.694	28.027,554	567.262,276	20,239	19,774	80	69	40.225	1.440,147	8.492,624	5,897	5,432
31	20	97.595	26.857,856	539.234,722	20,077	19,612	81	70	36.760	1.262,455	7.052,477	5,586	5,121
32	21	97.488	25.734,456	512.376,866	19,910	19,445	82	71	33.262	1.095,761	5.790,023	5,284	4,819
33	22	97.384	24.659,071	486.642,410	19,735	19,270	83	72	29.652	936,989	4.694,262	5,010	4,545
34	23	97.272	23.626,637	461.983,340	19,553	19,088	84	73	26.150	792,655	3.757,273	4,740	4,275
35	24	97.154	22.635,888	438.356,702	19,366	18,900	85	74	22.793	662,720	2.964,618	4,473	4,008
36	25	97.026	21.684,467	415.720,814	19,171	18,706	86	75	19.686	549,042	2.301,898	4,193	3,727
37	26	96.892	20.771,855	394.036,347	18,970	18,505	87	76	16.635	445,049	1.752,856	3,939	3,473
38	27	96.748	19.895,397	373.264,492	18,761	18,296	88	77	13.728	352,293	1.307,807	3,712	3,247
39	28	96.587	19.052,462	353.369,095	18,547	18,082	89	78	11.083	272,829	955,514	3,502	3,037
40	29	96.409	18.242,159	334.316,634	18,327	17,861	90	79	8.753	206,697	682,685	3,303	2,838
41	30	96.215	17.463,225	316.074,475	18,099	17,634	91	80	6.758	153,081	475,988	3,109	2,644
42	31	96.001	16.713,998	298.611,250	17,866	17,401	92	81	5.062	109,976	322,907	2,936	2,471
43	32	95.755	15.991,537	281.897,252	17,628	17,163	93	82	3.681	76,709	212,932	2,776	2,311
44	33	95.484	15.296,190	265.905,715	17,384	16,919	94	83	2.590	51,781	136,222	2,631	2,166
45	34	95.190	14.627,393	250.609,525	17,133	16,668	95	84	1.765	33,851	84,441	2,495	2,029
46	35	94.852	13.981,340	235.982,132	16,878	16,413	96	85	1.161	21,365	50,591	2,368	1,903
47	36	94.482	13.358,993	222.000,793	16,618	16,153	97	86	739	13,034	29,226	2,242	1,777
48	37	94.075	12.759,134	208.641,800	16,352	15,887	98	87	450	7,612	16,193	2,127	1,662
49	38	93.633	12.181,538	195.882,666	16,080	15,615	99	88	261	4,235	8,581	2,026	1,561
							100	89	144	2,250	4,345	1,931	1,466

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 12 Jahre

Zinsfuß 4,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	38	93.213	11.632,482	184.325,479	15,846	15,381
1							51	39	92.686	11.095,197	172.692,997	15,565	15,099
2							52	40	92.132	10.579,263	161.597,800	15,275	14,810
3							53	41	91.512	10.079,681	151.018,536	14,982	14,517
4							54	42	90.847	9.598,488	140.938,855	14,683	14,218
5							55	43	90.129	9.134,380	131.340,368	14,379	13,913
6							56	44	89.338	8.685,120	122.205,987	14,071	13,606
7							57	45	88.515	8.254,301	113.520,867	13,753	13,288
8							58	46	87.610	7.836,835	105.266,566	13,432	12,967
9							59	47	86.619	7.432,335	97.429,731	13,109	12,644
10							60	48	85.542	7.040,682	89.997,396	12,782	12,317
11							61	49	84.399	6.663,461	82.956,714	12,449	11,984
12	0	99.370	60.303,336	1.341.862,436	22,252	21,787	62	50	83.185	6.299,837	76.293,254	12,110	11,645
13	1	98.980	57.617,768	1.281.559,100	22,242	21,777	63	51	81.857	5.946,548	69.993,417	11,770	11,305
14	2	98.931	55.241,885	1.223.941,332	22,156	21,691	64	52	80.450	5.606,080	64.046,869	11,425	10,959
15	3	98.893	52.969,566	1.168.699,447	22,064	21,598	65	53	78.941	5.276,667	58.440,789	11,075	10,610
16	4	98.853	50.789,431	1.115.729,881	21,968	21,503	66	54	77.314	4.957,206	53.164,121	10,725	10,259
17	5	98.802	48.693,929	1.064.940,450	21,870	21,405	67	55	75.571	4.647,903	48.206,916	10,372	9,907
18	6	98.740	46.679,027	1.016.246,521	21,771	21,306	68	56	73.672	4.346,999	43.559,013	10,022	9,557
19	7	98.656	44.737,959	969.567,494	21,672	21,207	69	57	71.642	4.054,306	39.212,614	9,672	9,207
20	8	98.567	42.875,812	924.829,535	21,570	21,105	70	58	69.485	3.771,962	35.158,308	9,321	8,856
21	9	98.483	41.092,664	881.953,723	21,463	20,997	71	59	67.178	3.498,078	31.386,346	8,972	8,507
22	10	98.400	39.383,972	840.861,059	21,350	20,885	72	60	64.732	3.233,284	27.888,268	8,625	8,160
23	11	98.317	37.746,732	801.477,087	21,233	20,768	73	61	62.110	2.975,813	24.654,984	8,285	7,820
24	12	98.235	36.177,666	763.730,354	21,111	20,645	74	62	59.365	2.728,347	21.679,171	7,946	7,481
25	13	98.155	34.674,673	727.552,688	20,982	20,517	75	63	56.487	2.490,237	18.950,824	7,610	7,145
26	14	98.074	33.233,527	692.878,015	20,849	20,384	76	64	53.508	2.262,777	16.460,587	7,275	6,809
27	15	97.992	31.852,173	659.644,488	20,710	20,244	77	65	50.467	2.047,170	14.197,810	6,935	6,470
28	16	97.905	30.526,337	627.792,316	20,566	20,100	78	66	47.315	1.841,065	12.150,640	6,600	6,135
29	17	97.812	29.254,138	597.265,978	20,416	19,951	79	67	44.041	1.643,785	10.309,575	6,272	5,807
30	18	97.722	28.035,617	568.011,840	20,260	19,795	80	68	40.690	1.456,809	8.665,790	5,948	5,483
31	19	97.622	26.865,303	539.976,223	20,099	19,634	81	69	37.235	1.278,769	7.208,981	5,637	5,172
32	20	97.518	25.742,587	513.110,920	19,932	19,467	82	70	33.742	1.111,560	5.930,211	5,335	4,870
33	21	97.408	24.665,106	487.368,333	19,759	19,294	83	71	30.140	952,430	4.818,651	5,059	4,594
34	22	97.298	23.633,036	462.703,227	19,579	19,113	84	72	26.630	807,208	3.866,221	4,790	4,324
35	23	97.179	22.641,796	439.070,191	19,392	18,927	85	73	23.267	676,502	3.059,013	4,522	4,057
36	24	97.052	21.690,360	416.428,396	19,199	18,734	86	74	20.144	561,830	2.382,511	4,241	3,775
37	25	96.916	20.776,967	394.738,036	18,999	18,534	87	75	17.078	456,895	1.820,681	3,985	3,520
38	26	96.775	19.900,968	373.961,069	18,791	18,326	88	76	14.137	362,795	1.363,786	3,759	3,294
39	27	96.615	19.058,016	354.060,100	18,578	18,113	89	77	11.456	282,003	1.000,991	3,550	3,084
40	28	96.438	18.247,575	335.002,084	18,359	17,894	90	78	9.090	214,652	718,988	3,350	2,884
41	29	96.243	17.468,338	316.754,509	18,133	17,668	91	79	7.055	159,803	504,335	3,156	2,691
42	30	96.032	16.719,473	299.286,172	17,900	17,435	92	80	5.321	115,607	344,532	2,980	2,515
43	31	95.789	15.997,252	282.566,699	17,663	17,198	93	81	3.898	81,238	228,925	2,818	2,353
44	32	95.518	15.301,630	266.569,447	17,421	16,956	94	82	2.769	55,359	147,687	2,668	2,203
45	33	95.228	14.633,240	251.267,817	17,171	16,706	95	83	1.901	36,463	92,328	2,532	2,067
46	34	94.897	13.987,898	236.634,577	16,917	16,452	96	84	1.263	23,232	55,865	2,405	1,939
47	35	94.530	13.365,835	222.646,680	16,658	16,193	97	85	809	14,273	32,633	2,286	1,821
48	36	94.128	12.766,353	209.280,844	16,393	15,928	98	86	500	8,465	18,360	2,169	1,704
49	37	93.691	12.189,012	196.514,491	16,122	15,657	99	87	296	4,801	9,895	2,061	1,596
							100	88	166	2,591	5,094	1,966	1,501

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 13 Jahre

Zinsfuß 4,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	37	93.270	11.639,620	184.896,886	15,885	15,420
1							51	38	92.751	11.102,964	173.257,266	15,605	15,139
2							52	39	92.206	10.587,736	162.154,302	15,315	14,850
3							53	40	91.592	10.088,458	151.566,566	15,024	14,559
4							54	41	90.937	9.607,985	141.478,108	14,725	14,260
5							55	42	90.230	9.144,665	131.870,123	14,420	13,955
6							56	43	89.454	8.696,408	122.725,458	14,112	13,647
7							57	44	88.638	8.265,807	114.029,049	13,795	13,330
8							58	45	87.749	7.849,284	105.763,242	13,474	13,009
9							59	46	86.775	7.445,707	97.913,958	13,150	12,685
10							60	47	85.709	7.054,400	90.468,251	12,824	12,359
11							61	48	84.579	6.677,617	83.413,851	12,492	12,026
12							62	49	83.386	6.315,035	76.736,234	12,151	11,686
13	0	99.357	57.837,373	1.282.562,830	22,175	21,710	63	50	82.065	5.961,611	70.421,199	11,812	11,347
14	1	98.967	55.261,676	1.224.725,457	22,162	21,697	64	51	80.674	5.621,693	64.459,588	11,466	11,001
15	2	98.913	52.980,041	1.169.463,781	22,074	21,608	65	52	79.181	5.292,668	58.837,895	11,117	10,652
16	3	98.870	50.798,150	1.116.483,739	21,979	21,514	66	53	77.559	4.972,908	53.545,227	10,767	10,302
17	4	98.815	48.700,218	1.065.685,589	21,883	21,417	67	54	75.834	4.664,126	48.572,319	10,414	9,949
18	5	98.752	46.685,130	1.016.985,371	21,784	21,319	68	55	73.952	4.362,920	43.908,193	10,064	9,599
19	6	98.665	44.742,082	970.300,241	21,687	21,221	69	56	71.930	4.070,648	39.545,273	9,715	9,250
20	7	98.576	42.879,546	925.558,159	21,585	21,120	70	57	69.797	3.788,873	35.474,624	9,363	8,898
21	8	98.493	41.096,609	882.678,612	21,478	21,013	71	58	67.504	3.515,005	31.685,752	9,014	8,549
22	9	98.406	39.386,517	841.582,003	21,367	20,902	72	59	65.063	3.249,805	28.170,747	8,668	8,203
23	10	98.325	37.749,907	802.195,486	21,250	20,785	73	60	62.453	2.992,284	24.920,942	8,328	7,863
24	11	98.244	36.181,059	764.445,579	21,128	20,663	74	61	59.701	2.743,787	21.928,658	7,992	7,527
25	12	98.164	34.677,618	728.264,520	21,001	20,536	75	62	56.844	2.506,007	19.184,871	7,656	7,190
26	13	98.084	33.236,748	693.586,902	20,868	20,403	76	63	53.875	2.278,273	16.678,864	7,321	6,856
27	14	98.004	31.855,885	660.350,155	20,729	20,264	77	64	50.839	2.062,251	14.400,590	6,983	6,518
28	15	97.922	30.531,792	628.494,270	20,585	20,120	78	65	47.705	1.856,226	12.338,340	6,647	6,182
29	16	97.833	29.260,335	597.962,478	20,436	19,971	79	66	44.443	1.658,808	10.482,114	6,319	5,854
30	17	97.743	28.041,787	568.702,143	20,281	19,815	80	67	41.108	1.471,770	8.823,306	5,995	5,530
31	18	97.651	26.873,031	540.660,356	20,119	19,654	81	68	37.666	1.293,565	7.351,536	5,683	5,218
32	19	97.545	25.749,725	513.787,324	19,953	19,488	82	69	34.178	1.125,925	6.057,972	5,380	4,915
33	20	97.438	24.672,899	488.037,600	19,780	19,315	83	70	30.575	966,163	4.932,047	5,105	4,640
34	21	97.322	23.638,820	463.364,701	19,602	19,137	84	71	27.069	820,511	3.965,884	4,833	4,368
35	22	97.205	22.647,927	439.725,881	19,416	18,951	85	72	23.694	688,922	3.145,374	4,566	4,100
36	23	97.077	21.696,020	417.077,954	19,224	18,758	86	73	20.563	573,514	2.456,451	4,283	3,818
37	24	96.943	20.782,614	395.381,934	19,025	18,559	87	74	17.476	467,537	1.882,937	4,027	3,562
38	25	96.799	19.905,866	374.599,320	18,819	18,353	88	75	14.513	372,452	1.415,401	3,800	3,335
39	26	96.642	19.063,353	354.693,454	18,606	18,141	89	76	11.797	290,410	1.042,948	3,591	3,126
40	27	96.466	18.252,894	335.630,101	18,388	17,923	90	77	9.396	221,870	752,538	3,392	2,927
41	28	96.272	17.473,524	317.377,206	18,163	17,698	91	78	7.327	165,954	530,668	3,198	2,732
42	29	96.060	16.724,368	299.903,682	17,932	17,467	92	79	5.555	120,684	364,714	3,022	2,557
43	30	95.820	16.002,491	283.179,314	17,696	17,231	93	80	4.098	85,398	244,030	2,858	2,392
44	31	95.552	15.307,098	267.176,823	17,454	16,989	94	81	2.933	58,627	158,632	2,706	2,241
45	32	95.262	14.638,445	251.869,724	17,206	16,741	95	82	2.033	38,983	100,005	2,565	2,100
46	33	94.935	13.993,489	237.231,280	16,953	16,488	96	83	1.360	25,025	61,023	2,438	1,973
47	34	94.575	13.372,104	223.237,791	16,694	16,229	97	84	880	15,520	35,998	2,319	1,854
48	35	94.176	12.772,892	209.865,686	16,431	15,965	98	85	548	9,270	20,478	2,209	1,744
49	36	93.744	12.195,909	197.092,794	16,161	15,695	99	86	329	5,339	11,208	2,099	1,634
							100	87	189	2,937	5,868	1,998	1,533

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 14 Jahre

Zinsfuß 4,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	36	93.323	11.646,205	185.419,828	15,921	15,456
1							51	37	92.808	11.109,776	173.773,623	15,642	15,176
2							52	38	92.270	10.595,148	162.663,846	15,353	14,887
3							53	39	91.665	10.096,538	152.068,699	15,061	14,596
4							54	40	91.016	9.616,351	141.972,161	14,764	14,298
5							55	41	90.319	9.153,713	132.355,810	14,459	13,994
6							56	42	89.555	8.706,200	123.202,096	14,151	13,686
7							57	43	88.753	8.276,551	114.495,896	13,834	13,369
8							58	44	87.871	7.860,225	106.219,346	13,514	13,048
9							59	45	86.913	7.457,535	98.359,120	13,189	12,724
10							60	46	85.863	7.067,092	90.901,585	12,863	12,397
11							61	47	84.744	6.690,628	83.834,493	12,530	12,065
12							62	48	83.563	6.328,451	77.143,865	12,190	11,725
13							63	49	82.263	5.975,993	70.815,414	11,850	11,385
14	0	99.344	55.472,301	1.225.656,211	22,095	21,630	64	50	80.879	5.635,933	64.839,421	11,505	11,039
15	1	98.948	52.999,022	1.170.183,910	22,079	21,614	65	51	79.401	5.307,408	59.203,488	11,155	10,690
16	2	98.890	50.808,196	1.117.184,888	21,988	21,523	66	52	77.794	4.987,987	53.896,080	10,805	10,340
17	3	98.832	48.708,579	1.066.376,692	21,893	21,428	67	53	76.075	4.678,900	48.908,092	10,453	9,988
18	4	98.765	46.691,160	1.017.668,113	21,796	21,331	68	54	74.210	4.378,149	44.229,192	10,102	9,637
19	5	98.678	44.747,932	970.976,953	21,699	21,234	69	55	72.204	4.086,122	39.851,044	9,753	9,288
20	6	98.585	42.883,498	926.229,021	21,599	21,134	70	56	70.078	3.804,145	35.764,922	9,402	8,936
21	7	98.501	41.100,189	883.345,523	21,492	21,027	71	57	67.806	3.530,764	31.960,777	9,052	8,587
22	8	98.415	39.390,298	842.245,334	21,382	20,917	72	58	65.378	3.265,530	28.430,013	8,706	8,241
23	9	98.332	37.752,346	802.855,036	21,266	20,801	73	59	62.772	3.007,573	25.164,483	8,367	7,902
24	10	98.252	36.184,102	765.102,690	21,145	20,680	74	60	60.031	2.758,973	22.156,910	8,031	7,566
25	11	98.173	34.680,870	728.918,588	21,018	20,553	75	61	57.166	2.520,189	19.397,937	7,697	7,232
26	12	98.092	33.239,570	694.237,718	20,886	20,421	76	62	54.216	2.292,701	16.877,747	7,362	6,896
27	13	98.013	31.858,971	660.998,147	20,748	20,282	77	63	51.187	2.076,374	14.585,046	7,024	6,559
28	14	97.934	30.535,351	629.139,176	20,604	20,138	78	64	48.056	1.869,900	12.508,672	6,689	6,224
29	15	97.850	29.265,564	598.603,825	20,454	19,989	79	65	44.809	1.672,468	10.638,772	6,361	5,896
30	16	97.764	28.047,727	569.338,262	20,299	19,834	80	66	41.484	1.485,221	8.966,305	6,037	5,572
31	17	97.672	26.878,945	541.290,535	20,138	19,673	81	67	38.053	1.306,849	7.481,084	5,725	5,259
32	18	97.573	25.757,132	514.411,590	19,972	19,506	82	68	34.573	1.138,951	6.174,235	5,421	4,956
33	19	97.465	24.679,740	488.654,457	19,800	19,335	83	69	30.970	978,649	5.035,284	5,145	4,680
34	20	97.353	23.646,288	463.974,717	19,621	19,156	84	70	27.459	832,341	4.056,635	4,874	4,409
35	21	97.229	22.653,470	440.328,429	19,438	18,972	85	71	24.084	700,275	3.224,294	4,604	4,139
36	22	97.104	21.701,896	417.674,959	19,246	18,781	86	72	20.940	584,044	2.524,019	4,322	3,856
37	23	96.968	20.788,037	395.973,063	19,048	18,583	87	73	17.839	477,260	1.939,975	4,065	3,600
38	24	96.825	19.911,276	375.185,026	18,843	18,378	88	74	14.851	381,127	1.462,715	3,838	3,373
39	25	96.666	19.068,045	355.273,750	18,632	18,167	89	75	12.111	298,140	1.081,588	3,628	3,163
40	26	96.493	18.258,006	336.205,705	18,414	17,949	90	76	9.676	228,485	783,448	3,429	2,964
41	27	96.300	17.478,618	317.947,699	18,191	17,725	91	77	7.573	171,535	554,963	3,235	2,770
42	28	96.089	16.729,334	300.469,080	17,961	17,495	92	78	5.768	125,329	383,429	3,059	2,594
43	29	95.849	16.007,177	283.739,747	17,726	17,261	93	79	4.277	89,148	258,100	2,895	2,430
44	30	95.583	15.312,112	267.732,570	17,485	17,020	94	80	3.083	61,629	168,952	2,741	2,276
45	31	95.296	14.643,676	252.420,459	17,238	16,772	95	81	2.153	41,284	107,323	2,600	2,134
46	32	94.968	13.998,466	237.776,783	16,986	16,521	96	82	1.454	26,754	66,039	2,468	2,003
47	33	94.612	13.377,450	223.778,317	16,728	16,263	97	83	947	16,718	39,285	2,350	1,885
48	34	94.220	12.778,883	210.400,867	16,465	16,000	98	84	596	10,080	22,567	2,239	1,773
49	35	93.792	12.202,156	197.621,984	16,196	15,730	99	85	360	5,847	12,487	2,136	1,670
							100	86	210	3,266	6,640	2,033	1,568

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 15 Jahre

Zinsfuß 4,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	35	93.371	11.652,171	185.898,327	15,954	15,489
1							51	36	92.860	11.116,062	174.246,156	15,675	15,210
2							52	37	92.327	10.601,649	163.130,094	15,387	14,922
3							53	38	91.729	10.103,605	152.528,445	15,096	14,631
4							54	39	91.089	9.624,053	142.424,840	14,799	14,334
5							55	40	90.398	9.161,684	132.800,787	14,495	14,030
6							56	41	89.643	8.714,815	123.639,103	14,187	13,722
7							57	42	88.853	8.285,869	114.924,289	13,870	13,405
8							58	43	87.985	7.870,441	106.638,419	13,549	13,084
9							59	44	87.034	7.467,930	98.767,978	13,226	12,760
10							60	45	85.999	7.078,319	91.300,048	12,899	12,433
11							61	46	84.896	6.702,665	84.221,729	12,565	12,100
12							62	47	83.726	6.340,782	77.519,063	12,225	11,760
13							63	48	82.437	5.988,689	71.178,282	11,885	11,420
14							64	49	81.074	5.649,530	65.189,593	11,539	11,074
15	0	99.326	53.201,023	1.171.047,335	22,012	21,547	65	50	79.602	5.320,852	59.540,063	11,190	10,725
16	1	98.925	50.826,399	1.117.846,311	21,993	21,528	66	51	78.011	5.001,879	54.219,211	10,840	10,375
17	2	98.852	48.718,211	1.067.019,913	21,902	21,437	67	52	76.305	4.693,088	49.217,332	10,487	10,022
18	3	98.782	46.699,176	1.018.301,701	21,806	21,340	68	53	74.445	4.392,017	44.524,244	10,138	9,672
19	4	98.690	44.753,712	971.602,525	21,710	21,245	69	54	72.456	4.100,384	40.132,227	9,787	9,322
20	5	98.598	42.889,105	926.848,813	21,610	21,145	70	55	70.344	3.818,606	36.031,844	9,436	8,971
21	6	98.510	41.103,976	883.959,709	21,505	21,040	71	56	68.079	3.544,996	32.213,238	9,087	8,622
22	7	98.424	39.393,729	842.855,733	21,396	20,930	72	57	65.671	3.280,170	28.668,242	8,740	8,275
23	8	98.341	37.755,971	803.462,004	21,280	20,815	73	58	63.076	3.022,127	25.388,072	8,401	7,936
24	9	98.259	36.186,440	765.706,033	21,160	20,695	74	59	60.338	2.773,071	22.365,945	8,065	7,600
25	10	98.181	34.683,787	729.519,593	21,033	20,568	75	60	57.482	2.534,138	19.592,875	7,732	7,266
26	11	98.101	33.242,688	694.835,806	20,902	20,437	76	61	54.523	2.305,676	17.058,737	7,399	6,933
27	12	98.022	31.861,677	661.593,118	20,765	20,299	77	62	51.511	2.089,523	14.753,061	7,060	6,595
28	13	97.943	30.538,309	629.731,441	20,621	20,156	78	63	48.386	1.882,706	12.663,538	6,726	6,261
29	14	97.862	29.268,975	599.193,131	20,472	20,007	79	64	45.139	1.684,788	10.780,832	6,399	5,934
30	15	97.782	28.052,739	569.924,157	20,316	19,851	80	65	41.825	1.497,451	9.096,044	6,074	5,609
31	16	97.693	26.884,639	541.871,418	20,155	19,690	81	66	38.401	1.318,792	7.598,593	5,762	5,297
32	17	97.595	25.762,801	514.986,779	19,990	19,524	82	67	34.928	1.150,648	6.279,800	5,458	4,992
33	18	97.493	24.686,840	489.223,979	19,817	19,352	83	68	31.328	989,972	5.129,153	5,181	4,716
34	19	97.380	23.652,845	464.537,139	19,640	19,175	84	69	27.814	843,097	4.139,181	4,909	4,444
35	20	97.260	22.660,627	440.884,294	19,456	18,991	85	70	24.432	710,372	3.296,084	4,640	4,175
36	21	97.128	21.707,207	418.223,666	19,267	18,801	86	71	21.286	593,668	2.585,711	4,355	3,890
37	22	96.994	20.793,667	396.516,459	19,069	18,604	87	72	18.167	486,022	1.992,043	4,099	3,633
38	23	96.851	19.916,472	375.722,792	18,865	18,400	88	73	15.160	389,053	1.506,021	3,871	3,406
39	24	96.692	19.073,227	355.806,320	18,655	18,190	89	74	12.393	305,084	1.116,967	3,661	3,196
40	25	96.517	18.262,500	336.733,093	18,438	17,973	90	75	9.934	234,566	811,883	3,461	2,996
41	26	96.327	17.483,513	318.470,593	18,215	17,750	91	76	7.799	176,648	577,317	3,268	2,803
42	27	96.117	16.734,210	300.987,081	17,986	17,521	92	77	5.962	129,543	400,668	3,093	2,628
43	28	95.877	16.011,929	284.252,870	17,753	17,287	93	78	4.442	92,579	271,125	2,929	2,463
44	29	95.611	15.316,595	268.240,941	17,513	17,048	94	79	3.218	64,335	178,546	2,775	2,310
45	30	95.327	14.648,472	252.924,346	17,266	16,801	95	80	2.263	43,398	114,211	2,632	2,166
46	31	95.002	14.003,469	238.275,874	17,015	16,550	96	81	1.540	28,333	70,813	2,499	2,034
47	32	94.646	13.382,208	224.272,406	16,759	16,294	97	82	1.013	17,873	42,479	2,377	1,912
48	33	94.258	12.783,991	210.890,197	16,496	16,031	98	83	642	10,858	24,607	2,266	1,801
49	34	93.836	12.207,879	198.106,206	16,228	15,763	99	84	392	6,358	13,748	2,162	1,697
							100	85	230	3,577	7,390	2,066	1,601

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 16 Jahre

Zinsfuß 4,25%

Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	34	93.414	11.657,636	186.336,152	15,984	15,519
1							51	35	92.908	11.121,756	174.678,516	15,706	15,241
2							52	36	92.379	10.607,647	163.556,760	15,419	14,954
3							53	37	91.786	10.109,805	152.949,113	15,129	14,664
4							54	38	91.153	9.630,790	142.839,308	14,832	14,366
5							55	39	90.470	9.169,022	133.208,519	14,528	14,063
6							56	40	89.721	8.722,403	124.039,497	14,221	13,756
7							57	41	88.941	8.294,068	115.317,094	13,904	13,438
8							58	42	88.085	7.879,303	107.023,026	13,583	13,118
9							59	43	87.147	7.477,636	99.143,723	13,259	12,793
10							60	44	86.119	7.088,186	91.666,087	12,932	12,467
11							61	45	85.031	6.713,313	84.577,901	12,599	12,133
12							62	46	83.876	6.352,190	77.864,589	12,258	11,793
13							63	47	82.598	6.000,358	71.512,398	11,918	11,453
14							64	48	81.246	5.661,532	65.512,041	11,571	11,106
15							65	49	79.794	5.333,688	59.850,509	11,221	10,756
16	0	99.302	51.020,119	1.118.647,613	21,926	21,460	66	50	78.208	5.014,549	54.516,820	10,872	10,407
17	1	98.887	48.735,666	1.067.627,494	21,906	21,441	67	51	76.518	4.706,158	49.502,272	10,519	10,053
18	2	98.802	46.708,411	1.018.891,828	21,814	21,349	68	52	74.671	4.405,335	44.796,113	10,169	9,703
19	3	98.707	44.761,395	972.183,418	21,719	21,254	69	53	72.685	4.113,372	40.390,778	9,819	9,354
20	4	98.611	42.894,645	927.422,023	21,621	21,156	70	54	70.590	3.831,934	36.277,407	9,467	9,002
21	5	98.523	41.109,350	884.527,378	21,516	21,051	71	55	68.338	3.558,471	32.445,472	9,118	8,653
22	6	98.433	39.397,359	843.418,028	21,408	20,943	72	56	65.936	3.293,392	28.887,001	8,771	8,306
23	7	98.350	37.759,259	804.020,669	21,293	20,828	73	57	63.359	3.035,675	25.593,609	8,431	7,966
24	8	98.268	36.189,914	766.261,409	21,173	20,708	74	58	60.630	2.786,489	22.557,934	8,095	7,630
25	9	98.187	34.686,028	730.071,495	21,048	20,583	75	59	57.776	2.547,087	19.771,444	7,762	7,297
26	10	98.109	33.245,484	695.385,467	20,917	20,451	76	60	54.825	2.318,437	17.224,358	7,429	6,964
27	11	98.031	31.864,666	662.139,984	20,780	20,315	77	61	51.803	2.101,348	14.905,921	7,094	6,628
28	12	97.952	30.540,903	630.275,318	20,637	20,172	78	62	48.692	1.894,629	12.804,573	6,758	6,293
29	13	97.871	29.271,811	599.734,415	20,488	20,023	79	63	45.448	1.696,326	10.909,944	6,432	5,966
30	14	97.793	28.056,008	570.462,604	20,333	19,868	80	64	42.133	1.508,482	9.213,618	6,108	5,643
31	15	97.710	26.889,443	542.406,596	20,172	19,707	81	65	38.717	1.329,652	7.705,135	5,795	5,330
32	16	97.616	25.768,258	515.517,153	20,006	19,541	82	66	35.248	1.161,164	6.375,483	5,491	5,025
33	17	97.515	24.692,273	489.748,895	19,834	19,369	83	67	31.650	1.000,138	5.214,319	5,214	4,748
34	18	97.408	23.659,649	465.056,623	19,656	19,191	84	68	28.136	852,852	4.214,181	4,941	4,476
35	19	97.287	22.666,911	441.396,973	19,473	19,008	85	69	24.747	719,552	3.361,329	4,671	4,206
36	20	97.158	21.714,065	418.730,062	19,284	18,819	86	70	21.592	602,228	2.641,777	4,387	3,921
37	21	97.018	20.798,756	397.015,997	19,088	18,623	87	71	18.466	494,032	2.039,549	4,128	3,663
38	22	96.877	19.921,866	376.217,241	18,885	18,419	88	72	15.438	396,196	1.545,517	3,901	3,436
39	23	96.717	19.078,204	356.295,375	18,676	18,210	89	73	12.651	311,429	1.149,321	3,690	3,225
40	24	96.543	18.267,463	337.217,171	18,460	17,995	90	74	10.165	240,030	837,892	3,491	3,026
41	25	96.351	17.487,816	318.949,708	18,238	17,773	91	75	8.006	181,350	597,862	3,297	2,832
42	26	96.144	16.738,897	301.461,892	18,010	17,544	92	76	6.140	133,405	416,512	3,122	2,657
43	27	95.905	16.016,597	284.722,995	17,777	17,312	93	77	4.591	95,692	283,107	2,959	2,493
44	28	95.640	15.321,143	268.706,398	17,538	17,073	94	78	3.342	66,811	187,414	2,805	2,340
45	29	95.355	14.652,761	253.385,256	17,293	16,827	95	79	2.362	45,304	120,603	2,662	2,197
46	30	95.034	14.008,055	238.732,495	17,043	16,577	96	80	1.619	29,784	75,299	2,528	2,063
47	31	94.680	13.386,990	224.724,440	16,787	16,322	97	81	1.073	18,928	45,515	2,405	1,939
48	32	94.291	12.788,539	211.337,450	16,526	16,060	98	82	686	11,609	26,587	2,290	1,825
49	33	93.873	12.212,759	198.548,911	16,257	15,792	99	83	422	6,849	14,978	2,187	1,722
							100	84	250	3,889	8,129	2,090	1,625

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 17 Jahre

Zinsfuß 4,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	33	93.452	11.662,296	186.736,416	16,012	15,547
1							51	34	92.951	11.126,972	175.074,120	15,734	15,269
2							52	35	92.427	10.613,080	163.947,148	15,448	14,982
3							53	36	91.837	10.115,525	153.334,067	15,158	14,693
4							54	37	91.209	9.636,699	143.218,542	14,862	14,397
5							55	38	90.534	9.175,440	133.581,843	14,559	14,093
6							56	39	89.793	8.729,389	124.406,403	14,251	13,786
7							57	40	89.019	8.301,290	115.677,015	13,935	13,470
8							58	41	88.172	7.887,099	107.375,725	13,614	13,149
9							59	42	87.245	7.486,056	99.488,625	13,290	12,825
10							60	43	86.231	7.097,398	92.002,570	12,963	12,498
11							61	44	85.149	6.722,671	84.905,172	12,630	12,164
12							62	45	84.010	6.362,281	78.182,501	12,288	11,823
13							63	46	82.747	6.011,154	71.820,220	11,948	11,483
14							64	47	81.404	5.672,563	65.809,066	11,601	11,136
15							65	48	79.964	5.345,020	60.136,503	11,251	10,786
16							66	49	78.397	5.026,647	54.791,484	10,900	10,435
17	0	99.264	48.921,417	1.068.371,452	21,839	21,373	67	50	76.712	4.718,079	49.764,837	10,548	10,082
18	1	98.837	46.725,145	1.019.450,034	21,818	21,353	68	51	74.879	4.417,604	45.046,758	10,197	9,732
19	2	98.727	44.770,247	972.724,890	21,727	21,262	69	52	72.906	4.125,845	40.629,155	9,847	9,382
20	3	98.628	42.902,009	927.954,643	21,630	21,164	70	53	70.813	3.844,072	36.503,309	9,496	9,031
21	4	98.536	41.114,660	885.052,634	21,526	21,061	71	54	68.577	3.570,892	32.659,238	9,146	8,681
22	5	98.446	39.402,510	843.937,974	21,418	20,953	72	55	66.186	3.305,911	29.088,346	8,799	8,334
23	6	98.359	37.762,739	804.535,464	21,305	20,840	73	56	63.614	3.047,912	25.782,435	8,459	7,994
24	7	98.277	36.193,066	766.772,725	21,186	20,720	74	57	60.902	2.798,982	22.734,523	8,122	7,657
25	8	98.197	34.689,358	730.579,659	21,061	20,595	75	58	58.056	2.559,412	19.935,541	7,789	7,324
26	9	98.116	33.247,632	695.890,301	20,931	20,465	76	59	55.105	2.330,284	17.376,130	7,457	6,991
27	10	98.039	31.867,345	662.642,669	20,794	20,329	77	60	52.090	2.112,978	15.045,846	7,121	6,655
28	11	97.961	30.543,768	630.775,324	20,652	20,186	78	61	48.967	1.905,351	12.932,867	6,788	6,322
29	12	97.880	29.274,297	600.231,556	20,504	20,038	79	62	45.736	1.707,069	11.027,517	6,460	5,995
30	13	97.802	28.058,727	570.957,259	20,349	19,883	80	63	42.422	1.518,813	9.320,448	6,137	5,671
31	14	97.722	26.892,577	542.898,533	20,188	19,722	81	64	39.002	1.339,447	7.801,635	5,825	5,359
32	15	97.633	25.772,863	516.005,956	20,021	19,556	82	65	35.538	1.170,726	6.462,188	5,520	5,055
33	16	97.536	24.697,503	490.233,093	19,850	19,384	83	66	31.939	1.009,279	5.291,462	5,243	4,778
34	17	97.429	23.664,856	465.535,590	19,672	19,207	84	67	28.425	861,610	4.282,183	4,970	4,505
35	18	97.315	22.673,432	441.870,734	19,488	19,023	85	68	25.034	727,878	3.420,573	4,699	4,234
36	19	97.185	21.720,086	419.197,302	19,300	18,835	86	69	21.872	610,011	2.692,696	4,414	3,949
37	20	97.049	20.805,327	397.477,216	19,105	18,639	87	70	18.732	501,155	2.082,685	4,156	3,691
38	21	96.901	19.926,741	376.671,889	18,903	18,438	88	71	15.693	402,725	1.581,530	3,927	3,462
39	22	96.743	19.083,371	356.745,147	18,694	18,229	89	72	12.883	317,147	1.178,804	3,717	3,252
40	23	96.568	18.272,230	337.661,776	18,480	18,014	90	73	10.376	245,022	861,658	3,517	3,051
41	24	96.377	17.492,568	319.389,546	18,259	17,793	91	74	8.193	185,574	616,636	3,323	2,858
42	25	96.168	16.743,017	301.896,978	18,031	17,566	92	75	6.303	136,956	431,062	3,147	2,682
43	26	95.932	16.021,082	285.153,961	17,799	17,333	93	76	4.728	98,545	294,106	2,984	2,519
44	27	95.668	15.325,609	269.132,879	17,561	17,096	94	77	3.454	69,058	195,561	2,832	2,367
45	28	95.383	14.657,111	253.807,270	17,316	16,851	95	78	2.453	47,048	126,503	2,689	2,224
46	29	95.061	14.012,157	239.150,159	17,067	16,602	96	79	1.690	31,092	79,455	2,555	2,090
47	30	94.711	13.391,375	225.138,002	16,812	16,347	97	80	1.128	19,897	48,363	2,431	1,965
48	31	94.325	12.793,108	211.746,628	16,552	16,086	98	81	726	12,294	28,466	2,315	1,850
49	32	93.906	12.217,103	198.953,519	16,285	15,820	99	82	451	7,322	16,172	2,209	1,743
							100	83	269	4,190	8,850	2,112	1,647

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 18 Jahre

Zinsfuß 4,25%

Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	32	93.485	11.666,445	187.102,211	16,038	15,572
1							51	33	92.989	11.131,420	175.435,766	15,760	15,295
2							52	34	92.470	10.618,058	164.304,346	15,474	15,009
3							53	35	91.884	10.120,706	153.686,287	15,185	14,720
4							54	36	91.260	9.642,151	143.565,581	14,889	14,424
5							55	37	90.589	9.181,070	133.923,430	14,587	14,122
6							56	38	89.856	8.735,499	124.742,360	14,280	13,815
7							57	39	89.090	8.307,939	116.006,861	13,963	13,498
8							58	40	88.248	7.893,967	107.698,922	13,643	13,178
9							59	41	87.331	7.493,463	99.804,955	13,319	12,854
10							60	42	86.328	7.105,389	92.311,492	12,992	12,527
11							61	43	85.260	6.731,408	85.206,103	12,658	12,193
12							62	44	84.127	6.371,150	78.474,695	12,317	11,852
13							63	45	82.878	6.020,702	72.103,545	11,976	11,511
14							64	46	81.551	5.682,769	66.082,843	11,629	11,163
15							65	47	80.120	5.355,434	60.400,074	11,278	10,813
16							66	48	78.563	5.037,325	55.044,640	10,927	10,462
17							67	49	76.897	4.729,462	50.007,314	10,574	10,108
18	0	99.214	46.903,234	1.020.141,049	21,750	21,285	68	50	75.069	4.428,794	45.277,853	10,224	9,758
19	1	98.762	44.786,287	973.237,815	21,731	21,265	69	51	73.109	4.137,336	40.849,059	9,873	9,408
20	2	98.647	42.910,493	928.451,528	21,637	21,172	70	52	71.028	3.855,729	36.711,724	9,521	9,056
21	3	98.553	41.121,719	885.541,036	21,535	21,069	71	53	68.794	3.582,203	32.855,995	9,172	8,707
22	4	98.459	39.407,600	844.419,317	21,428	20,963	72	54	66.417	3.317,450	29.273,793	8,824	8,359
23	5	98.372	37.767,676	805.011,717	21,315	20,850	73	55	63.856	3.059,498	25.956,342	8,484	8,019
24	6	98.286	36.196,402	767.244,042	21,197	20,731	74	56	61.147	2.810,264	22.896,845	8,148	7,682
25	7	98.205	34.692,379	731.047,640	21,072	20,607	75	57	58.316	2.570,886	20.086,581	7,813	7,348
26	8	98.125	33.250,824	696.355,261	20,942	20,477	76	58	55.371	2.341,560	17.515,695	7,480	7,015
27	9	98.046	31.869,405	663.104,437	20,807	20,342	77	59	52.356	2.123,775	15.174,135	7,145	6,680
28	10	97.969	30.546,336	631.235,032	20,665	20,200	78	60	49.239	1.915,896	13.050,360	6,812	6,346
29	11	97.889	29.277,042	600.688,696	20,517	20,052	79	61	45.995	1.716,729	11.134,463	6,486	6,021
30	12	97.811	28.061,110	571.411,654	20,363	19,898	80	62	42.690	1.528,431	9.417,734	6,162	5,696
31	13	97.731	26.895,183	543.350,544	20,203	19,737	81	63	39.269	1.348,620	7.889,303	5,850	5,385
32	14	97.644	25.775,866	516.455,361	20,036	19,571	82	64	35.800	1.179,350	6.540,682	5,546	5,081
33	15	97.553	24.701,917	490.679,495	19,864	19,399	83	65	32.202	1.017,590	5.361,332	5,269	4,803
34	16	97.450	23.669,869	465.977,578	19,687	19,221	84	66	28.685	869,485	4.343,743	4,996	4,531
35	17	97.336	22.678,421	442.307,710	19,503	19,038	85	67	25.291	735,352	3.474,258	4,725	4,259
36	18	97.213	21.726,335	419.629,288	19,314	18,849	86	68	22.125	617,069	2.738,906	4,439	3,973
37	19	97.075	20.811,096	397.902,954	19,120	18,655	87	69	18.974	507,631	2.121,837	4,180	3,715
38	20	96.931	19.933,037	377.091,857	18,918	18,453	88	70	15.919	408,532	1.614,206	3,951	3,486
39	21	96.767	19.088,041	357.158,820	18,711	18,246	89	71	13.096	322,373	1.205,673	3,740	3,275
40	22	96.594	18.277,178	338.070,779	18,497	18,032	90	72	10.567	249,520	883,300	3,540	3,075
41	23	96.402	17.497,133	319.793,600	18,277	17,812	91	73	8.363	189,433	633,780	3,346	2,880
42	24	96.194	16.747,566	302.296,467	18,050	17,585	92	74	6.450	140,146	444,347	3,171	2,705
43	25	95.955	16.025,025	285.548,900	17,819	17,354	93	75	4.854	101,168	304,201	3,007	2,542
44	26	95.694	15.329,901	269.523,875	17,582	17,116	94	76	3.557	71,117	203,033	2,855	2,390
45	27	95.411	14.661,384	254.193,974	17,338	16,872	95	77	2.536	48,630	131,916	2,713	2,247
46	28	95.090	14.016,317	239.532,590	17,090	16,624	96	78	1.755	32,289	83,286	2,579	2,114
47	29	94.739	13.395,296	225.516,273	16,835	16,370	97	79	1.177	20,771	50,998	2,455	1,990
48	30	94.356	12.797,299	212.120,978	16,575	16,110	98	80	764	12,924	30,227	2,339	1,874
49	31	93.940	12.221,469	199.323,679	16,309	15,844	99	81	478	7,754	17,303	2,231	1,766
							100	82	288	4,479	9,549	2,132	1,667

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 19 Jahre

Zinsfuß 4,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	31	93.518	11.670,613	187.436,854	16,061	15,595
1							51	32	93.022	11.135,380	175.766,241	15,784	15,319
2							52	33	92.507	10.622,303	164.630,861	15,499	15,033
3							53	34	91.928	10.125,453	154.008,558	15,210	14,745
4							54	35	91.307	9.647,090	143.883,105	14,915	14,449
5							55	36	90.641	9.186,264	134.236,015	14,613	14,147
6							56	37	89.911	8.740,859	125.049,750	14,306	13,841
7							57	38	89.152	8.313,754	116.308,891	13,990	13,525
8							58	39	88.319	7.900,289	107.995,137	13,670	13,205
9							59	40	87.407	7.499,988	100.094,847	13,346	12,881
10							60	41	86.413	7.112,420	92.594,860	13,019	12,554
11							61	42	85.356	6.738,987	85.482,440	12,685	12,220
12							62	43	84.236	6.379,430	78.743,452	12,343	11,878
13							63	44	82.994	6.029,095	72.364,022	12,002	11,537
14							64	45	81.680	5.691,796	66.334,927	11,654	11,189
15							65	46	80.264	5.365,070	60.643,131	11,303	10,838
16							66	47	78.716	5.047,140	55.278,061	10,952	10,487
17							67	48	77.060	4.739,509	50.230,921	10,598	10,133
18							68	49	75.250	4.439,478	45.491,412	10,247	9,782
19	0	99.139	44.956,985	973.879,909	21,662	21,197	69	50	73.294	4.147,816	41.051,934	9,897	9,432
20	1	98.683	42.925,866	928.922,923	21,640	21,175	70	51	71.226	3.866,467	36.904,118	9,545	9,079
21	2	98.572	41.129,851	885.997,057	21,541	21,076	71	52	69.003	3.593,065	33.037,652	9,195	8,730
22	3	98.475	39.414,365	844.867,206	21,436	20,970	72	53	66.628	3.327,958	29.444,587	8,848	8,382
23	4	98.384	37.772,554	805.452,841	21,324	20,859	73	54	64.079	3.070,176	26.116,628	8,507	8,041
24	5	98.299	36.201,134	767.680,287	21,206	20,741	74	55	61.380	2.820,947	23.046,452	8,170	7,705
25	6	98.215	34.695,576	731.479,153	21,083	20,618	75	56	58.551	2.581,249	20.225,505	7,836	7,370
26	7	98.134	33.253,720	696.783,577	20,954	20,488	76	57	55.620	2.352,057	17.644,257	7,502	7,036
27	8	98.055	31.872,464	663.529,857	20,818	20,353	77	58	52.609	2.134,052	15.292,199	7,166	6,701
28	9	97.975	30.548,310	631.657,393	20,677	20,212	78	59	49.490	1.925,686	13.158,147	6,833	6,368
29	10	97.897	29.279,505	601.109,083	20,530	20,065	79	60	46.250	1.726,231	11.232,461	6,507	6,042
30	11	97.820	28.063,742	571.829,578	20,376	19,911	80	61	42.932	1.537,081	9.506,230	6,185	5,719
31	12	97.739	26.897,467	543.765,837	20,216	19,751	81	62	39.518	1.357,161	7.969,149	5,872	5,407
32	13	97.654	25.778,364	516.868,369	20,050	19,585	82	63	36.045	1.187,427	6.611,988	5,568	5,103
33	14	97.564	24.704,795	491.090,006	19,878	19,413	83	64	32.439	1.025,086	5.424,561	5,292	4,827
34	15	97.467	23.674,099	466.385,210	19,700	19,235	84	65	28.921	876,645	4.399,476	5,019	4,553
35	16	97.357	22.683,225	442.711,112	19,517	19,052	85	66	25.522	742,073	3.522,831	4,747	4,282
36	17	97.234	21.731,116	420.027,887	19,328	18,863	86	67	22.352	623,406	2.780,758	4,461	3,995
37	18	97.103	20.817,083	398.296,771	19,133	18,668	87	68	19.194	513,505	2.157,352	4,201	3,736
38	19	96.958	19.938,564	377.479,688	18,932	18,467	88	69	16.125	413,812	1.643,848	3,972	3,507
39	20	96.798	19.094,072	357.541,123	18,725	18,260	89	70	13.285	327,021	1.230,036	3,761	3,296
40	21	96.618	18.281,651	338.447,051	18,513	18,048	90	71	10.741	253,632	903,015	3,560	3,095
41	22	96.428	17.501,872	320.165,400	18,293	17,828	91	72	8.517	192,911	649,383	3,366	2,901
42	23	96.219	16.751,937	302.663,528	18,067	17,602	92	73	6.584	143,061	456,471	3,191	2,726
43	24	95.981	16.029,380	285.911,590	17,837	17,372	93	74	4.967	103,525	313,411	3,027	2,562
44	25	95.718	15.333,674	269.882,210	17,601	17,135	94	75	3.652	73,010	209,886	2,875	2,410
45	26	95.438	14.665,490	254.548,536	17,357	16,892	95	76	2.611	50,079	136,877	2,733	2,268
46	27	95.117	14.020,403	239.883,046	17,110	16,644	96	77	1.814	33,374	86,797	2,601	2,136
47	28	94.767	13.399,273	225.862,643	16,856	16,391	97	78	1.222	21,571	53,423	2,477	2,011
48	29	94.384	12.801,045	212.463,371	16,597	16,132	98	79	797	13,491	31,852	2,361	1,896
49	30	93.971	12.225,471	199.662,325	16,332	15,866	99	80	502	8,151	18,361	2,253	1,787
							100	81	305	4,743	10,210	2,152	1,687

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 20 Jahre

Zinsfuß 4,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$(^{12})\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$(^{12})\ddot{a}_{xy}$
0							50	30	93.549	11.674,436	187.742,993	16,082	15,616
1							51	31	93.055	11.139,359	176.068,557	15,806	15,341
2							52	32	92.540	10.626,081	164.929,198	15,521	15,056
3							53	33	91.964	10.129,501	154.303,117	15,233	14,768
4							54	34	91.350	9.651,615	144.173,616	14,938	14,473
5							55	35	90.687	9.190,970	134.522,001	14,636	14,171
6							56	36	89.962	8.745,805	125.331,032	14,330	13,865
7							57	37	89.207	8.318,855	116.585,227	14,015	13,549
8							58	38	88.381	7.905,820	108.266,372	13,695	13,229
9							59	39	87.477	7.505,994	100.360,552	13,371	12,906
10							60	40	86.489	7.118,613	92.854,558	13,044	12,579
11							61	41	85.441	6.745,655	85.735,945	12,710	12,245
12							62	42	84.331	6.386,613	78.990,289	12,368	11,903
13							63	43	83.101	6.036,931	72.603,676	12,027	11,561
14							64	44	81.794	5.699,730	66.566,745	11,679	11,214
15							65	45	80.391	5.373,592	60.867,015	11,327	10,862
16							66	46	78.858	5.056,221	55.493,423	10,975	10,510
17							67	47	77.210	4.748,744	50.437,202	10,621	10,156
18							68	48	75.409	4.448,910	45.688,458	10,270	9,804
19							69	49	73.471	4.157,822	41.239,548	9,919	9,453
20	0	99.059	43.089,474	929.519,824	21,572	21,107	70	50	71.406	3.876,261	37.081,726	9,566	9,101
21	1	98.608	41.144,586	886.430,350	21,544	21,079	71	51	69.195	3.603,072	33.205,466	9,216	8,751
22	2	98.495	39.422,159	845.285,764	21,442	20,977	72	52	66.830	3.338,050	29.602,394	8,868	8,403
23	3	98.401	37.779,039	805.863,604	21,331	20,866	73	53	64.282	3.079,901	26.264,344	8,528	8,062
24	4	98.311	36.205,810	768.084,565	21,214	20,749	74	54	61.594	2.830,793	23.184,443	8,190	7,725
25	5	98.227	34.700,112	731.878,755	21,092	20,626	75	55	58.774	2.591,061	20.353,650	7,855	7,390
26	6	98.143	33.256,784	697.178,643	20,964	20,498	76	56	55.844	2.361,538	17.762,589	7,522	7,056
27	7	98.063	31.875,240	663.921,859	20,829	20,364	77	57	52.845	2.143,619	15.401,051	7,185	6,719
28	8	97.985	30.551,243	632.046,619	20,688	20,223	78	58	49.730	1.935,004	13.257,432	6,851	6,386
29	9	97.903	29.281,397	601.495,376	20,542	20,077	79	59	46.486	1.735,052	11.322,427	6,526	6,060
30	10	97.828	28.066,102	572.213,979	20,388	19,923	80	60	43.170	1.545,588	9.587,376	6,203	5,738
31	11	97.748	26.899,990	544.147,877	20,229	19,763	81	61	39.741	1.364,841	8.041,787	5,892	5,427
32	12	97.662	25.780,553	517.247,888	20,063	19,598	82	62	36.273	1.194,946	6.676,946	5,588	5,122
33	13	97.574	24.707,189	491.467,334	19,892	19,426	83	63	32.662	1.032,106	5.482,000	5,311	4,846
34	14	97.479	23.676,858	466.760,145	19,714	19,249	84	64	29.134	883,103	4.449,894	5,039	4,574
35	15	97.374	22.687,279	443.083,287	19,530	19,065	85	65	25.732	748,184	3.566,791	4,767	4,302
36	16	97.255	21.735,719	420.396,009	19,341	18,876	86	66	22.556	629,103	2.818,607	4,480	4,015
37	17	97.125	20.821,664	398.660,290	19,146	18,681	87	67	19.391	518,778	2.189,504	4,221	3,755
38	18	96.986	19.944,300	377.838,626	18,945	18,479	88	68	16.311	418,599	1.670,726	3,991	3,526
39	19	96.825	19.099,367	357.894,325	18,739	18,273	89	69	13.456	331,247	1.252,127	3,780	3,315
40	20	96.649	18.287,427	338.794,959	18,526	18,061	90	70	10.896	257,289	920,879	3,579	3,114
41	21	96.452	17.506,155	320.507,531	18,308	17,843	91	71	8.657	196,090	663,590	3,384	2,919
42	22	96.245	16.756,474	303.001,376	18,083	17,617	92	72	6.705	145,687	467,500	3,209	2,744
43	23	96.007	16.033,564	286.244,902	17,853	17,388	93	73	5.071	105,677	321,813	3,045	2,580
44	24	95.744	15.337,841	270.211,338	17,617	17,152	94	74	3.737	74,710	216,135	2,893	2,428
45	25	95.461	14.669,099	254.873,498	17,375	16,910	95	75	2.681	51,412	141,425	2,751	2,286
46	26	95.144	14.024,329	240.204,398	17,128	16,662	96	76	1.868	34,369	90,013	2,619	2,154
47	27	94.794	13.403,179	226.180,069	16,875	16,410	97	77	1.264	22,296	55,643	2,496	2,030
48	28	94.412	12.804,846	212.776,890	16,617	16,152	98	78	828	14,010	33,348	2,380	1,915
49	29	93.998	12.229,051	199.972,044	16,352	15,887	99	79	524	8,509	19,337	2,273	1,807
							100	80	320	4,986	10,828	2,172	1,706

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 21 Jahre

Zinsfuß 4,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	29	93.576	11.677,854	188.022,955	16,101	15,636
1							51	30	93.085	11.143,007	176.345,101	15,826	15,360
2							52	31	92.573	10.629,878	165.202,094	15,541	15,076
3							53	32	91.997	10.133,104	154.572,215	15,254	14,789
4							54	33	91.386	9.655,473	144.439,111	14,959	14,494
5							55	34	90.729	9.195,281	134.783,638	14,658	14,193
6							56	35	90.008	8.750,285	125.588,358	14,352	13,887
7							57	36	89.258	8.323,562	116.838,073	14,037	13,572
8							58	37	88.435	7.910,670	108.514,511	13,717	13,252
9							59	38	87.539	7.511,249	100.603,841	13,394	12,929
10							60	39	86.558	7.124,314	93.092,592	13,067	12,602
11							61	40	85.515	6.751,529	85.968,278	12,733	12,268
12							62	41	84.414	6.392,932	79.216,749	12,391	11,926
13							63	42	83.195	6.043,728	72.823,816	12,049	11,584
14							64	43	81.900	5.707,138	66.780,088	11,701	11,236
15							65	44	80.503	5.381,083	61.072,950	11,350	10,884
16							66	45	78.983	5.064,253	55.691,867	10,997	10,532
17							67	46	77.349	4.757,288	50.627,614	10,642	10,177
18							68	47	75.556	4.457,578	45.870,326	10,290	9,825
19							69	48	73.627	4.166,655	41.412,748	9,939	9,474
20							70	49	71.579	3.885,612	37.246,093	9,586	9,120
21	0	98.983	41.301,405	886.985,492	21,476	21,011	71	50	69.370	3.612,198	33.360,481	9,236	8,770
22	1	98.530	39.436,283	845.684,087	21,444	20,979	72	51	67.016	3.347,346	29.748,282	8,887	8,422
23	2	98.421	37.786,510	806.247,804	21,337	20,872	73	52	64.477	3.089,241	26.400,936	8,546	8,081
24	3	98.328	36.212,026	768.461,294	21,221	20,756	74	53	61.789	2.839,759	23.311,695	8,209	7,744
25	4	98.240	34.704,595	732.249,268	21,099	20,634	75	54	58.979	2.600,105	20.471,936	7,874	7,408
26	5	98.156	33.261,132	697.544,674	20,972	20,507	76	55	56.056	2.370,515	17.871,831	7,539	7,074
27	6	98.072	31.878,178	664.283,541	20,838	20,373	77	56	53.058	2.152,260	15.501,316	7,202	6,737
28	7	97.993	30.553,904	632.405,364	20,698	20,233	78	57	49.953	1.943,679	13.349,056	6,868	6,403
29	8	97.913	29.284,208	601.851,460	20,552	20,087	79	58	46.711	1.743,447	11.405,377	6,542	6,077
30	9	97.835	28.067,915	572.567,252	20,399	19,934	80	59	43.390	1.553,486	9.661,930	6,220	5,754
31	10	97.757	26.902,252	544.499,337	20,240	19,775	81	60	39.961	1.372,395	8.108,444	5,908	5,443
32	11	97.671	25.782,971	517.597,085	20,075	19,610	82	61	36.478	1.201,709	6.736,049	5,605	5,140
33	12	97.582	24.709,288	491.814,114	19,904	19,439	83	62	32.868	1.038,642	5.534,340	5,328	4,863
34	13	97.488	23.679,152	467.104,826	19,726	19,261	84	63	29.334	889,151	4.495,698	5,056	4,591
35	14	97.386	22.689,922	443.425,674	19,543	19,078	85	64	25.922	753,695	3.606,547	4,785	4,320
36	15	97.272	21.739,603	420.735,752	19,353	18,888	86	65	22.742	634,284	2.852,852	4,498	4,033
37	16	97.145	20.826,075	398.996,148	19,158	18,693	87	66	19.568	523,519	2.218,568	4,238	3,773
38	17	97.007	19.948,689	378.170,074	18,957	18,492	88	67	16.479	422,898	1.695,049	4,008	3,543
39	18	96.852	19.104,861	358.221,384	18,750	18,285	89	68	13.612	335,080	1.272,151	3,797	3,331
40	19	96.675	18.292,498	339.116,523	18,539	18,073	90	69	11.037	260,614	937,071	3,596	3,130
41	20	96.482	17.511,686	320.824,025	18,321	17,855	91	70	8.782	198,918	676,457	3,401	2,935
42	21	96.268	16.760,575	303.312,339	18,097	17,632	92	71	6.816	148,088	477,539	3,225	2,759
43	22	96.033	16.037,906	286.551,764	17,867	17,402	93	72	5.164	107,618	329,451	3,061	2,596
44	23	95.769	15.341,844	270.513,858	17,632	17,167	94	73	3.815	76,264	221,834	2,909	2,444
45	24	95.487	14.673,086	255.172,015	17,390	16,925	95	74	2.743	52,610	145,570	2,767	2,302
46	25	95.167	14.027,781	240.498,929	17,144	16,679	96	75	1.918	35,284	92,960	2,635	2,169
47	26	94.821	13.406,932	226.471,148	16,892	16,427	97	76	1.301	22,961	57,676	2,512	2,047
48	27	94.439	12.808,579	213.064,216	16,634	16,169	98	77	856	14,481	34,715	2,397	1,932
49	28	94.026	12.232,682	200.255,637	16,371	15,905	99	78	544	8,837	20,234	2,290	1,825
							100	79	334	5,205	11,397	2,189	1,724

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 22 Jahre

Zinsfuß 4,25%

Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	${}^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	${}^{(12)}\ddot{a}_{xy}$
0							50	28	93.604	11.681,321	188.279,284	16,118	15,653
1							51	29	93.113	11.146,270	176.597,963	15,844	15,378
2							52	30	92.603	10.633,360	165.451,693	15,560	15,094
3							53	31	92.030	10.136,725	154.818,333	15,273	14,808
4							54	32	91.419	9.658,908	144.681,608	14,979	14,514
5							55	33	90.766	9.198,956	135.022,701	14,678	14,213
6							56	34	90.050	8.754,389	125.823,744	14,373	13,907
7							57	35	89.303	8.327,825	117.069,355	14,058	13,592
8							58	36	88.485	7.915,146	108.741,530	13,738	13,273
9							59	37	87.592	7.515,857	100.826,384	13,415	12,950
10							60	38	86.619	7.129,301	93.310,526	13,088	12,623
11							61	39	85.583	6.756,936	86.181,225	12,754	12,289
12							62	40	84.488	6.398,499	79.424,288	12,413	11,948
13							63	41	83.277	6.049,708	73.025,790	12,071	11,606
14							64	42	81.993	5.713,564	66.976,081	11,722	11,257
15							65	43	80.608	5.388,076	61.262,517	11,370	10,905
16							66	44	79.093	5.071,312	55.874,440	11,018	10,553
17							67	45	77.472	4.764,845	50.803,128	10,662	10,197
18							68	46	75.692	4.465,598	46.038,283	10,310	9,844
19							69	47	73.770	4.174,774	41.572,685	9,958	9,493
20							70	48	71.731	3.893,867	37.397,912	9,604	9,139
21							71	49	69.537	3.620,913	33.504,045	9,253	8,788
22	0	98.906	39.586,591	846.200,612	21,376	20,911	72	50	67.186	3.355,825	29.883,132	8,905	8,440
23	1	98.456	37.800,048	806.614,021	21,339	20,874	73	51	64.657	3.097,844	26.527,307	8,563	8,098
24	2	98.348	36.219,187	768.813,974	21,227	20,761	74	52	61.976	2.848,371	23.429,462	8,226	7,760
25	3	98.257	34.710,552	732.594,787	21,106	20,641	75	53	59.166	2.608,341	20.581,092	7,890	7,425
26	4	98.168	33.265,429	697.884,234	20,979	20,514	76	54	56.252	2.378,789	17.972,751	7,555	7,090
27	5	98.085	31.882,345	664.618,806	20,846	20,381	77	55	53.260	2.160,441	15.593,962	7,218	6,753
28	6	98.002	30.556,719	632.736,460	20,707	20,242	78	56	50.154	1.951,514	13.433,521	6,884	6,418
29	7	97.921	29.286,758	602.179,741	20,562	20,096	79	57	46.920	1.751,263	11.482,007	6,556	6,091
30	8	97.844	28.070,610	572.892,983	20,409	19,944	80	58	43.600	1.561,003	9.730,744	6,234	5,768
31	9	97.763	26.903,990	544.822,373	20,251	19,785	81	59	40.166	1.379,408	8.169,740	5,923	5,457
32	10	97.680	25.785,139	517.918,382	20,086	19,621	82	60	36.680	1.208,360	6.790,333	5,619	5,154
33	11	97.591	24.711,605	492.133,243	19,915	19,450	83	61	33.054	1.044,520	5.581,973	5,344	4,879
34	12	97.497	23.681,163	467.421,637	19,738	19,273	84	62	29.519	894,781	4.537,452	5,071	4,606
35	13	97.395	22.692,121	443.740,474	19,555	19,090	85	63	26.099	758,857	3.642,671	4,800	4,335
36	14	97.284	21.742,137	421.048,353	19,366	18,900	86	64	22.909	638,956	2.883,814	4,513	4,048
37	15	97.163	20.829,796	399.306,217	19,170	18,705	87	65	19.729	527,830	2.244,858	4,253	3,788
38	16	97.028	19.952,915	378.476,420	18,968	18,503	88	66	16.630	426,763	1.717,028	4,023	3,558
39	17	96.874	19.109,066	358.523,505	18,762	18,297	89	67	13.752	338,521	1.290,265	3,811	3,346
40	18	96.703	18.297,761	339.414,440	18,550	18,084	90	68	11.165	263,629	951,744	3,610	3,145
41	19	96.509	17.516,542	321.116,679	18,332	17,867	91	69	8.896	201,488	688,115	3,415	2,950
42	20	96.299	16.765,870	303.600,137	18,108	17,643	92	70	6.914	150,223	486,626	3,239	2,774
43	21	96.056	16.041,831	286.834,267	17,880	17,415	93	71	5.249	109,391	336,403	3,075	2,610
44	22	95.795	15.345,998	270.792,436	17,646	17,181	94	72	3.885	77,664	227,012	2,923	2,458
45	23	95.512	14.676,915	255.446,438	17,405	16,939	95	73	2.800	53,704	149,348	2,781	2,316
46	24	95.193	14.031,593	240.769,523	17,159	16,694	96	74	1.963	36,106	95,644	2,649	2,184
47	25	94.844	13.410,232	226.737,930	16,908	16,443	97	75	1.336	23,572	59,538	2,526	2,061
48	26	94.466	12.812,166	213.327,698	16,650	16,185	98	76	881	14,913	35,966	2,412	1,946
49	27	94.054	12.236,248	200.515,532	16,387	15,922	99	77	563	9,134	21,053	2,305	1,840
							100	78	347	5,406	11,919	2,205	1,740

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 23 Jahre

Zinsfuß 4,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	27	93.631	11.684,727	188.514,179	16,133	15,668
1							51	28	93.140	11.149,579	176.829,453	15,860	15,395
2							52	29	92.630	10.636,473	165.679,873	15,577	15,111
3							53	30	92.060	10.140,045	155.043,400	15,290	14,825
4							54	31	91.451	9.662,359	144.903,355	14,997	14,531
5							55	32	90.798	9.202,228	135.240,996	14,697	14,231
6							56	33	90.086	8.757,888	126.038,768	14,391	13,926
7							57	34	89.345	8.331,732	117.280,880	14,076	13,611
8							58	35	88.531	7.919,200	108.949,148	13,758	13,292
9							59	36	87.642	7.520,110	101.029,948	13,435	12,969
10							60	37	86.672	7.133,676	93.509,838	13,108	12,643
11							61	38	85.643	6.761,666	86.376,162	12,774	12,309
12							62	39	84.555	6.403,623	79.614,496	12,433	11,968
13							63	40	83.350	6.054,976	73.210,872	12,091	11,626
14							64	41	82.074	5.719,218	67.155,896	11,742	11,277
15							65	42	80.699	5.394,143	61.436,678	11,390	10,924
16							66	43	79.196	5.077,904	56.042,535	11,037	10,571
17							67	44	77.580	4.771,487	50.964,632	10,681	10,216
18							68	45	75.813	4.472,692	46.193,145	10,328	9,863
19							69	46	73.903	4.182,285	41.720,453	9,976	9,510
20							70	47	71.871	3.901,454	37.538,168	9,622	9,156
21							71	48	69.685	3.628,605	33.636,714	9,270	8,805
22							72	49	67.348	3.363,921	30.008,109	8,921	8,455
23	0	98.831	37.944,119	807.094,819	21,271	20,805	73	50	64.820	3.105,691	26.644,188	8,579	8,114
24	1	98.383	36.232,163	769.150,700	21,228	20,763	74	51	62.149	2.856,303	23.538,497	8,241	7,776
25	2	98.276	34.717,417	732.918,537	21,111	20,646	75	52	59.345	2.616,250	20.682,193	7,905	7,440
26	3	98.185	33.271,140	698.201,121	20,985	20,520	76	53	56.430	2.386,324	18.065,943	7,571	7,105
27	4	98.098	31.886,464	664.929,981	20,853	20,388	77	54	53.446	2.167,982	15.679,619	7,232	6,767
28	5	98.015	30.560,714	633.043,517	20,714	20,249	78	55	50.345	1.958,932	13.511,637	6,897	6,432
29	6	97.930	29.289,457	602.482,803	20,570	20,105	79	56	47.109	1.758,323	11.552,705	6,570	6,105
30	7	97.852	28.073,055	573.193,346	20,418	19,953	80	57	43.796	1.568,001	9.794,383	6,246	5,781
31	8	97.772	26.906,573	545.120,291	20,260	19,795	81	58	40.360	1.386,083	8.226,382	5,935	5,470
32	9	97.686	25.786,806	518.213,718	20,096	19,631	82	59	36.868	1.214,534	6.840,299	5,632	5,167
33	10	97.599	24.713,683	492.426,912	19,925	19,460	83	60	33.237	1.050,301	5.625,764	5,356	4,891
34	11	97.506	23.683,384	467.713,229	19,749	19,283	84	61	29.686	899,845	4.575,463	5,085	4,620
35	12	97.403	22.694,048	444.029,844	19,566	19,101	85	62	26.264	763,663	3.675,618	4,813	4,348
36	13	97.293	21.744,244	421.335,796	19,377	18,912	86	63	23.066	643,332	2.911,955	4,526	4,061
37	14	97.174	20.832,224	399.591,552	19,181	18,716	87	64	19.875	531,719	2.268,623	4,267	3,801
38	15	97.045	19.956,481	378.759,329	18,979	18,514	88	65	16.766	430,277	1.736,905	4,037	3,571
39	16	96.894	19.113,113	358.802,848	18,773	18,307	89	66	13.877	341,615	1.306,628	3,825	3,360
40	17	96.724	18.301,787	339.689,735	18,560	18,095	90	67	11.279	266,337	965,013	3,623	3,158
41	18	96.537	17.521,581	321.387,948	18,342	17,877	91	68	8.998	203,820	698,676	3,428	2,963
42	19	96.325	16.770,519	303.866,366	18,119	17,654	92	69	7.003	152,165	494,856	3,252	2,787
43	20	96.086	16.046,899	287.095,847	17,891	17,426	93	70	5.324	110,968	342,692	3,088	2,623
44	21	95.818	15.349,754	271.048,948	17,658	17,193	94	71	3.949	78,944	231,724	2,935	2,470
45	22	95.538	14.680,890	255.699,194	17,417	16,952	95	72	2.852	54,690	152,780	2,794	2,328
46	23	95.218	14.035,255	241.018,304	17,172	16,707	96	73	2.004	36,857	98,090	2,661	2,196
47	24	94.870	13.413,876	226.983,049	16,922	16,456	97	74	1.367	24,121	61,233	2,539	2,073
48	25	94.489	12.815,319	213.569,173	16,665	16,200	98	75	905	15,310	37,112	2,424	1,959
49	26	94.080	12.239,674	200.753,854	16,402	15,937	99	76	579	9,406	21,802	2,318	1,853
							100	77	359	5,587	12,396	2,219	1,753

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 24 Jahre

Zinsfuß 4,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	26	93.658	11.687,999	188.729,561	16,147	15,682
1							51	27	93.167	11.152,830	177.041,562	15,874	15,409
2							52	28	92.658	10.639,631	165.888,733	15,592	15,126
3							53	29	92.087	10.143,014	155.249,101	15,306	14,841
4							54	30	91.481	9.665,524	145.106,088	15,013	14,548
5							55	31	90.830	9.205,517	135.440,564	14,713	14,248
6							56	32	90.118	8.761,003	126.235,047	14,409	13,944
7							57	33	89.381	8.335,062	117.474,044	14,094	13,629
8							58	34	88.572	7.922,915	109.138,982	13,775	13,310
9							59	35	87.687	7.523,962	101.216,067	13,452	12,987
10							60	36	86.721	7.137,712	93.692,105	13,126	12,661
11							61	37	85.696	6.765,815	86.554,393	12,793	12,328
12							62	38	84.615	6.408,106	79.788,578	12,451	11,986
13							63	39	83.417	6.059,825	73.380,472	12,109	11,644
14							64	40	82.145	5.724,198	67.320,646	11,761	11,295
15							65	41	80.779	5.399,480	61.596,449	11,408	10,943
16							66	42	79.285	5.083,621	56.196,968	11,055	10,589
17							67	43	77.681	4.777,688	51.113,347	10,698	10,233
18							68	44	75.918	4.478,927	46.335,659	10,345	9,880
19							69	45	74.020	4.188,929	41.856,733	9,992	9,527
20							70	46	72.000	3.908,473	37.667,804	9,637	9,172
21							71	47	69.821	3.635,675	33.759,330	9,286	8,820
22							72	48	67.491	3.371,068	30.123,655	8,936	8,471
23							73	49	64.977	3.113,184	26.752,587	8,593	8,128
24	0	98.758	36.370,259	769.598,422	21.160	20,695	74	50	62.306	2.863,538	23.639,404	8,255	7,790
25	1	98.312	34.729,855	733.228,164	21,112	20,647	75	51	59.510	2.623,536	20.775,865	7,919	7,454
26	2	98.204	33.277,719	698.498,309	20,990	20,525	76	52	56.601	2.393,560	18.152,329	7,584	7,119
27	3	98.115	31.891,938	665.220,590	20,859	20,393	77	53	53.615	2.174,849	15.758,769	7,246	6,781
28	4	98.028	30.564,662	633.328,652	20,721	20,256	78	54	50.520	1.965,770	13.583,920	6,910	6,445
29	5	97.943	29.293,287	602.763,990	20,577	20,112	79	55	47.288	1.765,006	11.618,150	6,582	6,117
30	6	97.861	28.075,642	573.470,704	20,426	19,961	80	56	43.972	1.574,322	9.853,144	6,259	5,793
31	7	97.781	26.908,917	545.395,062	20,268	19,803	81	57	40.541	1.392,297	8.278,822	5,946	5,481
32	8	97.695	25.789,281	518.486,145	20,105	19,639	82	58	37.046	1.220,411	6.886,525	5,643	5,178
33	9	97.606	24.715,280	492.696,864	19,935	19,470	83	59	33.407	1.055,668	5.666,114	5,367	4,902
34	10	97.514	23.685,376	467.981,583	19,758	19,293	84	60	29.851	904,825	4.610,446	5,095	4,630
35	11	97.413	22.696,177	444.296,207	19,576	19,111	85	61	26.413	767,984	3.705,620	4,825	4,360
36	12	97.301	21.746,090	421.600,030	19,387	18,922	86	62	23.212	647,406	2.937,636	4,538	4,072
37	13	97.183	20.834,242	399.853,940	19,192	18,727	87	63	20.011	535,360	2.290,230	4,278	3,813
38	14	97.057	19.958,806	379.019,698	18,990	18,525	88	64	16.890	433,447	1.754,870	4,049	3,583
39	15	96.912	19.116,529	359.060,891	18,783	18,318	89	65	13.992	344,428	1.321,423	3,837	3,371
40	16	96.745	18.305,664	339.944,363	18,570	18,105	90	66	11.382	268,771	976,995	3,635	3,170
41	17	96.558	17.525,437	321.638,699	18,353	17,887	91	67	9.091	205,913	708,224	3,439	2,974
42	18	96.353	16.775,344	304.113,262	18,129	17,663	92	68	7.084	153,925	502,312	3,263	2,798
43	19	96.113	16.051,349	287.337,918	17,901	17,436	93	69	5.393	112,402	348,387	3,099	2,634
44	20	95.849	15.354,604	271.286,569	17,668	17,203	94	70	4.006	80,082	235,984	2,947	2,482
45	21	95.561	14.684,483	255.931,965	17,429	16,964	95	71	2.899	55,591	155,902	2,804	2,339
46	22	95.244	14.039,056	241.247,483	17,184	16,719	96	72	2.040	37,533	100,311	2,673	2,207
47	23	94.895	13.417,377	227.208,427	16,934	16,469	97	73	1.395	24,622	62,777	2,550	2,084
48	24	94.515	12.818,802	213.791,050	16,678	16,213	98	74	926	15,667	38,155	2,435	1,970
49	25	94.103	12.242,687	200.972,248	16,416	15,950	99	75	595	9,656	22,488	2,329	1,864
							100	76	369	5,754	12,832	2,230	1,765

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 25 Jahre

Zinsfuß 4,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	25	93.681	11.690,875	188.926,902	16,160	15,695
1							51	26	93.194	11.155,953	177.236,027	15,887	15,422
2							52	27	92.685	10.642,733	166.080,074	15,605	15,140
3							53	28	92.114	10.146,025	155.437,341	15,320	14,855
4							54	29	91.508	9.668,354	145.291,315	15,028	14,562
5							55	30	90.860	9.208,532	135.622,962	14,728	14,263
6							56	31	90.151	8.764,134	126.414,430	14,424	13,959
7							57	32	89.413	8.338,027	117.650,296	14,110	13,645
8							58	33	88.607	7.926,082	109.312,269	13,791	13,326
9							59	34	87.728	7.527,491	101.386,187	13,469	13,004
10							60	35	86.765	7.141,368	93.858,696	13,143	12,678
11							61	36	85.744	6.769,643	86.717,328	12,810	12,345
12							62	37	84.667	6.412,038	79.947,685	12,468	12,003
13							63	38	83.475	6.064,067	73.535,647	12,126	11,661
14							64	39	82.211	5.728,782	67.471,580	11,778	11,312
15							65	40	80.849	5.404,182	61.742,798	11,425	10,960
16							66	41	79.364	5.088,651	56.338,616	11,071	10,606
17							67	42	77.768	4.783,068	51.249,965	10,715	10,250
18							68	43	76.017	4.484,748	46.466,897	10,361	9,896
19							69	44	74.124	4.194,768	41.982,149	10,008	9,543
20							70	45	72.114	3.914,682	37.787,381	9,653	9,188
21							71	46	69.947	3.642,217	33.872,699	9,300	8,835
22							72	47	67.622	3.377,636	30.230,482	8,950	8,485
23							73	48	65.115	3.119,798	26.852,846	8,607	8,142
24							74	49	62.457	2.870,447	23.733,049	8,268	7,803
25	0	98.686	34.862,224	733.645,246	21,044	20,579	75	50	59.661	2.630,182	20.862,602	7,932	7,467
26	1	98.240	33.289,641	698.783,021	20,991	20,526	76	51	56.759	2.400,226	18.232,421	7,596	7,131
27	2	98.134	31.898,244	665.493,380	20,863	20,398	77	52	53.778	2.181,444	15.832,194	7,258	6,792
28	3	98.045	30.569,909	633.595,135	20,726	20,261	78	53	50.680	1.971,996	13.650,750	6,922	6,457
29	4	97.956	29.297,070	603.025,226	20,583	20,118	79	54	47.454	1.771,167	11.678,754	6,594	6,129
30	5	97.874	28.079,312	573.728,156	20,432	19,967	80	55	44.139	1.580,306	9.907,587	6,269	5,804
31	6	97.790	26.911,397	545.648,843	20,276	19,811	81	56	40.704	1.397,909	8.327,281	5,957	5,492
32	7	97.704	25.791,527	518.737,447	20,113	19,647	82	57	37.212	1.225,883	6.929,372	5,653	5,187
33	8	97.615	24.717,653	492.945,919	19,943	19,478	83	58	33.569	1.060,776	5.703,489	5,377	4,911
34	9	97.520	23.686,906	468.228,266	19,767	19,302	84	59	30.003	909,449	4.642,713	5,105	4,640
35	10	97.421	22.698,086	444.541,360	19,585	19,120	85	60	26.559	772,235	3.733,264	4,834	4,369
36	11	97.311	21.748,130	421.843,274	19,397	18,932	86	61	23.344	651,070	2.961,029	4,548	4,083
37	12	97.192	20.836,012	400.095,144	19,202	18,737	87	62	20.137	538,750	2.309,959	4,288	3,822
38	13	97.066	19.960,740	379.259,132	19,000	18,535	88	63	17.006	436,416	1.771,209	4,059	3,593
39	14	96.923	19.118,757	359.298,392	18,793	18,328	89	64	14.095	346,965	1.334,794	3,847	3,382
40	15	96.762	18.308,935	340.179,635	18,580	18,115	90	65	11.476	270,984	987,828	3,645	3,180
41	16	96.578	17.529,149	321.870,700	18,362	17,897	91	66	9.174	207,795	716,844	3,450	2,985
42	17	96.374	16.779,035	304.341,551	18,138	17,673	92	67	7.157	155,506	509,050	3,274	2,808
43	18	96.141	16.055,966	287.562,515	17,910	17,445	93	68	5.456	113,703	353,544	3,109	2,644
44	19	95.875	15.358,861	271.506,549	17,678	17,212	94	69	4.058	81,117	239,841	2,957	2,492
45	20	95.591	14.689,122	256.147,688	17,438	16,973	95	70	2.941	56,393	158,724	2,815	2,349
46	21	95.267	14.042,492	241.458,565	17,195	16,730	96	71	2.074	38,152	102,331	2,682	2,217
47	22	94.921	13.421,011	227.416,074	16,945	16,480	97	72	1.421	25,074	64,179	2,560	2,094
48	23	94.539	12.822,147	213.995,063	16,689	16,224	98	73	945	15,993	39,105	2,445	1,980
49	24	94.129	12.246,014	201.172,916	16,428	15,962	99	74	609	9,881	23,112	2,339	1,874
							100	75	379	5,907	13,231	2,240	1,775

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 0 Jahre

Zinsfuß 4,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	0	100.000	100.000,000	2.178.372,137	21,784	21,318	50	50	91.638	10.145,201	148.701,860	14,657	14,192
1	1	99.166	94.895,510	2.078.372,137	21,902	21,436	51	51	90.953	9.635,811	138.556,659	14,379	13,914
2	2	99.090	90.739,906	1.983.476,627	21,859	21,393	52	52	90.231	9.147,624	128.920,848	14,093	13,628
3	3	99.051	86.797,799	1.892.736,722	21,806	21,341	53	53	89.431	8.676,059	119.773,224	13,805	13,339
4	4	99.016	83.030,688	1.805.938,923	21,750	21,285	54	54	88.588	8.224,213	111.097,164	13,509	13,043
5	5	98.990	79.434,288	1.722.908,235	21,690	21,224	55	55	87.680	7.789,434	102.872,952	13,207	12,741
6	6	98.963	75.993,328	1.643.473,947	21,627	21,161	56	56	86.694	7.370,191	95.083,518	12,901	12,435
7	7	98.942	72.705,712	1.567.480,618	21,559	21,094	57	57	85.670	6.969,488	87.713,327	12,585	12,120
8	8	98.922	69.560,195	1.494.774,906	21,489	21,023	58	58	84.550	6.582,150	80.743,839	12,267	11,801
9	9	98.900	66.550,476	1.425.214,711	21,416	20,950	59	59	83.341	6.208,638	74.161,689	11,945	11,479
10	10	98.885	63.674,592	1.358.664,235	21,338	20,872	60	60	82.046	5.848,944	67.953,051	11,618	11,152
11	11	98.867	60.921,775	1.294.989,643	21,257	20,791	61	61	80.675	5.503,601	62.104,108	11,284	10,819
12	12	98.844	58.284,460	1.234.067,869	21,173	20,708	62	62	79.258	5.174,064	56.600,507	10,939	10,474
13	13	98.822	55.762,583	1.175.783,408	21,086	20,620	63	63	77.698	4.853,827	51.426,443	10,595	10,129
14	14	98.800	53.349,235	1.120.020,825	20,994	20,529	64	64	76.054	4.546,552	46.572,616	10,244	9,778
15	15	98.770	51.036,533	1.066.671,590	20,900	20,435	65	65	74.307	4.250,791	42.026,064	9,887	9,421
16	16	98.729	48.818,544	1.015.635,057	20,804	20,339	66	66	72.409	3.963,862	37.775,273	9,530	9,064
17	17	98.670	46.688,527	966.816,513	20,708	20,242	67	67	70.380	3.686,893	33.811,411	9,171	8,705
18	18	98.599	44.645,546	920.127,986	20,610	20,144	68	68	68.173	3.417,459	30.124,518	8,815	8,349
19	19	98.496	42.678,327	875.482,440	20,514	20,048	69	69	65.800	3.156,467	26.707,059	8,461	7,995
20	20	98.389	40.796,299	832.804,113	20,414	19,948	70	70	63.288	2.905,214	23.550,592	8,106	7,641
21	21	98.283	38.997,519	792.007,813	20,309	19,844	71	71	60.609	2.662,437	20.645,378	7,754	7,289
22	22	98.182	37.279,816	753.010,294	20,199	19,733	72	72	57.749	2.427,550	17.982,941	7,408	6,942
23	23	98.081	35.637,916	715.730,479	20,083	19,618	73	73	54.711	2.200,825	15.555,391	7,068	6,602
24	24	97.983	34.069,100	680.092,562	19,962	19,497	74	74	51.518	1.983,130	13.354,566	6,734	6,268
25	25	97.886	32.569,504	646.023,462	19,835	19,370	75	75	48.208	1.775,800	11.371,436	6,404	5,938
26	26	97.790	31.136,528	613.453,958	19,702	19,236	76	76	44.787	1.578,739	9.595,636	6,078	5,612
27	27	97.693	29.766,076	582.317,430	19,563	19,098	77	77	41.321	1.393,837	8.016,897	5,752	5,286
28	28	97.594	28.455,618	552.551,354	19,418	18,952	78	78	37.788	1.219,790	6.623,060	5,430	4,964
29	29	97.494	27.202,164	524.095,736	19,267	18,801	79	79	34.179	1.055,772	5.403,270	5,118	4,652
30	30	97.396	26.004,857	496.893,572	19,108	18,642	80	80	30.561	903,359	4.347,498	4,813	4,347
31	31	97.293	24.858,708	470.888,715	18,943	18,477	81	81	26.911	761,231	3.444,139	4,524	4,059
32	32	97.182	23.760,962	446.030,007	18,772	18,306	82	82	23.325	631,369	2.682,908	4,249	3,784
33	33	97.068	22.711,056	422.269,045	18,593	18,127	83	83	19.770	512,090	2.051,539	4,006	3,541
34	34	96.944	21.705,327	399.557,988	18,408	17,943	84	84	16.483	408,569	1.539,449	3,768	3,302
35	35	96.806	20.741,082	377.852,661	18,218	17,752	85	85	13.487	319,909	1.130,880	3,535	3,069
36	36	96.655	19.817,004	357.111,579	18,020	17,555	86	86	10.885	247,068	810,970	3,282	2,817
37	37	96.491	18.931,522	337.294,575	17,817	17,351	87	87	8.491	184,432	563,902	3,058	2,592
38	38	96.316	18.083,306	318.363,052	17,605	17,140	88	88	6.365	132,306	379,471	2,868	2,403
39	39	96.116	17.268,666	300.279,746	17,389	16,923	89	89	4.613	91,758	247,165	2,694	2,228
40	40	95.891	16.486,366	283.011,080	17,166	16,701	90	90	3.223	61,344	155,407	2,533	2,068
41	41	95.642	15.735,555	266.524,714	16,938	16,472	91	91	2.173	39,580	94,062	2,377	1,911
42	42	95.366	15.014,486	250.789,159	16,703	16,238	92	92	1.390	24,231	54,483	2,248	1,783
43	43	95.049	14.320,116	235.774,673	16,465	15,999	93	93	851	14,189	30,252	2,132	1,666
44	44	94.691	13.651,794	221.454,557	16,222	15,756	94	94	497	7,927	16,063	2,026	1,561
45	45	94.305	13.010,733	207.802,763	15,972	15,506	95	95	276	4,215	8,136	1,930	1,465
46	46	93.866	12.392,465	194.792,030	15,719	15,253	96	96	146	2,127	3,921	1,843	1,377
47	47	93.379	11.797,341	182.399,565	15,461	14,995	97	97	73	1,017	1,793	1,764	1,298
48	48	92.848	11.225,137	170.602,224	15,198	14,733	98	98	34	0,459	0,777	1,692	1,226
49	49	92.273	10.675,226	159.377,087	14,930	14,464	99	99	15	0,195	0,318	1,626	1,161
							100	100	6	0,078	0,122	1,567	1,101

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -1 Jahr

Zinsfuß 4,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	1	99.620	99.620,306	2.175.984,724	21,843	21,377	50	51	91.406	10.119,568	147.286,004	14,555	14,089
1	2	99.130	94.861,524	2.076.364,417	21,888	21,423	51	52	90.701	9.609,050	137.166,436	14,275	13,809
2	3	99.071	90.721,965	1.981.502,893	21,841	21,376	52	53	89.958	9.119,969	127.557,386	13,987	13,521
3	4	99.034	86.782,900	1.890.780,928	21,787	21,322	53	54	89.148	8.648,664	118.437,417	13,694	13,229
4	5	99.003	83.019,964	1.803.998,028	21,730	21,264	54	55	88.280	8.195,607	109.788,752	13,396	12,930
5	6	98.977	79.423,904	1.720.978,063	21,668	21,203	55	56	87.348	7.759,936	101.593,146	13,092	12,626
6	7	98.954	75.986,326	1.641.554,159	21,603	21,138	56	57	86.346	7.340,602	93.833,210	12,783	12,317
7	8	98.934	72.699,380	1.565.567,834	21,535	21,069	57	58	85.288	6.938,383	86.492,607	12,466	12,000
8	9	98.912	69.553,518	1.492.868,453	21,464	20,998	58	59	84.143	6.550,453	79.554,225	12,145	11,679
9	10	98.894	66.546,176	1.423.314,935	21,388	20,923	59	60	82.917	6.177,074	73.003,772	11,819	11,353
10	11	98.876	63.669,237	1.356.768,759	21,310	20,844	60	61	81.594	5.816,750	66.826,698	11,489	11,023
11	12	98.858	60.916,061	1.293.099,522	21,228	20,762	61	62	80.221	5.472,630	61.009,948	11,148	10,683
12	13	98.835	58.279,510	1.232.183,461	21,143	20,677	62	63	78.759	5.141,504	55.537,318	10,802	10,336
13	14	98.813	55.757,180	1.173.903,951	21,054	20,588	63	64	77.170	4.820,812	50.395,814	10,454	9,988
14	15	98.788	53.343,019	1.118.146,770	20,961	20,496	64	65	75.498	4.513,304	45.575,002	10,098	9,632
15	16	98.752	51.027,415	1.064.803,752	20,867	20,402	65	66	73.700	4.216,073	41.061,698	9,739	9,274
16	17	98.708	48.808,205	1.013.776,337	20,771	20,305	66	67	71.753	3.927,963	36.845,625	9,380	8,915
17	18	98.649	46.678,255	964.968,132	20,673	20,207	67	68	69.665	3.649,416	32.917,662	9,020	8,554
18	19	98.570	44.632,706	918.289,877	20,574	20,109	68	69	67.393	3.378,372	29.268,246	8,663	8,198
19	20	98.468	42.666,497	873.657,171	20,476	20,011	69	70	64.960	3.116,196	25.889,874	8,308	7,843
20	21	98.358	40.783,414	830.990,674	20,376	19,910	70	71	62.388	2.863,920	22.773,678	7,952	7,486
21	22	98.259	38.987,978	790.207,261	20,268	19,802	71	72	59.626	2.619,273	19.909,758	7,601	7,136
22	23	98.155	37.269,723	751.219,283	20,156	19,691	72	73	56.707	2.383,784	17.290,485	7,253	6,788
23	24	98.056	35.628,618	713.949,561	20,039	19,573	73	74	53.596	2.155,989	14.906,702	6,914	6,448
24	25	97.957	34.059,845	678.320,942	19,916	19,450	74	75	50.345	1.937,990	12.750,712	6,579	6,114
25	26	97.861	32.561,489	644.261,098	19,786	19,320	75	76	46.958	1.729,758	10.812,722	6,251	5,785
26	27	97.762	31.127,811	611.699,608	19,651	19,186	76	77	43.490	1.533,037	9.082,964	5,925	5,459
27	28	97.664	29.757,401	580.571,797	19,510	19,045	77	78	39.976	1.348,492	7.549,927	5,599	5,133
28	29	97.565	28.447,172	550.814,396	19,363	18,897	78	79	36.388	1.174,582	6.201,435	5,280	4,814
29	30	97.465	27.194,202	522.367,224	19,209	18,743	79	80	32.741	1.011,360	5.026,853	4,970	4,505
30	31	97.365	25.996,342	495.173,022	19,048	18,582	80	81	29.072	859,352	4.015,493	4,673	4,207
31	32	97.259	24.849,829	469.176,680	18,880	18,415	81	82	25.411	718,797	3.156,141	4,391	3,925
32	33	97.147	23.752,513	444.326,851	18,707	18,241	82	83	21.818	590,567	2.437,344	4,127	3,662
33	34	97.029	22.701,982	420.574,338	18,526	18,060	83	84	18.353	475,395	1.846,776	3,885	3,419
34	35	96.898	21.695,152	397.872,357	18,339	17,874	84	85	15.158	375,736	1.371,381	3,650	3,184
35	36	96.756	20.730,464	376.177,205	18,146	17,680	85	86	12.316	292,133	995,646	3,408	2,943
36	37	96.600	19.805,798	355.446,742	17,947	17,481	86	87	9.787	222,160	703,512	3,167	2,701
37	38	96.432	18.919,913	335.640,943	17,740	17,274	87	88	7.490	162,691	481,353	2,959	2,493
38	39	96.248	18.070,657	316.721,030	17,527	17,061	88	89	5.528	114,904	318,661	2,773	2,308
39	40	96.039	17.254,847	298.650,373	17,308	16,843	89	90	3.929	78,157	203,757	2,607	2,141
40	41	95.807	16.472,023	281.395,527	17,083	16,618	90	91	2.696	51,317	125,600	2,448	1,982
41	42	95.548	15.720,001	264.923,504	16,853	16,387	91	92	1.766	32,162	74,283	2,310	1,844
42	43	95.259	14.997,599	249.203,503	16,616	16,151	92	93	1.105	19,254	42,120	2,188	1,722
43	44	94.926	14.301,529	234.205,904	16,376	15,911	93	94	660	11,011	22,866	2,077	1,611
44	45	94.559	13.632,791	219.904,375	16,131	15,665	94	95	376	6,000	11,855	1,976	1,510
45	46	94.155	12.990,098	206.271,585	15,879	15,414	95	96	203	3,107	5,856	1,885	1,419
46	47	93.697	12.370,209	193.281,487	15,625	15,159	96	97	104	1,526	2,749	1,802	1,336
47	48	93.198	11.774,399	180.911,278	15,365	14,899	97	98	51	0,708	1,223	1,726	1,260
48	49	92.651	11.201,341	169.136,879	15,100	14,634	98	99	23	0,310	0,514	1,658	1,192
49	50	92.051	10.649,534	157.935,538	14,830	14,365	99	100	10	0,128	0,204	1,595	1,130
							100	101	4	0,049	0,076	1,539	1,073

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -2 Jahre

Zinsfuß 4,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	2	99.585	99.584,628	2.173.814,102	21,829	21,363	50	52	91.153	10.091,464	145.761,770	14,444	13,978
1	3	99.111	94.842,769	2.074.229,474	21,870	21,405	51	53	90.427	9.580,000	135.670,306	14,162	13,696
2	4	99.054	90.706,393	1.979.386,705	21,822	21,356	52	54	89.674	9.091,172	126.090,306	13,870	13,404
3	5	99.021	86.771,692	1.888.680,312	21,766	21,300	53	55	88.838	8.618,582	116.999,134	13,575	13,110
4	6	98.990	83.009,112	1.801.908,620	21,707	21,242	54	56	87.945	8.164,571	108.380,552	13,274	12,809
5	7	98.968	79.416,586	1.718.899,508	21,644	21,178	55	57	86.998	7.728,782	100.215,981	12,967	12,501
6	8	98.945	75.979,708	1.639.482,923	21,578	21,112	56	58	85.961	7.307,840	92.487,199	12,656	12,190
7	9	98.924	72.692,402	1.563.503,215	21,508	21,043	57	59	84.877	6.904,970	85.179,358	12,336	11,870
8	10	98.906	69.549,023	1.490.810,813	21,435	20,970	58	60	83.715	6.517,151	78.274,388	12,011	11,545
9	11	98.886	66.540,580	1.421.261,789	21,359	20,894	59	61	82.461	6.143,074	71.757,237	11,681	11,215
10	12	98.867	63.663,266	1.354.721,209	21,279	20,814	60	62	81.135	5.784,017	65.614,162	11,344	10,878
11	13	98.849	60.910,888	1.291.057,943	21,196	20,730	61	63	79.716	5.438,191	59.830,146	11,002	10,536
12	14	98.826	58.273,863	1.230.147,055	21,110	20,644	62	64	78.223	5.106,533	54.391,955	10,651	10,186
13	15	98.801	55.750,683	1.171.873,191	21,020	20,554	63	65	76.605	4.785,558	49.285,422	10,299	9,833
14	16	98.771	53.333,488	1.116.122,508	20,927	20,462	64	66	74.882	4.476,442	44.499,864	9,941	9,475
15	17	98.732	51.016,608	1.062.789,020	20,832	20,367	65	67	73.032	4.177,889	40.023,422	9,580	9,114
16	18	98.687	48.797,466	1.011.772,412	20,734	20,269	66	68	71.024	3.888,036	35.845,532	9,219	8,754
17	19	98.620	46.664,830	962.974,946	20,636	20,170	67	69	68.868	3.607,675	31.957,496	8,858	8,393
18	20	98.543	44.620,334	916.310,115	20,536	20,070	68	70	66.533	3.335,270	28.349,821	8,500	8,034
19	21	98.437	42.653,020	871.689,782	20,437	19,971	69	71	64.037	3.071,904	25.014,551	8,143	7,677
20	22	98.334	40.773,435	829.036,761	20,333	19,867	70	72	61.377	2.817,490	21.942,647	7,788	7,322
21	23	98.233	38.977,422	788.263,326	20,224	19,758	71	73	58.551	2.572,050	19.125,158	7,436	6,970
22	24	98.130	37.259,999	749.285,905	20,110	19,644	72	74	55.552	2.335,220	16.553,108	7,088	6,623
23	25	98.029	35.618,939	712.025,906	19,990	19,524	73	75	52.376	2.106,915	14.217,888	6,748	6,283
24	26	97.932	34.051,464	676.406,967	19,864	19,399	74	76	49.040	1.887,743	12.110,972	6,416	5,950
25	27	97.834	32.552,374	642.355,504	19,733	19,267	75	77	45.598	1.679,684	10.223,229	6,086	5,621
26	28	97.734	31.118,740	609.803,130	19,596	19,130	76	78	42.075	1.483,163	8.543,545	5,760	5,295
27	29	97.635	29.748,569	578.684,390	19,453	18,987	77	79	38.495	1.298,514	7.060,382	5,437	4,972
28	30	97.537	28.438,845	548.935,822	19,302	18,837	78	80	34.857	1.125,172	5.761,867	5,121	4,655
29	31	97.433	27.185,298	520.496,977	19,146	18,681	79	81	31.146	962,092	4.636,695	4,819	4,354
30	32	97.330	25.987,056	493.311,679	18,983	18,517	80	82	27.451	811,449	3.674,603	4,528	4,063
31	33	97.224	24.840,993	467.324,622	18,813	18,347	81	83	23.769	672,345	2.863,155	4,258	3,793
32	34	97.109	23.743,022	442.483,630	18,636	18,171	82	84	20.254	548,248	2.190,809	3,996	3,530
33	35	96.983	22.691,338	418.740,608	18,454	17,988	83	85	16.878	437,192	1.642,561	3,757	3,291
34	36	96.849	21.684,045	396.049,269	18,265	17,799	84	86	13.842	343,113	1.205,369	3,513	3,047
35	37	96.702	20.718,741	374.365,225	18,069	17,603	85	87	11.074	262,682	862,257	3,283	2,817
36	38	96.541	19.793,653	353.646,483	17,867	17,401	86	88	8.634	195,972	599,575	3,059	2,594
37	39	96.365	18.906,678	333.852,830	17,658	17,192	87	89	6.505	141,293	403,602	2,856	2,391
38	40	96.171	18.056,196	314.946,152	17,443	16,977	88	90	4.709	97,872	262,309	2,680	2,215
39	41	95.955	17.239,835	296.889,956	17,221	16,756	89	91	3.287	65,382	164,437	2,515	2,049
40	42	95.713	16.455,741	279.650,121	16,994	16,528	90	92	2.191	41,700	99,055	2,375	1,910
41	43	95.440	15.702,321	263.194,380	16,761	16,296	91	93	1.403	25,557	57,355	2,244	1,779
42	44	95.135	14.978,132	247.492,060	16,524	16,058	92	94	857	14,941	31,799	2,128	1,663
43	45	94.793	14.281,621	232.513,927	16,281	15,815	93	95	500	8,334	16,857	2,023	1,557
44	46	94.409	13.611,169	218.232,307	16,033	15,568	94	96	277	4,423	8,524	1,927	1,461
45	47	93.986	12.966,768	204.621,138	15,780	15,315	95	97	146	2,228	4,101	1,840	1,375
46	48	93.515	12.346,153	191.654,370	15,523	15,058	96	98	73	1,063	1,872	1,761	1,296
47	49	93.000	11.749,438	179.308,217	15,261	14,795	97	99	34	0,479	0,809	1,689	1,224
48	50	92.428	11.174,382	167.558,779	14,995	14,529	98	100	15	0,203	0,330	1,624	1,159
49	51	91.818	10.622,627	156.384,397	14,722	14,256	99	101	6	0,081	0,127	1,565	1,099
							100	102	2	0,030	0,046	1,511	1,046

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -3 Jahre

Zinsfuß 4,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	3	99.565	99.564,939	2.171.507,733	21,810	21,344	50	53	90.877	10.060,955	144.124,076	14,325	13,859
1	4	99.094	94.826,490	2.071.942,794	21,850	21,384	51	54	90.141	9.549,751	134.063,121	14,038	13,573
2	5	99.041	90.694,678	1.977.116,304	21,800	21,334	52	55	89.362	9.059,551	124.513,371	13,744	13,278
3	6	99.008	86.760,349	1.886.421,626	21,743	21,277	53	56	88.502	8.585,945	115.453,819	13,447	12,981
4	7	98.981	83.001,463	1.799.661,278	21,682	21,217	54	57	87.592	8.131,793	106.867,875	13,142	12,676
5	8	98.959	79.409,669	1.716.659,815	21,618	21,152	55	58	86.609	7.694,288	98.736,082	12,832	12,367
6	9	98.936	75.972,415	1.637.250,146	21,551	21,085	56	59	85.547	7.272,648	91.041,794	12,518	12,053
7	10	98.918	72.687,705	1.561.277,731	21,479	21,014	57	60	84.446	6.869,867	83.769,146	12,194	11,728
8	11	98.897	69.543,175	1.488.590,026	21,405	20,940	58	61	83.254	6.481,279	76.899,279	11,865	11,399
9	12	98.876	66.534,340	1.419.046,851	21,328	20,862	59	62	81.997	6.108,505	70.417,999	11,528	11,062
10	13	98.859	63.657,860	1.352.512,512	21,247	20,781	60	63	80.624	5.747,618	64.309,495	11,189	10,723
11	14	98.840	60.904,986	1.288.854,652	21,162	20,696	61	64	79.174	5.401,201	58.561,876	10,842	10,377
12	15	98.814	58.267,073	1.227.949,666	21,075	20,609	62	65	77.651	5.069,189	53.160,675	10,487	10,021
13	16	98.783	55.740,722	1.169.682,593	20,984	20,519	63	66	75.980	4.746,473	48.091,485	10,132	9,666
14	17	98.750	53.322,193	1.113.941,870	20,891	20,425	64	67	74.204	4.435,901	43.345,012	9,771	9,306
15	18	98.710	51.005,384	1.060.619,677	20,794	20,329	65	68	72.290	4.135,421	38.909,111	9,409	8,943
16	19	98.658	48.783,433	1.009.614,293	20,696	20,230	66	69	70.212	3.843,566	34.773,690	9,047	8,582
17	20	98.593	46.651,895	960.830,861	20,596	20,130	67	70	67.990	3.561,648	30.930,124	8,684	8,219
18	21	98.512	44.606,240	914.178,966	20,494	20,029	68	71	65.588	3.287,864	27.368,476	8,324	7,858
19	22	98.413	42.642,584	869.572,726	20,392	19,927	69	72	62.999	3.022,101	24.080,612	7,968	7,503
20	23	98.307	40.762,396	826.930,142	20,287	19,821	70	73	60.270	2.766,693	21.058,511	7,611	7,146
21	24	98.207	38.967,252	786.167,746	20,175	19,709	71	74	57.358	2.519,651	18.291,818	7,260	6,794
22	25	98.103	37.249,876	747.200,494	20,059	19,594	72	75	54.288	2.282,067	15.772,167	6,911	6,446
23	26	98.005	35.610,174	709.950,618	19,937	19,471	73	76	51.018	2.052,288	13.490,100	6,573	6,108
24	27	97.905	34.041,931	674.340,443	19,809	19,343	74	77	47.620	1.833,096	11.437,812	6,240	5,774
25	28	97.806	32.542,887	640.298,513	19,676	19,210	75	78	44.115	1.625,400	9.604,716	5,910	5,445
26	29	97.705	31.109,503	607.755,626	19,536	19,070	76	79	40.516	1.428,194	7.979,676	5,587	5,122
27	30	97.607	29.739,861	576.646,123	19,390	18,924	77	80	36.875	1.243,891	6.551,482	5,267	4,801
28	31	97.505	28.429,533	546.906,262	19,237	18,772	78	81	33.159	1.070,360	5.307,591	4,959	4,493
29	32	97.398	27.175,587	518.476,729	19,079	18,613	79	82	29.410	908,461	4.237,231	4,664	4,199
30	33	97.295	25.977,816	491.301,141	18,912	18,447	80	83	25.677	759,010	3.328,770	4,386	3,920
31	34	97.185	24.831,067	465.323,326	18,740	18,274	81	84	22.066	624,167	2.569,761	4,117	3,651
32	35	97.063	23.731,891	440.492,259	18,561	18,096	82	85	18.626	504,190	1.945,594	3,859	3,393
33	36	96.934	22.679,721	416.760,368	18,376	17,910	83	86	15.413	399,233	1.441,404	3,610	3,145
34	37	96.794	21.671,783	394.080,646	18,184	17,718	84	87	12.447	308,522	1.042,171	3,378	2,912
35	38	96.642	20.706,036	372.408,863	17,986	17,520	85	88	9.769	231,718	733,649	3,166	2,701
36	39	96.474	19.779,807	351.702,827	17,781	17,315	86	89	7.498	170,196	501,932	2,949	2,484
37	40	96.288	18.891,548	331.923,020	17,570	17,104	87	90	5.541	120,350	331,735	2,756	2,291
38	41	96.088	18.040,487	313.031,472	17,352	16,886	88	91	3.939	81,874	211,385	2,582	2,116
39	42	95.860	17.222,794	294.990,985	17,128	16,662	89	92	2.671	53,129	129,511	2,438	1,972
40	43	95.605	16.437,233	277.768,191	16,899	16,433	90	93	1.741	33,135	76,382	2,305	1,840
41	44	95.316	15.681,939	261.330,958	16,664	16,199	91	94	1.089	19,832	43,247	2,181	1,715
42	45	95.003	14.957,283	245.649,019	16,423	15,958	92	95	649	11,309	23,415	2,071	1,605
43	46	94.643	14.258,970	230.691,736	16,179	15,713	93	96	368	6,144	12,106	1,970	1,505
44	47	94.239	13.586,723	216.432,766	15,930	15,464	94	97	199	3,172	5,962	1,880	1,414
45	48	93.804	12.941,552	202.846,043	15,674	15,208	95	98	102	1,553	2,790	1,797	1,331
46	49	93.317	12.319,980	189.904,491	15,414	14,949	96	99	49	0,719	1,238	1,722	1,256
47	50	92.776	11.721,161	177.584,511	15,151	14,685	97	100	22	0,314	0,519	1,654	1,188
48	51	92.195	11.146,149	165.863,350	14,881	14,415	98	101	10	0,129	0,205	1,592	1,126
49	52	91.563	10.593,125	154.717,201	14,605	14,140	99	102	4	0,050	0,076	1,536	1,070
							100	103	1	0,018	0,027	1,485	1,019

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -4 Jahre

Zinsfuß 4,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	4	99.548	99.547,849	2.169.040,198	21,789	21,323	50	54	90.590	10.029,187	142.367,808	14,195	13,730
1	5	99.081	94.814,242	2.069.492,349	21,827	21,361	51	55	89.828	9.516,534	132.338,621	13,906	13,441
2	6	99.028	90.682,822	1.974.678,107	21,776	21,310	52	56	89.024	9.025,244	122.822,086	13,609	13,143
3	7	98.999	86.752,354	1.883.995,285	21,717	21,251	53	57	88.146	8.551,475	113.796,842	13,307	12,842
4	8	98.972	82.994,234	1.797.242,931	21,655	21,189	54	58	87.201	8.095,500	105.245,368	13,000	12,535
5	9	98.949	79.402,047	1.714.248,697	21,589	21,124	55	59	86.192	7.657,235	97.149,868	12,687	12,222
6	10	98.929	75.967,506	1.634.846,650	21,520	21,055	56	60	85.112	7.235,676	89.492,633	12,368	11,903
7	11	98.910	72.681,592	1.558.879,145	21,448	20,982	57	61	83.981	6.832,053	82.256,957	12,040	11,574
8	12	98.888	69.536,653	1.486.197,553	21,373	20,907	58	62	82.786	6.444,807	75.424,904	11,703	11,238
9	13	98.868	66.528,689	1.416.660,899	21,294	20,828	59	63	81.481	6.070,065	68.980,097	11,364	10,898
10	14	98.849	63.651,692	1.350.132,210	21,211	20,746	60	64	80.076	5.708,524	62.910,032	11,020	10,555
11	15	98.828	60.897,889	1.286.480,518	21,125	20,660	61	65	78.595	5.361,703	57.201,508	10,669	10,203
12	16	98.796	58.256,663	1.225.582,629	21,038	20,572	62	66	77.017	5.027,787	51.839,804	10,311	9,845
13	17	98.763	55.728,918	1.167.325,967	20,947	20,481	63	67	75.292	4.703,486	46.812,017	9,953	9,487
14	18	98.728	53.310,461	1.111.597,049	20,851	20,386	64	68	73.449	4.390,810	42.108,531	9,590	9,125
15	19	98.681	50.990,715	1.058.286,588	20,754	20,289	65	69	71.463	4.088,122	37.717,721	9,226	8,761
16	20	98.631	48.769,909	1.007.295,872	20,654	20,188	66	70	69.316	3.794,529	33.629,599	8,863	8,397
17	21	98.562	46.637,159	958.525,963	20,553	20,087	67	71	67.023	3.511,024	29.835,070	8,498	8,032
18	22	98.488	44.595,326	911.888,804	20,448	19,982	68	72	64.524	3.234,560	26.324,045	8,138	7,673
19	23	98.386	42.631,039	867.293,478	20,344	19,879	69	73	61.863	2.967,616	23.089,485	7,780	7,315
20	24	98.282	40.751,761	824.662,438	20,236	19,771	70	74	59.042	2.710,329	20.121,870	7,424	6,959
21	25	98.180	38.956,666	783.910,678	20,123	19,657	71	75	56.053	2.462,299	17.411,541	7,071	6,606
22	26	98.079	37.240,710	744.954,012	20,004	19,538	72	76	52.880	2.222,898	14.949,242	6,725	6,259
23	27	97.978	35.600,205	707.713,302	19,879	19,414	73	77	49.542	1.992,878	12.726,343	6,386	5,920
24	28	97.877	34.032,010	672.113,097	19,749	19,284	74	78	46.071	1.773,461	10.733,465	6,052	5,587
25	29	97.776	32.533,227	638.081,087	19,613	19,148	75	79	42.480	1.564,813	8.960,005	5,726	5,260
26	30	97.676	31.100,397	605.547,860	19,471	19,005	76	80	38.812	1.368,116	7.395,192	5,405	4,940
27	31	97.575	29.730,124	574.447,463	19,322	18,856	77	81	35.079	1.183,295	6.027,076	5,093	4,628
28	32	97.470	28.419,378	544.717,339	19,167	18,701	78	82	31.311	1.010,694	4.843,781	4,793	4,327
29	33	97.364	27.165,924	516.297,961	19,005	18,540	79	83	27.509	849,753	3.833,087	4,511	4,045
30	34	97.256	25.967,436	489.132,037	18,836	18,371	80	84	23.837	704,620	2.983,334	4,234	3,768
31	35	97.140	24.819,425	463.164,601	18,661	18,196	81	85	20.293	574,008	2.278,714	3,970	3,504
32	36	97.013	23.719,741	438.345,176	18,480	18,015	82	86	17.009	460,414	1.704,706	3,703	3,237
33	37	96.879	22.666,897	414.625,434	18,292	17,826	83	87	13.859	358,984	1.244,292	3,466	3,001
34	38	96.735	21.658,494	391.958,537	18,097	17,632	84	88	10.980	272,154	885,308	3,253	2,787
35	39	96.575	20.691,552	370.300,044	17,896	17,431	85	89	8.484	201,241	613,154	3,047	2,581
36	40	96.396	19.763,978	349.608,492	17,689	17,224	86	90	6.387	144,969	411,913	2,841	2,376
37	41	96.204	18.875,113	329.844,514	17,475	17,009	87	91	4.635	100,677	266,944	2,651	2,186
38	42	95.993	18.022,654	310.969,401	17,254	16,789	88	92	3.201	66,531	166,267	2,499	2,033
39	43	95.753	17.203,424	292.946,747	17,028	16,563	89	93	2.122	42,217	99,736	2,362	1,897
40	44	95.481	16.415,897	275.743,323	16,797	16,332	90	94	1.351	25,713	57,519	2,237	1,771
41	45	95.184	15.660,109	259.327,425	16,560	16,094	91	95	824	15,010	31,806	2,119	1,653
42	46	94.852	14.933,560	243.667,316	16,317	15,851	92	96	478	8,337	16,796	2,015	1,549
43	47	94.473	14.233,361	228.733,756	16,070	15,605	93	97	264	4,406	8,459	1,920	1,454
44	48	94.056	13.560,302	214.500,395	15,818	15,353	94	98	138	2,210	4,053	1,834	1,368
45	49	93.605	12.914,117	200.940,093	15,560	15,094	95	99	69	1,050	1,843	1,755	1,290
46	50	93.092	12.290,329	188.025,976	15,299	14,833	96	100	32	0,471	0,793	1,684	1,219
47	51	92.542	11.691,545	175.735,646	15,031	14,565	97	101	14	0,199	0,322	1,620	1,154
48	52	91.939	11.115,193	164.044,101	14,759	14,293	98	102	6	0,079	0,123	1,561	1,095
49	53	91.287	10.561,100	152.928,908	14,480	14,015	99	103	2	0,029	0,044	1,508	1,042
							100	104	1	0,010	0,015	1,459	0,994

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -5 Jahre

Zinsfuß 4,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	5	99.535	99.534,992	2.166.399,222	21,765	21,300	50	55	90.275	9.994,303	140.486,710	14,057	13,591
1	6	99.068	94.801,848	2.066.864,230	21,802	21,336	51	56	89.487	9.480,496	130.492,406	13,764	13,299
2	7	99.019	90.674,466	1.972.062,382	21,749	21,283	52	57	88.666	8.989,010	121.011,910	13,462	12,997
3	8	98.990	86.744,799	1.881.387,916	21,689	21,223	53	58	87.753	8.513,309	112.022,900	13,159	12,693
4	9	98.963	82.986,267	1.794.643,117	21,626	21,160	54	59	86.781	8.056,515	103.509,591	12,848	12,382
5	10	98.943	79.396,916	1.711.656,850	21,558	21,093	55	60	85.754	7.618,307	95.453,076	12,529	12,064
6	11	98.921	75.961,117	1.632.259,934	21,488	21,022	56	61	84.644	7.195,849	87.834,769	12,206	11,741
7	12	98.900	72.674,776	1.556.298,817	21,415	20,949	57	62	83.508	6.793,607	80.638,920	11,870	11,404
8	13	98.880	69.530,748	1.483.624,040	21,338	20,872	58	63	82.265	6.404,250	73.845,313	11,531	11,065
9	14	98.858	66.522,243	1.414.093,293	21,257	20,792	59	64	80.926	6.028,777	67.441,063	11,187	10,721
10	15	98.838	63.644,275	1.347.571,050	21,173	20,708	60	65	79.490	5.666,779	61.412,286	10,837	10,372
11	16	98.811	60.887,009	1.283.926,775	21,087	20,621	61	66	77.953	5.317,912	55.745,507	10,483	10,017
12	17	98.775	58.244,325	1.223.039,766	20,998	20,533	62	67	76.320	4.982,253	50.427,594	10,121	9,656
13	18	98.741	55.716,656	1.164.795,441	20,906	20,440	63	68	74.526	4.655,675	45.445,342	9,761	9,296
14	19	98.700	53.295,130	1.109.078,785	20,810	20,345	64	69	72.609	4.340,590	40.789,666	9,397	8,932
15	20	98.654	50.976,580	1.055.783,655	20,711	20,246	65	70	70.552	4.035,965	36.449,077	9,031	8,565
16	21	98.600	48.754,505	1.004.807,075	20,610	20,144	66	71	68.331	3.740,595	32.413,112	8,665	8,200
17	22	98.538	46.625,749	956.052,570	20,505	20,039	67	72	65.937	3.454,103	28.672,516	8,301	7,835
18	23	98.461	44.583,252	909.426,821	20,398	19,933	68	73	63.361	3.176,244	25.218,413	7,940	7,474
19	24	98.361	42.619,916	864.843,569	20,292	19,826	69	74	60.603	2.907,158	22.042,169	7,582	7,116
20	25	98.255	40.740,689	822.223,652	20,182	19,716	70	75	57.698	2.648,637	19.135,011	7,224	6,759
21	26	98.156	38.947,080	781.482,963	20,065	19,600	71	76	54.600	2.398,458	16.486,374	6,874	6,408
22	27	98.052	37.230,284	742.535,883	19,944	19,479	72	77	51.349	2.158,549	14.087,916	6,527	6,061
23	28	97.949	35.589,830	705.305,599	19,818	19,352	73	78	47.930	1.928,044	11.929,367	6,187	5,722
24	29	97.847	34.021,908	669.715,769	19,685	19,219	74	79	44.363	1.707,732	10.001,323	5,856	5,391
25	30	97.748	32.523,705	635.693,861	19,546	19,080	75	80	40.693	1.498,987	8.293,590	5,533	5,067
26	31	97.644	31.090,214	603.170,156	19,401	18,935	76	81	36.921	1.301,469	6.794,603	5,221	4,755
27	32	97.540	29.719,504	572.079,942	19,249	18,784	77	82	33.124	1.117,334	5.493,134	4,916	4,451
28	33	97.435	28.409,273	542.360,438	19,091	18,625	78	83	29.287	945,379	4.375,801	4,629	4,163
29	34	97.325	27.155,070	513.951,165	18,927	18,461	79	84	25.538	788,861	3.430,422	4,349	3,883
30	35	97.211	25.955,262	486.796,096	18,755	18,290	80	85	21.922	647,996	2.641,560	4,077	3,611
31	36	97.090	24.806,719	460.840,834	18,577	18,112	81	86	18.531	524,170	1.993,564	3,803	3,338
32	37	96.958	23.706,329	436.034,115	18,393	17,928	82	87	15.294	413,998	1.469,395	3,549	3,084
33	38	96.820	22.652,997	412.327,786	18,202	17,736	83	88	12.225	316,668	1.055,397	3,333	2,867
34	39	96.667	21.643,343	389.674,789	18,004	17,539	84	89	9.535	236,358	738,729	3,125	2,660
35	40	96.497	20.674,993	368.031,446	17,801	17,335	85	90	7.226	171,412	502,371	2,931	2,465
36	41	96.313	19.746,784	347.356,453	17,591	17,125	86	91	5.343	121,272	330,959	2,729	2,263
37	42	96.109	18.856,455	327.609,669	17,374	16,908	87	92	3.766	81,810	209,687	2,563	2,097
38	43	95.885	18.002,385	308.753,214	17,151	16,685	88	93	2.543	52,866	127,876	2,419	1,953
39	44	95.628	17.181,094	290.750,829	16,923	16,457	89	94	1.647	32,761	75,010	2,290	1,824
40	45	95.348	16.393,046	273.569,736	16,688	16,223	90	95	1.022	19,461	42,250	2,171	1,705
41	46	95.033	15.635,272	257.176,689	16,448	15,983	91	96	608	11,066	22,788	2,059	1,594
42	47	94.682	14.906,740	241.541,417	16,204	15,738	92	97	343	5,979	11,722	1,961	1,495
43	48	94.289	14.205,682	226.634,677	15,954	15,488	93	98	184	3,070	5,743	1,871	1,405
44	49	93.857	13.531,555	212.428,995	15,699	15,233	94	99	94	1,494	2,673	1,789	1,324
45	50	93.379	12.883,036	198.897,440	15,439	14,973	95	100	45	0,688	1,179	1,715	1,250
46	51	92.857	12.259,276	186.014,404	15,173	14,708	96	101	20	0,298	0,492	1,648	1,182
47	52	92.285	11.659,075	173.755,128	14,903	14,437	97	102	9	0,122	0,193	1,587	1,121
48	53	91.661	11.081,590	162.096,052	14,628	14,162	98	103	3	0,047	0,071	1,531	1,065
49	54	90.998	10.527,753	151.014,463	14,344	13,879	99	104	1	0,017	0,025	1,480	1,015
							100	105	0	0,006	0,008	1,434	0,969

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -6 Jahre

Zinsfuß 4,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	6	99.522	99.521,980	2.163.570,571	21,740	21,274	50	56	89.933	9.956,456	138.476,521	13,908	13,443
1	7	99.059	94.793,112	2.064.048,591	21,774	21,309	51	57	89.128	9.442,435	128.520,065	13,611	13,145
2	8	99.010	90.666,569	1.969.255,479	21,720	21,254	52	58	88.271	8.948,891	119.077,630	13,306	12,841
3	9	98.981	86.736,472	1.878.588,910	21,659	21,193	53	59	87.330	8.472,312	110.128,739	12,999	12,533
4	10	98.956	82.980,905	1.791.852,437	21,594	21,128	54	60	86.340	8.015,557	101.656,427	12,682	12,217
5	11	98.935	79.390,239	1.708.871,532	21,525	21,059	55	61	85.282	7.576,374	93.640,870	12,360	11,894
6	12	98.912	75.953,994	1.629.481,293	21,454	20,988	56	62	84.167	7.155,355	86.064,496	12,028	11,562
7	13	98.892	72.668,604	1.553.527,299	21,378	20,913	57	63	82.983	6.750,856	78.909,140	11,689	11,223
8	14	98.870	69.524,011	1.480.858,695	21,300	20,834	58	64	81.705	6.360,690	72.158,285	11,344	10,879
9	15	98.847	66.514,492	1.411.334,685	21,218	20,753	59	65	80.335	5.984,690	65.797,595	10,994	10,529
10	16	98.820	63.632,903	1.344.820,193	21,134	20,668	60	66	78.841	5.620,496	59.812,905	10,642	10,176
11	17	98.790	60.874,114	1.281.187,289	21,047	20,581	61	67	77.247	5.269,750	54.192,409	10,284	9,818
12	18	98.754	58.231,510	1.220.313,175	20,956	20,491	62	68	75.544	4.931,608	48.922,659	9,920	9,455
13	19	98.712	55.700,633	1.162.081,665	20,863	20,397	63	69	73.674	4.602,426	43.991,051	9,558	9,093
14	20	98.672	53.280,356	1.106.381,032	20,765	20,300	64	70	71.683	4.285,212	39.388,625	9,192	8,726
15	21	98.623	50.960,479	1.053.100,676	20,665	20,199	65	71	69.549	3.978,600	35.103,413	8,823	8,357
16	22	98.576	48.742,576	1.002.140,197	20,560	20,094	66	72	67.223	3.679,952	31.124,813	8,458	7,992
17	23	98.511	46.613,125	953.397,621	20,453	19,988	67	73	64.748	3.391,828	27.444,862	8,091	7,626
18	24	98.435	44.571,620	906.784,496	20,344	19,879	68	74	62.070	3.111,537	24.053,033	7,730	7,265
19	25	98.334	42.608,338	862.212,875	20,236	19,770	69	75	59.223	2.840,986	20.941,497	7,371	6,906
20	26	98.231	40.730,665	819.604,538	20,123	19,657	70	76	56.202	2.579,964	18.100,511	7,016	6,550
21	27	98.129	38.936,176	778.873,873	20,004	19,538	71	77	53.019	2.329,027	15.520,546	6,664	6,198
22	28	98.023	37.219,434	739.937,697	19,880	19,415	72	78	49.679	2.088,326	13.191,520	6,317	5,851
23	29	97.920	35.579,266	702.718,263	19,751	19,285	73	79	46.153	1.856,587	11.103,193	5,980	5,515
24	30	97.819	34.011,950	667.138,997	19,615	19,149	74	80	42.497	1.635,895	9.246,606	5,652	5,187
25	31	97.716	32.513,056	633.127,047	19,473	19,007	75	81	38.711	1.425,965	7.610,712	5,337	4,872
26	32	97.610	31.079,108	600.613,992	19,325	18,860	76	82	34.863	1.228,920	6.184,747	5,033	4,567
27	33	97.505	29.708,936	569.534,883	19,170	18,705	77	83	30.983	1.045,127	4.955,827	4,742	4,276
28	34	97.396	28.397,921	539.825,947	19,009	18,544	78	84	27.188	877,635	3.910,700	4,456	3,990
29	35	97.279	27.142,339	511.428,026	18,842	18,377	79	85	23.486	725,467	3.033,065	4,181	3,715
30	36	97.161	25.941,974	484.285,687	18,668	18,202	80	86	20.018	591,734	2.307,598	3,900	3,434
31	37	97.035	24.792,692	458.343,713	18,487	18,021	81	87	16.663	471,326	1.715,864	3,641	3,175
32	38	96.899	23.691,792	433.551,022	18,300	17,834	82	88	13.492	365,197	1.244,538	3,408	2,942
33	39	96.752	22.637,151	409.859,230	18,106	17,640	83	89	10.617	275,018	879,341	3,197	2,732
34	40	96.590	21.626,023	387.222,079	17,905	17,440	84	90	8.122	201,324	604,324	3,002	2,536
35	41	96.413	20.657,007	365.596,056	17,698	17,233	85	91	6.045	143,392	402,999	2,810	2,345
36	42	96.217	19.727,264	344.939,049	17,485	17,020	86	92	4.341	98,546	259,607	2,634	2,169
37	43	96.001	18.835,248	325.211,785	17,266	16,801	87	93	2.993	65,007	161,061	2,478	2,012
38	44	95.760	17.979,017	306.376,537	17,041	16,575	88	94	1.974	41,025	96,054	2,341	1,876
39	45	95.495	17.157,177	288.397,520	16,809	16,344	89	95	1.247	24,795	55,029	2,219	1,754
40	46	95.197	16.367,047	271.240,343	16,572	16,107	90	96	754	14,347	30,234	2,107	1,642
41	47	94.862	15.607,192	254.873,296	16,331	15,865	91	97	436	7,936	15,887	2,002	1,536
42	48	94.498	14.877,751	239.266,104	16,082	15,617	92	98	239	4,166	7,951	1,909	1,443
43	49	94.089	14.175,567	224.388,353	15,829	15,364	93	99	124	2,075	3,785	1,824	1,358
44	50	93.631	13.498,988	210.212,786	15,572	15,107	94	100	61	0,979	1,710	1,747	1,281
45	51	93.144	12.850,485	196.713,797	15,308	14,842	95	101	29	0,436	0,731	1,677	1,211
46	52	92.599	12.225,229	183.863,312	15,040	14,574	96	102	13	0,183	0,295	1,613	1,147
47	53	92.006	11.623,827	171.638,083	14,766	14,300	97	103	5	0,072	0,112	1,555	1,089
48	54	91.371	11.046,599	160.014,255	14,485	14,020	98	104	2	0,027	0,040	1,502	1,037
49	55	90.682	10.491,135	148.967,656	14,199	13,734	99	105	1	0,009	0,013	1,454	0,989
							100	106					

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -7 Jahre

Zinsfuß 4,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	7	99.513	99.512,810	2.160.544,327	21,711	21,246	50	57	89.572	9.916,484	136.332,989	13,748	13,283
1	8	99.050	94.784,857	2.061.031,517	21,744	21,279	51	58	88.730	9.400,293	126.416,505	13,448	12,983
2	9	99.001	90.657,866	1.966.246,660	21,689	21,223	52	59	87.846	8.905,797	117.016,213	13,139	12,674
3	10	98.974	86.730,868	1.875.588,795	21,625	21,160	53	60	86.886	8.429,240	108.110,416	12,826	12,360
4	11	98.948	82.973,927	1.788.857,927	21,559	21,094	54	61	85.865	7.971,438	99.681,176	12,505	12,039
5	12	98.925	79.382,794	1.705.884,000	21,489	21,024	55	62	84.802	7.533,739	91.709,738	12,173	11,708
6	13	98.903	75.947,543	1.626.501,206	21,416	20,950	56	63	83.638	7.110,327	84.175,999	11,839	11,373
7	14	98.882	72.661,563	1.550.553,663	21,339	20,874	57	64	82.418	6.704,937	77.065,671	11,494	11,028
8	15	98.859	69.515,909	1.477.892,099	21,260	20,794	58	65	81.108	6.314,175	70.360,734	11,143	10,678
9	16	98.829	66.502,608	1.408.376,190	21,178	20,712	59	66	79.679	5.935,811	64.046,559	10,790	10,324
10	17	98.799	63.619,428	1.341.873,582	21,092	20,627	60	67	78.127	5.569,594	58.110,748	10,434	9,968
11	18	98.768	60.860,721	1.278.254,155	21,003	20,537	61	68	76.462	5.216,183	52.541,155	10,073	9,607
12	19	98.725	58.214,763	1.217.393,434	20,912	20,446	62	69	74.680	4.875,203	47.324,971	9,707	9,242
13	20	98.685	55.685,192	1.159.178,670	20,817	20,351	63	70	72.734	4.543,707	42.449,769	9,343	8,877
14	21	98.641	53.263,527	1.103.493,478	20,718	20,252	64	71	70.664	4.224,304	37.906,062	8,973	8,508
15	22	98.599	50.948,010	1.050.229,951	20,614	20,148	65	72	68.421	3.914,098	33.681,758	8,605	8,140
16	23	98.549	48.729,380	999.281,941	20,507	20,041	66	73	66.011	3.613,606	29.767,660	8,238	7,772
17	24	98.485	46.600,963	950.552,561	20,398	19,932	67	74	63.429	3.322,729	26.154,055	7,871	7,406
18	25	98.409	44.559,511	903.951,598	20,286	19,821	68	75	60.657	3.040,713	22.831,326	7,509	7,043
19	26	98.310	42.597,853	859.392,087	20,175	19,709	69	76	57.688	2.767,327	19.790,613	7,152	6,686
20	27	98.203	40.719,262	816.794,234	20,059	19,594	70	77	54.575	2.505,279	17.023,287	6,795	6,329
21	28	98.100	38.924,829	776.074,972	19,938	19,472	71	78	51.294	2.253,257	14.518,008	6,443	5,978
22	29	97.994	37.208,387	737.150,143	19,811	19,346	72	79	47.838	2.010,928	12.264,751	6,099	5,633
23	30	97.891	35.568,852	699.941,756	19,679	19,213	73	80	44.212	1.778,488	10.253,822	5,765	5,300
24	31	97.787	34.000,814	664.372,905	19,540	19,074	74	81	40.427	1.556,203	8.475,335	5,446	4,981
25	32	97.681	32.501,442	630.372,091	19,395	18,930	75	82	36.553	1.346,476	6.919,131	5,139	4,673
26	33	97.575	31.068,057	597.870,649	19,244	18,778	76	83	32.610	1.149,502	5.572,655	4,848	4,382
27	34	97.466	29.697,065	566.802,592	19,086	18,621	77	84	28.763	970,236	4.423,154	4,559	4,093
28	35	97.351	28.384,608	537.105,527	18,922	18,457	78	85	25.004	807,107	3.452,918	4,278	3,813
29	36	97.229	27.128,443	508.720,919	18,752	18,287	79	86	21.447	662,479	2.645,811	3,994	3,528
30	37	97.106	25.927,304	481.592,476	18,575	18,109	80	87	18.000	532,079	1.983,332	3,728	3,262
31	38	96.976	24.777,489	455.665,171	18,390	17,925	81	88	14.698	415,767	1.451,254	3,491	3,025
32	39	96.831	23.675,219	430.887,683	18,200	17,734	82	89	11.717	317,163	1.035,487	3,265	2,799
33	40	96.674	22.619,035	407.212,464	18,003	17,537	83	90	9.044	234,253	718,323	3,066	2,601
34	41	96.506	21.607,209	384.593,429	17,799	17,334	84	91	6.794	168,415	484,070	2,874	2,409
35	42	96.318	20.636,587	362.986,220	17,589	17,124	85	92	4.912	116,521	315,655	2,709	2,243
36	43	96.109	19.705,078	342.349,633	17,374	16,908	86	93	3.450	78,305	199,134	2,543	2,077
37	44	95.876	18.810,799	322.644,555	17,152	16,686	87	94	2.322	50,446	120,829	2,395	1,930
38	45	95.627	17.953,990	303.833,756	16,923	16,457	88	95	1.494	31,050	70,382	2,267	1,801
39	46	95.344	17.129,966	285.879,766	16,689	16,223	89	96	919	18,280	39,332	2,152	1,686
40	47	95.026	16.337,652	268.749,800	16,450	15,984	90	97	541	10,289	21,053	2,046	1,580
41	48	94.678	15.576,841	252.412,148	16,204	15,739	91	98	304	5,529	10,763	1,947	1,481
42	49	94.297	14.846,212	236.835,306	15,953	15,487	92	99	162	2,816	5,234	1,859	1,393
43	50	93.863	14.141,450	221.989,095	15,698	15,232	93	100	82	1,359	2,418	1,778	1,313
44	51	93.394	13.464,881	207.847,644	15,436	14,971	94	101	39	0,620	1,058	1,706	1,240
45	52	92.885	12.814,797	194.382,763	15,169	14,703	95	102	17	0,267	0,438	1,639	1,174
46	53	92.319	12.188,270	181.567,966	14,897	14,431	96	103	7	0,108	0,171	1,579	1,114
47	54	91.715	11.587,125	169.379,697	14,618	14,152	97	104	3	0,041	0,063	1,524	1,059
48	55	91.054	11.008,176	157.792,572	14,334	13,869	98	105	1	0,015	0,022	1,474	1,009
49	56	90.339	10.451,406	146.784,395	14,044	13,579	99	106					
							100	107					

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -8 Jahre

Zinsfuß 4,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	8	99.504	99.504,143	2.157.306,275	21,681	21,215	50	58	89.172	9.872,226	134.051,141	13,579	13,113
1	9	99.041	94.775,758	2.057.802,131	21,712	21,247	51	59	88.303	9.355,024	124.178,916	13,274	12,808
2	10	98.994	90.652,008	1.963.026,373	21,655	21,189	52	60	87.399	8.860,522	114.823,892	12,959	12,493
3	11	98.966	86.723,574	1.872.374,365	21,590	21,125	53	61	86.408	8.382,844	105.963,370	12,641	12,175
4	12	98.939	82.966,146	1.785.650,791	21,523	21,057	54	62	85.382	7.926,580	97.580,526	12,311	11,845
5	13	98.917	79.376,052	1.702.684,645	21,451	20,985	55	63	84.268	7.486,330	89.653,947	11,976	11,510
6	14	98.894	75.940,184	1.623.308,593	21,376	20,911	56	64	83.069	7.061,964	82.167,616	11,635	11,170
7	15	98.871	72.653,096	1.547.368,409	21,298	20,832	57	65	81.816	6.655,905	75.105,652	11,284	10,818
8	16	98.841	69.503,489	1.474.715,312	21,218	20,752	58	66	80.445	6.262,605	68.449,747	10,930	10,464
9	17	98.808	66.488,524	1.405.211,823	21,135	20,669	59	67	78.957	5.882,052	62.187,142	10,572	10,107
10	18	98.777	63.605,430	1.338.723,299	21,047	20,582	60	68	77.333	5.512,979	56.305,089	10,213	9,748
11	19	98.740	60.843,218	1.275.117,869	20,957	20,492	61	69	75.588	5.156,523	50.792,111	9,850	9,384
12	20	98.698	58.198,626	1.214.274,651	20,864	20,399	62	70	73.727	4.813,004	45.635,588	9,482	9,016
13	21	98.654	55.667,604	1.156.076,025	20,767	20,302	63	71	71.700	4.479,125	40.822,584	9,114	8,648
14	22	98.617	53.250,495	1.100.408,422	20,665	20,199	64	72	69.518	4.155,818	36.343,459	8,745	8,280
15	23	98.572	50.934,217	1.047.157,927	20,559	20,093	65	73	67.188	3.843,530	32.187,641	8,374	7,909
16	24	98.523	48.716,666	996.223,710	20,449	19,984	66	74	64.666	3.539,988	28.344,111	8,007	7,541
17	25	98.459	46.588,303	947.507,044	20,338	19,872	67	75	61.985	3.247,098	24.804,123	7,639	7,173
18	26	98.385	44.548,547	900.918,741	20,223	19,758	68	76	59.085	2.961,874	21.557,025	7,278	6,813
19	27	98.282	42.585,927	856.370,195	20,109	19,644	69	77	56.018	2.687,217	18.595,151	6,920	6,454
20	28	98.175	40.707,395	813.784,267	19,991	19,525	70	78	52.800	2.423,776	15.907,934	6,563	6,098
21	29	98.071	38.913,275	773.076,872	19,867	19,401	71	79	49.393	2.169,747	13.484,158	6,215	5,749
22	30	97.965	37.197,495	734.163,597	19,737	19,271	72	80	45.825	1.926,336	11.314,411	5,874	5,408
23	31	97.859	35.557,206	696.966,102	19,601	19,136	73	81	42.058	1.691,850	9.388,075	5,549	5,083
24	32	97.752	33.988,668	661.408,896	19,460	18,994	74	82	38.173	1.469,454	7.696,225	5,237	4,772
25	33	97.646	32.489,885	627.420,228	19,311	18,846	75	83	34.191	1.259,461	6.226,771	4,944	4,478
26	34	97.536	31.055,643	594.930,343	19,157	18,691	76	84	30.273	1.067,131	4.967,310	4,655	4,189
27	35	97.420	29.683,143	563.874,699	18,996	18,531	77	85	26.451	892,266	3.900,179	4,371	3,905
28	36	97.301	28.370,076	534.191,557	18,829	18,364	78	86	22.833	737,030	3.007,913	4,081	3,616
29	37	97.174	27.113,103	505.821,480	18,656	18,190	79	87	19.284	595,691	2.270,883	3,812	3,347
30	38	97.046	25.911,405	478.708,378	18,475	18,009	80	88	15.878	469,359	1.675,191	3,569	3,103
31	39	96.908	24.760,156	452.796,972	18,287	17,822	81	89	12.765	361,082	1.205,833	3,339	2,874
32	40	96.754	23.656,273	428.036,816	18,094	17,628	82	90	9.980	270,152	844,750	3,127	2,661
33	41	96.590	22.599,357	404.380,543	17,893	17,428	83	91	7.565	195,962	574,599	2,932	2,467
34	42	96.410	21.585,850	381.781,186	17,687	17,221	84	92	5.521	136,854	378,637	2,767	2,301
35	43	96.210	20.613,378	360.195,336	17,474	17,008	85	93	3.903	92,589	241,782	2,611	2,146
36	44	95.984	19.679,500	339.581,958	17,256	16,790	86	94	2.677	60,766	149,194	2,455	1,990
37	45	95.743	18.784,614	319.902,458	17,030	16,564	87	95	1.758	38,181	88,428	2,316	1,850
38	46	95.475	17.925,515	301.117,843	16,798	16,333	88	96	1.101	22,891	50,247	2,195	1,729
39	47	95.172	17.099,201	283.192,328	16,562	16,096	89	97	659	13,110	27,357	2,087	1,621
40	48	94.841	16.305,881	266.093,128	16,319	15,853	90	98	377	7,169	14,247	1,987	1,522
41	49	94.477	15.543,819	249.787,247	16,070	15,604	91	99	205	3,738	7,078	1,894	1,428
42	50	94.070	14.810,481	234.243,427	15,816	15,350	92	100	106	1,845	3,340	1,811	1,345
43	51	93.626	14.105,720	219.432,946	15,556	15,091	93	101	52	0,862	1,495	1,735	1,269
44	52	93.135	13.427,486	205.327,226	15,292	14,826	94	102	24	0,380	0,633	1,666	1,201
45	53	92.604	12.776,055	191.899,740	15,020	14,555	95	103	10	0,158	0,253	1,604	1,138
46	54	92.028	12.149,785	179.123,685	14,743	14,277	96	104	4	0,062	0,095	1,547	1,081
47	55	91.396	11.546,822	166.973,900	14,461	13,995	97	105	2	0,023	0,034	1,495	1,029
48	56	90.709	10.966,490	155.427,078	14,173	13,707	98	106					
49	57	89.976	10.409,447	144.460,588	13,878	13,412	99	107					
							100	108					

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -9 Jahre

Zinsfuß 4,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	9	99.495	99.494,592	2.153.845,399	21,648	21,182	50	59	88.743	9.824,685	131.628,411	13,398	12,932
1	10	99.034	94.769,634	2.054.350,807	21,677	21,212	51	60	87.854	9.307,465	121.803,727	13,087	12,621
2	11	98.986	90.644,385	1.959.581,173	21,618	21,153	52	61	86.918	8.811,751	112.496,261	12,767	12,301
3	12	98.957	86.715,441	1.868.936,788	21,553	21,087	53	62	85.922	8.335,670	103.684,510	12,439	11,973
4	13	98.930	82.959,100	1.782.221,347	21,483	21,018	54	63	84.845	7.876,698	95.348,840	12,105	11,640
5	14	98.907	79.368,361	1.699.262,247	21,410	20,944	55	64	83.695	7.435,410	87.472,141	11,764	11,299
6	15	98.882	75.931,336	1.619.893,886	21,334	20,868	56	65	82.461	7.010,321	80.036,732	11,417	10,951
7	16	98.853	72.640,115	1.543.962,550	21,255	20,789	57	66	81.147	6.601,544	73.026,411	11,062	10,596
8	17	98.820	69.488,770	1.471.322,435	21,174	20,708	58	67	79.717	6.205,887	66.424,867	10,704	10,238
9	18	98.787	66.473,895	1.401.833,665	21,088	20,623	59	68	78.154	5.822,261	60.218,979	10,343	9,877
10	19	98.749	63.587,138	1.335.359,769	21,000	20,535	60	69	76.448	5.449,924	54.396,718	9,981	9,516
11	20	98.712	60.826,352	1.271.772,632	20,908	20,443	61	70	74.623	5.090,735	48.946,794	9,615	9,149
12	21	98.667	58.180,244	1.210.946,280	20,814	20,348	62	71	72.679	4.744,594	43.856,059	9,243	8,778
13	22	98.630	55.653,983	1.152.766,036	20,713	20,247	63	72	70.538	4.406,508	39.111,465	8,876	8,410
14	23	98.590	53.236,078	1.097.112,053	20,608	20,143	64	73	68.265	4.080,892	34.704,957	8,504	8,039
15	24	98.546	50.920,928	1.043.875,975	20,500	20,034	65	74	65.819	3.765,228	30.624,065	8,133	7,668
16	25	98.496	48.703,431	992.955,048	20,388	19,922	66	75	63.194	3.459,412	26.858,836	7,764	7,298
17	26	98.434	46.576,839	944.251,617	20,273	19,807	67	76	60.378	3.162,909	23.399,425	7,398	6,932
18	27	98.357	44.536,075	897.674,778	20,156	19,691	68	77	57.374	2.876,133	20.236,516	7,036	6,570
19	28	98.254	42.573,516	853.138,703	20,039	19,574	69	78	54.195	2.599,795	17.360,383	6,678	6,212
20	29	98.145	40.695,312	810.565,186	19,918	19,452	70	79	50.843	2.333,945	14.760,588	6,324	5,859
21	30	98.042	38.901,885	769.869,875	19,790	19,324	71	80	47.315	2.078,474	12.426,643	5,979	5,513
22	31	97.933	37.185,316	730.967,989	19,657	19,192	72	81	43.593	1.832,496	10.348,169	5,647	5,181
23	32	97.824	35.544,504	693.782,673	19,519	19,053	73	82	39.714	1.597,539	8.515,672	5,330	4,865
24	33	97.717	33.976,583	658.238,169	19,373	18,908	74	83	35.707	1.374,492	6.918,133	5,033	4,568
25	34	97.607	32.476,903	624.261,586	19,222	18,756	75	84	31.741	1.169,211	5.543,641	4,741	4,276
26	35	97.490	31.041,084	591.784,683	19,065	18,599	76	85	27.840	981,375	4.374,430	4,457	3,992
27	36	97.370	29.667,946	560.743,599	18,901	18,435	77	86	24.155	814,795	3.393,055	4,164	3,699
28	37	97.246	28.354,034	531.075,653	18,730	18,265	78	87	20.531	662,727	2.578,260	3,890	3,425
29	38	97.115	27.096,477	502.721,619	18,553	18,087	79	88	17.011	525,473	1.915,533	3,645	3,180
30	39	96.979	25.893,280	475.625,142	18,369	17,903	80	89	13.790	407,625	1.390,061	3,410	2,945
31	40	96.830	24.740,342	449.731,862	18,178	17,712	81	90	10.873	307,561	982,435	3,194	2,729
32	41	96.670	23.635,692	424.991,521	17,981	17,515	82	91	8.349	225,992	674,874	2,986	2,521
33	42	96.495	22.577,018	401.355,829	17,777	17,312	83	92	6.148	159,238	448,882	2,819	2,353
34	43	96.302	21.561,573	378.778,811	17,567	17,102	84	93	4.387	108,746	289,644	2,663	2,198
35	44	96.085	20.586,621	357.217,237	17,352	16,886	85	94	3.029	71,850	180,898	2,518	2,052
36	45	95.851	19.652,106	336.630,616	17,129	16,664	86	95	2.026	45,991	109,048	2,371	1,905
37	46	95.591	18.754,822	316.978,510	16,901	16,436	87	96	1.296	28,148	63,057	2,240	1,775
38	47	95.304	17.893,321	298.223,688	16,667	16,201	88	97	790	16,416	34,909	2,126	1,661
39	48	94.987	17.065,949	280.330,367	16,426	15,961	89	98	459	9,134	18,493	2,025	1,559
40	49	94.640	16.271,314	263.264,418	16,180	15,714	90	99	255	4,847	9,359	1,931	1,465
41	50	94.250	15.506,410	246.993,105	15,928	15,463	91	100	134	2,449	4,512	1,843	1,377
42	51	93.833	14.773,060	231.486,695	15,670	15,204	92	101	67	1,170	2,064	1,765	1,299
43	52	93.366	14.066,545	216.713,634	15,406	14,941	93	102	32	0,528	0,894	1,693	1,228
44	53	92.853	13.386,892	202.647,089	15,138	14,672	94	103	14	0,225	0,366	1,629	1,163
45	54	92.312	12.735,714	189.260,197	14,861	14,395	95	104	6	0,090	0,141	1,570	1,104
46	55	91.707	12.107,525	176.524,483	14,580	14,114	96	105	2	0,034	0,051	1,516	1,050
47	56	91.050	11.503,096	164.416,958	14,293	13,828	97	106					
48	57	90.345	10.922,463	152.913,863	14,000	13,534	98	107					
49	58	89.574	10.362,989	141.991,400	13,702	13,236	99	108					
							100	109					

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -10 Jahre

Zinsfuß 4,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	10	99.488	99.488,163	2.150.152,008	21,612	21,147	50	60	88.292	9.774,738	129.061,430	13,204	12,738
1	11	99.026	94.761,665	2.050.663,845	21,640	21,175	51	61	87.371	9.256,235	119.286,692	12,887	12,422
2	12	98.977	90.635,884	1.955.902,180	21,580	21,114	52	62	86.429	8.762,164	110.030,457	12,557	12,092
3	13	98.948	86.708,077	1.865.266,296	21,512	21,046	53	63	85.381	8.283,215	101.268,293	12,226	11,760
4	14	98.921	82.951,062	1.778.558,219	21,441	20,975	54	64	84.267	7.823,122	92.985,078	11,886	11,420
5	15	98.896	79.359,113	1.695.607,158	21,366	20,901	55	65	83.083	7.381,036	85.161,956	11,538	11,072
6	16	98.865	75.917,769	1.616.248,045	21,289	20,824	56	66	81.788	6.953,065	77.780,920	11,187	10,721
7	17	98.832	72.624,732	1.540.330,276	21,209	20,744	57	67	80.412	6.541,757	70.827,854	10,827	10,361
8	18	98.798	69.473,481	1.467.705,543	21,126	20,661	58	68	78.906	6.142,804	64.286,098	10,465	10,000
9	19	98.758	66.454,778	1.398.232,062	21,040	20,575	59	69	77.260	5.755,669	58.143,293	10,102	9,636
10	20	98.722	63.569,511	1.331.777,284	20,950	20,484	60	70	75.473	5.380,392	52.387,625	9,737	9,271
11	21	98.681	60.807,139	1.268.207,774	20,856	20,391	61	71	73.563	5.018,378	47.007,232	9,367	8,901
12	22	98.643	58.166,009	1.207.400,634	20,758	20,292	62	72	71.501	4.667,674	41.988,854	8,996	8,530
13	23	98.603	55.638,916	1.149.234,626	20,655	20,190	63	73	69.266	4.327,063	37.321,181	8,625	8,159
14	24	98.565	53.222,188	1.093.595,710	20,548	20,082	64	74	66.874	3.997,755	32.994,118	8,253	7,788
15	25	98.520	50.907,093	1.040.373,522	20,437	19,971	65	75	64.321	3.679,525	28.996,363	7,880	7,415
16	26	98.472	48.691,446	989.466,428	20,321	19,856	66	76	61.556	3.369,718	25.316,838	7,513	7,047
17	27	98.407	46.563,799	940.774,982	20,204	19,738	67	77	58.630	3.071,348	21.947,120	7,146	6,680
18	28	98.328	44.523,096	894.211,182	20,084	19,619	68	78	55.508	2.782,565	18.875,773	6,784	6,318
19	29	98.225	42.560,880	849.688,087	19,964	19,498	69	79	52.187	2.503,441	16.093,207	6,428	5,963
20	30	98.117	40.683,400	807.127,207	19,839	19,374	70	80	48.704	2.235,765	13.589,766	6,078	5,613
21	31	98.010	38.889,148	766.443,807	19,708	19,243	71	81	45.010	1.977,223	11.354,001	5,742	5,277
22	32	97.898	37.172,033	727.554,659	19,573	19,107	72	82	41.163	1.730,346	9.376,778	5,419	4,953
23	33	97.790	35.531,866	690.382,626	19,430	18,964	73	83	37.147	1.494,300	7.646,433	5,117	4,651
24	34	97.678	33.963,006	654.850,760	19,281	18,816	74	84	33.148	1.275,999	6.152,133	4,821	4,356
25	35	97.561	32.461,677	620.887,754	19,127	18,661	75	85	29.190	1.075,251	4.876,134	4,535	4,069
26	36	97.440	31.025,192	588.426,077	18,966	18,500	76	86	25.423	896,167	3.800,883	4,241	3,776
27	37	97.315	29.651,170	557.400,884	18,799	18,333	77	87	21.720	732,652	2.904,716	3,965	3,499
28	38	97.186	28.336,647	527.749,714	18,624	18,159	78	88	18.111	584,606	2.172,063	3,715	3,250
29	39	97.047	27.077,522	499.413,067	18,444	17,978	79	89	14.774	456,359	1.587,457	3,479	3,013
30	40	96.901	25.872,559	472.335,545	18,256	17,791	80	90	11.746	347,205	1.131,099	3,258	2,792
31	41	96.746	24.718,818	446.462,987	18,062	17,596	81	91	9.096	257,286	783,893	3,047	2,581
32	42	96.574	23.612,328	421.744,168	17,861	17,396	82	92	6.784	183,641	526,607	2,868	2,402
33	43	96.386	22.551,626	398.131,840	17,654	17,189	83	93	4.885	126,532	342,966	2,710	2,245
34	44	96.177	21.533,586	375.580,214	17,442	16,976	84	94	3.404	84,388	216,433	2,565	2,099
35	45	95.951	20.557,965	354.046,628	17,222	16,756	85	95	2.293	54,380	132,045	2,428	1,963
36	46	95.699	19.620,938	333.488,663	16,997	16,531	86	96	1.494	33,906	77,665	2,291	1,825
37	47	95.419	18.721,138	313.867,725	16,765	16,300	87	97	929	20,187	43,760	2,168	1,702
38	48	95.118	17.858,525	295.146,587	16,527	16,061	88	98	550	11,438	23,573	2,061	1,595
39	49	94.786	17.029,770	277.288,062	16,283	15,817	89	99	310	6,175	12,135	1,965	1,500
40	50	94.412	16.232,153	260.258,292	16,034	15,568	90	100	167	3,175	5,960	1,877	1,412
41	51	94.011	15.467,231	244.026,139	15,777	15,311	91	101	85	1,552	2,785	1,794	1,329
42	52	93.572	14.732,032	228.558,908	15,514	15,049	92	102	41	0,717	1,233	1,721	1,255
43	53	93.084	14.024,019	213.826,876	15,247	14,782	93	103	19	0,312	0,516	1,654	1,188
44	54	92.560	13.344,622	199.802,857	14,973	14,507	94	104	8	0,128	0,204	1,593	1,127
45	55	91.991	12.691,416	186.458,234	14,692	14,226	95	105	3	0,049	0,076	1,537	1,071
46	56	91.360	12.061,676	173.766,818	14,407	13,941	96	106					
47	57	90.685	11.456,914	161.705,143	14,114	13,649	97	107					
48	58	89.941	10.873,715	150.248,229	13,818	13,352	98	108					
49	59	89.143	10.313,084	139.374,514	13,514	13,049	99	109					
							100	110					

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -11 Jahre

Zinsfuß 4,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	11	99.480	99.479,797	2.146.212,118	21,574	21,109	50	61	87.806	9.720,936	126.346,119	12,997	12,532
1	12	99.017	94.752,778	2.046.732,321	21,601	21,135	51	62	86.879	9.204,147	116.625,183	12,671	12,205
2	13	98.968	90.628,187	1.951.979,543	21,538	21,073	52	63	85.885	8.707,025	107.421,037	12,337	11,872
3	14	98.939	86.699,676	1.861.351,357	21,469	21,003	53	64	84.800	8.226,874	98.714,012	11,999	11,533
4	15	98.909	82.941,396	1.774.651,681	21,396	20,931	54	65	83.651	7.765,913	90.487,138	11,652	11,186
5	16	98.878	79.344,934	1.691.710,285	21,321	20,855	55	66	82.405	7.320,752	82.721,225	11,300	10,834
6	17	98.844	75.901,691	1.612.365,351	21,243	20,777	56	67	81.047	6.890,094	75.400,473	10,943	10,478
7	18	98.810	72.608,753	1.536.463,660	21,161	20,695	57	68	79.595	6.475,260	68.510,378	10,580	10,115
8	19	98.770	69.453,501	1.463.854,907	21,077	20,611	58	69	78.004	6.072,546	62.035,119	10,216	9,750
9	20	98.731	66.436,356	1.394.401,405	20,989	20,523	59	70	76.275	5.682,237	55.962,573	9,849	9,383
10	21	98.690	63.549,432	1.327.965,049	20,897	20,431	60	71	74.400	5.303,918	50.280,336	9,480	9,014
11	22	98.657	60.792,262	1.264.415,617	20,799	20,333	61	72	72.370	4.937,018	44.976,418	9,110	8,644
12	23	98.616	58.150,261	1.203.623,356	20,699	20,233	62	73	70.212	4.583,520	40.039,400	8,736	8,270
13	24	98.577	55.624,399	1.145.473,095	20,593	20,127	63	74	67.855	4.238,910	35.455,880	8,364	7,899
14	25	98.538	53.207,729	1.089.848,696	20,483	20,017	64	75	65.352	3.906,759	31.216,970	7,991	7,525
15	26	98.495	50.894,567	1.036.640,967	20,368	19,903	65	76	62.653	3.584,124	27.310,211	7,620	7,154
16	27	98.445	48.677,815	985.746,400	20,250	19,785	66	77	59.774	3.272,170	23.726,086	7,251	6,785
17	28	98.378	46.550,229	937.068,585	20,130	19,665	67	78	56.723	2.971,429	20.453,917	6,884	6,418
18	29	98.299	44.509,880	890.518,356	20,007	19,542	68	79	53.450	2.679,437	17.482,488	6,525	6,059
19	30	98.196	42.548,422	846.008,476	19,883	19,418	69	80	49.992	2.398,131	14.803,050	6,173	5,707
20	31	98.085	40.670,080	803.460,054	19,756	19,290	70	81	46.332	2.126,851	12.404,919	5,833	5,367
21	32	97.975	38.875,256	762.789,974	19,621	19,156	71	82	42.501	1.867,004	10.278,068	5,505	5,039
22	33	97.863	37.158,816	723.914,718	19,482	19,016	72	83	38.503	1.618,524	8.411,063	5,197	4,731
23	34	97.751	35.517,668	686.755,902	19,336	18,870	73	84	34.485	1.387,221	6.792,539	4,897	4,431
24	35	97.632	33.947,084	651.238,234	19,184	18,718	74	85	30.484	1.173,458	5.405,318	4,606	4,141
25	36	97.511	32.445,058	617.291,150	19,026	18,560	75	86	26.655	981,893	4.231,860	4,310	3,844
26	37	97.385	31.007,649	584.846,092	18,861	18,396	76	87	22.860	805,821	3.249,967	4,033	3,568
27	38	97.256	29.632,988	553.838,443	18,690	18,224	77	88	19.159	646,289	2.444,147	3,782	3,316
28	39	97.118	28.316,825	524.205,456	18,512	18,047	78	89	15.729	507,715	1.797,858	3,541	3,075
29	40	96.969	27.055,853	495.888,631	18,328	17,863	79	90	12.584	388,715	1.290,143	3,319	2,853
30	41	96.817	25.850,050	468.832,778	18,137	17,671	80	91	9.826	290,450	901,428	3,104	2,638
31	42	96.650	24.694,384	442.982,728	17,939	17,473	81	92	7.391	209,071	610,978	2,922	2,457
32	43	96.465	23.585,772	418.288,344	17,735	17,269	82	93	5.391	145,923	401,907	2,754	2,289
33	44	96.261	22.522,354	394.702,571	17,525	17,059	83	94	3.791	98,190	255,984	2,607	2,141
34	45	96.043	21.503,611	372.180,218	17,308	16,842	84	95	2.577	63,870	157,793	2,471	2,005
35	46	95.799	20.525,360	350.676,607	17,085	16,619	85	96	1.690	40,090	93,924	2,343	1,877
36	47	95.527	19.585,699	330.151,247	16,857	16,391	86	97	1.071	24,316	53,834	2,214	1,748
37	48	95.233	18.684,732	310.565,548	16,621	16,156	87	98	648	14,065	29,518	2,099	1,633
38	49	94.917	17.820,666	291.880,816	16,379	15,913	88	99	372	7,732	15,453	1,998	1,533
39	50	94.558	16.988,784	274.060,150	16,132	15,666	89	100	203	4,045	7,720	1,909	1,443
40	51	94.174	16.191,140	257.071,365	15,877	15,412	90	101	106	2,013	3,675	1,826	1,360
41	52	93.750	15.424,275	240.880,225	15,617	15,151	91	102	52	0,951	1,663	1,748	1,282
42	53	93.289	14.687,494	225.455,950	15,350	14,885	92	103	24	0,424	0,711	1,679	1,213
43	54	92.790	13.979,738	210.768,457	15,077	14,611	93	104	11	0,178	0,288	1,616	1,150
44	55	92.238	13.298,207	196.788,719	14,798	14,333	94	105	4	0,070	0,110	1,558	1,092
45	56	91.642	12.643,355	183.490,512	14,513	14,047	95	106					
46	57	90.993	12.013,251	170.847,157	14,222	13,756	96	107					
47	58	90.280	11.405,781	158.833,906	13,926	13,460	97	108					
48	59	89.508	10.821,351	147.428,125	13,624	13,158	98	109					
49	60	88.690	10.260,655	136.606,774	13,314	12,848	99	110					
							100	111					

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -12 Jahre

Zinsfuß 4,50%

Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	${}^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	${}^{(12)}\ddot{a}_{xy}$
0	12	99.470	99.470,467	2.142.016,733	21,534	21,069	50	62	87.312	9.666,233	123.480,069	12,774	12,309
1	13	99.008	94.744,731	2.042.546,266	21,558	21,093	51	63	86.332	9.146,226	113.813,837	12,444	11,978
2	14	98.959	90.619,406	1.947.801,535	21,494	21,029	52	64	85.301	8.647,801	104.667,611	12,103	11,638
3	15	98.927	86.689,573	1.857.182,130	21,423	20,958	53	65	84.180	8.166,712	96.019,810	11,757	11,292
4	16	98.891	82.926,577	1.770.492,557	21,350	20,885	54	66	82.968	7.702,486	87.853,098	11,406	10,940
5	17	98.857	79.328,131	1.687.565,980	21,273	20,808	55	67	81.658	7.254,451	80.150,612	11,048	10,583
6	18	98.822	75.884,992	1.608.237,849	21,193	20,727	56	68	80.223	6.820,057	72.896,161	10,688	10,223
7	19	98.782	72.587,872	1.532.352,857	21,110	20,645	57	69	78.685	6.401,198	66.076,104	10,322	9,857
8	20	98.742	69.434,248	1.459.764,986	21,024	20,558	58	70	77.009	5.995,071	59.674,905	9,954	9,488
9	21	98.700	66.415,372	1.390.330,738	20,934	20,468	59	71	75.191	5.601,472	53.679,834	9,583	9,118
10	22	98.666	63.533,883	1.323.915,366	20,838	20,372	60	72	73.194	5.217,929	48.078,362	9,214	8,748
11	23	98.630	60.775,803	1.260.381,482	20,738	20,273	61	73	71.065	4.848,008	42.860,433	8,841	8,375
12	24	98.590	58.135,089	1.199.605,680	20,635	20,169	62	74	68.781	4.490,142	38.012,424	8,466	8,000
13	25	98.551	55.609,287	1.141.470,591	20,527	20,061	63	75	66.310	4.142,425	33.522,282	8,092	7,627
14	26	98.514	53.194,636	1.085.861,304	20,413	19,947	64	76	63.658	3.805,467	29.379,857	7,720	7,255
15	27	98.468	50.880,319	1.032.666,668	20,296	19,830	65	77	60.839	3.480,370	25.574,390	7,348	6,883
16	28	98.416	48.663,629	981.786,349	20,175	19,709	66	78	57.829	3.165,718	22.094,020	6,979	6,514
17	29	98.349	46.536,412	933.122,721	20,051	19,586	67	79	54.620	2.861,302	18.928,302	6,615	6,150
18	30	98.270	44.496,852	886.586,308	19,925	19,459	68	80	51.202	2.566,724	16.067,001	6,260	5,794
19	31	98.164	42.534,491	842.089,456	19,798	19,332	69	81	47.556	2.281,308	13.500,277	5,918	5,452
20	32	98.050	40.655,552	799.554,966	19,667	19,201	70	82	43.749	2.008,292	11.218,969	5,586	5,121
21	33	97.940	38.861,433	758.899,414	19,528	19,063	71	83	39.755	1.746,351	9.210,677	5,274	4,809
22	34	97.824	37.143,968	720.037,980	19,385	18,919	72	84	35.744	1.502,544	7.464,326	4,968	4,502
23	35	97.705	35.501,016	682.894,012	19,236	18,770	73	85	31.714	1.275,742	5.961,782	4,673	4,208
24	36	97.582	33.929,705	647.392,996	19,080	18,615	74	86	27.837	1.071,573	4.686,040	4,373	3,907
25	37	97.456	32.426,712	613.463,291	18,918	18,453	75	87	23.968	882,904	3.614,467	4,094	3,628
26	38	97.325	30.988,634	581.036,580	18,750	18,284	76	88	20.165	710,832	2.731,563	3,843	3,377
27	39	97.188	29.612,259	550.047,945	18,575	18,109	77	89	16.639	561,284	2.020,731	3,600	3,135
28	40	97.040	28.294,164	520.435,687	18,394	17,928	78	90	13.397	432,459	1.459,447	3,375	2,909
29	41	96.885	27.032,315	492.141,523	18,206	17,740	79	91	10.527	325,175	1.026,988	3,158	2,693
30	42	96.721	25.824,497	465.109,207	18,010	17,545	80	92	7.985	236,020	701,813	2,974	2,508
31	43	96.542	24.666,611	439.284,710	17,809	17,343	81	93	5.873	166,130	465,793	2,804	2,338
32	44	96.340	23.555,158	414.618,099	17,602	17,136	82	94	4.183	113,238	299,663	2,646	2,181
33	45	96.127	22.491,003	391.062,942	17,388	16,922	83	95	2.869	74,316	186,425	2,509	2,043
34	46	95.891	21.469,506	368.571,939	17,167	16,702	84	96	1.900	47,086	112,109	2,381	1,915
35	47	95.627	20.488,496	347.102,433	16,941	16,476	85	97	1.212	28,751	65,023	2,262	1,796
36	48	95.341	19.547,612	326.613,937	16,709	16,243	86	98	746	16,942	36,271	2,141	1,675
37	49	95.032	18.645,122	307.066,325	16,469	16,003	87	99	438	9,508	19,329	2,033	1,567
38	50	94.688	17.777,777	288.421,203	16,224	15,758	88	100	244	5,065	9,821	1,939	1,473
39	51	94.319	16.945,860	270.643,426	15,971	15,505	89	101	129	2,564	4,756	1,855	1,389
40	52	93.912	16.146,174	253.697,566	15,713	15,247	90	102	65	1,233	2,192	1,777	1,312
41	53	93.467	15.377,644	237.551,393	15,448	14,982	91	103	31	0,562	0,958	1,704	1,238
42	54	92.995	14.641,118	222.173,749	15,175	14,709	92	104	14	0,242	0,396	1,639	1,173
43	55	92.467	13.931,113	207.532,631	14,897	14,431	93	105	6	0,098	0,154	1,579	1,114
44	56	91.889	13.247,848	193.601,518	14,614	14,148	94	106					
45	57	91.274	12.592,596	180.353,670	14,322	13,857	95	107					
46	58	90.587	11.959,635	167.761,074	14,027	13,562	96	108					
47	59	89.845	11.350,855	155.801,439	13,726	13,260	97	109					
48	60	89.053	10.766,338	144.450,584	13,417	12,951	98	110					
49	61	88.202	10.204,178	133.684,247	13,101	12,635	99	111					
							100	112					

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -13 Jahre

Zinsfuß 4,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	13	99.462	99.462,020	2.137.555,742	21,491	21,026	50	63	86.762	9.605,404	120.457,973	12,541	12,075
1	14	98.999	94.735,551	2.038.093,723	21,514	21,048	51	64	85.745	9.084,015	110.852,569	12,203	11,737
2	15	98.947	90.608,846	1.943.358,172	21,448	20,982	52	65	84.677	8.584,561	101.768,554	11,855	11,389
3	16	98.910	86.674,084	1.852.749,326	21,376	20,910	53	66	83.493	8.100,012	93.183,993	11,504	11,039
4	17	98.871	82.909,015	1.766.075,242	21,301	20,836	54	67	82.217	7.632,728	85.083,981	11,147	10,682
5	18	98.836	79.310,677	1.683.166,227	21,222	20,757	55	68	80.828	7.180,710	77.451,253	10,786	10,320
6	19	98.794	75.863,168	1.603.855,550	21,141	20,676	56	69	79.306	6.742,052	70.270,543	10,423	9,957
7	20	98.755	72.567,750	1.527.992,382	21,056	20,590	57	70	77.681	6.319,531	63.528,492	10,053	9,587
8	21	98.711	69.412,317	1.455.424,632	20,968	20,502	58	71	75.914	5.909,860	57.208,961	9,680	9,215
9	22	98.675	66.399,122	1.386.012,315	20,874	20,408	59	72	73.972	5.510,660	51.299,101	9,309	8,843
10	23	98.639	63.516,682	1.319.613,193	20,776	20,310	60	73	71.874	5.123,855	45.788,441	8,936	8,471
11	24	98.604	60.759,946	1.256.096,511	20,673	20,207	61	74	69.617	4.749,243	40.664,586	8,562	8,097
12	25	98.563	58.119,295	1.195.336,565	20,567	20,101	62	75	67.216	4.387,939	35.915,343	8,185	7,719
13	26	98.526	55.595,603	1.137.217,270	20,455	19,990	63	76	64.591	4.035,022	31.527,404	7,813	7,348
14	27	98.486	53.179,744	1.081.621,667	20,339	19,873	64	77	61.815	3.695,305	27.492,382	7,440	6,974
15	28	98.439	50.865,490	1.028.441,923	20,219	19,753	65	78	58.860	3.367,145	23.797,077	7,067	6,602
16	29	98.387	48.649,184	977.576,432	20,094	19,629	66	79	55.686	3.048,390	20.429,933	6,702	6,236
17	30	98.320	46.522,791	928.927,248	19,967	19,502	67	80	52.323	2.740,938	17.381,543	6,341	5,876
18	31	98.238	44.482,283	882.404,458	19,837	19,372	68	81	48.708	2.441,688	14.640,605	5,996	5,530
19	32	98.129	42.519,297	837.922,175	19,707	19,241	69	82	44.905	2.154,139	12.198,918	5,663	5,197
20	33	98.015	40.641,096	795.402,878	19,571	19,106	70	83	40.922	1.878,508	10.044,779	5,347	4,882
21	34	97.901	38.845,905	754.761,782	19,430	18,964	71	84	36.906	1.621,211	8.166,271	5,037	4,572
22	35	97.778	37.126,554	715.915,877	19,283	18,818	72	85	32.871	1.381,797	6.545,060	4,737	4,271
23	36	97.655	35.482,841	678.789,323	19,130	18,664	73	86	28.961	1.164,976	5.163,263	4,432	3,966
24	37	97.527	33.910,519	643.306,481	18,971	18,505	74	87	25.031	963,543	3.998,286	4,150	3,684
25	38	97.397	32.406,827	609.395,963	18,805	18,339	75	88	21.143	778,829	3.034,744	3,897	3,431
26	39	97.257	30.966,957	576.989,135	18,632	18,167	76	89	17.513	617,339	2.255,914	3,654	3,189
27	40	97.110	29.588,561	546.022,178	18,454	17,988	77	90	14.173	478,088	1.638,576	3,427	2,962
28	41	96.956	28.269,549	516.433,617	18,268	17,803	78	91	11.207	361,768	1.160,488	3,208	2,742
29	42	96.789	27.005,594	488.164,068	18,076	17,611	79	92	8.554	264,237	798,719	3,023	2,557
30	43	96.612	25.795,453	461.158,474	17,878	17,412	80	93	6.345	187,544	534,482	2,850	2,384
31	44	96.416	24.634,593	435.363,021	17,673	17,207	81	94	4.558	128,918	346,938	2,691	2,226
32	45	96.206	23.522,369	410.728,428	17,461	16,996	82	95	3.166	85,705	218,020	2,544	2,078
33	46	95.975	22.455,332	387.206,059	17,243	16,778	83	96	2.115	54,788	132,315	2,415	1,949
34	47	95.718	21.430,947	364.750,727	17,020	16,554	84	97	1.362	33,769	77,527	2,296	1,830
35	48	95.441	20.448,653	343.319,780	16,789	16,324	85	98	845	20,032	43,759	2,184	1,719
36	49	95.139	19.506,172	322.871,127	16,552	16,087	86	99	505	11,453	23,726	2,072	1,606
37	50	94.803	18.600,248	303.364,955	16,310	15,844	87	100	287	6,229	12,273	1,970	1,505
38	51	94.449	17.732,859	284.764,706	16,059	15,593	88	101	154	3,211	6,044	1,882	1,417
39	52	94.057	16.898,797	267.031,848	15,802	15,336	89	102	79	1,571	2,833	1,803	1,338
40	53	93.628	16.097,360	250.133,050	15,539	15,073	90	103	38	0,729	1,262	1,731	1,265
41	54	93.172	15.329,088	234.035,690	15,267	14,802	91	104	18	0,321	0,533	1,662	1,196
42	55	92.671	14.590,192	218.706,602	14,990	14,524	92	105	8	0,133	0,212	1,600	1,135
43	56	92.117	13.878,358	204.116,409	14,708	14,242	93	106					
44	57	91.520	13.194,662	190.238,052	14,418	13,952	94	107					
45	58	90.867	12.536,394	177.043,390	14,122	13,657	95	108					
46	59	90.151	11.902,042	164.506,996	13,822	13,356	96	109					
47	60	89.388	11.293,150	152.604,954	13,513	13,047	97	110					
48	61	88.563	10.707,077	141.311,804	13,198	12,732	98	111					
49	62	87.705	10.146,755	130.604,728	12,872	12,406	99	112					
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -14 Jahre

Zinsfuß 4,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	14	99.452	99.452,383	2.132.816,917	21,446	20,980	50	64	86.172	9.540,070	117.280,038	12,293	11,828
1	15	98.987	94.724,512	2.033.364,534	21,466	21,000	51	65	85.118	9.017,585	107.739,969	11,948	11,482
2	16	98.929	90.592,657	1.938.640,022	21,400	20,934	52	66	83.985	8.514,448	98.722,384	11,595	11,129
3	17	98.889	86.655,729	1.848.047,365	21,326	20,861	53	67	82.737	8.026,653	90.207,936	11,239	10,773
4	18	98.849	82.890,773	1.761.391,636	21,250	20,784	54	68	81.381	7.555,141	82.181,283	10,878	10,412
5	19	98.807	79.287,868	1.678.500,863	21,170	20,704	55	69	79.904	7.098,580	74.626,141	10,513	10,047
6	20	98.766	75.842,138	1.599.212,995	21,086	20,620	56	70	78.294	6.656,035	67.527,562	10,145	9,680
7	21	98.723	72.544,829	1.523.370,857	20,999	20,533	57	71	76.577	6.229,708	60.871,526	9,771	9,306
8	22	98.687	69.395,334	1.450.826,028	20,907	20,441	58	72	74.683	5.814,048	54.641,818	9,398	8,933
9	23	98.649	66.381,145	1.381.430,695	20,811	20,345	59	73	72.638	5.411,307	48.827,771	9,023	8,558
10	24	98.614	63.500,110	1.315.049,550	20,709	20,244	60	74	70.410	5.019,470	43.416,463	8,650	8,184
11	25	98.578	60.743,439	1.251.549,439	20,604	20,138	61	75	68.033	4.641,142	38.396,993	8,273	7,808
12	26	98.539	58.104,994	1.190.806,001	20,494	20,028	62	76	65.473	4.274,171	33.755,851	7,898	7,432
13	27	98.499	55.580,039	1.132.701,007	20,380	19,914	63	77	62.721	3.918,215	29.481,681	7,524	7,059
14	28	98.457	53.164,246	1.077.120,968	20,260	19,795	64	78	59.804	3.575,087	25.563,465	7,150	6,685
15	29	98.410	50.850,392	1.023.956,722	20,137	19,671	65	79	56.679	3.242,351	21.988,378	6,782	6,316
16	30	98.358	48.634,944	973.106,330	20,008	19,543	66	80	53.343	2.920,156	18.746,027	6,420	5,954
17	31	98.288	46.507,558	924.471,386	19,878	19,412	67	81	49.774	2.607,415	15.825,871	6,070	5,604
18	32	98.203	44.466,393	877.963,827	19,744	19,279	68	82	45.993	2.305,578	13.218,457	5,733	5,268
19	33	98.094	42.504,178	833.497,434	19,610	19,144	69	83	42.003	2.014,929	10.912,878	5,416	4,950
20	34	97.976	40.624,857	790.993,256	19,471	19,005	70	84	37.989	1.743,898	8.897,949	5,102	4,637
21	35	97.855	38.827,693	750.368,399	19,326	18,860	71	85	33.940	1.490,928	7.154,051	4,798	4,333
22	36	97.728	37.107,547	711.540,706	19,175	18,709	72	86	30.017	1.261,823	5.663,123	4,488	4,022
23	37	97.599	35.462,777	674.433,159	19,018	18,552	73	87	26.041	1.047,530	4.401,300	4,202	3,736
24	38	97.467	33.889,724	638.970,382	18,854	18,389	74	88	22.080	849,962	3.353,770	3,946	3,480
25	39	97.328	32.384,158	605.080,657	18,684	18,219	75	89	18.362	676,392	2.503,807	3,702	3,236
26	40	97.179	30.942,176	572.696,499	18,509	18,043	76	90	14.917	525,834	1.827,415	3,475	3,010
27	41	97.025	29.562,820	541.754,324	18,326	17,860	77	91	11.856	399,939	1.301,581	3,254	2,789
28	42	96.860	28.241,604	512.191,504	18,136	17,670	78	92	9.107	293,973	901,642	3,067	2,601
29	43	96.680	26.975,222	483.949,899	17,941	17,475	79	93	6.797	209,966	607,670	2,894	2,429
30	44	96.487	25.761,970	456.974,678	17,738	17,273	80	94	4.923	145,536	397,704	2,733	2,267
31	45	96.282	24.600,301	431.212,707	17,529	17,063	81	95	3.449	97,573	252,168	2,584	2,119
32	46	96.053	23.485,062	406.612,406	17,314	16,848	82	96	2.334	63,184	154,595	2,447	1,981
33	47	95.802	22.415,002	383.127,344	17,092	16,627	83	97	1.517	39,292	91,412	2,326	1,861
34	48	95.532	21.389,272	360.712,341	16,864	16,399	84	98	949	23,528	52,120	2,215	1,750
35	49	95.239	20.405,304	339.323,070	16,629	16,164	85	99	571	13,542	28,592	2,111	1,646
36	50	94.910	19.459,226	318.917,766	16,389	15,923	86	100	331	7,503	15,049	2,006	1,540
37	51	94.563	18.553,252	299.458,540	16,140	15,675	87	101	182	3,949	7,546	1,911	1,446
38	52	94.187	17.683,610	280.905,288	15,885	15,419	88	102	95	1,967	3,598	1,829	1,363
39	53	93.773	16.847,709	263.221,677	15,624	15,158	89	103	47	0,929	1,630	1,755	1,289
40	54	93.332	16.046,532	246.373,969	15,354	14,888	90	104	22	0,416	0,701	1,686	1,221
41	55	92.848	15.275,770	230.327,436	15,078	14,612	91	105	10	0,176	0,285	1,622	1,156
42	56	92.320	14.534,941	215.051,666	14,795	14,330	92	106					
43	57	91.747	13.822,640	200.516,725	14,506	14,041	93	107					
44	58	91.111	13.135,773	186.694,085	14,213	13,747	94	108					
45	59	90.429	12.476,023	173.558,312	13,911	13,446	95	109					
46	60	89.693	11.841,535	161.082,289	13,603	13,138	96	110					
47	61	88.896	11.230,989	149.240,754	13,288	12,823	97	111					
48	62	88.065	10.646,824	138.009,765	12,963	12,497	98	112					
49	63	87.153	10.082,903	127.362,941	12,632	12,166	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -15 Jahre

Zinsfuß 4,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	15	99.441	99.440,794	2.127.789,892	21,398	20,932	50	65	85.542	9.470,305	113.945,061	12,032	11,566
1	16	98.969	94.707,588	2.028.349,098	21,417	20,951	51	66	84.423	8.943,935	104.474,756	11,681	11,215
2	17	98.908	90.573,472	1.933.641,510	21,349	20,883	52	67	83.225	8.437,336	95.530,821	11,322	10,857
3	18	98.867	86.636,663	1.843.068,038	21,274	20,808	53	68	81.896	7.945,062	87.093,485	10,962	10,496
4	19	98.820	82.866,935	1.756.431,375	21,196	20,730	54	69	80.450	7.468,729	79.148,423	10,597	10,132
5	20	98.780	79.265,889	1.673.564,441	21,113	20,648	55	70	78.884	7.008,015	71.679,694	10,228	9,763
6	21	98.735	75.818,183	1.594.298,552	21,028	20,562	56	71	77.181	6.561,430	64.671,679	9,856	9,391
7	22	98.699	72.527,079	1.518.480,369	20,937	20,471	57	72	75.335	6.128,710	58.110,249	9,482	9,016
8	23	98.660	69.376,546	1.445.953,290	20,842	20,376	58	73	73.337	5.709,225	51.981,539	9,105	8,639
9	24	98.623	66.363,826	1.376.576,744	20,743	20,277	59	74	71.158	5.301,066	46.272,314	8,729	8,263
10	25	98.587	63.482,859	1.310.212,919	20,639	20,173	60	75	68.807	4.905,218	40.971,247	8,353	7,887
11	26	98.553	60.728,492	1.246.730,060	20,530	20,064	61	76	66.269	4.520,809	36.066,029	7,978	7,512
12	27	98.512	58.088,727	1.186.001,568	20,417	19,951	62	77	63.578	4.150,440	31.545,220	7,600	7,135
13	28	98.470	55.563,841	1.127.912,841	20,299	19,834	63	78	60.681	3.790,746	27.394,780	7,227	6,761
14	29	98.428	53.148,465	1.072.349,000	20,176	19,711	64	79	57.587	3.442,587	23.604,034	6,856	6,391
15	30	98.381	50.835,508	1.019.200,535	20,049	19,583	65	80	54.294	3.105,958	20.161,447	6,491	6,026
16	31	98.326	48.619,020	968.365,027	19,917	19,452	66	81	50.745	2.777,902	17.055,489	6,140	5,674
17	32	98.253	46.490,945	919.746,007	19,783	19,318	67	82	46.999	2.462,067	14.277,587	5,799	5,333
18	33	98.168	44.450,582	873.255,061	19,646	19,180	68	83	43.020	2.156,582	11.815,520	5,479	5,013
19	34	98.055	42.487,195	828.804,479	19,507	19,042	69	84	38.993	1.870,544	9.658,938	5,164	4,698
20	35	97.930	40.605,811	786.317,285	19,365	18,899	70	85	34.936	1.603,756	7.788,394	4,856	4,391
21	36	97.805	38.807,815	745.711,474	19,215	18,750	71	86	30.993	1.361,479	6.184,638	4,543	4,077
22	37	97.673	37.086,564	706.903,658	19,061	18,595	72	87	26.991	1.134,613	4.823,159	4,251	3,785
23	38	97.540	35.441,031	669.817,094	18,899	18,434	73	88	22.971	924,050	3.688,546	3,992	3,526
24	39	97.399	33.866,018	634.376,063	18,732	18,266	74	89	19.176	738,169	2.764,497	3,745	3,279
25	40	97.251	32.358,242	600.510,045	18,558	18,093	75	90	15.640	576,134	2.026,327	3,517	3,051
26	41	97.095	30.915,256	568.151,803	18,378	17,912	76	91	12.479	439,880	1.450,193	3,297	2,831
27	42	96.930	29.533,597	537.236,547	18,191	17,725	77	92	9.634	324,990	1.010,313	3,109	2,643
28	43	96.751	28.209,842	507.702,949	17,997	17,532	78	93	7.237	233,594	685,323	2,934	2,468
29	44	96.555	26.940,207	479.493,107	17,798	17,333	79	94	5.275	162,935	451,729	2,772	2,307
30	45	96.352	25.726,110	452.552,900	17,591	17,126	80	95	3.726	110,150	288,794	2,622	2,156
31	46	96.129	24.561,285	426.826,790	17,378	16,912	81	96	2.543	71,933	178,644	2,483	2,018
32	47	95.881	23.442,883	402.265,505	17,159	16,694	82	97	1.674	45,313	106,711	2,355	1,889
33	48	95.616	22.371,413	378.822,622	16,933	16,468	83	98	1.057	27,376	61,397	2,243	1,777
34	49	95.330	21.343,928	356.451,209	16,700	16,235	84	99	642	15,906	34,021	2,139	1,673
35	50	95.009	20.356,194	335.107,281	16,462	15,997	85	100	374	8,871	18,115	2,042	1,576
36	51	94.670	19.410,060	314.751,087	16,216	15,750	86	101	210	4,756	9,244	1,944	1,478
37	52	94.301	18.501,726	295.341,028	15,963	15,497	87	102	111	2,419	4,488	1,855	1,389
38	53	93.902	17.630,149	276.839,302	15,703	15,237	88	103	56	1,164	2,069	1,778	1,312
39	54	93.477	16.794,511	259.209,153	15,434	14,969	89	104	27	0,530	0,905	1,708	1,243
40	55	93.008	15.990,719	242.414,642	15,160	14,694	90	105	12	0,228	0,375	1,644	1,179
41	56	92.496	15.217,923	226.423,923	14,879	14,413	91	106					
42	57	91.950	14.476,587	211.206,000	14,589	14,124	92	107					
43	58	91.337	13.760,948	196.729,413	14,296	13,831	93	108					
44	59	90.673	13.072,516	182.968,464	13,996	13,531	94	109					
45	60	89.970	12.412,598	169.895,948	13,687	13,222	95	110					
46	61	89.199	11.776,356	157.483,351	13,373	12,907	96	111					
47	62	88.396	11.167,788	145.706,995	13,047	12,581	97	112					
48	63	87.511	10.579,825	134.539,206	12,717	12,251	98						
49	64	86.560	10.014,320	123.959,381	12,378	11,913	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -16 Jahre

Zinsfuß 4,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	16	99.423	99.423,027	2.122.464,845	21,348	20,882	50	66	84.843	9.392,957	110.451,946	11,759	11,293
1	17	98.948	94.687,531	2.023.041,818	21,365	20,900	51	67	83.658	8.862,933	101.058,989	11,402	10,937
2	18	98.887	90.553,544	1.928.354,287	21,295	20,830	52	68	82.379	8.351,571	92.196,056	11,039	10,574
3	19	98.838	86.611,747	1.837.800,743	21,219	20,753	53	69	80.959	7.854,190	83.844,485	10,675	10,210
4	20	98.793	82.843,963	1.751.188,996	21,138	20,673	54	70	79.424	7.373,442	75.990,295	10,306	9,840
5	21	98.749	79.240,852	1.668.345,033	21,054	20,588	55	71	77.763	6.908,406	68.616,853	9,932	9,467
6	22	98.711	75.799,632	1.589.104,181	20,965	20,499	56	72	75.930	6.455,054	61.708,447	9,560	9,094
7	23	98.673	72.507,443	1.513.304,548	20,871	20,405	57	73	73.977	6.018,215	55.253,393	9,181	8,715
8	24	98.635	69.358,445	1.440.797,105	20,773	20,308	58	74	71.843	5.592,915	49.235,178	8,803	8,338
9	25	98.596	66.345,796	1.371.438,660	20,671	20,205	59	75	69.538	5.180,405	43.642,263	8,424	7,959
10	26	98.563	63.467,238	1.305.092,864	20,563	20,098	60	76	67.023	4.778,038	38.461,858	8,050	7,584
11	27	98.526	60.711,490	1.241.625,627	20,451	19,986	61	77	64.351	4.389,939	33.683,820	7,673	7,207
12	28	98.483	58.071,798	1.180.914,136	20,335	19,870	62	78	61.509	4.015,416	29.293,881	7,295	6,830
13	29	98.441	55.547,349	1.122.842,339	20,214	19,749	63	79	58.432	3.650,253	25.278,465	6,925	6,460
14	30	98.399	53.132,908	1.067.294,990	20,087	19,622	64	80	55.165	3.297,771	21.628,212	6,558	6,093
15	31	98.349	50.818,864	1.014.162,082	19,956	19,491	65	81	51.649	2.954,653	18.330,442	6,204	5,738
16	32	98.291	48.601,653	963.343,218	19,821	19,356	66	82	47.916	2.623,051	15.375,789	5,862	5,396
17	33	98.218	46.474,414	914.741,565	19,683	19,217	67	83	43.962	2.302,958	12.752,737	5,538	5,072
18	34	98.129	44.432,821	868.267,151	19,541	19,076	68	84	39.938	2.002,046	10.449,779	5,220	4,754
19	35	98.009	42.467,276	823.834,330	19,399	18,934	69	85	35.860	1.720,224	8.447,733	4,911	4,445
20	36	97.879	40.585,022	781.367,054	19,253	18,787	70	86	31.903	1.464,510	6.727,509	4,594	4,128
21	37	97.750	38.785,871	740.782,032	19,099	18,634	71	87	27.869	1.224,222	5.262,999	4,299	3,833
22	38	97.613	37.063,822	701.996,160	18,940	18,475	72	88	23.809	1.000,867	4.038,777	4,035	3,570
23	39	97.471	35.416,239	664.932,338	18,775	18,309	73	89	19.950	802,512	3.037,909	3,785	3,320
24	40	97.321	33.838,916	629.516,099	18,603	18,138	74	90	16.334	628,754	2.235,397	3,555	3,090
25	41	97.166	32.330,091	595.677,183	18,425	17,959	75	91	13.084	481,958	1.606,643	3,334	2,868
26	42	96.999	30.884,697	563.347,092	18,240	17,775	76	92	10.140	357,446	1.124,685	3,146	2,681
27	43	96.821	29.500,382	532.462,394	18,049	17,584	77	93	7.656	258,241	767,238	2,971	2,505
28	44	96.626	28.173,225	502.962,013	17,852	17,387	78	94	5.616	181,271	508,997	2,808	2,342
29	45	96.420	26.902,706	474.788,788	17,648	17,183	79	95	3.992	123,319	327,727	2,658	2,192
30	46	96.200	25.685,308	447.886,081	17,437	16,972	80	96	2.747	81,205	204,408	2,517	2,052
31	47	95.957	24.517,174	422.200,774	17,221	16,755	81	97	1.824	51,588	123,202	2,388	1,923
32	48	95.694	23.397,295	397.683,600	16,997	16,531	82	98	1.166	31,572	71,614	2,268	1,803
33	49	95.413	22.323,987	374.286,305	16,766	16,300	83	99	714	18,507	40,043	2,164	1,698
34	50	95.100	21.292,559	351.962,318	16,530	16,064	84	100	420	10,419	21,536	2,067	1,601
35	51	94.769	20.304,761	330.669,759	16,285	15,820	85	101	237	5,624	11,116	1,977	1,511
36	52	94.407	19.356,153	310.364,998	16,034	15,569	86	102	128	2,914	5,492	1,885	1,419
37	53	94.016	18.445,791	291.008,845	15,776	15,311	87	103	66	1,431	2,578	1,802	1,336
38	54	93.606	17.574,481	272.563,053	15,509	15,043	88	104	32	0,663	1,147	1,729	1,264
39	55	93.151	16.736,096	254.988,572	15,236	14,770	89	105	15	0,291	0,484	1,664	1,199
40	56	92.656	15.930,164	238.252,476	14,956	14,490	90	106					
41	57	92.125	15.156,827	222.322,312	14,668	14,203	91	107					
42	58	91.539	14.411,977	207.165,485	14,375	13,909	92	108					
43	59	90.898	13.694,681	192.753,508	14,075	13,609	93	109					
44	60	90.212	13.006,058	179.058,827	13,767	13,302	94	110					
45	61	89.474	12.344,276	166.052,769	13,452	12,986	95	111					
46	62	88.697	11.710,086	153.708,493	13,126	12,661	96	112					
47	63	87.840	11.097,511	141.998,407	12,796	12,330	97						
48	64	86.915	10.507,863	130.900,896	12,457	11,992	98						
49	65	85.927	9.941,087	120.393,034	12,111	11,645	99						
							100						

Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004

Altersdifferenz zwischen Mann und Frau (x - y) = -17 Jahre

Zinsfuß 4,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	17	99.402	99.401,972	2.116.836,148	21,296	20,830	50	67	84.075	9.307,889	106.803,076	11,474	11,009
1	18	98.927	94.666,698	2.017.434,177	21,311	20,845	51	68	82.808	8.772,842	97.495,187	11,113	10,648
2	19	98.858	90.527,501	1.922.767,479	21,240	20,774	52	69	81.437	8.256,049	88.722,345	10,746	10,281
3	20	98.811	86.587,738	1.832.239,978	21,161	20,695	53	70	79.926	7.753,985	80.466,296	10,377	9,912
4	21	98.762	82.817,797	1.745.652,240	21,078	20,613	54	71	78.295	7.268,639	72.712,311	10,004	9,538
5	22	98.724	79.221,464	1.662.834,443	20,990	20,524	55	72	76.502	6.796,405	65.443,672	9,629	9,164
6	23	98.684	75.779,110	1.583.612,979	20,898	20,432	56	73	74.561	6.338,675	58.647,267	9,252	8,787
7	24	98.647	72.488,526	1.507.833,869	20,801	20,335	57	74	72.470	5.895,610	52.308,592	8,872	8,407
8	25	98.608	69.339,602	1.435.345,343	20,700	20,235	58	75	70.208	5.465,611	46.412,982	8,492	8,026
9	26	98.572	66.329,471	1.366.005,742	20,594	20,129	59	76	67.735	5.046,090	40.947,371	8,115	7,649
10	27	98.535	63.449,469	1.299.676,271	20,484	20,018	60	77	65.083	4.639,722	35.901,281	7,738	7,272
11	28	98.497	60.693,797	1.236.226,801	20,368	19,903	61	78	62.257	4.247,123	31.261,560	7,361	6,895
12	29	98.454	58.054,561	1.175.533,004	20,249	19,783	62	79	59.230	3.866,596	27.014,437	6,987	6,521
13	30	98.412	55.531,089	1.117.478,444	20,123	19,658	63	80	55.974	3.496,701	23.147,840	6,620	6,154
14	31	98.367	53.115,512	1.061.947,354	19,993	19,528	64	81	52.478	3.137,122	19.651,139	6,264	5,798
15	32	98.314	50.800,711	1.008.831,842	19,859	19,393	65	82	48.770	2.789,949	16.514,018	5,919	5,453
16	33	98.256	48.584,371	958.031,132	19,719	19,253	66	83	44.820	2.453,539	13.724,068	5,594	5,128
17	34	98.179	46.445,844	909.446,760	19,577	19,111	67	84	40.812	2.137,933	11.270,530	5,272	4,806
18	35	98.083	44.411,990	862.990,916	19,431	18,966	68	85	36.728	1.841,159	9.132,597	4,960	4,495
19	36	97.958	42.445,534	818.578,926	19,285	18,820	69	86	32.746	1.570,866	7.291,438	4,642	4,176
20	37	97.824	40.562,073	776.133,392	19,134	18,669	70	87	28.687	1.316,867	5.720,572	4,344	3,878
21	38	97.690	38.762,087	735.571,319	18,977	18,511	71	88	24.584	1.079,914	4.403,705	4,078	3,612
22	39	97.545	37.037,895	696.809,232	18,813	18,348	72	89	20.678	869,226	3.323,792	3,824	3,358
23	40	97.393	35.387,897	659.771,336	18,644	18,178	73	90	16.993	683,560	2.454,565	3,591	3,125
24	41	97.237	33.809,477	624.383,439	18,468	18,002	74	91	13.664	525,977	1.771,005	3,367	2,901
25	42	97.070	32.298,133	590.573,962	18,285	17,819	75	92	10.632	391,639	1.245,028	3,179	2,713
26	43	96.890	30.849,962	558.275,829	18,096	17,631	76	93	8.058	284,031	853,389	3,005	2,539
27	44	96.695	29.462,090	527.425,867	17,902	17,436	77	94	5.941	200,397	569,359	2,841	2,376
28	45	96.491	28.134,008	497.963,777	17,700	17,234	78	95	4.250	137,197	368,962	2,689	2,224
29	46	96.267	26.860,038	469.829,769	17,492	17,026	79	96	2.943	90,914	231,765	2,549	2,084
30	47	96.027	25.639,177	442.969,731	17,277	16,811	80	97	1.970	58,237	140,851	2,419	1,953
31	48	95.770	24.469,496	417.330,554	17,055	16,590	81	98	1.271	35,944	82,614	2,298	1,833
32	49	95.492	23.347,694	392.861,057	16,827	16,361	82	99	788	21,343	46,670	2,187	1,721
33	50	95.184	22.270,260	369.513,363	16,592	16,127	83	100	468	12,124	25,327	2,089	1,623
34	51	94.860	21.238,760	347.243,104	16,349	15,884	84	101	266	6,605	13,203	1,999	1,533
35	52	94.506	20.248,370	326.004,343	16,100	15,635	85	102	145	3,446	6,598	1,915	1,449
36	53	94.122	19.297,636	305.755,973	15,844	15,379	86	103	76	1,723	3,152	1,829	1,363
37	54	93.719	18.387,548	286.458,338	15,579	15,113	87	104	38	0,816	1,429	1,751	1,286
38	55	93.280	17.513,353	268.070,790	15,307	14,841	88	105	18	0,364	0,613	1,683	1,218
39	56	92.799	16.672,719	250.557,437	15,028	14,562	89						
40	57	92.284	15.866,209	233.884,718	14,741	14,275	90						
41	58	91.714	15.089,181	218.018,509	14,449	13,983	91						
42	59	91.099	14.342,574	202.929,328	14,149	13,683	92						
43	60	90.435	13.625,060	188.586,754	13,841	13,376	93						
44	61	89.715	12.934,469	174.961,694	13,527	13,061	94						
45	62	88.971	12.274,810	162.027,225	13,200	12,734	95						
46	63	88.139	11.636,396	149.752,414	12,869	12,404	96						
47	64	87.242	11.022,027	138.116,019	12,531	12,065	97						
48	65	86.280	10.431,021	127.093,991	12,184	11,719	98						
49	66	85.226	9.859,895	116.662,971	11,832	11,366	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -18 Jahre

Zinsfuß 4,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	18	99.380	99.380,101	2.110.895,089	21,241	20,775	50	68	83.220	9.213,274	103.001,288	11,180	10,714
1	19	98.898	94.639,472	2.011.514,988	21,255	20,789	51	69	81.861	8.672,502	93.788,013	10,814	10,349
2	20	98.831	90.502,407	1.916.875,515	21,180	20,715	52	70	80.398	8.150,717	85.115,512	10,443	9,977
3	21	98.780	86.560,388	1.826.373,108	21,099	20,634	53	71	78.790	7.643,773	76.964,795	10,069	9,603
4	22	98.738	82.797,534	1.739.812,720	21,013	20,547	54	72	77.025	7.150,798	69.321,021	9,694	9,229
5	23	98.698	79.200,016	1.657.015,187	20,922	20,456	55	73	75.123	6.673,872	62.170,224	9,315	8,850
6	24	98.658	75.759,339	1.577.815,171	20,827	20,361	56	74	73.042	6.209,541	55.496,352	8,937	8,472
7	25	98.620	72.468,832	1.502.055,832	20,727	20,261	57	75	70.820	5.761,416	49.286,810	8,555	8,089
8	26	98.584	69.322,539	1.429.587,000	20,622	20,157	58	76	68.387	5.323,901	43.525,395	8,175	7,710
9	27	98.544	66.310,901	1.360.264,460	20,513	20,048	59	77	65.775	4.900,014	38.201,494	7,796	7,331
10	28	98.506	63.430,978	1.293.953,559	20,399	19,934	60	78	62.966	4.488,780	33.301,480	7,419	6,953
11	29	98.468	60.675,782	1.230.522,581	20,280	19,815	61	79	59.950	4.089,716	28.812,700	7,045	6,580
12	30	98.425	58.037,568	1.169.846,799	20,157	19,691	62	80	56.738	3.703,944	24.722,984	6,675	6,209
13	31	98.380	55.512,908	1.111.809,231	20,028	19,562	63	81	53.247	3.326,361	21.019,041	6,319	5,853
14	32	98.332	53.096,538	1.056.296,324	19,894	19,428	64	82	49.552	2.962,246	17.692,679	5,973	5,507
15	33	98.279	50.782,647	1.003.199,785	19,755	19,289	65	83	45.619	2.609,651	14.730,433	5,645	5,179
16	34	98.216	48.564,958	952.417,138	19,611	19,146	66	84	41.608	2.277,723	12.120,782	5,321	4,856
17	35	98.133	46.434,065	903.852,180	19,465	19,000	67	85	37.532	1.966,125	9.843,058	5,006	4,541
18	36	98.033	44.389,253	857.418,115	19,316	18,850	68	86	33.539	1.681,301	7.876,933	4,685	4,219
19	37	97.903	42.421,533	813.028,862	19,165	18,700	69	87	29.445	1.412,500	6.195,632	4,386	3,921
20	38	97.764	40.537,200	770.607,329	19,010	18,544	70	88	25.305	1.161,637	4.783,132	4,118	3,652
21	39	97.621	38.734,972	730.070,129	18,848	18,382	71	89	21.350	937,876	3.621,495	3,861	3,396
22	40	97.467	37.008,255	691.335,157	18,681	18,215	72	90	17.613	740,385	2.683,619	3,625	3,159
23	41	97.309	35.357,110	654.326,902	18,506	18,041	73	91	14.215	571,824	1.943,233	3,398	2,933
24	42	97.140	33.776,057	618.969,791	18,326	17,860	74	92	11.103	427,409	1.371,410	3,209	2,743
25	43	96.961	32.261,809	585.193,735	18,139	17,673	75	93	8.448	311,200	944,001	3,033	2,568
26	44	96.764	30.809,918	552.931,926	17,947	17,481	76	94	6.253	220,410	632,800	2,871	2,405
27	45	96.560	29.421,078	522.122,008	17,747	17,281	77	95	4.496	151,672	412,390	2,719	2,253
28	46	96.338	28.089,387	492.700,930	17,540	17,075	78	96	3.133	101,145	260,717	2,578	2,112
29	47	96.094	26.811,798	464.611,543	17,329	16,863	79	97	2.111	65,200	159,573	2,447	1,982
30	48	95.840	25.589,318	437.799,744	17,109	16,643	80	98	1.373	40,577	94,373	2,326	1,860
31	49	95.567	24.417,623	412.210,426	16,882	16,416	81	99	859	24,299	53,796	2,214	1,748
32	50	95.262	23.291,503	387.792,804	16,650	16,184	82	100	517	13,982	29,497	2,110	1,644
33	51	94.943	22.213,991	364.501,301	16,409	15,943	83	101	297	7,686	15,516	2,019	1,553
34	52	94.597	21.179,775	342.287,310	16,161	15,695	84	102	163	4,047	7,830	1,935	1,469
35	53	94.220	20.187,155	321.107,535	15,907	15,441	85	103	86	2,038	3,783	1,856	1,391
36	54	93.825	19.236,703	300.920,380	15,643	15,177	86	104	43	0,983	1,745	1,776	1,310
37	55	93.393	18.323,591	281.683,677	15,373	14,907	87	105	21	0,448	0,763	1,703	1,238
38	56	92.927	17.447,032	263.360,086	15,095	14,629	88	106					
39	57	92.426	16.605,782	245.913,053	14,809	14,343	89	107					
40	58	91.872	15.795,397	229.307,271	14,517	14,052	90	108					
41	59	91.272	15.016,517	213.511,874	14,218	13,753	91	109					
42	60	90.635	14.269,660	198.495,357	13,910	13,445	92	110					
43	61	89.938	13.550,064	184.225,697	13,596	13,130	93	111					
44	62	89.210	12.861,683	170.675,633	13,270	12,804	94	112					
45	63	88.411	12.197,566	157.813,951	12,938	12,473	95						
46	64	87.539	11.557,247	145.616,384	12,600	12,134	96						
47	65	86.604	10.941,425	134.059,138	12,252	11,787	97						
48	66	85.575	10.345,827	123.117,712	11,900	11,435	98						
49	67	84.454	9.770,598	112.771,886	11,542	11,076	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -19 Jahre

Zinsfuß 4,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	19	99.352	99.351,520	2.104.630,103	21,184	20,718	50	69	82.268	9.107,897	99.051,641	10,875	10,410
1	20	98.871	94.613,238	2.005.278,582	21,194	20,729	51	70	80.816	8.561,856	89.943,744	10,505	10,040
2	21	98.800	90.473,821	1.910.665,344	21,118	20,653	52	71	79.255	8.034,866	81.381,887	10,129	9,663
3	22	98.756	86.539,209	1.820.191,524	21,033	20,568	53	72	77.513	7.519,850	73.347,021	9,754	9,288
4	23	98.711	82.775,117	1.733.652,314	20,944	20,479	54	73	75.637	7.021,875	65.827,171	9,375	8,909
5	24	98.672	79.179,352	1.650.877,197	20,850	20,384	55	74	73.593	6.537,910	58.805,295	8,995	8,529
6	25	98.632	75.738,757	1.571.697,845	20,752	20,286	56	75	71.379	6.068,201	52.267,386	8,613	8,148
7	26	98.596	72.451,000	1.495.959,088	20,648	20,182	57	76	68.984	5.612,036	46.199,184	8,232	7,767
8	27	98.556	69.303,132	1.423.508,089	20,540	20,075	58	77	66.408	5.169,783	40.587,148	7,851	7,385
9	28	98.516	66.291,576	1.354.204,957	20,428	19,962	59	78	63.635	4.740,604	35.417,365	7,471	7,005
10	29	98.477	63.412,151	1.287.913,381	20,310	19,845	60	79	60.632	4.322,416	30.676,761	7,097	6,632
11	30	98.439	60.658,022	1.224.501,230	20,187	19,721	61	80	57.428	3.917,677	26.354,345	6,727	6,261
12	31	98.393	58.018,565	1.163.843,208	20,060	19,594	62	81	53.974	3.523,508	22.436,668	6,368	5,902
13	32	98.345	55.493,078	1.105.824,643	19,927	19,462	63	82	50.279	3.140,937	18.913,159	6,022	5,556
14	33	98.297	53.077,659	1.050.331,565	19,789	19,323	64	83	46.350	2.770,814	15.772,222	5,692	5,227
15	34	98.239	50.762,356	997.253,907	19,646	19,180	65	84	42.350	2.422,649	13.001,409	5,367	4,901
16	35	98.170	48.542,190	946.491,551	19,498	19,033	66	85	38.264	2.094,682	10.578,760	5,050	4,585
17	36	98.082	46.410,293	897.949,361	19,348	18,882	67	86	34.273	1.795,417	8.484,078	4,725	4,260
18	37	97.977	44.364,152	851.539,068	19,194	18,729	68	87	30.158	1.511,801	6.688,660	4,424	3,959
19	38	97.843	42.395,519	807.174,916	19,039	18,574	69	88	25.974	1.245,998	5.176,859	4,155	3,689
20	39	97.696	40.508,843	764.779,396	18,879	18,414	70	89	21.977	1.008,851	3.930,861	3,896	3,431
21	40	97.543	38.703,974	724.270,553	18,713	18,247	71	90	18.186	798,859	2.922,010	3,658	3,192
22	41	97.382	36.976,059	685.566,579	18,541	18,075	72	91	14.734	619,361	2.123,151	3,428	2,962
23	42	97.212	35.322,160	648.590,520	18,362	17,897	73	92	11.551	464,664	1.503,790	3,236	2,771
24	43	97.031	33.738,070	613.268,359	18,177	17,712	74	93	8.823	339,623	1.039,126	3,060	2,594
25	44	96.835	32.219,932	579.530,290	17,987	17,521	75	94	6.556	241,494	699,503	2,897	2,431
26	45	96.629	30.767,030	547.310,358	17,789	17,323	76	95	4.732	166,820	458,008	2,746	2,280
27	46	96.407	29.374,416	516.543,327	17,585	17,119	77	96	3.315	111,816	291,189	2,604	2,139
28	47	96.165	28.038,939	487.168,911	17,375	16,909	78	97	2.247	72,537	179,372	2,473	2,007
29	48	95.908	26.759,659	459.129,972	17,158	16,692	79	98	1.471	45,428	106,835	2,352	1,886
30	49	95.637	25.535,071	432.370,313	16,932	16,467	80	99	928	27,431	61,407	2,239	1,773
31	50	95.337	24.358,856	406.835,243	16,702	16,236	81	100	563	15,918	33,976	2,135	1,669
32	51	95.021	23.232,654	382.476,387	16,463	15,997	82	101	327	8,864	18,059	2,037	1,572
33	52	94.680	22.152,297	359.243,733	16,217	15,751	83	102	182	4,709	9,195	1,953	1,487
34	53	94.311	21.115,744	337.091,435	15,964	15,498	84	103	97	2,393	4,486	1,874	1,409
35	54	93.923	20.123,413	315.975,691	15,702	15,236	85	104	49	1,162	2,093	1,801	1,336
36	55	93.498	19.169,793	295.852,278	15,433	14,968	86	105	24	0,539	0,931	1,726	1,260
37	56	93.039	18.254,203	276.682,485	15,157	14,692	87	106					
38	57	92.554	17.376,987	258.428,283	14,872	14,406	88	107					
39	58	92.014	16.531,669	241.051,295	14,581	14,116	89	108					
40	59	91.429	15.719,332	224.519,626	14,283	13,817	90	109					
41	60	90.808	14.940,176	208.800,294	13,976	13,510	91	110					
42	61	90.137	14.191,116	193.860,118	13,661	13,195	92	111					
43	62	89.432	13.473,813	179.669,002	13,335	12,869	93	112					
44	63	88.649	12.780,745	166.195,188	13,004	12,538	94						
45	64	87.810	12.114,600	153.414,443	12,664	12,198	95						
46	65	86.899	11.472,731	141.299,843	12,316	11,851	96						
47	66	85.897	10.852,062	129.827,112	11,963	11,498	97						
48	67	84.800	10.252,129	118.975,049	11,605	11,139	98						
49	68	83.595	9.671,280	108.722,921	11,242	10,776	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -20 Jahre

Zinsfuß 4,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	20	99.324	99.323,980	2.098.035,421	21,123	20,658	50	70	81.219	8.991,697	94.960,851	10,561	10,095
1	21	98.840	94.583,354	1.998.711,442	21,132	20,666	51	71	79.668	8.440,162	85.969,154	10,186	9,720
2	22	98.776	90.451,685	1.904.128,088	21,051	20,586	52	72	77.970	7.904,603	77.528,991	9,808	9,342
3	23	98.729	86.515,780	1.813.676,403	20,964	20,498	53	73	76.115	7.384,274	69.624,388	9,429	8,963
4	24	98.685	82.753,520	1.727.160,624	20,871	20,406	54	74	74.096	6.878,823	62.240,114	9,048	8,582
5	25	98.645	79.157,841	1.644.407,103	20,774	20,308	55	75	71.918	6.389,096	55.361,291	8,665	8,199
6	26	98.607	75.720,120	1.565.249,263	20,672	20,206	56	76	69.529	5.910,868	48.972,196	8,285	7,819
7	27	98.568	72.430,717	1.489.529,142	20,565	20,099	57	77	66.987	5.449,577	43.061,328	7,902	7,436
8	28	98.527	69.282,935	1.417.098,426	20,454	19,988	58	78	64.247	5.001,597	37.611,750	7,520	7,054
9	29	98.486	66.271,899	1.347.815,491	20,338	19,872	59	79	61.276	4.564,907	32.610,154	7,144	6,678
10	30	98.448	63.393,589	1.281.543,592	20,216	19,750	60	80	58.082	4.140,589	28.045,246	6,773	6,308
11	31	98.407	60.638,161	1.218.150,002	20,089	19,623	61	81	54.630	3.726,830	23.904,657	6,414	5,949
12	32	98.357	57.997,840	1.157.511,841	19,958	19,492	62	82	50.965	3.327,094	20.177,827	6,065	5,599
13	33	98.310	55.473,346	1.099.514,001	19,821	19,355	63	83	47.030	2.937,957	16.850,733	5,736	5,270
14	34	98.258	53.056,450	1.044.040,655	19,678	19,212	64	84	43.029	2.572,263	13.912,777	5,409	4,943
15	35	98.193	50.738,557	990.984,205	19,531	19,066	65	85	38.946	2.227,961	11.340,514	5,090	4,624
16	36	98.120	48.517,339	940.245,648	19,380	18,914	66	86	34.942	1.912,812	9.112,552	4,764	4,298
17	37	98.027	46.384,049	891.728,309	19,225	18,759	67	87	30.818	1.614,413	7.199,740	4,460	3,994
18	38	97.917	44.336,948	845.344,260	19,066	18,601	68	88	26.603	1.333,594	5.585,327	4,188	3,723
19	39	97.774	42.365,863	801.007,312	18,907	18,441	69	89	22.558	1.082,116	4.251,733	3,929	3,463
20	40	97.618	40.476,426	758.641,449	18,743	18,277	70	90	18.719	859,314	3.169,618	3,689	3,223
21	41	97.458	38.670,303	718.165,023	18,571	18,106	71	91	15.213	668,276	2.310,304	3,457	2,991
22	42	97.286	36.939,509	679.494,721	18,395	17,929	72	92	11.973	503,292	1.642,027	3,263	2,797
23	43	97.103	35.282,435	642.555,212	18,212	17,746	73	93	9.179	369,227	1.138,735	3,084	2,618
24	44	96.905	33.694,277	607.272,778	18,023	17,557	74	94	6.847	263,551	769,508	2,920	2,454
25	45	96.700	32.175,082	573.578,501	17,827	17,361	75	95	4.962	182,777	505,957	2,768	2,303
26	46	96.476	30.718,234	541.403,419	17,625	17,159	76	96	3.489	122,983	323,180	2,628	2,162
27	47	96.234	29.321,660	510.685,185	17,417	16,951	77	97	2.377	80,191	200,197	2,497	2,031
28	48	95.978	27.984,413	481.363,525	17,201	16,736	78	98	1.566	50,540	120,006	2,374	1,909
29	49	95.704	26.702,930	453.379,112	16,979	16,513	79	99	994	30,710	69,466	2,262	1,796
30	50	95.407	25.473,615	426.676,182	16,750	16,284	80	100	608	17,969	38,755	2,157	1,691
31	51	95.096	24.297,310	401.202,567	16,512	16,047	81	101	357	10,091	20,786	2,060	1,594
32	52	94.757	23.168,131	376.905,257	16,268	15,803	82	102	201	5,431	10,695	1,969	1,504
33	53	94.393	22.085,326	353.737,126	16,017	15,551	83	103	108	2,785	5,264	1,890	1,425
34	54	94.013	21.049,071	331.651,799	15,756	15,291	84	104	55	1,365	2,480	1,817	1,352
35	55	93.596	20.053,419	310.602,729	15,489	15,023	85	105	27	0,638	1,115	1,749	1,283
36	56	93.144	19.097,199	290.549,310	15,214	14,749	86	106					
37	57	92.666	18.180,917	271.452,110	14,931	14,465	87	107					
38	58	92.141	17.299,432	253.271,193	14,640	14,175	88	108					
39	59	91.570	16.452,059	235.971,761	14,343	13,877	89	109					
40	60	90.965	15.639,418	219.519,702	14,036	13,571	90	110					
41	61	90.308	14.857,942	203.880,284	13,722	13,256	91	111					
42	62	89.629	14.111,258	189.022,342	13,395	12,930	92	112					
43	63	88.869	13.389,024	174.911,084	13,064	12,598	93						
44	64	88.046	12.693,813	161.522,060	12,724	12,259	94						
45	65	87.167	12.026,008	148.828,247	12,376	11,910	95						
46	66	86.190	11.379,029	136.802,239	12,022	11,557	96						
47	67	85.119	10.753,780	125.423,210	11,663	11,198	97						
48	68	83.938	10.147,916	114.669,430	11,300	10,834	98						
49	69	82.639	9.560,664	104.521,514	10,932	10,467	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -21 Jahre

Zinsfuß 4,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	21	99.293	99.292,607	2.091.097,001	21,060	20,594	50	71	80.064	8.863,893	90.736,139	10,237	9,771
1	22	98.815	94.560,212	1.991.804,394	21,064	20,598	51	72	78.376	8.303,328	81.872,246	9,860	9,395
2	23	98.749	90.427,196	1.897.244,182	20,981	20,515	52	73	76.564	7.762,090	73.568,918	9,478	9,012
3	24	98.703	86.493,207	1.806.816,986	20,890	20,424	53	74	74.565	7.233,839	65.806,828	9,097	8,631
4	25	98.658	82.731,038	1.720.323,779	20,794	20,329	54	75	72.409	6.722,249	58.572,989	8,713	8,248
5	26	98.621	79.138,363	1.637.592,741	20,693	20,227	55	76	70.053	6.223,442	51.850,740	8,332	7,866
6	27	98.580	75.698,922	1.558.454,378	20,588	20,122	56	77	67.516	5.739,758	45.627,298	7,949	7,484
7	28	98.539	72.409,608	1.482.755,457	20,477	20,012	57	78	64.808	5.272,289	39.887,539	7,566	7,100
8	29	98.498	69.262,370	1.410.345,849	20,362	19,897	58	79	61.866	4.816,227	34.615,251	7,187	6,722
9	30	98.458	66.252,501	1.341.083,479	20,242	19,776	59	80	58.699	4.372,879	29.799,024	6,815	6,349
10	31	98.416	63.372,833	1.274.830,978	20,116	19,651	60	81	55.252	3.938,883	25.426,144	6,455	5,990
11	32	98.372	60.616,501	1.211.458,145	19,986	19,520	61	82	51.585	3.519,082	21.487,262	6,106	5,640
12	33	98.322	57.977,218	1.150.841,644	19,850	19,384	62	83	47.672	3.112,084	17.968,180	5,774	5,308
13	34	98.270	55.451,180	1.092.864,426	19,709	19,243	63	84	43.660	2.727,429	14.856,096	5,447	4,981
14	35	98.212	53.031,576	1.037.413,246	19,562	19,097	64	85	39.571	2.365,552	12.128,667	5,127	4,662
15	36	98.143	50.712,581	984.381,670	19,411	18,945	65	86	35.565	2.034,519	9.763,115	4,799	4,333
16	37	98.065	48.489,904	933.669,089	19,255	18,789	66	87	31.419	1.719,973	7.728,596	4,493	4,028
17	38	97.967	46.355,606	885.179,185	19,095	18,630	67	88	27.185	1.424,110	6.008,623	4,219	3,754
18	39	97.849	44.305,933	838.823,579	18,933	18,467	68	89	23.104	1.158,190	4.584,513	3,958	3,493
19	40	97.696	42.331,959	794.517,646	18,769	18,303	69	90	19.214	921,719	3.426,323	3,717	3,252
20	41	97.533	40.441,212	752.185,686	18,599	18,134	70	91	15.660	718,849	2.504,603	3,484	3,019
21	42	97.362	38.632,077	711.744,474	18,424	17,958	71	92	12.362	543,041	1.785,754	3,288	2,823
22	43	97.176	36.897,964	673.112,397	18,243	17,777	72	93	9.514	399,921	1.242,713	3,107	2,642
23	44	96.977	35.236,637	636.214,433	18,055	17,590	73	94	7.123	286,523	842,792	2,941	2,476
24	45	96.770	33.647,374	600.977,796	17,861	17,395	74	95	5.182	199,471	556,269	2,789	2,323
25	46	96.547	32.124,052	567.330,422	17,661	17,195	75	96	3.658	134,748	356,798	2,648	2,182
26	47	96.303	30.663,064	535.206,370	17,454	16,989	76	97	2.502	88,199	222,050	2,518	2,052
27	48	96.047	29.264,640	504.543,305	17,241	16,775	77	98	1.656	55,873	133,851	2,396	1,930
28	49	95.775	27.925,088	475.278,665	17,020	16,554	78	99	1.058	34,166	77,978	2,282	1,817
29	50	95.474	26.638,664	447.353,578	16,793	16,328	79	100	651	20,118	43,812	2,178	1,712
30	51	95.166	25.409,252	420.714,914	16,558	16,092	80	101	385	11,392	23,694	2,080	1,614
31	52	94.832	24.229,831	395.305,662	16,315	15,849	81	102	219	6,183	12,302	1,990	1,524
32	53	94.471	23.098,089	371.075,831	16,065	15,600	82	103	119	3,212	6,120	1,905	1,440
33	54	94.095	22.015,591	347.977,742	15,806	15,340	83	104	61	1,588	2,908	1,832	1,366
34	55	93.686	20.975,857	325.962,151	15,540	15,074	84	105	30	0,749	1,320	1,763	1,297
35	56	93.242	19.977,480	304.986,294	15,267	14,801	85	106					
36	57	92.770	19.020,529	285.008,814	14,984	14,519	86	107					
37	58	92.252	18.099,774	265.988,285	14,696	14,230	87	108					
38	59	91.697	17.216,125	247.888,511	14,399	13,933	88	109					
39	60	91.105	16.368,420	230.672,386	14,093	13,627	89	110					
40	61	90.464	15.553,335	214.303,966	13,779	13,313	90	111					
41	62	89.800	14.774,331	198.750,631	13,452	12,987	91	112					
42	63	89.065	14.022,457	183.976,300	13,120	12,655	92						
43	64	88.264	13.297,954	169.953,843	12,780	12,315	93						
44	65	87.402	12.600,985	156.655,889	12,432	11,966	94						
45	66	86.456	11.927,788	144.054,904	12,077	11,612	95						
46	67	85.409	11.275,974	132.127,116	11,718	11,252	96						
47	68	84.254	10.644,468	120.851,143	11,353	10,888	97						
48	69	82.978	10.031,848	110.206,675	10,986	10,520	98						
49	70	81.585	9.438,687	100.174,826	10,613	10,148	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -22 Jahre

Zinsfuß 4,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	22	99.268	99.268,313	2.083.805,383	20,992	20,526	50	72	78.766	8.720,189	86.385,985	9,906	9,441
1	23	98.789	94.534,611	1.984.537,069	20,993	20,527	51	73	76.963	8.153,626	77.665,796	9,525	9,060
2	24	98.723	90.403,603	1.890.002,459	20,906	20,441	52	74	75.004	7.603,958	69.512,170	9,142	8,676
3	25	98.676	86.469,709	1.799.598,856	20,812	20,346	53	75	72.867	7.069,185	61.908,212	8,757	8,292
4	26	98.634	82.710,681	1.713.129,147	20,712	20,247	54	76	70.532	6.547,958	54.839,027	8,375	7,909
5	27	98.593	79.116,207	1.630.418,466	20,608	20,142	55	77	68.025	6.043,284	48.291,069	7,991	7,525
6	28	98.551	75.676,860	1.551.302,259	20,499	20,033	56	78	65.319	5.553,029	42.247,786	7,608	7,142
7	29	98.510	72.388,115	1.475.625,399	20,385	19,919	57	79	62.406	5.076,887	36.694,756	7,228	6,762
8	30	98.469	69.242,097	1.403.237,284	20,266	19,800	58	80	59.264	4.613,627	31.617,870	6,853	6,388
9	31	98.425	66.230,809	1.333.995,187	20,142	19,676	59	81	55.839	4.159,857	27.004,243	6,492	6,026
10	32	98.381	63.350,196	1.267.764,378	20,012	19,546	60	82	52.172	3.719,314	22.844,385	6,142	5,676
11	33	98.337	60.594,947	1.204.414,182	19,876	19,411	61	83	48.251	3.291,664	19.125,071	5,810	5,345
12	34	98.283	57.954,051	1.143.819,236	19,737	19,271	62	84	44.256	2.889,078	15.833,407	5,480	5,015
13	35	98.224	55.425,183	1.085.865,184	19,592	19,126	63	85	40.151	2.508,248	12.944,329	5,161	4,695
14	36	98.161	53.004,426	1.030.440,001	19,441	18,975	64	86	36.135	2.160,164	10.436,080	4,831	4,366
15	37	98.088	50.683,905	977.435,575	19,285	18,819	65	87	31.979	1.829,410	8.275,917	4,524	4,058
16	38	98.004	48.460,169	926.751,669	19,124	18,658	66	88	27.716	1.517,227	6.446,506	4,249	3,783
17	39	97.898	46.323,180	878.291,500	18,960	18,494	67	89	23.610	1.236,801	4.929,280	3,986	3,520
18	40	97.770	44.270,477	831.968,320	18,793	18,327	68	90	19.679	986,518	3.692,478	3,743	3,277
19	41	97.611	42.295,131	787.697,844	18,624	18,158	69	91	16.073	771,053	2.705,961	3,509	3,044
20	42	97.436	40.401,236	745.402,712	18,450	17,984	70	92	12.725	584,137	1.934,908	3,312	2,847
21	43	97.253	38.588,629	705.001,476	18,270	17,804	71	93	9.823	431,506	1.350,771	3,130	2,665
22	44	97.050	36.850,069	666.412,847	18,084	17,619	72	94	7.383	310,343	919,265	2,962	2,496
23	45	96.842	35.187,588	629.562,777	17,892	17,426	73	95	5.391	216,858	608,922	2,808	2,342
24	46	96.617	33.594,009	594.375,190	17,693	17,227	74	96	3.820	147,055	392,064	2,666	2,200
25	47	96.373	32.066,358	560.781,180	17,488	17,023	75	97	2.623	96,636	245,010	2,535	2,070
26	48	96.116	30.603,435	528.714,823	17,276	16,811	76	98	1.743	61,452	148,373	2,414	1,949
27	49	95.843	29.202,601	498.111,387	17,057	16,591	77	99	1.120	37,771	86,921	2,301	1,836
28	50	95.544	27.857,880	468.908,786	16,832	16,367	78	100	693	22,382	49,150	2,196	1,730
29	51	95.233	26.571,358	441.050,906	16,599	16,133	79	101	413	12,754	26,768	2,099	1,633
30	52	94.901	25.338,685	414.479,549	16,358	15,892	80	102	236	6,980	14,015	2,008	1,542
31	53	94.545	24.156,579	389.140,864	16,109	15,643	81	103	129	3,656	7,035	1,924	1,458
32	54	94.172	23.025,156	364.984,285	15,852	15,386	82	104	68	1,831	3,378	1,845	1,380
33	55	93.768	21.939,015	341.959,129	15,587	15,121	83	105	34	0,871	1,547	1,776	1,310
34	56	93.331	20.896,424	320.020,114	15,315	14,849	84	106					
35	57	92.868	19.897,276	299.123,690	15,033	14,568	85	107					
36	58	92.356	18.935,639	279.226,414	14,746	14,280	86	108					
37	59	91.808	18.012,612	260.290,775	14,450	13,985	87	109					
38	60	91.231	17.128,602	242.278,163	14,145	13,679	88	110					
39	61	90.604	16.278,324	225.149,561	13,831	13,366	89	111					
40	62	89.955	15.465,811	208.871,236	13,505	13,040	90	112					
41	63	89.235	14.681,358	193.405,426	13,174	12,708	91						
42	64	88.459	13.927,079	178.724,068	12,833	12,367	92						
43	65	87.619	13.200,708	164.796,989	12,484	12,018	93						
44	66	86.688	12.498,068	151.596,281	12,130	11,664	94						
45	67	85.673	11.819,763	139.098,213	11,768	11,303	95						
46	68	84.541	11.161,353	127.278,450	11,403	10,938	96						
47	69	83.290	10.522,721	116.117,097	11,035	10,569	97						
48	70	81.919	9.903,860	105.594,376	10,662	10,196	98						
49	71	80.425	9.304,530	95.690,516	10,284	9,819	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -23 Jahre

Zinsfuß 4,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	23	99.241	99.241,437	2.076.139,288	20,920	20,454	50	73	77.346	8.562,972	81.923,849	9,567	9,102
1	24	98.763	94.509,946	1.976.897,850	20,917	20,452	51	74	75.395	7.987,518	73.360,877	9,184	8,719
2	25	98.696	90.379,042	1.882.387,904	20,828	20,362	52	75	73.297	7.430,879	65.373,360	8,798	8,332
3	26	98.652	86.448,432	1.792.008,862	20,729	20,264	53	76	70.978	6.885,898	57.942,481	8,415	7,949
4	27	98.606	82.687,525	1.705.560,431	20,627	20,161	54	77	68.490	6.358,405	51.056,583	8,030	7,564
5	28	98.564	79.093,150	1.622.872,906	20,519	20,053	55	78	65.812	5.846,681	44.698,177	7,645	7,179
6	29	98.522	75.654,398	1.543.779,756	20,406	19,940	56	79	62.899	5.347,222	38.851,497	7,266	6,800
7	30	98.481	72.366,927	1.468.125,358	20,287	19,822	57	80	59.781	4.863,322	33.504,275	6,889	6,424
8	31	98.437	69.219,426	1.395.758,431	20,164	19,699	58	81	56.377	4.388,877	28.640,953	6,526	6,060
9	32	98.390	66.207,150	1.326.539,006	20,036	19,571	59	82	52.727	3.927,971	24.252,076	6,174	5,709
10	33	98.346	63.327,670	1.260.331,855	19,902	19,436	60	83	48.801	3.478,957	20.324,105	5,842	5,376
11	34	98.297	60.570,734	1.197.004,185	19,762	19,296	61	84	44.794	3.055,791	16.845,149	5,513	5,047
12	35	98.237	57.926,881	1.136.433,451	19,618	19,153	62	85	40.699	2.656,908	13.789,358	5,190	4,724
13	36	98.174	55.396,808	1.078.506,569	19,469	19,003	63	86	36.665	2.290,471	11.132,451	4,860	4,395
14	37	98.106	52.974,454	1.023.109,761	19,313	18,848	64	87	32.492	1.942,388	8.841,980	4,552	4,087
15	38	98.028	50.652,825	970.135,307	19,153	18,687	65	88	28.210	1.613,764	6.899,592	4,275	3,810
16	39	97.936	48.426,271	919.482,481	18,987	18,522	66	89	24.070	1.317,670	5.285,828	4,011	3,546
17	40	97.820	46.286,109	871.056,211	18,819	18,353	67	90	20.110	1.053,476	3.968,158	3,767	3,301
18	41	97.685	44.231,962	824.770,102	18,646	18,181	68	91	16.463	825,260	2.914,681	3,532	3,066
19	42	97.515	42.253,323	780.538,140	18,473	18,007	69	92	13.061	626,558	2.089,422	3,335	2,869
20	43	97.327	40.355,798	738.284,816	18,294	17,829	70	93	10.111	464,161	1.462,864	3,152	2,686
21	44	97.126	38.538,540	697.929,018	18,110	17,644	71	94	7.623	334,853	998,703	2,983	2,517
22	45	96.915	36.798,774	659.390,478	17,919	17,453	72	95	5.588	234,886	663,850	2,826	2,361
23	46	96.689	35.131,780	622.591,704	17,722	17,256	73	96	3.974	159,873	428,965	2,683	2,218
24	47	96.443	33.533,675	587.459,924	17,519	17,053	74	97	2.740	105,462	269,092	2,552	2,086
25	48	96.186	32.004,000	553.926,249	17,308	16,842	75	98	1.828	67,331	163,629	2,430	1,965
26	49	95.912	30.538,558	521.922,249	17,091	16,625	76	99	1.179	41,544	96,299	2,318	1,852
27	50	95.613	29.132,318	491.383,691	16,867	16,402	77	100	734	24,743	54,755	2,213	1,747
28	51	95.303	27.787,493	462.251,373	16,635	16,170	78	101	440	14,189	30,012	2,115	1,650
29	52	94.968	26.497,562	434.463,879	16,396	15,931	79	102	253	7,814	15,823	2,025	1,559
30	53	94.615	25.262,081	407.966,317	16,149	15,684	80	103	140	4,128	8,009	1,940	1,475
31	54	94.247	24.080,304	382.704,236	15,893	15,427	81	104	74	2,085	3,881	1,862	1,396
32	55	93.845	22.945,069	358.623,933	15,630	15,164	82	105	37	1,005	1,797	1,788	1,322
33	56	93.413	21.855,935	335.678,864	15,359	14,893	83	106					
34	57	92.956	20.812,531	313.822,928	15,079	14,613	84	107					
35	58	92.453	19.808,472	293.010,397	14,792	14,327	85	108					
36	59	91.912	18.844,452	273.201,925	14,498	14,032	86	109					
37	60	91.341	17.921,040	254.357,473	14,193	13,728	87	110					
38	61	90.729	17.034,322	236.436,433	13,880	13,414	88	111					
39	62	90.094	16.186,721	219.402,111	13,554	13,089	89	112					
40	63	89.389	15.368,486	203.215,391	13,223	12,757	90						
41	64	88.628	14.581,497	187.846,905	12,883	12,417	91						
42	65	87.813	13.825,232	173.265,407	12,533	12,067	92						
43	66	86.903	13.092,893	159.440,175	12,178	11,712	93						
44	67	85.903	12.384,879	146.347,282	11,817	11,351	94						
45	68	84.802	11.699,615	133.962,403	11,450	10,985	95						
46	69	83.574	11.033,695	122.262,788	11,081	10,615	96						
47	70	82.228	10.388,470	111.229,094	10,707	10,241	97						
48	71	80.755	9.763,092	100.840,623	10,329	9,863	98						
49	72	79.121	9.153,683	91.077,532	9,950	9,484	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -24 Jahre

Zinsfuß 4,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	24	99.216	99.215,545	2.068.086,626	20,844	20,379	50	74	75.770	8.388,524	77.361,379	9,222	8,757
1	25	98.736	94.484,270	1.968.871,081	20,838	20,372	51	75	73.679	7.805,708	68.972,855	8,836	8,371
2	26	98.672	90.356,803	1.874.386,812	20,744	20,279	52	76	71.397	7.238,215	61.167,147	8,451	7,985
3	27	98.624	86.424,230	1.784.030,009	20,643	20,177	53	77	68.923	6.686,563	53.928,933	8,065	7,600
4	28	98.578	82.663,427	1.697.605,779	20,536	20,071	54	78	66.262	6.151,550	47.242,370	7,680	7,214
5	29	98.535	79.069,674	1.614.942,352	20,424	19,959	55	79	63.373	5.629,990	41.090,819	7,299	6,833
6	30	98.493	75.632,253	1.535.872,678	20,307	19,841	56	80	60.253	5.122,285	35.460,829	6,923	6,457
7	31	98.449	72.343,232	1.460.240,425	20,185	19,719	57	81	56.869	4.626,408	30.338,544	6,558	6,092
8	32	98.402	69.194,700	1.387.897,193	20,058	19,592	58	82	53.234	4.144,224	25.712,136	6,204	5,739
9	33	98.355	66.183,609	1.318.702,493	19,925	19,459	59	83	49.319	3.674,129	21.567,912	5,870	5,405
10	34	98.307	63.302,366	1.252.518,884	19,786	19,321	60	84	45.304	3.229,662	17.893,783	5,540	5,075
11	35	98.251	60.542,338	1.189.216,518	19,643	19,177	61	85	41.194	2.810,223	14.664,121	5,218	4,753
12	36	98.187	57.897,225	1.128.674,181	19,494	19,029	62	86	37.166	2.426,223	11.853,899	4,886	4,420
13	37	98.118	55.365,484	1.070.776,955	19,340	18,875	63	87	32.969	2.059,558	9.427,676	4,578	4,112
14	38	98.046	52.941,970	1.015.411,472	19,180	18,714	64	88	28.662	1.713,424	7.368,118	4,300	3,835
15	39	97.959	50.617,393	962.469,502	19,015	18,549	65	89	24.499	1.401,510	5.654,694	4,035	3,569
16	40	97.857	48.387,517	911.852,109	18,845	18,379	66	90	20.503	1.122,359	4.253,184	3,790	3,324
17	41	97.735	46.245,841	863.464,592	18,671	18,206	67	91	16.823	881,273	3.130,825	3,553	3,087
18	42	97.589	44.188,240	817.218,752	18,494	18,028	68	92	13.378	670,606	2.249,552	3,355	2,889
19	43	97.405	42.205,802	773.030,512	18,316	17,850	69	93	10.379	497,869	1.578,946	3,171	2,706
20	44	97.200	40.303,416	730.824,710	18,133	17,667	70	94	7.846	360,193	1.081,077	3,001	2,536
21	45	96.991	38.484,894	690.521,294	17,943	17,477	71	95	5.769	253,436	720,884	2,844	2,379
22	46	96.761	36.740,411	652.036,400	17,747	17,282	72	96	4.119	173,163	467,447	2,699	2,234
23	47	96.515	35.068,684	615.295,989	17,545	17,080	73	97	2.850	114,655	294,284	2,567	2,101
24	48	96.256	33.468,464	580.227,306	17,337	16,871	74	98	1.909	73,480	179,629	2,445	1,979
25	49	95.982	31.936,153	546.758,842	17,120	16,655	75	99	1.236	45,518	106,148	2,332	1,866
26	50	95.681	30.465,060	514.822,688	16,899	16,433	76	100	772	27,214	60,631	2,228	1,762
27	51	95.371	29.058,712	484.357,628	16,668	16,203	77	101	465	15,686	33,417	2,130	1,665
28	52	95.038	27.710,321	455.298,916	16,431	15,965	78	102	269	8,693	17,731	2,040	1,574
29	53	94.681	26.417,455	427.588,595	16,186	15,720	79	103	150	4,621	9,038	1,956	1,490
30	54	94.316	25.182,315	401.171,140	15,931	15,465	80	104	80	2,353	4,416	1,877	1,411
31	55	93.919	23.996,547	375.988,826	15,668	15,203	81	105	40	1,144	2,063	1,803	1,338
32	56	93.490	22.858,179	351.992,279	15,399	14,933	82	106					
33	57	93.038	21.768,190	329.134,100	15,120	14,654	83	107					
34	58	92.541	20.719,643	307.365,910	14,835	14,369	84	108					
35	59	92.008	19.713,082	286.646,267	14,541	14,075	85	109					
36	60	91.444	18.748,651	266.933,185	14,237	13,772	86	110					
37	61	90.838	17.822,398	248.184,534	13,925	13,460	87	111					
38	62	90.218	16.938,463	230.362,136	13,600	13,134	88	112					
39	63	89.527	16.084,859	213.423,673	13,269	12,803	89						
40	64	88.781	15.263,952	197.338,813	12,928	12,463	90						
41	65	87.980	14.474,866	182.074,861	12,579	12,113	91						
42	66	87.095	13.712,317	167.599,996	12,223	11,757	92						
43	67	86.116	12.974,316	153.887,679	11,861	11,395	93						
44	68	85.030	12.258,986	140.913,363	11,495	11,029	94						
45	69	83.832	11.565,800	128.654,376	11,124	10,658	95						
46	70	82.508	10.892,925	117.088,577	10,749	10,283	96						
47	71	81.059	10.240,813	106.195,652	10,370	9,904	97						
48	72	79.446	9.604,810	95.954,839	9,990	9,525	98						
49	73	77.695	8.988,650	86.350,029	9,607	9,141	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -25 Jahre

Zinsfuß 4,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	25	99.189	99.188,590	2.059.631,039	20,765	20,299	50	75	74.046	8.197,587	72.714,701	8,870	8,405
1	26	98.712	94.461,020	1.960.442,449	20,754	20,288	51	76	71.769	7.603,325	64.517,114	8,485	8,020
2	27	98.644	90.331,507	1.865.981,428	20,657	20,191	52	77	69.330	7.028,680	56.913,789	8,097	7,632
3	28	98.596	86.399,043	1.775.649,922	20,552	20,086	53	78	66.681	6.469,032	49.885,109	7,711	7,246
4	29	98.548	82.638,891	1.689.250,879	20,441	19,976	54	79	63.806	5.923,561	43.416,077	7,329	6,864
5	30	98.506	79.046,529	1.606.611,988	20,325	19,859	55	80	60.707	5.393,158	37.492,516	6,952	6,486
6	31	98.461	75.607,490	1.527.565,459	20,204	19,738	56	81	57.317	4.872,756	32.099,358	6,588	6,122
7	32	98.414	72.317,391	1.451.957,969	20,078	19,612	57	82	53.699	4.368,514	27.226,601	6,232	5,767
8	33	98.367	69.170,096	1.379.640,578	19,946	19,480	58	83	49.794	3.876,407	22.858,087	5,897	5,431
9	34	98.316	66.157,163	1.310.470,482	19,808	19,343	59	84	45.785	3.410,849	18.981,680	5,565	5,099
10	35	98.261	63.272,688	1.244.313,319	19,666	19,200	60	85	41.663	2.970,121	15.570,831	5,242	4,777
11	36	98.201	60.511,343	1.181.040,631	19,518	19,052	61	86	37.617	2.566,226	12.600,710	4,910	4,445
12	37	98.131	57.864,487	1.120.529,288	19,365	18,899	62	87	33.419	2.181,624	10.034,484	4,600	4,134
13	38	98.058	55.331,532	1.062.664,801	19,205	18,740	63	88	29.082	1.816,782	7.852,860	4,322	3,857
14	39	97.977	52.904,936	1.007.333,269	19,040	18,575	64	89	24.892	1.488,062	6.036,078	4,056	3,591
15	40	97.881	50.576,886	954.428,333	18,871	18,405	65	90	20.868	1.193,772	4.548,015	3,810	3,344
16	41	97.772	48.345,421	903.851,447	18,696	18,230	66	91	17.151	938,896	3.354,244	3,573	3,107
17	42	97.638	46.200,127	855.506,026	18,517	18,052	67	92	13.670	716,123	2.415,348	3,373	2,907
18	43	97.479	44.138,542	809.305,899	18,336	17,870	68	93	10.630	532,870	1.699,225	3,189	2,723
19	44	97.279	42.151,018	765.167,356	18,153	17,687	69	94	8.054	386,351	1.166,355	3,019	2,553
20	45	97.065	40.247,313	723.016,338	17,964	17,499	70	95	5.939	272,616	780,004	2,861	2,396
21	46	96.837	38.423,857	682.769,025	17,769	17,304	71	96	4.253	186,839	507,388	2,716	2,250
22	47	96.588	36.674,426	644.345,168	17,569	17,104	72	97	2.954	124,187	320,549	2,581	2,116
23	48	96.327	35.000,488	607.670,743	17,362	16,896	73	98	1.986	79,885	196,362	2,458	1,992
24	49	96.052	33.397,513	572.670,255	17,147	16,681	74	99	1.290	49,675	116,477	2,345	1,879
25	50	95.751	31.859,292	539.272,742	16,927	16,461	75	100	809	29,817	66,802	2,240	1,775
26	51	95.439	30.388,086	507.413,450	16,698	16,232	76	101	489	17,252	36,985	2,144	1,678
27	52	95.106	28.978,009	477.025,364	16,462	15,996	77	102	285	9,611	19,733	2,053	1,588
28	53	94.751	27.626,547	448.047,355	16,218	15,752	78	103	159	5,141	10,122	1,969	1,503
29	54	94.382	26.334,041	420.420,808	15,965	15,499	79	104	85	2,635	4,981	1,890	1,425
30	55	93.988	25.094,724	394.086,768	15,704	15,238	80	105	44	1,292	2,346	1,816	1,351
31	56	93.563	23.905,675	368.992,043	15,435	14,970	81	106					
32	57	93.114	22.766,410	345.086,368	15,158	14,692	82	107					
33	58	92.623	21.671,037	322.319,958	14,873	14,408	83	108					
34	59	92.096	20.619,865	300.648,922	14,581	14,115	84	109					
35	60	91.540	19.612,865	280.029,057	14,278	13,812	85	110					
36	61	90.941	18.645,454	260.416,192	13,967	13,501	86	111					
37	62	90.327	17.722,105	241.770,738	13,642	13,177	87	112					
38	63	89.650	16.831,871	224.048,633	13,311	12,845	88						
39	64	88.918	15.975,453	207.216,762	12,971	12,505	89						
40	65	88.131	15.152,330	191.241,309	12,621	12,156	90						
41	66	87.261	14.356,644	176.088,979	12,265	11,800	91						
42	67	86.307	13.588,130	161.732,335	11,902	11,437	92						
43	68	85.241	12.842,433	148.144,206	11,536	11,070	93						
44	69	84.057	12.118,773	135.301,773	11,165	10,699	94						
45	70	82.762	11.418,241	123.183,000	10,788	10,323	95						
46	71	81.335	10.738,098	111.764,759	10,408	9,943	96						
47	72	79.745	10.074,786	101.026,661	10,028	9,562	97						
48	73	78.013	9.431,643	90.951,874	9,643	9,178	98						
49	74	76.112	8.805,530	81.520,231	9,258	8,792	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 1 Jahr

Zinsfuß 4,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	49	91.859	10.169,677	150.015,741	14,751	14,286
1	0	99.544	95.257,196	2.080.588,773	21,842	21,376	51	50	91.184	9.660,219	139.846,064	14,476	14,011
2	1	99.126	90.772,415	1.985.331,577	21,872	21,406	52	51	90.482	9.173,100	130.185,845	14,192	13,727
3	2	99.070	86.814,963	1.894.559,163	21,823	21,357	53	52	89.702	8.702,368	121.012,745	13,906	13,440
4	3	99.033	83.044,942	1.807.744,199	21,768	21,303	54	53	88.868	8.250,263	112.310,377	13,613	13,147
5	4	99.002	79.444,549	1.724.699,257	21,709	21,244	55	54	87.986	7.816,622	104.060,114	13,313	12,847
6	5	98.976	76.003,263	1.645.254,708	21,647	21,182	56	55	87.024	7.398,207	96.243,492	13,009	12,543
7	6	98.952	72.712,413	1.569.251,445	21,582	21,116	57	56	86.015	6.997,582	88.845,285	12,697	12,231
8	7	98.930	69.566,253	1.496.539,032	21,512	21,047	58	57	84.929	6.611,658	81.847,703	12,379	11,914
9	8	98.910	66.556,865	1.426.972,779	21,440	20,974	59	58	83.744	6.238,681	75.236,045	12,060	11,594
10	9	98.891	63.678,706	1.360.415,914	21,364	20,898	60	59	82.465	5.878,830	68.997,364	11,737	11,271
11	10	98.875	60.926,898	1.296.737,207	21,283	20,818	61	60	81.122	5.534,061	63.118,534	11,405	10,940
12	11	98.853	58.289,927	1.235.810,309	21,201	20,735	62	61	79.706	5.203,345	57.584,472	11,067	10,601
13	12	98.831	55.767,319	1.177.520,382	21,115	20,649	63	62	78.190	4.884,565	52.381,127	10,724	10,258
14	13	98.809	53.354,405	1.121.753,063	21,025	20,559	64	63	76.575	4.577,689	47.496,562	10,376	9,910
15	14	98.782	51.042,481	1.068.398,658	20,932	20,466	65	64	74.854	4.282,105	42.918,873	10,023	9,557
16	15	98.747	48.827,268	1.017.356,177	20,836	20,370	66	65	73.005	3.996,503	38.636,769	9,668	9,202
17	16	98.691	46.698,417	968.528,910	20,740	20,274	67	66	71.024	3.720,589	34.640,265	9,310	8,845
18	17	98.620	44.655,371	921.830,493	20,643	20,178	68	67	68.873	3.452,555	30.919,676	8,956	8,490
19	18	98.524	42.690,605	877.175,122	20,547	20,082	69	68	66.561	3.192,987	27.467,122	8,602	8,137
20	19	98.416	40.807,611	834.484,517	20,449	19,984	70	69	64.105	2.942,758	24.274,135	8,249	7,783
21	20	98.314	39.009,841	793.676,906	20,346	19,880	71	70	61.483	2.700,825	21.331,377	7,898	7,432
22	21	98.206	37.288,939	754.667,065	20,238	19,773	72	71	58.700	2.467,555	18.630,552	7,550	7,085
23	22	98.108	35.647,568	717.378,126	20,124	19,659	73	72	55.716	2.241,233	16.162,997	7,212	6,746
24	23	98.009	34.077,992	681.730,558	20,005	19,539	74	73	52.589	2.024,371	13.921,764	6,877	6,411
25	24	97.912	32.578,355	647.652,567	19,880	19,414	75	74	49.330	1.817,162	11.897,394	6,547	6,082
26	25	97.814	31.144,192	615.074,212	19,749	19,284	76	75	45.979	1.620,761	10.080,232	6,219	5,754
27	26	97.720	29.774,412	583.930,021	19,612	19,146	77	76	42.552	1.435,389	8.459,471	5,894	5,428
28	27	97.623	28.463,913	554.155,609	19,469	19,003	78	77	39.059	1.260,808	7.024,081	5,571	5,105
29	28	97.522	27.210,241	525.691,696	19,320	18,854	79	78	35.494	1.096,407	5.763,274	5,257	4,791
30	29	97.425	26.012,471	498.481,455	19,163	18,698	80	79	31.903	943,028	4.666,866	4,949	4,483
31	30	97.325	24.866,850	472.468,984	19,000	18,534	81	80	28.289	800,213	3.723,838	4,654	4,188
32	31	97.217	23.769,453	447.602,134	18,831	18,365	82	81	24.702	668,642	2.923,625	4,372	3,907
33	32	97.102	22.719,135	423.832,681	18,655	18,190	83	82	21.136	547,470	2.254,984	4,119	3,653
34	33	96.983	21.714,004	401.113,546	18,473	18,007	84	83	17.755	440,106	1.707,513	3,880	3,414
35	34	96.851	20.750,810	379.399,543	18,284	17,818	85	84	14.665	347,864	1.267,407	3,643	3,178
36	35	96.705	19.827,155	358.648,732	18,089	17,623	86	85	11.920	270,559	919,543	3,399	2,933
37	36	96.546	18.942,233	338.821,577	17,887	17,421	87	86	9.443	205,110	648,984	3,164	2,698
38	37	96.375	18.094,402	319.879,344	17,678	17,213	88	87	7.216	149,986	443,874	2,959	2,494
39	38	96.183	17.280,754	301.784,942	17,464	16,998	89	88	5.312	105,655	293,889	2,782	2,316
40	39	95.968	16.499,570	284.504,188	17,243	16,778	90	89	3.784	72,019	188,234	2,614	2,148
41	40	95.726	15.749,257	268.004,618	17,017	16,551	91	90	2.598	47,314	116,215	2,456	1,991
42	41	95.461	15.029,342	252.255,361	16,784	16,319	92	91	1.711	29,819	68,901	2,311	1,845
43	42	95.156	14.336,240	237.226,019	16,547	16,082	93	92	1.071	17,856	39,082	2,189	1,723
44	43	94.814	13.669,537	222.889,779	16,306	15,840	94	93	640	10,215	21,225	2,078	1,612
45	44	94.436	13.028,869	209.220,242	16,058	15,593	95	94	365	5,569	11,010	1,977	1,512
46	45	94.015	12.412,151	196.191,373	15,806	15,341	96	95	197	2,886	5,441	1,886	1,420
47	46	93.547	11.818,567	183.779,222	15,550	15,084	97	96	101	1,418	2,556	1,803	1,337
48	47	93.029	11.247,009	171.960,655	15,289	14,824	98	97	49	0,659	1,138	1,727	1,262
49	48	92.469	10.697,905	160.713,646	15,023	14,557	99	98	23	0,289	0,479	1,659	1,193
							100	99	10	0,119	0,190	1,596	1,131

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 2 Jahre

Zinsfuß 4,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	48	92.054	10.191,282	151.232,259	14,839	14,374
1							51	49	91.404	9.683,524	141.040,977	14,565	14,099
2	0	99.504	91.118,386	1.987.389,485	21,811	21,345	52	50	90.711	9.196,336	131.357,453	14,284	13,818
3	1	99.106	86.846,067	1.896.271,099	21,835	21,369	53	51	89.952	8.726,604	122.161,117	13,999	13,533
4	2	99.052	83.061,365	1.809.425,033	21,784	21,319	54	52	89.138	8.275,281	113.434,513	13,708	13,242
5	3	99.019	79.458,187	1.726.363,668	21,727	21,261	55	53	88.265	7.841,381	105.159,232	13,411	12,945
6	4	98.989	76.013,081	1.646.905,480	21,666	21,200	56	54	87.328	7.424,030	97.317,851	13,108	12,643
7	5	98.964	72.721,919	1.570.892,399	21,601	21,136	57	55	86.342	7.024,181	89.893,821	12,798	12,332
8	6	98.939	69.572,664	1.498.170,481	21,534	21,068	58	56	85.271	6.638,309	82.869,640	12,484	12,018
9	7	98.918	66.562,662	1.428.597,816	21,462	20,997	59	57	84.119	6.266,649	76.231,331	12,165	11,699
10	8	98.901	63.684,820	1.362.035,154	21,387	20,922	60	58	82.864	5.907,278	69.964,681	11,844	11,378
11	9	98.882	60.930,835	1.298.350,335	21,309	20,843	61	59	81.536	5.562,339	64.057,404	11,516	11,051
12	10	98.861	58.294,829	1.237.419,499	21,227	20,761	62	60	80.147	5.232,144	58.495,064	11,180	10,714
13	11	98.840	55.772,550	1.179.124,671	21,142	20,676	63	61	78.633	4.912,208	53.262,920	10,843	10,377
14	12	98.818	53.358,936	1.123.352,121	21,053	20,587	64	62	77.060	4.606,678	48.350,712	10,496	10,030
15	13	98.791	51.047,427	1.069.993,185	20,963	20,495	65	63	75.367	4.311,430	43.744,034	10,146	9,680
16	14	98.758	48.832,958	1.018.945,757	20,866	20,400	66	64	73.543	4.025,944	39.432,604	9,795	9,329
17	15	98.709	46.706,762	970.112,800	20,770	20,305	67	65	71.609	3.751,227	35.406,660	9,439	8,973
18	16	98.641	44.664,830	923.406,038	20,674	20,209	68	66	69.502	3.484,109	31.655,433	9,086	8,620
19	17	98.546	42.700,000	878.741,208	20,579	20,114	69	67	67.245	3.225,777	28.171,324	8,733	8,268
20	18	98.445	40.819,351	836.041,209	20,481	20,016	70	68	64.847	2.976,805	24.945,548	8,380	7,914
21	19	98.341	39.020,657	795.221,858	20,380	19,914	71	69	62.277	2.735,728	21.968,742	8,030	7,565
22	20	98.237	37.300,721	756.201,200	20,273	19,807	72	70	59.547	2.503,133	19.233,014	7,684	7,218
23	21	98.132	35.656,292	718.900,480	20,162	19,696	73	71	56.634	2.278,167	16.729,881	7,344	6,878
24	22	98.035	34.087,220	683.244,188	20,044	19,578	74	72	53.555	2.061,539	14.451,714	7,010	6,545
25	23	97.938	32.586,857	649.156,968	19,921	19,455	75	73	50.356	1.854,952	12.390,175	6,680	6,214
26	24	97.840	31.152,655	616.570,111	19,792	19,326	76	74	47.050	1.658,512	10.535,224	6,352	5,887
27	25	97.744	29.781,740	585.417,456	19,657	19,191	77	75	43.685	1.473,596	8.876,712	6,024	5,558
28	26	97.650	28.471,884	555.635,715	19,515	19,050	78	76	40.223	1.298,394	7.403,116	5,702	5,236
29	27	97.551	27.218,173	527.163,832	19,368	18,902	79	77	36.688	1.133,275	6.104,722	5,387	4,921
30	28	97.454	26.020,194	499.945,658	19,214	18,748	80	78	33.131	979,324	4.971,447	5,076	4,611
31	29	97.354	24.874,131	473.925,464	19,053	18,587	81	79	29.532	835,353	3.992,122	4,779	4,313
32	30	97.248	23.777,238	449.051,333	18,886	18,420	82	80	25.967	702,882	3.156,769	4,491	4,026
33	31	97.137	22.727,253	425.274,095	18,712	18,246	83	81	22.383	579,790	2.453,888	4,232	3,767
34	32	97.017	21.721,728	402.546,842	18,532	18,066	84	82	18.982	470,512	1.874,098	3,983	3,517
35	33	96.890	20.759,105	380.825,115	18,345	17,879	85	83	15.797	374,716	1.403,585	3,746	3,280
36	34	96.750	19.836,454	360.066,009	18,152	17,686	86	84	12.961	294,201	1.028,870	3,497	3,032
37	35	96.595	18.951,936	340.229,555	17,952	17,487	87	85	10.341	224,612	734,668	3,271	2,805
38	36	96.429	18.104,640	321.277,619	17,746	17,280	88	86	8.025	166,802	510,056	3,058	2,592
39	37	96.242	17.291,358	303.172,980	17,533	17,068	89	87	6.022	119,773	343,255	2,866	2,400
40	38	96.035	16.511,120	285.881,622	17,314	16,849	90	88	4.357	82,927	223,482	2,695	2,229
41	39	95.802	15.761,870	269.370,502	17,090	16,624	91	89	3.050	55,547	140,555	2,530	2,065
42	40	95.544	15.042,429	253.608,632	16,860	16,394	92	90	2.045	35,646	85,008	2,385	1,919
43	41	95.250	14.350,425	238.566,203	16,624	16,159	93	91	1.317	21,974	49,362	2,246	1,781
44	42	94.920	13.684,928	224.215,778	16,384	15,919	94	92	805	12,856	27,387	2,130	1,665
45	43	94.559	13.045,803	210.530,850	16,138	15,672	95	93	470	7,176	14,532	2,025	1,559
46	44	94.146	12.429,453	197.485,047	15,888	15,423	96	94	261	3,813	7,356	1,929	1,464
47	45	93.696	11.837,341	185.055,594	15,633	15,168	97	95	137	1,923	3,543	1,842	1,377
48	46	93.197	11.267,245	173.218,253	15,374	14,908	98	96	69	0,919	1,620	1,763	1,298
49	47	92.649	10.718,749	161.951,009	15,109	14,644	99	97	32	0,415	0,701	1,691	1,226
							100	98	14	0,176	0,287	1,626	1,161

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 3 Jahre

Zinsfuß 4,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	47	92.234	10.211,139	152.357,090	14,921	14,455
1							51	48	91.598	9.704,096	142.145,951	14,648	14,182
2							52	49	90.930	9.218,522	132.441,855	14,367	13,901
3	0	99.484	87.177,072	1.898.180,487	21,774	21,308	53	50	90.179	8.748,709	123.223,333	14,085	13,619
4	1	99.088	83.091,123	1.811.003,414	21,795	21,330	54	51	89.386	8.298,327	114.474,624	13,795	13,329
5	2	99.039	79.473,900	1.727.912,291	21,742	21,276	55	52	88.533	7.865,159	106.176,296	13,500	13,034
6	3	99.006	76.026,131	1.648.438,391	21,683	21,217	56	53	87.604	7.447,546	98.311,137	13,200	12,735
7	4	98.977	72.731,313	1.572.412,260	21,619	21,154	57	54	86.644	7.048,698	90.863,591	12,891	12,425
8	5	98.952	69.581,760	1.499.680,948	21,553	21,087	58	55	85.595	6.663,543	83.814,893	12,578	12,113
9	6	98.928	66.568,796	1.430.099,187	21,483	21,017	59	56	84.459	6.291,910	77.151,350	12,262	11,796
10	7	98.909	63.690,366	1.363.530,391	21,409	20,943	60	57	83.235	5.933,760	70.859,440	11,942	11,476
11	8	98.891	60.936,685	1.299.840,025	21,331	20,865	61	58	81.931	5.589,255	64.925,680	11,616	11,151
12	9	98.868	58.298,596	1.238.903,340	21,251	20,785	62	59	80.557	5.258,879	59.336,425	11,283	10,817
13	10	98.848	55.777,240	1.180.604,744	21,166	20,701	63	60	79.068	4.939,395	54.077,546	10,948	10,483
14	11	98.827	53.363,941	1.124.827,504	21,078	20,613	64	61	77.496	4.632,748	49.138,150	10,607	10,141
15	12	98.800	51.051,763	1.071.463,564	20,988	20,522	65	62	75.844	4.338,734	44.505,402	10,258	9,792
16	13	98.768	48.837,690	1.020.411,801	20,894	20,428	66	63	74.047	4.053,516	40.166,669	9,909	9,443
17	14	98.720	46.712,205	971.574,111	20,799	20,334	67	64	72.136	3.778,861	36.113,153	9,557	9,091
18	15	98.659	44.672,811	924.861,906	20,703	20,237	68	65	70.075	3.512,799	32.334,292	9,205	8,739
19	16	98.567	42.709,044	880.189,095	20,609	20,143	69	66	67.859	3.255,258	28.821,493	8,854	8,388
20	17	98.466	40.828,334	837.480,050	20,512	20,047	70	67	65.513	3.007,375	25.566,235	8,501	8,036
21	18	98.370	39.031,883	796.651,717	20,410	19,945	71	68	62.998	2.767,380	22.558,860	8,152	7,686
22	19	98.264	37.311,064	757.619,834	20,306	19,840	72	69	60.316	2.535,481	19.791,480	7,806	7,340
23	20	98.163	35.667,558	720.308,770	20,195	19,729	73	70	57.450	2.311,015	17.255,998	7,467	7,001
24	21	98.059	34.095,563	684.641,213	20,080	19,614	74	71	54.437	2.095,512	14.944,983	7,132	6,666
25	22	97.964	32.595,682	650.545,650	19,958	19,492	75	72	51.281	1.889,009	12.849,472	6,802	6,337
26	23	97.866	31.160,785	617.949,969	19,831	19,365	76	73	48.028	1.693,002	10.960,463	6,474	6,008
27	24	97.771	29.789,833	586.789,183	19,698	19,232	77	74	44.703	1.507,919	9.267,461	6,146	5,680
28	25	97.674	28.478,892	556.999,350	19,558	19,093	78	75	41.294	1.332,954	7.759,542	5,821	5,356
29	26	97.578	27.225,795	528.520,458	19,412	18,947	79	76	37.782	1.167,060	6.426,588	5,507	5,041
30	27	97.482	26.027,779	501.294,663	19,260	18,794	80	77	34.245	1.012,256	5.259,528	5,196	4,730
31	28	97.383	24.881,516	475.266,884	19,101	18,636	81	78	30.668	867,505	4.247,273	4,896	4,430
32	29	97.277	23.784,200	450.385,367	18,936	18,471	82	79	27.107	733,748	3.379,768	4,606	4,141
33	30	97.169	22.734,697	426.601,167	18,764	18,299	83	80	23.529	609,480	2.646,020	4,341	3,876
34	31	97.052	21.729,490	403.866,471	18,586	18,120	84	81	20.102	498,289	2.036,540	4,087	3,621
35	32	96.924	20.766,489	382.136,981	18,402	17,936	85	82	16.889	400,604	1.538,251	3,840	3,374
36	33	96.789	19.844,384	361.370,492	18,210	17,745	86	83	13.962	316,911	1.137,647	3,590	3,124
37	34	96.641	18.960,825	341.526,108	18,012	17,547	87	84	11.244	244,239	820,736	3,360	2,895
38	35	96.479	18.113,913	322.565,283	17,808	17,342	88	85	8.788	182,661	576,497	3,156	2,690
39	36	96.296	17.301,141	304.451,370	17,597	17,132	89	86	6.697	133,202	393,836	2,957	2,491
40	37	96.094	16.521,251	287.150,229	17,381	16,915	90	87	4.939	94,008	260,634	2,772	2,307
41	38	95.869	15.772,904	270.628,978	17,158	16,692	91	88	3.511	63,960	166,626	2,605	2,140
42	39	95.620	15.054,476	254.856,075	16,929	16,463	92	89	2.401	41,849	102,666	2,453	1,988
43	40	95.333	14.362,921	239.801,599	16,696	16,230	93	90	1.575	26,268	60,817	2,315	1,850
44	41	95.014	13.698,469	225.438,678	16,457	15,992	94	91	991	15,820	34,549	2,184	1,718
45	42	94.666	13.060,492	211.740,209	16,212	15,747	95	92	591	9,031	18,729	2,074	1,608
46	43	94.268	12.445,608	198.679,717	15,964	15,498	96	93	336	4,913	9,698	1,974	1,508
47	44	93.826	11.853,841	186.234,110	15,711	15,245	97	94	182	2,541	4,784	1,883	1,417
48	45	93.345	11.285,143	174.380,268	15,452	14,987	98	95	93	1,246	2,243	1,800	1,335
49	46	92.816	10.738,035	163.095,125	15,189	14,723	99	96	45	0,578	0,997	1,725	1,260
							100	97	21	0,253	0,419	1,657	1,191

Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente nach der Sterbetafel 2002/2004

Altersdifferenz zwischen Mann und Frau (x - y) = 4 Jahre

Zinsfuß 4,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	46	92.399	10.229,511	153.396,014	14,995	14,530
1							51	47	91.776	9.723,004	143.166,503	14,725	14,259
2							52	48	91.123	9.238,107	133.443,499	14,445	13,979
3							53	49	90.397	8.769,815	124.205,392	14,163	13,697
4	0	99.465	83.407,817	1.812.774,068	21,734	21,268	54	50	89.613	8.319,347	115.435,577	13,876	13,410
5	1	99.074	79.502,374	1.729.366,250	21,752	21,287	55	51	88.779	7.887,064	107.116,229	13,581	13,116
6	2	99.025	76.041,165	1.649.863,877	21,697	21,231	56	52	87.870	7.470,130	99.229,166	13,283	12,818
7	3	98.994	72.743,799	1.573.822,712	21,635	21,170	57	53	86.918	7.071,025	91.759,036	12,977	12,511
8	4	98.965	69.590,748	1.501.078,913	21,570	21,104	58	54	85.894	6.686,801	84.688,011	12,665	12,199
9	5	98.940	66.577,499	1.431.488,165	21,501	21,035	59	55	84.780	6.315,827	78.001,210	12,350	11,885
10	6	98.918	63.696,236	1.364.910,666	21,428	20,963	60	56	83.571	5.957,679	71.685,383	12,032	11,567
11	7	98.900	60.941,992	1.301.214,430	21,352	20,886	61	57	82.298	5.614,312	65.727,704	11,707	11,242
12	8	98.877	58.304,192	1.240.272,438	21,272	20,807	62	58	80.947	5.284,327	60.113,392	11,376	10,910
13	9	98.855	55.780,844	1.181.968,245	21,190	20,724	63	59	79.472	4.964,635	54.829,065	11,044	10,578
14	10	98.835	53.368,429	1.126.187,401	21,102	20,637	64	60	77.925	4.658,389	49.864,431	10,704	10,239
15	11	98.809	51.056,551	1.072.818,972	21,012	20,547	65	61	76.273	4.363,287	45.206,041	10,361	9,895
16	12	98.776	48.841,838	1.021.762,421	20,920	20,454	66	62	74.516	4.079,186	40.842,754	10,012	9,547
17	13	98.730	46.716,731	972.920,583	20,826	20,360	67	63	72.630	3.804,740	36.763,569	9,663	9,197
18	14	98.670	44.678,018	926.203,852	20,731	20,265	68	64	70.591	3.538,677	32.958,829	9,314	8,848
19	15	98.584	42.716,677	881.525,835	20,637	20,171	69	65	68.418	3.282,064	29.420,152	8,964	8,498
20	16	98.487	40.836,982	838.809,158	20,540	20,075	70	66	66.112	3.034,861	26.138,088	8,613	8,147
21	17	98.391	39.040,472	797.972,176	20,440	19,974	71	67	63.645	2.795,799	23.103,227	8,264	7,798
22	18	98.293	37.321,797	758.931,704	20,335	19,869	72	68	61.014	2.564,817	20.307,428	7,918	7,452
23	19	98.190	35.677,448	721.609,907	20,226	19,760	73	69	58.193	2.340,880	17.742,611	7,579	7,114
24	20	98.090	34.106,335	685.932,459	20,112	19,646	74	70	55.222	2.125,726	15.401,731	7,245	6,780
25	21	97.988	32.603,659	651.826,124	19,992	19,527	75	71	52.126	1.920,139	13.276,005	6,914	6,448
26	22	97.893	31.169,224	619.222,465	19,866	19,401	76	72	48.910	1.724,086	11.355,867	6,587	6,121
27	23	97.796	29.797,608	588.053,241	19,735	19,269	77	73	45.632	1.539,278	9.631,781	6,257	5,792
28	24	97.701	28.486,631	558.255,633	19,597	19,131	78	74	42.256	1.364,001	8.092,503	5,933	5,467
29	25	97.602	27.232,496	529.769,002	19,454	18,988	79	75	38.787	1.198,124	6.728,502	5,616	5,150
30	26	97.510	26.035,068	502.536,506	19,302	18,837	80	76	35.266	1.042,432	5.530,378	5,305	4,840
31	27	97.411	24.888,770	476.501,438	19,145	18,680	81	77	31.700	896,676	4.487,946	5,005	4,539
32	28	97.306	23.791,261	451.612,668	18,982	18,517	82	78	28.150	761,989	3.591,270	4,713	4,247
33	29	97.197	22.741,353	427.821,407	18,812	18,347	83	79	24.563	636,245	2.829,281	4,447	3,981
34	30	97.084	21.736,606	405.080,053	18,636	18,170	84	80	21.132	523,806	2.193,036	4,187	3,721
35	31	96.959	20.773,910	383.343,447	18,453	17,988	85	81	17.886	424,254	1.669,231	3,935	3,469
36	32	96.823	19.851,442	362.569,537	18,264	17,799	86	82	14.926	338,806	1.244,977	3,675	3,209
37	33	96.679	18.968,404	342.718,094	18,068	17,602	87	83	12.112	263,092	906,171	3,444	2,979
38	34	96.524	18.122,409	323.749,690	17,865	17,399	88	84	9.556	198,623	643,079	3,238	2,772
39	35	96.346	17.310,003	305.627,281	17,656	17,190	89	85	7.333	145,867	444,456	3,047	2,581
40	36	96.148	16.530,598	288.317,278	17,441	16,976	90	86	5.493	104,548	298,590	2,856	2,390
41	37	95.928	15.782,582	271.786,680	17,221	16,755	91	87	3.981	72,506	194,042	2,676	2,211
42	38	95.687	15.065,014	256.004,098	16,993	16,528	92	88	2.765	48,187	121,535	2,522	2,057
43	39	95.409	14.374,424	240.939,084	16,762	16,296	93	89	1.849	30,839	73,349	2,378	1,913
44	40	95.097	13.710,397	226.564,660	16,525	16,059	94	90	1.185	18,912	42,509	2,248	1,782
45	41	94.759	13.073,415	212.854,263	16,281	15,816	95	91	728	11,114	23,597	2,123	1,658
46	42	94.374	12.459,621	199.780,849	16,034	15,569	96	92	423	6,183	12,484	2,019	1,553
47	43	93.948	11.869,248	187.321,228	15,782	15,316	97	93	234	3,274	6,301	1,924	1,459
48	44	93.475	11.300,874	175.451,980	15,526	15,060	98	94	123	1,646	3,026	1,838	1,372
49	45	92.963	10.755,092	164.151,106	15,263	14,797	99	95	61	0,784	1,380	1,760	1,294
							100	96	29	0,353	0,596	1,688	1,223

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 5 Jahre

Zinsfuß 4,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	45	92.546	10.245,761	154.353,953	15,065	14,600
1							51	46	91.942	9.740,498	144.108,193	14,795	14,329
2							52	47	91.301	9.256,106	134.367,695	14,517	14,051
3							53	48	90.589	8.788,446	125.111,588	14,236	13,770
4							54	49	89.829	8.339,418	116.323,142	13,949	13,483
5	0	99.452	79.805,390	1.731.007,569	21,690	21,225	55	50	89.004	7.907,042	107.983,724	13,657	13,191
6	1	99.061	76.068,408	1.651.202,179	21,707	21,241	56	51	88.115	7.490,934	100.076,682	13,360	12,894
7	2	99.014	72.758,184	1.575.133,771	21,649	21,183	57	52	87.182	7.092,467	92.585,749	13,054	12,588
8	3	98.982	69.602,695	1.502.375,587	21,585	21,119	58	53	86.166	6.707,982	85.493,281	12,745	12,279
9	4	98.953	66.586,099	1.432.772,892	21,518	21,052	59	54	85.076	6.337,872	78.785,299	12,431	11,965
10	5	98.931	63.704,563	1.366.186,793	21,446	20,980	60	55	83.888	5.980,326	72.447,428	12,114	11,649
11	6	98.909	60.947,608	1.302.482,229	21,371	20,905	61	56	82.630	5.636,943	66.467,102	11,791	11,326
12	7	98.886	58.309,271	1.241.534,621	21,292	20,827	62	57	81.310	5.308,017	60.830,159	11,460	10,994
13	8	98.864	55.786,199	1.183.225,351	21,210	20,744	63	58	79.856	4.988,658	55.522,143	11,130	10,664
14	9	98.842	53.371,877	1.127.439,151	21,124	20,659	64	59	78.323	4.682,192	50.533,485	10,793	10,327
15	10	98.817	51.060,845	1.074.067,274	21,035	20,569	65	60	76.695	4.387,437	45.851,292	10,451	9,985
16	11	98.786	48.846,418	1.023.006,429	20,943	20,478	66	61	74.938	4.102,270	41.463,855	10,108	9,642
17	12	98.738	46.720,699	974.160,010	20,851	20,385	67	62	73.090	3.828,834	37.361,585	9,758	9,292
18	13	98.680	44.682,347	927.439,311	20,756	20,291	68	63	71.074	3.562,911	33.532,751	9,412	8,946
19	14	98.596	42.721,655	882.756,964	20,663	20,197	69	64	68.922	3.306,242	29.969,839	9,065	8,599
20	15	98.505	40.844,280	840.035,310	20,567	20,101	70	65	66.656	3.059,852	26.663,597	8,714	8,248
21	16	98.412	39.048,742	799.191,030	20,466	20,001	71	66	64.226	2.821,351	23.603,746	8,366	7,901
22	17	98.314	37.330,011	760.142,288	20,363	19,897	72	67	61.641	2.591,156	20.782,395	8,021	7,555
23	18	98.219	35.687,711	722.812,278	20,254	19,788	73	68	58.866	2.367,964	18.191,239	7,682	7,217
24	19	98.117	34.115,792	687.124,567	20,141	19,675	74	69	55.936	2.153,196	15.823,275	7,349	6,883
25	20	98.019	32.613,960	653.008,774	20,022	19,557	75	70	52.878	1.947,824	13.670,078	7,018	6,553
26	21	97.916	31.176,852	620.394,814	19,899	19,434	76	71	49.716	1.752,498	11.722,254	6,689	6,223
27	22	97.823	29.805,677	589.217,962	19,769	19,303	77	72	46.470	1.567,539	9.969,757	6,360	5,895
28	23	97.726	28.494,065	559.412,285	19,633	19,167	78	73	43.134	1.392,367	8.402,218	6,034	5,569
29	24	97.629	27.239,897	530.918,220	19,490	19,025	79	74	39.691	1.226,031	7.009,851	5,718	5,252
30	25	97.534	26.041,476	503.678,323	19,341	18,876	80	75	36.204	1.070,179	5.783,820	5,405	4,939
31	26	97.438	24.895,740	477.636,847	19,185	18,720	81	76	32.645	923,407	4.713,641	5,105	4,639
32	27	97.334	23.798,197	452.741,107	19,024	18,559	82	77	29.097	787,612	3.790,234	4,812	4,347
33	28	97.226	22.748,105	428.942,910	18,856	18,391	83	78	25.508	660,733	3.002,622	4,544	4,079
34	29	97.112	21.742,971	406.194,805	18,682	18,216	84	79	22.060	546,808	2.341,889	4,283	3,817
35	30	96.991	20.780,714	384.451,834	18,500	18,035	85	80	18.802	445,979	1.795,081	4,025	3,559
36	31	96.858	19.858,536	363.671,120	18,313	17,847	86	81	15.807	358,807	1.349,102	3,760	3,294
37	32	96.714	18.975,151	343.812,584	18,119	17,653	87	82	12.949	281,268	990,295	3,521	3,055
38	33	96.563	18.129,653	324.837,432	17,917	17,452	88	83	10.293	213,954	709,026	3,314	2,848
39	34	96.391	17.318,122	306.707,779	17,710	17,245	89	84	7.974	158,613	495,072	3,121	2,656
40	35	96.197	16.539,065	289.389,657	17,497	17,032	90	85	6.015	114,488	336,459	2,939	2,473
41	36	95.982	15.791,511	272.850,592	17,278	16,813	91	86	4.427	80,636	221,971	2,753	2,287
42	37	95.746	15.074,258	257.059,081	17,053	16,587	92	87	3.134	54,626	141,335	2,587	2,122
43	38	95.476	14.384,486	241.984,822	16,823	16,357	93	88	2.129	35,510	86,709	2,442	1,976
44	39	95.173	13.721,378	227.600,336	16,587	16,122	94	89	1.391	22,203	51,199	2,306	1,840
45	40	94.842	13.084,798	213.878,959	16,346	15,880	95	90	870	13,285	28,996	2,183	1,717
46	41	94.468	12.471,949	200.794,161	16,100	15,634	96	91	521	7,609	15,711	2,065	1,599
47	42	94.054	11.882,612	188.322,212	15,849	15,383	97	92	295	4,121	8,102	1,966	1,500
48	43	93.596	11.315,562	176.439,600	15,593	15,127	98	93	159	2,122	3,981	1,876	1,411
49	44	93.093	10.770,085	165.124,038	15,332	14,866	99	94	81	1,036	1,859	1,795	1,329
							100	95	39	0,479	0,823	1,720	1,255

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 6 Jahre

Zinsfuß 4,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	44	92.675	10.260,043	155.235,779	15,130	14,665
1							51	45	92.088	9.755,971	144.975,736	14,860	14,395
2							52	46	91.465	9.272,760	135.219,765	14,582	14,117
3							53	47	90.766	8.805,570	125.947,005	14,303	13,837
4							54	48	90.020	8.357,135	117.141,435	14,017	13,551
5							55	49	89.219	7.926,118	108.784,300	13,725	13,259
6	0	99.438	76.358,336	1.652.723,137	21,644	21,179	56	50	88.338	7.509,908	100.858,182	13,430	12,964
7	1	99.049	72.784,251	1.576.364,801	21,658	21,192	57	51	87.425	7.112,220	93.348,274	13,125	12,659
8	2	99.002	69.616,459	1.503.580,550	21,598	21,132	58	52	86.427	6.728,323	86.236,054	12,817	12,351
9	3	98.970	66.597,530	1.433.964,091	21,532	21,066	59	53	85.345	6.357,947	79.507,731	12,505	12,040
10	4	98.944	63.712,792	1.367.366,560	21,461	20,996	60	54	84.181	6.001,199	73.149,784	12,189	11,724
11	5	98.922	60.955,576	1.303.653,768	21,387	20,921	61	55	82.944	5.658,370	67.148,585	11,867	11,402
12	6	98.895	58.314,644	1.242.698,191	21,310	20,845	62	56	81.637	5.329,413	61.490,215	11,538	11,072
13	7	98.873	55.791,058	1.184.383,547	21,229	20,763	63	57	80.214	5.011,023	56.160,802	11,207	10,742
14	8	98.851	53.377,001	1.128.592,489	21,144	20,678	64	58	78.702	4.704,849	51.149,779	10,872	10,406
15	9	98.824	51.064,144	1.075.215,488	21,056	20,591	65	59	77.087	4.409,856	46.444,930	10,532	10,066
16	10	98.794	48.850,526	1.024.151,344	20,965	20,499	66	60	75.352	4.124,975	42.035,074	10,190	9,725
17	11	98.748	46.725,081	975.300,817	20,873	20,408	67	61	73.504	3.850,502	37.910,099	9,845	9,380
18	12	98.688	44.686,142	928.575,736	20,780	20,314	68	62	71.524	3.585,474	34.059,596	9,499	9,034
19	13	98.605	42.725,794	883.889,594	20,687	20,222	69	63	69.394	3.328,885	30.474,122	9,154	8,689
20	14	98.516	40.849,040	841.163,800	20,592	20,126	70	64	67.147	3.082,393	27.145,238	8,807	8,341
21	15	98.430	39.055,720	800.314,760	20,492	20,026	71	65	64.755	2.844,584	24.062,845	8,459	7,994
22	16	98.335	37.337,918	761.259,040	20,388	19,923	72	66	62.204	2.614,837	21.218,261	8,115	7,649
23	17	98.240	35.695,565	723.921,123	20,280	19,815	73	67	59.470	2.392,281	18.603,424	7,776	7,311
24	18	98.146	34.125,607	688.225,558	20,167	19,702	74	68	56.583	2.178,109	16.211,143	7,443	6,977
25	19	98.046	32.623,003	654.099,951	20,050	19,585	75	69	53.561	1.972,996	14.033,034	7,113	6,647
26	20	97.947	31.186,703	621.476,948	19,928	19,462	76	70	50.433	1.777,766	12.060,038	6,784	6,318
27	21	97.846	29.812,972	590.290,245	19,800	19,334	77	71	47.236	1.593,371	10.282,272	6,453	5,988
28	22	97.753	28.501,782	560.477,274	19,665	19,199	78	72	43.926	1.417,931	8.688,901	6,128	5,662
29	23	97.654	27.247,006	531.975,492	19,524	19,059	79	73	40.516	1.251,527	7.270,970	5,810	5,344
30	24	97.560	26.048,553	504.728,486	19,376	18,911	80	74	37.048	1.095,106	6.019,442	5,497	5,031
31	25	97.462	24.901,867	478.679,933	19,223	18,757	81	75	33.514	947,986	4.924,337	5,195	4,729
32	26	97.361	23.804,861	453.778,066	19,062	18,597	82	76	29.964	811,092	3.976,351	4,902	4,437
33	27	97.254	22.754,737	429.973,205	18,896	18,430	83	77	26.366	682,951	3.165,259	4,635	4,169
34	28	97.141	21.749,427	407.218,468	18,723	18,258	84	78	22.909	567,854	2.482,308	4,371	3,906
35	29	97.019	20.786,798	385.469,041	18,544	18,078	85	79	19.627	465,564	1.914,454	4,112	3,647
36	30	96.889	19.865,040	364.682,243	18,358	17,892	86	80	16.617	377,181	1.448,890	3,841	3,376
37	31	96.748	18.981,932	344.817,203	18,166	17,700	87	81	13.714	297,873	1.071,710	3,598	3,132
38	32	96.597	18.136,102	325.835,271	17,966	17,500	88	82	11.004	228,736	773,836	3,383	2,917
39	33	96.429	17.325,044	307.699,168	17,760	17,295	89	83	8.590	170,856	545,100	3,190	2,725
40	34	96.242	16.546,823	290.374,124	17,549	17,083	90	84	6.540	124,493	374,244	3,006	2,541
41	35	96.032	15.799,600	273.827,301	17,331	16,866	91	85	4.848	88,303	249,751	2,828	2,363
42	36	95.800	15.082,787	258.027,701	17,107	16,642	92	86	3.485	60,751	161,449	2,658	2,192
43	37	95.535	14.393,312	242.944,914	16,879	16,413	93	87	2.413	40,255	100,698	2,501	2,036
44	38	95.240	13.730,983	228.551,602	16,645	16,179	94	88	1.602	25,565	60,443	2,364	1,899
45	39	94.918	13.095,278	214.820,619	16,404	15,939	95	89	1.021	15,597	34,878	2,236	1,771
46	40	94.550	12.482,809	201.725,342	16,160	15,695	96	90	622	9,096	19,280	2,120	1,654
47	41	94.147	11.894,369	189.242,533	15,910	15,445	97	91	363	5,071	10,184	2,008	1,543
48	42	93.702	11.328,302	177.348,163	15,655	15,190	98	92	199	2,670	5,113	1,915	1,449
49	43	93.214	10.784,082	166.019,861	15,395	14,929	99	93	104	1,335	2,443	1,830	1,364
							100	94	52	0,632	1,108	1,753	1,287

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 7 Jahre

Zinsfuß 4,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	43	92.796	10.273,378	156.047,133	15,189	14,724
1							51	44	92.216	9.769,570	145.773,756	14,921	14,456
2							52	45	91.611	9.287,490	136.004,185	14,644	14,178
3							53	46	90.929	8.821,413	126.716,695	14,365	13,899
4							54	47	90.195	8.373,418	117.895,282	14,080	13,614
5							55	48	89.408	7.942,956	109.521,864	13,789	13,323
6							56	49	88.551	7.528,026	101.578,908	13,493	13,028
7	0	99.427	73.061,662	1.577.773,948	21,595	21,129	57	50	87.646	7.130,235	94.050,882	13,190	12,725
8	1	99.037	69.641,401	1.504.712,287	21,607	21,141	58	51	86.668	6.747,061	86.920,647	12,883	12,417
9	2	98.990	66.610,700	1.435.070,886	21,544	21,079	59	52	85.604	6.377,227	80.173,585	12,572	12,106
10	3	98.961	63.723,730	1.368.460,186	21,475	21,009	60	53	84.448	6.020,208	73.796,358	12,258	11,792
11	4	98.935	60.963,450	1.304.736,455	21,402	20,936	61	54	83.234	5.678,120	67.776,150	11,936	11,471
12	5	98.908	58.322,268	1.243.773,005	21,326	20,860	62	55	81.948	5.349,671	62.098,030	11,608	11,142
13	6	98.882	55.796,200	1.185.450,737	21,246	20,780	63	56	80.538	5.031,222	56.748,359	11,279	10,814
14	7	98.860	53.381,650	1.129.654,537	21,162	20,696	64	57	79.055	4.725,942	51.717,137	10,943	10,478
15	8	98.833	51.069,047	1.076.272,887	21,075	20,609	65	58	77.460	4.431,195	46.991,196	10,605	10,139
16	9	98.800	48.853,683	1.025.203,841	20,985	20,520	66	59	75.737	4.146,053	42.560,001	10,265	9,800
17	10	98.756	46.729,010	976.350,158	20,894	20,428	67	60	73.910	3.871,814	38.413,948	9,921	9,456
18	11	98.698	44.690,333	929.621,147	20,801	20,336	68	61	71.929	3.605,765	34.542,134	9,580	9,114
19	12	98.614	42.729,423	884.930,814	20,710	20,244	69	62	69.834	3.349,966	30.936,369	9,235	8,769
20	13	98.526	40.852,998	842.201,391	20,615	20,150	70	63	67.607	3.103,502	27.586,404	8,889	8,423
21	14	98.441	39.060,271	801.348,393	20,516	20,050	71	64	65.232	2.865,539	24.482,901	8,544	8,078
22	15	98.353	37.344,590	762.288,122	20,412	19,947	72	65	62.716	2.636,370	21.617,362	8,200	7,734
23	16	98.261	35.703,126	724.943,531	20,305	19,839	73	66	60.014	2.414,145	18.980,993	7,862	7,397
24	17	98.167	34.133,117	689.240,406	20,193	19,727	74	67	57.164	2.200,477	16.566,847	7,529	7,063
25	18	98.075	32.632,388	655.107,289	20,075	19,610	75	68	54.181	1.995,823	14.366,371	7,198	6,733
26	19	97.975	31.195,350	622.474,901	19,954	19,488	76	69	51.085	1.800,740	12.370,548	6,870	6,404
27	20	97.877	29.822,391	591.279,551	19,827	19,361	77	70	47.917	1.616,345	10.569,807	6,539	6,074
28	21	97.776	28.508,757	561.457,159	19,694	19,229	78	71	44.650	1.441,298	8.953,462	6,212	5,746
29	22	97.681	27.254,385	532.948,402	19,555	19,089	79	72	41.260	1.274,506	7.512,165	5,894	5,429
30	23	97.586	26.055,351	505.694,018	19,408	18,943	80	73	37.818	1.117,880	6.237,659	5,580	5,114
31	24	97.489	24.908,634	479.638,667	19,256	18,790	81	74	34.294	970,066	5.119,779	5,278	4,812
32	25	97.385	23.810,720	454.730,033	19,098	18,632	82	75	30.762	832,681	4.149,713	4,984	4,518
33	26	97.282	22.761,109	430.919,312	18,932	18,467	83	76	27.152	703,311	3.317,032	4,716	4,251
34	27	97.169	21.755,767	408.158,203	18,761	18,295	84	77	23.679	586,949	2.613,722	4,453	3,987
35	28	97.048	20.792,970	386.402,436	18,583	18,118	85	78	20.383	483,483	2.026,773	4,192	3,726
36	29	96.918	19.870,857	365.609,466	18,399	17,934	86	79	17.347	393,744	1.543,290	3,920	3,454
37	30	96.780	18.988,149	345.738,609	18,208	17,743	87	80	14.416	313,127	1.149,546	3,671	3,206
38	31	96.631	18.142,583	326.750,460	18,010	17,545	88	81	11.654	242,240	836,419	3,453	2,987
39	32	96.464	17.331,207	308.607,877	17,806	17,341	89	82	9.183	182,660	594,179	3,253	2,787
40	33	96.281	16.553,437	291.276,670	17,596	17,131	90	83	7.045	134,102	411,519	3,069	2,603
41	34	96.077	15.807,011	274.723,233	17,380	16,914	91	84	5.272	96,019	277,416	2,889	2,424
42	35	95.849	15.090,513	258.916,223	17,158	16,692	92	85	3.817	66,527	181,398	2,727	2,261
43	36	95.589	14.401,456	243.825,710	16,931	16,465	93	86	2.684	44,769	114,871	2,566	2,100
44	37	95.298	13.739,408	229.424,254	16,698	16,233	94	87	1.816	28,981	70,102	2,419	1,953
45	38	94.984	13.104,444	215.684,847	16,459	15,993	95	88	1.176	17,959	41,121	2,290	1,824
46	39	94.626	12.492,806	202.580,402	16,216	15,750	96	89	731	10,679	23,162	2,169	1,703
47	40	94.229	11.904,726	190.087,596	15,967	15,502	97	90	433	6,062	12,483	2,059	1,594
48	41	93.794	11.339,511	178.182,869	15,713	15,248	98	91	245	3,286	6,421	1,954	1,488
49	42	93.319	10.796,225	166.843,358	15,454	14,988	99	92	131	1,680	3,135	1,866	1,400
							100	93	66	0,815	1,455	1,786	1,320

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 8 Jahre

Zinsfuß 4,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	42	92.900	10.284,945	156.792,523	15,245	14,779
1							51	43	92.336	9.782,268	146.507,578	14,977	14,511
2							52	44	91.738	9.300,436	136.725,310	14,701	14,235
3							53	45	91.073	8.835,426	127.424,873	14,422	13,956
4							54	46	90.357	8.388,483	118.589,447	14,137	13,672
5							55	47	89.583	7.958,433	110.200,964	13,847	13,381
6							56	48	88.739	7.544,019	102.242,531	13,553	13,087
7							57	49	87.858	7.147,437	94.698,512	13,249	12,784
8	0	99.415	69.906,833	1.506.017,720	21,543	21,078	58	50	86.888	6.764,152	87.551,075	12,943	12,478
9	1	99.025	66.634,565	1.436.110,887	21,552	21,086	59	51	85.842	6.394,987	80.786,923	12,633	12,167
10	2	98.981	63.736,332	1.369.476,322	21,487	21,021	60	52	84.704	6.038,464	74.391,936	12,320	11,854
11	3	98.952	60.973,916	1.305.739,991	21,415	20,949	61	53	83.497	5.696,106	68.353,472	12,000	11,534
12	4	98.920	58.329,802	1.244.766,075	21,340	20,875	62	54	82.234	5.368,344	62.657,366	11,672	11,206
13	5	98.895	55.803,494	1.186.436,273	21,261	20,795	63	55	80.844	5.050,347	57.289,023	11,344	10,878
14	6	98.869	53.386,569	1.130.632,778	21,178	20,713	64	56	79.374	4.744,991	52.238,676	11,009	10,544
15	7	98.842	51.073,495	1.077.246,209	21,092	20,626	65	57	77.808	4.451,060	47.493,685	10,670	10,205
16	8	98.810	48.858,373	1.026.172,714	21,003	20,537	66	58	76.104	4.166,115	43.042,625	10,332	9,866
17	9	98.762	46.732,030	977.314,341	20,913	20,448	67	59	74.288	3.891,598	38.876,509	9,990	9,524
18	10	98.706	44.694,091	930.582,311	20,821	20,356	68	60	72.327	3.625,722	34.984,911	9,649	9,183
19	11	98.623	42.733,431	885.888,220	20,731	20,265	69	61	70.229	3.368,924	31.359,189	9,308	8,843
20	12	98.534	40.856,468	843.154,789	20,637	20,171	70	62	68.035	3.123,156	27.990,266	8,962	8,497
21	13	98.451	39.064,056	802.298,321	20,538	20,072	71	63	65.679	2.885,164	24.867,110	8,619	8,153
22	14	98.364	37.348,942	763.234,265	20,435	19,970	72	64	63.178	2.655,791	21.981,946	8,277	7,811
23	15	98.279	35.709,506	725.885,323	20,328	19,862	73	65	60.508	2.434,025	19.326,155	7,940	7,474
24	16	98.188	34.140,347	690.175,817	20,216	19,750	74	66	57.686	2.220,587	16.892,131	7,607	7,141
25	17	98.096	32.639,570	656.035,470	20,099	19,634	75	67	54.737	2.016,319	14.671,543	7,276	6,811
26	18	98.003	31.204,324	623.395,900	19,978	19,512	76	68	51.676	1.821,575	12.655,224	6,947	6,482
27	19	97.905	29.830,661	592.191,576	19,852	19,386	77	69	48.536	1.637,233	10.833,649	6,617	6,151
28	20	97.807	28.517,765	562.360,916	19,720	19,254	78	70	45.294	1.462,079	9.196,416	6,290	5,824
29	21	97.705	27.261,055	533.843,151	19,583	19,117	79	71	41.940	1.295,509	7.734,337	5,970	5,505
30	22	97.612	26.062,407	506.582,097	19,437	18,972	80	72	38.512	1.138,404	6.438,828	5,656	5,190
31	23	97.514	24.915,135	480.519,689	19,286	18,821	81	73	35.007	990,240	5.300,424	5,353	4,887
32	24	97.412	23.817,191	455.604,555	19,129	18,664	82	74	31.478	852,076	4.310,185	5,058	4,593
33	25	97.306	22.766,711	431.787,364	18,966	18,500	83	75	27.875	722,031	3.458,109	4,789	4,324
34	26	97.196	21.761,859	409.020,652	18,795	18,330	84	76	24.385	604,447	2.736,078	4,527	4,061
35	27	97.076	20.799,032	387.258,793	18,619	18,153	85	77	21.068	499,741	2.131,631	4,265	3,800
36	28	96.946	19.876,756	366.459,761	18,437	17,971	86	78	18.014	408,899	1.631,891	3,991	3,525
37	29	96.808	18.993,709	346.583,005	18,247	17,782	87	79	15.049	326,877	1.222,992	3,741	3,276
38	30	96.663	18.148,525	327.589,296	18,050	17,585	88	80	12.251	254,645	896,115	3,519	3,053
39	31	96.498	17.337,400	309.440,771	17,848	17,383	89	81	9.725	193,444	641,470	3,316	2,850
40	32	96.315	16.559,325	292.103,371	17,640	17,174	90	82	7.532	143,367	448,026	3,125	2,659
41	33	96.115	15.813,329	275.544,046	17,425	16,959	91	83	5.678	103,430	304,659	2,946	2,480
42	34	95.894	15.097,591	259.730,717	17,203	16,738	92	84	4.150	72,340	201,229	2,782	2,316
43	35	95.638	14.408,832	244.633,126	16,978	16,512	93	85	2.939	49,025	128,889	2,629	2,163
44	36	95.352	13.747,181	230.224,294	16,747	16,281	94	86	2.019	32,231	79,863	2,478	2,012
45	37	95.043	13.112,485	216.477,112	16,509	16,044	95	87	1.333	20,359	47,633	2,340	1,874
46	38	94.692	12.501,551	203.364,627	16,267	15,802	96	88	841	12,296	27,273	2,218	1,752
47	39	94.305	11.914,261	190.863,076	16,020	15,554	97	89	509	7,117	14,977	2,104	1,639
48	40	93.876	11.349,385	178.948,815	15,767	15,302	98	90	293	3,928	7,860	2,001	1,536
49	41	93.411	10.806,907	167.599,430	15,509	15,043	99	91	161	2,068	3,932	1,902	1,436
							100	92	84	1,025	1,865	1,819	1,353

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 9 Jahre

Zinsfuß 4,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	41	92.992	10.295,122	157.476,534	15,296	14,831
1							51	42	92.440	9.793,282	147.181,412	15,029	14,563
2							52	43	91.857	9.312,524	137.388,130	14,753	14,287
3							53	44	91.200	8.847,742	128.075,606	14,476	14,010
4							54	45	90.501	8.401,809	119.227,864	14,191	13,725
5							55	46	89.744	7.972,751	110.826,055	13,901	13,435
6							56	47	88.912	7.558,718	102.853,304	13,607	13,142
7							57	48	88.044	7.162,621	95.294,585	13,304	12,839
8							58	49	87.097	6.780,471	88.131,964	12,998	12,532
9	0	99.403	66.888,536	1.437.320,251	21,488	21,023	59	50	86.060	6.411,186	81.351,493	12,689	12,223
10	1	99.016	63.759,167	1.370.431,714	21,494	21,028	60	51	84.940	6.055,281	74.940,308	12,376	11,910
11	2	98.971	60.985,974	1.306.672,548	21,426	20,960	61	52	83.750	5.713,379	68.885,027	12,057	11,591
12	3	98.937	58.339,816	1.245.686,574	21,352	20,887	62	53	82.494	5.385,348	63.171,648	11,730	11,265
13	4	98.908	55.810,703	1.187.346,758	21,275	20,809	63	54	81.126	5.067,974	57.786,300	11,402	10,937
14	5	98.882	53.393,549	1.131.536,056	21,192	20,727	64	55	79.676	4.763,028	52.718,326	11,068	10,603
15	6	98.851	51.078,201	1.078.142,507	21,108	20,642	65	56	78.121	4.469,002	47.955,298	10,731	10,265
16	7	98.818	48.862,629	1.027.064,305	21,019	20,554	66	57	76.445	4.184,793	43.486,296	10,392	9,926
17	8	98.772	46.736,516	978.201,677	20,930	20,465	67	58	74.648	3.910,429	39.301,503	10,050	9,585
18	9	98.712	44.696,980	931.465,160	20,840	20,374	68	59	72.697	3.644,248	35.391,074	9,711	9,246
19	10	98.631	42.737,025	886.768,181	20,749	20,284	69	60	70.617	3.387,570	31.746,826	9,372	8,906
20	11	98.543	40.860,300	844.031,156	20,657	20,191	70	61	68.420	3.140,830	28.359,256	9,029	8,564
21	12	98.459	39.067,374	803.170,857	20,559	20,093	71	62	66.095	2.903,435	25.218,426	8,686	8,220
22	13	98.374	37.352,561	764.103,482	20,457	19,991	72	63	63.611	2.673,979	22.314,991	8,345	7,880
23	14	98.290	35.713,667	726.750,921	20,349	19,884	73	64	60.954	2.451,956	19.641,012	8,010	7,545
24	15	98.206	34.146,448	691.037,253	20,237	19,772	74	65	58.161	2.238,873	17.189,057	7,678	7,212
25	16	98.117	32.646,483	656.890,806	20,121	19,656	75	66	55.237	2.034,747	14.950,183	7,347	6,882
26	17	98.024	31.211,191	624.244,323	20,001	19,535	76	67	52.206	1.840,281	12.915,436	7,018	6,553
27	18	97.933	29.839,242	593.033,131	19,874	19,409	77	68	49.098	1.656,176	11.075,155	6,687	6,222
28	19	97.834	28.525,672	563.193,889	19,743	19,278	78	69	45.879	1.480,974	9.418,980	6,360	5,894
29	20	97.735	27.269,668	534.668,217	19,607	19,141	79	70	42.545	1.314,188	7.938,006	6,040	5,575
30	21	97.636	26.068,785	507.398,549	19,464	18,998	80	71	39.147	1.157,164	6.623,818	5,724	5,259
31	22	97.541	24.921,882	481.329,764	19,314	18,848	81	72	35.650	1.008,420	5.466,654	5,421	4,955
32	23	97.437	23.823,407	456.407,882	19,158	18,692	82	73	32.133	869,795	4.458,233	5,126	4,660
33	24	97.332	22.772,898	432.584,475	18,996	18,530	83	74	28.524	738,849	3.588,438	4,857	4,391
34	25	97.220	21.767,215	409.811,577	18,827	18,361	84	75	25.034	620,535	2.849,589	4,592	4,127
35	26	97.104	20.804,856	388.044,362	18,652	18,186	85	76	21.696	514,639	2.229,054	4,331	3,866
36	27	96.975	19.882,551	367.239,505	18,470	18,005	86	77	18.620	422,649	1.714,415	4,056	3,591
37	28	96.837	18.999,348	347.356,954	18,283	17,817	87	78	15.628	339,458	1.291,766	3,805	3,340
38	29	96.691	18.153,839	328.357,606	18,088	17,622	88	79	12.789	265,827	952,308	3,582	3,117
39	30	96.530	17.343,079	310.203,768	17,886	17,421	89	80	10.223	203,350	686,481	3,376	2,910
40	31	96.349	16.565,242	292.860,689	17,679	17,214	90	81	7.977	151,831	483,131	3,182	2,716
41	32	96.149	15.818,954	276.295,447	17,466	17,000	91	82	6.071	110,576	331,300	2,996	2,531
42	33	95.932	15.103,626	260.476,493	17,246	16,780	92	83	4.471	77,924	220,724	2,833	2,367
43	34	95.683	14.415,591	245.372,867	17,021	16,556	93	84	3.196	53,309	142,800	2,679	2,213
44	35	95.401	13.754,223	230.957,276	16,792	16,326	94	85	2.211	35,295	89,491	2,536	2,070
45	36	95.096	13.119,904	217.203,053	16,555	16,090	95	86	1.482	22,642	54,196	2,394	1,928
46	37	94.750	12.509,222	204.083,149	16,315	15,849	96	87	954	13,939	31,554	2,264	1,798
47	38	94.371	11.922,601	191.573,927	16,068	15,603	97	88	586	8,195	17,615	2,149	1,684
48	39	93.951	11.358,475	179.651,326	15,817	15,351	98	89	345	4,611	9,420	2,043	1,577
49	40	93.493	10.816,317	168.292,851	15,559	15,094	99	90	193	2,472	4,808	1,946	1,480
							100	91	103	1,262	2,337	1,852	1,386

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 10 Jahre

Zinsfuß 4,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	40	93,073	10.304,086	158.103,608	15,344	14,878
1							51	41	92,531	9.802,972	147.799,522	15,077	14,611
2							52	42	91,961	9.323,010	137.996,549	14,802	14,336
3							53	43	91,319	8.859,242	128.673,540	14,524	14,059
4							54	44	90,627	8.413,521	119.814,298	14,241	13,775
5							55	45	89,886	7.985,416	111.400,777	13,951	13,485
6							56	46	89,072	7.572,318	103.415,361	13,657	13,191
7							57	47	88,216	7.176,577	95.843,043	13,355	12,889
8							58	48	87,282	6.794,875	88.666,466	13,049	12,583
9							59	49	86,267	6.426,653	81.871,591	12,739	12,274
10	0	99,393	64.002,179	1.371.552,193	21,430	20,964	60	50	85,155	6.070,619	75.444,938	12,428	11,962
11	1	99,007	61.007,823	1.307.550,015	21,432	20,967	61	51	83,984	5.729,290	69.374,319	12,109	11,643
12	2	98,957	58.351,352	1.246.542,191	21,363	20,897	62	52	82,744	5.401,678	63.645,029	11,782	11,317
13	3	98,924	55.820,284	1.188.190,839	21,286	20,820	63	53	81,383	5.084,027	58.243,350	11,456	10,991
14	4	98,895	53.400,446	1.132.370,555	21,205	20,740	64	54	79,954	4.779,653	53.159,323	11,122	10,656
15	5	98,864	51.084,879	1.078.970,109	21,121	20,656	65	55	78,418	4.485,990	48.379,670	10,785	10,319
16	6	98,827	48.867,132	1.027.885,230	21,034	20,569	66	56	76,753	4.201,661	43.893,680	10,447	9,981
17	7	98,780	46.740,587	979.018,098	20,946	20,480	67	57	74,982	3.927,960	39.692,019	10,105	9,639
18	8	98,722	44.701,271	932.277,511	20,856	20,390	68	58	73,049	3.661,883	35.764,059	9,767	9,301
19	9	98,637	42.739,786	887.576,241	20,767	20,301	69	59	70,978	3.404,879	32.102,176	9,428	8,963
20	10	98,552	40.863,736	844.836,454	20,674	20,209	70	60	68,799	3.158,214	28.697,297	9,087	8,621
21	11	98,468	39.071,038	803.972,718	20,577	20,112	71	61	66,469	2.919,866	25.539,083	8,747	8,281
22	12	98,382	37.355,734	764.901,680	20,476	20,011	72	62	64,014	2.690,912	22.619,217	8,406	7,940
23	13	98,299	35.717,128	727.545,946	20,370	19,904	73	63	61,371	2.468,748	19.928,305	8,072	7,607
24	14	98,217	34.150,427	691.828,818	20,258	19,793	74	64	58,590	2.253,366	17.459,557	7,741	7,276
25	15	98,134	32.652,317	657.678,391	20,142	19,676	75	65	55,692	2.051,502	15.204,191	7,411	6,946
26	16	98,045	31.217,803	625.026,074	20,021	19,556	76	66	52,683	1.857,100	13.152,689	7,082	6,617
27	17	97,954	29.845,809	593.808,271	19,896	19,430	77	67	49,602	1.673,184	11.295,588	6,751	6,285
28	18	97,863	28.533,878	563.962,463	19,765	19,299	78	68	46,410	1.498,108	9.622,405	6,423	5,957
29	19	97,763	27.277,229	535.428,585	19,629	19,164	79	69	43,094	1.331,171	8.124,297	6,103	5,638
30	20	97,667	26.077,022	508.151,355	19,487	19,021	80	70	39,711	1.173,849	6.793,125	5,787	5,321
31	21	97,565	24.927,981	482.074,333	19,339	18,873	81	71	36,238	1.025,039	5.619,276	5,482	5,016
32	22	97,464	23.829,858	457.146,352	19,184	18,718	82	72	32,723	885,765	4.594,238	5,187	4,721
33	23	97,357	22.778,841	433.316,494	19,023	18,557	83	73	29,117	754,214	3.708,473	4,917	4,451
34	24	97,247	21.773,131	410.537,652	18,855	18,390	84	74	25,617	634,989	2.954,259	4,652	4,187
35	25	97,127	20.809,977	388.764,522	18,682	18,216	85	75	22,274	528,337	2.319,270	4,390	3,924
36	26	97,002	19.888,119	367.954,545	18,501	18,036	86	76	19,175	435,248	1.790,933	4,115	3,649
37	27	96,865	19.004,887	348.066,426	18,315	17,849	87	77	16,154	350,873	1.355,685	3,864	3,398
38	28	96,720	18.159,229	329.061,539	18,121	17,655	88	78	13,281	276,058	1.004,811	3,640	3,174
39	29	96,558	17.348,156	310.902,310	17,921	17,456	89	79	10,672	212,280	728,753	3,433	2,967
40	30	96,381	16.570,668	293.554,154	17,715	17,250	90	80	8,385	159,606	516,473	3,236	2,770
41	31	96,184	15.824,607	276.983,486	17,503	17,038	91	81	6,429	117,104	356,868	3,047	2,582
42	32	95,967	15.108,998	261.158,879	17,285	16,819	92	82	4,780	83,308	239,763	2,878	2,412
43	33	95,721	14.421,353	246.049,881	17,061	16,596	93	83	3,443	57,424	156,456	2,725	2,259
44	34	95,446	13.760,674	231.628,528	16,833	16,367	94	84	2,405	38,379	99,032	2,580	2,115
45	35	95,145	13.126,624	217.867,854	16,597	16,132	95	85	1,623	24,795	60,652	2,446	1,981
46	36	94,804	12.516,300	204.741,230	16,358	15,892	96	86	1,061	15,502	35,858	2,313	1,847
47	37	94,428	11.929,917	192.224,930	16,113	15,647	97	87	664	9,290	20,356	2,191	1,726
48	38	94,017	11.366,426	180.295,013	15,862	15,396	98	88	397	5,310	11,066	2,084	1,618
49	39	93,568	10.824,980	168.928,588	15,605	15,140	99	89	227	2,902	5,756	1,984	1,518
							100	90	123	1,508	2,854	1,892	1,427

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 11 Jahre

Zinsfuß 4,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	39	93.148	10.312,339	158.678,345	15,387	14,922
1							51	40	92.612	9.811,508	148.366,006	15,122	14,656
2							52	41	92.052	9.332,234	138.554,498	14,847	14,381
3							53	42	91.422	8.869,217	129.222,264	14,570	14,104
4							54	43	90.745	8.424,456	120.353,047	14,286	13,821
5							55	44	90.012	7.996,548	111.928,592	13,997	13,532
6							56	45	89.213	7.584,347	103.932,044	13,703	13,238
7							57	46	88.374	7.189,489	96.347,697	13,401	12,936
8							58	47	87.452	6.808,115	89.158,208	13,096	12,630
9							59	48	86.451	6.440,306	82.350,093	12,787	12,321
10							60	49	85.360	6.085,264	75.909,787	12,474	12,009
11	0	99.384	61.240,349	1.308.588,326	21,368	20,902	61	50	84.196	5.743,803	69.824,523	12,156	11,691
12	1	98.992	58.372,258	1.247.347,977	21,369	20,903	62	51	82.975	5.416,722	64.080,720	11,830	11,365
13	2	98.944	55.831,323	1.188.975,719	21,296	20,830	63	52	81.630	5.099,444	58.663,998	11,504	11,038
14	3	98.912	53.409,614	1.133.144,397	21,216	20,750	64	53	80.207	4.794,793	53.564,554	11,171	10,706
15	4	98.876	51.091,478	1.079.734,783	21,133	20,668	65	54	78.692	4.501,648	48.769,761	10,834	10,368
16	5	98.840	48.873,520	1.028.643,305	21,047	20,581	66	55	77.045	4.217,633	44.268,114	10,496	10,030
17	6	98.790	46.744,894	979.769,785	20,960	20,494	67	56	75.285	3.943,793	40.050,481	10,155	9,690
18	7	98.730	44.705,164	933.024,890	20,871	20,405	68	57	73.376	3.678,299	36.106,688	9,816	9,351
19	8	98.647	42.743,889	888.319,726	20,782	20,317	69	58	71.322	3.421,355	32.428,389	9,478	9,013
20	9	98.558	40.866,377	845.575,837	20,691	20,226	70	59	69.151	3.174,352	29.007,033	9,138	8,672
21	10	98.477	39.074,324	804.709,460	20,594	20,129	71	60	66.837	2.936,026	25.832,682	8,799	8,333
22	11	98.391	37.359,237	765.635,136	20,494	20,028	72	61	64.376	2.706,141	22.896,655	8,461	7,995
23	12	98.308	35.720,162	728.275,899	20,388	19,923	73	62	61.760	2.484,381	20.190,514	8,127	7,661
24	13	98.227	34.153,736	692.555,737	20,278	19,812	74	63	58.991	2.270,812	17.706,133	7,797	7,332
25	14	98.146	32.656,123	658.402,001	20,162	19,696	75	64	56.102	2.066,615	15.435,321	7,469	7,003
26	15	98.063	31.223,381	625.745,878	20,041	19,575	76	65	53.117	1.872,393	13.368,706	7,140	6,674
27	16	97.975	29.852,131	594.522,497	19,916	19,450	77	66	50.055	1.688,476	11.496,313	6,809	6,343
28	17	97.884	28.540,158	564.670,367	19,785	19,320	78	67	46.887	1.513,493	9.807,837	6,480	6,015
29	18	97.791	27.285,076	536.130,209	19,649	19,184	79	68	43.593	1.346,573	8.294,345	6,160	5,694
30	19	97.694	26.084,253	508.845,133	19,508	19,042	80	69	40.225	1.189,019	6.947,772	5,843	5,378
31	20	97.595	24.935,857	482.760,880	19,360	18,894	81	70	36.760	1.039,818	5.758,753	5,538	5,073
32	21	97.488	23.835,690	457.825,023	19,208	18,742	82	71	33.262	900,362	4.718,935	5,241	4,776
33	22	97.384	22.785,010	433.989,333	19,047	18,582	83	72	29.652	768,061	3.818,573	4,972	4,506
34	23	97.272	21.778,813	411.204,322	18,881	18,415	84	73	26.150	648,194	3.050,512	4,706	4,241
35	24	97.154	20.815,632	389.425,509	18,708	18,243	85	74	22.793	540,643	2.402,318	4,443	3,978
36	25	97.026	19.893,014	368.609,877	18,530	18,064	86	75	19.686	446,834	1.861,675	4,166	3,701
37	26	96.892	19.010,209	348.716,864	18,344	17,878	87	76	16.635	361,333	1.414,841	3,916	3,450
38	27	96.748	18.164,523	329.706,655	18,151	17,686	88	77	13.728	285,341	1.053,508	3,692	3,226
39	28	96.587	17.353,307	311.542,132	17,953	17,487	89	78	11.083	220,450	768,167	3,485	3,019
40	29	96.409	16.575,520	294.188,825	17,748	17,283	90	79	8.753	166,615	547,717	3,287	2,822
41	30	96.215	15.829,790	277.613,305	17,537	17,072	91	80	6.758	123,101	381,102	3,096	2,630
42	31	96.001	15.114,397	261.783,516	17,320	16,855	92	81	5.062	88,226	258,001	2,924	2,459
43	32	95.755	14.426,483	246.669,118	17,098	16,633	93	82	3.681	61,391	169,775	2,765	2,300
44	33	95.484	13.766,175	232.242,636	16,871	16,405	94	83	2.590	41,342	108,384	2,622	2,156
45	34	95.190	13.132,781	218.476,461	16,636	16,170	95	84	1.765	26,962	67,042	2,487	2,021
46	35	94.852	12.522,711	205.343,680	16,398	15,932	96	85	1.161	16,976	40,081	2,361	1,895
47	36	94.482	11.936,666	192.820,969	16,154	15,688	97	86	739	10,331	23,105	2,236	1,771
48	37	94.075	11.373,400	180.884,303	15,904	15,439	98	87	450	6,019	12,773	2,122	1,656
49	38	93.633	10.832,558	169.510,902	15,648	15,183	99	88	261	3,341	6,754	2,021	1,556
							100	89	144	1,771	3,413	1,927	1,462

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 12 Jahre

Zinsfuß 4,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	38	93.213	10.319,557	159.204,663	15,427	14,962
1							51	39	92.686	9.819,366	148.885,106	15,162	14,697
2							52	40	92.132	9.340,360	139.065,740	14,889	14,423
3							53	41	91.512	8.877,993	129.725,380	14,612	14,146
4							54	42	90.847	8.433,941	120.847,387	14,329	13,863
5							55	43	90.129	8.006,941	112.413,446	14,040	13,574
6							56	44	89.338	7.594,919	104.406,505	13,747	13,281
7							57	45	88.515	7.200,910	96.811,587	13,444	12,979
8							58	46	87.610	6.820,364	89.610,676	13,139	12,673
9							59	47	86.619	6.452,855	82.790,312	12,830	12,364
10							60	48	85.542	6.098,192	76.337,458	12,518	12,052
11							61	49	84.399	5.757,660	70.239,266	12,199	11,734
12	0	99.370	58.594,738	1.248.310,371	21,304	20,839	62	50	83.185	5.430,443	64.481,606	11,874	11,408
13	1	98.980	55.851,325	1.189.715,633	21,301	20,836	63	51	81.857	5.113,646	59.051,163	11,548	11,082
14	2	98.931	53.420,176	1.133.864,308	21,225	20,760	64	52	80.450	4.809,332	53.937,517	11,215	10,750
15	3	98.893	51.100,249	1.080.444,132	21,144	20,678	65	53	78.941	4.515,907	49.128,185	10,879	10,413
16	4	98.853	48.879,833	1.029.343,883	21,059	20,593	66	54	77.314	4.232,354	44.612,278	10,541	10,075
17	5	98.802	46.751,006	980.464,050	20,972	20,506	67	55	75.571	3.958,785	40.379,925	10,200	9,734
18	6	98.740	44.709,284	933.713,044	20,884	20,418	68	56	73.672	3.693,126	36.421,140	9,862	9,396
19	7	98.656	42.747,612	889.003,760	20,797	20,331	69	57	71.642	3.436,694	32.728,014	9,523	9,057
20	8	98.567	40.870,300	846.256,148	20,706	20,240	70	58	69.485	3.189,712	29.291,320	9,183	8,717
21	9	98.483	39.076,849	805.385,848	20,610	20,145	71	59	67.178	2.951,029	26.101,608	8,845	8,379
22	10	98.400	37.362,379	766.308,999	20,510	20,045	72	60	64.732	2.721,119	23.150,579	8,508	8,042
23	11	98.317	35.723,512	728.946,620	20,405	19,940	73	61	62.110	2.498,441	20.429,461	8,177	7,711
24	12	98.235	34.156,637	693.223,108	20,295	19,830	74	62	59.365	2.285,192	17.931,020	7,847	7,381
25	13	98.155	32.659,287	659.066,471	20,180	19,714	75	63	56.487	2.080,768	15.645,827	7,519	7,054
26	14	98.074	31.227,020	626.407,184	20,060	19,594	76	64	53.508	1.886,186	13.565,059	7,192	6,726
27	15	97.992	29.857,465	595.180,164	19,934	19,468	77	65	50.467	1.702,379	11.678,873	6,860	6,395
28	16	97.905	28.546,203	565.322,699	19,804	19,338	78	66	47.315	1.527,325	9.976,493	6,532	6,066
29	17	97.812	27.291,081	536.776,496	19,669	19,203	79	67	44.041	1.360,401	8.449,168	6,211	5,745
30	18	97.722	26.091,756	509.485,415	19,527	19,061	80	68	40.690	1.202,775	7.088,767	5,894	5,428
31	19	97.622	24.942,772	483.393,659	19,380	18,914	81	69	37.235	1.053,256	5.885,992	5,588	5,123
32	20	97.518	23.843,221	458.450,887	19,228	18,762	82	70	33.742	913,344	4.832,736	5,291	4,826
33	21	97.408	22.790,586	434.607,666	19,070	18,604	83	71	30.140	780,718	3.919,392	5,020	4,555
34	22	97.298	21.784,711	411.817,079	18,904	18,438	84	72	26.630	660,095	3.138,674	4,755	4,289
35	23	97.179	20.821,064	390.032,368	18,733	18,267	85	73	23.267	551,886	2.478,579	4,491	4,025
36	24	97.052	19.898,420	369.211,304	18,555	18,089	86	74	20.144	457,241	1.926,692	4,214	3,748
37	25	96.916	19.014,888	349.312,884	18,370	17,905	87	75	17.078	370,951	1.469,451	3,961	3,496
38	26	96.775	18.169,609	330.297,996	18,179	17,713	88	76	14.137	293,847	1.098,500	3,738	3,273
39	27	96.615	17.358,366	312.128,387	17,981	17,516	89	77	11.456	227,863	804,652	3,531	3,066
40	28	96.438	16.580,441	294.770,021	17,778	17,313	90	78	9.090	173,028	576,790	3,334	2,868
41	29	96.243	15.834,425	278.189,580	17,569	17,103	91	79	7.055	128,507	403,762	3,142	2,676
42	30	96.032	15.119,347	262.355,155	17,352	16,887	92	80	5.321	92,744	275,255	2,968	2,502
43	31	95.789	14.431,638	247.235,808	17,132	16,666	93	81	3.898	65,016	182,512	2,807	2,342
44	32	95.518	13.771,071	232.804,170	16,905	16,440	94	82	2.769	44,198	117,496	2,658	2,193
45	33	95.228	13.138,031	219.033,098	16,672	16,206	95	83	1.901	29,043	73,298	2,524	2,058
46	34	94.897	12.528,585	205.895,068	16,434	15,968	96	84	1.263	18,459	44,255	2,397	1,932
47	35	94.530	11.942,780	193.366,483	16,191	15,725	97	85	809	11,314	25,796	2,280	1,814
48	36	94.128	11.379,835	181.423,703	15,943	15,477	98	86	500	6,694	14,482	2,163	1,698
49	37	93.691	10.839,204	170.043,868	15,688	15,222	99	87	296	3,788	7,788	2,056	1,591
							100	88	166	2,039	4,000	1,962	1,496

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 13 Jahre

Zinsfuß 4,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	37	93.270	10.325,889	159.686,291	15,465	14,999
1							51	38	92.751	9.826,240	149.360,402	15,200	14,735
2							52	39	92.206	9.347,841	139.534,162	14,927	14,461
3							53	40	91.592	8.885,723	130.186,321	14,651	14,186
4							54	41	90.937	8.442,286	121.300,598	14,368	13,903
5							55	42	90.230	8.015,956	112.858,312	14,079	13,614
6							56	43	89.454	7.604,790	104.842,356	13,786	13,321
7							57	44	88.638	7.210,948	97.237,566	13,485	13,019
8							58	45	87.749	6.831,198	90.026,618	13,179	12,713
9							59	46	86.775	6.464,465	83.195,420	12,870	12,404
10							60	47	85.709	6.110,074	76.730,955	12,558	12,092
11							61	48	84.579	5.769,892	70.620,881	12,240	11,774
12							62	49	83.386	5.443,544	64.850,989	11,913	11,448
13	0	99.357	56.064,198	1.190.607,933	21,237	20,771	63	50	82.065	5.126,599	59.407,446	11,588	11,122
14	1	98.967	53.439,314	1.134.543,736	21,231	20,765	64	51	80.674	4.822,726	54.280,847	11,255	10,790
15	2	98.913	51.110,354	1.081.104,421	21,152	20,687	65	52	79.181	4.529,601	49.458,121	10,919	10,453
16	3	98.870	48.888,225	1.029.994,067	21,068	20,603	66	53	77.559	4.245,760	44.928,520	10,582	10,116
17	4	98.815	46.757,045	981.105,842	20,983	20,517	67	54	75.834	3.972,602	40.682,760	10,241	9,775
18	5	98.752	44.715,129	934.348,797	20,896	20,430	68	55	73.952	3.707,165	36.710,158	9,902	9,437
19	6	98.665	42.751,552	889.633,668	20,809	20,344	69	56	71.930	3.450,547	33.002,993	9,565	9,099
20	7	98.576	40.873,859	846.882,117	20,719	20,254	70	57	69.797	3.204,012	29.552,446	9,224	8,758
21	8	98.493	39.080,601	806.008,257	20,624	20,159	71	58	67.504	2.965,309	26.348,435	8,886	8,420
22	9	98.406	37.364,794	766.927,657	20,525	20,060	72	59	65.063	2.735,023	23.383,126	8,550	8,084
23	10	98.325	35.726,516	729.562,863	20,421	19,955	73	60	62.453	2.512,269	20.648,103	8,219	7,753
24	11	98.244	34.159,840	693.836,347	20,311	19,846	74	61	59.701	2.298,125	18.135,834	7,892	7,426
25	12	98.164	32.662,061	659.676,507	20,197	19,731	75	62	56.844	2.093,945	15.837,709	7,564	7,098
26	13	98.084	31.230,046	627.014,446	20,077	19,612	76	63	53.875	1.899,103	13.743,764	7,237	6,771
27	14	98.004	29.860,945	595.784,400	19,952	19,486	77	64	50.839	1.714,920	11.844,660	6,907	6,441
28	15	97.922	28.551,304	565.923,455	19,821	19,356	78	65	47.705	1.539,902	10.129,740	6,578	6,113
29	16	97.833	27.296,862	537.372,151	19,686	19,221	79	66	44.443	1.372,835	8.589,838	6,257	5,791
30	17	97.743	26.097,498	510.075,289	19,545	19,079	80	67	41.108	1.215,127	7.217,003	5,939	5,474
31	18	97.651	24.949,947	483.977,791	19,398	18,932	81	68	37.666	1.065,442	6.001,876	5,633	5,168
32	19	97.545	23.849,833	459.027,844	19,247	18,781	82	69	34.178	925,147	4.936,434	5,336	4,870
33	20	97.438	22.797,787	435.178,011	19,089	18,623	83	70	30.575	791,975	4.011,287	5,065	4,599
34	21	97.322	21.790,042	412.380,224	18,925	18,460	84	71	27.069	670,973	3.219,312	4,798	4,332
35	22	97.205	20.826,703	390.590,182	18,754	18,289	85	72	23.694	562,019	2.548,339	4,534	4,069
36	23	97.077	19.903,613	369.763,479	18,578	18,112	86	73	20.563	466,750	1.986,320	4,256	3,790
37	24	96.943	19.020,055	349.859,866	18,394	17,929	87	74	17.476	379,591	1.519,570	4,003	3,538
38	25	96.799	18.174,081	330.839,811	18,204	17,738	88	75	14.513	301,669	1.139,979	3,779	3,313
39	26	96.642	17.363,227	312.665,730	18,007	17,542	89	76	11.797	234,656	838,310	3,573	3,107
40	27	96.466	16.585,275	295.302,503	17,805	17,339	90	77	9.396	178,846	603,654	3,375	2,910
41	28	96.272	15.839,126	278.717,228	17,597	17,131	91	78	7.327	133,453	424,808	3,183	2,718
42	29	96.060	15.123,774	262.878,102	17,382	16,916	92	79	5.555	96,816	291,355	3,009	2,544
43	30	95.820	14.436,365	247.754,328	17,162	16,696	93	80	4.098	68,345	194,539	2,846	2,381
44	31	95.552	13.775,992	233.317,963	16,937	16,471	94	81	2.933	46,807	126,194	2,696	2,230
45	32	95.262	13.142,704	219.541,971	16,704	16,239	95	82	2.033	31,049	79,387	2,557	2,091
46	33	94.935	12.533,593	206.399,267	16,468	16,002	96	83	1.360	19,884	48,338	2,431	1,965
47	34	94.575	11.948,382	193.865,674	16,225	15,760	97	84	880	12,302	28,453	2,313	1,847
48	35	94.176	11.385,664	181.917,292	15,978	15,512	98	85	548	7,331	16,151	2,203	1,738
49	36	93.744	10.845,337	170.531,628	15,724	15,258	99	86	329	4,212	8,820	2,094	1,628
							100	87	189	2,311	4,608	1,994	1,528

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 14 Jahre

Zinsfuß 4,50%

Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	36	93.323	10.331,731	160.127,018	15,499	15,033
1							51	37	92.808	9.832,269	149.795,287	15,235	14,769
2							52	38	92.270	9.354,385	139.963,018	14,962	14,497
3							53	39	91.665	8.892,840	130.608,633	14,687	14,221
4							54	40	91.016	8.449,637	121.715,794	14,405	13,939
5							55	41	90.319	8.023,888	113.266,157	14,116	13,651
6							56	42	89.555	7.613,353	105.242,269	13,823	13,358
7							57	43	88.753	7.220,320	97.628,916	13,521	13,056
8							58	44	87.871	6.840,721	90.408,596	13,216	12,751
9							59	45	86.913	6.474,734	83.567,876	12,907	12,441
10							60	46	85.863	6.121,067	77.093,142	12,595	12,129
11							61	47	84.744	5.781,134	70.972,075	12,276	11,811
12							62	48	83.563	5.455,108	65.190,941	11,950	11,485
13							63	49	82.263	5.138,967	59.735,833	11,624	11,158
14	0	99.344	53.642,994	1.135.371,334	21,165	20,700	64	50	80.879	4.834,942	54.596,866	11,292	10,827
15	1	98.948	51.128,666	1.081.728,340	21,157	20,691	65	51	79.401	4.542,215	49.761,923	10,955	10,490
16	2	98.890	48.897,893	1.030.599,675	21,077	20,611	66	52	77.794	4.258,635	45.219,708	10,618	10,153
17	3	98.832	46.765,072	981.701,782	20,992	20,527	67	53	76.075	3.985,186	40.961,073	10,278	9,813
18	4	98.765	44.720,905	934.936,710	20,906	20,440	68	54	74.210	3.720,104	36.975,888	9,939	9,474
19	5	98.678	42.757,141	890.215,805	20,820	20,355	69	55	72.204	3.463,663	33.255,784	9,601	9,136
20	6	98.585	40.877,626	847.458,664	20,732	20,266	70	56	70.078	3.216,927	29.792,121	9,261	8,795
21	7	98.501	39.084,004	806.581,038	20,637	20,171	71	57	67.806	2.978,602	26.575,194	8,922	8,456
22	8	98.415	37.368,381	767.497,034	20,539	20,073	72	58	65.378	2.748,257	23.596,591	8,586	8,120
23	9	98.332	35.728,825	730.128,653	20,435	19,970	73	59	62.772	2.525,106	20.848,334	8,256	7,791
24	10	98.252	34.162,713	694.399,828	20,326	19,861	74	60	60.031	2.310,844	18.323,227	7,929	7,464
25	11	98.173	32.665,124	660.237,115	20,212	19,747	75	61	57.166	2.105,795	16.012,383	7,604	7,138
26	12	98.092	31.232,698	627.571,991	20,093	19,628	76	62	54.216	1.911,130	13.906,588	7,277	6,811
27	13	98.013	29.863,838	596.339,292	19,969	19,503	77	63	51.187	1.726,665	11.995,458	6,947	6,482
28	14	97.934	28.554,631	566.475,454	19,838	19,373	78	64	48.056	1.551,246	10.268,793	6,620	6,154
29	15	97.850	27.301,740	537.920,823	19,703	19,237	79	65	44.809	1.384,139	8.717,547	6,298	5,833
30	16	97.764	26.103,026	510.619,083	19,562	19,096	80	66	41.484	1.226,233	7.333,408	5,980	5,515
31	17	97.672	24.955,438	484.516,057	19,415	18,950	81	67	38.053	1.076,383	6.107,175	5,674	5,208
32	18	97.573	23.856,694	459.560,619	19,263	18,798	82	68	34.573	935,851	5.030,792	5,376	4,910
33	19	97.465	22.804,109	435.703,925	19,106	18,641	83	69	30.970	802,210	4.094,941	5,105	4,639
34	20	97.353	21.796,927	412.899,817	18,943	18,477	84	70	27.459	680,648	3.292,731	4,838	4,372
35	21	97.229	20.831,800	391.102,890	18,774	18,309	85	71	24.084	571,281	2.612,084	4,572	4,107
36	22	97.104	19.909,003	370.271,090	18,598	18,133	86	72	20.940	475,320	2.040,803	4,294	3,828
37	23	96.968	19.025,019	350.362,087	18,416	17,950	87	73	17.839	387,485	1.565,483	4,040	3,574
38	24	96.825	18.179,020	331.337,068	18,226	17,761	88	74	14.851	308,695	1.177,998	3,816	3,350
39	25	96.666	17.367,501	313.158,048	18,031	17,566	89	75	12.111	240,902	869,303	3,609	3,143
40	26	96.493	16.589,919	295.790,547	17,830	17,364	90	76	9.676	184,178	628,401	3,412	2,946
41	27	96.300	15.843,743	279.200,628	17,622	17,157	91	77	7.573	137,940	444,223	3,220	2,755
42	28	96.089	15.128,265	263.356,885	17,408	16,943	92	78	5.768	100,543	306,283	3,046	2,581
43	29	95.849	14.440,592	248.228,620	17,190	16,724	93	79	4.277	71,346	205,740	2,884	2,418
44	30	95.583	13.780,504	233.788,029	16,965	16,500	94	80	3.083	49,204	134,394	2,731	2,266
45	31	95.296	13.147,400	220.007,524	16,734	16,268	95	81	2.153	32,882	85,190	2,591	2,125
46	32	94.968	12.538,051	206.860,124	16,499	16,033	96	82	1.454	21,258	52,308	2,461	1,995
47	33	94.612	11.953,158	194.322,073	16,257	15,791	97	83	947	13,252	31,050	2,343	1,877
48	34	94.220	11.391,004	182.368,915	16,010	15,544	98	84	596	7,971	17,798	2,233	1,767
49	35	93.792	10.850,892	170.977,910	15,757	15,291	99	85	360	4,613	9,826	2,130	1,665
							100	86	210	2,571	5,214	2,028	1,563

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 15 Jahre

Zinsfuß 4,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	35	93.371	10.337,024	160.530,240	15,530	15,064
1							51	36	92.860	9.837,832	150.193,216	15,267	14,801
2							52	37	92.327	9.360,124	140.355,384	14,995	14,529
3							53	38	91.729	8.899,065	130.995,260	14,720	14,255
4							54	39	91.089	8.456,404	122.096,195	14,438	13,973
5							55	40	90.398	8.030,874	113.639,791	14,150	13,685
6							56	41	89.643	7.620,886	105.608,916	13,858	13,392
7							57	42	88.853	7.228,450	97.988,031	13,556	13,090
8							58	43	87.985	6.849,611	90.759,581	13,250	12,785
9							59	44	87.034	6.483,759	83.909,970	12,942	12,476
10							60	45	85.999	6.130,791	77.426,211	12,629	12,163
11							61	46	84.896	5.791,535	71.295,420	12,310	11,845
12							62	47	83.726	5.465,737	65.503,884	11,984	11,519
13							63	48	82.437	5.149,884	60.038,147	11,658	11,193
14							64	49	81.074	4.846,607	54.888,263	11,325	10,859
15	0	99.326	51.323,538	1.082.496,210	21,092	20,626	65	50	79.602	4.553,721	50.041,656	10,989	10,524
16	1	98.925	48.915,411	1.031.172,672	21,081	20,615	66	51	78.011	4.270,495	45.487,935	10,652	10,186
17	2	98.852	46.774,320	982.257,261	21,000	20,534	67	52	76.305	3.997,270	41.217,440	10,311	9,846
18	3	98.782	44.728,582	935.482,941	20,915	20,449	68	53	74.445	3.731,888	37.220,170	9,974	9,508
19	4	98.690	42.762,664	890.754,359	20,830	20,365	69	54	72.456	3.475,753	33.488,282	9,635	9,169
20	5	98.598	40.882,970	847.991,695	20,742	20,276	70	55	70.344	3.229,155	30.012,530	9,294	8,829
21	6	98.510	39.087,606	807.108,724	20,649	20,183	71	56	68.079	2.990,609	26.783,374	8,956	8,490
22	7	98.424	37.371,635	768.021,118	20,551	20,085	72	57	65.671	2.760,578	23.792,766	8,619	8,153
23	8	98.341	35.732,255	730.649,483	20,448	19,982	73	58	63.076	2.537,325	21.032,187	8,289	7,824
24	9	98.259	34.164,921	694.917,228	20,340	19,874	74	59	60.338	2.322,652	18.494,862	7,963	7,497
25	10	98.181	32.667,871	660.752,307	20,226	19,761	75	60	57.482	2.117,450	16.172,210	7,638	7,172
26	11	98.101	31.235,628	628.084,436	20,108	19,642	76	61	54.523	1.921,945	14.054,760	7,313	6,847
27	12	98.022	29.866,375	596.848,808	19,984	19,518	77	62	51.511	1.737,599	12.132,815	6,983	6,517
28	13	97.943	28.557,398	566.982,433	19,854	19,389	78	63	48.386	1.561,870	10.395,215	6,656	6,190
29	14	97.862	27.304,921	538.425,035	19,719	19,253	79	64	45.139	1.394,336	8.833,345	6,335	5,870
30	15	97.782	26.107,691	511.120,113	19,577	19,112	80	65	41.825	1.236,330	7.439,010	6,017	5,551
31	16	97.693	24.960,724	485.012,422	19,431	18,965	81	66	38.401	1.086,221	6.202,679	5,710	5,245
32	17	97.595	23.861,944	460.051,699	19,280	18,814	82	67	34.928	945,461	5.116,459	5,412	4,946
33	18	97.493	22.810,669	436.189,755	19,122	18,657	83	68	31.328	811,491	4.170,997	5,140	4,674
34	19	97.380	21.802,971	413.379,086	18,960	18,494	84	69	27.814	689,444	3.359,506	4,873	4,407
35	20	97.260	20.838,382	391.576,115	18,791	18,325	85	70	24.432	579,518	2.670,062	4,607	4,142
36	21	97.128	19.913,875	370.737,733	18,617	18,151	86	71	21.286	483,153	2.090,545	4,327	3,861
37	22	96.994	19.030,171	350.823,858	18,435	17,970	87	72	18.167	394,599	1.607,392	4,073	3,608
38	23	96.851	18.183,764	331.793,687	18,247	17,781	88	73	15.160	315,115	1.212,792	3,849	3,383
39	24	96.692	17.372,220	313.609,923	18,052	17,587	89	74	12.393	246,513	897,677	3,642	3,176
40	25	96.517	16.594,002	296.237,702	17,852	17,386	90	75	9.934	189,080	651,164	3,444	2,978
41	26	96.327	15.848,180	279.643,700	17,645	17,180	91	76	7.799	142,052	462,085	3,253	2,787
42	27	96.117	15.132,675	263.795,520	17,432	16,967	92	77	5.962	103,924	320,032	3,079	2,614
43	28	95.877	14.444,879	248.662,845	17,215	16,749	93	78	4.442	74,092	216,109	2,917	2,451
44	29	95.611	13.784,539	234.217,966	16,991	16,526	94	79	3.218	51,365	142,016	2,765	2,299
45	30	95.327	13.151,707	220.433,427	16,761	16,295	95	80	2.263	34,566	90,651	2,623	2,157
46	31	95.002	12.542,531	207.281,720	16,526	16,061	96	81	1.540	22,513	56,085	2,491	2,026
47	32	94.646	11.957,410	194.739,189	16,286	15,820	97	82	1.013	14,168	33,572	2,370	1,904
48	33	94.258	11.395,558	182.781,779	16,040	15,574	98	83	642	8,587	19,405	2,260	1,794
49	34	93.836	10.855,982	171.386,221	15,787	15,322	99	84	392	5,016	10,818	2,157	1,691
							100	85	230	2,815	5,802	2,061	1,596

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 16 Jahre

Zinsfuß 4,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	34	93.414	10.341,872	160.899,139	15,558	15,092
1							51	35	92.908	9.842,871	150.557,267	15,296	14,830
2							52	36	92.379	9.365,420	140.714,396	15,025	14,559
3							53	37	91.786	8.904,525	131.348,976	14,751	14,285
4							54	38	91.153	8.462,324	122.444,451	14,469	14,004
5							55	39	90.470	8.037,306	113.982,127	14,182	13,716
6							56	40	89.721	7.627,522	105.944,821	13,890	13,424
7							57	41	88.941	7.235,602	98.317,299	13,588	13,122
8							58	42	88.085	6.857,324	91.081,697	13,282	12,817
9							59	43	87.147	6.492,186	84.224,373	12,973	12,508
10							60	44	86.119	6.139,337	77.732,187	12,661	12,196
11							61	45	85.031	5.800,735	71.592,850	12,342	11,876
12							62	46	83.876	5.475,571	65.792,115	12,016	11,550
13							63	47	82.598	5.159,919	60.316,544	11,689	11,224
14							64	48	81.246	4.856,903	55.156,625	11,356	10,891
15							65	49	79.794	4.564,707	50.299,722	11,019	10,554
16	0	99.302	49.101,848	1.031.885,401	21,015	20,550	66	50	78.208	4.281,312	45.735,015	10,682	10,217
17	1	98.887	46.791,078	982.783,553	21,004	20,538	67	51	76.518	4.008,403	41.453,703	10,342	9,876
18	2	98.802	44.737,428	935.992,475	20,922	20,456	68	52	74.671	3.743,204	37.445,301	10,004	9,538
19	3	98.707	42.770,005	891.255,048	20,838	20,373	69	53	72.685	3.486,762	33.702,096	9,666	9,200
20	4	98.611	40.888,251	848.485,042	20,751	20,286	70	54	70.590	3.240,426	30.215,334	9,324	8,859
21	5	98.523	39.092,716	807.596,791	20,658	20,193	71	55	68.338	3.001,977	26.974,908	8,986	8,520
22	6	98.433	37.375,079	768.504,075	20,562	20,096	72	56	65.936	2.771,706	23.972,931	8,649	8,184
23	7	98.350	35.735,367	731.128,995	20,460	19,994	73	57	63.359	2.548,700	21.201,225	8,318	7,853
24	8	98.268	34.168,201	695.393,628	20,352	19,886	74	58	60.630	2.333,891	18.652,525	7,992	7,526
25	9	98.187	32.669,982	661.225,427	20,240	19,774	75	59	57.776	2.128,270	16.318,634	7,668	7,202
26	10	98.109	31.238,254	628.555,445	20,121	19,656	76	60	54.825	1.932,583	14.190,364	7,343	6,877
27	11	98.031	29.869,176	597.317,191	19,998	19,532	77	61	51.803	1.747,433	12.257,781	7,015	6,549
28	12	97.952	28.559,824	567.448,015	19,869	19,403	78	62	48.692	1.571,761	10.510,348	6,687	6,221
29	13	97.871	27.307,567	538.888,191	19,734	19,268	79	63	45.448	1.403,885	8.938,588	6,367	5,901
30	14	97.793	26.110,734	511.580,624	19,593	19,127	80	64	42.133	1.245,438	7.534,703	6,050	5,584
31	15	97.710	24.965,184	485.469,890	19,446	18,980	81	65	38.717	1.095,165	6.289,265	5,743	5,277
32	16	97.616	23.866,998	460.504,706	19,295	18,829	82	66	35.248	954,102	5.194,099	5,444	4,978
33	17	97.515	22.815,689	436.637,708	19,138	18,672	83	67	31.650	819,825	4.239,997	5,172	4,706
34	18	97.408	21.809,243	413.822,019	18,975	18,509	84	68	28.136	697,420	3.420,172	4,904	4,438
35	19	97.287	20.844,160	392.012,776	18,807	18,341	85	69	24.747	587,007	2.722,752	4,638	4,173
36	20	97.158	19.920,167	371.168,616	18,633	18,167	86	70	21.592	490,119	2.135,745	4,358	3,892
37	21	97.018	19.034,828	351.248,449	18,453	17,987	87	71	18.466	401,102	1.645,626	4,103	3,637
38	22	96.877	18.188,689	332.213,620	18,265	17,799	88	72	15.438	320,901	1.244,524	3,878	3,413
39	23	96.717	17.376,754	314.024,932	18,072	17,606	89	73	12.651	251,639	923,623	3,670	3,205
40	24	96.543	16.598,512	296.648,178	17,872	17,406	90	74	10.165	193,484	671,984	3,473	3,007
41	25	96.351	15.852,081	280.049,666	17,666	17,201	91	75	8.006	145,834	478,500	3,281	2,816
42	26	96.144	15.136,913	264.197,585	17,454	16,988	92	76	6.140	107,022	332,666	3,108	2,643
43	27	95.905	14.449,090	249.060,672	17,237	16,772	93	77	4.591	76,584	225,645	2,946	2,481
44	28	95.640	13.788,632	234.611,582	17,015	16,549	94	78	3.342	53,342	149,061	2,794	2,329
45	29	95.355	13.155,557	220.822,950	16,786	16,320	95	79	2.362	36,084	95,719	2,653	2,187
46	30	95.034	12.546,639	207.667,393	16,552	16,086	96	80	1.619	23,666	59,635	2,520	2,054
47	31	94.680	11.961,683	195.120,754	16,312	15,847	97	81	1.073	15,004	35,969	2,397	1,932
48	32	94.291	11.399,611	183.159,071	16,067	15,602	98	82	686	9,180	20,965	2,284	1,818
49	33	93.873	10.860,321	171.759,460	15,815	15,350	99	83	422	5,403	11,785	2,181	1,716
							100	84	250	3,061	6,383	2,085	1,620

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 17 Jahre

Zinsfuß 4,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	33	93.452	10.346,006	161.236,329	15,584	15,119
1							51	34	92.951	9.847,488	150.890,323	15,323	14,857
2							52	35	92.427	9.370,217	141.042,835	15,052	14,587
3							53	36	91.837	8.909,563	131.672,618	14,779	14,313
4							54	37	91.209	8.467,516	122.763,055	14,498	14,033
5							55	38	90.534	8.042,932	114.295,539	14,211	13,745
6							56	39	89.793	7.633,630	106.252,606	13,919	13,453
7							57	40	89.019	7.241,902	98.618,976	13,618	13,152
8							58	41	88.172	6.864,109	91.377,074	13,312	12,847
9							59	42	87.245	6.499,496	84.512,965	13,003	12,537
10							60	43	86.231	6.147,316	78.013,469	12,691	12,225
11							61	44	85.149	5.808,821	71.866,153	12,372	11,906
12							62	45	84.010	5.484,269	66.057,332	12,045	11,579
13							63	46	82.747	5.169,202	60.573,062	11,718	11,252
14							64	47	81.404	4.866,366	55.403,860	11,385	10,919
15							65	48	79.964	4.574,404	50.537,493	11,048	10,582
16							66	49	78.397	4.291,641	45.963,089	10,710	10,244
17	0	99.264	46.969,417	983.445,352	20,938	20,472	67	50	76.712	4.018,556	41.671,448	10,370	9,904
18	1	98.837	44.753,456	936.475,934	20,925	20,460	68	51	74.879	3.753,629	37.652,892	10,031	9,565
19	2	98.727	42.778,463	891.722,479	20,845	20,380	69	52	72.906	3.497,335	33.899,263	9,693	9,227
20	3	98.628	40.895,271	848.944,016	20,759	20,293	70	53	70.813	3.250,691	30.401,928	9,352	8,887
21	4	98.536	39.097,766	808.048,745	20,667	20,202	71	54	68.577	3.012,455	27.151,237	9,013	8,547
22	5	98.446	37.379,966	768.950,979	20,571	20,106	72	55	66.186	2.782,242	24.138,783	8,676	8,210
23	6	98.359	35.738,660	731.571,013	20,470	20,004	73	56	63.614	2.558,974	21.356,541	8,346	7,880
24	7	98.277	34.171,177	695.832,353	20,363	19,898	74	57	60.902	2.344,354	18.797,567	8,018	7,553
25	8	98.197	32.673,119	661.661,176	20,251	19,785	75	58	58.056	2.138,568	16.453,213	7,694	7,228
26	9	98.116	31.240,273	628.988,057	20,134	19,668	76	59	55.105	1.942,458	14.314,644	7,369	6,904
27	10	98.039	29.871,688	597.747,784	20,011	19,545	77	60	52.090	1.757,104	12.372,186	7,041	6,576
28	11	97.961	28.562,503	567.876,096	19,882	19,416	78	61	48.967	1.580,656	10.615,082	6,716	6,250
29	12	97.880	27.309,887	539.313,594	19,748	19,282	79	62	45.736	1.412,775	9.034,426	6,395	5,929
30	13	97.802	26.113,264	512.003,707	19,607	19,141	80	63	42.422	1.253,967	7.621,651	6,078	5,612
31	14	97.722	24.968,094	485.890,443	19,460	18,995	81	64	39.002	1.103,233	6.367,684	5,772	5,306
32	15	97.633	23.871,263	460.922,350	19,309	18,843	82	65	35.538	961,959	5.264,451	5,473	5,007
33	16	97.536	22.820,521	437.051,087	19,152	18,686	83	66	31.939	827,318	4.302,492	5,201	4,735
34	17	97.429	21.814,043	414.230,565	18,989	18,524	84	67	28.425	704,582	3.475,174	4,932	4,467
35	18	97.315	20.850,156	392.416,522	18,821	18,355	85	68	25.034	593,798	2.770,592	4,666	4,200
36	19	97.185	19.925,691	371.566,366	18,648	18,182	86	69	21.872	496,453	2.176,794	4,385	3,919
37	20	97.049	19.040,842	351.640,675	18,468	18,002	87	70	18.732	406,885	1.680,341	4,130	3,664
38	21	96.901	18.193,140	332.599,833	18,282	17,816	88	71	15.693	326,189	1.273,455	3,904	3,438
39	22	96.743	17.381,460	314.406,693	18,089	17,623	89	72	12.883	256,260	947,266	3,697	3,231
40	23	96.568	16.602,844	297.025,233	17,890	17,424	90	73	10.376	197,508	691,007	3,499	3,033
41	24	96.377	15.856,389	280.422,389	17,685	17,220	91	74	8.193	149,230	493,499	3,307	2,841
42	25	96.168	15.140,638	264.566,001	17,474	17,008	92	75	6.303	109,870	344,269	3,133	2,668
43	26	95.932	14.453,136	249.425,362	17,258	16,792	93	76	4.728	78,867	234,399	2,972	2,506
44	27	95.668	13.792,652	234.972,226	17,036	16,570	94	77	3.454	55,136	155,532	2,821	2,355
45	28	95.383	13.159,463	221.179,575	16,808	16,342	95	78	2.453	37,473	100,396	2,679	2,214
46	29	95.061	12.550,313	208.020,111	16,575	16,109	96	79	1.690	24,705	62,923	2,547	2,081
47	30	94.711	11.965,601	195.469,798	16,336	15,870	97	80	1.128	15,772	38,218	2,423	1,958
48	31	94.325	11.403,685	183.504,198	16,092	15,626	98	81	726	9,722	22,446	2,309	1,843
49	32	93.906	10.864,184	172.100,513	15,841	15,375	99	82	451	5,776	12,724	2,203	1,737
							100	83	269	3,297	6,948	2,107	1,642

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 18 Jahre

Zinsfuß 4,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	32	93.485	10.349,686	161.544,418	15,609	15,143
1							51	33	92.989	9.851,424	151.194,732	15,348	14,882
2							52	34	92.470	9.374,612	141.343,308	15,077	14,612
3							53	35	91.884	8.914,127	131.968,696	14,804	14,339
4							54	36	91.260	8.472,307	123.054,569	14,524	14,059
5							55	37	90.589	8.047,868	114.582,262	14,238	13,772
6							56	38	89.856	7.638,974	106.534,394	13,946	13,481
7							57	39	89.090	7.247,702	98.895,420	13,645	13,179
8							58	40	88.248	6.870,086	91.647,718	13,340	12,874
9							59	41	87.331	6.505,927	84.777,632	13,031	12,565
10							60	42	86.328	6.154,238	78.271,706	12,718	12,253
11							61	43	85.260	5.816,371	72.117,468	12,399	11,933
12							62	44	84.127	5.491,914	66.301,097	12,072	11,607
13							63	45	82.878	5.177,414	60.809,183	11,745	11,279
14							64	46	81.551	4.875,122	55.631,769	11,411	10,946
15							65	47	80.120	4.583,317	50.756,647	11,074	10,609
16							66	48	78.563	4.300,758	46.173,329	10,736	10,270
17							67	49	76.897	4.028,251	41.872,571	10,395	9,929
18	0	99.214	44.924,029	937.090,683	20,859	20,394	68	50	75.069	3.763,137	37.844,320	10,057	9,591
19	1	98.762	42.793,789	892.166,654	20,848	20,382	69	51	73.109	3.507,075	34.081,183	9,718	9,252
20	2	98.647	40.903,358	849.372,864	20,765	20,300	70	52	71.028	3.260,548	30.574,108	9,377	8,911
21	3	98.553	39.104,478	808.469,506	20,675	20,209	71	53	68.794	3.021,997	27.313,560	9,038	8,573
22	4	98.459	37.384,794	769.365,028	20,580	20,114	72	54	66.417	2.791,953	24.291,563	8,701	8,235
23	5	98.372	35.743,333	731.980,234	20,479	20,013	73	55	63.856	2.568,701	21.499,610	8,370	7,904
24	6	98.286	34.174,326	696.236,901	20,373	19,907	74	56	61.147	2.353,804	18.930,909	8,043	7,577
25	7	98.205	32.675,964	662.062,575	20,261	19,796	75	57	58.316	2.148,156	16.577,105	7,717	7,251
26	8	98.125	31.243,272	629.386,611	20,145	19,679	76	58	55.371	1.951,857	14.428,949	7,392	6,927
27	9	98.046	29.873,618	598.143,339	20,022	19,557	77	59	52.356	1.766,083	12.477,092	7,065	6,599
28	10	97.969	28.564,905	568.269,721	19,894	19,428	78	60	49.239	1.589,404	10.711,009	6,739	6,273
29	11	97.889	27.312,448	539.704,816	19,760	19,295	79	61	45.995	1.420,770	9.121,605	6,420	5,955
30	12	97.811	26.115,482	512.392,368	19,620	19,155	80	62	42.690	1.261,908	7.700,835	6,103	5,637
31	13	97.731	24.970,513	486.276,886	19,474	19,008	81	63	39.269	1.110,788	6.438,927	5,797	5,331
32	14	97.644	23.874,045	461.306,373	19,323	18,857	82	64	35.800	969,045	5.328,138	5,498	5,033
33	15	97.553	22.824,600	437.432,328	19,165	18,699	83	65	32.202	834,130	4.359,093	5,226	4,760
34	16	97.450	21.818,663	414.607,729	19,002	18,537	84	66	28.685	711,022	3.524,962	4,958	4,492
35	17	97.336	20.854,745	392.789,065	18,835	18,369	85	67	25.291	599,896	2.813,941	4,691	4,225
36	18	97.213	19.931,423	371.934,321	18,661	18,195	86	68	22.125	502,197	2.214,044	4,409	3,943
37	19	97.075	19.046,122	352.002,898	18,482	18,016	87	69	18.974	412,144	1.711,847	4,154	3,688
38	20	96.931	18.198,888	332.956,776	18,295	17,830	88	70	15.919	330,892	1.299,704	3,928	3,462
39	21	96.767	17.385,714	314.757,887	18,104	17,639	89	71	13.096	260,483	968,812	3,719	3,254
40	22	96.594	16.607,340	297.372,174	17,906	17,440	90	72	10.567	201,134	708,329	3,522	3,056
41	23	96.402	15.860,527	280.764,834	17,702	17,236	91	73	8.363	152,334	507,195	3,330	2,864
42	24	96.194	15.144,753	264.904,307	17,491	17,026	92	74	6.450	112,429	354,862	3,156	2,691
43	25	95.955	14.456,694	249.759,554	17,276	16,811	93	75	4.854	80,966	242,432	2,994	2,529
44	26	95.694	13.796,514	235.302,861	17,055	16,590	94	76	3.557	56,779	161,466	2,844	2,378
45	27	95.411	13.163,300	221.506,347	16,828	16,362	95	77	2.536	38,733	104,687	2,703	2,237
46	28	95.090	12.554,039	208.343,047	16,596	16,130	96	78	1.755	25,656	65,954	2,571	2,105
47	29	94.739	11.969,104	195.789,008	16,358	15,892	97	79	1.177	16,465	40,298	2,448	1,982
48	30	94.356	11.407,420	183.819,904	16,114	15,648	98	80	764	10,220	23,833	2,332	1,866
49	31	93.940	10.868,066	172.412,484	15,864	15,399	99	81	478	6,117	13,613	2,225	1,760
							100	82	288	3,525	7,496	2,127	1,661

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 19 Jahre

Zinsfuß 4,50%

Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	31	93.518	10.353,384	161.826,226	15,630	15,165
1							51	32	93.022	9.854,928	151.472,841	15,370	14,905
2							52	33	92.507	9.378,360	141.617,913	15,100	14,635
3							53	34	91.928	8.918,308	132.239,553	14,828	14,362
4							54	35	91.307	8.476,647	123.321,246	14,548	14,083
5							55	36	90.641	8.052,421	114.844,599	14,262	13,797
6							56	37	89.911	7.643,661	106.792,178	13,971	13,506
7							57	38	89.152	7.252,776	99.148,517	13,670	13,205
8							58	39	88.319	6.875,588	91.895,741	13,366	12,900
9							59	40	87.407	6.511,592	85.020,153	13,057	12,591
10							60	41	86.413	6.160,327	78.508,561	12,744	12,279
11							61	42	85.356	5.822,920	72.348,234	12,425	11,959
12							62	43	84.236	5.499,052	66.525,314	12,098	11,632
13							63	44	82.994	5.184,631	61.026,262	11,771	11,305
14							64	45	81.680	4.882,866	55.841,632	11,436	10,971
15							65	46	80.264	4.591,564	50.958,765	11,098	10,633
16							66	47	78.716	4.309,138	46.367,201	10,760	10,295
17							67	48	77.060	4.036,809	42.058,063	10,419	9,953
18							68	49	75.250	3.772,216	38.021,255	10,079	9,614
19	0	99.139	42.956,894	892.737,900	20,782	20,317	69	50	73.294	3.515,959	34.249,039	9,741	9,275
20	1	98.683	40.918,012	849.781,006	20,768	20,302	70	51	71.226	3.269,628	30.733,080	9,400	8,934
21	2	98.572	39.112,211	808.862,993	20,681	20,215	71	52	69.003	3.031,161	27.463,452	9,060	8,595
22	3	98.475	37.391,212	769.750,782	20,586	20,121	72	53	66.628	2.800,796	24.432,291	8,723	8,258
23	4	98.384	35.747,950	732.359,570	20,487	20,021	73	54	64.079	2.577,667	21.631,495	8,392	7,926
24	5	98.299	34.178,794	696.611,620	20,381	19,916	74	55	61.380	2.362,752	19.053,828	8,064	7,599
25	6	98.215	32.678,976	662.432,827	20,271	19,805	75	56	58.551	2.156,815	16.691,076	7,739	7,273
26	7	98.134	31.245,993	629.753,851	20,155	19,689	76	57	55.620	1.960,608	14.534,261	7,413	6,948
27	8	98.055	29.876,486	598.507,857	20,033	19,567	77	58	52.609	1.774,629	12.573,654	7,085	6,620
28	9	97.975	28.566,750	568.631,371	19,905	19,440	78	59	49.490	1.597,526	10.799,025	6,760	6,294
29	10	97.897	27.314,745	540.064,621	19,772	19,306	79	60	46.250	1.428,634	9.201,500	6,441	5,975
30	11	97.820	26.117,931	512.749,876	19,632	19,166	80	61	42.932	1.269,050	7.772,866	6,125	5,659
31	12	97.739	24.972,634	486.631,945	19,487	19,021	81	62	39.518	1.117,823	6.503,816	5,818	5,353
32	13	97.654	23.876,358	461.659,311	19,335	18,870	82	63	36.045	975,682	5.385,993	5,520	5,055
33	14	97.564	22.827,259	437.782,953	19,178	18,712	83	64	32.439	840,275	4.410,311	5,249	4,783
34	15	97.467	21.822,562	414.955,693	19,015	18,549	84	65	28.921	716,877	3.570,036	4,980	4,514
35	16	97.357	20.859,162	393.133,131	18,847	18,381	85	66	25.522	605,379	2.853,159	4,713	4,247
36	17	97.234	19.935,809	372.273,969	18,674	18,208	86	67	22.352	507,354	2.247,780	4,430	3,965
37	18	97.103	19.051,601	352.338,160	18,494	18,028	87	68	19.194	416,912	1.740,426	4,175	3,709
38	19	96.958	18.203,935	333.286,558	18,308	17,843	88	69	16.125	335,168	1.323,514	3,949	3,483
39	20	96.798	17.391,207	315.082,624	18,117	17,652	89	70	13.285	264,238	988,346	3,740	3,275
40	21	96.618	16.611,404	297.691,417	17,921	17,455	90	71	10.741	204,448	724,108	3,542	3,076
41	22	96.428	15.864,822	281.080,013	17,717	17,252	91	72	8.517	155,131	519,659	3,350	2,884
42	23	96.219	15.148,705	265.215,191	17,507	17,042	92	73	6.584	114,767	364,529	3,176	2,711
43	24	95.981	14.460,622	250.066,486	17,293	16,827	93	74	4.967	82,852	249,761	3,015	2,549
44	25	95.718	13.799,910	235.605,863	17,073	16,607	94	75	3.652	58,291	166,909	2,863	2,398
45	26	95.438	13.166,986	221.805,954	16,846	16,380	95	76	2.611	39,888	108,619	2,723	2,258
46	27	95.117	12.557,699	208.638,968	16,614	16,149	96	77	1.814	26,519	68,731	2,592	2,126
47	28	94.767	11.972,658	196.081,269	16,377	15,912	97	78	1.222	17,099	42,213	2,469	2,003
48	29	94.384	11.410,760	184.108,611	16,135	15,669	98	79	797	10,669	25,114	2,354	1,888
49	30	93.971	10.871,626	172.697,852	15,885	15,420	99	80	502	6,430	14,446	2,246	1,781
							100	81	305	3,733	8,015	2,147	1,681

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 20 Jahre

Zinsfuß 4,50%

Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	30	93.549	10.356,775	162.083,987	15,650	15,184
1							51	31	93.055	9.858,450	151.727,212	15,391	14,925
2							52	32	92.540	9.381,696	141.868,762	15,122	14,656
3							53	33	91.964	8.921,873	132.487,066	14,850	14,384
4							54	34	91.350	8.480,623	123.565,194	14,570	14,105
5							55	35	90.687	8.056,545	115.084,571	14,285	13,819
6							56	36	89.962	7.647,986	107.028,025	13,994	13,529
7							57	37	89.207	7.257,226	99.380,039	13,694	13,228
8							58	38	88.381	6.880,401	92.122,814	13,389	12,924
9							59	39	87.477	6.516,807	85.242,413	13,080	12,615
10							60	40	86.489	6.165,691	78.725,606	12,768	12,303
11							61	41	85.441	5.828,681	72.559,914	12,449	11,983
12							62	42	84.331	5.505,244	66.731,233	12,121	11,656
13							63	43	83.101	5.191,369	61.225,989	11,794	11,328
14							64	44	81.794	4.889,673	56.034,620	11,460	10,994
15							65	45	80.391	4.598,858	51.144,947	11,121	10,656
16							66	46	78.858	4.316,891	46.546,090	10,782	10,317
17							67	47	77.210	4.044,674	42.229,199	10,441	9,975
18							68	48	75.409	3.780,229	38.184,525	10,101	9,635
19							69	49	73.471	3.524,441	34.404,295	9,762	9,296
20	0	99.059	41.073,968	850.312,043	20,702	20,236	70	50	71.406	3.277,910	30.879,854	9,421	8,955
21	1	98.608	39.126,224	809.238,075	20,683	20,217	71	51	69.195	3.039,603	27.601,944	9,081	8,615
22	2	98.495	37.398,606	770.111,851	20,592	20,126	72	52	66.830	2.809,290	24.562,341	8,743	8,278
23	3	98.401	35.754,087	732.713,245	20,493	20,028	73	53	64.282	2.585,832	21.753,052	8,412	7,947
24	4	98.311	34.183,209	696.959,158	20,389	19,923	74	54	61.594	2.370,999	19.167,220	8,084	7,618
25	5	98.227	32.683,248	662.775,949	20,279	19,813	75	55	58.774	2.165,013	16.796,221	7,758	7,292
26	6	98.143	31.248,873	630.092,701	20,164	19,698	76	56	55.844	1.968,511	14.631,208	7,433	6,967
27	7	98.063	29.879,088	598.843,828	20,042	19,577	77	57	52.845	1.782,585	12.662,697	7,104	6,638
28	8	97.985	28.569,493	568.964,740	19,915	19,450	78	58	49.730	1.605,256	10.880,113	6,778	6,312
29	9	97.903	27.316,510	540.395,247	19,783	19,317	79	59	46.486	1.435,934	9.274,857	6,459	5,993
30	10	97.828	26.120,127	513.078,737	19,643	19,177	80	60	43.170	1.276,073	7.838,923	6,143	5,677
31	11	97.748	24.974,976	486.958,610	19,498	19,032	81	61	39.741	1.124,149	6.562,849	5,838	5,372
32	12	97.662	23.878,386	461.983,634	19,347	18,882	82	62	36.273	981,861	5.438,701	5,539	5,074
33	13	97.574	22.829,471	438.105,247	19,190	18,725	83	63	32.662	846,030	4.456,840	5,268	4,802
34	14	97.479	21.825,105	415.275,776	19,027	18,562	84	64	29.134	722,158	3.610,810	5,000	4,534
35	15	97.374	20.862,890	393.450,670	18,859	18,393	85	65	25.732	610,364	2.888,653	4,733	4,267
36	16	97.255	19.940,032	372.587,781	18,685	18,220	86	66	22.556	511,991	2.278,288	4,450	3,984
37	17	97.125	19.055,794	352.647,749	18,506	18,040	87	67	19.391	421,194	1.766,297	4,194	3,728
38	18	96.986	18.209,171	333.591,955	18,320	17,854	88	68	16.311	339,046	1.345,104	3,967	3,502
39	19	96.825	17.396,029	315.382,783	18,130	17,664	89	69	13.456	267,653	1.006,058	3,759	3,293
40	20	96.649	16.616,653	297.986,754	17,933	17,467	90	70	10.896	207,396	738,405	3,560	3,095
41	21	96.452	15.868,705	281.370,101	17,731	17,266	91	71	8.657	157,687	531,009	3,367	2,902
42	22	96.245	15.152,808	265.501,397	17,522	17,056	92	72	6.705	116,875	373,322	3,194	2,729
43	23	96.007	14.464,396	250.348,589	17,308	16,842	93	73	5.071	84,575	256,447	3,032	2,567
44	24	95.744	13.803,660	235.884,193	17,089	16,623	94	74	3.737	59,648	171,872	2,881	2,416
45	25	95.461	13.170,226	222.080,533	16,862	16,397	95	75	2.681	40,949	112,224	2,741	2,275
46	26	95.144	12.561,215	208.910,307	16,631	16,166	96	76	1.868	27,309	71,274	2,610	2,144
47	27	94.794	11.976,148	196.349,092	16,395	15,929	97	77	1.264	17,674	43,965	2,488	2,022
48	28	94.412	11.414,148	184.372,944	16,153	15,687	98	78	828	11,079	26,292	2,373	1,907
49	29	93.998	10.874,809	172.958,796	15,905	15,439	99	79	524	6,713	15,213	2,266	1,801
							100	80	320	3,924	8,500	2,166	1,700

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 21 Jahre

Zinsfuß 4,50%

Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	29	93.576	10.359,808	162.319,662	15,668	15,203
1							51	30	93.085	9.861,679	151.959,854	15,409	14,944
2							52	31	92.573	9.385,048	142.098,176	15,141	14,675
3							53	32	91.997	8.925,046	132.713,128	14,870	14,404
4							54	33	91.386	8.484,013	123.788,081	14,591	14,125
5							55	34	90.729	8.060,324	115.304,069	14,305	13,840
6							56	35	90.008	7.651,903	107.243,744	14,015	13,550
7							57	36	89.258	7.261,332	99.591,841	13,715	13,250
8							58	37	88.435	6.884,623	92.330,509	13,411	12,946
9							59	38	87.539	6.521,369	85.445,887	13,102	12,637
10							60	39	86.558	6.170,629	78.924,518	12,790	12,325
11							61	40	85.515	5.833,757	72.753,888	12,471	12,006
12							62	41	84.414	5.510,691	66.920,132	12,144	11,678
13							63	42	83.195	5.197,214	61.409,441	11,816	11,350
14							64	43	81.900	4.896,028	56.212,226	11,481	11,016
15							65	44	80.503	4.605,268	51.316,198	11,143	10,677
16							66	45	78.983	4.323,749	46.710,930	10,803	10,338
17							67	46	77.349	4.051,951	42.387,182	10,461	9,995
18							68	47	75.556	3.787,595	38.335,231	10,121	9,656
19							69	48	73.627	3.531,929	34.547,636	9,782	9,316
20							70	49	71.579	3.285,818	31.015,707	9,439	8,974
21	0	98.983	39.275,350	809.731,940	20,617	20,151	71	50	69.370	3.047,302	27.729,888	9,100	8,634
22	1	98.530	37.412,005	770.456,590	20,594	20,128	72	51	67.016	2.817,113	24.682,586	8,762	8,296
23	2	98.421	35.761,157	733.044,585	20,498	20,033	73	52	64.477	2.593,673	21.865,473	8,430	7,965
24	3	98.328	34.189,077	697.283,427	20,395	19,929	74	53	61.789	2.378,509	19.271,800	8,102	7,637
25	4	98.240	32.687,470	663.094,350	20,286	19,820	75	54	58.979	2.172,570	16.893,291	7,776	7,310
26	5	98.156	31.252,958	630.406,880	20,171	19,705	76	55	56.056	1.975,993	14.720,721	7,450	6,984
27	6	98.072	29.881,842	599.153,922	20,051	19,585	77	56	53.058	1.789,770	12.744,728	7,121	6,655
28	7	97.993	28.571,981	569.272,080	19,924	19,459	78	57	49.953	1.612,452	10.954,958	6,794	6,328
29	8	97.913	27.319,132	540.700,099	19,792	19,326	79	58	46.711	1.442,882	9.342,506	6,475	6,009
30	9	97.835	26.121,815	513.380,967	19,653	19,188	80	59	43.390	1.282,594	7.899,623	6,159	5,693
31	10	97.757	24.977,077	487.259,152	19,508	19,043	81	60	39.961	1.130,371	6.617,029	5,854	5,388
32	11	97.671	23.880,626	462.282,075	19,358	18,892	82	61	36.478	987,417	5.486,659	5,557	5,091
33	12	97.582	22.831,410	438.401,449	19,202	18,736	83	62	32.868	851,387	4.499,241	5,285	4,819
34	13	97.488	21.827,220	415.570,039	19,039	18,573	84	63	29.334	727,104	3.647,854	5,017	4,551
35	14	97.386	20.865,321	393.742,818	18,871	18,405	85	64	25.922	614,860	2.920,751	4,750	4,285
36	15	97.272	19.943,595	372.877,497	18,697	18,231	86	65	22.742	516,207	2.305,890	4,467	4,001
37	16	97.145	19.059,830	352.933,902	18,517	18,052	87	66	19.568	425,043	1.789,683	4,211	3,745
38	17	97.007	18.213,179	333.874,072	18,331	17,866	88	67	16.479	342,528	1.364,640	3,984	3,518
39	18	96.852	17.401,033	315.660,893	18,140	17,675	89	68	13.612	270,750	1.022,112	3,775	3,310
40	19	96.675	16.621,260	298.259,859	17,944	17,479	90	69	11.037	210,076	751,363	3,577	3,111
41	20	96.482	15.873,718	281.638,599	17,742	17,277	91	70	8.782	159,961	541,286	3,384	2,918
42	21	96.268	15.156,516	265.764,881	17,535	17,069	92	71	6.816	118,801	381,326	3,210	2,744
43	22	96.033	14.468,313	250.608,365	17,321	16,856	93	72	5.164	86,128	262,525	3,048	2,582
44	23	95.769	13.807,262	236.140,052	17,103	16,637	94	73	3.815	60,889	176,397	2,897	2,431
45	24	95.487	13.173,806	222.332,789	16,877	16,411	95	74	2.743	41,903	115,508	2,757	2,291
46	25	95.167	12.564,307	209.158,984	16,647	16,181	96	75	1.918	28,036	73,605	2,625	2,160
47	26	94.821	11.979,502	196.594,677	16,411	15,945	97	76	1.301	18,200	45,569	2,504	2,038
48	27	94.439	11.417,475	184.615,175	16,170	15,704	98	77	856	11,452	27,369	2,390	1,924
49	28	94.026	10.878,038	173.197,700	15,922	15,456	99	78	544	6,971	15,917	2,283	1,818
							100	79	334	4,097	8,946	2,184	1,718

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 22 Jahre

Zinsfuß 4,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	${}^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	${}^{(12)}\ddot{a}_{xy}$
0							50	28	93.604	10.362,884	162.535,415	15,684	15,219
1							51	29	93.113	9.864,566	152.172,532	15,426	14,961
2							52	30	92.603	9.388,122	142.307,965	15,158	14,693
3							53	31	92.030	8.928,235	132.919,844	14,888	14,422
4							54	32	91.419	8.487,031	123.991,608	14,610	14,144
5							55	33	90.766	8.063,546	115.504,578	14,324	13,859
6							56	34	90.050	7.655,492	107.441,031	14,035	13,569
7							57	35	89.303	7.265,051	99.785,539	13,735	13,269
8							58	36	88.485	6.888,518	92.520,488	13,431	12,966
9							59	37	87.592	6.525,370	85.631,970	13,123	12,657
10							60	38	86.619	6.174,949	79.106,600	12,811	12,345
11							61	39	85.583	5.838,429	72.931,651	12,492	12,026
12							62	40	84.488	5.515,489	67.093,222	12,165	11,699
13							63	41	83.277	5.202,357	61.577,733	11,837	11,371
14							64	42	81.993	4.901,541	56.375,376	11,502	11,036
15							65	43	80.608	4.611,254	51.473,835	11,163	10,697
16							66	44	79.093	4.329,776	46.862,581	10,823	10,358
17							67	45	77.472	4.058,388	42.532,806	10,480	10,015
18							68	46	75.692	3.794,410	38.474,418	10,140	9,674
19							69	47	73.770	3.538,810	34.680,008	9,800	9,334
20							70	48	71.731	3.292,799	31.141,198	9,457	8,992
21							71	49	69.537	3.054,654	27.848,399	9,117	8,651
22	0	98.906	37.554,598	770.916,062	20,528	20,062	72	50	67.186	2.824,249	24.793,745	8,779	8,313
23	1	98.456	35.773,969	733.361,465	20,500	20,034	73	51	64.657	2.600,896	21.969,496	8,447	7,981
24	2	98.348	34.195,838	697.587,495	20,400	19,934	74	52	61.976	2.385,721	19.368,600	8,119	7,653
25	3	98.257	32.693,081	663.391,657	20,291	19,826	75	53	59.166	2.179,452	16.982,879	7,792	7,327
26	4	98.168	31.256,995	630.698,576	20,178	19,712	76	54	56.252	1.982,890	14.803,427	7,466	7,000
27	5	98.085	29.885,748	599.441,580	20,058	19,592	77	55	53.260	1.796,573	12.820,536	7,136	6,670
28	6	98.002	28.574,614	569.555,832	19,932	19,467	78	56	50.154	1.618,952	11.023,963	6,809	6,344
29	7	97.921	27.321,512	540.981,218	19,801	19,335	79	57	46.920	1.449,351	9.405,011	6,489	6,024
30	8	97.844	26.124,323	513.659,706	19,662	19,197	80	58	43.600	1.288,800	7.955,660	6,173	5,707
31	9	97.763	24.978,691	487.535,383	19,518	19,052	81	59	40.166	1.136,147	6.666,860	5,868	5,402
32	10	97.680	23.882,634	462.556,692	19,368	18,902	82	60	36.680	992,882	5.530,713	5,570	5,105
33	11	97.591	22.833,552	438.674,058	19,212	18,746	83	61	33.054	856,205	4.537,831	5,300	4,834
34	12	97.497	21.829,074	415.840,506	19,050	18,584	84	62	29.519	731,708	3.681,626	5,032	4,566
35	13	97.395	20.867,343	394.011,432	18,882	18,416	85	63	26.099	619,071	2.949,917	4,765	4,299
36	14	97.284	19.945,919	373.144,089	18,708	18,242	86	64	22.909	520,010	2.330,846	4,482	4,017
37	15	97.163	19.063,236	353.198,170	18,528	18,062	87	65	19.729	428,543	1.810,836	4,226	3,760
38	16	97.028	18.217,037	334.134,933	18,342	17,876	88	66	16.630	345,658	1.382,293	3,999	3,533
39	17	96.874	17.404,863	315.917,897	18,151	17,686	89	67	13.752	273,530	1.036,635	3,790	3,324
40	18	96.703	16.626,042	298.513,034	17,955	17,489	90	68	11.165	212,507	763,105	3,591	3,125
41	19	96.509	15.878,120	281.886,992	17,753	17,288	91	69	8.896	162,028	550,598	3,398	2,933
42	20	96.299	15.161,305	266.008,872	17,545	17,080	92	70	6.914	120,514	388,570	3,224	2,759
43	21	96.056	14.471,854	250.847,567	17,333	16,868	93	71	5.249	87,547	268,056	3,062	2,596
44	22	95.795	13.811,001	236.375,713	17,115	16,649	94	72	3.885	62,007	180,509	2,911	2,446
45	23	95.512	13.177,244	222.564,712	16,890	16,424	95	73	2.800	42,774	118,503	2,770	2,305
46	24	95.193	12.567,721	209.387,468	16,661	16,195	96	74	1.963	28,689	75,728	2,640	2,174
47	25	94.844	11.982,450	196.819,747	16,426	15,960	97	75	1.336	18,685	47,039	2,518	2,052
48	26	94.466	11.420,672	184.837,297	16,184	15,719	98	76	881	11,793	28,354	2,404	1,939
49	27	94.054	10.881,209	173.416,624	15,937	15,472	99	77	563	7,206	16,561	2,298	1,833
							100	78	347	4,254	9,356	2,199	1,733

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 23 Jahre

Zinsfuß 4,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	27	93.631	10.365,905	162.733,111	15,699	15,233
1							51	28	93.140	9.867,495	152.367,206	15,441	14,976
2							52	29	92.630	9.390,871	142.499,712	15,174	14,709
3							53	30	92.060	8.931,160	133.108,841	14,904	14,438
4							54	31	91.451	8.490,063	124.177,681	14,626	14,161
5							55	32	90.798	8.066,415	115.687,618	14,342	13,876
6							56	33	90.086	7.658,553	107.621,203	14,052	13,587
7							57	34	89.345	7.268,459	99.962,651	13,753	13,287
8							58	35	88.531	6.892,046	92.694,192	13,449	12,984
9							59	36	87.642	6.529,062	85.802,146	13,142	12,676
10							60	37	86.672	6.178,738	79.273,084	12,830	12,364
11							61	38	85.643	5.842,516	73.094,346	12,511	12,045
12							62	39	84.555	5.519,907	67.251,830	12,184	11,718
13							63	40	83.350	5.206,887	61.731,923	11,856	11,390
14							64	41	82.074	4.906,391	56.525,037	11,521	11,055
15							65	42	80.699	4.616,446	51.618,646	11,181	10,716
16							66	43	79.196	4.335,403	47.002,200	10,841	10,376
17							67	44	77.580	4.064,045	42.666,797	10,499	10,033
18							68	45	75.813	3.800,437	38.602,752	10,157	9,692
19							69	46	73.903	3.545,177	34.802,315	9,817	9,351
20							70	47	71.871	3.299,215	31.257,138	9,474	9,009
21							71	48	69.685	3.061,143	27.957,923	9,133	8,668
22							72	49	67.348	2.831,063	24.896,780	8,794	8,329
23	0	98.831	35.910,319	733.789,105	20,434	19,968	73	50	64.820	2.607,484	22.065,717	8,462	7,997
24	1	98.383	34.208,089	697.878,786	20,401	19,935	74	51	62.149	2.392,365	19.458,233	8,133	7,668
25	2	98.276	32.699,547	663.670,697	20,296	19,830	75	52	59.345	2.186,061	17.065,867	7,807	7,341
26	3	98.185	31.262,361	630.971,151	20,183	19,717	76	53	56.430	1.989,171	14.879,806	7,480	7,015
27	4	98.098	29.889,609	599.708,789	20,064	19,599	77	54	53.446	1.802,844	12.890,635	7,150	6,685
28	5	98.015	28.578,350	569.819,180	19,939	19,473	78	55	50.345	1.625,106	11.087,791	6,823	6,357
29	6	97.930	27.324,030	541.240,830	19,808	19,343	79	56	47.109	1.455,193	9.462,685	6,503	6,037
30	7	97.852	26.126,598	513.916,801	19,670	19,205	80	57	43.796	1.294,578	8.007,492	6,185	5,720
31	8	97.772	24.981,089	487.790,202	19,526	19,061	81	58	40.360	1.141,644	6.712,914	5,880	5,414
32	9	97.686	23.884,178	462.809,114	19,377	18,912	82	59	36.868	997,956	5.571,269	5,583	5,117
33	10	97.599	22.835,472	438.924,936	19,221	18,756	83	60	33.237	860,944	4.573,314	5,312	4,846
34	11	97.506	21.831,122	416.089,464	19,059	18,594	84	61	29.686	735,849	3.712,370	5,045	4,579
35	12	97.403	20.869,115	394.258,342	18,892	18,426	85	62	26.264	622,992	2.976,521	4,778	4,312
36	13	97.293	19.947,852	373.389,227	18,718	18,253	86	63	23.066	523,571	2.353,529	4,495	4,030
37	14	97.174	19.065,458	353.441,375	18,538	18,073	87	64	19.875	431,700	1.829,958	4,239	3,773
38	15	97.045	18.220,292	334.375,917	18,352	17,886	88	65	16.766	348,505	1.398,258	4,012	3,547
39	16	96.894	17.408,550	316.155,625	18,161	17,695	89	66	13.877	276,030	1.049,753	3,803	3,337
40	17	96.724	16.629,701	298.747,075	17,965	17,499	90	67	11.279	214,689	773,723	3,604	3,138
41	18	96.537	15.882,688	282.117,375	17,763	17,297	91	68	8.998	163,902	559,034	3,411	2,945
42	19	96.325	15.165,509	266.234,687	17,555	17,090	92	69	7.003	122,071	395,131	3,237	2,771
43	20	96.086	14.476,427	251.069,178	17,343	16,878	93	70	5.324	88,809	273,060	3,075	2,609
44	21	95.818	13.814,381	236.592,752	17,127	16,661	94	71	3.949	63,029	184,251	2,923	2,458
45	22	95.538	13.180,812	222.778,371	16,902	16,436	95	72	2.852	43,560	121,222	2,783	2,317
46	23	95.218	12.571,001	209.597,558	16,673	16,207	96	73	2.004	29,286	77,663	2,652	2,186
47	24	94.870	11.985,706	197.026,557	16,438	15,973	97	74	1.367	19,120	48,377	2,530	2,065
48	25	94.489	11.423,483	185.040,851	16,198	15,733	98	75	905	12,107	29,257	2,417	1,951
49	26	94.080	10.884,256	173.617,367	15,951	15,486	99	76	579	7,420	17,150	2,311	1,846
							100	77	359	4,397	9,730	2,213	1,747

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 24 Jahre

Zinsfuß 4,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	26	93.658	10.368,808	162.914,375	15,712	15,246
1							51	27	93.167	9.870,372	152.545,567	15,455	14,989
2							52	28	92.658	9.393,659	142.675,196	15,188	14,723
3							53	29	92.087	8.933,775	133.281,537	14,919	14,453
4							54	30	91.481	8.492,844	124.347,762	14,641	14,176
5							55	31	90.830	8.069,297	115.854,918	14,357	13,892
6							56	32	90.118	7.661,118	107.785,622	14,069	13,603
7							57	33	89.381	7.271,364	100.124,345	13,770	13,304
8							58	34	88.572	6.895,279	92.852,980	13,466	13,001
9							59	35	87.687	6.532,406	85.957,702	13,159	12,693
10							60	36	86.721	6.182,234	79.425,295	12,847	12,382
11							61	37	85.696	5.846,101	73.243,062	12,529	12,063
12							62	38	84.615	5.523,771	67.396,961	12,201	11,736
13							63	39	83.417	5.211,057	61.873,190	11,873	11,408
14							64	40	82.145	4.910,663	56.662,133	11,539	11,073
15							65	41	80.779	4.621,013	51.751,470	11,199	10,734
16							66	42	79.285	4.340,284	47.130,457	10,859	10,393
17							67	43	77.681	4.069,327	42.790,173	10,515	10,050
18							68	44	75.918	3.805,735	38.720,845	10,174	9,709
19							69	45	74.020	3.550,809	34.915,111	9,833	9,367
20							70	46	72.000	3.305,151	31.364,302	9,490	9,024
21							71	47	69.821	3.067,108	28.059,151	9,148	8,683
22							72	48	67.491	2.837,077	24.992,043	8,809	8,343
23							73	49	64.977	2.613,775	22.154,966	8,476	8,011
24	0	98.758	34.338,470	698.276,946	20,335	19,870	74	50	62.306	2.398,425	19.541,191	8,148	7,682
25	1	98.312	32.711,262	663.938,476	20,297	19,831	75	51	59.510	2.192,149	17.142,766	7,820	7,354
26	2	98.204	31.268,544	631.227,214	20,187	19,722	76	52	56.601	1.995,203	14.950,617	7,493	7,028
27	3	98.115	29.894,740	599.958,670	20,069	19,603	77	53	53.615	1.808,555	12.955,414	7,163	6,698
28	4	98.028	28.582,042	570.063,930	19,945	19,479	78	54	50.520	1.630,778	11.146,859	6,835	6,370
29	5	97.943	27.327,602	541.481,888	19,814	19,349	79	55	47.288	1.460,725	9.516,081	6,515	6,049
30	6	97.861	26.129,006	514.154,286	19,678	19,212	80	56	43.972	1.299,796	8.055,356	6,197	5,732
31	7	97.781	24.983,264	488.025,280	19,534	19,068	81	57	40.541	1.146,762	6.755,560	5,891	5,425
32	8	97.695	23.886,470	463.042,016	19,385	18,920	82	58	37.046	1.002,785	5.608,797	5,593	5,128
33	9	97.606	22.836,948	439.155,545	19,230	18,764	83	59	33.407	865,343	4.606,012	5,323	4,857
34	10	97.514	21.832,958	416.318,598	19,068	18,603	84	60	29.851	739,922	3.740,669	5,055	4,590
35	11	97.413	20.871,073	394.485,640	18,901	18,435	85	61	26.413	626,517	3.000,747	4,790	4,324
36	12	97.301	19.949,546	373.614,568	18,728	18,262	86	62	23.212	526,887	2.374,230	4,506	4,041
37	13	97.183	19.067,305	353.665,021	18,548	18,083	87	63	20.011	434,656	1.847,343	4,250	3,785
38	14	97.057	18.222,415	334.597,716	18,362	17,896	88	64	16.890	351,072	1.412,687	4,024	3,558
39	15	96.912	17.411,661	316.375,300	18,170	17,705	89	65	13.992	278,303	1.061,615	3,815	3,349
40	16	96.745	16.633,223	298.963,640	17,974	17,508	90	66	11.382	216,651	783,312	3,616	3,150
41	17	96.558	15.886,183	282.330,417	17,772	17,306	91	67	9.091	165,586	566,660	3,422	2,957
42	18	96.353	15.169,871	266.444,234	17,564	17,098	92	68	7.084	123,483	401,075	3,248	2,782
43	19	96.113	14.480,441	251.274,362	17,353	16,887	93	69	5.393	89,957	277,591	3,086	2,620
44	20	95.849	13.818,746	236.793,922	17,136	16,670	94	70	4.006	63,937	187,634	2,935	2,469
45	21	95.561	13.184,038	222.975,176	16,913	16,447	95	71	2.899	44,278	123,697	2,794	2,328
46	22	95.244	12.574,406	209.791,138	16,684	16,218	96	72	2.040	29,823	79,419	2,663	2,197
47	23	94.895	11.988,834	197.216,732	16,450	15,984	97	73	1.395	19,518	49,596	2,541	2,075
48	24	94.515	11.426,588	185.227,898	16,210	15,745	98	74	926	12,389	30,078	2,428	1,962
49	25	94.103	10.886,935	173.801,310	15,964	15,499	99	75	595	7,618	17,689	2,322	1,856
							100	76	369	4,528	10,071	2,224	1,758

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 25 Jahre

Zinsfuß 4,50%

Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	25	93.681	10.371,360	163.080,442	15,724	15,259
1							51	26	93.194	9.873,136	152.709,082	15,467	15,002
2							52	27	92.685	9.396,397	142.835,947	15,201	14,736
3							53	28	92.114	8.936,427	133.439,550	14,932	14,466
4							54	29	91.508	8.495,331	124.503,122	14,655	14,190
5							55	30	90.860	8.071,940	116.007,792	14,372	13,906
6							56	31	90.151	7.664,014	107.935,852	14,083	13,618
7							57	32	89.413	7.273,951	100.271,838	13,785	13,319
8							58	33	88.607	6.898,035	92.997,887	13,482	13,016
9							59	34	87.728	6.535,470	86.099,852	13,174	12,709
10							60	35	86.765	6.185,400	79.564,381	12,863	12,398
11							61	36	85.744	5.849,408	73.378,981	12,545	12,079
12							62	37	84.667	5.527,160	67.529,573	12,218	11,752
13							63	38	83.475	5.214,705	62.002,413	11,890	11,424
14							64	39	82.211	4.914,596	56.787,708	11,555	11,089
15							65	40	80.849	4.625,037	51.873,112	11,216	10,750
16							66	41	79.364	4.344,579	47.248,075	10,875	10,410
17							67	42	77.768	4.073,909	42.903,496	10,531	10,066
18							68	43	76.017	3.810,681	38.829,587	10,190	9,724
19							69	44	74.124	3.555,759	35.018,906	9,849	9,383
20							70	45	72.114	3.310,401	31.463,147	9,504	9,039
21							71	46	69.947	3.072,626	28.152,746	9,162	8,697
22							72	47	67.622	2.842,605	25.080,120	8,823	8,357
23							73	48	65.115	2.619,328	22.237,515	8,490	8,024
24							74	49	62.457	2.404,212	19.618,187	8,160	7,694
25	0	98.686	32.835,938	664.309,316	20,231	19,766	75	50	59.661	2.197,702	17.213,976	7,833	7,367
26	1	98.240	31.279,746	631.473,378	20,188	19,722	76	51	56.759	2.000,760	15.016,274	7,505	7,040
27	2	98.134	29.900,652	600.193,632	20,073	19,607	77	52	53.778	1.814,039	13.015,514	7,175	6,709
28	3	98.045	28.586,948	570.292,980	19,949	19,484	78	53	50.680	1.635,944	11.201,475	6,847	6,381
29	4	97.956	27.331,132	541.706,031	19,820	19,354	79	54	47.454	1.465,823	9.565,531	6,526	6,060
30	5	97.874	26.132,422	514.374,899	19,683	19,218	80	55	44.139	1.304,737	8.099,708	6,208	5,742
31	6	97.790	24.985,567	488.242,477	19,541	19,075	81	56	40.704	1.151,385	6.794,971	5,902	5,436
32	7	97.704	23.888,551	463.256,911	19,392	18,927	82	57	37.212	1.007,280	5.643,586	5,603	5,137
33	8	97.615	22.839,140	439.368,360	19,238	18,772	83	58	33.569	869,531	4.636,306	5,332	4,866
34	9	97.520	21.834,368	416.529,220	19,077	18,611	84	59	30.003	743,702	3.766,775	5,065	4,599
35	10	97.421	20.872,828	394.694,851	18,910	18,444	85	60	26.559	629,985	3.023,073	4,799	4,333
36	11	97.311	19.951,417	373.822,023	18,737	18,271	86	61	23.344	529,868	2.393,088	4,516	4,051
37	12	97.192	19.068,925	353.870,606	18,557	18,092	87	62	20.137	437,409	1.863,219	4,260	3,794
38	13	97.066	18.224,181	334.801,681	18,371	17,906	88	63	17.006	353,476	1.425,810	4,034	3,568
39	14	96.923	17.413,690	316.577,500	18,180	17,714	89	64	14.095	280,353	1.072,334	3,825	3,359
40	15	96.762	16.636,196	299.163,810	17,983	17,517	90	65	11.476	218,436	791,981	3,626	3,160
41	16	96.578	15.889,548	282.527,615	17,781	17,315	91	66	9.174	167,099	573,545	3,432	2,967
42	17	96.374	15.173,210	266.638,067	17,573	17,107	92	67	7.157	124,751	406,446	3,258	2,792
43	18	96.141	14.484,606	251.464,857	17,361	16,895	93	68	5.456	90,998	281,695	3,096	2,630
44	19	95.875	13.822,578	236.980,251	17,144	16,679	94	69	4.058	64,764	190,697	2,945	2,479
45	20	95.591	13.188,203	223.157,673	16,921	16,455	95	70	2.941	44,916	125,933	2,804	2,338
46	21	95.267	12.577,483	209.969,469	16,694	16,228	96	71	2.074	30,315	81,017	2,673	2,207
47	22	94.921	11.992,081	197.391,986	16,460	15,995	97	72	1.421	19,876	50,702	2,551	2,085
48	23	94.539	11.429,570	185.399,905	16,221	15,755	98	73	945	12,647	30,826	2,438	1,972
49	24	94.129	10.889,894	173.970,336	15,975	15,510	99	74	609	7,795	18,180	2,332	1,867
							100	75	379	4,649	10,384	2,234	1,768

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 0 Jahre

Zinsfuß 4,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	0	100.000	100.000,000	2.083.945,795	20,839	20,373	50	50	91.638	9.002,717	128.749,100	14,301	13,835
1	1	99.166	94.669,029	1.983.945,795	20,957	20,491	51	51	90.953	8.530,284	119.746,383	14,038	13,572
2	2	99.090	90.307,296	1.889.276,766	20,921	20,455	52	52	90.231	8.078,780	111.216,099	13,766	13,300
3	3	99.051	86.177,817	1.798.969,470	20,875	20,409	53	53	89.431	7.644,027	103.137,319	13,493	13,027
4	4	99.016	82.240,865	1.712.791,653	20,827	20,361	54	54	88.588	7.228,635	95.493,292	13,210	12,744
5	5	98.990	78.490,899	1.630.550,787	20,774	20,308	55	55	87.680	6.830,148	88.264,657	12,923	12,457
6	6	98.963	74.911,590	1.552.059,889	20,719	20,253	56	56	86.694	6.447,113	81.434,509	12,631	12,165
7	7	98.942	71.499,721	1.477.148,298	20,659	20,193	57	57	85.670	6.082,045	74.987,396	12,329	11,863
8	8	98.922	68.243,118	1.405.648,577	20,598	20,132	58	58	84.550	5.730,319	68.905,351	12,025	11,559
9	9	98.900	65.134,562	1.337.405,459	20,533	20,067	59	59	83.341	5.392,245	63.175,033	11,716	11,250
10	10	98.885	62.171,130	1.272.270,898	20,464	19,998	60	60	82.046	5.067,724	57.782,788	11,402	10,936
11	11	98.867	59.341,346	1.210.099,768	20,392	19,926	61	61	80.675	4.757,126	52.715,064	11,081	10,615
12	12	98.844	56.636,953	1.150.758,422	20,318	19,852	62	62	79.258	4.461,612	47.957,937	10,749	10,283
13	13	98.822	54.057,038	1.094.121,469	20,240	19,774	63	63	77.698	4.175,482	43.496,325	10,417	9,951
14	14	98.800	51.594,074	1.040.064,430	20,159	19,693	64	64	76.054	3.901,816	39.320,843	10,078	9,612
15	15	98.770	49.239,661	988.470,356	20,075	19,609	65	65	74.307	3.639,289	35.419,027	9,732	9,266
16	16	98.729	46.987,351	939.230,696	19,989	19,523	66	66	72.409	3.385,538	31.779,739	9,387	8,921
17	17	98.670	44.829,983	892.243,345	19,903	19,437	67	67	70.380	3.141,463	28.394,201	9,039	8,573
18	18	98.599	42.766,016	847.413,362	19,815	19,349	68	68	68.173	2.904,939	25.252,738	8,693	8,227
19	19	98.496	40.784,046	804.647,346	19,729	19,263	69	69	65.800	2.676,684	22.347,800	8,349	7,883
20	20	98.389	38.892,508	763.863,300	19,640	19,174	70	70	63.288	2.457,741	19.671,116	8,004	7,538
21	21	98.283	37.088,939	724.970,793	19,547	19,081	71	71	60.609	2.246,983	17.213,375	7,661	7,195
22	22	98.182	35.370,683	687.881,853	19,448	18,982	72	72	57.749	2.043,859	14.966,392	7,323	6,857
23	23	98.081	33.732,168	652.511,170	19,344	18,878	73	73	54.711	1.848,547	12.922,533	6,991	6,525
24	24	97.983	32.170,283	618.779,002	19,234	18,768	74	74	51.518	1.661,722	11.073,986	6,664	6,198
25	25	97.886	30.680,866	586.608,719	19,120	18,654	75	75	48.208	1.484,443	9.412,265	6,341	5,875
26	26	97.790	29.260,983	555.927,853	18,999	18,533	76	76	44.787	1.316,564	7.927,822	6,022	5,556
27	27	97.693	27.906,320	526.666,870	18,873	18,407	77	77	41.321	1.159,594	6.611,258	5,701	5,235
28	28	97.594	26.614,068	498.760,549	18,740	18,274	78	78	37.788	1.012,375	5.451,664	5,385	4,919
29	29	97.494	25.381,014	472.146,481	18,602	18,136	79	79	34.179	874,155	4.439,289	5,078	4,612
30	30	97.396	24.205,955	446.765,467	18,457	17,991	80	80	30.561	746,176	3.565,134	4,778	4,312
31	31	97.293	23.083,868	422.559,512	18,305	17,839	81	81	26.911	627,277	2.818,958	4,494	4,028
32	32	97.182	22.011,838	399.475,644	18,148	17,682	82	82	23.325	519,025	2.191,681	4,223	3,757
33	33	97.068	20.989,006	377.463,806	17,984	17,518	83	83	19.770	419,966	1.672,656	3,983	3,517
34	34	96.944	20.011,661	356.474,800	17,813	17,347	84	84	16.483	334,268	1.252,690	3,748	3,282
35	35	96.806	19.077,017	336.463,139	17,637	17,171	85	85	13.487	261,107	918,422	3,517	3,051
36	36	96.655	18.183,577	317.386,122	17,455	16,989	86	86	10.885	201,173	657,315	3,267	2,801
37	37	96.491	17.329,623	299.202,545	17,265	16,799	87	87	8.491	149,814	456,141	3,045	2,579
38	38	96.316	16.513,673	281.872,922	17,069	16,603	88	88	6.365	107,216	306,327	2,857	2,391
39	39	96.116	15.732,107	265.359,249	16,867	16,401	89	89	4.613	74,180	199,112	2,684	2,218
40	40	95.891	14.983,569	249.627,143	16,660	16,194	90	90	3.223	49,474	124,932	2,525	2,059
41	41	95.642	14.267,066	234.643,573	16,447	15,981	91	91	2.173	31,845	75,458	2,370	1,904
42	42	95.366	13.580,799	220.376,507	16,227	15,761	92	92	1.390	19,449	43,613	2,242	1,776
43	43	95.049	12.921,820	206.795,708	16,004	15,538	93	93	851	11,362	24,164	2,127	1,661
44	44	94.691	12.289,356	193.873,888	15,776	15,310	94	94	497	6,332	12,802	2,022	1,556
45	45	94.305	11.684,319	181.584,532	15,541	15,075	95	95	276	3,359	6,470	1,926	1,460
46	46	93.866	11.102,522	169.900,213	15,303	14,837	96	96	146	1,691	3,111	1,840	1,374
47	47	93.379	10.544,119	158.797,692	15,060	14,594	97	97	73	0,806	1,420	1,761	1,295
48	48	92.848	10.008,756	148.253,573	14,812	14,346	98	98	34	0,363	0,614	1,689	1,223
49	49	92.273	9.495,717	138.244,817	14,559	14,093	99	99	15	0,154	0,250	1,624	1,158
							100	100	6	0,061	0,096	1,565	1,099

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -1 Jahr

Zinsfuß 4,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	1	99.620	99.620,306	2.081.814,917	20,897	20,431	50	51	91.406	8.979,971	127.551,910	14,204	13,738
1	2	99.130	94.635,125	1.982.194,611	20,946	20,480	51	52	90.701	8.506,593	118.571,940	13,939	13,473
2	3	99.071	90.289,441	1.887.559,486	20,906	20,440	52	53	89.958	8.054,356	110.065,347	13,665	13,199
3	4	99.034	86.163,025	1.797.270,045	20,859	20,393	53	54	89.148	7.619,891	102.010,991	13,387	12,921
4	5	99.003	82.230,244	1.711.107,020	20,809	20,343	54	55	88.280	7.203,492	94.391,100	13,104	12,638
5	6	98.977	78.480,638	1.628.876,776	20,755	20,289	55	56	87.348	6.804,283	87.187,608	12,814	12,348
6	7	98.954	74.904,688	1.550.396,138	20,698	20,232	56	57	86.346	6.421,229	80.383,324	12,518	12,052
7	8	98.934	71.493,494	1.475.491,451	20,638	20,172	57	58	85.288	6.054,901	73.962,095	12,215	11,749
8	9	98.912	68.236,567	1.403.997,957	20,575	20,109	58	59	84.143	5.702,723	67.907,195	11,908	11,442
9	10	98.894	65.130,353	1.335.761,390	20,509	20,043	59	60	82.917	5.364,832	62.204,471	11,595	11,129
10	11	98.876	62.165,901	1.270.631,036	20,439	19,973	60	61	81.594	5.039,830	56.839,639	11,278	10,812
11	12	98.858	59.335,781	1.208.465,135	20,367	19,901	61	62	80.221	4.730,356	51.799,809	10,951	10,485
12	13	98.835	56.632,143	1.149.129,354	20,291	19,825	62	63	78.759	4.433,536	47.069,453	10,617	10,151
13	14	98.813	54.051,801	1.092.497,211	20,212	19,746	63	64	77.170	4.147,081	42.635,917	10,281	9,815
14	15	98.788	51.588,062	1.038.445,410	20,130	19,664	64	65	75.498	3.873,282	38.488,836	9,937	9,471
15	16	98.752	49.230,863	986.857,348	20,046	19,579	65	66	73.700	3.609,565	34.615,554	9,590	9,124
16	17	98.708	46.977,400	937.626,485	19,959	19,493	66	67	71.753	3.354,876	31.005,988	9,242	8,776
17	18	98.649	44.820,119	890.649,085	19,872	19,406	67	68	69.665	3.109,530	27.651,112	8,892	8,426
18	19	98.570	42.753,717	845.828,966	19,784	19,318	68	69	67.393	2.871,713	24.541,583	8,546	8,080
19	20	98.468	40.772,740	803.075,249	19,696	19,230	69	70	64.960	2.642,534	21.669,869	8,200	7,734
20	21	98.358	38.880,223	762.302,508	19,606	19,140	70	71	62.388	2.422,808	19.027,335	7,853	7,387
21	22	98.259	37.079,865	723.422,285	19,510	19,044	71	72	59.626	2.210,554	16.604,527	7,511	7,045
22	23	98.155	35.361,107	686.342,420	19,410	18,944	72	73	56.707	2.007,010	14.393,973	7,172	6,706
23	24	98.056	33.723,367	650.981,313	19,304	18,838	73	74	53.596	1.810,888	12.386,963	6,840	6,374
24	25	97.957	32.161,543	617.257,946	19,192	18,726	74	75	50.345	1.623,898	10.576,076	6,513	6,047
25	26	97.861	30.673,316	585.096,403	19,075	18,609	75	76	46.958	1.445,955	8.952,178	6,191	5,725
26	27	97.762	29.252,791	554.423,087	18,953	18,487	76	77	43.490	1.278,452	7.506,223	5,871	5,405
27	28	97.664	27.898,188	525.170,296	18,825	18,359	77	78	39.976	1.121,870	6.227,771	5,551	5,085
28	29	97.565	26.606,169	497.272,108	18,690	18,224	78	79	36.388	974,854	5.105,902	5,238	4,772
29	30	97.465	25.373,585	470.665,940	18,549	18,083	79	80	32.741	837,383	4.131,048	4,933	4,467
30	31	97.365	24.198,030	445.292,355	18,402	17,936	80	81	29.072	709,826	3.293,665	4,640	4,174
31	32	97.259	23.075,622	421.094,325	18,248	17,782	81	82	25.411	592,310	2.583,839	4,362	3,896
32	33	97.147	22.004,011	398.018,703	18,088	17,622	82	83	21.818	485,484	1.991,528	4,102	3,636
33	34	97.029	20.980,619	376.014,692	17,922	17,456	83	84	18.353	389,872	1.506,045	3,863	3,397
34	35	96.898	20.002,279	355.034,072	17,750	17,284	84	85	15.158	307,406	1.116,173	3,631	3,165
35	36	96.756	19.067,250	335.031,793	17,571	17,105	85	86	12.316	238,437	808,767	3,392	2,926
36	37	96.600	18.173,295	315.964,543	17,386	16,920	86	87	9.787	180,892	570,330	3,153	2,687
37	38	96.432	17.318,996	297.791,248	17,194	16,728	87	88	7.490	132,154	389,438	2,947	2,481
38	39	96.248	16.502,121	280.472,252	16,996	16,530	88	89	5.528	93,114	257,284	2,763	2,297
39	40	96.039	15.719,517	263.970,131	16,793	16,327	89	90	3.929	63,185	164,170	2,598	2,132
40	41	95.807	14.970,534	248.250,614	16,583	16,117	90	91	2.696	41,387	100,985	2,440	1,974
41	42	95.548	14.252,963	233.280,080	16,367	15,901	91	92	1.766	25,877	59,598	2,303	1,837
42	43	95.259	13.565,525	219.027,116	16,146	15,680	92	93	1.105	15,454	33,721	2,182	1,716
43	44	94.926	12.905,047	205.461,591	15,921	15,455	93	94	660	8,817	18,267	2,072	1,606
44	45	94.559	12.272,249	192.556,544	15,690	15,224	94	95	376	4,793	9,450	1,972	1,506
45	46	94.155	11.665,788	180.284,295	15,454	14,988	95	96	203	2,476	4,657	1,881	1,415
46	47	93.697	11.082,582	168.618,508	15,215	14,749	96	97	104	1,213	2,181	1,798	1,332
47	48	93.198	10.523,614	157.535,926	14,970	14,504	97	98	51	0,562	0,968	1,723	1,257
48	49	92.651	9.987,538	147.012,312	14,720	14,254	98	99	23	0,246	0,406	1,655	1,189
49	50	92.051	9.472,864	137.024,774	14,465	13,999	99	100	10	0,101	0,161	1,593	1,127
							100	101	4	0,039	0,060	1,537	1,071

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -2 Jahre

Zinsfuß 4,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	2	99.585	99.584,628	2.079.920,404	20,886	20,420	50	52	91.153	8.955,031	126.262,550	14,100	13,634
1	3	99.111	94.616,414	1.980.335,776	20,930	20,464	51	53	90.427	8.480,876	117.307,519	13,832	13,366
2	4	99.054	90.273,943	1.885.719,362	20,889	20,423	52	54	89.674	8.028,924	108.826,643	13,554	13,088
3	5	99.021	86.151,896	1.795.445,418	20,840	20,374	53	55	88.838	7.593,387	100.797,719	13,274	12,808
4	6	98.990	82.219,494	1.709.293,522	20,789	20,323	54	56	87.945	7.176,214	93.204,332	12,988	12,522
5	7	98.968	78.473,406	1.627.074,028	20,734	20,268	55	57	86.998	6.776,966	86.028,118	12,694	12,228
6	8	98.945	74.898,164	1.548.600,621	20,676	20,210	56	58	85.961	6.392,571	79.251,152	12,397	11,931
7	9	98.924	71.486,631	1.473.702,457	20,615	20,149	57	59	84.877	6.025,742	72.858,582	12,091	11,625
8	10	98.906	68.232,158	1.402.215,826	20,551	20,085	58	60	83.715	5.673,732	66.832,839	11,779	11,313
9	11	98.886	65.124,876	1.333.983,668	20,483	20,017	59	61	82.461	5.335,302	61.159,107	11,463	10,997
10	12	98.867	62.160,072	1.268.858,792	20,413	19,947	60	62	81.135	5.011,469	55.823,805	11,139	10,673
11	13	98.849	59.330,742	1.206.698,720	20,339	19,872	61	63	79.716	4.700,589	50.812,336	10,810	10,344
12	14	98.826	56.626,656	1.147.367,978	20,262	19,796	62	64	78.223	4.403,380	46.111,747	10,472	10,006
13	15	98.801	54.045,502	1.090.741,322	20,182	19,716	63	65	76.605	4.116,754	41.708,367	10,131	9,665
14	16	98.771	51.578,845	1.036.695,820	20,099	19,633	64	66	74.882	3.841,648	37.591,613	9,785	9,319
15	17	98.732	49.220,437	985.116,975	20,014	19,548	65	67	73.032	3.576,875	33.749,965	9,436	8,970
16	18	98.687	46.967,064	935.896,538	19,927	19,461	66	68	71.024	3.320,774	30.173,090	9,086	8,620
17	19	98.620	44.807,229	888.929,474	19,839	19,373	67	69	68.868	3.073,964	26.852,316	8,735	8,269
18	20	98.543	42.741,865	844.122,244	19,749	19,283	68	70	66.533	2.835,075	23.778,352	8,387	7,921
19	21	98.437	40.759,862	801.380,379	19,661	19,195	69	71	64.037	2.604,974	20.943,277	8,040	7,574
20	22	98.334	38.870,710	760.620,517	19,568	19,102	70	72	61.377	2.383,529	18.338,302	7,694	7,228
21	23	98.233	37.069,826	721.749,807	19,470	19,004	71	73	58.551	2.170,700	15.954,773	7,350	6,884
22	24	98.130	35.351,881	684.679,981	19,368	18,902	72	74	55.552	1.966,122	13.784,074	7,011	6,545
23	25	98.029	33.714,205	649.328,100	19,260	18,794	73	75	52.376	1.769,669	11.817,952	6,678	6,212
24	26	97.932	32.153,629	615.613,894	19,146	18,680	74	76	49.040	1.581,794	10.048,283	6,352	5,886
25	27	97.834	30.664,729	583.460,265	19,027	18,561	75	77	45.598	1.404,097	8.466,489	6,030	5,564
26	28	97.734	29.244,266	552.795,536	18,903	18,437	76	78	42.075	1.236,860	7.062,392	5,710	5,244
27	29	97.635	27.889,907	523.551,270	18,772	18,306	77	79	38.495	1.080,291	5.825,531	5,393	4,927
28	30	97.537	26.598,381	495.661,363	18,635	18,169	78	80	34.857	933,846	4.745,241	5,081	4,615
29	31	97.433	25.365,277	469.062,983	18,492	18,026	79	81	31.146	796,590	3.811,395	4,785	4,319
30	32	97.330	24.189,386	443.697,706	18,343	17,877	80	82	27.451	670,258	3.014,805	4,498	4,032
31	33	97.224	23.067,417	419.508,320	18,186	17,720	81	83	23.769	554,033	2.344,547	4,232	3,766
32	34	97.109	21.995,219	396.440,903	18,024	17,558	82	84	20.254	450,695	1.790,514	3,973	3,507
33	35	96.983	20.970,783	374.445,684	17,856	17,390	83	85	16.878	358,541	1.339,819	3,737	3,271
34	36	96.849	19.992,039	353.474,901	17,681	17,215	84	86	13.842	280,716	981,278	3,496	3,030
35	37	96.702	19.056,469	333.482,862	17,500	17,034	85	87	11.074	214,399	700,563	3,268	2,802
36	38	96.541	18.162,151	314.426,393	17,312	16,846	86	88	8.634	159,569	486,164	3,047	2,581
37	39	96.365	17.306,881	296.264,242	17,118	16,652	87	89	6.505	114,772	326,595	2,846	2,380
38	40	96.171	16.488,915	278.957,361	16,918	16,452	88	90	4.709	79,312	211,822	2,671	2,205
39	41	95.955	15.705,841	262.468,446	16,712	16,246	89	91	3.287	52,856	132,510	2,507	2,041
40	42	95.713	14.955,736	246.762,605	16,500	16,034	90	92	2.191	33,631	79,654	2,368	1,902
41	43	95.440	14.236,934	231.806,869	16,282	15,816	91	93	1.403	20,562	46,023	2,238	1,772
42	44	95.135	13.547,917	217.569,935	16,059	15,593	92	94	857	11,993	25,461	2,123	1,657
43	45	94.793	12.887,083	204.022,018	15,832	15,366	93	95	500	6,673	13,468	2,018	1,552
44	46	94.409	12.252,785	191.134,935	15,599	15,133	94	96	277	3,533	6,795	1,923	1,457
45	47	93.986	11.644,836	178.882,151	15,362	14,895	95	97	146	1,776	3,262	1,837	1,371
46	48	93.515	11.061,030	167.237,315	15,120	14,653	96	98	73	0,845	1,486	1,758	1,292
47	49	93.000	10.501,305	156.176,285	14,872	14,406	97	99	34	0,380	0,641	1,687	1,221
48	50	92.428	9.963,501	145.674,980	14,621	14,155	98	100	15	0,161	0,261	1,622	1,156
49	51	91.818	9.448,929	135.711,479	14,363	13,897	99	101	6	0,064	0,100	1,563	1,097
							100	102	2	0,024	0,036	1,510	1,044

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -3 Jahre

Zinsfuß 4,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	3	99.565	99.564,939	2.077.910,750	20,870	20,404	50	53	90.877	8.927,958	124.876,564	13,987	13,521
1	4	99.094	94.600,173	1.978.345,811	20,913	20,447	51	54	90.141	8.454,097	115.948,605	13,715	13,249
2	5	99.041	90.262,284	1.883.745,637	20,870	20,404	52	55	89.362	8.000,998	107.494,508	13,435	12,969
3	6	99.008	86.140,634	1.793.483,353	20,820	20,354	53	56	88.502	7.564,632	99.493,511	13,152	12,686
4	7	98.981	82.211,918	1.707.342,719	20,768	20,302	54	57	87.592	7.147,403	91.928,879	12,862	12,396
5	8	98.959	78.466,572	1.625.130,800	20,711	20,245	55	58	86.609	6.746,720	84.781,476	12,566	12,100
6	9	98.936	74.890,975	1.546.664,228	20,652	20,186	56	59	85.547	6.361,786	78.034,756	12,266	11,800
7	10	98.918	71.482,012	1.471.773,254	20,589	20,123	57	60	84.446	5.995,109	71.672,970	11,955	11,489
8	11	98.897	68.226,420	1.400.291,242	20,524	20,058	58	61	83.254	5.642,502	65.677,861	11,640	11,174
9	12	98.876	65.118,769	1.332.064,822	20,456	19,990	59	62	81.997	5.305,279	60.035,358	11,316	10,850
10	13	98.859	62.154,792	1.266.946,053	20,384	19,918	60	63	80.624	4.979,933	54.730,080	10,990	10,524
11	14	98.840	59.324,993	1.204.791,260	20,308	19,842	61	64	79.174	4.668,616	49.750,147	10,656	10,190
12	15	98.814	56.620,058	1.145.466,267	20,231	19,765	62	65	77.651	4.371,179	45.081,531	10,313	9,847
13	16	98.783	54.035,846	1.088.846,209	20,150	19,684	63	66	75.980	4.083,131	40.710,352	9,970	9,504
14	17	98.750	51.567,922	1.034.810,363	20,067	19,601	64	67	74.204	3.806,856	36.627,221	9,621	9,155
15	18	98.710	49.209,608	983.242,442	19,981	19,515	65	68	72.290	3.540,516	32.820,366	9,270	8,804
16	19	98.658	46.953,557	934.032,834	19,893	19,427	66	69	70.212	3.282,792	29.279,850	8,919	8,453
17	20	98.593	44.794,809	887.079,277	19,803	19,337	67	70	67.990	3.034,746	25.997,057	8,566	8,100
18	21	98.512	42.728,365	842.284,469	19,713	19,247	68	71	65.588	2.794,779	22.962,311	8,216	7,750
19	22	98.413	40.749,889	799.556,104	19,621	19,155	69	72	62.999	2.562,742	20.167,532	7,870	7,404
20	23	98.307	38.860,186	758.806,214	19,527	19,061	70	73	60.270	2.340,556	17.604,791	7,522	7,056
21	24	98.207	37.060,154	719.946,028	19,426	18,960	71	74	57.358	2.126,477	15.264,234	7,178	6,712
22	25	98.103	35.342,277	682.885,874	19,322	18,856	72	75	54.288	1.921,370	13.137,757	6,838	6,372
23	26	98.005	33.705,909	647.543,597	19,212	18,746	73	76	51.018	1.723,786	11.216,387	6,507	6,041
24	27	97.905	32.144,627	613.837,688	19,096	18,630	74	77	47.620	1.536,004	9.492,602	6,180	5,714
25	28	97.806	30.655,792	581.693,060	18,975	18,509	75	78	44.115	1.358,418	7.956,598	5,857	5,391
26	29	97.705	29.235,586	551.037,268	18,848	18,382	76	79	40.516	1.191,020	6.598,180	5,540	5,074
27	30	97.607	27.881,743	521.801,682	18,715	18,249	77	80	36.875	1.034,847	5.407,160	5,225	4,759
28	31	97.505	26.589,672	493.919,939	18,576	18,110	78	81	33.159	888,354	4.372,313	4,922	4,456
29	32	97.398	25.356,216	467.330,267	18,431	17,965	79	82	29.410	752,185	3.483,959	4,632	4,166
30	33	97.295	24.180,785	441.974,051	18,278	17,812	80	83	25.677	626,943	2.731,774	4,357	3,891
31	34	97.185	23.058,200	417.793,266	18,119	17,653	81	84	22.066	514,332	2.104,831	4,092	3,626
32	35	97.063	21.984,907	394.735,066	17,955	17,489	82	85	18.626	414,476	1.590,499	3,837	3,371
33	36	96.934	20.960,047	372.750,159	17,784	17,318	83	86	15.413	327,411	1.176,023	3,592	3,126
34	37	96.794	19.980,734	351.790,112	17,606	17,140	84	87	12.447	252,415	848,611	3,362	2,896
35	38	96.642	19.044,783	331.809,378	17,423	16,957	85	88	9.769	189,126	596,196	3,152	2,686
36	39	96.474	18.149,446	312.764,595	17,233	16,767	86	89	7.498	138,581	407,070	2,937	2,471
37	40	96.288	17.293,031	294.615,149	17,037	16,571	87	90	5.541	97,760	268,489	2,746	2,280
38	41	96.088	16.474,570	277.322,118	16,833	16,367	88	91	3.939	66,348	170,728	2,573	2,107
39	42	95.860	15.690,316	260.847,548	16,625	16,159	89	92	2.671	42,951	104,381	2,430	1,964
40	43	95.605	14.938,916	245.157,231	16,411	15,945	90	93	1.741	26,724	61,430	2,299	1,833
41	44	95.316	14.218,454	230.218,316	16,192	15,726	91	94	1.089	15,956	34,706	2,175	1,709
42	45	95.003	13.529,058	215.999,862	15,966	15,500	92	95	649	9,077	18,750	2,066	1,600
43	46	94.643	12.866,644	202.470,804	15,736	15,270	93	96	368	4,919	9,673	1,966	1,500
44	47	94.239	12.230,779	189.604,160	15,502	15,036	94	97	199	2,534	4,754	1,876	1,410
45	48	93.804	11.622,191	177.373,381	15,262	14,796	95	98	102	1,237	2,220	1,794	1,328
46	49	93.317	11.037,581	165.751,190	15,017	14,551	96	99	49	0,571	0,982	1,719	1,253
47	50	92.776	10.476,031	154.713,609	14,768	14,302	97	100	22	0,249	0,411	1,652	1,186
48	51	92.195	9.938,326	144.237,578	14,513	14,047	98	101	10	0,102	0,162	1,590	1,124
49	52	91.563	9.422,687	134.299,251	14,253	13,787	99	102	4	0,039	0,060	1,534	1,068
							100	103	1	0,014	0,021	1,483	1,017

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -4 Jahre

Zinsfuß 4,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	4	99.548	99.547,849	2.075.761,503	20,852	20,386	50	54	90.590	8.899,768	123.389,432	13,864	13,398
1	5	99.081	94.587,955	1.976.213,654	20,893	20,427	51	55	89.828	8.424,692	114.489,664	13,590	13,124
2	6	99.028	90.250,485	1.881.625,698	20,849	20,383	52	56	89.024	7.970,699	106.064,973	13,307	12,841
3	7	98.999	86.132,697	1.791.375,214	20,798	20,332	53	57	88.146	7.534,262	98.094,274	13,020	12,554
4	8	98.972	82.204,758	1.705.242,517	20,744	20,278	54	58	87.201	7.115,504	90.560,012	12,727	12,261
5	9	98.949	78.459,040	1.623.037,758	20,686	20,220	55	59	86.192	6.714,230	83.444,508	12,428	11,962
6	10	98.929	74.886,135	1.544.578,718	20,626	20,160	56	60	85.112	6.329,445	76.730,278	12,123	11,657
7	11	98.910	71.476,001	1.469.692,583	20,562	20,096	57	61	83.981	5.962,110	70.400,834	11,808	11,342
8	12	98.888	68.220,022	1.398.216,582	20,496	20,030	58	62	82.786	5.610,750	64.438,723	11,485	11,019
9	13	98.868	65.113,238	1.329.996,560	20,426	19,960	59	63	81.481	5.271,893	58.827,973	11,159	10,693
10	14	98.849	62.148,770	1.264.883,322	20,353	19,886	60	64	80.076	4.946,060	53.556,080	10,828	10,362
11	15	98.828	59.318,080	1.202.734,551	20,276	19,810	61	65	78.595	4.634,475	48.610,020	10,489	10,023
12	16	98.796	56.609,942	1.143.416,471	20,198	19,732	62	66	77.017	4.335,478	43.975,545	10,143	9,677
13	17	98.763	54.024,403	1.086.806,530	20,117	19,651	63	67	75.292	4.046,152	39.640,067	9,797	9,331
14	18	98.728	51.556,576	1.032.782,127	20,032	19,566	64	68	73.449	3.768,159	35.593,916	9,446	8,980
15	19	98.681	49.195,455	981.225,551	19,945	19,479	65	69	71.463	3.500,021	31.825,757	9,093	8,627
16	20	98.631	46.940,541	932.030,096	19,856	19,390	66	70	69.316	3.240,910	28.325,735	8,740	8,274
17	21	98.562	44.780,660	885.089,555	19,765	19,299	67	71	67.023	2.991,611	25.084,826	8,385	7,919
18	22	98.488	42.717,911	840.308,895	19,671	19,205	68	72	64.524	2.749,469	22.093,214	8,035	7,569
19	23	98.386	40.738,857	797.590,984	19,578	19,112	69	73	61.863	2.516,538	19.343,745	7,687	7,221
20	24	98.282	38.850,048	756.852,128	19,481	19,015	70	74	59.042	2.292,873	16.827,207	7,339	6,873
21	25	98.180	37.050,086	718.002,080	19,379	18,913	71	75	56.053	2.078,075	14.534,334	6,994	6,528
22	26	98.079	35.333,580	680.951,995	19,272	18,806	72	76	52.880	1.871,554	12.456,259	6,656	6,190
23	27	97.978	33.696,473	645.618,414	19,160	18,694	73	77	49.542	1.673,885	10.584,705	6,323	5,857
24	28	97.877	32.135,259	611.921,941	19,042	18,576	74	78	46.071	1.486,034	8.910,820	5,996	5,530
25	29	97.776	30.646,693	579.786,682	18,918	18,452	75	79	42.480	1.308,072	7.424,786	5,676	5,210
26	30	97.676	29.227,028	549.139,989	18,789	18,323	76	80	38.812	1.140,918	6.116,714	5,361	4,895
27	31	97.575	27.872,614	519.912,961	18,653	18,187	77	81	35.079	984,435	4.975,796	5,054	4,588
28	32	97.470	26.580,174	492.040,346	18,512	18,046	78	82	31.311	838,834	3.991,361	4,758	4,292
29	33	97.364	25.347,200	465.460,172	18,363	17,897	79	83	27.509	703,576	3.152,527	4,481	4,015
30	34	97.256	24.171,123	440.112,972	18,208	17,742	80	84	23.837	582,017	2.448,951	4,208	3,742
31	35	97.140	23.047,390	415.941,849	18,047	17,581	81	85	20.293	472,999	1.866,934	3,947	3,481
32	36	97.013	21.973,651	392.894,460	17,880	17,414	82	86	17.009	378,490	1.393,934	3,683	3,217
33	37	96.879	20.948,195	370.920,808	17,707	17,241	83	87	13.859	294,403	1.015,445	3,449	2,983
34	38	96.735	19.968,482	349.972,613	17,526	17,060	84	88	10.980	222,661	721,041	3,238	2,772
35	39	96.575	19.031,461	330.004,131	17,340	16,874	85	89	8.484	164,251	498,380	3,034	2,568
36	40	96.396	18.134,922	310.972,670	17,148	16,682	86	90	6.387	118,040	334,129	2,831	2,365
37	41	96.204	17.277,987	292.837,749	16,949	16,483	87	91	4.635	81,780	216,089	2,642	2,176
38	42	95.993	16.458,285	275.559,762	16,743	16,277	88	92	3.201	53,914	134,309	2,491	2,025
39	43	95.753	15.672,670	259.101,477	16,532	16,066	89	93	2.122	34,129	80,395	2,356	1,890
40	44	95.481	14.919,524	243.428,807	16,316	15,850	90	94	1.351	20,738	46,266	2,231	1,765
41	45	95.184	14.198,661	228.509,283	16,094	15,628	91	95	824	12,077	25,528	2,114	1,648
42	46	94.852	13.507,601	214.310,621	15,866	15,400	92	96	478	6,692	13,451	2,010	1,544
43	47	94.473	12.843,536	200.803,020	15,635	15,169	93	97	264	3,528	6,759	1,916	1,450
44	48	94.056	12.206,995	187.959,484	15,398	14,932	94	98	138	1,766	3,231	1,830	1,364
45	49	93.605	11.597,553	175.752,490	15,154	14,688	95	99	69	0,836	1,466	1,752	1,286
46	50	93.092	11.011,017	164.154,937	14,908	14,442	96	100	32	0,374	0,629	1,682	1,216
47	51	92.542	10.449,562	153.143,920	14,656	14,190	97	101	14	0,158	0,255	1,617	1,151
48	52	91.939	9.910,725	142.694,358	14,398	13,932	98	102	6	0,062	0,097	1,559	1,093
49	53	91.287	9.394,201	132.783,633	14,135	13,669	99	103	2	0,023	0,035	1,506	1,040
							100	104	1	0,008	0,012	1,458	0,992

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -5 Jahre

Zinsfuß 4,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	5	99.535	99.534,992	2.073.461,309	20,831	20,365	50	55	90.275	8.868,812	121.795,586	13,733	13,267
1	6	99.068	94.575,590	1.973.926,317	20,871	20,405	51	56	89.487	8.392,789	112.926,774	13,455	12,989
2	7	99.019	90.242,169	1.879.350,727	20,826	20,360	52	57	88.666	7.938,699	104.533,986	13,168	12,702
3	8	98.990	86.125,196	1.789.108,558	20,773	20,307	53	58	87.753	7.500,636	96.595,287	12,878	12,412
4	9	98.963	82.196,867	1.702.983,362	20,718	20,252	54	59	86.781	7.081,238	89.094,651	12,582	12,116
5	10	98.943	78.453,970	1.620.786,495	20,659	20,193	55	60	85.754	6.680,096	82.013,413	12,277	11,811
6	11	98.921	74.879,838	1.542.332,525	20,597	20,131	56	61	84.644	6.294,606	75.333,316	11,968	11,502
7	12	98.900	71.469,298	1.467.452,686	20,533	20,067	57	62	83.508	5.928,559	69.038,711	11,645	11,179
8	13	98.880	68.214,228	1.395.983,389	20,465	19,999	58	63	82.265	5.575,442	63.110,151	11,319	10,853
9	14	98.858	65.106,930	1.327.769,160	20,394	19,928	59	64	80.926	5.236,035	57.534,709	10,988	10,522
10	15	98.838	62.141,528	1.262.662,231	20,319	19,853	60	65	79.490	4.909,890	52.298,675	10,652	10,186
11	16	98.811	59.307,482	1.200.520,703	20,242	19,776	61	66	77.953	4.596,624	47.388,784	10,309	9,843
12	17	98.775	56.597,953	1.141.213,221	20,164	19,697	62	67	76.320	4.296,213	42.792,161	9,960	9,494
13	18	98.741	54.012,516	1.084.615,268	20,081	19,615	63	68	74.526	4.005,023	38.495,948	9,612	9,146
14	19	98.700	51.541,748	1.030.602,751	19,995	19,529	64	69	72.609	3.725,060	34.490,925	9,259	8,793
15	20	98.654	49.181,818	979.061,003	19,907	19,441	65	70	70.552	3.455,367	30.765,865	8,904	8,438
16	21	98.600	46.925,714	929.879,185	19,816	19,350	66	71	68.331	3.194,845	27.310,497	8,548	8,082
17	22	98.538	44.769,703	882.953,471	19,722	19,256	67	72	65.937	2.943,111	24.115,652	8,194	7,728
18	23	98.461	42.706,345	838.183,767	19,627	19,161	68	73	63.361	2.699,899	21.172,541	7,842	7,376
19	24	98.361	40.728,228	795.477,422	19,531	19,065	69	74	60.603	2.465,270	18.472,643	7,493	7,027
20	25	98.255	38.839,493	754.749,194	19,433	18,967	70	75	57.698	2.240,684	16.007,373	7,144	6,678
21	26	98.156	37.040,969	715.909,701	19,328	18,862	71	76	54.600	2.024,196	13.766,689	6,801	6,335
22	27	98.052	35.323,688	678.868,733	19,219	18,753	72	77	51.349	1.817,375	11.742,493	6,461	5,995
23	28	97.949	33.686,653	643.545,044	19,104	18,638	73	78	47.930	1.619,429	9.925,118	6,129	5,663
24	29	97.847	32.125,721	609.858,391	18,983	18,517	74	79	44.363	1.430,958	8.305,689	5,804	5,338
25	30	97.748	30.637,723	577.732,671	18,857	18,391	75	80	40.693	1.253,047	6.874,731	5,486	5,020
26	31	97.644	29.217,459	547.094,948	18,725	18,259	76	81	36.921	1.085,339	5.621,684	5,180	4,714
27	32	97.540	27.862,658	517.877,489	18,587	18,121	77	82	33.124	929,559	4.536,345	4,880	4,414
28	33	97.435	26.570,723	490.014,831	18,442	17,976	78	83	29.287	784,625	3.606,786	4,597	4,131
29	34	97.325	25.337,072	463.444,109	18,291	17,825	79	84	25.538	653,159	2.822,161	4,321	3,855
30	35	97.211	24.159,791	438.107,037	18,134	17,668	80	85	21.922	535,246	2.169,002	4,052	3,586
31	36	97.090	23.035,591	413.947,246	17,970	17,504	81	86	18.531	431,931	1.633,756	3,782	3,316
32	37	96.958	21.961,226	390.911,655	17,800	17,334	82	87	15.294	340,332	1.201,825	3,531	3,065
33	38	96.820	20.935,349	368.950,429	17,623	17,157	83	88	12.225	259,700	861,493	3,317	2,851
34	39	96.667	19.954,514	348.015,080	17,440	16,974	84	89	9.535	193,375	601,793	3,112	2,646
35	40	96.497	19.016,231	328.060,566	17,252	16,786	85	90	7.226	139,905	408,418	2,919	2,453
36	41	96.313	18.119,145	309.044,335	17,056	16,590	86	91	5.343	98,745	268,513	2,719	2,253
37	42	96.109	17.260,907	290.925,191	16,855	16,389	87	92	3.766	66,455	169,768	2,555	2,089
38	43	95.885	16.439,775	273.664,283	16,646	16,180	88	93	2.543	42,841	103,313	2,412	1,946
39	44	95.628	15.652,326	257.224,508	16,434	15,968	89	94	1.647	26,485	60,473	2,283	1,817
40	45	95.348	14.898,756	241.572,182	16,214	15,748	90	95	1.022	15,696	33,988	2,165	1,699
41	46	95.033	14.176,142	226.673,425	15,990	15,524	91	96	608	8,903	18,292	2,055	1,589
42	47	94.682	13.483,342	212.497,283	15,760	15,294	92	97	343	4,799	9,389	1,956	1,490
43	48	94.289	12.818,559	199.013,941	15,525	15,059	93	98	184	2,458	4,590	1,867	1,401
44	49	93.857	12.181,116	186.195,382	15,286	14,820	94	99	94	1,194	2,132	1,786	1,320
45	50	93.379	11.569,641	174.014,265	15,041	14,575	95	100	45	0,548	0,938	1,713	1,246
46	51	92.857	10.983,196	162.444,625	14,790	14,324	96	101	20	0,237	0,390	1,646	1,180
47	52	92.285	10.420,541	151.461,429	14,535	14,069	97	102	9	0,097	0,153	1,585	1,119
48	53	91.661	9.880,763	141.040,888	14,274	13,808	98	103	3	0,037	0,057	1,529	1,063
49	54	90.998	9.364,538	131.160,125	14,006	13,540	99	104	1	0,013	0,020	1,479	1,013
							100	105	0	0,004	0,006	1,433	0,967

Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente nach der Sterbetafel 2002/2004

Altersdifferenz zwischen Mann und Frau (x - y) = -6 Jahre

Zinsfuß 4,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	6	99.522	99.521,980	2.070.996,805	20,809	20,343	50	56	89.933	8.835,227	120.091,187	13,592	13,126
1	7	99.059	94.566,876	1.971.474,824	20,847	20,381	51	57	89.128	8.359,094	111.255,959	13,310	12,844
2	8	99.010	90.234,309	1.876.907,949	20,800	20,334	52	58	88.271	7.903,268	102.896,866	13,020	12,554
3	9	98.981	86.116,928	1.786.673,639	20,747	20,281	53	59	87.330	7.464,516	94.993,598	12,726	12,260
4	10	98.956	82.191,556	1.700.556,711	20,690	20,224	54	60	86.340	7.045,238	87.529,082	12,424	11,958
5	11	98.935	78.447,373	1.618.365,155	20,630	20,164	55	61	85.282	6.643,327	80.483,844	12,115	11,649
6	12	98.912	74.872,816	1.539.917,782	20,567	20,101	56	62	84.167	6.259,184	73.840,516	11,797	11,331
7	13	98.892	71.463,228	1.465.044,966	20,501	20,035	57	63	82.983	5.891,252	67.581,333	11,471	11,005
8	14	98.870	68.207,619	1.393.581,738	20,431	19,965	58	64	81.705	5.537,519	61.690,081	11,140	10,674
9	15	98.847	65.099,343	1.325.374,119	20,359	19,893	59	65	80.335	5.197,744	56.152,562	10,803	10,337
10	16	98.820	62.130,425	1.260.274,776	20,284	19,818	60	66	78.841	4.869,789	50.954,818	10,463	9,997
11	17	98.790	59.294,922	1.198.144,350	20,207	19,741	61	67	77.247	4.554,994	46.085,028	10,117	9,651
12	18	98.754	56.585,500	1.138.849,428	20,126	19,660	62	68	75.544	4.252,542	41.530,034	9,766	9,300
13	19	98.712	53.996,983	1.082.263,928	20,043	19,577	63	69	73.674	3.959,215	37.277,492	9,415	8,949
14	20	98.672	51.527,461	1.028.266,945	19,956	19,490	64	70	71.683	3.677,535	33.318,277	9,060	8,594
15	21	98.623	49.166,284	976.739,485	19,866	19,400	65	71	69.549	3.406,254	29.640,742	8,702	8,236
16	22	98.576	46.914,233	927.573,201	19,772	19,306	66	72	67.223	3.143,049	26.234,488	8,347	7,881
17	23	98.511	44.757,582	880.658,968	19,676	19,210	67	73	64.748	2.890,049	23.091,438	7,990	7,524
18	24	98.435	42.695,203	835.901,385	19,578	19,112	68	74	62.070	2.644,895	20.201,389	7,638	7,172
19	25	98.334	40.717,163	793.206,182	19,481	19,015	69	75	59.223	2.409,156	17.556,494	7,287	6,821
20	26	98.231	38.829,936	752.489,020	19,379	18,913	70	76	56.202	2.182,588	15.147,337	6,940	6,474
21	27	98.129	37.030,599	713.659,084	19,272	18,806	71	77	53.019	1.965,599	12.964,749	6,596	6,130
22	28	98.023	35.313,394	676.628,485	19,161	18,695	72	78	49.679	1.758,251	10.999,151	6,256	5,790
23	29	97.920	33.676,654	641.315,091	19,043	18,577	73	79	46.153	1.559,410	9.240,899	5,926	5,460
24	30	97.819	32.116,317	607.638,437	18,920	18,454	74	80	42.497	1.370,763	7.681,489	5,604	5,138
25	31	97.716	30.627,691	575.522,120	18,791	18,325	75	81	38.711	1.192,005	6.310,726	5,294	4,828
26	32	97.610	29.207,022	544.894,429	18,656	18,190	76	82	34.863	1.024,838	5.118,721	4,995	4,529
27	33	97.505	27.852,751	515.687,407	18,515	18,049	77	83	30.983	869,487	4.093,883	4,708	4,242
28	34	97.396	26.560,106	487.834,656	18,367	17,901	78	84	27.188	728,400	3.224,396	4,427	3,961
29	35	97.279	25.325,193	461.274,550	18,214	17,748	79	85	23.486	600,670	2.495,996	4,155	3,689
30	36	97.161	24.147,422	435.949,357	18,054	17,588	80	86	20.018	488,773	1.895,325	3,878	3,412
31	37	97.035	23.022,565	411.801,935	17,887	17,421	81	87	16.663	388,386	1.406,552	3,622	3,156
32	38	96.899	21.947,759	388.779,370	17,714	17,248	82	88	13.492	300,215	1.018,166	3,391	2,925
33	39	96.752	20.920,705	366.831,611	17,534	17,068	83	89	10.617	225,542	717,951	3,183	2,717
34	40	96.590	19.938,545	345.910,906	17,349	16,883	84	90	8.122	164,712	492,409	2,990	2,524
35	41	96.413	18.999,687	325.972,361	17,157	16,691	85	91	6.045	117,036	327,696	2,800	2,334
36	42	96.217	18.101,234	306.972,674	16,959	16,493	86	92	4.341	80,240	210,661	2,625	2,159
37	43	96.001	17.241,495	288.871,440	16,754	16,288	87	93	2.993	52,805	130,420	2,470	2,004
38	44	95.760	16.418,436	271.629,946	16,544	16,078	88	94	1.974	33,245	77,615	2,335	1,869
39	45	95.495	15.630,538	255.211,510	16,328	15,862	89	95	1.247	20,045	44,370	2,214	1,748
40	46	95.197	14.875,127	239.580,971	16,106	15,640	90	96	754	11,571	24,325	2,102	1,636
41	47	94.862	14.150,682	224.705,845	15,880	15,413	91	97	436	6,385	12,754	1,997	1,531
42	48	94.498	13.457,121	210.555,162	15,646	15,180	92	98	239	3,344	6,369	1,905	1,439
43	49	94.089	12.791,385	197.098,041	15,409	14,943	93	99	124	1,662	3,025	1,820	1,354
44	50	93.631	12.151,800	184.306,656	15,167	14,701	94	100	61	0,782	1,363	1,744	1,278
45	51	93.144	11.540,408	172.154,856	14,918	14,452	95	101	29	0,347	0,582	1,674	1,208
46	52	92.599	10.952,693	160.614,448	14,664	14,198	96	102	13	0,145	0,234	1,611	1,145
47	53	92.006	10.389,038	149.661,755	14,406	13,940	97	103	5	0,057	0,089	1,553	1,087
48	54	91.371	9.849,564	139.272,717	14,140	13,674	98	104	2	0,021	0,032	1,500	1,034
49	55	90.682	9.331,966	129.423,153	13,869	13,403	99	105	1	0,007	0,011	1,453	0,987
							100	106					

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -7 Jahre

Zinsfuß 4,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	7	99.513	99.512,810	2.068.358,886	20,785	20,319	50	57	89.572	8.799,756	118.272,360	13,440	12,974
1	8	99.050	94.558,640	1.968.846,076	20,821	20,355	51	58	88.730	8.321,786	109.472,603	13,155	12,689
2	9	99.001	90.225,648	1.874.287,436	20,773	20,307	52	59	87.846	7.865,209	101.150,817	12,861	12,395
3	10	98.974	86.111,364	1.784.061,788	20,718	20,252	53	60	86.886	7.426,568	93.285,608	12,561	12,095
4	11	98.948	82.184,644	1.697.950,424	20,660	20,194	54	61	85.865	7.006,460	85.859,041	12,254	11,788
5	12	98.925	78.440,016	1.615.765,780	20,599	20,133	55	62	84.802	6.605,943	78.852,581	11,937	11,471
6	13	98.903	74.866,457	1.537.325,764	20,534	20,068	56	63	83.638	6.219,795	72.246,638	11,616	11,150
7	14	98.882	71.456,304	1.462.459,306	20,466	20,000	57	64	82.418	5.851,180	66.026,843	11,284	10,818
8	15	98.859	68.199,671	1.391.003,002	20,396	19,930	58	65	81.108	5.497,024	60.175,662	10,947	10,481
9	16	98.829	65.087,712	1.322.803,332	20,323	19,857	59	66	79.679	5.155,292	54.678,638	10,606	10,140
10	17	98.799	62.117,268	1.257.715,620	20,247	19,781	60	67	78.127	4.825,686	49.523,346	10,262	9,796
11	18	98.768	59.281,876	1.195.598,352	20,168	19,702	61	68	76.462	4.508,693	44.697,660	9,914	9,448
12	19	98.725	56.569,227	1.136.316,476	20,087	19,621	62	69	74.680	4.203,903	40.188,967	9,560	9,094
13	20	98.685	53.982,014	1.079.747,249	20,002	19,536	63	70	72.734	3.908,703	35.985,064	9,206	8,740
14	21	98.641	51.511,185	1.025.765,235	19,913	19,447	64	71	70.664	3.625,265	32.076,362	8,848	8,382
15	22	98.599	49.154,254	974.254,049	19,820	19,354	65	72	68.421	3.351,031	28.451,097	8,490	8,024
16	23	98.549	46.901,532	925.099,795	19,724	19,258	66	73	66.011	3.086,383	25.100,066	8,133	7,667
17	24	98.485	44.745,905	878.198,264	19,626	19,160	67	74	63.429	2.831,172	22.013,683	7,775	7,309
18	25	98.409	42.683,604	833.452,359	19,526	19,060	68	75	60.657	2.584,693	19.182,511	7,422	6,956
19	26	98.310	40.707,144	790.768,755	19,426	18,960	69	76	57.688	2.346,693	16.597,818	7,073	6,607
20	27	98.203	38.819,065	750.061,612	19,322	18,856	70	77	54.575	2.119,406	14.251,125	6,724	6,258
21	28	98.100	37.019,807	711.242,547	19,212	18,746	71	78	51.294	1.901,653	12.131,719	6,380	5,914
22	29	97.994	35.302,912	674.222,740	19,098	18,632	72	79	47.838	1.693,087	10.230,066	6,042	5,576
23	30	97.891	33.666,797	638.919,828	18,978	18,512	73	80	44.212	1.493,811	8.536,979	5,715	5,249
24	31	97.787	32.105,802	605.253,031	18,852	18,386	74	81	40.427	1.303,988	7.043,168	5,401	4,935
25	32	97.681	30.616,751	573.147,229	18,720	18,254	75	82	36.553	1.125,558	5.739,181	5,099	4,633
26	33	97.575	29.196,637	542.530,478	18,582	18,116	76	83	32.610	958,609	4.613,622	4,813	4,347
27	34	97.466	27.841,621	513.333,842	18,438	17,972	77	84	28.763	807,181	3.655,014	4,528	4,062
28	35	97.351	26.547,654	485.492,220	18,288	17,822	78	85	25.004	669,865	2.847,832	4,251	3,785
29	36	97.229	25.312,228	458.944,567	18,131	17,665	79	86	21.447	548,517	2.177,967	3,971	3,505
30	37	97.106	24.133,768	433.632,339	17,968	17,502	80	87	18.000	439,498	1.629,450	3,708	3,242
31	38	96.976	23.008,447	409.498,571	17,798	17,332	81	88	14.698	342,604	1.189,952	3,473	3,007
32	39	96.831	21.932,406	386.490,124	17,622	17,156	82	89	11.717	260,728	847,348	3,250	2,784
33	40	96.674	20.903,963	364.557,717	17,440	16,974	83	90	9.044	192,111	586,619	3,054	2,588
34	41	96.506	19.921,199	343.653,755	17,251	16,785	84	91	6.794	137,788	394,508	2,863	2,397
35	42	96.318	18.980,906	323.732,556	17,056	16,590	85	92	4.912	95,103	256,720	2,699	2,233
36	43	96.109	18.080,876	304.751,650	16,855	16,389	86	93	3.450	63,760	161,617	2,535	2,069
37	44	95.876	17.219,115	286.670,774	16,648	16,182	87	94	2.322	40,978	97,857	2,388	1,922
38	45	95.627	16.395,581	269.451,659	16,434	15,968	88	95	1.494	25,162	56,880	2,261	1,795
39	46	95.344	15.605,748	253.056,078	16,216	15,750	89	96	919	14,778	31,718	2,146	1,680
40	47	95.026	14.848,411	237.450,330	15,992	15,526	90	97	541	8,298	16,940	2,041	1,575
41	48	94.678	14.123,164	222.601,918	15,761	15,295	91	98	304	4,449	8,642	1,943	1,477
42	49	94.297	13.428,593	208.478,754	15,525	15,059	92	99	162	2,260	4,193	1,855	1,389
43	50	93.863	12.760,600	195.050,161	15,285	14,819	93	100	82	1,089	1,933	1,775	1,309
44	51	93.394	12.121,097	182.289,561	15,039	14,573	94	101	39	0,496	0,844	1,703	1,237
45	52	92.885	11.508,358	170.168,465	14,787	14,321	95	102	17	0,213	0,348	1,637	1,171
46	53	92.319	10.919,581	158.660,107	14,530	14,064	96	103	7	0,086	0,136	1,577	1,111
47	54	91.715	10.356,234	147.740,526	14,266	13,800	97	104	3	0,033	0,050	1,523	1,057
48	55	91.054	9.815,305	137.384,292	13,997	13,531	98	105	1	0,012	0,017	1,473	1,007
49	56	90.339	9.296,627	127.568,987	13,722	13,256	99	106					
							100	107					

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -8 Jahre

Zinsfuß 4,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	8	99.504	99.504,143	2.065.534,092	20,758	20,292	50	58	89.172	8.760,482	116.334,551	13,279	12,813
1	9	99.041	94.549,563	1.966.029,948	20,794	20,328	51	59	88.303	8.281,712	107.574,069	12,989	12,523
2	10	98.994	90.219,818	1.871.480,385	20,744	20,278	52	60	87.399	7.825,224	99.292,357	12,689	12,223
3	11	98.966	86.104,123	1.781.260,568	20,687	20,221	53	61	86.408	7.385,690	91.467,134	12,384	11,918
4	12	98.939	82.176,937	1.695.156,445	20,628	20,162	54	62	85.382	6.967,032	84.081,444	12,068	11,602
5	13	98.917	78.433,354	1.612.979,508	20,565	20,099	55	63	84.268	6.564,373	77.114,412	11,747	11,281
6	14	98.894	74.859,203	1.534.546,153	20,499	20,033	56	64	83.069	6.177,489	70.550,039	11,421	10,954
7	15	98.871	71.447,978	1.459.686,950	20,430	19,964	57	65	81.816	5.808,392	64.372,550	11,083	10,617
8	16	98.841	68.187,486	1.388.238,972	20,359	19,893	58	66	80.445	5.452,128	58.564,158	10,742	10,276
9	17	98.808	65.073,928	1.320.051,487	20,285	19,819	59	67	78.957	5.108,603	53.112,031	10,397	9,931
10	18	98.777	62.103,601	1.254.977,559	20,208	19,742	60	68	77.333	4.776,633	48.003,427	10,050	9,584
11	19	98.740	59.264,827	1.192.873,958	20,128	19,662	61	69	75.588	4.457,124	43.226,795	9,698	9,232
12	20	98.698	56.553,545	1.133.609,131	20,045	19,579	62	70	73.727	4.150,269	38.769,671	9,341	8,875
13	21	98.654	53.964,964	1.077.055,586	19,958	19,492	63	71	71.700	3.853,146	34.619,401	8,985	8,519
14	22	98.617	51.498,582	1.023.090,622	19,866	19,400	64	72	69.518	3.566,491	30.766,255	8,626	8,160
15	23	98.572	49.140,946	971.592,040	19,772	19,306	65	73	67.188	3.290,615	27.199,765	8,266	7,800
16	24	98.523	46.889,295	922.451,094	19,673	19,207	66	74	64.666	3.023,506	23.909,149	7,908	7,442
17	25	98.459	44.733,748	875.561,799	19,573	19,107	67	75	61.985	2.766,730	20.885,643	7,549	7,083
18	26	98.385	42.673,101	830.828,051	19,470	19,004	68	76	59.085	2.517,678	18.118,914	7,197	6,731
19	27	98.282	40.695,747	788.154,950	19,367	18,901	69	77	56.018	2.278,760	15.601,235	6,846	6,380
20	28	98.175	38.807,752	747.459,203	19,261	18,795	70	78	52.800	2.050,456	13.322,475	6,497	6,031
21	29	98.071	37.008,819	708.651,451	19,148	18,682	71	79	49.393	1.831,173	11.272,019	6,156	5,690
22	30	97.965	35.292,579	671.642,632	19,031	18,565	72	80	45.825	1.621,865	9.440,846	5,821	5,355
23	31	97.859	33.655,773	636.350,054	18,908	18,442	73	81	42.058	1.421,041	7.818,980	5,502	5,036
24	32	97.752	32.094,333	602.694,280	18,779	18,313	74	82	38.173	1.231,298	6.397,939	5,196	4,730
25	33	97.646	30.605,864	570.599,947	18,643	18,177	75	83	34.191	1.052,820	5.166,641	4,907	4,441
26	34	97.536	29.184,971	539.994,083	18,502	18,036	76	84	30.273	889,917	4.113,821	4,623	4,157
27	35	97.420	27.828,569	510.809,112	18,356	17,890	77	85	26.451	742,315	3.223,904	4,343	3,877
28	36	97.301	26.534,062	482.980,543	18,202	17,736	78	86	22.833	611,704	2.481,589	4,057	3,591
29	37	97.174	25.297,915	456.446,481	18,043	17,577	79	87	19.284	493,219	1.869,885	3,791	3,325
30	38	97.046	24.118,969	431.148,566	17,876	17,410	80	88	15.878	387,691	1.376,666	3,551	3,085
31	39	96.908	22.992,352	407.029,597	17,703	17,237	81	89	12.765	297,543	988,975	3,324	2,858
32	40	96.754	21.914,855	384.037,245	17,524	17,058	82	90	9.980	222,082	691,433	3,113	2,647
33	41	96.590	20.885,777	362.122,390	17,338	16,872	83	91	7.565	160,708	469,351	2,921	2,455
34	42	96.410	19.901,507	341.236,614	17,146	16,680	84	92	5.521	111,967	308,642	2,757	2,291
35	43	96.210	18.959,559	321.335,107	16,948	16,482	85	93	3.903	75,570	196,676	2,603	2,137
36	44	95.984	18.057,407	302.375,548	16,745	16,279	86	94	2.677	49,478	121,106	2,448	1,982
37	45	95.743	17.195,146	284.318,142	16,535	16,069	87	95	1.758	31,014	71,628	2,310	1,843
38	46	95.475	16.369,578	267.122,996	16,318	15,852	88	96	1.101	18,550	40,613	2,189	1,723
39	47	95.172	15.577,720	250.753,418	16,097	15,631	89	97	659	10,598	22,064	2,082	1,616
40	48	94.841	14.819,536	235.175,698	15,869	15,403	90	98	377	5,782	11,466	1,983	1,517
41	49	94.477	14.093,224	220.356,161	15,636	15,170	91	99	205	3,008	5,684	1,890	1,424
42	50	94.070	13.396,274	206.262,937	15,397	14,931	92	100	106	1,481	2,676	1,807	1,341
43	51	93.626	12.728,358	192.866,663	15,153	14,687	93	101	52	0,690	1,195	1,732	1,266
44	52	93.135	12.087,434	180.138,305	14,903	14,437	94	102	24	0,304	0,505	1,664	1,198
45	53	92.604	11.473,566	168.050,871	14,647	14,181	95	103	10	0,126	0,202	1,602	1,136
46	54	92.028	10.885,102	156.577,305	14,385	13,919	96	104	4	0,049	0,076	1,545	1,079
47	55	91.396	10.320,212	145.692,203	14,117	13,651	97	105	2	0,018	0,027	1,493	1,027
48	56	90.709	9.778,136	135.371,991	13,844	13,378	98	106					
49	57	89.976	9.259,304	125.593,855	13,564	13,098	99	107					
							100	108					

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -9 Jahre

Zinsfuß 4,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	9	99.495	99.494,592	2.062.512,103	20,730	20,264	50	59	88.743	8.718,295	114.275,302	13,108	12,642
1	10	99.034	94.543,454	1.963.017,511	20,763	20,297	51	60	87.854	8.239,609	105.557,007	12,811	12,345
2	11	98.986	90.212,231	1.868.474,058	20,712	20,246	52	61	86.918	7.782,152	97.317,398	12,505	12,039
3	12	98.957	86.096,048	1.778.261,827	20,654	20,188	53	62	85.922	7.344,128	89.535,246	12,191	11,725
4	13	98.930	82.169,958	1.692.165,779	20,593	20,127	54	63	84.845	6.923,189	82.191,118	11,872	11,406
5	14	98.907	78.425,755	1.609.995,821	20,529	20,063	55	64	83.695	6.519,723	75.267,929	11,545	11,079
6	15	98.882	74.850,480	1.531.570,066	20,462	19,996	56	65	82.461	6.132,314	68.748,206	11,211	10,745
7	16	98.853	71.435,212	1.456.719,586	20,392	19,926	57	66	81.147	5.760,952	62.615,892	10,869	10,403
8	17	98.820	68.173,045	1.385.284,374	20,320	19,854	58	67	79.717	5.402,750	56.854,939	10,523	10,057
9	18	98.787	65.059,610	1.317.111,328	20,245	19,779	59	68	78.154	5.056,674	51.452,189	10,175	9,709
10	19	98.749	62.085,740	1.252.051,718	20,166	19,700	60	69	76.448	4.722,000	46.395,515	9,825	9,359
11	20	98.712	59.248,399	1.189.965,978	20,084	19,618	61	70	74.623	4.400,259	41.673,516	9,471	9,005
12	21	98.667	56.535,683	1.130.717,579	20,000	19,534	62	71	72.679	4.091,279	37.273,256	9,110	8,644
13	22	98.630	53.951,760	1.074.181,896	19,910	19,444	63	72	70.538	3.790,678	33.181,977	8,754	8,288
14	23	98.590	51.484,639	1.020.230,136	19,816	19,350	64	73	68.265	3.502,190	29.391,299	8,392	7,926
15	24	98.546	49.128,125	968.745,497	19,719	19,253	65	74	65.819	3.223,578	25.889,109	8,031	7,565
16	25	98.496	46.876,556	919.617,372	19,618	19,152	66	75	63.194	2.954,686	22.665,531	7,671	7,205
17	26	98.434	44.722,741	872.740,816	19,514	19,048	67	76	60.378	2.694,995	19.710,846	7,314	6,848
18	27	98.357	42.661,154	828.018,075	19,409	18,943	68	77	57.374	2.444,796	17.015,850	6,960	6,494
19	28	98.254	40.683,887	785.356,922	19,304	18,838	69	78	54.195	2.204,626	14.571,055	6,609	6,143
20	29	98.145	38.796,233	744.673,034	19,194	18,728	70	79	50.843	1.974,462	12.366,428	6,263	5,797
21	30	98.042	36.997,986	705.876,801	19,079	18,613	71	80	47.315	1.754,143	10.391,966	5,924	5,458
22	31	97.933	35.281,023	668.878,816	18,959	18,493	72	81	43.593	1.542,857	8.637,823	5,599	5,133
23	32	97.824	33.643,751	633.597,792	18,833	18,367	73	82	39.714	1.341,827	7.094,966	5,288	4,822
24	33	97.717	32.082,921	599.954,041	18,700	18,234	74	83	35.707	1.151,727	5.753,139	4,995	4,529
25	34	97.607	30.593,635	567.871,120	18,562	18,096	75	84	31.741	977,377	4.601,413	4,708	4,242
26	35	97.490	29.171,288	537.277,485	18,418	17,952	76	85	27.840	818,402	3.624,035	4,428	3,962
27	36	97.370	27.814,322	508.106,197	18,268	17,802	77	86	24.155	677,864	2.805,634	4,139	3,673
28	37	97.246	26.519,058	480.291,875	18,111	17,645	78	87	20.531	550,036	2.127,770	3,868	3,402
29	38	97.115	25.282,402	453.772,817	17,948	17,482	79	88	17.011	435,079	1.577,734	3,626	3,160
30	39	96.979	24.102,097	428.490,415	17,778	17,312	80	89	13.790	336,699	1.142,655	3,394	2,928
31	40	96.830	22.973,952	404.388,318	17,602	17,136	81	90	10.873	253,439	805,956	3,180	2,714
32	41	96.670	21.895,789	381.414,365	17,420	16,954	82	91	8.349	185,780	552,517	2,974	2,508
33	42	96.495	20.865,131	359.518,576	17,231	16,765	83	92	6.148	130,592	366,737	2,808	2,342
34	43	96.302	19.879,124	338.653,445	17,036	16,570	84	93	4.387	88,970	236,145	2,654	2,188
35	44	96.085	18.934,949	318.774,321	16,835	16,369	85	94	3.029	58,643	147,175	2,510	2,044
36	45	95.851	18.032,271	299.839,372	16,628	16,162	86	95	2.026	37,448	88,532	2,364	1,898
37	46	95.591	17.167,874	281.807,101	16,415	15,949	87	96	1.296	22,864	51,084	2,234	1,768
38	47	95.304	16.340,178	264.639,227	16,196	15,730	88	97	790	13,303	28,220	2,121	1,655
39	48	94.987	15.547,427	248.299,049	15,970	15,504	89	98	459	7,384	14,917	2,020	1,554
40	49	94.640	14.788,120	232.751,622	15,739	15,273	90	99	255	3,909	7,532	1,927	1,461
41	50	94.250	14.059,305	217.963,502	15,503	15,037	91	100	134	1,970	3,624	1,839	1,373
42	51	93.833	13.362,427	203.904,196	15,260	14,794	92	101	67	0,939	1,654	1,762	1,296
43	52	93.366	12.693,009	190.541,769	15,012	14,546	93	102	32	0,423	0,715	1,691	1,225
44	53	92.853	12.050,891	177.848,761	14,758	14,292	94	103	14	0,180	0,292	1,626	1,160
45	54	92.312	11.437,338	165.797,870	14,496	14,030	95	104	6	0,072	0,112	1,568	1,102
46	55	91.707	10.847,241	154.360,532	14,230	13,764	96	105	2	0,027	0,041	1,514	1,048
47	56	91.050	10.281,131	143.513,291	13,959	13,493	97	106					
48	57	90.345	9.738,879	133.232,160	13,680	13,214	98	107					
49	58	89.574	9.217,979	123.493,281	13,397	12,931	99	108					
							100	109					

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -10 Jahre

Zinsfuß 4,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	10	99.488	99.488,163	2.059.283,869	20,699	20,233	50	60	88.292	8.673,973	112.091,400	12,923	12,457
1	11	99.026	94.535,503	1.959.795,706	20,731	20,265	51	61	87.371	8.194,256	103.417,427	12,621	12,155
2	12	98.977	90.203,771	1.865.260,203	20,678	20,212	52	62	86.429	7.738,359	95.223,170	12,305	11,839
3	13	98.948	86.088,736	1.775.056,432	20,619	20,153	53	63	85.381	7.297,912	87.484,812	11,988	11,522
4	14	98.921	82.161,997	1.688.967,696	20,557	20,091	54	64	84.267	6.876,099	80.186,899	11,662	11,196
5	15	98.896	78.416,616	1.606.805,700	20,491	20,025	55	65	83.083	6.472,045	73.310,801	11,327	10,861
6	16	98.865	74.837,107	1.528.389,083	20,423	19,957	56	66	81.788	6.082,230	66.838,756	10,989	10,523
7	17	98.832	71.420,084	1.453.551,976	20,352	19,886	57	67	80.412	5.708,778	60.756,526	10,643	10,177
8	18	98.798	68.158,046	1.382.131,893	20,278	19,812	58	68	78.906	5.347,831	55.047,748	10,293	9,827
9	19	98.758	65.040,900	1.313.973,847	20,202	19,736	59	69	77.260	4.998,838	49.699,917	9,942	9,476
10	20	98.722	62.068,530	1.248.932,947	20,122	19,656	60	70	75.473	4.661,755	44.701,079	9,589	9,123
11	21	98.681	59.229,685	1.186.864,417	20,038	19,572	61	71	73.563	4.337,716	40.039,324	9,231	8,764
12	22	98.643	56.521,850	1.127.634,733	19,950	19,484	62	72	71.501	4.024,950	35.701,607	8,870	8,404
13	23	98.603	53.937,153	1.071.112,883	19,859	19,393	63	73	69.266	3.722,335	31.676,657	8,510	8,044
14	24	98.565	51.471,207	1.017.175,730	19,762	19,296	64	74	66.874	3.430,842	27.954,322	8,148	7,682
15	25	98.520	49.114,778	965.704,523	19,662	19,196	65	75	64.321	3.150,203	24.523,480	7,785	7,319
16	26	98.472	46.865,021	916.589,745	19,558	19,092	66	76	61.556	2.878,078	21.373,276	7,426	6,960
17	27	98.407	44.710,220	869.724,724	19,452	18,986	67	77	58.630	2.616,979	18.495,198	7,067	6,601
18	28	98.328	42.648,721	825.014,504	19,344	18,878	68	78	55.508	2.365,260	15.878,218	6,713	6,247
19	29	98.225	40.671,811	782.365,783	19,236	18,770	69	79	52.187	2.122,918	13.512,958	6,365	5,899
20	30	98.117	38.784,877	741.693,971	19,123	18,657	70	80	48.704	1.891,404	11.390,040	6,022	5,556
21	31	98.010	36.985,872	702.909,094	19,005	18,539	71	81	45.010	1.668,691	9.498,636	5,692	5,226
22	32	97.898	35.268,421	665.923,222	18,882	18,416	72	82	41.163	1.456,852	7.829,945	5,375	4,909
23	33	97.790	33.631,788	630.654,802	18,752	18,286	73	83	37.147	1.255,112	6.373,093	5,078	4,612
24	34	97.678	32.070,102	597.023,013	18,616	18,150	74	84	33.148	1.069,196	5.117,980	4,787	4,321
25	35	97.561	30.579,292	564.952,911	18,475	18,009	75	85	29.190	898,834	4.048,784	4,504	4,038
26	36	97.440	29.156,354	534.373,620	18,328	17,862	76	86	25.423	747,344	3.149,950	4,215	3,749
27	37	97.315	27.798,594	505.217,266	18,174	17,708	77	87	21.720	609,525	2.402,606	3,942	3,476
28	38	97.186	26.502,797	477.418,672	18,014	17,548	78	88	18.111	485,199	1.793,080	3,696	3,230
29	39	97.047	25.264,716	450.915,876	17,848	17,382	79	89	14.774	377,855	1.307,882	3,461	2,995
30	40	96.901	24.082,809	425.651,159	17,674	17,208	80	90	11.746	286,792	930,027	3,243	2,777
31	41	96.746	22.953,965	401.568,350	17,495	17,029	81	91	9.096	212,012	643,235	3,034	2,568
32	42	96.574	21.874,146	378.614,385	17,309	16,843	82	92	6.784	150,965	431,224	2,856	2,390
33	43	96.386	20.841,665	356.740,239	17,117	16,651	83	93	4.885	103,769	280,259	2,701	2,235
34	44	96.177	19.853,321	335.898,574	16,919	16,453	84	94	3.404	69,041	176,489	2,556	2,090
35	45	95.951	18.908,591	316.045,254	16,714	16,248	85	95	2.293	44,384	107,448	2,421	1,955
36	46	95.699	18.003,671	297.136,662	16,504	16,038	86	96	1.494	27,608	63,063	2,284	1,818
37	47	95.419	17.137,041	279.132,991	16,288	15,822	87	97	929	16,398	35,456	2,162	1,696
38	48	95.118	16.308,402	261.995,950	16,065	15,599	88	98	550	9,269	19,058	2,056	1,590
39	49	94.786	15.514,468	245.687,548	15,836	15,370	89	99	310	4,992	9,789	1,961	1,495
40	50	94.412	14.752,529	230.173,080	15,602	15,136	90	100	167	2,560	4,798	1,874	1,408
41	51	94.011	14.023,783	215.420,551	15,361	14,895	91	101	85	1,249	2,237	1,791	1,325
42	52	93.572	13.325,316	201.396,768	15,114	14,648	92	102	41	0,575	0,988	1,718	1,252
43	53	93.084	12.654,635	188.071,452	14,862	14,396	93	103	19	0,250	0,413	1,651	1,185
44	54	92.560	12.012,840	175.416,817	14,602	14,136	94	104	8	0,102	0,163	1,590	1,124
45	55	91.991	11.397,556	163.403,977	14,337	13,871	95	105	3	0,039	0,060	1,535	1,069
46	56	91.360	10.806,164	152.006,422	14,067	13,601	96	106					
47	57	90.685	10.239,855	141.200,258	13,789	13,323	97	107					
48	58	89.941	9.695,414	130.960,402	13,507	13,041	98	108					
49	59	89.143	9.173,588	121.264,988	13,219	12,753	99	109					
							100	110					

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -11 Jahre

Zinsfuß 4,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	11	99.480	99.479,797	2.055.835,979	20,666	20,200	50	61	87.806	8.626,229	109.778,960	12,726	12,260
1	12	99.017	94.526,638	1.956.356,183	20,696	20,230	51	62	86.879	8.148,145	101.152,731	12,414	11,948
2	13	98.968	90.196,110	1.861.829,545	20,642	20,176	52	63	85.885	7.689,662	93.004,586	12,095	11,629
3	14	98.939	86.080,395	1.771.633,435	20,581	20,115	53	64	84.800	7.248,273	85.314,925	11,770	11,304
4	15	98.909	82.152,423	1.685.553,040	20,517	20,051	54	65	83.651	6.825,815	78.066,651	11,437	10,971
5	16	98.878	78.402,606	1.603.400,618	20,451	19,985	55	66	82.405	6.419,186	71.240,836	11,098	10,632
6	17	98.844	74.821,258	1.524.998,012	20,382	19,916	56	67	81.047	6.027,145	64.821,651	10,755	10,289
7	18	98.810	71.404,370	1.450.176,754	20,309	19,843	57	68	79.595	5.650,748	58.794,505	10,405	9,939
8	19	98.770	68.138,444	1.378.772,384	20,235	19,769	58	69	78.004	5.286,665	53.143,757	10,052	9,586
9	20	98.731	65.022,870	1.310.633,939	20,157	19,690	59	70	76.275	4.935,062	47.857,092	9,697	9,231
10	21	98.690	62.048,925	1.245.611,069	20,075	19,609	60	71	74.400	4.595,495	42.922,030	9,340	8,874
11	22	98.657	59.215,193	1.183.562,144	19,987	19,521	61	72	72.370	4.267,392	38.326,535	8,981	8,515
12	23	98.616	56.506,547	1.124.346,952	19,898	19,432	62	73	70.212	3.952,384	34.059,143	8,617	8,151
13	24	98.577	53.923,081	1.067.840,404	19,803	19,337	63	74	67.855	3.646,503	30.106,759	8,256	7,790
14	25	98.538	51.457,223	1.013.917,324	19,704	19,238	64	75	65.352	3.352,750	26.460,256	7,892	7,426
15	26	98.495	49.102,692	962.460,101	19,601	19,135	65	76	62.653	3.068,526	23.107,506	7,530	7,064
16	27	98.445	46.851,901	913.357,408	19,495	19,029	66	77	59.774	2.794,763	20.038,980	7,170	6,704
17	28	98.378	44.697,190	866.505,507	19,386	18,920	67	78	56.723	2.531,843	17.244,217	6,811	6,345
18	29	98.299	42.636,062	821.808,317	19,275	18,809	68	79	53.450	2.277,599	14.712,374	6,460	5,994
19	30	98.196	40.659,906	779.172,255	19,163	18,697	69	80	49.992	2.033,615	12.434,776	6,115	5,649
20	31	98.085	38.772,178	738.512,349	19,047	18,581	70	81	46.332	1.799,266	10.401,160	5,781	5,315
21	32	97.975	36.972,660	699.740,171	18,926	18,460	71	82	42.501	1.575,672	8.601,895	5,459	4,993
22	33	97.863	35.255,880	662.767,510	18,799	18,333	72	83	38.503	1.362,704	7.026,223	5,156	4,690
23	34	97.751	33.618,350	627.511,630	18,666	18,200	73	84	34.485	1.165,174	5.663,519	4,861	4,395
24	35	97.632	32.055,067	593.893,280	18,527	18,061	74	85	30.484	983,274	4.498,345	4,575	4,109
25	36	97.511	30.563,637	561.838,214	18,383	17,917	75	86	26.655	820,793	3.515,071	4,283	3,817
26	37	97.385	29.139,867	531.274,577	18,232	17,766	76	87	22.860	672,001	2.694,278	4,009	3,543
27	38	97.256	27.781,547	502.134,710	18,074	17,608	77	88	19.159	537,676	2.022,277	3,761	3,295
28	39	97.118	26.484,257	474.353,163	17,911	17,445	78	89	15.729	421,382	1.484,601	3,523	3,057
29	40	96.969	25.244,498	447.868,906	17,741	17,275	79	90	12.584	321,847	1.063,219	3,303	2,837
30	41	96.817	24.061,858	422.624,407	17,564	17,098	80	91	9.826	239,912	741,372	3,090	2,624
31	42	96.650	22.931,276	398.562,550	17,381	16,915	81	92	7.391	172,281	501,460	2,911	2,445
32	43	96.465	21.849,544	375.631,274	17,192	16,726	82	93	5.391	119,958	329,179	2,744	2,278
33	44	96.261	20.814,612	353.781,730	16,997	16,531	83	94	3.791	80,526	209,221	2,598	2,132
34	45	96.043	19.825,685	332.967,118	16,795	16,329	84	95	2.577	52,255	128,695	2,463	1,997
35	46	95.799	18.878,602	313.141,433	16,587	16,121	85	96	1.690	32,721	76,440	2,336	1,870
36	47	95.527	17.971,337	294.262,831	16,374	15,908	86	97	1.071	19,799	43,719	2,208	1,742
37	48	95.233	17.103,715	276.291,494	16,154	15,688	87	98	648	11,425	23,920	2,094	1,628
38	49	94.917	16.273,830	259.187,779	15,927	15,461	88	99	372	6,266	12,495	1,994	1,528
39	50	94.558	15.477,129	242.913,949	15,695	15,229	89	100	203	3,270	6,229	1,905	1,439
40	51	94.174	14.715,255	227.436,820	15,456	14,990	90	101	106	1,623	2,959	1,823	1,357
41	52	93.750	13.984,835	212.721,565	15,211	14,745	91	102	52	0,765	1,335	1,745	1,279
42	53	93.289	13.285,031	198.736,730	14,959	14,493	92	103	24	0,340	0,570	1,676	1,210
43	54	92.790	12.614,678	185.451,699	14,701	14,235	93	104	11	0,143	0,230	1,613	1,147
44	55	92.238	11.971,056	172.837,022	14,438	13,972	94	105	4	0,056	0,087	1,556	1,090
45	56	91.642	11.354,395	160.865,965	14,168	13,702	95	106					
46	57	90.993	10.762,780	149.511,571	13,892	13,426	96	107					
47	58	90.280	10.194,154	138.748,791	13,611	13,145	97	108					
48	59	89.508	9.648,724	128.554,637	13,323	12,857	98	109					
49	60	88.690	9.126,952	118.905,912	13,028	12,562	99	110					
							100	111					

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -12 Jahre

Zinsfuß 4,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	12	99.470	99.470,467	2.052.159,959	20,631	20,165	50	62	87.312	8.577,687	107.335,541	12,513	12,047
1	13	99.008	94.518,610	1.952.689,492	20,659	20,193	51	63	86.332	8.096,869	98.757,854	12,197	11,731
2	14	98.959	90.187,371	1.858.170,882	20,603	20,137	52	64	85.301	7.637,358	90.660,985	11,871	11,405
3	15	98.927	86.070,364	1.767.983,511	20,541	20,075	53	65	84.180	7.195,268	83.023,627	11,539	11,073
4	16	98.891	82.137,745	1.681.913,147	20,477	20,011	54	66	82.968	6.770,066	75.828,359	11,201	10,735
5	17	98.857	78.386,002	1.599.775,402	20,409	19,943	55	67	81.658	6.361,050	69.058,293	10,856	10,390
6	18	98.822	74.804,796	1.521.389,400	20,338	19,872	56	68	80.223	5.965,879	62.697,244	10,509	10,043
7	19	98.782	71.383,835	1.446.584,604	20,265	19,799	57	69	78.685	5.586,117	56.731,364	10,156	9,690
8	20	98.742	68.119,556	1.375.200,769	20,188	19,722	58	70	77.009	5.219,217	51.145,247	9,799	9,333
9	21	98.700	65.002,332	1.307.081,214	20,108	19,642	59	71	75.191	4.864,917	45.926,030	9,440	8,974
10	22	98.666	62.033,744	1.242.078,882	20,023	19,557	60	72	73.194	4.520,992	41.061,113	9,082	8,616
11	23	98.630	59.199,161	1.180.045,138	19,933	19,467	61	73	71.065	4.190,455	36.540,121	8,720	8,254
12	24	98.590	56.491,804	1.120.845,977	19,841	19,375	62	74	68.781	3.871,865	32.349,666	8,355	7,889
13	25	98.551	53.908,431	1.064.354,173	19,744	19,278	63	75	66.310	3.563,502	28.477,802	7,992	7,526
14	26	98.514	51.444,561	1.010.445,742	19,641	19,175	64	76	63.658	3.265,822	24.914,300	7,629	7,163
15	27	98.468	49.088,946	959.001,181	19,536	19,070	65	77	60.839	2.979,698	21.648,478	7,265	6,799
16	28	98.416	46.838,247	909.912,235	19,427	18,961	66	78	57.829	2.703,842	18.668,780	6,905	6,439
17	29	98.349	44.683,923	863.073,989	19,315	18,849	67	79	54.620	2.438,007	15.964,938	6,548	6,082
18	30	98.270	42.623,582	818.390,065	19,200	18,734	68	80	51.202	2.181,789	13.526,931	6,200	5,734
19	31	98.164	40.646,594	775.766,483	19,086	18,620	69	81	47.556	1.934,549	11.345,142	5,864	5,398
20	32	98.050	38.758,328	735.119,890	18,967	18,501	70	82	43.749	1.698,968	9.410,593	5,539	5,073
21	33	97.940	36.959,514	696.361,561	18,841	18,375	71	83	39.755	1.473,845	7.711,626	5,232	4,766
22	34	97.824	35.241,793	659.402,048	18,711	18,245	72	84	35.744	1.265,056	6.237,780	4,931	4,465
23	35	97.705	33.602,589	624.160,255	18,575	18,109	73	85	31.714	1.071,539	4.972,725	4,641	4,175
24	36	97.582	32.038,656	590.557,666	18,433	17,967	74	86	27.837	897,902	3.901,186	4,345	3,879
25	37	97.456	30.546,354	558.519,010	18,284	17,818	75	87	23.968	738,045	3.003,284	4,069	3,603
26	38	97.325	29.121,998	527.972,656	18,130	17,664	76	88	20.165	592,787	2.265,239	3,821	3,355
27	39	97.188	27.762,114	498.850,658	17,969	17,503	77	89	16.639	466,957	1.672,452	3,582	3,116
28	40	97.040	26.463,063	471.088,545	17,802	17,336	78	90	13.397	358,923	1.205,495	3,359	2,893
29	41	96.885	25.222,536	444.625,481	17,628	17,162	79	91	10.527	269,237	846,572	3,144	2,678
30	42	96.721	24.038,073	419.402,946	17,447	16,981	80	92	7.985	194,953	577,335	2,961	2,495
31	43	96.542	22.905,486	395.364,873	17,261	16,795	81	93	5.873	136,896	382,382	2,793	2,327
32	44	96.340	21.821,183	372.459,387	17,069	16,603	82	94	4.183	93,089	245,486	2,637	2,171
33	45	96.127	20.785,638	350.638,204	16,869	16,403	83	95	2.869	60,947	152,397	2,500	2,034
34	46	95.891	19.794,241	329.852,566	16,664	16,198	84	96	1.900	38,523	91,451	2,374	1,908
35	47	95.627	18.844,696	310.058,325	16,453	15,987	85	97	1.212	23,467	52,927	2,255	1,789
36	48	95.341	17.936,389	291.213,629	16,236	15,770	86	98	746	13,795	29,461	2,136	1,670
37	49	95.032	17.067,457	273.277,240	16,012	15,546	87	99	438	7,724	15,666	2,028	1,562
38	50	94.688	16.234,663	256.209,783	15,782	15,316	88	100	244	4,105	7,942	1,935	1,469
39	51	94.319	15.438,024	239.975,120	15,544	15,078	89	101	129	2,073	3,837	1,851	1,385
40	52	93.912	14.674,387	224.537,096	15,301	14,835	90	102	65	0,995	1,764	1,774	1,308
41	53	93.467	13.942,556	209.862,709	15,052	14,586	91	103	31	0,453	0,770	1,701	1,235
42	54	92.995	13.243,083	195.920,153	14,794	14,328	92	104	14	0,194	0,317	1,636	1,170
43	55	92.467	12.570,801	182.677,070	14,532	14,066	93	105	6	0,078	0,123	1,577	1,111
44	56	91.889	11.925,723	170.106,269	14,264	13,798	94	106					
45	57	91.274	11.308,810	158.180,546	13,987	13,521	95	107					
46	58	90.587	10.714,745	146.871,736	13,707	13,241	96	108					
47	59	89.845	10.145,063	136.156,991	13,421	12,955	97	109					
48	60	89.053	9.599,672	126.011,928	13,127	12,661	98	110					
49	61	88.202	9.076,715	116.412,256	12,825	12,359	99	111					
							100	112					

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -13 Jahre

Zinsfuß 4,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	13	99.462	99.462,020	2.048.246,167	20,593	20,127	50	63	86.762	8.523,708	104.756,084	12,290	11,824
1	14	98.999	94.509,452	1.948.784,147	20,620	20,154	51	64	85.745	8.041,796	96.232,375	11,967	11,501
2	15	98.947	90.176,862	1.854.274,696	20,563	20,097	52	65	84.677	7.581,507	88.190,580	11,632	11,166
3	16	98.910	86.054,986	1.764.097,834	20,500	20,034	53	66	83.493	7.136,501	80.609,072	11,295	10,829
4	17	98.871	82.120,350	1.678.042,848	20,434	19,968	54	67	82.217	6.708,752	73.472,571	10,952	10,486
5	18	98.836	78.368,756	1.595.922,498	20,364	19,898	55	68	80.828	6.296,390	66.763,819	10,604	10,137
6	19	98.794	74.783,283	1.517.553,742	20,293	19,827	56	69	79.306	5.897,644	60.467,429	10,253	9,787
7	20	98.755	71.364,047	1.442.770,460	20,217	19,751	57	70	77.681	5.514,849	54.569,785	9,895	9,429
8	21	98.711	68.098,040	1.371.406,413	20,139	19,673	58	71	75.914	5.145,033	49.054,936	9,534	9,068
9	22	98.675	64.986,428	1.303.308,373	20,055	19,589	59	72	73.972	4.786,046	43.909,903	9,175	8,709
10	23	98.639	62.016,948	1.238.321,945	19,967	19,501	60	73	71.874	4.439,482	39.123,857	8,813	8,347
11	24	98.604	59.183,715	1.176.304,997	19,875	19,409	61	74	69.617	4.105,085	34.684,374	8,449	7,983
12	25	98.563	56.476,457	1.117.121,281	19,780	19,314	62	75	67.216	3.783,734	30.579,289	8,082	7,616
13	26	98.526	53.895,166	1.060.644,825	19,680	19,214	63	76	64.591	3.471,109	26.795,555	7,720	7,254
14	27	98.486	51.430,159	1.006.749,659	19,575	19,109	64	77	61.815	3.171,282	23.324,446	7,355	6,889
15	28	98.439	49.074,639	955.319,500	19,467	19,001	65	78	58.860	2.882,761	20.153,164	6,991	6,525
16	29	98.387	46.824,344	906.244,860	19,354	18,888	66	79	55.686	2.603,632	17.270,403	6,633	6,167
17	30	98.320	44.670,844	859.420,516	19,239	18,773	67	80	52.323	2.335,450	14.666,772	6,280	5,814
18	31	98.238	42.609,626	814.749,672	19,121	18,655	68	81	48.708	2.075,505	12.331,322	5,941	5,475
19	32	98.129	40.632,074	772.140,046	19,003	18,537	69	82	44.905	1.826,710	10.255,817	5,614	5,148
20	33	98.015	38.744,547	731.507,972	18,880	18,414	70	83	40.922	1.589,173	8.429,108	5,304	4,838
21	34	97.901	36.944,746	692.763,425	18,751	18,285	71	84	36.906	1.368,233	6.839,935	4,999	4,533
22	35	97.778	35.225,270	655.818,679	18,618	18,152	72	85	32.871	1.163,394	5.471,702	4,703	4,237
23	36	97.655	33.585,386	620.593,409	18,478	18,012	73	86	28.961	978,503	4.308,308	4,403	3,937
24	37	97.527	32.020,539	587.008,023	18,332	17,866	74	87	25.031	807,380	3.329,805	4,124	3,658
25	38	97.397	30.527,623	554.987,484	18,180	17,714	75	88	21.143	651,046	2.522,425	3,874	3,408
26	39	97.257	29.101,627	524.459,861	18,022	17,566	76	89	17.513	514,820	1.871,379	3,635	3,169
27	40	97.110	27.739,897	495.358,234	17,857	17,391	77	90	14.173	397,742	1.356,559	3,411	2,945
28	41	96.956	26.440,041	467.618,338	17,686	17,220	78	91	11.207	300,252	958,817	3,193	2,727
29	42	96.789	25.197,604	441.178,297	17,509	17,043	79	92	8.554	218,782	658,565	3,010	2,544
30	43	96.612	24.011,038	415.980,693	17,325	16,859	80	93	6.345	154,911	439,782	2,839	2,373
31	44	96.416	22.875,754	391.969,656	17,135	16,669	81	94	4.558	106,233	284,871	2,682	2,216
32	45	96.206	21.790,808	369.093,902	16,938	16,472	82	95	3.166	70,455	178,638	2,535	2,069
33	46	95.975	20.752,672	347.303,094	16,735	16,269	83	96	2.115	44,931	108,183	2,408	1,942
34	47	95.718	19.758,691	326.550,422	16,527	16,061	84	97	1.362	27,628	63,252	2,289	1,823
35	48	95.441	18.808,050	306.791,731	16,312	15,846	85	98	845	16,350	35,624	2,179	1,713
36	49	95.139	17.898,365	287.983,681	16,090	15,624	86	99	505	9,326	19,274	2,067	1,601
37	50	94.803	17.026,380	270.085,316	15,863	15,397	87	100	287	5,060	9,948	1,966	1,500
38	51	94.449	16.193,644	253.058,936	15,627	15,161	88	101	154	2,602	4,889	1,879	1,413
39	52	94.057	15.395,149	236.865,292	15,386	14,920	89	102	79	1,270	2,286	1,800	1,334
40	53	93.628	14.630,023	221.470,143	15,138	14,672	90	103	38	0,588	1,016	1,728	1,262
41	54	93.172	13.898,532	206.840,120	14,882	14,416	91	104	18	0,258	0,428	1,659	1,193
42	55	92.671	13.197,020	192.941,588	14,620	14,154	92	105	8	0,106	0,170	1,598	1,132
43	56	92.117	12.523,197	179.744,567	14,353	13,887	93	106					
44	57	91.520	11.877,845	167.221,371	14,078	13,612	94	107					
45	58	90.867	11.258,338	155.343,526	13,798	13,332	95	108					
46	59	90.151	10.663,147	144.085,188	13,512	13,046	96	109					
47	60	89.388	10.093,487	133.422,041	13,219	12,753	97	110					
48	61	88.563	9.546,833	123.328,554	12,918	12,452	98	111					
49	62	87.705	9.025,637	113.781,721	12,607	12,140	99	112					
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -14 Jahre

Zinsfuß 4,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	14	99.452	99.452,383	2.044.082,792	20,553	20,087	50	64	86.172	8.465,731	102.040,395	12,053	11,587
1	15	98.987	94.498,439	1.944.630,409	20,578	20,112	51	65	85.118	7.982,987	93.574,664	11,722	11,256
2	16	98.929	90.160,750	1.850.131,970	20,520	20,054	52	66	83.985	7.519,586	85.591,677	11,382	10,916
3	17	98.889	86.036,762	1.759.971,220	20,456	19,990	53	67	82.737	7.071,869	78.072,090	11,040	10,574
4	18	98.849	82.102,282	1.673.934,458	20,388	19,922	54	68	81.381	6.640,558	71.000,221	10,692	10,226
5	19	98.807	78.346,217	1.591.832,177	20,318	19,852	55	69	79.904	6.224,374	64.359,663	10,340	9,874
6	20	98.766	74.762,552	1.513.485,959	20,244	19,778	56	70	78.294	5.822,401	58.135,289	9,985	9,519
7	21	98.723	71.341,506	1.438.723,407	20,167	19,701	57	71	76.577	5.436,463	52.312,888	9,623	9,157
8	22	98.687	68.081,378	1.367.381,901	20,085	19,619	58	72	74.683	5.061,621	46.876,425	9,261	8,795
9	23	98.649	64.968,833	1.299.300,523	19,999	19,533	59	73	72.638	4.699,758	41.814,804	8,897	8,431
10	24	98.614	62.000,768	1.234.331,689	19,908	19,442	60	74	70.410	4.349,040	37.115,046	8,534	8,068
11	25	98.578	59.167,636	1.172.330,922	19,814	19,348	61	75	68.033	4.011,646	32.766,007	8,168	7,702
12	26	98.539	56.462,560	1.113.163,285	19,715	19,249	62	76	65.473	3.685,631	28.754,360	7,802	7,336
13	27	98.499	53.880,077	1.056.700,725	19,612	19,146	63	77	62.721	3.370,626	25.068,729	7,437	6,971
14	28	98.457	51.415,170	1.002.820,648	19,504	19,038	64	78	59.804	3.068,112	21.698,103	7,072	6,606
15	29	98.410	49.060,073	951.405,477	19,393	18,927	65	79	56.679	2.775,919	18.629,991	6,711	6,245
16	30	98.358	46.810,638	902.345,404	19,277	18,810	66	80	53.343	2.494,107	15.854,071	6,357	5,891
17	31	98.288	44.656,218	855.534,766	19,158	18,692	67	81	49.774	2.221,680	13.359,964	6,013	5,547
18	32	98.203	42.594,406	810.878,548	19,037	18,571	68	82	45.993	1.959,808	11.138,284	5,683	5,217
19	33	98.094	40.617,626	768.284,142	18,915	18,449	69	83	42.003	1.708,660	9.178,477	5,372	4,906
20	34	97.976	38.729,065	727.666,516	18,789	18,323	70	84	37.989	1.475,296	7.469,817	5,063	4,597
21	35	97.855	36.927,425	688.937,451	18,657	18,191	71	85	33.940	1.258,279	5.994,520	4,764	4,298
22	36	97.728	35.207,237	652.010,025	18,519	18,053	72	86	30.017	1.062,383	4.736,241	4,458	3,992
23	37	97.599	33.566,395	616.802,789	18,376	17,910	73	87	26.041	879,855	3.673,858	4,176	3,710
24	38	97.467	32.000,904	583.236,394	18,226	17,760	74	88	22.080	712,208	2.794,003	3,923	3,457
25	39	97.328	30.506,268	551.235,490	18,070	17,604	75	89	18.362	565,416	2.081,794	3,682	3,216
26	40	97.179	29.078,338	520.729,222	17,908	17,442	76	90	14.917	438,511	1.516,379	3,458	2,992
27	41	97.025	27.715,763	491.650,884	17,739	17,273	77	91	11.856	332,727	1.077,868	3,239	2,773
28	42	96.860	26.413,905	463.935,121	17,564	17,098	78	92	9.107	243,985	745,141	3,054	2,588
29	43	96.680	25.169,265	437.521,216	17,383	16,917	79	93	6.797	173,847	501,156	2,883	2,417
30	44	96.487	23.979,871	412.351,951	17,196	16,730	80	94	4.923	120,213	327,309	2,723	2,257
31	45	96.282	22.843,911	388.372,080	17,001	16,535	81	95	3.449	80,403	207,097	2,576	2,110
32	46	96.053	21.756,247	365.528,170	16,801	16,335	82	96	2.334	51,941	126,694	2,439	1,973
33	47	95.802	20.715,400	343.771,922	16,595	16,129	83	97	1.517	32,223	74,753	2,320	1,854
34	48	95.532	19.720,267	323.056,522	16,382	15,916	84	98	949	19,249	42,529	2,209	1,743
35	49	95.239	18.768,178	303.336,255	16,162	15,696	85	99	571	11,053	23,280	2,106	1,640
36	50	94.910	17.855,289	284.568,076	15,937	15,471	86	100	331	6,109	12,227	2,001	1,535
37	51	94.563	16.983,361	266.712,788	15,704	15,238	87	101	182	3,207	6,118	1,907	1,441
38	52	94.187	16.148,670	249.729,427	15,464	14,998	88	102	95	1,594	2,910	1,825	1,359
39	53	93.773	15.348,606	233.580,757	15,218	14,752	89	103	47	0,751	1,316	1,752	1,286
40	54	93.332	14.583,829	218.232,151	14,964	14,498	90	104	22	0,335	0,565	1,684	1,218
41	55	92.848	13.850,190	203.648,322	14,704	14,238	91	105	10	0,142	0,229	1,619	1,153
42	56	92.320	13.147,045	189.798,132	14,437	13,971	92	106					
43	57	91.747	12.472,920	176.651,087	14,163	13,697	93	107					
44	58	91.111	11.824,833	164.178,168	13,884	13,418	94	108					
45	59	90.429	11.204,122	152.353,335	13,598	13,132	95	109					
46	60	89.693	10.608,938	141.149,213	13,305	12,839	96	110					
47	61	88.896	10.037,930	130.540,275	13,005	12,539	97	111					
48	62	88.065	9.493,110	120.502,345	12,694	12,228	98	112					
49	63	87.153	8.968,839	111.009,235	12,377	11,911	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -15 Jahre

Zinsfuß 4,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	15	99.441	99.440,794	2.039.659,839	20,511	20,045	50	65	85.542	8.403,823	99.186,995	11,803	11,337
1	16	98.969	94.481,555	1.940.219,045	20,535	20,069	51	66	84.423	7.917,787	90.783,172	11,466	11,000
2	17	98.908	90.141,656	1.845.737,490	20,476	20,010	52	67	83.225	7.451,485	82.865,385	11,121	10,655
3	18	98.867	86.017,832	1.755.595,834	20,410	19,944	53	68	81.896	6.999,984	75.413,900	10,773	10,307
4	19	98.820	82.078,670	1.669.578,002	20,341	19,875	54	69	80.450	6.564,606	68.413,916	10,422	9,956
5	20	98.780	78.324,499	1.587.499,332	20,268	19,802	55	70	78.884	6.144,963	61.849,310	10,065	9,599
6	21	98.735	74.738,938	1.509.174,833	20,193	19,727	56	71	77.181	5.739,644	55.704,348	9,705	9,239
7	22	98.699	71.324,051	1.434.435,894	20,112	19,646	57	72	75.335	5.348,326	49.964,703	9,342	8,876
8	23	98.660	68.062,946	1.363.111,844	20,027	19,561	58	73	73.337	4.970,364	44.616,378	8,976	8,510
9	24	98.623	64.951,883	1.295.048,898	19,939	19,473	59	74	71.158	4.604,013	39.646,014	8,611	8,145
10	25	98.587	61.983,924	1.230.097,015	19,845	19,379	60	75	68.807	4.250,048	35.042,001	8,245	7,779
11	26	98.553	59.153,077	1.168.113,092	19,747	19,281	61	76	66.269	3.907,634	30.791,953	7,880	7,414
12	27	98.512	56.446,753	1.108.960,014	19,646	19,180	62	77	63.578	3.578,939	26.884,318	7,512	7,046
13	28	98.470	53.864,375	1.052.513,262	19,540	19,074	63	78	60.681	3.260,971	23.305,380	7,147	6,681
14	29	98.428	51.399,909	998.648,887	19,429	18,963	64	79	57.587	2.954,401	20.044,409	6,785	6,319
15	30	98.381	49.045,713	947.248,977	19,314	18,848	65	80	54.294	2.659,147	17.090,007	6,427	5,961
16	31	98.326	46.795,312	898.203,265	19,194	18,728	66	81	50.745	2.372,608	14.430,860	6,082	5,616
17	32	98.253	44.640,266	851.407,953	19,073	18,607	67	82	46.999	2.097,835	12.058,252	5,748	5,282
18	33	98.168	42.579,260	806.767,687	18,947	18,481	68	83	43.020	1.833,157	9.960,417	5,433	4,967
19	34	98.055	40.601,397	764.188,426	18,822	18,356	69	84	38.993	1.586,221	8.127,260	5,124	4,658
20	35	97.930	38.710,908	723.587,030	18,692	18,226	70	85	34.936	1.356,739	6.541,039	4,821	4,355
21	36	97.805	36.908,520	684.876,121	18,556	18,090	71	86	30.993	1.149,030	5.184,300	4,512	4,046
22	37	97.673	35.187,328	647.967,601	18,415	17,949	72	87	26.991	955,279	4.035,270	4,224	3,758
23	38	97.540	33.545,811	612.780,273	18,267	17,801	73	88	22.971	776,140	3.079,991	3,968	3,502
24	39	97.399	31.978,519	579.234,462	18,113	17,647	74	89	19.176	618,533	2.303,851	3,725	3,259
25	40	97.251	30.481,855	547.255,943	17,953	17,487	75	90	15.640	481,607	1.685,317	3,499	3,033
26	41	97.095	29.053,040	516.774,088	17,787	17,321	76	91	12.479	366,831	1.203,710	3,281	2,815
27	42	96.930	27.688,367	487.721,048	17,615	17,149	77	92	9.634	270,374	836,879	3,095	2,629
28	43	96.751	26.384,198	460.032,681	17,436	16,970	78	93	7.237	193,873	566,506	2,922	2,456
29	44	96.555	25.136,594	433.648,483	17,252	16,786	79	94	5.275	134,907	372,633	2,762	2,296
30	45	96.352	23.946,491	408.511,889	17,059	16,593	80	95	3.726	90,984	237,726	2,613	2,147
31	46	96.129	22.807,680	384.565,398	16,861	16,395	81	96	2.543	59,275	146,742	2,476	2,010
32	47	95.881	21.717,174	361.757,718	16,658	16,192	82	97	1.674	37,250	87,467	2,348	1,882
33	48	95.616	20.675,116	340.040,544	16,447	15,981	83	98	1.057	22,451	50,217	2,237	1,771
34	49	95.330	19.678,461	319.365,428	16,229	15,763	84	99	642	13,013	27,765	2,134	1,668
35	50	95.009	18.723,009	299.686,967	16,006	15,540	85	100	374	7,241	14,752	2,037	1,571
36	51	94.670	17.810,175	280.963,958	15,775	15,309	86	101	210	3,873	7,511	1,940	1,473
37	52	94.301	16.936,194	263.153,783	15,538	15,072	87	102	111	1,965	3,639	1,851	1,385
38	53	93.902	16.099,850	246.217,589	15,293	14,827	88	103	56	0,943	1,673	1,775	1,309
39	54	93.477	15.300,142	230.117,740	15,040	14,574	89	104	27	0,428	0,730	1,706	1,240
40	55	93.008	14.533,102	214.817,597	14,781	14,315	90	105	12	0,184	0,302	1,642	1,176
41	56	92.496	13.797,741	200.284,495	14,516	14,050	91	106					
42	57	91.950	13.094,263	186.486,754	14,242	13,776	92	107					
43	58	91.337	12.417,252	173.392,491	13,964	13,498	93	108					
44	59	90.673	11.767,889	160.975,239	13,679	13,213	94	109					
45	60	89.970	11.147,163	149.207,350	13,385	12,919	95	110					
46	61	89.199	10.550,543	138.060,187	13,086	12,620	96	111					
47	62	88.396	9.981,443	127.509,644	12,775	12,309	97	112					
48	63	87.511	9.433,371	117.528,201	12,459	11,993	98						
49	64	86.560	8.907,835	108.094,830	12,135	11,669	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -16 Jahre

Zinsfuß 4,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	16	99.423	99.423,027	2.034.967,815	20,468	20,002	50	66	84.843	8.335,186	96.194,467	11,541	11,075
1	17	98.948	94.461,546	1.935.544,788	20,490	20,024	51	67	83.658	7.846,079	87.859,282	11,198	10,732
2	18	98.887	90.121,823	1.841.083,242	20,429	19,963	52	68	82.379	7.375,740	80.013,202	10,848	10,382
3	19	98.838	85.993,094	1.750.961,419	20,362	19,896	53	69	80.959	6.919,921	72.637,462	10,497	10,031
4	20	98.793	82.055,917	1.664.968,325	20,291	19,825	54	70	79.424	6.480,854	65.717,541	10,140	9,674
5	21	98.749	78.299,760	1.582.912,408	20,216	19,750	55	71	77.763	6.057,621	59.236,688	9,779	9,313
6	22	98.711	74.720,652	1.504.612,648	20,137	19,670	56	72	75.930	5.646,591	53.179,067	9,418	8,952
7	23	98.673	71.304,740	1.429.891,996	20,053	19,587	57	73	73.977	5.251,900	47.532,475	9,051	8,585
8	24	98.635	68.045,188	1.358.587,256	19,966	19,500	58	74	71.843	4.869,106	42.280,575	8,683	8,217
9	25	98.596	64.934,237	1.290.542,068	19,875	19,409	59	75	69.538	4.499,217	37.411,469	8,315	7,849
10	26	98.563	61.968,671	1.225.607,831	19,778	19,312	60	76	67.023	4.139,855	32.912,251	7,950	7,484
11	27	98.526	59.136,517	1.163.639,160	19,677	19,211	61	77	64.351	3.794,515	28.772,396	7,583	7,117
12	28	98.483	56.430,302	1.104.502,643	19,573	19,107	62	78	61.509	3.462,507	24.977,882	7,214	6,748
13	29	98.441	53.848,387	1.048.072,341	19,463	18,997	63	79	58.432	3.140,113	21.515,375	6,852	6,386
14	30	98.399	51.384,864	994.223,954	19,349	18,883	64	80	55.165	2.830,121	18.375,262	6,493	6,027
15	31	98.349	49.029,654	942.839,090	19,230	18,764	65	81	51.649	2.529,608	15.545,141	6,145	5,679
16	32	98.291	46.778,596	893.809,435	19,107	18,641	66	82	47.916	2.240,350	13.015,533	5,810	5,344
17	33	98.218	44.624,393	847.030,839	18,981	18,515	67	83	43.962	1.962,264	10.775,183	5,491	5,025
18	34	98.129	42.562,247	802.406,446	18,853	18,387	68	84	39.938	1.701,797	8.812,919	5,179	4,713
19	35	98.009	40.582,362	759.844,199	18,724	18,258	69	85	35.860	1.458,750	7.111,122	4,875	4,409
20	36	97.879	38.691,090	719.261,837	18,590	18,124	70	86	31.903	1.238,941	5.652,372	4,562	4,096
21	37	97.750	36.887,650	680.570,747	18,450	17,984	71	87	27.869	1.033,191	4.413,431	4,272	3,806
22	38	97.613	35.165,751	643.683,098	18,304	17,838	72	88	23.809	842,673	3.380,241	4,011	3,545
23	39	97.471	33.522,346	608.517,347	18,153	17,687	73	89	19.950	674,057	2.537,567	3,765	3,299
24	40	97.321	31.952,928	574.995,001	17,995	17,529	74	90	16.334	526,851	1.863,511	3,537	3,071
25	41	97.166	30.455,336	543.042,074	17,831	17,365	75	91	13.084	402,883	1.336,659	3,318	2,852
26	42	96.999	29.024,321	512.586,737	17,661	17,195	76	92	10.140	298,087	933,776	3,133	2,667
27	43	96.821	27.657,226	483.562,416	17,484	17,018	77	93	7.656	214,842	635,690	2,959	2,493
28	44	96.626	26.349,951	455.905,189	17,302	16,836	78	94	5.616	150,447	420,848	2,797	2,331
29	45	96.420	25.101,604	429.555,238	17,113	16,647	79	95	3.992	102,105	270,401	2,648	2,182
30	46	96.200	23.908,511	404.453,634	16,917	16,451	80	96	2.747	67,076	168,295	2,509	2,043
31	47	95.957	22.766,718	380.545,123	16,715	16,249	81	97	1.824	42,510	101,220	2,381	1,915
32	48	95.694	21.674,941	357.778,405	16,507	16,041	82	98	1.166	25,954	58,710	2,262	1,796
33	49	95.413	20.631,286	336.103,464	16,291	15,825	83	99	714	15,178	32,756	2,158	1,692
34	50	95.100	19.631,101	315.472,177	16,070	15,604	84	100	420	8,525	17,578	2,062	1,596
35	51	94.769	18.675,702	295.841,076	15,841	15,375	85	101	237	4,590	9,053	1,972	1,506
36	52	94.407	17.760,712	277.165,374	15,606	15,140	86	102	128	2,373	4,463	1,881	1,415
37	53	94.016	16.884,992	259.404,662	15,363	14,897	87	103	66	1,162	2,090	1,799	1,333
38	54	93.606	16.049,014	242.519,670	15,111	14,645	88	104	32	0,538	0,928	1,727	1,261
39	55	93.151	15.246,925	226.470,656	14,854	14,388	89	105	15	0,235	0,391	1,662	1,196
40	56	92.656	14.478,068	211.223,732	14,589	14,123	90	106					
41	57	92.125	13.742,347	196.745,664	14,317	13,851	91	107					
42	58	91.539	13.035,822	183.003,317	14,038	13,572	92	108					
43	59	90.898	12.357,455	169.967,495	13,754	13,288	93	109					
44	60	90.212	11.708,064	157.610,040	13,462	12,996	94	110					
45	61	89.474	11.085,806	145.901,976	13,161	12,695	95	111					
46	62	88.697	10.491,172	134.816,170	12,850	12,384	96	112					
47	63	87.840	9.918,631	124.324,999	12,534	12,068	97						
48	64	86.915	9.369,207	114.406,368	12,211	11,745	98						
49	65	85.927	8.842,694	105.037,161	11,878	11,412	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -17 Jahre

Zinsfuß 4,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	17	99.402	99.401,972	2.030.001,392	20,422	19,956	50	67	84.075	8.259,697	93.064,460	11,267	10,801
1	18	98.927	94.440,763	1.930.599,420	20,442	19,976	51	68	82.808	7.766,324	84.804,762	10,920	10,454
2	19	98.858	90.095,905	1.836.158,657	20,380	19,914	52	69	81.437	7.291,380	77.038,438	10,566	10,100
3	20	98.811	85.969,256	1.746.062,752	20,310	19,844	53	70	79.926	6.831,635	69.747,058	10,209	9,743
4	21	98.762	82.029,999	1.660.093,496	20,238	19,772	54	71	78.295	6.388,738	62.915,423	9,848	9,382
5	22	98.724	78.280,602	1.578.063,497	20,159	19,693	55	72	76.502	5.959,413	56.526,685	9,485	9,019
6	23	98.684	74.700,422	1.499.782,895	20,077	19,611	56	73	74.561	5.544,788	50.567,272	9,120	8,654
7	24	98.647	71.286,136	1.425.082,473	19,991	19,525	57	74	72.470	5.144,906	45.022,484	8,751	8,285
8	25	98.608	68.026,701	1.353.796,336	19,901	19,435	58	75	70.208	4.758,277	39.877,577	8,381	7,915
9	26	98.572	64.918,258	1.285.769,635	19,806	19,340	59	76	67.735	4.382,564	35.119,300	8,013	7,547
10	27	98.535	61.951,323	1.220.851,376	19,707	19,241	60	77	65.083	4.020,013	30.736,736	7,646	7,180
11	28	98.497	59.119,283	1.158.900,054	19,603	19,137	61	78	62.257	3.671,070	26.716,723	7,278	6,812
12	29	98.454	56.413,553	1.099.780,771	19,495	19,029	62	79	59.230	3.334,179	23.045,654	6,912	6,446
13	30	98.412	53.832,625	1.043.367,219	19,382	18,916	63	80	55.974	3.008,020	19.711,475	6,553	6,087
14	31	98.367	51.368,040	989.534,593	19,264	18,798	64	81	52.478	2.692,253	16.703,455	6,204	5,738
15	32	98.314	49.012,141	938.166,554	19,142	18,676	65	82	48.770	2.388,598	14.011,201	5,866	5,400
16	33	98.256	46.761,963	889.154,413	19,014	18,548	66	83	44.820	2.095,569	11.622,603	5,546	5,080
17	34	98.179	44.606,562	842.392,451	18,885	18,419	67	84	40.812	1.821,652	9.527,034	5,230	4,764
18	35	98.083	42.542,293	797.785,888	18,753	18,287	68	85	36.728	1.565,038	7.705,382	4,923	4,457
19	36	97.958	40.561,585	755.243,596	18,620	18,154	69	86	32.746	1.332,094	6.140,344	4,610	4,144
20	37	97.824	38.669,212	714.682,010	18,482	18,016	70	87	28.687	1.114,038	4.808,249	4,316	3,850
21	38	97.690	36.865,030	676.012,798	18,338	17,872	71	88	24.584	911,401	3.694,211	4,053	3,587
22	39	97.545	35.141,152	639.147,769	18,188	17,722	72	89	20.678	731,839	2.782,811	3,802	3,336
23	40	97.393	33.495,519	604.006,617	18,032	17,566	73	90	16.993	574,145	2.050,972	3,572	3,106
24	41	97.237	31.925,129	570.511,098	17,870	17,404	74	91	13.664	440,731	1.476,827	3,351	2,885
25	42	97.070	30.425,232	538.585,969	17,702	17,236	75	92	10.632	327,383	1.036,096	3,165	2,699
26	43	96.890	28.991,679	508.160,737	17,528	17,062	76	93	8.058	236,863	708,713	2,992	2,526
27	44	96.695	27.621,327	479.169,058	17,348	16,882	77	94	5.941	166,719	471,850	2,830	2,364
28	45	96.491	26.313,272	451.547,731	17,160	16,694	78	95	4.250	113,867	305,131	2,680	2,214
29	46	96.267	25.061,793	425.234,460	16,967	16,501	79	96	2.943	75,274	191,264	2,541	2,075
30	47	96.027	23.865,572	400.172,667	16,768	16,302	80	97	1.970	48,104	115,989	2,411	1,945
31	48	95.770	22.722,445	376.307,095	16,561	16,095	81	98	1.271	29,619	67,885	2,292	1,826
32	49	95.492	21.628,992	353.584,650	16,348	15,882	82	99	788	17,546	38,267	2,181	1,715
33	50	95.184	20.581,632	331.955,658	16,129	15,663	83	100	468	9,943	20,721	2,084	1,618
34	51	94.860	19.581,500	311.374,026	15,901	15,435	84	101	266	5,404	10,778	1,994	1,528
35	52	94.506	18.623,835	291.792,526	15,668	15,202	85	102	145	2,812	5,374	1,911	1,445
36	53	94.122	17.707,018	273.168,690	15,427	14,961	86	103	76	1,403	2,562	1,826	1,360
37	54	93.719	16.831,677	255.461,672	15,177	14,711	87	104	38	0,663	1,158	1,748	1,282
38	55	93.280	15.993,191	238.629,995	14,921	14,455	88	105	18	0,295	0,496	1,681	1,215
39	56	92.799	15.189,187	222.636,804	14,658	14,192	89						
40	57	92.284	14.419,942	207.447,617	14,386	13,920	90						
41	58	91.714	13.681,014	193.027,675	14,109	13,643	91						
42	59	91.099	12.973,047	179.346,661	13,825	13,359	92						
43	60	90.435	12.294,632	166.373,615	13,532	13,066	93						
44	61	89.715	11.643,620	154.078,982	13,233	12,767	94						
45	62	88.971	11.023,422	142.435,363	12,921	12,455	95						
46	63	88.139	10.425,152	131.411,941	12,605	12,139	96						
47	64	87.242	9.851,166	120.986,789	12,281	11,815	97						
48	65	86.280	9.300,691	111.135,623	11,949	11,483	98						
49	66	85.226	8.770,472	101.834,932	11,611	11,145	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -18 Jahre

Zinsfuß 4,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	18	99.380	99.380,101	2.024.752,124	20,374	19,908	50	68	83.220	8.175,738	89.799,002	10,984	10,518
1	19	98.898	94.413,603	1.925.372,022	20,393	19,927	51	69	81.861	7.677,496	81.623,265	10,631	10,165
2	20	98.831	90.070,930	1.830.958,420	20,328	19,862	52	70	80.398	7.198,355	73.945,769	10,273	9,807
3	21	98.780	85.942,102	1.740.887,490	20,257	19,791	53	71	78.790	6.734,533	66.747,414	9,911	9,445
4	22	98.738	82.009,929	1.654.945,388	20,180	19,714	54	72	77.025	6.285,162	60.012,880	9,548	9,082
5	23	98.698	78.259,409	1.572.935,459	20,099	19,633	55	73	75.123	5.851,970	53.727,718	9,181	8,715
6	24	98.658	74.680,932	1.494.676,050	20,014	19,548	56	74	73.042	5.431,828	47.875,748	8,814	8,348
7	25	98.620	71.266,770	1.419.995,118	19,925	19,459	57	75	70.820	5.027,800	42.443,920	8,442	7,976
8	26	98.584	68.009,962	1.348.728,349	19,831	19,365	58	76	68.387	4.634,907	37.416,120	8,073	7,607
9	27	98.544	64.900,084	1.280.718,386	19,734	19,268	59	77	65.775	4.255,696	32.781,214	7,703	7,237
10	28	98.506	61.933,268	1.215.818,302	19,631	19,165	60	78	62.966	3.889,232	28.525,518	7,334	6,868
11	29	98.468	59.101,735	1.153.885,034	19,524	19,058	61	79	59.950	3.535,012	24.636,286	6,969	6,503
12	30	98.425	56.397,040	1.094.783,300	19,412	18,946	62	80	56.738	3.193,923	21.101,274	6,607	6,141
13	31	98.380	53.814,999	1.038.386,260	19,295	18,829	63	81	53.247	2.861,487	17.907,351	6,258	5,792
14	32	98.332	51.349,691	984.571,260	19,174	18,708	64	82	49.552	2.542,177	15.045,865	5,918	5,452
15	33	98.279	48.994,713	933.221,570	19,047	18,581	65	83	45.619	2.234,237	12.503,688	5,596	5,130
16	34	98.216	46.743,278	884.226,857	18,917	18,451	66	84	41.608	1.945,405	10.269,451	5,279	4,813
17	35	98.133	44.585,650	837.483,579	18,784	18,318	67	85	37.532	1.675,261	8.324,045	4,969	4,503
18	36	98.033	42.520,513	792.897,929	18,647	18,181	68	86	33.539	1.429,154	6.648,784	4,652	4,186
19	37	97.903	40.538,650	750.377,416	18,510	18,044	69	87	29.445	1.197,800	5.219,630	4,358	3,892
20	38	97.764	38.645,499	709.838,767	18,368	17,902	70	88	25.305	982,718	4.021,830	4,093	3,627
21	39	97.621	36.839,242	671.193,268	18,220	17,754	71	89	21.350	791,527	3.039,112	3,840	3,374
22	40	97.467	35.113,030	634.354,026	18,066	17,600	72	90	17.613	623,362	2.247,585	3,606	3,140
23	41	97.309	33.466,378	599.240,996	17,906	17,440	73	91	14.215	480,294	1.624,223	3,382	2,916
24	42	97.140	31.893,572	565.774,617	17,739	17,273	74	92	11.103	358,138	1.143,929	3,194	2,728
25	43	96.961	30.391,013	533.881,046	17,567	17,101	75	93	8.448	260,141	785,791	3,021	2,555
26	44	96.764	28.954,047	503.490,032	17,389	16,923	76	94	6.253	183,808	525,650	2,860	2,394
27	45	96.560	27.582,878	474.535,986	17,204	16,738	77	95	4.496	126,183	341,842	2,709	2,243
28	46	96.338	26.271,538	446.953,108	17,013	16,547	78	96	3.133	83,946	215,659	2,569	2,103
29	47	96.094	25.016,782	420.681,569	16,816	16,350	79	97	2.111	53,984	131,713	2,440	1,974
30	48	95.840	23.819,162	395.664,787	16,611	16,145	80	98	1.373	33,516	77,729	2,319	1,853
31	49	95.567	22.674,274	371.845,625	16,399	15,933	81	99	859	20,023	44,213	2,208	1,742
32	50	95.262	21.576,937	349.171,351	16,183	15,717	82	100	517	11,494	24,190	2,105	1,639
33	51	94.943	20.529,630	327.594,413	15,957	15,491	83	101	297	6,303	12,696	2,014	1,548
34	52	94.597	19.527,118	307.064,783	15,725	15,259	84	102	163	3,311	6,393	1,931	1,465
35	53	94.220	18.567,532	287.537,665	15,486	15,020	85	103	86	1,663	3,082	1,853	1,387
36	54	93.825	17.651,107	268.970,134	15,238	14,772	86	104	43	0,800	1,418	1,773	1,307
37	55	93.393	16.773,132	251.319,027	14,983	14,517	87	105	21	0,364	0,618	1,701	1,235
38	56	92.927	15.932,627	234.545,894	14,721	14,255	88	106					
39	57	92.426	15.128,206	218.613,267	14,451	13,985	89	107					
40	58	91.872	14.355,585	203.485,060	14,175	13,709	90	108					
41	59	91.272	13.615,131	189.129,476	13,891	13,425	91	109					
42	60	90.635	12.907,095	175.514,345	13,598	13,132	92	110					
43	61	89.938	12.226,960	162.607,250	13,299	12,833	93	111					
44	62	89.210	11.578,097	150.380,290	12,988	12,522	94	112					
45	63	88.411	10.954,053	138.802,194	12,671	12,205	95						
46	64	87.539	10.354,242	127.848,141	12,347	11,881	96						
47	65	86.604	9.779,126	117.493,899	12,015	11,549	97						
48	66	85.575	9.224,729	107.714,773	11,677	11,211	98						
49	67	84.454	8.691,041	98.490,044	11,332	10,866	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -19 Jahre

Zinsfuß 4,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	19	99.352	99.351,520	2.019.208,680	20,324	19,858	50	69	82.268	8.082,227	86.402,081	10,690	10,224
1	20	98.871	94.387,431	1.919.857,159	20,340	19,874	51	70	80.816	7.579,545	78.319,854	10,333	9,867
2	21	98.800	90.042,480	1.825.469,729	20,273	19,807	52	71	79.255	7.096,041	70.740,309	9,969	9,503
3	22	98.756	85.921,075	1.735.427,248	20,198	19,732	53	72	77.513	6.625,351	63.644,268	9,606	9,140
4	23	98.711	81.987,725	1.649.506,174	20,119	19,653	54	73	75.637	6.171,846	57.018,917	9,239	8,773
5	24	98.672	78.238,990	1.567.518,448	20,035	19,569	55	74	73.593	5.732,752	50.847,071	8,870	8,404
6	25	98.632	74.660,643	1.489.279,458	19,947	19,481	56	75	71.379	5.308,190	45.114,319	8,499	8,033
7	26	98.596	71.249,233	1.414.618,815	19,855	19,389	57	76	68.984	4.897,441	39.806,129	8,128	7,662
8	27	98.556	67.990,922	1.343.369,582	19,758	19,292	58	77	66.408	4.500,734	34.908,687	7,756	7,290
9	28	98.516	64.881,170	1.275.378,660	19,657	19,191	59	78	63.635	4.117,247	30.407,954	7,386	6,919
10	29	98.477	61.914,885	1.210.497,490	19,551	19,085	60	79	60.632	3.745,089	26.290,706	7,020	6,554
11	30	98.439	59.084,435	1.148.582,605	19,440	18,974	61	80	57.428	3.386,308	22.545,618	6,658	6,192
12	31	98.393	56.378,574	1.089.498,169	19,325	18,859	62	81	53.974	3.038,333	19.159,310	6,306	5,840
13	32	98.345	53.795,776	1.033.119,595	19,204	18,738	63	82	50.279	2.701,976	16.120,977	5,966	5,500
14	33	98.297	51.331,432	979.323,819	19,078	18,612	64	83	46.350	2.377,891	13.419,001	5,643	5,177
15	34	98.239	48.975,136	927.992,387	18,948	18,482	65	84	42.350	2.074,136	11.041,110	5,323	4,857
16	35	98.170	46.721,363	879.017,251	18,814	18,348	66	85	38.264	1.789,069	8.966,974	5,012	4,546
17	36	98.082	44.562,824	832.295,888	18,677	18,211	67	86	34.273	1.529,807	7.177,904	4,692	4,226
18	37	97.977	42.496,469	787.733,063	18,536	18,070	68	87	30.158	1.285,075	5.648,097	4,395	3,929
19	38	97.843	40.513,791	745.236,594	18,395	17,929	69	88	25.974	1.056,606	4.363,022	4,129	3,663
20	39	97.696	38.618,466	704.722,804	18,248	17,782	70	89	21.977	853,464	3.306,416	3,874	3,408
21	40	97.543	36.809,761	666.104,338	18,096	17,630	71	90	18.186	674,203	2.452,952	3,638	3,172
22	41	97.382	35.082,482	629.294,577	17,938	17,472	72	91	14.734	521,466	1.778,749	3,411	2,945
23	42	97.212	33.433,297	594.212,094	17,773	17,307	73	92	11.551	390,287	1.257,283	3,221	2,755
24	43	97.031	31.857,702	560.778,797	17,603	17,137	74	93	8.823	284,580	866,996	3,047	2,581
25	44	96.835	30.351,565	528.921,095	17,426	16,960	75	94	6.556	201,872	582,416	2,885	2,419
26	45	96.629	28.913,743	498.569,530	17,243	16,777	76	95	4.732	139,117	380,544	2,735	2,269
27	46	96.407	27.539,131	469.655,788	17,054	16,588	77	96	3.315	93,025	241,427	2,595	2,129
28	47	96.165	26.224,355	442.116,657	16,859	16,393	78	97	2.247	60,203	148,402	2,465	1,999
29	48	95.908	24.968,133	415.892,301	16,657	16,191	79	98	1.471	37,613	88,199	2,345	1,879
30	49	95.637	23.768,667	390.924,168	16,447	15,981	80	99	928	22,658	50,586	2,233	1,767
31	50	95.337	22.619,704	367.155,501	16,232	15,766	81	100	563	13,117	27,928	2,129	1,663
32	51	95.021	21.522,420	344.535,797	16,008	15,542	82	101	327	7,286	14,811	2,033	1,567
33	52	94.680	20.472,615	323.013,377	15,778	15,312	83	102	182	3,862	7,525	1,949	1,483
34	53	94.311	19.468,083	302.540,762	15,540	15,074	84	103	97	1,958	3,663	1,871	1,405
35	54	93.923	18.508,904	283.072,679	15,294	14,828	85	104	49	0,948	1,705	1,798	1,332
36	55	93.498	17.589,712	264.563,775	15,041	14,575	86	105	24	0,439	0,757	1,723	1,257
37	56	93.039	16.709,615	246.974,063	14,780	14,314	87	106					
38	57	92.554	15.868,662	230.264,448	14,511	14,045	88	107					
39	58	92.014	15.060,688	214.395,786	14,235	13,769	89	108					
40	59	91.429	14.286,454	199.335,098	13,953	13,487	90	109					
41	60	90.808	13.545,915	185.048,644	13,661	13,195	91	110					
42	61	90.137	12.836,051	171.502,730	13,361	12,895	92	111					
43	62	89.432	12.158,154	158.666,679	13,050	12,584	93	112					
44	63	88.649	11.505,237	146.508,525	12,734	12,268	94						
45	64	87.810	10.879,545	135.003,288	12,409	11,943	95						
46	65	86.899	10.278,523	124.123,743	12,076	11,610	96						
47	66	85.897	9.699,257	113.845,220	11,738	11,272	97						
48	67	84.800	9.141,185	104.145,963	11,393	10,927	98						
49	68	83.595	8.602,697	95.004,778	11,044	10,578	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -20 Jahre

Zinsfuß 4,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	20	99.324	99.323,980	2.013.365,507	20,271	19,805	50	70	81.219	7.979,113	82.879,143	10,387	9,921
1	21	98.840	94.357,618	1.914.041,527	20,285	19,819	51	71	79.668	7.471,813	74.900,031	10,024	9,558
2	22	98.776	90.020,450	1.819.683,910	20,214	19,748	52	72	77.970	6.980,998	67.428,218	9,659	9,193
3	23	98.729	85.897,812	1.729.663,460	20,136	19,670	53	73	76.115	6.505,902	60.447,219	9,291	8,825
4	24	98.685	81.966,334	1.643.765,648	20,054	19,588	54	74	74.096	6.046,111	53.941,317	8,922	8,456
5	25	98.645	78.217,734	1.561.799,314	19,967	19,501	55	75	71.918	5.602,265	47.895,206	8,549	8,083
6	26	98.607	74.642,271	1.483.581,579	19,876	19,410	56	76	69.529	5.170,562	42.292,942	8,180	7,714
7	27	98.568	71.229,286	1.408.939,308	19,780	19,314	57	77	66.987	4.755,668	37.122,380	7,806	7,340
8	28	98.527	67.971,108	1.337.710,021	19,681	19,215	58	78	64.247	4.354,313	32.366,711	7,433	6,967
9	29	98.486	64.861,912	1.269.738,914	19,576	19,110	59	79	61.276	3.964,654	28.012,398	7,066	6,600
10	30	98.448	61.896,762	1.204.877,002	19,466	19,000	60	80	58.082	3.587,547	24.047,744	6,703	6,237
11	31	98.407	59.065,090	1.142.980,240	19,351	18,885	61	81	54.630	3.221,346	20.460,197	6,351	5,885
12	32	98.357	56.358,436	1.083.915,150	19,233	18,767	62	82	50.965	2.868,964	17.238,851	6,009	5,543
13	33	98.310	53.776,648	1.027.556,714	19,108	18,642	63	83	47.030	2.527,363	14.369,887	5,686	5,220
14	34	98.258	51.310,921	973.780,067	18,978	18,512	64	84	43.029	2.207,496	11.842,523	5,365	4,899
15	35	98.193	48.952,175	922.469,146	18,844	18,378	65	85	38.946	1.907,456	9.635,027	5,051	4,585
16	36	98.120	46.697,444	873.516,970	18,706	18,240	66	86	34.942	1.633,734	7.727,572	4,730	4,264
17	37	98.027	44.537,626	826.819,526	18,565	18,099	67	87	30.818	1.375,581	6.093,838	4,430	3,964
18	38	97.917	42.470,410	782.281,901	18,419	17,953	68	88	26.603	1.133,593	4.718,257	4,162	3,696
19	39	97.774	40.485,451	739.811,491	18,274	17,808	69	89	22.558	917,634	3.584,664	3,906	3,440
20	40	97.618	38.587,561	699.326,040	18,123	17,657	70	90	18.719	726,959	2.667,030	3,669	3,203
21	41	97.458	36.777,737	660.738,479	17,966	17,500	71	91	15.213	563,997	1.940,071	3,440	2,974
22	42	97.286	35.047,804	623.960,742	17,803	17,337	72	92	11.973	423,743	1.376,074	3,247	2,781
23	43	97.103	33.395,696	588.912,938	17,634	17,168	73	93	9.179	310,126	952,331	3,071	2,605
24	44	96.905	31.816,350	555.517,242	17,460	16,994	74	94	6.847	220,837	642,205	2,908	2,442
25	45	96.700	30.309,316	523.700,893	17,279	16,813	75	95	4.962	152,789	421,368	2,758	2,292
26	46	96.476	28.867,885	493.391,577	17,091	16,625	76	96	3.489	102,560	268,579	2,619	2,153
27	47	96.234	27.489,671	464.523,692	16,898	16,432	77	97	2.377	66,714	166,019	2,489	2,023
28	48	95.978	26.173,358	437.034,021	16,698	16,232	78	98	1.566	41,946	99,305	2,367	1,901
29	49	95.704	24.915,203	410.860,663	16,490	16,024	79	99	994	25,428	57,359	2,256	1,790
30	50	95.407	23.711,462	385.945,460	16,277	15,811	80	100	608	14,843	31,931	2,151	1,685
31	51	95.096	22.562,552	362.233,998	16,055	15,589	81	101	357	8,315	17,088	2,055	1,589
32	52	94.757	21.462,647	339.671,445	15,826	15,360	82	102	201	4,464	8,773	1,965	1,499
33	53	94.393	20.410,722	318.208,798	15,590	15,124	83	103	108	2,284	4,309	1,887	1,421
34	54	94.013	19.406,612	297.798,076	15,345	14,879	84	104	55	1,116	2,025	1,814	1,348
35	55	93.596	18.444,526	278.391,464	15,093	14,627	85	105	27	0,520	0,909	1,746	1,280
36	56	93.144	17.523,102	259.946,939	14,835	14,369	86	106					
37	57	92.666	16.642,530	242.423,836	14,567	14,101	87	107					
38	58	92.141	15.797,839	225.781,306	14,292	13,826	88	108					
39	59	91.570	14.988,161	209.983,467	14,010	13,544	89	109					
40	60	90.965	14.213,824	194.995,306	13,719	13,253	90	110					
41	61	90.308	13.471,354	180.781,481	13,420	12,954	91	111					
42	62	89.629	12.763,818	167.310,127	13,108	12,642	92	112					
43	63	88.869	12.081,644	154.546,309	12,792	12,326	93						
44	64	88.046	11.426,980	142.464,665	12,467	12,001	94						
45	65	87.167	10.799,985	131.037,685	12,133	11,667	95						
46	66	86.190	10.194,574	120.237,700	11,794	11,328	96						
47	67	85.119	9.611,414	110.043,125	11,449	10,983	97						
48	68	83.938	9.048,264	100.431,711	11,100	10,634	98						
49	69	82.639	8.504,303	91.383,446	10,746	10,280	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -21 Jahre

Zinsfuß 4,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	21	99.293	99.292,607	2.007.208,743	20,215	19,749	50	71	80.064	7.865,701	79.236,076	10,074	9,608
1	22	98.815	94.334,531	1.907.916,136	20,225	19,759	51	72	78.376	7.350,678	71.370,374	9,709	9,243
2	23	98.749	89.996,077	1.813.581,605	20,152	19,686	52	73	76.564	6.855,137	64.019,696	9,339	8,873
3	24	98.703	85.875,401	1.723.585,528	20,071	19,605	53	74	74.565	6.373,362	57.164,560	8,969	8,503
4	25	98.658	81.944,066	1.637.710,127	19,986	19,520	54	75	72.409	5.908,491	50.791,198	8,596	8,130
5	26	98.621	78.198,488	1.555.766,061	19,895	19,429	55	76	70.053	5.457,012	44.882,707	8,225	7,759
6	27	98.580	74.621,375	1.477.567,573	19,801	19,335	56	77	67.516	5.020,883	39.425,695	7,852	7,386
7	28	98.539	71.208,528	1.402.946,198	19,702	19,236	57	78	64.808	4.600,955	34.404,812	7,478	7,012
8	29	98.498	67.950,932	1.331.737,671	19,599	19,133	58	79	61.866	4.192,933	29.803,858	7,108	6,642
9	30	98.458	64.842,926	1.263.786,738	19,490	19,024	59	80	58.699	3.797,876	25.610,924	6,743	6,277
10	31	98.416	61.876,496	1.198.943,812	19,376	18,910	60	81	55.252	3.412,782	21.813,048	6,392	5,926
11	32	98.372	59.043,991	1.137.067,316	19,258	18,792	61	82	51.585	3.041,776	18.400,266	6,049	5,583
12	33	98.322	56.338,396	1.078.023,325	19,135	18,669	62	83	47.672	2.683,560	15.358,491	5,723	5,257
13	34	98.270	53.755,160	1.021.684,929	19,006	18,540	63	84	43.660	2.346,258	12.674,931	5,402	4,936
14	35	98.212	51.286,866	967.929,769	18,873	18,407	64	85	39.571	2.030,098	10.328,673	5,088	4,622
15	36	98.143	48.927,114	916.642,903	18,735	18,269	65	86	35.565	1.741,842	8.298,575	4,764	4,298
16	37	98.065	46.671,039	867.715,789	18,592	18,126	66	87	31.419	1.469,030	6.556,733	4,463	3,997
17	38	97.967	44.510,314	821.044,751	18,446	17,980	67	88	27.185	1.213,430	5.087,703	4,193	3,727
18	39	97.849	42.440,701	776.534,437	18,297	17,831	68	89	23.104	984,495	3.874,273	3,935	3,469
19	40	97.696	40.453,052	734.093,736	18,147	17,681	69	90	19.214	781,618	2.889,778	3,697	3,231
20	41	97.533	38.553,991	693.640,684	17,991	17,525	70	91	15.660	608,129	2.108,160	3,467	3,001
21	42	97.362	36.741,383	655.086,693	17,830	17,364	71	92	12.362	458,304	1.500,031	3,273	2,807
22	43	97.176	35.008,386	618.345,310	17,663	17,197	72	93	9.514	336,711	1.041,727	3,094	2,628
23	44	96.977	33.352,348	583.336,924	17,490	17,024	73	94	7.123	240,661	705,016	2,930	2,463
24	45	96.770	31.772,061	549.984,576	17,310	16,844	74	95	5.182	167,142	464,356	2,778	2,312
25	46	96.547	30.261,245	518.212,515	17,125	16,659	75	96	3.658	112,640	297,213	2,639	2,173
26	47	96.303	28.816,039	487.951,271	16,933	16,467	76	97	2.502	73,552	184,574	2,509	2,043
27	48	96.047	27.436,214	459.135,232	16,735	16,269	77	98	1.656	46,483	111,021	2,388	1,922
28	49	95.775	26.117,872	431.699,018	16,529	16,063	78	99	1.058	28,357	64,539	2,276	1,810
29	50	95.474	24.855,239	405.581,146	16,318	15,852	79	100	651	16,657	36,182	2,172	1,706
30	51	95.166	23.651,552	380.725,907	16,097	15,631	80	101	385	9,409	19,525	2,075	1,609
31	52	94.832	22.499,891	357.074,355	15,870	15,404	81	102	219	5,095	10,115	1,985	1,519
32	53	94.471	21.397,761	334.574,464	15,636	15,170	82	103	119	2,640	5,021	1,902	1,436
33	54	94.095	20.346,274	313.176,703	15,392	14,926	83	104	61	1,302	2,380	1,828	1,362
34	55	93.686	19.339,111	292.830,429	15,142	14,676	84	105	30	0,613	1,078	1,760	1,294
35	56	93.242	18.374,679	273.491,318	14,884	14,418	85	106					
36	57	92.770	17.452,752	255.116,639	14,618	14,152	86	107					
37	58	92.252	16.568,253	237.663,887	14,345	13,879	87	108					
38	59	91.697	15.721,763	221.095,634	14,063	13,597	88	109					
39	60	91.105	14.911,965	205.373,871	13,772	13,306	89	110					
40	61	90.464	14.135,588	190.461,906	13,474	13,008	90	111					
41	62	89.800	13.395,546	176.326,319	13,163	12,697	91	112					
42	63	89.065	12.683,496	162.930,772	12,846	12,380	92						
43	64	88.264	11.999,467	150.247,276	12,521	12,055	93						
44	65	87.402	11.343,417	138.247,809	12,187	11,721	94						
45	66	86.456	10.711,777	126.904,392	11,847	11,381	95						
46	67	85.409	10.102,246	116.192,615	11,502	11,036	96						
47	68	84.254	9.513,715	106.090,368	11,151	10,685	97						
48	69	82.978	8.944,774	96.576,654	10,797	10,331	98						
49	70	81.585	8.395,804	87.631,879	10,438	9,972	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -22 Jahre

Zinsfuß 4,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	22	99.268	99.268,313	2.000.729,089	20,155	19,689	50	72	78.766	7.738,180	75.479,878	9,754	9,288
1	23	98.789	94.308,991	1.901.460,776	20,162	19,696	51	73	76.963	7.218,152	67.741,698	9,385	8,919
2	24	98.723	89.972,597	1.807.151,785	20,086	19,620	52	74	75.004	6.715,482	60.523,546	9,013	8,547
3	25	98.676	85.852,071	1.717.179,188	20,002	19,536	53	75	72.867	6.228,293	53.808,064	8,639	8,173
4	26	98.634	81.923,902	1.631.327,117	19,913	19,447	54	76	70.532	5.755,299	47.579,771	8,267	7,801
5	27	98.593	78.176,595	1.549.403,215	19,819	19,353	55	77	68.025	5.299,040	41.824,473	7,893	7,427
6	28	98.551	74.599,628	1.471.226,620	19,722	19,256	56	78	65.319	4.857,541	36.525,433	7,519	7,053
7	29	98.510	71.187,392	1.396.626,992	19,619	19,153	57	79	62.406	4.430,433	31.667,892	7,148	6,682
8	30	98.469	67.931,043	1.325.439,601	19,512	19,046	58	80	59.264	4.016,553	27.237,458	6,781	6,315
9	31	98.425	64.821,696	1.257.508,558	19,400	18,933	59	81	55.839	3.612,865	23.220,905	6,427	5,961
10	32	98.381	61.854,393	1.192.686,863	19,282	18,816	60	82	52.172	3.222,540	19.608,041	6,085	5,619
11	33	98.337	59.022,997	1.130.832,469	19,159	18,693	61	83	48.251	2.845,204	16.385,500	5,759	5,293
12	34	98.283	56.315,884	1.071.809,473	19,032	18,566	62	84	44.256	2.491,262	13.540,297	5,435	4,969
13	35	98.224	53.729,958	1.015.493,589	18,900	18,434	63	85	40.151	2.157,709	11.049,035	5,121	4,655
14	36	98.161	51.260,609	961.763,630	18,762	18,296	64	86	36.135	1.853,836	8.891,326	4,796	4,330
15	37	98.088	48.899,448	910.503,021	18,620	18,154	65	87	31.979	1.566,239	7.037,490	4,493	4,027
16	38	98.004	46.642,419	861.603,574	18,473	18,007	66	88	27.716	1.295,864	5.471,252	4,222	3,756
17	39	97.898	44.479,179	814.961,154	18,322	17,856	67	89	23.610	1.053,832	4.175,387	3,962	3,496
18	40	97.770	42.406,737	770.481,976	18,169	17,703	68	90	19.679	838,568	3.121,556	3,722	3,256
19	41	97.611	40.417,858	728.075,238	18,014	17,548	69	91	16.073	653,853	2.282,987	3,492	3,026
20	42	97.436	38.515,881	687.657,380	17,854	17,388	70	92	12.725	494,166	1.629,134	3,297	2,831
21	43	97.253	36.700,061	649.141,499	17,688	17,222	71	93	9.823	364,173	1.134,969	3,117	2,651
22	44	97.050	34.962,945	612.441,439	17,517	17,051	72	94	7.383	261,291	770,796	2,950	2,484
23	45	96.842	33.305,921	577.478,494	17,339	16,873	73	95	5.391	182,146	509,505	2,797	2,331
24	46	96.617	31.721,670	544.172,573	17,155	16,689	74	96	3.820	123,221	327,359	2,657	2,191
25	47	96.373	30.206,896	512.450,903	16,965	16,499	75	97	2.623	80,781	204,138	2,527	2,061
26	48	96.116	28.760,002	482.244,007	16,768	16,302	76	98	1.743	51,247	123,357	2,407	1,941
27	49	95.843	27.378,051	453.484,005	16,564	16,098	77	99	1.120	31,424	72,109	2,295	1,829
28	50	95.544	26.055,014	426.105,954	16,354	15,888	78	100	693	18,576	40,686	2,190	1,724
29	51	95.233	24.792,439	400.050,940	16,136	15,670	79	101	413	10,560	22,110	2,094	1,628
30	52	94.901	23.585,866	375.258,501	15,910	15,444	80	102	236	5,765	11,550	2,003	1,537
31	53	94.545	22.431,869	351.672,635	15,677	15,211	81	103	129	3,013	5,785	1,920	1,454
32	54	94.172	21.330,197	329.240,766	15,435	14,969	82	104	68	1,505	2,772	1,842	1,376
33	55	93.768	20.275,505	307.910,570	15,186	14,720	83	105	34	0,715	1,267	1,773	1,307
34	56	93.331	19.265,877	287.635,065	14,930	14,464	84	106					
35	57	92.868	18.300,910	268.369,188	14,664	14,198	85	107					
36	58	92.356	17.374,859	250.068,279	14,393	13,927	86	108					
37	59	91.808	16.488,467	232.693,420	14,112	13,646	87	109					
38	60	91.231	15.641,837	216.204,953	13,822	13,356	88	110					
39	61	90.604	14.829,885	200.563,116	13,524	13,058	89	111					
40	62	89.955	14.056,042	185.733,231	13,214	12,748	90	112					
41	63	89.235	13.311,250	171.677,189	12,897	12,431	91						
42	64	88.459	12.597,225	158.365,939	12,571	12,105	92						
43	65	87.619	11.911,717	145.768,714	12,237	11,771	93						
44	66	86.688	11.250,771	133.856,997	11,898	11,432	94						
45	67	85.673	10.614,765	122.606,226	11,551	11,085	95						
46	68	84.541	9.999,557	111.991,461	11,200	10,734	96						
47	69	83.290	9.404,901	101.991,904	10,845	10,379	97						
48	70	81.919	8.830,655	92.587,003	10,485	10,019	98						
49	71	80.425	8.276,470	83.756,348	10,120	9,654	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -23 Jahre

Zinsfuß 4,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	23	99.241	99.241,437	1.993.905,382	20,091	19,625	50	73	77.346	7.598,668	71.621,978	9,426	8,960
1	24	98.763	94.284,385	1.894.663,944	20,095	19,629	51	74	75.395	7.071,101	64.023,310	9,054	8,588
2	25	98.696	89.948,153	1.800.379,559	20,016	19,550	52	75	73.297	6.562,626	56.952,209	8,678	8,212
3	26	98.652	85.830,945	1.710.431,406	19,928	19,462	53	76	70.978	6.066,809	50.389,583	8,306	7,840
4	27	98.606	81.900,967	1.624.600,461	19,836	19,370	54	77	68.490	5.588,692	44.322,774	7,931	7,465
5	28	98.564	78.153,812	1.542.699,494	19,739	19,273	55	78	65.812	5.126,649	38.734,082	7,555	7,089
6	29	98.522	74.577,485	1.464.545,682	19,638	19,172	56	79	62.899	4.677,510	33.607,433	7,185	6,719
7	30	98.481	71.166,555	1.389.968,197	19,531	19,065	57	80	59.781	4.244,062	28.929,923	6,817	6,351
8	31	98.437	67.908,801	1.318.801,642	19,420	18,954	58	81	56.377	3.820,889	24.685,861	6,461	5,995
9	32	98.390	64.798,541	1.250.892,842	19,304	18,838	59	82	52.727	3.411,470	20.864,972	6,116	5,650
10	33	98.346	61.832,399	1.186.094,301	19,182	18,716	60	83	48.801	3.014,287	17.453,502	5,790	5,324
11	34	98.297	58.999,412	1.124.261,902	19,055	18,589	61	84	44.794	2.641,322	14.439,216	5,467	5,001
12	35	98.237	56.289,482	1.065.262,489	18,925	18,459	62	85	40.699	2.291,060	11.797,893	5,150	4,684
13	36	98.174	53.702,451	1.008.973,007	18,788	18,322	63	86	36.665	1.970,367	9.506,833	4,825	4,359
14	37	98.106	51.231,623	955.270,556	18,646	18,180	64	87	32.492	1.666,942	7.536,467	4,521	4,055
15	38	98.028	48.869,462	904.038,933	18,499	18,033	65	88	28.210	1.381,614	5.869,524	4,248	3,782
16	39	97.936	46.609,792	855.169,471	18,347	17,881	66	89	24.070	1.125,423	4.487,910	3,988	3,522
17	40	97.820	44.443,584	808.559,679	18,193	17,727	67	90	20.110	897,628	3.362,487	3,746	3,280
18	41	97.685	42.369,844	764.116,095	18,034	17,568	68	91	16.463	701,494	2.464,859	3,514	3,048
19	42	97.515	40.377,906	721.746,251	17,875	17,409	69	92	13.061	531,321	1.763,365	3,319	2,853
20	43	97.327	38.472,563	681.368,346	17,711	17,244	70	93	10.111	392,669	1.232,044	3,138	2,672
21	44	97.126	36.652,423	642.895,783	17,540	17,074	71	94	7.623	282,601	839,375	2,970	2,504
22	45	96.915	34.914,276	606.243,359	17,364	16,898	72	95	5.588	197,760	556,774	2,815	2,349
23	46	96.689	33.253,097	571.329,083	17,181	16,715	73	96	3.974	134,282	359,013	2,674	2,208
24	47	96.443	31.664,699	538.075,986	16,993	16,527	74	97	2.740	88,370	224,731	2,543	2,077
25	48	96.186	30.148,154	506.411,287	16,797	16,331	75	98	1.828	56,284	136,361	2,423	1,957
26	49	95.912	28.699,033	476.263,133	16,595	16,129	76	99	1.179	34,645	80,077	2,311	1,845
27	50	95.613	27.312,159	447.564,100	16,387	15,921	77	100	734	20,585	45,433	2,207	1,741
28	51	95.303	25.989,183	420.251,941	16,170	15,704	78	101	440	11,776	24,848	2,110	1,644
29	52	94.968	24.723,584	394.262,758	15,947	15,481	79	102	253	6,470	13,072	2,020	1,554
30	53	94.615	23.514,561	369.539,174	15,715	15,249	80	103	140	3,410	6,602	1,936	1,470
31	54	94.247	22.361,039	346.024,613	15,474	15,008	81	104	74	1,718	3,192	1,858	1,392
32	55	93.845	21.256,005	323.663,574	15,227	14,761	82	105	37	0,826	1,474	1,785	1,319
33	56	93.413	20.198,724	302.407,568	14,972	14,506	83	106					
34	57	92.956	19.188,530	282.208,844	14,707	14,241	84	107					
35	58	92.453	18.219,231	263.020,314	14,436	13,970	85	108					
36	59	91.912	17.291,188	244.801,083	14,158	13,692	86	109					
37	60	91.341	16.404,643	227.509,895	13,869	13,403	87	110					
38	61	90.729	15.555,740	211.105,252	13,571	13,105	88	111					
39	62	90.094	14.746,432	195.549,512	13,261	12,795	89	112					
40	63	89.389	13.967,589	180.803,080	12,944	12,478	90						
41	64	88.628	13.220,709	166.835,491	12,619	12,153	91						
42	65	87.813	12.505,104	153.614,783	12,284	11,818	92						
43	66	86.903	11.814,430	141.109,679	11,944	11,478	93						
44	67	85.903	11.148,877	129.295,249	11,597	11,131	94						
45	68	84.802	10.506,866	118.146,372	11,245	10,779	95						
46	69	83.574	9.885,186	107.639,505	10,889	10,423	96						
47	70	82.228	9.284,911	97.754,319	10,528	10,062	97						
48	71	80.755	8.705,140	88.469,407	10,163	9,697	98						
49	72	79.121	8.142,289	79.764,267	9,796	9,330	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -24 Jahre

Zinsfuß 4,75%

Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	24	99.216	99.215,545	1.986.725,624	20,024	19,558	50	74	75.770	7.443,865	67.672,200	9,091	8,625
1	25	98.736	94.258,770	1.887.510,079	20,025	19,559	51	75	73.679	6.910,151	60.228,335	8,716	8,250
2	26	98.672	89.926,020	1.793.251,309	19,941	19,475	52	76	71.397	6.392,473	53.318,185	8,341	7,875
3	27	98.624	85.806,916	1.703.325,289	19,851	19,385	53	77	68.923	5.891,185	46.925,712	7,965	7,499
4	28	98.578	81.877,098	1.617.518,373	19,755	19,289	54	78	66.262	5.406,878	41.034,527	7,589	7,123
5	29	98.535	78.130,614	1.535.641,274	19,655	19,189	55	79	63.373	4.936,645	35.627,649	7,217	6,751
6	30	98.493	74.555,655	1.457.510,660	19,549	19,083	56	80	60.253	4.480,745	30.691,004	6,850	6,384
7	31	98.449	71.143,253	1.382.955,005	19,439	18,973	57	81	56.869	4.037,315	26.210,259	6,492	6,026
8	32	98.402	67.884,543	1.311.811,751	19,324	18,858	58	82	53.234	3.607,898	22.172,944	6,146	5,680
9	33	98.355	64.775,500	1.243.927,208	19,204	18,738	59	83	49.319	3.191,006	18.565,046	5,818	5,352
10	34	98.307	61.807,692	1.179.151,708	19,078	18,612	60	84	45.304	2.798,289	15.374,039	5,494	5,028
11	35	98.251	58.971,752	1.117.344,016	18,947	18,481	61	85	41.194	2.429,061	12.575,750	5,177	4,711
12	36	98.187	56.260,665	1.058.372,263	18,812	18,346	62	86	37.166	2.092,140	10.146,689	4,850	4,384
13	37	98.118	53.672,084	1.002.111,599	18,671	18,205	63	87	32.969	1.771,725	8.054,549	4,546	4,080
14	38	98.046	51.200,207	948.439,515	18,524	18,058	64	88	28.662	1.470,447	6.282,824	4,273	3,807
15	39	97.959	48.835,277	897.239,308	18,373	17,907	65	89	24.499	1.199,895	4.812,377	4,011	3,545
16	40	97.857	46.572,492	848.404,031	18,217	17,751	66	90	20.503	958,607	3.612,482	3,768	3,302
17	41	97.735	44.404,919	801.831,539	18,057	17,591	67	91	16.823	750,900	2.653,875	3,534	3,068
18	42	97.589	42.327,962	757.426,620	17,894	17,428	68	92	13.378	570,034	1.902,975	3,338	2,872
19	43	97.405	40.332,494	715.098,658	17,730	17,264	69	93	10.379	422,193	1.332,941	3,157	2,691
20	44	97.200	38.422,625	674.766,164	17,562	17,096	70	94	7.846	304,715	910,748	2,989	2,523
21	45	96.991	36.601,403	636.343,539	17,386	16,920	71	95	5.769	213,889	606,033	2,833	2,367
22	46	96.761	34.858,902	599.742,136	17,205	16,739	72	96	4.119	145,794	392,144	2,690	2,224
23	47	96.515	33.193,375	564.883,235	17,018	16,552	73	97	2.850	96,303	246,350	2,558	2,092
24	48	96.256	31.603,122	531.689,859	16,824	16,358	74	98	1.909	61,571	150,048	2,437	1,971
25	49	95.982	30.084,242	500.086,737	16,623	16,157	75	99	1.236	38,049	88,476	2,325	1,859
26	50	95.681	28.629,962	470.002,495	16,416	15,950	76	100	772	22,695	50,427	2,222	1,756
27	51	95.371	27.243,152	441.372,533	16,201	15,735	77	101	465	13,050	27,732	2,125	1,659
28	52	95.038	25.917,004	414.129,381	15,979	15,513	78	102	269	7,215	14,682	2,035	1,569
29	53	94.681	24.648,840	388.212,377	15,750	15,284	79	103	150	3,826	7,467	1,951	1,485
30	54	94.316	23.440,313	363.563,537	15,510	15,044	80	104	80	1,944	3,641	1,873	1,407
31	55	93.919	22.283,262	340.123,224	15,264	14,798	81	105	40	0,943	1,697	1,800	1,334
32	56	93.490	21.175,512	317.839,962	15,010	14,544	82	106					
33	57	93.038	20.117,632	296.664,450	14,746	14,280	83	107					
34	58	92.541	19.102,889	276.546,818	14,477	14,011	84	108					
35	59	92.008	18.131,494	257.443,929	14,199	13,733	85	109					
36	60	91.444	17.203,283	239.312,435	13,911	13,445	86	110					
37	61	90.838	16.314,348	222.109,151	13,614	13,148	87	111					
38	62	90.218	15.468,202	205.794,804	13,304	12,838	88	112					
39	63	89.527	14.653,635	190.326,601	12,988	12,522	89						
40	64	88.781	13.872,584	175.672,967	12,663	12,197	90						
41	65	87.980	13.124,028	161.800,383	12,329	11,863	91						
42	66	87.095	12.402,970	148.676,355	11,987	11,521	92						
43	67	86.116	11.707,431	136.273,385	11,640	11,174	93						
44	68	85.030	11.035,549	124.565,954	11,288	10,822	94						
45	69	83.832	10.386,693	113.530,405	10,930	10,464	95						
46	70	82.508	9.759,069	103.143,711	10,569	10,103	96						
47	71	81.059	9.152,940	93.384,642	10,203	9,737	97						
48	72	79.446	8.564,010	84.231,702	9,836	9,370	98						
49	73	77.695	7.995,491	75.667,692	9,464	8,998	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -25 Jahre

Zinsfuß 4,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	25	99.189	99.188,590	1.979.173,519	19,954	19,488	50	75	74.046	7.274,430	63.644,362	8,749	8,283
1	26	98.712	94.235,576	1.879.984,929	19,950	19,484	51	76	71.769	6.730,987	56.369,933	8,375	7,909
2	27	98.644	89.900,844	1.785.749,353	19,864	19,398	52	77	69.330	6.207,422	49.638,945	7,997	7,531
3	28	98.596	85.781,909	1.695.848,509	19,769	19,303	53	78	66.681	5.699,530	43.431,523	7,620	7,154
4	29	98.548	81.852,795	1.610.066,599	19,670	19,204	54	79	63.806	5.206,488	37.731,994	7,247	6,781
5	30	98.506	78.107,745	1.528.213,804	19,565	19,099	55	80	60.707	4.728,979	32.525,506	6,878	6,412
6	31	98.461	74.531,245	1.450.106,059	19,456	18,990	56	81	57.317	4.262,469	27.796,527	6,521	6,055
7	32	98.414	71.117,840	1.375.574,814	19,342	18,876	57	82	53.699	3.812,260	23.534,058	6,173	5,707
8	33	98.367	67.860,405	1.304.456,974	19,223	18,757	58	83	49.794	3.374,741	19.721,799	5,844	5,378
9	34	98.316	64.749,617	1.236.596,569	19,098	18,632	59	84	45.785	2.962,345	16.347,058	5,518	5,052
10	35	98.261	61.778,716	1.171.846,952	18,968	18,502	60	85	41.663	2.573,414	13.384,713	5,201	4,735
11	36	98.201	58.941,561	1.110.068,236	18,833	18,367	61	86	37.617	2.218,159	10.811,298	4,874	4,408
12	37	98.131	56.228,851	1.051.126,675	18,694	18,228	62	87	33.419	1.881,222	8.593,139	4,568	4,102
13	38	98.058	53.639,172	994.897,823	18,548	18,082	63	88	29.082	1.562,878	6.711,917	4,295	3,829
14	39	97.977	51.164,392	941.258,652	18,397	17,931	64	89	24.892	1.277,044	5.149,039	4,032	3,566
15	40	97.881	48.796,196	890.094,260	18,241	17,775	65	90	20.868	1.022,040	3.871,995	3,788	3,322
16	41	97.772	46.531,975	841.298,064	18,080	17,614	66	91	17.151	801,912	2.849,955	3,554	3,088
17	42	97.638	44.361,025	794.766,089	17,916	17,450	67	92	13.670	610,181	2.048,043	3,356	2,890
18	43	97.479	42.280,357	750.405,064	17,748	17,282	68	93	10.630	452,955	1.437,862	3,174	2,708
19	44	97.279	40.280,141	708.124,707	17,580	17,114	69	94	8.054	327,626	984,907	3,006	2,540
20	45	97.065	38.369,140	667.844,566	17,406	16,940	70	95	5.939	230,626	657,282	2,850	2,384
21	46	96.837	36.543,353	629.475,426	17,225	16,759	71	96	4.253	157,684	426,655	2,706	2,240
22	47	96.588	34.796,296	592.932,073	17,040	16,574	72	97	2.954	104,558	268,971	2,572	2,106
23	48	96.327	33.128,826	558.135,777	16,847	16,381	73	98	1.986	67,098	164,413	2,450	1,984
24	49	96.052	31.536,126	525.006,951	16,648	16,182	74	99	1.290	41,624	97,315	2,338	1,872
25	50	95.751	30.011,838	493.470,825	16,443	15,977	75	100	809	24,925	55,691	2,234	1,768
26	51	95.439	28.557,625	463.458,987	16,229	15,763	76	101	489	14,387	30,766	2,138	1,672
27	52	95.106	27.167,491	434.901,363	16,008	15,542	77	102	285	7,996	16,378	2,048	1,582
28	53	94.751	25.838,652	407.733,872	15,780	15,314	78	103	159	4,267	8,383	1,965	1,498
29	54	94.382	24.571,010	381.895,220	15,543	15,077	79	104	85	2,181	4,116	1,887	1,421
30	55	93.988	23.358,782	357.324,210	15,297	14,831	80	105	44	1,067	1,934	1,813	1,347
31	56	93.563	22.198,879	333.965,428	15,044	14,578	81	106					
32	57	93.114	21.090,498	311.766,550	14,782	14,316	82	107					
33	58	92.623	20.027,845	290.676,052	14,514	14,048	83	108					
34	59	92.096	19.010,897	270.648,206	14,236	13,770	84	109					
35	60	91.540	18.039,317	251.637,309	13,949	13,483	85	110					
36	61	90.941	17.108,592	233.597,992	13,654	13,188	86	111					
37	62	90.327	16.222,541	216.489,400	13,345	12,879	87	112					
38	63	89.650	15.370,863	200.266,859	13,029	12,563	88						
39	64	88.918	14.553,963	184.895,996	12,704	12,238	89						
40	65	88.131	13.771,136	170.342,033	12,369	11,903	90						
41	66	87.261	13.016,839	156.570,897	12,028	11,562	91						
42	67	86.307	12.290,642	143.554,058	11,680	11,214	92						
43	68	85.241	11.588,425	131.263,416	11,327	10,861	93						
44	69	84.057	10.909,329	119.674,991	10,970	10,504	94						
45	70	82.762	10.254,178	108.765,662	10,607	10,141	95						
46	71	81.335	9.620,359	98.511,484	10,240	9,774	96						
47	72	79.745	9.004,550	88.891,125	9,872	9,406	97						
48	73	78.013	8.409,609	79.886,575	9,499	9,033	98						
49	74	76.112	7.832,604	71.476,966	9,126	8,660	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 1 Jahr

Zinsfuß 4,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	49	91.859	9.024,437	129.859,715	14,390	13,924
1	0	99.544	95.029,852	1.985.923,633	20,898	20,432	51	50	91.184	8.551,891	120.835,278	14,130	13,664
2	1	99.126	90.339,651	1.890.893,781	20,931	20,465	52	51	90.482	8.101,279	112.283,387	13,860	13,394
3	2	99.070	86.194,859	1.800.554,131	20,889	20,423	53	52	89.702	7.667,207	104.182,108	13,588	13,122
4	3	99.033	82.254,984	1.714.359,272	20,842	20,376	54	53	88.868	7.251,532	96.514,901	13,310	12,844
5	4	99.002	78.501,037	1.632.104,287	20,791	20,325	55	54	87.986	6.853,988	89.263,369	13,024	12,558
6	5	98.976	74.921,384	1.553.603,250	20,736	20,270	56	55	87.024	6.471,620	82.409,381	12,734	12,268
7	6	98.952	71.506,310	1.478.681,866	20,679	20,213	57	56	86.015	6.106,561	75.937,762	12,435	11,969
8	7	98.930	68.249,062	1.407.175,556	20,618	20,152	58	57	84.929	5.756,008	69.831,200	12,132	11,666
9	8	98.910	65.140,815	1.338.926,494	20,554	20,088	59	58	83.744	5.418,337	64.075,192	11,826	11,360
10	9	98.891	62.175,147	1.273.785,679	20,487	20,021	60	59	82.465	5.093,619	58.656,855	11,516	11,050
11	10	98.875	59.346,337	1.211.610,532	20,416	19,950	61	60	81.122	4.783,456	53.563,236	11,198	10,732
12	11	98.853	56.642,265	1.152.264,196	20,343	19,877	62	61	79.706	4.486,862	48.779,780	10,872	10,406
13	12	98.831	54.061,630	1.095.621,930	20,266	19,800	63	62	78.190	4.201,924	44.292,918	10,541	10,075
14	13	98.809	51.599,073	1.041.560,301	20,186	19,720	64	63	76.575	3.928,537	40.090,994	10,205	9,739
15	14	98.782	49.245,399	989.961,227	20,103	19,637	65	64	74.854	3.666,098	36.162,457	9,864	9,398
16	15	98.747	46.995,748	940.715,828	20,017	19,551	66	65	73.005	3.413,416	32.496,359	9,520	9,054
17	16	98.691	44.839,479	893.720,081	19,932	19,466	67	66	71.024	3.170,173	29.082,943	9,174	8,708
18	17	98.620	42.775,428	848.880,602	19,845	19,379	68	67	68.873	2.934,771	25.912,769	8,830	8,364
19	18	98.524	40.795,778	806.105,175	19,760	19,294	69	68	66.561	2.707,653	22.977,999	8,486	8,020
20	19	98.416	38.903,292	765.309,396	19,672	19,206	70	69	64.105	2.489,503	20.270,346	8,142	7,676
21	20	98.314	37.100,658	726.406,104	19,579	19,113	71	70	61.483	2.279,381	17.780,843	7,801	7,335
22	21	98.206	35.379,340	689.305,446	19,483	19,017	72	71	58.700	2.077,540	15.501,462	7,461	6,995
23	22	98.108	33.741,303	653.926,107	19,381	18,915	73	72	55.716	1.882,486	13.423,922	7,131	6,665
24	23	98.009	32.178,678	620.184,803	19,273	18,807	74	73	52.589	1.696,279	11.541,436	6,804	6,338
25	24	97.912	30.689,203	588.006,125	19,160	18,694	75	74	49.330	1.519,018	9.845,157	6,481	6,015
26	25	97.814	29.268,185	557.316,922	19,042	18,576	76	75	45.979	1.351,608	8.326,139	6,160	5,694
27	26	97.720	27.914,135	528.048,737	18,917	18,451	77	76	42.552	1.194,163	6.974,531	5,841	5,375
28	27	97.623	26.621,827	500.134,601	18,787	18,321	78	77	39.059	1.046,417	5.780,368	5,524	5,058
29	28	97.522	25.388,550	473.512,775	18,651	18,185	79	78	35.494	907,800	4.733,950	5,215	4,749
30	29	97.425	24.213,043	448.124,225	18,508	18,042	80	79	31.903	778,943	3.826,150	4,912	4,446
31	30	97.325	23.091,429	423.911,182	18,358	17,892	81	80	28.289	659,399	3.047,207	4,621	4,155
32	31	97.217	22.019,703	400.819,754	18,203	17,737	82	81	24.702	549,666	2.387,808	4,344	3,878
33	32	97.102	20.996,472	378.800,050	18,041	17,575	83	82	21.136	448,981	1.838,142	4,094	3,628
34	33	96.983	20.019,661	357.803,578	17,873	17,407	84	83	17.755	360,070	1.389,161	3,858	3,392
35	34	96.851	19.085,965	337.783,918	17,698	17,232	85	84	14.665	283,924	1.029,091	3,625	3,159
36	35	96.705	18.192,891	318.697,953	17,518	17,052	86	85	11.920	220,301	745,167	3,382	2,916
37	36	96.546	17.339,428	300.505,062	17,331	16,865	87	86	9.443	166,611	524,867	3,150	2,684
38	37	96.375	16.523,805	283.165,634	17,137	16,671	88	87	7.216	121,543	358,256	2,948	2,482
39	38	96.183	15.743,119	266.641,829	16,937	16,471	89	88	5.312	85,414	236,713	2,771	2,305
40	39	95.968	14.995,570	250.898,710	16,732	16,266	90	89	3.784	58,084	151,299	2,605	2,139
41	40	95.726	14.279,489	235.903,140	16,520	16,054	91	90	2.598	38,067	93,216	2,449	1,983
42	41	95.461	13.594,237	221.623,651	16,303	15,837	92	91	1.711	23,934	55,148	2,304	1,838
43	42	95.156	12.936,369	208.029,414	16,081	15,615	93	92	1.071	14,298	31,214	2,183	1,717
44	43	94.814	12.305,328	195.093,045	15,854	15,388	94	93	640	8,160	16,916	2,073	1,607
45	44	94.436	11.700,606	182.787,717	15,622	15,156	95	94	365	4,438	8,755	1,973	1,507
46	45	94.015	11.120,158	171.087,110	15,385	14,919	96	95	197	2,294	4,318	1,882	1,416
47	46	93.547	10.563,090	159.966,952	15,144	14,678	97	96	101	1,124	2,023	1,799	1,333
48	47	93.029	10.028,257	149.403,862	14,898	14,432	98	97	49	0,521	0,899	1,724	1,258
49	48	92.469	9.515,890	139.375,605	14,647	14,181	99	98	23	0,228	0,378	1,656	1,190
							100	99	10	0,094	0,150	1,594	1,128

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 2 Jahre

Zinsfuß 4,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	48	92.054	9.043,608	130.887,731	14,473	14,007
1							51	49	91.404	8.572,523	121.844,123	14,213	13,747
2	0	99.504	90.683,972	1.892.729,708	20,872	20,406	52	50	90.711	8.121,800	113.271,600	13,947	13,481
3	1	99.106	86.225,740	1.802.045,736	20,899	20,433	53	51	89.952	7.688,560	105.149,800	13,676	13,210
4	2	99.052	82.271,250	1.715.819,996	20,856	20,390	54	52	89.138	7.273,521	97.461,241	13,399	12,933
5	3	99.019	78.514,514	1.633.548,746	20,806	20,340	55	53	88.265	6.875,698	90.187,719	13,117	12,651
6	4	98.989	74.931,062	1.555.034,232	20,753	20,287	56	54	87.328	6.494,208	83.312,021	12,829	12,363
7	5	98.964	71.515,658	1.480.103,170	20,696	20,230	57	55	86.342	6.129,774	76.817,813	12,532	12,066
8	6	98.939	68.255,351	1.408.587,511	20,637	20,171	58	56	85.271	5.779,210	70.688,039	12,231	11,765
9	7	98.918	65.146,489	1.340.332,160	20,574	20,108	59	57	84.119	5.442,628	64.908,829	11,926	11,460
10	8	98.901	62.181,116	1.275.185,671	20,508	20,042	60	58	82.864	5.118,267	59.466,201	11,618	11,152
11	9	98.882	59.350,172	1.213.004,556	20,438	19,972	61	59	81.536	4.807,898	54.347,934	11,304	10,838
12	10	98.861	56.647,029	1.153.654,384	20,366	19,900	62	60	80.147	4.511,695	49.540,036	10,980	10,514
13	11	98.840	54.066,700	1.097.007,355	20,290	19,824	63	61	78.633	4.225,704	45.028,341	10,656	10,190
14	12	98.818	51.603,456	1.042.940,655	20,211	19,745	64	62	77.060	3.953,415	40.802,637	10,321	9,855
15	13	98.791	49.250,171	991.337,199	20,129	19,663	65	63	75.367	3.691,205	36.849,222	9,983	9,517
16	14	98.758	47.001,224	942.087,028	20,044	19,578	66	64	73.543	3.438,562	33.158,017	9,643	9,177
17	15	98.709	44.847,492	895.085,804	19,958	19,492	67	65	71.609	3.196,279	29.719,455	9,298	8,832
18	16	98.641	42.784,488	850.238,313	19,873	19,407	68	66	69.502	2.961,592	26.523,176	8,956	8,490
19	17	98.546	40.804,756	807.453,824	19,788	19,322	69	67	67.245	2.735,459	23.561,584	8,613	8,147
20	18	98.445	38.914,483	766.649,068	19,701	19,235	70	68	64.847	2.518,306	20.826,125	8,270	7,804
21	19	98.341	37.110,945	727.734,585	19,610	19,144	71	69	62.277	2.308,837	18.307,819	7,929	7,463
22	20	98.237	35.390,518	690.623,639	19,514	19,048	72	70	59.547	2.107,495	15.998,981	7,591	7,125
23	21	98.132	33.749,561	655.233,121	19,415	18,949	73	71	56.634	1.913,509	13.891,486	7,260	6,794
24	22	98.035	32.187,393	621.483,561	19,308	18,842	74	72	53.555	1.727,423	11.977,977	6,934	6,468
25	23	97.938	30.697,213	589.296,168	19,197	18,731	75	73	50.356	1.550,608	10.250,555	6,611	6,145
26	24	97.840	29.276,139	558.598,955	19,080	18,614	76	74	47.050	1.383,089	8.699,947	6,290	5,824
27	25	97.744	27.921,006	529.322,816	18,958	18,492	77	75	43.685	1.225,949	7.316,858	5,968	5,502
28	26	97.650	26.629,282	501.401,811	18,829	18,363	78	76	40.223	1.077,613	6.090,909	5,652	5,186
29	27	97.551	25.395,951	474.772,529	18,695	18,229	79	77	36.688	938,326	5.013,296	5,343	4,877
30	28	97.454	24.220,232	449.376,578	18,554	18,088	80	78	33.131	808,923	4.074,970	5,038	4,572
31	29	97.354	23.098,190	425.156,346	18,406	17,940	81	79	29.532	688,356	3.266,047	4,745	4,279
32	30	97.248	22.026,915	402.058,157	18,253	17,787	82	80	25.967	577,813	2.577,691	4,461	3,995
33	31	97.137	21.003,975	380.031,241	18,093	17,627	83	81	22.383	475,486	1.999,877	4,206	3,740
34	32	97.017	20.026,782	359.027,267	17,927	17,461	84	82	18.982	384,947	1.524,391	3,960	3,494
35	33	96.890	19.093,594	339.000,485	17,755	17,289	85	83	15.797	305,840	1.139,444	3,726	3,260
36	34	96.750	18.201,424	319.906,891	17,576	17,110	86	84	12.961	239,552	833,604	3,480	3,014
37	35	96.595	17.348,309	301.705,467	17,391	16,925	87	85	10.341	182,452	594,053	3,256	2,790
38	36	96.429	16.533,154	284.357,158	17,199	16,733	88	86	8.025	135,170	411,601	3,045	2,579
39	37	96.242	15.752,779	267.824,003	17,002	16,536	89	87	6.022	96,828	276,431	2,855	2,389
40	38	96.035	15.006,067	252.071,224	16,798	16,332	90	88	4.357	66,880	179,603	2,685	2,219
41	39	95.802	14.290,926	237.065,157	16,589	16,123	91	89	3.050	44,692	112,723	2,522	2,056
42	40	95.544	13.606,074	222.774,232	16,373	15,907	92	90	2.045	28,611	68,031	2,378	1,912
43	41	95.250	12.949,169	209.168,158	16,153	15,687	93	91	1.317	17,596	39,420	2,240	1,774
44	42	94.920	12.319,183	196.218,989	15,928	15,462	94	92	805	10,269	21,824	2,125	1,659
45	43	94.559	11.715,814	183.899,805	15,697	15,231	95	93	470	5,719	11,555	2,020	1,554
46	44	94.146	11.135,659	172.183,992	15,462	14,996	96	94	261	3,031	5,836	1,925	1,459
47	45	93.696	10.579,870	161.048,333	15,222	14,756	97	95	137	1,525	2,805	1,839	1,373
48	46	93.197	10.046,300	150.468,463	14,978	14,511	98	96	69	0,727	1,280	1,760	1,294
49	47	92.649	9.534,431	140.422,163	14,728	14,262	99	97	32	0,327	0,553	1,689	1,223
							100	98	14	0,139	0,225	1,624	1,158

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 3 Jahre

Zinsfuß 4,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	47	92.234	9.061,229	131.838,048	14,550	14,084
1							51	48	91.598	8.590,735	122.776,819	14,292	13,826
2							52	49	90.930	8.141,394	114.186,084	14,025	13,559
3	0	99.484	86.554,381	1.803.749,027	20,839	20,373	53	50	90.179	7.708,035	106.044,690	13,758	13,292
4	1	99.088	82.300,726	1.717.194,646	20,865	20,399	54	51	89.386	7.293,778	98.336,655	13,482	13,016
5	2	99.039	78.530,041	1.634.893,920	20,819	20,353	55	52	88.533	6.896,548	91.042,877	13,201	12,735
6	3	99.006	74.943,926	1.556.363,880	20,767	20,301	56	53	87.604	6.514,779	84.146,329	12,916	12,450
7	4	98.977	71.524,896	1.481.419,954	20,712	20,246	57	54	86.644	6.151,169	77.631,551	12,621	12,155
8	5	98.952	68.264,275	1.409.895,057	20,653	20,187	58	55	85.595	5.801,178	71.480,381	12,322	11,856
9	6	98.928	65.152,492	1.341.630,782	20,592	20,126	59	56	84.459	5.464,567	65.679,203	12,019	11,553
10	7	98.909	62.186,532	1.276.478,290	20,527	20,061	60	57	83.235	5.141,212	60.214,636	11,712	11,246
11	8	98.891	59.355,869	1.214.291,759	20,458	19,992	61	58	81.931	4.831,163	55.073,424	11,400	10,934
12	9	98.868	56.650,689	1.154.935,890	20,387	19,921	62	59	80.557	4.534,749	50.242,261	11,079	10,613
13	10	98.848	54.071,247	1.098.285,200	20,312	19,846	63	60	79.068	4.249,092	45.707,512	10,757	10,291
14	11	98.827	51.608,296	1.044.213,953	20,233	19,767	64	61	77.496	3.975,788	41.458,420	10,428	9,962
15	12	98.800	49.254,354	992.605,657	20,153	19,687	65	62	75.844	3.714,581	37.482,632	10,091	9,625
16	13	98.768	47.005,779	943.351,304	20,069	19,603	66	63	74.047	3.462,111	33.768,051	9,754	9,288
17	14	98.720	44.852,718	896.345,525	19,984	19,518	67	64	72.136	3.219,825	30.305,940	9,412	8,946
18	15	98.659	42.792,134	851.492,807	19,898	19,432	68	65	70.075	2.985,980	27.086,116	9,071	8,605
19	16	98.567	40.813,400	808.700,673	19,815	19,349	69	66	67.859	2.760,459	24.100,136	8,730	8,264
20	17	98.466	38.923,047	767.887,273	19,728	19,262	70	67	65.513	2.544,168	21.339,676	8,388	7,922
21	18	98.370	37.121,621	728.964,226	19,637	19,171	71	68	62.998	2.335,550	18.795,509	8,048	7,582
22	19	98.264	35.400,331	691.842,605	19,543	19,077	72	69	60.316	2.134,731	16.459,959	7,711	7,245
23	20	98.163	33.760,224	656.442,274	19,444	18,978	73	70	57.450	1.941,099	14.325,228	7,380	6,914
24	21	98.059	32.195,270	622.682,050	19,341	18,875	74	71	54.437	1.755,890	12.384,129	7,053	6,587
25	22	97.964	30.705,526	590.486,780	19,231	18,765	75	72	51.281	1.579,077	10.628,240	6,731	6,265
26	23	97.866	29.283,779	559.781,254	19,116	18,650	76	73	48.028	1.411,852	9.049,163	6,409	5,943
27	24	97.771	27.928,593	530.497,475	18,995	18,529	77	74	44.703	1.254,504	7.637,311	6,088	5,622
28	25	97.674	26.635,836	502.568,881	18,868	18,402	78	75	41.294	1.106,296	6.382,807	5,770	5,304
29	26	97.578	25.403,063	475.933,045	18,735	18,269	79	76	37.782	966,299	5.276,511	5,461	4,995
30	27	97.482	24.227,292	450.529,983	18,596	18,130	80	77	34.245	836,124	4.310,212	5,155	4,689
31	28	97.383	23.105,048	426.302,690	18,451	17,985	81	78	30.668	714,850	3.474,087	4,860	4,394
32	29	97.277	22.033,365	403.197,643	18,299	17,833	82	79	27.107	603,187	2.759,238	4,574	4,108
33	30	97.169	21.010,854	381.164,278	18,141	17,675	83	80	23.529	499,836	2.156,051	4,314	3,848
34	31	97.052	20.033,938	360.153,424	17,977	17,511	84	81	20.102	407,672	1.656,215	4,063	3,597
35	32	96.924	19.100,386	340.119,486	17,807	17,341	85	82	16.889	326,970	1.248,543	3,819	3,353
36	33	96.789	18.208,700	321.019,100	17,630	17,164	86	83	13.962	258,042	921,573	3,571	3,105
37	34	96.641	17.356,446	302.810,400	17,447	16,981	87	84	11.244	198,395	663,531	3,344	2,878
38	35	96.479	16.541,623	285.453,954	17,257	16,791	88	85	8.788	148,022	465,135	3,142	2,676
39	36	96.296	15.761,692	268.912,331	17,061	16,595	89	86	6.697	107,684	317,114	2,945	2,479
40	37	96.094	15.015,274	253.150,639	16,860	16,394	90	87	4.939	75,817	209,430	2,762	2,296
41	38	95.869	14.300,929	238.135,365	16,652	16,186	91	88	3.511	51,460	133,612	2,596	2,130
42	39	95.620	13.616,971	223.834,436	16,438	15,972	92	89	2.401	33,590	82,152	2,446	1,980
43	40	95.333	12.960,444	210.217,464	16,220	15,754	93	90	1.575	21,034	48,562	2,309	1,843
44	41	95.014	12.331,373	197.257,020	15,996	15,530	94	91	991	12,638	27,528	2,178	1,712
45	42	94.666	11.729,005	184.925,648	15,767	15,301	95	92	591	7,197	14,890	2,069	1,603
46	43	94.268	11.150,132	173.196,643	15,533	15,067	96	93	336	3,906	7,693	1,970	1,504
47	44	93.826	10.594,617	162.046,510	15,295	14,829	97	94	182	2,015	3,787	1,879	1,413
48	45	93.345	10.062,259	151.451,893	15,051	14,585	98	95	93	0,986	1,772	1,797	1,331
49	46	92.816	9.551,586	141.389,634	14,803	14,337	99	96	45	0,456	0,786	1,722	1,256
							100	97	21	0,199	0,330	1,655	1,189

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 4 Jahre

Zinsfuß 4,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	46	92.399	9.077,532	132.715,636	14,620	14,154
1							51	47	91.776	8.607,473	123.638,103	14,364	13,898
2							52	48	91.123	8.158,690	115.030,630	14,099	13,633
3							53	49	90.397	7.726,631	106.871,940	13,832	13,366
4	0	99.465	82.614,407	1.718.774,149	20,805	20,339	54	50	89.613	7.312,253	99.145,310	13,559	13,093
5	1	99.074	78.558,176	1.636.159,742	20,827	20,361	55	51	88.779	6.915,755	91.833,056	13,279	12,813
6	2	99.025	74.958,746	1.557.601,566	20,779	20,313	56	52	87.870	6.534,534	84.917,302	12,995	12,529
7	3	98.994	71.537,175	1.482.642,820	20,725	20,259	57	53	86.918	6.170,653	78.382,768	12,703	12,236
8	4	98.965	68.273,093	1.411.105,644	20,669	20,203	58	54	85.894	5.821,427	72.212,114	12,405	11,939
9	5	98.940	65.161,010	1.342.832,552	20,608	20,142	59	55	84.780	5.485,339	66.390,688	12,103	11,637
10	6	98.918	62.192,262	1.277.671,542	20,544	20,078	60	56	83.571	5.161,936	60.905,348	11,799	11,333
11	7	98.900	59.361,039	1.215.479,279	20,476	20,010	61	57	82.298	4.852,822	55.743,412	11,487	11,021
12	8	98.877	56.656,128	1.156.118,240	20,406	19,940	62	58	80.947	4.556,692	50.890,591	11,168	10,702
13	9	98.855	54.074,741	1.099.462,112	20,332	19,866	63	59	79.472	4.270,804	46.333,898	10,849	10,383
14	10	98.835	51.612,636	1.045.387,371	20,254	19,788	64	60	77.925	3.997,793	42.063,095	10,522	10,056
15	11	98.809	49.258,973	993.774,735	20,174	19,708	65	61	76.273	3.735,602	38.065,302	10,190	9,724
16	12	98.776	47.009,771	944.515,762	20,092	19,626	66	62	74.516	3.484,035	34.329,699	9,853	9,387
17	13	98.730	44.857,064	897.505,991	20,008	19,542	67	63	72.630	3.241,875	30.845,664	9,515	9,049
18	14	98.670	42.797,121	852.648,927	19,923	19,457	68	64	70.591	3.007,977	27.603,789	9,177	8,711
19	15	98.584	40.820,693	809.851,806	19,839	19,373	69	65	68.418	2.783,190	24.595,812	8,837	8,371
20	16	98.487	38.931,292	769.031,113	19,754	19,288	70	66	66.112	2.567,420	21.812,621	8,496	8,030
21	17	98.391	37.129,790	730.099,821	19,663	19,197	71	67	63.645	2.359,535	19.245,202	8,156	7,690
22	18	98.293	35.410,515	692.970,031	19,570	19,104	72	68	61.014	2.159,429	16.885,667	7,820	7,353
23	19	98.190	33.769,585	657.559,516	19,472	19,006	73	69	58.193	1.966,184	14.726,238	7,490	7,024
24	20	98.090	32.205,442	623.789,930	19,369	18,903	74	70	55.222	1.781,207	12.760,054	7,164	6,698
25	21	97.988	30.713,040	591.584,488	19,262	18,796	75	71	52.126	1.605,100	10.978,847	6,840	6,374
26	22	97.893	29.291,710	560.871,448	19,148	18,682	76	72	48.910	1.437,774	9.373,748	6,520	6,054
27	23	97.796	27.935,882	531.579,738	19,029	18,563	77	73	45.632	1.280,592	7.935,974	6,197	5,731
28	24	97.701	26.643,074	503.643,856	18,903	18,437	78	74	42.256	1.132,064	6.655,382	5,879	5,413
29	25	97.602	25.409,315	477.000,782	18,773	18,307	79	75	38.787	992,020	5.523,318	5,568	5,102
30	26	97.510	24.234,077	451.591,467	18,635	18,169	80	76	35.266	861,050	4.531,298	5,263	4,797
31	27	97.411	23.111,783	427.357,390	18,491	18,025	81	77	31.700	738,888	3.670,248	4,967	4,501
32	28	97.306	22.039,907	404.245,607	18,342	17,876	82	78	28.150	626,403	2.931,360	4,680	4,214
33	29	97.197	21.017,006	382.205,700	18,186	17,720	83	79	24.563	521,785	2.304,957	4,417	3,951
34	30	97.084	20.040,500	361.188,694	18,023	17,557	84	80	21.132	428,549	1.783,172	4,161	3,695
35	31	96.959	19.107,211	341.148,194	17,854	17,388	85	81	17.886	346,272	1.354,624	3,912	3,446
36	32	96.823	18.215,177	322.040,983	17,680	17,214	86	82	14.926	275,870	1.008,351	3,655	3,189
37	33	96.679	17.363,384	303.825,807	17,498	17,032	87	83	12.112	213,709	732,481	3,427	2,961
38	34	96.524	16.549,382	286.462,422	17,310	16,844	88	84	9.556	160,956	518,772	3,223	2,757
39	35	96.346	15.769,765	269.913,041	17,116	16,650	89	85	7.333	117,923	357,815	3,034	2,568
40	36	96.148	15.023,770	254.143,276	16,916	16,450	90	86	5.493	84,318	239,893	2,845	2,379
41	37	95.928	14.309,704	239.119,506	16,710	16,244	91	87	3.981	58,337	155,575	2,667	2,201
42	38	95.687	13.626,503	224.809,802	16,498	16,032	92	88	2.765	38,677	97,238	2,514	2,048
43	39	95.409	12.970,824	211.183,298	16,281	15,815	93	89	1.849	24,694	58,561	2,371	1,905
44	40	95.097	12.342,110	198.212,474	16,060	15,594	94	90	1.185	15,107	33,867	2,242	1,776
45	41	94.759	11.740,610	185.870,364	15,831	15,365	95	91	728	8,857	18,759	2,118	1,652
46	42	94.374	11.162,687	174.129,754	15,599	15,133	96	92	423	4,916	9,903	2,014	1,548
47	43	93.948	10.608,387	162.967,067	15,362	14,896	97	93	234	2,597	4,987	1,920	1,454
48	44	93.475	10.076,285	152.358,680	15,121	14,655	98	94	123	1,303	2,390	1,835	1,369
49	45	92.963	9.566,759	142.282,395	14,873	14,407	99	95	61	0,619	1,087	1,757	1,291
							100	96	29	0,278	0,468	1,686	1,220

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 5 Jahre

Zinsfuß 4,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	45	92.546	9.091,952	133.524,693	14,686	14,220
1							51	46	91.942	8.622,960	124.432,741	14,430	13,964
2							52	47	91.301	8.174,587	115.809,781	14,167	13,701
3							53	48	90.589	7.743,046	107.635,194	13,901	13,435
4							54	49	89.829	7.329,894	99.892,149	13,628	13,162
5	0	99.452	78.857,593	1.637.623,926	20,767	20,301	55	50	89.004	6.933,272	92.562,254	13,350	12,884
6	1	99.061	74.985,602	1.558.766,333	20,788	20,322	56	51	88.115	6.552,733	85.628,982	13,068	12,602
7	2	99.014	71.551,322	1.483.780,732	20,737	20,271	57	52	87.182	6.189,365	79.076,249	12,776	12,310
8	3	98.982	68.284,814	1.412.229,409	20,681	20,215	58	53	86.166	5.839,866	72.886,884	12,481	12,015
9	4	98.953	65.169,427	1.343.944,596	20,622	20,156	59	54	85.076	5.504,485	67.047,018	12,180	11,714
10	5	98.931	62.200,393	1.278.775,169	20,559	20,093	60	55	83.888	5.181,558	61.542,533	11,877	11,411
11	6	98.909	59.366,509	1.216.574,776	20,493	20,027	61	56	82.630	4.872,383	56.360,975	11,567	11,101
12	7	98.886	56.661,063	1.157.208,266	20,423	19,957	62	57	81.310	4.577,120	51.488,592	11,249	10,783
13	8	98.864	54.079,932	1.100.547,204	20,350	19,884	63	58	79.856	4.291,470	46.911,472	10,931	10,465
14	9	98.842	51.615,971	1.046.467,271	20,274	19,808	64	59	78.323	4.018,221	42.620,002	10,607	10,141
15	10	98.817	49.263,116	994.851,300	20,195	19,729	65	60	76.695	3.756,278	38.601,781	10,277	9,811
16	11	98.786	47.014,180	945.588,184	20,113	19,647	66	61	74.938	3.503,752	34.845,503	9,945	9,479
17	12	98.738	44.860,874	898.574,004	20,030	19,564	67	62	73.090	3.262,405	31.341,751	9,607	9,141
18	13	98.680	42.801,268	853.713,130	19,946	19,480	68	63	71.074	3.028,577	28.079,346	9,271	8,805
19	14	98.596	40.825,450	810.911,862	19,863	19,397	69	64	68.922	2.803,693	25.050,769	8,935	8,469
20	15	98.505	38.938,249	770.086,412	19,777	19,311	70	65	66.656	2.588,561	22.247,076	8,594	8,128
21	16	98.412	37.137,655	731.148,163	19,688	19,222	71	66	64.226	2.381,099	19.658,514	8,256	7,790
22	17	98.314	35.418,308	694.010,508	19,595	19,129	72	67	61.641	2.181,605	17.277,415	7,920	7,454
23	18	98.219	33.779,300	658.592,200	19,497	19,031	73	68	58.866	1.988,932	15.095,810	7,590	7,124
24	19	98.117	32.214,372	624.812,900	19,395	18,929	74	69	55.936	1.804,225	13.106,877	7,265	6,799
25	20	98.019	30.722,744	592.598,528	19,289	18,823	75	70	52.878	1.628,243	11.302,652	6,942	6,476
26	21	97.916	29.298,878	561.875,783	19,177	18,711	76	71	49.716	1.461,467	9.674,409	6,620	6,154
27	22	97.823	27.943,447	532.576,905	19,059	18,593	77	72	46.470	1.304,104	8.212,942	6,298	5,832
28	23	97.726	26.650,027	504.633,458	18,936	18,470	78	73	43.134	1.155,606	6.908,838	5,979	5,513
29	24	97.629	25.416,220	477.983,430	18,806	18,340	79	74	39.691	1.015,126	5.753,232	5,668	5,201
30	25	97.534	24.240,042	452.567,210	18,670	18,204	80	75	36.204	883,969	4.738,106	5,360	4,894
31	26	97.438	23.118,255	428.327,169	18,528	18,062	81	76	32.645	760,915	3.854,136	5,065	4,599
32	27	97.334	22.046,332	405.208,913	18,380	17,914	82	77	29.097	647,467	3.093,222	4,777	4,311
33	28	97.226	21.023,246	383.162,582	18,226	17,760	83	78	25.508	541,868	2.445,755	4,514	4,048
34	29	97.112	20.046,367	362.139,336	18,065	17,599	84	79	22.060	447,368	1.903,887	4,256	3,790
35	30	96.991	19.113,469	342.092,968	17,898	17,432	85	80	18.802	364,005	1.456,519	4,001	3,535
36	31	96.858	18.221,686	322.979,499	17,725	17,259	86	81	15.807	292,156	1.092,515	3,739	3,273
37	32	96.714	17.369,560	304.757,813	17,546	17,080	87	82	12.949	228,474	800,359	3,503	3,037
38	33	96.563	16.555,997	287.388,253	17,359	16,893	88	83	10.293	173,380	571,884	3,298	2,832
39	34	96.391	15.777,162	270.832,256	17,166	16,700	89	84	7.974	128,227	398,504	3,108	2,642
40	35	96.197	15.031,465	255.055,094	16,968	16,502	90	85	6.015	92,335	270,277	2,927	2,461
41	36	95.982	14.317,800	240.023,629	16,764	16,298	91	86	4.427	64,877	177,942	2,743	2,277
42	37	95.746	13.634,864	225.705,829	16,554	16,088	92	87	3.134	43,846	113,065	2,579	2,113
43	38	95.476	12.979,904	212.070,964	16,338	15,872	93	88	2.129	28,434	69,219	2,434	1,968
44	39	95.173	12.351,995	199.091,060	16,118	15,652	94	89	1.391	17,736	40,785	2,300	1,834
45	40	94.842	11.750,833	186.739,066	15,892	15,426	95	90	870	10,587	23,049	2,177	1,711
46	41	94.468	11.173,732	174.988,232	15,661	15,195	96	91	521	6,049	12,461	2,060	1,594
47	42	94.054	10.620,332	163.814,500	15,425	14,959	97	92	295	3,268	6,412	1,962	1,496
48	43	93.596	10.089,381	153.194,169	15,184	14,718	98	93	159	1,679	3,144	1,873	1,407
49	44	93.093	9.580,094	143.104,787	14,938	14,472	99	94	81	0,818	1,465	1,791	1,325
							100	95	39	0,377	0,647	1,718	1,252

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 6 Jahre

Zinsfuß 4,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	44	92.675	9.104,626	134.269,359	14,747	14,281
1							51	45	92.088	8.636,657	125.164,733	14,492	14,026
2							52	46	91.465	8.189,294	116.528,075	14,229	13,763
3							53	47	90.766	7.758,132	108.338,781	13,965	13,499
4							54	48	90.020	7.345,466	100.580,648	13,693	13,227
5							55	49	89.219	6.949,999	93.235,182	13,415	12,949
6	0	99.438	75.271,403	1.560.123,256	20,727	20,261	56	50	88.338	6.569,331	86.285,183	13,135	12,669
7	1	99.049	71.576,957	1.484.851,853	20,745	20,279	57	51	87.425	6.206,602	79.715,852	12,844	12,378
8	2	99.002	68.298,317	1.413.274,897	20,693	20,227	58	52	86.427	5.857,575	73.509,250	12,549	12,083
9	3	98.970	65.180,615	1.344.976,580	20,635	20,169	59	53	85.345	5.521,921	67.651,675	12,251	11,785
10	4	98.944	62.208,428	1.279.795,965	20,573	20,107	60	54	84.181	5.199,643	62.129,754	11,949	11,483
11	5	98.922	59.374,271	1.217.587,537	20,507	20,041	61	55	82.944	4.890,904	56.930,110	11,640	11,174
12	6	98.895	56.666,284	1.158.213,266	20,439	19,973	62	56	81.637	4.595,570	52.039,206	11,324	10,858
13	7	98.873	54.084,643	1.101.546,982	20,367	19,901	63	57	80.214	4.310,709	47.443,636	11,006	10,540
14	8	98.851	51.620,926	1.047.462,339	20,291	19,825	64	58	78.702	4.037,665	43.132,927	10,683	10,217
15	9	98.824	49.266,299	995.841,413	20,213	19,747	65	59	77.087	3.775,472	39.095,262	10,355	9,889
16	10	98.794	47.018,134	946.575,113	20,132	19,666	66	60	75.352	3.523,144	35.319,791	10,025	9,559
17	11	98.748	44.865,082	899.556,979	20,050	19,584	67	61	73.504	3.280,868	31.796,647	9,692	9,226
18	12	98.688	42.804,903	854.691,898	19,967	19,501	68	62	71.524	3.047,756	28.515,779	9,356	8,890
19	13	98.605	40.829,406	811.886,995	19,885	19,419	69	63	69.394	2.822,894	25.468,023	9,022	8,556
20	14	98.516	38.942,787	771.057,588	19,800	19,334	70	64	67.147	2.607,631	22.645,129	8,684	8,218
21	15	98.430	37.144,292	732.114,802	19,710	19,244	71	65	64.755	2.400,707	20.037,498	8,346	7,880
22	16	98.335	35.425,810	694.970,510	19,618	19,152	72	66	62.204	2.201,544	17.636,791	8,011	7,545
23	17	98.240	33.786,734	659.544,700	19,521	19,055	73	67	59.470	2.009,357	15.435,247	7,682	7,216
24	18	98.146	32.223,640	625.757,966	19,419	18,953	74	68	56.583	1.825,100	13.425,890	7,356	6,890
25	19	98.046	30.731,263	593.534,327	19,314	18,848	75	69	53.561	1.649,285	11.600,790	7,034	6,568
26	20	97.947	29.308,135	562.803,063	19,203	18,737	76	70	50.433	1.482,540	9.951,505	6,712	6,246
27	21	97.846	27.950,286	533.494,928	19,087	18,621	77	71	47.236	1.325,595	8.468,966	6,389	5,923
28	22	97.753	26.657,245	505.544,642	18,965	18,499	78	72	43.926	1.176,823	7.143,371	6,070	5,604
29	23	97.654	25.422,853	478.887,397	18,837	18,371	79	73	40.516	1.036,236	5.966,547	5,758	5,292
30	24	97.560	24.246,629	453.464,544	18,702	18,236	80	74	37.048	904,559	4.930,311	5,451	4,985
31	25	97.462	23.123,945	429.217,915	18,562	18,096	81	75	33.514	781,169	4.025,752	5,154	4,687
32	26	97.361	22.052,505	406.093,970	18,415	17,949	82	76	29.964	666,769	3.244,584	4,866	4,400
33	27	97.254	21.029,375	384.041,465	18,262	17,796	83	77	26.366	560,089	2.577,815	4,603	4,137
34	28	97.141	20.052,319	363.012,090	18,103	17,637	84	78	22.909	464,586	2.017,726	4,343	3,877
35	29	97.019	19.119,066	342.959,771	17,938	17,472	85	79	19.627	379,989	1.553,140	4,087	3,621
36	30	96.889	18.227,654	323.840,705	17,766	17,300	86	80	16.617	307,117	1.173,151	3,820	3,354
37	31	96.748	17.375,767	305.613,052	17,588	17,122	87	81	13.714	241,962	866,034	3,579	3,113
38	32	96.597	16.561,886	288.237,284	17,404	16,938	88	82	11.004	185,359	624,071	3,367	2,901
39	33	96.429	15.783,469	271.675,398	17,213	16,747	89	83	8.590	138,125	438,712	3,176	2,710
40	34	96.242	15.038,516	255.891,930	17,016	16,550	90	84	6.540	100,403	300,587	2,994	2,528
41	35	96.032	14.325,134	240.853,414	16,813	16,347	91	85	4.848	71,046	200,184	2,818	2,352
42	36	95.800	13.642,579	226.528,280	16,605	16,138	92	86	3.485	48,762	129,138	2,648	2,182
43	37	95.535	12.987,868	212.885,701	16,391	15,925	93	87	2.413	32,234	80,377	2,494	2,028
44	38	95.240	12.360,641	199.897,833	16,172	15,706	94	88	1.602	20,422	48,143	2,357	1,891
45	39	94.918	11.760,245	187.537,192	15,947	15,481	95	89	1.021	12,430	27,721	2,230	1,764
46	40	94.550	11.183,461	175.776,947	15,718	15,252	96	90	622	7,231	15,291	2,115	1,649
47	41	94.147	10.630,840	164.593,486	15,483	15,017	97	91	363	4,022	8,060	2,004	1,538
48	42	93.702	10.100,741	153.962,646	15,243	14,777	98	92	199	2,113	4,038	1,911	1,445
49	43	93.214	9.592,546	143.861,904	14,997	14,531	99	93	104	1,054	1,925	1,827	1,361
							100	94	52	0,498	0,871	1,750	1,284

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 7 Jahre

Zinsfuß 4,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	43	92.796	9.116,459	134.954,455	14,803	14,337
1							51	44	92.216	8.648,697	125.837,996	14,550	14,084
2							52	45	91.611	8.202,303	117.189,299	14,287	13,821
3							53	46	90.929	7.772,091	108.986,996	14,023	13,557
4							54	47	90.195	7.359,778	101.214,905	13,752	13,286
5							55	48	89.408	6.964,764	93.855,127	13,476	13,010
6							56	49	88.551	6.585,180	86.890,363	13,195	12,729
7	0	99.427	71.849,766	1.486.109,170	20,684	20,218	57	50	87.646	6.222,324	80.305,183	12,906	12,440
8	1	99.037	68.322,786	1.414.259,405	20,700	20,234	58	51	86.668	5.873,888	74.082,859	12,612	12,146
9	2	98.990	65.193,505	1.345.936,618	20,645	20,179	59	52	85.604	5.538,665	68.208,971	12,315	11,849
10	3	98.961	62.219,108	1.280.743,114	20,584	20,118	60	53	84.448	5.216,114	62.670,306	12,015	11,549
11	4	98.935	59.381,940	1.218.524,006	20,520	20,054	61	54	83.234	4.907,975	57.454,192	11,706	11,240
12	5	98.908	56.673,693	1.159.142,066	20,453	19,987	62	55	81.948	4.613,039	52.546,217	11,391	10,925
13	6	98.882	54.089,627	1.102.468,373	20,382	19,916	63	56	80.538	4.328,085	47.933,178	11,075	10,609
14	7	98.860	51.625,422	1.048.378,746	20,307	19,841	64	57	79.055	4.055,766	43.605,093	10,751	10,285
15	8	98.833	49.271,029	996.753,324	20,230	19,764	65	58	77.460	3.793,741	39.549,327	10,425	9,959
16	9	98.800	47.021,172	947.482,295	20,150	19,684	66	59	75.737	3.541,147	35.755,586	10,097	9,631
17	10	98.756	44.868,855	900.461,123	20,069	19,603	67	60	73.910	3.299,027	32.214,439	9,765	9,299
18	11	98.698	42.808,918	855.592,268	19,986	19,520	68	61	71.929	3.065,004	28.915,413	9,434	8,968
19	12	98.614	40.832,874	812.783,350	19,905	19,439	69	62	69.834	2.840,771	25.850,409	9,100	8,634
20	13	98.526	38.946,560	771.950,476	19,821	19,355	70	63	67.607	2.625,489	23.009,638	8,764	8,298
21	14	98.441	37.148,620	733.003,916	19,732	19,266	71	64	65.232	2.418,392	20.384,149	8,429	7,963
22	15	98.353	35.432,141	695.855,295	19,639	19,173	72	65	62.716	2.219,673	17.965,757	8,094	7,628
23	16	98.261	33.793,890	660.423,155	19,543	19,077	73	66	60.014	2.027,721	15.746,085	7,765	7,299
24	17	98.167	32.230,731	626.629,264	19,442	18,976	74	67	57.164	1.843,843	13.718,363	7,440	6,974
25	18	98.075	30.740,104	594.398,533	19,336	18,870	75	68	54.181	1.668,367	11.874,520	7,117	6,651
26	19	97.975	29.316,262	563.658,429	19,227	18,761	76	69	51.085	1.501,699	10.206,154	6,796	6,330
27	20	97.877	27.959,117	534.342,167	19,112	18,646	77	70	47.917	1.344,708	8.704,455	6,473	6,007
28	21	97.776	26.663,768	506.383,050	18,991	18,525	78	71	44.650	1.196,217	7.359,747	6,153	5,687
29	22	97.681	25.429,738	479.719,282	18,864	18,398	79	72	41.260	1.055,262	6.163,531	5,841	5,375
30	23	97.586	24.252,957	454.289,544	18,731	18,265	80	73	37.818	923,370	5.108,269	5,532	5,066
31	24	97.489	23.130,229	430.036,587	18,592	18,126	81	74	34.294	799,363	4.184,899	5,235	4,769
32	25	97.385	22.057,933	406.906,358	18,447	17,981	82	75	30.762	684,516	3.385,535	4,946	4,480
33	26	97.282	21.035,264	384.848,425	18,295	17,829	83	76	27.152	576,786	2.701,019	4,683	4,217
34	27	97.169	20.058,165	363.813,161	18,138	17,672	84	77	23.679	480,209	2.124,233	4,424	3,958
35	28	97.048	19.124,742	343.754,996	17,974	17,508	85	78	20.383	394,615	1.644,024	4,166	3,700
36	29	96.918	18.232,991	324.630,254	17,805	17,339	86	79	17.347	320,604	1.249,410	3,897	3,431
37	30	96.780	17.381,458	306.397,264	17,628	17,162	87	80	14.416	254,353	928,806	3,652	3,186
38	31	96.631	16.567,804	289.015,805	17,444	16,978	88	81	11.654	196,302	674,453	3,436	2,970
39	32	96.464	15.789,083	272.448,001	17,255	16,789	89	82	9.183	147,668	478,151	3,238	2,772
40	33	96.281	15.044,527	256.658,918	17,060	16,594	90	83	7.045	108,153	330,484	3,056	2,590
41	34	96.077	14.331,853	241.614,391	16,859	16,393	91	84	5.272	77,254	222,331	2,878	2,412
42	35	95.849	13.649,567	227.282,538	16,651	16,185	92	85	3.817	53,398	145,076	2,717	2,251
43	36	95.589	12.995,217	213.632,972	16,439	15,973	93	86	2.684	35,848	91,679	2,557	2,091
44	37	95.298	12.368,226	200.637,755	16,222	15,756	94	87	1.816	23,151	55,831	2,412	1,946
45	38	94.984	11.768,477	188.269,529	15,998	15,532	95	88	1.176	14,312	32,680	2,283	1,817
46	39	94.626	11.192,418	176.501,052	15,770	15,304	96	89	731	8,490	18,367	2,163	1,697
47	40	94.229	10.640,097	165.308,634	15,536	15,070	97	90	433	4,808	9,878	2,054	1,588
48	41	93.794	10.110,736	154.668,538	15,297	14,831	98	91	245	2,600	5,070	1,950	1,484
49	42	93.319	9.603,346	144.557,802	15,053	14,587	99	92	131	1,326	2,470	1,862	1,396
							100	93	66	0,642	1,144	1,783	1,317

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 8 Jahre

Zinsfuß 4,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	42	92.900	9.126,724	135.583,790	14,856	14,390
1							51	43	92.336	8.659,937	126.457,066	14,603	14,137
2							52	44	91.738	8.213,737	117.797,129	14,341	13,875
3							53	45	91.073	7.784,437	109.583,392	14,077	13,611
4							54	46	90.357	7.373,020	101.798,955	13,807	13,341
5							55	47	89.583	6.978,334	94.425,934	13,531	13,065
6							56	48	88.739	6.599,169	87.447,600	13,251	12,785
7							57	49	87.858	6.237,335	80.848,431	12,962	12,496
8	0	99.415	68.583,192	1.415.424,347	20,638	20,172	58	50	86.888	5.888,767	74.611,096	12,670	12,204
9	1	99.025	65.216,862	1.346.841,154	20,652	20,186	59	51	85.842	5.554,090	68.722,329	12,373	11,907
10	2	98.981	62.231,412	1.281.624,293	20,594	20,128	60	52	84.704	5.231,931	63.168,238	12,074	11,608
11	3	98.952	59.392,135	1.219.392,881	20,531	20,065	61	53	83.497	4.923,522	57.936,307	11,767	11,301
12	4	98.920	56.681,013	1.160.000,746	20,465	19,999	62	54	82.234	4.629,140	53.012,786	11,452	10,986
13	5	98.895	54.096,698	1.103.319,733	20,395	19,929	63	55	80.844	4.344,537	48.383,646	11,137	10,671
14	6	98.869	51.630,180	1.049.223,035	20,322	19,856	64	56	79.374	4.072,115	44.039,109	10,815	10,349
15	7	98.842	49.275,320	997.592,855	20,245	19,779	65	57	77.808	3.810,748	39.966,994	10,488	10,022
16	8	98.810	47.025,686	948.317,535	20,166	19,700	66	58	76.104	3.558,282	36.156,246	10,161	9,695
17	9	98.762	44.871,754	901.291,848	20,086	19,620	67	59	74.288	3.315,884	32.597,963	9,831	9,365
18	10	98.706	42.812,518	856.420,094	20,004	19,538	68	60	72.327	3.081,968	29.282,080	9,501	9,035
19	11	98.623	40.836,704	813.607,576	19,923	19,457	69	61	70.229	2.856,847	26.200,112	9,171	8,705
20	12	98.534	38.949,868	772.770,872	19,840	19,374	70	62	68.035	2.642,115	23.343,265	8,835	8,369
21	13	98.451	37.152,220	733.821,004	19,752	19,286	71	63	65.679	2.434,954	20.701,149	8,502	8,036
22	14	98.364	35.436,270	696.668,784	19,660	19,194	72	64	63.178	2.236,024	18.266,195	8,169	7,703
23	15	98.279	33.799,930	661.232,514	19,563	19,097	73	65	60.508	2.044,419	16.030,171	7,841	7,375
24	16	98.188	32.237,558	627.432,585	19,463	18,997	74	66	57.686	1.860,694	13.985,752	7,516	7,050
25	17	98.096	30.746,869	595.195,027	19,358	18,892	75	67	54.737	1.685,500	12.125,057	7,194	6,728
26	18	98.003	29.324,696	564.448,158	19,248	18,782	76	68	51.676	1.519,073	10.439,558	6,872	6,406
27	19	97.905	27.966,870	535.123,462	19,134	18,668	77	69	48.536	1.362,086	8.920,485	6,549	6,083
28	20	97.807	26.672,193	507.156,593	19,014	18,548	78	70	45.294	1.213,464	7.558,399	6,229	5,763
29	21	97.705	25.435,961	480.484,400	18,890	18,424	79	71	41.940	1.072,652	6.344,935	5,915	5,449
30	22	97.612	24.259,525	455.048,438	18,758	18,292	80	72	38.512	940,323	5.272,283	5,607	5,141
31	23	97.514	23.136,266	430.788,914	18,620	18,154	81	73	35.007	815,987	4.331,959	5,309	4,843
32	24	97.412	22.063,927	407.652,648	18,476	18,010	82	74	31.478	700,460	3.515,972	5,020	4,554
33	25	97.306	21.040,441	385.588,720	18,326	17,860	83	75	27.875	592,139	2.815,512	4,755	4,289
34	26	97.196	20.063,782	364.548,279	18,169	17,703	84	76	24.385	494,524	2.223,374	4,496	4,030
35	27	97.076	19.130,317	344.484,497	18,007	17,541	85	77	21.068	407,884	1.728,849	4,239	3,773
36	28	96.946	18.238,404	325.354,180	17,839	17,373	86	78	18.014	332,943	1.320,965	3,968	3,502
37	29	96.808	17.386,547	307.115,776	17,664	17,198	87	79	15.049	265,523	988,022	3,721	3,255
38	30	96.663	16.573,230	289.729,229	17,482	17,016	88	80	12.251	206,354	722,500	3,501	3,035
39	31	96.498	15.794,725	273.155,998	17,294	16,828	89	81	9.725	156,385	516,146	3,300	2,834
40	32	96.315	15.049,878	257.361,273	17,101	16,635	90	82	7.532	115,625	359,760	3,111	2,645
41	33	96.115	14.337,582	242.311,395	16,900	16,434	91	83	5.678	83,217	244,135	2,934	2,468
42	34	95.894	13.655,969	227.973,813	16,694	16,228	92	84	4.150	58,064	160,918	2,771	2,305
43	35	95.638	13.001,873	214.317,844	16,484	16,018	93	85	2.939	39,256	102,854	2,620	2,154
44	36	95.352	12.375,223	201.315,971	16,268	15,802	94	86	2.019	25,747	63,597	2,470	2,004
45	37	95.043	11.775,698	188.940,747	16,045	15,579	95	87	1.333	16,225	37,851	2,333	1,867
46	38	94.692	11.200,253	177.165,049	15,818	15,352	96	88	841	9,776	21,626	2,212	1,746
47	39	94.305	10.648,619	165.964,797	15,586	15,120	97	89	509	5,645	11,850	2,099	1,633
48	40	93.876	10.119,540	155.316,178	15,348	14,882	98	90	293	3,108	6,206	1,997	1,531
49	41	93.411	9.612,849	145.196,639	15,104	14,638	99	91	161	1,632	3,098	1,898	1,432
							100	92	84	0,807	1,466	1,816	1,350

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 9 Jahre

Zinsfuß 4,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	41	92.992	9.135,755	136.161,245	14,904	14,438
1							51	42	92.440	8.669,688	127.025,491	14,652	14,186
2							52	43	91.857	8.224,412	118.355,803	14,391	13,925
3							53	44	91.200	7.795,288	110.131,391	14,128	13,662
4							54	45	90.501	7.384,733	102.336,102	13,858	13,392
5							55	46	89.744	6.990,890	94.951,370	13,582	13,116
6							56	47	88.912	6.612,027	87.960,480	13,303	12,837
7							57	48	88.044	6.250,586	81.348,452	13,015	12,549
8							58	49	87.097	5.902,974	75.097,866	12,722	12,256
9	0	99.403	65.465,430	1.347.920,535	20,590	20,124	59	50	86.060	5.568,159	69.194,893	12,427	11,961
10	1	99.016	62.253,707	1.282.455,105	20,600	20,134	60	51	84.940	5.246,502	63.626,734	12,127	11,661
11	2	98.971	59.403,880	1.220.201,398	20,541	20,075	61	52	83.750	4.938,451	58.380,232	11,822	11,356
12	3	98.937	56.690,744	1.160.797,518	20,476	20,010	62	53	82.494	4.643,803	53.441,781	11,508	11,042
13	4	98.908	54.103,686	1.104.106,774	20,407	19,941	63	54	81.126	4.359,701	48.797,977	11,193	10,727
14	5	98.882	51.636,930	1.050.003,088	20,334	19,868	64	55	79.676	4.087,594	44.438,276	10,872	10,405
15	6	98.851	49.279,861	998.366,158	20,259	19,793	65	56	78.121	3.826,109	40.350,682	10,546	10,080
16	7	98.818	47.029,782	949.086,297	20,181	19,715	66	57	76.445	3.574,234	36.524,573	10,219	9,753
17	8	98.772	44.876,062	902.056,515	20,101	19,635	67	58	74.648	3.331,929	32.950,339	9,889	9,423
18	9	98.712	42.815,285	857.180,453	20,020	19,554	68	59	72.697	3.097,716	29.618,410	9,561	9,095
19	10	98.631	40.840,138	814.365,168	19,940	19,474	69	60	70.617	2.872,659	26.520,694	9,232	8,766
20	11	98.543	38.953,521	773.525,030	19,858	19,392	70	61	68.420	2.657,068	23.648,035	8,900	8,434
21	12	98.459	37.155,376	734.571,509	19,770	19,304	71	62	66.095	2.450,374	20.990,967	8,566	8,100
22	13	98.374	35.439,704	697.416,133	19,679	19,213	72	63	63.611	2.251,337	18.540,593	8,235	7,769
23	14	98.290	33.803,868	661.976,430	19,583	19,117	73	64	60.954	2.059,480	16.289,255	7,909	7,443
24	15	98.206	32.243,319	628.172,561	19,482	19,016	74	65	58.161	1.876,016	14.229,776	7,585	7,119
25	16	98.117	30.753,382	595.929,242	19,378	18,912	75	66	55.237	1.700,904	12.353,759	7,263	6,797
26	17	98.024	29.331,149	565.175,861	19,269	18,803	76	67	52.206	1.534,673	10.652,855	6,941	6,475
27	18	97.933	27.974,915	535.844,712	19,154	18,688	77	68	49.098	1.377,845	9.118,182	6,618	6,152
28	19	97.834	26.679,589	507.869,797	19,036	18,570	78	69	45.879	1.229,146	7.740,337	6,297	5,831
29	20	97.735	25.443,998	481.190,208	18,912	18,446	79	70	42.545	1.088,118	6.511,191	5,984	5,518
30	21	97.636	24.265,462	455.746,210	18,782	18,316	80	71	39.147	955,819	5.423,073	5,674	5,208
31	22	97.541	23.142,531	431.480,748	18,644	18,178	81	72	35.650	830,969	4.467,254	5,376	4,910
32	23	97.437	22.069,686	408.338,217	18,502	18,036	82	73	32.133	715,027	3.636,286	5,086	4,620
33	24	97.332	21.046,159	386.268,531	18,353	17,887	83	74	28.524	605,931	2.921,259	4,821	4,355
34	25	97.220	20.068,720	365.222,372	18,199	17,733	84	75	25.034	507,687	2.315,328	4,561	4,095
35	26	97.104	19.135,675	345.153,652	18,037	17,571	85	76	21.696	420,044	1.807,641	4,303	3,837
36	27	96.975	18.243,721	326.017,978	17,870	17,404	86	77	18.620	344,139	1.387,597	4,032	3,566
37	28	96.837	17.391,710	307.774,257	17,697	17,231	87	78	15.628	275,742	1.043,458	3,784	3,318
38	29	96.691	16.578,083	290.382,547	17,516	17,050	88	79	12.789	215,416	767,716	3,564	3,098
39	30	96.530	15.799,898	273.804,464	17,330	16,863	89	80	10.223	164,394	552,300	3,360	2,894
40	31	96.349	15.055,256	258.004,566	17,137	16,671	90	81	7.977	122,451	387,907	3,168	2,702
41	32	96.149	14.342,682	242.949,310	16,939	16,473	91	82	6.071	88,967	265,455	2,984	2,518
42	33	95.932	13.661,428	228.606,628	16,734	16,268	92	83	4.471	62,546	176,489	2,822	2,356
43	34	95.683	13.007,971	214.945,200	16,524	16,058	93	84	3.196	42,687	113,943	2,669	2,203
44	35	95.401	12.381,562	201.937,229	16,310	15,844	94	85	2.211	28,195	71,256	2,527	2,061
45	36	95.096	11.782,360	189.555,667	16,088	15,622	95	86	1.482	18,044	43,062	2,386	1,920
46	37	94.750	11.207,125	177.773,306	15,863	15,397	96	87	954	11,082	25,018	2,258	1,792
47	38	94.371	10.656,073	166.566,181	15,631	15,165	97	88	586	6,499	13,936	2,144	1,678
48	39	93.951	10.127,644	155.910,109	15,395	14,929	98	89	345	3,649	7,436	2,038	1,572
49	40	93.493	9.621,219	145.782,464	15,152	14,686	99	90	193	1,951	3,788	1,941	1,475
							100	91	103	0,994	1,837	1,849	1,383

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 10 Jahre

Zinsfuß 4,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	40	93.073	9.143,709	136.690,576	14,949	14,483
1							51	41	92.531	8.678,266	127.546,866	14,697	14,231
2							52	42	91.961	8.233,673	118.868,600	14,437	13,971
3							53	43	91.319	7.805,420	110.634,928	14,174	13,708
4							54	44	90.627	7.395,026	102.829,508	13,905	13,439
5							55	45	89.886	7.001,995	95.434,481	13,630	13,164
6							56	46	89.072	6.623,924	88.432,486	13,350	12,884
7							57	47	88.216	6.262,765	81.808,562	13,063	12,597
8							58	48	87.282	5.915,514	75.545,797	12,771	12,305
9							59	49	86.267	5.581,592	69.630,283	12,475	12,009
10	0	99.393	62.490,982	1.283.455,319	20,538	20,072	60	50	85.155	5.259,791	64.048,691	12,177	11,711
11	1	99.007	59.425,162	1.220.964,337	20,546	20,080	61	51	83.984	4.952,205	58.788,900	11,871	11,405
12	2	98.957	56.701,955	1.161.539,175	20,485	20,019	62	52	82.744	4.657,885	53.836,695	11,558	11,092
13	3	98.924	54.112,974	1.104.837,220	20,417	19,951	63	53	81.383	4.373,511	49.178,810	11,245	10,779
14	4	98.895	51.643,600	1.050.724,245	20,346	19,880	64	54	79.954	4.101,861	44.805,299	10,923	10,457
15	5	98.864	49.286,304	999.080,645	20,271	19,805	65	55	78.418	3.840,653	40.703,438	10,598	10,132
16	6	98.827	47.034,116	949.794,341	20,194	19,728	66	56	76.753	3.588,642	36.862,785	10,272	9,806
17	7	98.780	44.879,971	902.760,225	20,115	19,649	67	57	74.982	3.346,867	33.274,143	9,942	9,476
18	8	98.722	42.819,395	857.880,255	20,035	19,569	68	58	73.049	3.112,705	29.927,277	9,615	9,149
19	9	98.637	40.842,777	815.060,860	19,956	19,490	69	59	70.978	2.887,338	26.814,571	9,287	8,821
20	10	98.552	38.956,797	774.218,083	19,874	19,408	70	60	68.799	2.671,774	23.927,233	8,956	8,490
21	11	98.468	37.158,860	735.261,285	19,787	19,321	71	61	66.469	2.464,241	21.255,460	8,626	8,160
22	12	98.382	35.442,714	698.102,425	19,697	19,231	72	62	64.014	2.265,595	18.791,218	8,294	7,828
23	13	98.299	33.807,144	662.659,711	19,601	19,135	73	63	61.371	2.073,584	16.525,624	7,970	7,504
24	14	98.217	32.247,077	628.852,567	19,501	19,035	74	64	58.590	1.889,837	14.452,040	7,647	7,181
25	15	98.134	30.758,877	596.605,491	19,396	18,930	75	65	55.692	1.714,910	12.562,203	7,325	6,859
26	16	98.045	29.337,362	565.846,613	19,288	18,822	76	66	52.683	1.548,699	10.847,293	7,004	6,538
27	17	97.954	27.981,071	536.509,252	19,174	18,708	77	67	49.602	1.391,995	9.298,594	6,680	6,214
28	18	97.863	26.687,264	508.528,180	19,055	18,589	78	68	46.410	1.243,367	7.906,599	6,359	5,893
29	19	97.763	25.451,053	481.840,916	18,932	18,466	79	69	43.094	1.102,180	6.663,232	6,046	5,579
30	20	97.667	24.273,129	456.389,863	18,802	18,336	80	70	39.711	969,601	5.561,053	5,735	5,269
31	21	97.565	23.148,195	432.116,735	18,667	18,201	81	71	36.238	844,662	4.591,452	5,436	4,970
32	22	97.464	22.075,662	408.968,539	18,526	18,060	82	72	32.723	728,155	3.746,790	5,146	4,680
33	23	97.357	21.051,651	386.892,877	18,378	17,912	83	73	29.117	618,532	3.018,635	4,880	4,414
34	24	97.247	20.074,174	365.841,226	18,224	17,758	84	74	25.617	519,512	2.400,103	4,620	4,154
35	25	97.127	19.140,384	345.767,052	18,065	17,599	85	75	22.274	431,224	1.880,591	4,361	3,895
36	26	97.002	18.248,830	326.626,668	17,898	17,432	86	76	19.175	354,398	1.449,367	4,090	3,624
37	27	96.865	17.396,780	308.377,838	17,726	17,260	87	77	16.154	285,014	1.094,968	3,842	3,376
38	28	96.720	16.583,005	290.981,058	17,547	17,081	88	78	13.281	223,707	809,954	3,621	3,155
39	29	96.558	15.804,524	274.398,053	17,362	16,896	89	79	10.672	171,613	586,247	3,416	2,950
40	30	96.381	15.060,187	258.593,529	17,171	16,705	90	80	8.385	128,722	414,634	3,221	2,755
41	31	96.184	14.347,807	243.533,342	16,974	16,508	91	81	6.429	94,219	285,913	3,035	2,569
42	32	95.967	13.666,287	229.185,534	16,770	16,304	92	82	4.780	66,867	191,694	2,867	2,401
43	33	95.721	13.013,171	215.519,247	16,562	16,096	93	83	3.443	45,982	124,827	2,715	2,249
44	34	95.446	12.387,370	202.506,076	16,348	15,882	94	84	2.405	30,658	78,845	2,572	2,106
45	35	95.145	11.788,396	190.118,707	16,128	15,662	95	85	1.623	19,760	48,187	2,439	1,973
46	36	94.804	11.213,466	178.330,311	15,903	15,437	96	86	1.061	12,324	28,427	2,307	1,841
47	37	94.428	10.662,611	167.116,845	15,673	15,207	97	87	664	7,368	16,103	2,186	1,720
48	38	94.017	10.134,734	156.454,234	15,437	14,971	98	88	397	4,201	8,735	2,079	1,613
49	39	93.568	9.628,925	146.319,500	15,196	14,730	99	89	227	2,290	4,534	1,979	1,513
							100	90	123	1,188	2,243	1,889	1,423

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 11 Jahre

Zinsfuß 4,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	39	93.148	9.151,033	137.175,686	14,990	14,524
1							51	40	92.612	8.685,823	128.024,654	14,739	14,273
2							52	41	92.052	8.241,819	119.338,831	14,480	14,014
3							53	42	91.422	7.814,208	111.097,011	14,217	13,751
4							54	43	90.745	7.404,638	103.282,803	13,948	13,482
5							55	44	90.012	7.011,755	95.878,165	13,674	13,208
6							56	45	89.213	6.634,446	88.866,410	13,395	12,929
7							57	46	88.374	6.274,033	82.231,964	13,107	12,641
8							58	47	87.452	5.927,040	75.957,931	12,815	12,349
9							59	48	86.451	5.593,450	70.030,890	12,520	12,054
10							60	49	85.360	5.272,481	64.437,440	12,221	11,755
11	0	99.384	59.651,656	1.221.891,352	20,484	20,018	61	50	84.196	4.964,749	59.164,960	11,917	11,451
12	1	98.992	56.722,269	1.162.239,696	20,490	20,024	62	51	82.975	4.670,857	54.200,211	11,604	11,138
13	2	98.944	54.123,675	1.105.517,426	20,426	19,960	63	52	81.630	4.386,773	49.529,354	11,291	10,825
14	3	98.912	51.652,466	1.051.393,751	20,355	19,889	64	53	80.207	4.114,854	45.142,581	10,971	10,505
15	4	98.876	49.292,670	999.741,285	20,282	19,816	65	54	78.692	3.854,059	41.027,727	10,645	10,179
16	5	98.840	47.040,265	950.448,614	20,205	19,739	66	55	77.045	3.602,283	37.173,668	10,319	9,853
17	6	98.790	44.884,106	903.408,349	20,128	19,662	67	56	75.285	3.360,357	33.571,385	9,990	9,524
18	7	98.730	42.823,124	858.524,243	20,048	19,582	68	57	73.376	3.126,660	30.211,028	9,662	9,196
19	8	98.647	40.846,698	815.701,118	19,970	19,504	69	58	71.322	2.901,309	27.084,368	9,335	8,869
20	9	98.558	38.959,315	774.854,420	19,889	19,423	70	59	69.151	2.685,426	24.183,059	9,005	8,539
21	10	98.477	37.161,985	735.895,106	19,802	19,336	71	60	66.837	2.477,880	21.497,633	8,676	8,210
22	11	98.391	35.446,038	698.733,120	19,713	19,247	72	61	64.376	2.278,416	19.019,752	8,348	7,882
23	12	98.308	33.810,016	663.287,082	19,618	19,152	73	62	61.760	2.086,715	16.741,336	8,023	7,557
24	13	98.227	32.250,201	629.477,067	19,519	19,053	74	63	58.991	1.902,779	14.654,621	7,702	7,236
25	14	98.146	30.762,462	597.226,865	19,414	18,948	75	64	56.102	1.727,544	12.751,842	7,381	6,915
26	15	98.063	29.342,605	566.464,404	19,305	18,839	76	65	53.117	1.561,452	11.024,299	7,060	6,594
27	16	97.975	27.986,998	537.121,799	19,192	18,726	77	66	50.055	1.404,717	9.462,847	6,736	6,270
28	17	97.884	26.693,137	509.134,801	19,074	18,608	78	67	46.887	1.256,136	8.058,130	6,415	5,949
29	18	97.791	25.458,375	482.441,664	18,950	18,484	79	68	43.593	1.114,932	6.801,995	6,101	5,635
30	19	97.694	24.279,859	456.983,289	18,821	18,355	80	69	40.225	982,131	5.687,063	5,791	5,325
31	20	97.595	23.155,509	432.703,430	18,687	18,221	81	70	36.760	856,841	4.704,932	5,491	5,025
32	21	97.488	22.081,065	409.547,921	18,547	18,081	82	71	33.262	740,154	3.848,091	5,199	4,733
33	22	97.384	21.057,352	387.466,856	18,401	17,935	83	72	29.652	629,888	3.107,936	4,934	4,468
34	23	97.272	20.079,413	366.409,504	18,248	17,782	84	73	26.150	530,316	2.478,048	4,673	4,207
35	24	97.154	19.145,586	346.330,091	18,089	17,623	85	74	22.793	441,268	1.947,732	4,414	3,948
36	25	97.026	18.253,321	327.184,505	17,925	17,459	86	75	19.686	363,831	1.506,464	4,141	3,675
37	26	96.892	17.401,651	308.931,184	17,753	17,287	87	76	16.635	293,511	1.142,633	3,893	3,427
38	27	96.748	16.587,839	291.529,533	17,575	17,109	88	77	13.728	231,229	849,122	3,672	3,206
39	28	96.587	15.809,217	274.941,693	17,391	16,925	89	78	11.083	178,218	617,892	3,467	3,001
40	29	96.409	15.064,597	259.132,477	17,201	16,735	90	79	8.753	134,375	439,674	3,272	2,806
41	30	96.215	14.352,507	244.067,880	17,005	16,539	91	80	6.758	99,044	305,300	3,082	2,616
42	31	96.001	13.671,170	229.715,373	16,803	16,337	92	81	5.062	70,815	206,256	2,913	2,447
43	32	95.755	13.017,800	216.044,203	16,596	16,130	93	82	3.681	49,158	135,442	2,755	2,289
44	33	95.484	12.392,321	203.026,403	16,383	15,917	94	83	2.590	33,025	86,283	2,613	2,147
45	34	95.190	11.793,925	190.634,082	16,164	15,698	95	84	1.765	21,486	53,258	2,479	2,013
46	35	94.852	11.219,210	178.840,157	15,941	15,475	96	85	1.161	13,496	31,772	2,354	1,888
47	36	94.482	10.668,644	167.620,947	15,712	15,246	97	86	739	8,194	18,276	2,230	1,764
48	37	94.075	10.140,952	156.952,303	15,477	15,011	98	87	450	4,763	10,082	2,117	1,651
49	38	93.633	9.635,665	146.811,351	15,236	14,770	99	88	261	2,637	5,319	2,017	1,551
							100	89	144	1,394	2,682	1,923	1,457

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 12 Jahre

Zinsfuß 4,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	38	93.213	9.157,438	137.619,881	15,028	14,562
1							51	39	92.686	8.692,779	128.462,443	14,778	14,312
2							52	40	92.132	8.248,996	119.769,663	14,519	14,053
3							53	41	91.512	7.821,940	111.520,667	14,257	13,791
4							54	42	90.847	7.412,975	103.698,727	13,989	13,523
5							55	43	90.129	7.020,869	96.285,752	13,714	13,248
6							56	44	89.338	6.643,694	89.264,884	13,436	12,970
7							57	45	88.515	6.284,000	82.621,189	13,148	12,682
8							58	46	87.610	5.937,704	76.337,190	12,856	12,390
9							59	47	86.619	5.604,349	70.399,486	12,562	12,096
10							60	48	85.542	5.283,682	64.795,137	12,263	11,797
11							61	49	84.399	4.976,727	59.511,455	11,958	11,492
12	0	99.370	56.938,461	1.163.099,060	20,427	19,961	62	50	83.185	4.682,689	54.534,729	11,646	11,180
13	1	98.980	54.143,066	1.106.160,599	20,430	19,964	63	51	81.857	4.398,990	49.852,040	11,333	10,867
14	2	98.931	51.662,680	1.052.017,533	20,363	19,897	64	52	80.450	4.127,332	45.453,050	11,013	10,547
15	3	98.893	49.301,133	1.000.354,852	20,291	19,825	65	53	78.941	3.866,266	41.325,719	10,689	10,223
16	4	98.853	47.046,342	951.053,719	20,215	19,749	66	54	77.314	3.614,856	37.459,452	10,363	9,897
17	5	98.802	44.889,975	904.007,378	20,138	19,672	67	55	75.571	3.373,131	33.844,596	10,034	9,568
18	6	98.740	42.827,071	859.117,403	20,060	19,594	68	56	73.672	3.139,263	30.471,465	9,707	9,241
19	7	98.656	40.850,256	816.290,332	19,983	19,516	69	57	71.642	2.914,316	27.332,202	9,379	8,913
20	8	98.567	38.963,055	775.440,077	19,902	19,436	70	58	69.485	2.698,420	24.417,885	9,049	8,583
21	9	98.483	37.164,387	736.477,022	19,817	19,351	71	59	67.178	2.490,542	21.719,465	8,721	8,255
22	10	98.400	35.449,019	699.312,635	19,727	19,261	72	60	64.732	2.291,026	19.228,923	8,393	7,927
23	11	98.317	33.813,186	663.863,616	19,633	19,167	73	61	62.110	2.098,524	16.937,897	8,071	7,605
24	12	98.235	32.252,940	630.050,430	19,535	19,069	74	62	59.365	1.914,829	14.839,373	7,750	7,284
25	13	98.155	30.765,443	597.797,489	19,431	18,965	75	63	56.487	1.739,375	12.924,544	7,431	6,965
26	14	98.074	29.346,024	567.032,047	19,322	18,856	76	64	53.508	1.572,955	11.185,169	7,111	6,645
27	15	97.992	27.992,000	537.686,023	19,209	18,743	77	65	50.467	1.416,284	9.612,215	6,787	6,321
28	16	97.905	26.698,791	509.694,023	19,091	18,625	78	66	47.315	1.267,616	8.195,931	6,466	6,000
29	17	97.812	25.463,977	482.995,232	18,968	18,502	79	67	44.041	1.126,381	6.928,315	6,151	5,685
30	18	97.722	24.286,844	457.531,255	18,839	18,373	80	68	40.690	993,494	5.801,933	5,840	5,374
31	19	97.622	23.161,930	433.244,411	18,705	18,239	81	69	37.235	867,914	4.808,439	5,540	5,074
32	20	97.518	22.088,042	410.082,481	18,566	18,100	82	70	33.742	750,826	3.940,525	5,248	4,782
33	21	97.408	21.062,506	387.994,440	18,421	17,955	83	71	30.140	640,268	3.189,699	4,982	4,516
34	22	97.298	20.084,850	366.931,934	18,269	17,803	84	72	26.630	540,053	2.549,431	4,721	4,255
35	23	97.179	19.150,582	346.847,084	18,112	17,646	85	73	23.267	450,445	2.009,378	4,461	3,995
36	24	97.052	18.258,282	327.696,501	17,948	17,482	86	74	20.144	372,306	1.558,933	4,187	3,721
37	25	96.916	17.405,934	309.438,219	17,778	17,312	87	75	17.078	301,324	1.186,627	3,938	3,472
38	26	96.775	16.592,485	292.032,285	17,600	17,134	88	76	14.137	238,123	885,304	3,718	3,252
39	27	96.615	15.813,825	275.439,800	17,418	16,952	89	77	11.456	184,211	647,181	3,513	3,047
40	28	96.438	15.069,070	259.625,975	17,229	16,763	90	78	9.090	139,546	462,971	3,318	2,852
41	29	96.243	14.356,709	244.556,906	17,034	16,568	91	79	7.055	103,393	323,424	3,128	2,662
42	30	96.032	13.675,648	230.200,197	16,833	16,367	92	80	5.321	74,441	220,031	2,956	2,490
43	31	95.789	13.022,452	216.524,549	16,627	16,161	93	81	3.898	52,060	145,590	2,797	2,331
44	32	95.518	12.396,729	203.502,097	16,416	15,950	94	82	2.769	35,307	93,530	2,649	2,183
45	33	95.228	11.798,639	191.105,368	16,197	15,731	95	83	1.901	23,145	58,223	2,516	2,050
46	34	94.897	11.224,472	179.306,728	15,975	15,509	96	84	1.263	14,675	35,078	2,390	1,924
47	35	94.530	10.674,108	168.082,256	15,747	15,281	97	85	809	8,973	20,403	2,274	1,808
48	36	94.128	10.146,690	157.408,148	15,513	15,047	98	86	500	5,297	11,430	2,158	1,692
49	37	93.691	9.641,577	147.261,458	15,274	14,808	99	87	296	2,990	6,133	2,051	1,585
							100	88	166	1,606	3,143	1,958	1,492

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 13 Jahre

Zinsfuß 4,75%

Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	37	93.270	9.163,057	138.026,305	15,063	14,597
1							51	38	92.751	8.698,864	128.863,248	14,814	14,348
2							52	39	92.206	8.255,603	120.164,384	14,555	14,089
3							53	40	91.592	7.828,751	111.908,781	14,295	13,829
4							54	41	90.937	7.420,310	104.080,030	14,026	13,560
5							55	42	90.230	7.028,774	96.659,720	13,752	13,286
6							56	43	89.454	6.652,329	89.630,947	13,474	13,008
7							57	44	88.638	6.292,759	82.978,617	13,186	12,720
8							58	45	87.749	5.947,136	76.685,858	12,895	12,429
9							59	46	86.775	5.614,432	70.738,722	12,599	12,133
10							60	47	85.709	5.293,977	65.124,290	12,302	11,836
11							61	48	84.579	4.987,299	59.830,313	11,997	11,531
12							62	49	83.386	4.693,986	54.843,014	11,684	11,218
13	0	99.357	54.349,428	1.106.957,480	20,367	19,901	63	50	82.065	4.410,133	50.149,028	11,371	10,905
14	1	98.967	51.681,190	1.052.608,053	20,367	19,901	64	51	80.674	4.138,826	45.738,896	11,051	10,585
15	2	98.913	49.310,882	1.000.926,863	20,298	19,832	65	52	79.181	3.877,990	41.600,070	10,727	10,261
16	3	98.870	47.054,418	951.615,981	20,224	19,758	66	53	77.559	3.626,307	37.722,079	10,402	9,936
17	4	98.815	44.895,773	904.561,562	20,148	19,682	67	54	75.834	3.384,905	34.095,773	10,073	9,607
18	5	98.752	42.832,670	859.665,789	20,070	19,604	68	55	73.952	3.151,196	30.710,868	9,746	9,280
19	6	98.665	40.854,020	816.833,119	19,994	19,528	69	56	71.930	2.926,064	27.559,672	9,419	8,953
20	7	98.576	38.966,448	775.979,099	19,914	19,448	70	57	69.797	2.710,518	24.633,608	9,088	8,622
21	8	98.493	37.167,955	737.012,651	19,829	19,363	71	58	67.504	2.502,593	21.923,091	8,760	8,294
22	9	98.406	35.451,310	699.844,696	19,741	19,275	72	59	65.063	2.302,733	19.420,497	8,434	7,968
23	10	98.325	33.816,030	664.393,387	19,647	19,181	73	60	62.453	2.110,139	17.117,764	8,112	7,646
24	11	98.244	32.255,965	630.577,356	19,549	19,083	74	61	59.701	1.925,665	15.007,625	7,793	7,327
25	12	98.164	30.768,056	598.321,391	19,446	18,980	75	62	56.844	1.750,390	13.081,960	7,474	7,008
26	13	98.084	29.348,868	567.553,335	19,338	18,872	76	63	53.875	1.583,727	11.331,570	7,155	6,689
27	14	98.004	27.995,262	538.204,468	19,225	18,759	77	64	50.839	1.426,717	9.747,844	6,832	6,366
28	15	97.922	26.703,562	510.209,206	19,106	18,640	78	65	47.705	1.278,054	8.321,126	6,511	6,045
29	16	97.833	25.469,371	483.505,644	18,984	18,518	79	66	44.443	1.136,676	7.043,072	6,196	5,730
30	17	97.743	24.292,189	458.036,273	18,855	18,389	80	67	41.108	1.003,697	5.906,396	5,885	5,419
31	18	97.651	23.168,593	433.744,084	18,721	18,255	81	68	37.666	877,956	4.902,700	5,584	5,118
32	19	97.545	22.094,166	410.575,491	18,583	18,117	82	69	34.178	760,529	4.024,744	5,292	4,826
33	20	97.438	21.069,161	388.481,325	18,438	17,972	83	70	30.575	649,500	3.264,214	5,026	4,560
34	21	97.322	20.089,766	367.412,164	18,289	17,823	84	71	27.069	548,953	2.614,715	4,763	4,297
35	22	97.205	19.155,769	347.322,399	18,131	17,665	85	72	23.694	458,715	2.065,762	4,503	4,037
36	23	97.077	18.263,047	328.166,630	17,969	17,503	86	73	20.563	380,048	1.607,047	4,229	3,763
37	24	96.943	17.410,664	309.903,583	17,800	17,334	87	74	17.476	308,342	1.226,999	3,979	3,513
38	25	96.799	16.596,569	292.492,919	17,624	17,158	88	75	14.513	244,461	918,657	3,758	3,292
39	26	96.642	15.818,254	275.896,350	17,442	16,976	89	76	11.797	189,702	674,196	3,554	3,088
40	27	96.466	15.073,462	260.078,097	17,254	16,788	90	77	9.396	144,239	484,494	3,359	2,893
41	28	96.272	14.360,972	245.004,634	17,060	16,594	91	78	7.327	107,372	340,255	3,169	2,703
42	29	96.060	13.679,652	230.643,663	16,860	16,394	92	79	5.555	77,710	232,882	2,997	2,531
43	30	95.820	13.026,717	216.964,010	16,655	16,189	93	80	4.098	54,726	155,172	2,835	2,369
44	31	95.552	12.401,159	203.937,294	16,445	15,979	94	81	2.933	37,391	100,446	2,686	2,220
45	32	95.262	11.802,836	191.536,135	16,228	15,762	95	82	2.033	24,744	63,055	2,548	2,082
46	33	94.935	11.228,959	179.733,298	16,006	15,540	96	83	1.360	15,808	38,311	2,424	1,957
47	34	94.575	10.679,115	168.504,340	15,779	15,313	97	84	880	9,757	22,503	2,306	1,840
48	35	94.176	10.151,887	157.825,225	15,546	15,080	98	85	548	5,800	12,746	2,197	1,731
49	36	93.744	9.647,032	147.673,338	15,308	14,842	99	86	329	3,325	6,946	2,089	1,623
							100	87	189	1,820	3,621	1,989	1,523

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 14 Jahre

Zinsfuß 4,75%

Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	36	93.323	9.168,242	138.398,170	15,095	14,629
1							51	37	92.808	8.704,202	129.229,929	14,847	14,381
2							52	38	92.270	8.261,382	120.525,727	14,589	14,123
3							53	39	91.665	7.835,021	112.264,346	14,329	13,863
4							54	40	91.016	7.426,771	104.429,324	14,061	13,595
5							55	41	90.319	7.035,729	97.002,553	13,787	13,321
6							56	42	89.555	6.659,819	89.966,825	13,509	13,043
7							57	43	88.753	6.300,938	83.307,006	13,221	12,755
8							58	44	87.871	5.955,426	77.006,068	12,930	12,464
9							59	45	86.913	5.623,351	71.050,641	12,635	12,169
10							60	46	85.863	5.303,501	65.427,291	12,337	11,871
11							61	47	84.744	4.997,017	60.123,789	12,032	11,566
12							62	48	83.563	4.703,958	55.126,772	11,719	11,253
13							63	49	82.263	4.420,772	50.422,815	11,406	10,940
14	0	99.344	51.878,168	1.053.347,232	20,304	19,838	64	50	80.879	4.149,310	46.002,042	11,087	10,621
15	1	98.948	49.328,549	1.001.469,065	20,302	19,836	65	51	79.401	3.888,791	41.852,733	10,762	10,296
16	2	98.890	47.063,724	952.140,516	20,231	19,765	66	52	77.794	3.637,303	37.963,942	10,437	9,971
17	3	98.832	44.903,481	905.076,792	20,156	19,690	67	53	76.075	3.395,626	34.326,639	10,109	9,643
18	4	98.765	42.838,203	860.173,312	20,080	19,614	68	54	74.210	3.162,195	30.931,013	9,781	9,315
19	5	98.678	40.859,361	817.335,109	20,004	19,538	69	55	72.204	2.937,186	27.768,818	9,454	8,988
20	6	98.585	38.970,039	776.475,748	19,925	19,459	70	56	70.078	2.721,443	24.831,631	9,124	8,658
21	7	98.501	37.171,192	737.505,708	19,841	19,375	71	57	67.806	2.513,813	22.110,188	8,795	8,329
22	8	98.415	35.454,713	700.334,516	19,753	19,287	72	58	65.378	2.313,876	19.596,375	8,469	8,003
23	9	98.332	33.818,215	664.879,804	19,660	19,194	73	59	62.772	2.120,921	17.282,499	8,149	7,683
24	10	98.252	32.258,678	631.061,588	19,563	19,097	74	60	60.031	1.936,323	15.161,578	7,830	7,364
25	11	98.173	30.770,941	598.802,910	19,460	18,994	75	61	57.166	1.760,295	13.225,255	7,513	7,047
26	12	98.092	29.351,360	568.031,969	19,353	18,887	76	62	54.216	1.593,756	11.464,959	7,194	6,728
27	13	98.013	27.997,974	538.680,608	19,240	18,774	77	63	51.187	1.436,488	9.871,203	6,872	6,406
28	14	97.934	26.706,674	510.682,634	19,122	18,656	78	64	48.056	1.287,469	8.434,715	6,551	6,085
29	15	97.850	25.473,923	483.975,960	18,999	18,533	79	65	44.809	1.146,036	7.147,246	6,236	5,770
30	16	97.764	24.297,334	458.502,037	18,870	18,404	80	66	41.484	1.012,870	6.001,210	5,925	5,459
31	17	97.672	23.173,691	434.204,703	18,737	18,271	81	67	38.053	886,972	4.988,340	5,624	5,158
32	18	97.573	22.100,522	411.031,012	18,598	18,132	82	68	34.573	769,329	4.101,368	5,331	4,865
33	19	97.465	21.075,003	388.930,490	18,455	17,989	83	69	30.970	657,893	3.332,040	5,065	4,599
34	20	97.353	20.096,113	367.855,487	18,305	17,839	84	70	27.459	556,868	2.674,146	4,802	4,336
35	21	97.229	19.160,457	347.759,373	18,150	17,684	85	71	24.084	466,274	2.117,279	4,541	4,075
36	22	97.104	18.267,993	328.598,917	17,988	17,522	86	72	20.940	387,026	1.651,004	4,266	3,800
37	23	96.968	17.415,208	310.330,924	17,820	17,354	87	73	17.839	314,754	1.263,978	4,016	3,550
38	24	96.825	16.601,079	292.915,716	17,644	17,178	88	74	14.851	250,155	949,224	3,795	3,329
39	25	96.666	15.822,147	276.314,637	17,464	16,998	89	75	12.111	194,752	699,069	3,590	3,124
40	26	96.493	15.077,684	260.492,490	17,277	16,811	90	76	9.676	148,539	504,318	3,395	2,929
41	27	96.300	14.365,158	245.414,807	17,084	16,618	91	77	7.573	110,983	355,779	3,206	2,740
42	28	96.089	13.683,714	231.049,649	16,885	16,419	92	78	5.768	80,701	244,796	3,033	2,567
43	29	95.849	13.030,531	217.365,935	16,681	16,215	93	79	4.277	57,130	164,095	2,872	2,406
44	30	95.583	12.405,221	204.335,404	16,472	16,006	94	80	3.083	39,306	106,965	2,721	2,255
45	31	95.296	11.807,054	191.930,183	16,256	15,790	95	81	2.153	26,204	67,660	2,582	2,116
46	32	94.968	11.232,953	180.123,129	16,035	15,569	96	82	1.454	16,900	41,455	2,453	1,987
47	33	94.612	10.683,384	168.890,177	15,809	15,343	97	83	947	10,510	24,555	2,336	1,870
48	34	94.220	10.156,649	158.206,793	15,577	15,111	98	84	596	6,307	14,044	2,227	1,761
49	35	93.792	9.651,974	148.050,144	15,339	14,873	99	85	360	3,641	7,737	2,125	1,659
							100	86	210	2,024	4,096	2,024	1,558

Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente nach der Sterbetafel 2002/2004

Altersdifferenz zwischen Mann und Frau (x - y) = 15 Jahre

Zinsfuß 4,75%

Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	35	93.371	9.172,938	138.738,345	15,125	14,659
1							51	36	92.860	8.709,126	129.565,408	14,877	14,411
2							52	37	92.327	8.266,451	120.856,281	14,620	14,154
3							53	38	91.729	7.840,506	112.589,830	14,360	13,894
4							54	39	91.089	7.432,719	104.749,325	14,093	13,627
5							55	40	90.398	7.041,855	97.316,606	13,820	13,354
6							56	41	89.643	6.666,409	90.274,751	13,542	13,076
7							57	42	88.853	6.308,032	83.608,342	13,254	12,788
8							58	43	87.985	5.963,167	77.300,310	12,963	12,497
9							59	44	87.034	5.631,189	71.337,143	12,668	12,202
10							60	45	85.999	5.311,926	65.705,954	12,370	11,904
11							61	46	84.896	5.006,007	60.394,027	12,064	11,598
12							62	47	83.726	4.713,123	55.388,020	11,752	11,286
13							63	48	82.437	4.430,164	50.674,897	11,439	10,973
14							64	49	81.074	4.159,320	46.244,733	11,118	10,652
15	0	99.326	49.516,560	1.002.154,954	20,239	19,773	65	50	79.602	3.898,641	42.085,413	10,795	10,329
16	1	98.925	47.080,585	952.638,394	20,234	19,768	66	51	78.011	3.647,433	38.186,772	10,469	10,003
17	2	98.852	44.912,360	905.557,808	20,163	19,697	67	52	76.305	3.405,923	34.539,339	10,141	9,675
18	3	98.782	42.845,557	860.645,448	20,087	19,621	68	53	74.445	3.172,212	31.133,416	9,814	9,348
19	4	98.690	40.864,639	817.799,891	20,012	19,546	69	54	72.456	2.947,438	27.961,204	9,487	9,021
20	5	98.598	38.975,134	776.935,252	19,934	19,468	70	55	70.344	2.731,788	25.013,766	9,157	8,691
21	6	98.510	37.174,617	737.960,118	19,851	19,385	71	56	68.079	2.523,946	22.281,978	8,828	8,362
22	7	98.424	35.457,801	700.785,500	19,764	19,298	72	57	65.671	2.324,249	19.758,032	8,501	8,035
23	8	98.341	33.821,462	665.327,699	19,672	19,206	73	58	63.076	2.131,184	17.433,783	8,180	7,714
24	9	98.259	32.260,763	631.506,237	19,575	19,109	74	59	60.338	1.946,217	15.302,599	7,863	7,397
25	10	98.181	30.773,529	599.245,475	19,473	19,007	75	60	57.482	1.770,038	13.356,381	7,546	7,080
26	11	98.101	29.354,113	568.471,945	19,366	18,900	76	61	54.523	1.602,776	11.586,343	7,229	6,763
27	12	98.022	28.000,353	539.117,832	19,254	18,788	77	62	51.511	1.445,585	9.983,568	6,906	6,440
28	13	97.943	26.709,262	511.117,480	19,136	18,670	78	63	48.386	1.296,286	8.537,983	6,586	6,120
29	14	97.862	25.476,891	484.408,218	19,014	18,548	79	64	45.139	1.154,478	7.241,696	6,273	5,807
30	15	97.782	24.301,676	458.931,326	18,885	18,419	80	65	41.825	1.021,210	6.087,218	5,961	5,495
31	16	97.693	23.178,600	434.629,650	18,751	18,285	81	66	38.401	895,078	5.066,008	5,660	5,194
32	17	97.595	22.105,386	411.451,050	18,613	18,147	82	67	34.928	777,229	4.170,929	5,366	4,900
33	18	97.493	21.081,066	389.345,665	18,469	18,003	83	68	31.328	665,505	3.393,700	5,099	4,633
34	19	97.380	20.101,686	368.264,599	18,320	17,854	84	69	27.814	564,064	2.728,195	4,837	4,371
35	20	97.260	19.166,510	348.162,914	18,165	17,699	85	70	24.432	472,997	2.164,131	4,575	4,109
36	21	97.128	18.272,463	328.996,403	18,005	17,539	86	71	21.286	393,404	1.691,134	4,299	3,833
37	22	96.994	17.419,924	310.723,940	17,837	17,371	87	72	18.167	320,533	1.297,730	4,049	3,583
38	23	96.851	16.605,411	293.304,015	17,663	17,197	88	73	15.160	255,357	977,196	3,827	3,361
39	24	96.692	15.826,447	276.698,604	17,483	17,017	89	74	12.393	199,288	721,839	3,622	3,156
40	25	96.517	15.081,395	260.872,157	17,298	16,832	90	75	9.934	152,493	522,552	3,427	2,961
41	26	96.327	14.369,181	245.790,763	17,105	16,639	91	76	7.799	114,292	370,059	3,238	2,772
42	27	96.117	13.687,703	231.421,582	16,907	16,441	92	77	5.962	83,415	255,767	3,066	2,600
43	28	95.877	13.034,400	217.733,879	16,705	16,239	93	78	4.442	59,328	172,353	2,905	2,439
44	29	95.611	12.408,853	204.699,479	16,496	16,030	94	79	3.218	41,032	113,025	2,755	2,289
45	30	95.327	11.810,921	192.290,626	16,281	15,815	95	80	2.263	27,546	71,993	2,614	2,148
46	31	95.002	11.236,967	180.479,706	16,061	15,595	96	81	1.540	17,898	44,446	2,483	2,017
47	32	94.646	10.687,184	169.242,739	15,836	15,370	97	82	1.013	11,237	26,548	2,363	1,897
48	33	94.258	10.160,709	158.555,555	15,605	15,139	98	83	642	6,794	15,312	2,254	1,788
49	34	93.836	9.656,501	148.394,846	15,367	14,901	99	84	392	3,959	8,518	2,151	1,685
							100	85	230	2,217	4,559	2,056	1,590

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 16 Jahre

Zinsfuß 4,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	34	93.414	9.177,240	139.049,523	15,152	14,686
1							51	35	92.908	8.713,587	129.872,283	14,905	14,439
2							52	36	92.379	8.271,128	121.158,695	14,648	14,182
3							53	37	91.786	7.845,317	112.887,568	14,389	13,923
4							54	38	91.153	7.437,922	105.042,251	14,123	13,657
5							55	39	90.470	7.047,495	97.604,329	13,850	13,383
6							56	40	89.721	6.672,214	90.556,834	13,572	13,106
7							57	41	88.941	6.314,274	83.884,621	13,285	12,819
8							58	42	88.085	5.969,881	77.570,347	12,994	12,528
9							59	43	87.147	5.638,508	71.600,466	12,698	12,232
10							60	44	86.119	5.319,331	65.961,958	12,400	11,934
11							61	45	85.031	5.013,960	60.642,627	12,095	11,629
12							62	46	83.876	4.721,603	55.628,667	11,782	11,316
13							63	47	82.598	4.438,796	50.907,064	11,469	11,003
14							64	48	81.246	4.168,156	46.468,268	11,148	10,682
15							65	49	79.794	3.908,047	42.300,112	10,824	10,358
16	0	99.302	47.260,028	953.275,060	20,171	19,705	66	50	78.208	3.656,672	38.392,066	10,499	10,033
17	1	98.887	44.928,451	906.015,031	20,166	19,700	67	51	76.518	3.415,409	34.735,394	10,170	9,704
18	2	98.802	42.854,030	861.086,580	20,093	19,627	68	52	74.671	3.181,831	31.319,985	9,843	9,377
19	3	98.707	40.871,655	818.232,551	20,020	19,554	69	53	72.685	2.956,774	28.138,154	9,517	9,050
20	4	98.611	38.980,169	777.360,896	19,942	19,476	70	54	70.590	2.741,323	25.181,380	9,186	8,720
21	5	98.523	37.179,478	738.380,727	19,860	19,394	71	55	68.338	2.533,540	22.440,056	8,857	8,391
22	6	98.433	35.461,068	701.201,249	19,774	19,308	72	56	65.936	2.333,618	19.906,517	8,530	8,064
23	7	98.350	33.824,408	665.740,181	19,682	19,216	73	57	63.359	2.140,739	17.572,899	8,209	7,743
24	8	98.268	32.263,860	631.915,773	19,586	19,120	74	58	60.630	1.955,635	15.432,160	7,891	7,425
25	9	98.187	30.775,518	599.651,914	19,485	19,019	75	59	57.776	1.779,083	13.476,525	7,575	7,109
26	10	98.109	29.356,582	568.876,396	19,378	18,912	76	60	54.825	1.611,646	11.697,443	7,258	6,792
27	11	98.031	28.002,979	539.519,814	19,267	18,801	77	61	51.803	1.453,766	10.085,796	6,938	6,472
28	12	97.952	26.711,530	511.516,835	19,150	18,684	78	62	48.692	1.304,496	8.632,030	6,617	6,151
29	13	97.871	25.479,360	484.805,305	19,027	18,561	79	63	45.448	1.162,385	7.327,535	6,304	5,838
30	14	97.793	24.304,508	459.325,945	18,899	18,433	80	64	42.133	1.028,733	6.165,150	5,993	5,527
31	15	97.710	23.182,742	435.021,436	18,765	18,299	81	65	38.717	902,449	5.136,417	5,692	5,226
32	16	97.616	22.110,068	411.838,694	18,627	18,161	82	66	35.248	784,332	4.233,968	5,398	4,932
33	17	97.515	21.085,705	389.728,626	18,483	18,017	83	67	31.650	672,339	3.449,635	5,131	4,665
34	18	97.408	20.107,468	368.642,922	18,334	17,868	84	68	28.136	570,590	2.777,296	4,867	4,401
35	19	97.287	19.171,825	348.535,453	18,180	17,714	85	69	24.747	479,110	2.206,706	4,606	4,140
36	20	97.158	18.278,237	329.363,628	18,019	17,553	86	70	21.592	399,076	1.727,596	4,329	3,863
37	21	97.018	17.424,188	311.085,392	17,854	17,388	87	71	18.466	325,815	1.328,520	4,078	3,612
38	22	96.877	16.609,908	293.661,204	17,680	17,214	88	72	15.438	260,045	1.002,704	3,856	3,390
39	23	96.717	15.830,577	277.051,296	17,501	17,035	89	73	12.651	203,432	742,659	3,651	3,185
40	24	96.543	15.085,493	261.220,719	17,316	16,850	90	74	10.165	156,044	539,227	3,456	2,990
41	25	96.351	14.372,717	246.135,226	17,125	16,659	91	75	8.006	117,334	383,182	3,266	2,800
42	26	96.144	13.691,536	231.762,508	16,927	16,461	92	76	6.140	85,901	265,848	3,095	2,629
43	27	95.905	13.038,200	218.070,972	16,726	16,260	93	77	4.591	61,323	179,947	2,934	2,468
44	28	95.640	12.412,537	205.032,773	16,518	16,052	94	78	3.342	42,611	118,624	2,784	2,318
45	29	95.355	11.814,379	192.620,236	16,304	15,838	95	79	2.362	28,756	76,013	2,643	2,177
46	30	95.034	11.240,647	180.805,857	16,085	15,619	96	80	1.619	18,815	47,257	2,512	2,046
47	31	94.680	10.691,003	169.565,209	15,861	15,395	97	81	1.073	11,900	28,442	2,390	1,924
48	32	94.291	10.164,323	158.874,207	15,631	15,165	98	82	686	7,263	16,542	2,277	1,811
49	33	93.873	9.660,361	148.709,884	15,394	14,928	99	83	422	4,265	9,279	2,176	1,710
							100	84	250	2,410	5,014	2,080	1,614

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 17 Jahre

Zinsfuß 4,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	33	93.452	9.180,909	139.333,899	15,176	14,710
1							51	34	92.951	8.717,674	130.152,991	14,930	14,464
2							52	35	92.427	8.275,364	121.435,316	14,674	14,208
3							53	36	91.837	7.849,755	113.159,952	14,416	13,950
4							54	37	91.209	7.442,486	105.310,197	14,150	13,684
5							55	38	90.534	7.052,428	97.867,711	13,877	13,411
6							56	39	89.793	6.677,557	90.815,283	13,600	13,134
7							57	40	89.019	6.319,772	84.137,725	13,313	12,847
8							58	41	88.172	5.975,788	77.817,954	13,022	12,556
9							59	42	87.245	5.644,857	71.842,166	12,727	12,261
10							60	43	86.231	5.326,244	66.197,309	12,429	11,963
11							61	44	85.149	5.020,949	60.871,064	12,123	11,657
12							62	45	84.010	4.729,104	55.850,116	11,810	11,344
13							63	46	82.747	4.446,782	51.121,012	11,496	11,030
14							64	47	81.404	4.176,278	46.674,230	11,176	10,710
15							65	48	79.964	3.916,349	42.497,952	10,851	10,385
16							66	49	78.397	3.665,494	38.581,603	10,526	10,060
17	0	99.264	45.099,692	906.606,209	20,102	19,636	67	50	76.712	3.424,060	34.916,110	10,197	9,731
18	1	98.837	42.869,383	861.506,518	20,096	19,630	68	51	74.879	3.190,692	31.492,050	9,870	9,404
19	2	98.727	40.879,737	818.637,135	20,025	19,559	69	52	72.906	2.965,740	28.301,357	9,543	9,077
20	3	98.628	38.986,861	777.757,397	19,949	19,483	70	53	70.813	2.750,007	25.335,617	9,213	8,747
21	4	98.536	37.184,280	738.770,537	19,868	19,402	71	54	68.577	2.542,383	22.585,610	8,884	8,418
22	5	98.446	35.465,705	701.586,256	19,782	19,316	72	55	66.186	2.342,489	20.043,228	8,556	8,090
23	6	98.359	33.827,525	666.120,552	19,692	19,226	73	56	63.614	2.149,368	17.700,739	8,235	7,769
24	7	98.277	32.266,670	632.293,027	19,596	19,130	74	57	60.902	1.964,402	15.551,371	7,917	7,451
25	8	98.197	30.778,472	600.026,357	19,495	19,029	75	58	58.056	1.787,691	13.586,969	7,600	7,134
26	9	98.116	29.358,479	569.247,885	19,390	18,924	76	59	55.105	1.619,882	11.799,278	7,284	6,818
27	10	98.039	28.005,334	539.889,406	19,278	18,812	77	60	52.090	1.461,812	10.179,396	6,964	6,498
28	11	97.961	26.714,036	511.884,072	19,162	18,696	78	61	48.967	1.311,878	8.717,584	6,645	6,179
29	12	97.880	25.481,524	485.170,037	19,040	18,574	79	62	45.736	1.169,746	7.405,706	6,331	5,865
30	13	97.802	24.306,863	459.688,512	18,912	18,446	80	63	42.422	1.035,778	6.235,960	6,021	5,555
31	14	97.722	23.185,444	435.381,649	18,778	18,312	81	64	39.002	909,097	5.200,182	5,720	5,254
32	15	97.633	22.114,019	412.196,205	18,640	18,174	82	65	35.538	790,791	4.291,085	5,426	4,960
33	16	97.536	21.090,171	390.082,186	18,496	18,030	83	66	31.939	678,484	3.500,294	5,159	4,693
34	17	97.429	20.111,893	368.992,015	18,347	17,881	84	67	28.425	576,450	2.821,810	4,895	4,429
35	18	97.315	19.177,340	348.880,122	18,192	17,726	85	68	25.034	484,653	2.245,360	4,633	4,167
36	19	97.185	18.283,305	329.702,782	18,033	17,567	86	69	21.872	404,234	1.760,707	4,356	3,890
37	20	97.049	17.429,693	311.419,477	17,867	17,401	87	70	18.732	330,513	1.356,473	4,104	3,638
38	21	96.901	16.613,973	293.989,784	17,695	17,229	88	71	15.693	264,331	1.025,960	3,881	3,415
39	22	96.743	15.834,864	277.375,811	17,517	17,051	89	72	12.883	207,167	761,629	3,676	3,210
40	23	96.568	15.089,430	261.540,946	17,333	16,867	90	73	10.376	159,289	554,462	3,481	3,015
41	24	96.377	14.376,623	246.451,517	17,143	16,677	91	74	8.193	120,067	395,172	3,291	2,825
42	25	96.168	13.694,906	232.074,893	16,946	16,480	92	75	6.303	88,188	275,106	3,120	2,654
43	26	95.932	13.041,851	218.379,987	16,745	16,279	93	76	4.728	63,152	186,918	2,960	2,494
44	27	95.668	12.416,156	205.338,137	16,538	16,072	94	77	3.454	44,044	123,766	2,810	2,344
45	28	95.383	11.817,887	192.921,981	16,325	15,859	95	78	2.453	29,863	79,723	2,670	2,204
46	29	95.061	11.243,938	181.104,094	16,107	15,641	96	79	1.690	19,641	49,860	2,539	2,073
47	30	94.711	10.694,504	169.860,156	15,883	15,417	97	80	1.128	12,509	30,219	2,416	1,950
48	31	94.325	10.167,955	159.165,651	15,654	15,188	98	81	726	7,692	17,710	2,302	1,836
49	32	93.906	9.663,797	148.997,696	15,418	14,952	99	82	451	4,559	10,017	2,197	1,731
							100	83	269	2,596	5,458	2,102	1,636

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 18 Jahre

Zinsfuß 4,75%

Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	32	93.485	9.184,174	139.593,677	15,199	14,733
1							51	33	92.989	8.721,159	130.409,502	14,953	14,487
2							52	34	92.470	8.279,246	121.688,343	14,698	14,232
3							53	35	91.884	7.853,776	113.409,098	14,440	13,974
4							54	36	91.260	7.446,697	105.555,321	14,175	13,709
5							55	37	90.589	7.056,755	98.108,625	13,903	13,437
6							56	38	89.856	6.682,232	91.051,869	13,626	13,160
7							57	39	89.090	6.324,834	84.369,638	13,339	12,873
8							58	40	88.248	5.980,991	78.044,804	13,049	12,583
9							59	41	87.331	5.650,442	72.063,813	12,754	12,288
10							60	42	86.328	5.332,241	66.413,371	12,455	11,989
11							61	43	85.260	5.027,475	61.081,129	12,149	11,683
12							62	44	84.127	4.735,696	56.053,655	11,836	11,370
13							63	45	82.878	4.453,846	51.317,959	11,522	11,056
14							64	46	81.551	4.183,792	46.864,113	11,201	10,735
15							65	47	80.120	3.923,980	42.680,322	10,877	10,411
16							66	48	78.563	3.673,281	38.756,342	10,551	10,085
17							67	49	76.897	3.432,321	35.083,061	10,221	9,755
18	0	99.214	43.032,776	862.055,650	20,033	19,567	68	50	75.069	3.198,774	31.650,741	9,895	9,429
19	1	98.762	40.894,383	819.022,874	20,028	19,562	69	51	73.109	2.974,000	28.451,966	9,567	9,101
20	2	98.647	38.994,570	778.128,491	19,955	19,489	70	52	71.028	2.758,346	25.477,966	9,237	8,771
21	3	98.553	37.190,664	739.133,920	19,874	19,408	71	53	68.794	2.550,436	22.719,621	8,908	8,442
22	4	98.459	35.470,286	701.943,257	19,790	19,324	72	54	66.417	2.350,665	20.169,185	8,580	8,114
23	5	98.372	33.831,947	666.472,971	19,700	19,234	73	55	63.856	2.157,538	17.818,520	8,259	7,793
24	6	98.286	32.269,643	632.641,023	19,605	19,139	74	56	61.147	1.972,321	15.660,982	7,940	7,474
25	7	98.205	30.781,153	600.371,380	19,505	19,039	75	57	58.316	1.795,706	13.688,661	7,623	7,157
26	8	98.125	29.361,297	569.590,227	19,399	18,933	76	58	55.371	1.627,720	11.892,956	7,307	6,841
27	9	98.046	28.007,143	540.228,930	19,289	18,823	77	59	52.356	1.469,281	10.265,235	6,987	6,521
28	10	97.969	26.716,282	512.221,786	19,173	18,707	78	60	49.239	1.319,139	8.795,954	6,668	6,202
29	11	97.889	25.483,914	485.505,504	19,051	18,585	79	61	45.995	1.176,366	7.476,815	6,356	5,890
30	12	97.811	24.308,928	460.021,590	18,924	18,458	80	62	42.690	1.042,338	6.300,450	6,045	5,579
31	13	97.731	23.187,690	435.712,662	18,791	18,325	81	63	39.269	915,323	5.258,112	5,745	5,279
32	14	97.644	22.116,596	412.524,972	18,652	18,186	82	64	35.800	796,617	4.342,789	5,452	4,986
33	15	97.553	21.093,940	390.408,375	18,508	18,042	83	65	32.202	684,071	3.546,172	5,184	4,718
34	16	97.450	20.116,153	369.314,435	18,359	17,893	84	66	28.685	581,718	2.862,101	4,920	4,454
35	17	97.336	19.181,561	349.198,282	18,205	17,739	85	67	25.291	489,630	2.280,383	4,657	4,191
36	18	97.213	18.288,564	330.016,721	18,045	17,579	86	68	22.125	408,910	1.790,753	4,379	3,913
37	19	97.075	17.434,526	311.728,157	17,880	17,414	87	69	18.974	334,784	1.381,842	4,128	3,662
38	20	96.931	16.619,222	294.293,631	17,708	17,242	88	70	15.919	268,142	1.047,058	3,905	3,439
39	21	96.767	15.838,740	277.674,409	17,531	17,065	89	71	13.096	210,581	778,916	3,699	3,233
40	22	96.594	15.093,516	261.835,669	17,348	16,882	90	72	10.567	162,214	568,334	3,504	3,038
41	23	96.402	14.380,375	246.742,153	17,158	16,692	91	73	8.363	122,564	406,120	3,314	2,848
42	24	96.194	13.698,627	232.361,778	16,962	16,496	92	74	6.450	90,242	283,557	3,142	2,676
43	25	95.955	13.045,061	218.663,150	16,762	16,296	93	75	4.854	64,832	193,315	2,982	2,516
44	26	95.694	12.419,633	205.618,090	16,556	16,090	94	76	3.557	45,357	128,482	2,833	2,367
45	27	95.411	11.821,332	193.198,457	16,343	15,877	95	77	2.536	30,867	83,126	2,693	2,227
46	28	95.090	11.247,277	181.377,125	16,126	15,660	96	78	1.755	20,397	52,259	2,562	2,096
47	29	94.739	10.697,636	170.129,848	15,903	15,437	97	79	1.177	13,059	31,862	2,440	1,974
48	30	94.356	10.171,285	159.432,212	15,675	15,209	98	80	764	8,086	18,803	2,325	1,859
49	31	93.940	9.667,250	149.260,927	15,440	14,974	99	81	478	4,829	10,717	2,220	1,754
							100	82	288	2,776	5,888	2,121	1,655

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 19 Jahre

Zinsfuß 4,75%

Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	31	93.518	9.187,456	139.831,256	15,220	14,754
1							51	32	93.022	8.724,261	130.643,800	14,975	14,509
2							52	33	92.507	8.282,555	121.919,538	14,720	14,254
3							53	34	91.928	7.857,460	113.636,983	14,462	13,996
4							54	35	91.307	7.450,511	105.779,523	14,198	13,732
5							55	36	90.641	7.060,748	98.329,012	13,926	13,460
6							56	37	89.911	6.686,332	91.268,264	13,650	13,184
7							57	38	89.152	6.329,261	84.581,933	13,364	12,898
8							58	39	88.319	5.985,781	78.252,672	13,073	12,607
9							59	40	87.407	5.655,362	72.266,890	12,778	12,312
10							60	41	86.413	5.337,517	66.611,528	12,480	12,014
11							61	42	85.356	5.033,135	61.274,010	12,174	11,708
12							62	43	84.236	4.741,851	56.240,875	11,861	11,395
13							63	44	82.994	4.460,054	51.499,025	11,547	11,081
14							64	45	81.680	4.190,438	47.038,970	11,225	10,759
15							65	46	80.264	3.931,040	42.848,532	10,900	10,434
16							66	47	78.716	3.680,438	38.917,493	10,574	10,108
17							67	48	77.060	3.439,612	35.237,055	10,244	9,778
18							68	49	75.250	3.206,492	31.797,443	9,917	9,451
19	0	99.139	41.050,248	819.533,110	19,964	19,498	69	50	73.294	2.981,533	28.590,951	9,589	9,123
20	1	98.683	39.008,541	778.482,862	19,957	19,491	70	51	71.226	2.766,028	25.609,418	9,259	8,793
21	2	98.572	37.198,018	739.474,321	19,879	19,413	71	52	69.003	2.558,170	22.843,390	8,930	8,464
22	3	98.475	35.476,375	702.276,302	19,796	19,330	72	53	66.628	2.358,111	20.285,220	8,602	8,136
23	4	98.384	33.836,317	666.799,927	19,707	19,241	73	54	64.079	2.165,069	17.927,110	8,280	7,814
24	5	98.299	32.273,862	632.963,610	19,612	19,146	74	55	61.380	1.979,818	15.762,041	7,961	7,495
25	6	98.215	30.783,990	600.689,747	19,513	19,047	75	56	58.551	1.802,944	13.782,223	7,644	7,178
26	7	98.134	29.363,855	569.905,758	19,408	18,942	76	57	55.620	1.635,017	11.979,279	7,327	6,861
27	8	98.055	28.009,832	540.541,903	19,298	18,832	77	58	52.609	1.476,391	10.344,262	7,006	6,540
28	9	97.975	26.718,009	512.532,071	19,183	18,717	78	59	49.490	1.325,879	8.867,871	6,688	6,222
29	10	97.897	25.486,057	485.814,062	19,062	18,596	79	60	46.250	1.182,877	7.541,991	6,376	5,910
30	11	97.820	24.311,208	460.328,005	18,935	18,469	80	61	42.932	1.048,237	6.359,115	6,066	5,600
31	12	97.739	23.189,660	436.016,797	18,802	18,336	81	62	39.518	921,119	5.310,878	5,766	5,300
32	13	97.654	22.118,739	412.827,138	18,664	18,198	82	63	36.045	802,072	4.389,759	5,473	5,007
33	14	97.564	21.096,398	390.708,398	18,520	18,054	83	64	32.439	689,111	3.587,687	5,206	4,740
34	15	97.467	20.119,748	369.612,000	18,371	17,905	84	65	28.921	586,508	2.898,576	4,942	4,476
35	16	97.357	19.185,624	349.492,252	18,216	17,750	85	66	25.522	494,105	2.312,068	4,679	4,213
36	17	97.234	18.292,589	330.306,628	18,057	17,591	86	67	22.352	413,110	1.817,962	4,401	3,935
37	18	97.103	17.439,541	312.014,039	17,891	17,425	87	68	19.194	338,658	1.404,853	4,148	3,682
38	19	96.958	16.623,831	294.574,497	17,720	17,254	88	69	16.125	271,607	1.066,195	3,926	3,459
39	20	96.798	15.843,744	277.950,667	17,543	17,077	89	70	13.285	213,617	794,588	3,720	3,254
40	21	96.618	15.097,210	262.106,923	17,361	16,895	90	71	10.741	164,887	580,970	3,523	3,057
41	22	96.428	14.384,270	247.009,713	17,172	16,706	91	72	8.517	124,814	416,083	3,334	2,868
42	23	96.219	13.702,202	232.625,443	16,977	16,511	92	73	6.584	92,118	291,269	3,162	2,696
43	24	95.981	13.048,606	218.923,241	16,778	16,312	93	74	4.967	66,343	199,151	3,002	2,536
44	25	95.718	12.422,690	205.874,635	16,572	16,106	94	75	3.652	46,564	132,808	2,852	2,386
45	26	95.438	11.824,642	193.451,946	16,360	15,894	95	76	2.611	31,787	86,244	2,713	2,247
46	27	95.117	11.250,556	181.627,303	16,144	15,678	96	77	1.814	21,083	54,457	2,583	2,117
47	28	94.767	10.700,812	170.376,748	15,922	15,456	97	78	1.222	13,561	33,374	2,461	1,995
48	29	94.384	10.174,263	159.675,936	15,694	15,228	98	79	797	8,441	19,813	2,347	1,881
49	30	93.971	9.670,417	149.501,672	15,460	14,994	99	80	502	5,076	11,371	2,240	1,774
							100	81	305	2,940	6,296	2,142	1,676

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 20 Jahre

Zinsfuß 4,75%

Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	30	93.549	9.190,465	140.048,525	15,238	14,772
1							51	31	93.055	8.727,379	130.858,060	14,994	14,528
2							52	32	92.540	8.285,501	122.130,681	14,740	14,274
3							53	33	91.964	7.860,601	113.845,180	14,483	14,017
4							54	34	91.350	7.454,006	105.984,579	14,218	13,752
5							55	35	90.687	7.064,364	98.530,573	13,948	13,482
6							56	36	89.962	6.690,115	91.466,209	13,672	13,206
7							57	37	89.207	6.333,145	84.776,094	13,386	12,920
8							58	38	88.381	5.989,971	78.442,950	13,096	12,630
9							59	39	87.477	5.659,892	72.452,978	12,801	12,335
10							60	40	86.489	5.342,165	66.793,086	12,503	12,037
11							61	41	85.441	5.038,115	61.450,921	12,197	11,731
12							62	42	84.331	4.747,190	56.412,806	11,883	11,417
13							63	43	83.101	4.465,851	51.665,616	11,569	11,103
14							64	44	81.794	4.196,279	47.199,765	11,248	10,782
15							65	45	80.391	3.937,284	43.003,486	10,922	10,456
16							66	46	78.858	3.687,060	39.066,202	10,595	10,129
17							67	47	77.210	3.446,314	35.379,142	10,266	9,800
18							68	48	75.409	3.213,304	31.932,828	9,938	9,472
19							69	49	73.471	2.988,726	28.719,524	9,609	9,143
20	0	99.059	39.157,218	778.957,130	19,893	19,427	70	50	71.406	2.773,034	25.730,798	9,279	8,813
21	1	98.608	37.211,345	739.799,911	19,881	19,415	71	51	69.195	2.565,294	22.957,764	8,949	8,483
22	2	98.495	35.483,391	702.588,566	19,800	19,334	72	52	66.830	2.365,261	20.392,470	8,622	8,156
23	3	98.401	33.842,126	667.105,175	19,712	19,246	73	53	64.282	2.171,927	18.027,209	8,300	7,834
24	4	98.311	32.278,031	633.263,049	19,619	19,153	74	54	61.594	1.986,728	15.855,282	7,981	7,515
25	5	98.227	30.788,014	600.985,018	19,520	19,054	75	55	58.774	1.809,798	13.868,554	7,663	7,197
26	6	98.143	29.366,561	570.197,003	19,417	18,951	76	56	55.844	1.641,608	12.058,756	7,346	6,880
27	7	98.063	28.012,272	540.830,443	19,307	18,841	77	57	52.845	1.483,010	10.417,148	7,024	6,558
28	8	97.985	26.720,574	512.818,171	19,192	18,726	78	58	49.730	1.332,295	8.934,138	6,706	6,240
29	9	97.903	25.487,704	486.097,597	19,072	18,606	79	59	46.486	1.188,921	7.601,843	6,394	5,928
30	10	97.828	24.313,252	460.609,893	18,945	18,479	80	60	43.170	1.054,038	6.412,922	6,084	5,618
31	11	97.748	23.191,835	436.296,641	18,813	18,347	81	61	39.741	926,332	5.358,884	5,785	5,319
32	12	97.662	22.120,618	413.104,806	18,675	18,209	82	62	36.273	807,152	4.432,552	5,492	5,026
33	13	97.574	21.098,443	390.984,188	18,531	18,065	83	63	32.662	693,830	3.625,400	5,225	4,759
34	14	97.479	20.122,093	369.885,746	18,382	17,916	84	64	29.134	590,829	2.931,571	4,962	4,496
35	15	97.374	19.189,052	349.763,653	18,227	17,761	85	65	25.732	498,174	2.340,742	4,699	4,233
36	16	97.255	18.296,464	330.574,600	18,068	17,602	86	66	22.556	416,885	1.842,568	4,420	3,954
37	17	97.125	17.443,379	312.278,137	17,902	17,436	87	67	19.391	342,136	1.425,682	4,167	3,701
38	18	96.986	16.628,613	294.834,757	17,731	17,265	88	68	16.311	274,750	1.083,547	3,944	3,478
39	19	96.825	15.848,137	278.206,144	17,555	17,088	89	69	13.456	216,378	808,797	3,738	3,272
40	20	96.649	15.101,980	262.358,007	17,372	16,906	90	70	10.896	167,265	592,419	3,542	3,076
41	21	96.452	14.387,790	247.256,027	17,185	16,719	91	71	8.657	126,871	425,154	3,351	2,885
42	22	96.245	13.705,913	232.868,237	16,990	16,524	92	72	6.705	93,810	298,283	3,180	2,714
43	23	96.007	13.052,011	219.162,324	16,791	16,325	93	73	5.071	67,722	204,474	3,019	2,553
44	24	95.744	12.426,065	206.110,313	16,587	16,121	94	74	3.737	47,649	136,751	2,870	2,404
45	25	95.461	11.827,553	193.684,248	16,376	15,910	95	75	2.681	32,633	89,103	2,730	2,264
46	26	95.144	11.253,706	181.856,695	16,160	15,694	96	76	1.868	21,711	56,469	2,601	2,135
47	27	94.794	10.703,931	170.602,989	15,938	15,472	97	77	1.264	14,017	34,758	2,480	2,014
48	28	94.412	10.177,284	159.899,057	15,711	15,245	98	78	828	8,766	20,741	2,366	1,900
49	29	93.998	9.673,248	149.721,773	15,478	15,012	99	79	524	5,299	11,975	2,260	1,794
							100	80	320	3,090	6,676	2,160	1,694

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 21 Jahre

Zinsfuß 4,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	29	93.576	9.193,156	140.247,139	15,256	14,790
1							51	30	93.085	8.730,237	131.053,983	15,012	14,545
2							52	31	92.573	8.288,462	122.323,746	14,758	14,292
3							53	32	91.997	7.863,397	114.035,284	14,502	14,036
4							54	33	91.386	7.456,985	106.171,887	14,238	13,772
5							55	34	90.729	7.067,678	98.714,902	13,967	13,501
6							56	35	90.008	6.693,542	91.647,224	13,692	13,226
7							57	36	89.258	6.336,728	84.953,682	13,407	12,941
8							58	37	88.435	5.993,647	78.616,955	13,117	12,651
9							59	38	87.539	5.663,854	72.623,308	12,822	12,356
10							60	39	86.558	5.346,444	66.959,454	12,524	12,058
11							61	40	85.515	5.042,502	61.613,010	12,219	11,753
12							62	41	84.414	4.751,887	56.570,508	11,905	11,439
13							63	42	83.195	4.470,879	51.818,621	11,590	11,124
14							64	43	81.900	4.201,733	47.347,742	11,269	10,803
15							65	44	80.503	3.942,773	43.146,009	10,943	10,477
16							66	45	78.983	3.692,917	39.203,236	10,616	10,150
17							67	46	77.349	3.452,515	35.510,320	10,285	9,819
18							68	47	75.556	3.219,565	32.057,805	9,957	9,491
19							69	48	73.627	2.995,076	28.838,240	9,629	9,163
20							70	49	71.579	2.779,724	25.843,165	9,297	8,831
21	0	98.983	37.353,173	740.240,914	19,817	19,351	71	50	69.370	2.571,792	23.063,441	8,968	8,502
22	1	98.530	35.496,103	702.887,741	19,802	19,336	72	51	67.016	2.371,849	20.491,648	8,640	8,174
23	2	98.421	33.848,819	667.391,638	19,717	19,251	73	52	64.477	2.178,513	18.119,800	8,318	7,852
24	3	98.328	32.283,573	633.542,819	19,624	19,158	74	53	61.789	1.993,021	15.941,287	7,999	7,533
25	4	98.240	30.791,991	601.259,247	19,526	19,060	75	54	58.979	1.816,114	13.948,266	7,680	7,214
26	5	98.156	29.370,400	570.467,255	19,423	18,957	76	55	56.056	1.647,848	12.132,152	7,362	6,896
27	6	98.072	28.014,853	541.096,855	19,315	18,849	77	56	53.058	1.488,988	10.484,304	7,041	6,575
28	7	97.993	26.722,901	513.082,002	19,200	18,734	78	57	49.953	1.338,268	8.995,316	6,722	6,256
29	8	97.913	25.490,151	486.359,101	19,080	18,614	79	58	46.711	1.194,674	7.657,048	6,409	5,943
30	9	97.835	24.314,823	460.868,950	18,954	18,488	80	59	43.390	1.059,424	6.462,374	6,100	5,634
31	10	97.757	23.193,785	436.554,127	18,822	18,356	81	60	39.961	931,459	5.402,950	5,801	5,335
32	11	97.671	22.122,693	413.360,342	18,685	18,219	82	61	36.478	811,719	4.471,491	5,509	5,043
33	12	97.582	21.100,235	391.237,649	18,542	18,076	83	62	32.868	698,224	3.659,771	5,242	4,776
34	13	97.488	20.124,043	370.137,414	18,393	17,927	84	63	29.334	594,875	2.961,547	4,978	4,512
35	14	97.386	19.191,288	350.013,372	18,238	17,772	85	64	25.922	501,844	2.366,672	4,716	4,250
36	15	97.272	18.299,734	330.822,083	18,078	17,612	86	65	22.742	420,318	1.864,828	4,437	3,971
37	16	97.145	17.447,074	312.522,350	17,913	17,447	87	66	19.568	345,262	1.444,510	4,184	3,718
38	17	97.007	16.632,272	295.075,276	17,741	17,275	88	67	16.479	277,571	1.099,248	3,960	3,494
39	18	96.852	15.852,696	278.443,003	17,564	17,098	89	68	13.612	218,882	821,676	3,754	3,288
40	19	96.675	15.106,168	262.590,307	17,383	16,917	90	69	11.037	169,426	602,795	3,558	3,092
41	20	96.482	14.392,336	247.484,140	17,196	16,730	91	70	8.782	128,700	433,368	3,367	2,901
42	21	96.268	13.709,267	233.091,804	17,002	16,536	92	71	6.816	95,356	304,668	3,195	2,729
43	22	96.033	13.055,546	219.382,536	16,804	16,338	93	72	5.164	68,966	209,313	3,035	2,569
44	23	95.769	12.429,308	206.326,991	16,600	16,134	94	73	3.815	48,640	140,347	2,885	2,419
45	24	95.487	11.830,767	193.897,682	16,389	15,923	95	74	2.743	33,393	91,708	2,746	2,280
46	25	95.167	11.256,476	182.066,915	16,174	15,708	96	75	1.918	22,289	58,314	2,616	2,150
47	26	94.821	10.706,929	170.810,439	15,953	15,487	97	76	1.301	14,435	36,025	2,496	2,030
48	27	94.439	10.180,251	160.103,511	15,727	15,261	98	77	856	9,061	21,590	2,383	1,917
49	28	94.026	9.676,120	149.923,259	15,494	15,028	99	78	544	5,503	12,529	2,277	1,811
							100	79	334	3,226	7,026	2,178	1,712

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 22 Jahre

Zinsfuß 4,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	28	93.604	9.195,886	140.428,941	15,271	14,805
1							51	29	93.113	8.732,793	131.233,055	15,028	14,562
2							52	30	92.603	8.291,177	122.500,262	14,775	14,309
3							53	31	92.030	7.866,207	114.209,085	14,519	14,053
4							54	32	91.419	7.459,638	106.342,878	14,256	13,790
5							55	33	90.766	7.070,503	98.883,240	13,985	13,519
6							56	34	90.050	6.696,681	91.812,737	13,710	13,244
7							57	35	89.303	6.339,973	85.116,056	13,425	12,959
8							58	36	88.485	5.997,038	78.776,083	13,136	12,670
9							59	37	87.592	5.667,329	72.779,045	12,842	12,376
10							60	38	86.619	5.350,186	67.111,716	12,544	12,078
11							61	39	85.583	5.046,541	61.761,530	12,238	11,772
12							62	40	84.488	4.756,025	56.714,989	11,925	11,459
13							63	41	83.277	4.475,303	51.958,964	11,610	11,144
14							64	42	81.993	4.206,464	47.483,661	11,288	10,822
15							65	43	80.608	3.947,897	43.277,197	10,962	10,496
16							66	44	79.093	3.698,064	39.329,300	10,635	10,169
17							67	45	77.472	3.457,999	35.631,236	10,304	9,838
18							68	46	75.692	3.225,357	32.173,237	9,975	9,509
19							69	47	73.770	3.000,911	28.947,879	9,646	9,180
20							70	48	71.731	2.785,629	25.946,968	9,315	8,849
21							71	49	69.537	2.577,997	23.161,339	8,984	8,518
22	0	98.906	35.631,394	703.297,955	19,738	19,272	72	50	67.186	2.377,856	20.583,342	8,656	8,190
23	1	98.456	33.860,946	667.666,562	19,718	19,252	73	51	64.657	2.184,580	18.205,486	8,334	7,868
24	2	98.348	32.289,957	633.805,616	19,629	19,163	74	52	61.976	1.999,065	16.020,906	8,014	7,548
25	3	98.257	30.797,278	601.515,659	19,531	19,065	75	53	59.166	1.821,867	14.021,841	7,696	7,230
26	4	98.168	29.374,194	570.718,382	19,429	18,963	76	54	56.252	1.653,600	12.199,974	7,378	6,912
27	5	98.085	28.018,516	541.344,188	19,321	18,855	77	55	53.260	1.494,648	10.546,374	7,056	6,590
28	6	98.002	26.725,364	513.325,672	19,207	18,741	78	56	50.154	1.343,662	9.051,726	6,737	6,271
29	7	97.921	25.492,371	486.600,309	19,088	18,622	79	57	46.920	1.200,030	7.708,064	6,423	5,957
30	8	97.844	24.317,158	461.107,938	18,962	18,496	80	58	43.600	1.064,551	6.508,034	6,113	5,647
31	9	97.763	23.195,284	436.790,780	18,831	18,365	81	59	40.166	936,219	5.443,484	5,814	5,348
32	10	97.680	22.124,553	413.595,496	18,694	18,228	82	60	36.680	816,212	4.507,265	5,522	5,056
33	11	97.591	21.102,213	391.470,943	18,551	18,085	83	61	33.054	702,175	3.691,053	5,257	4,791
34	12	97.497	20.125,752	370.368,729	18,403	17,937	84	62	29.519	598,643	2.988,878	4,993	4,527
35	13	97.395	19.193,148	350.242,977	18,248	17,782	85	63	26.099	505,281	2.390,235	4,731	4,265
36	14	97.284	18.301,866	331.049,829	18,088	17,622	86	64	22.909	423,415	1.884,955	4,452	3,986
37	15	97.163	17.450,192	312.747,963	17,922	17,456	87	65	19.729	348,106	1.461,540	4,199	3,733
38	16	97.028	16.635,795	295.297,771	17,751	17,285	88	66	16.630	280,108	1.113,434	3,975	3,509
39	17	96.874	15.856,185	278.661,976	17,574	17,108	89	67	13.752	221,129	833,326	3,769	3,302
40	18	96.703	15.110,513	262.805,791	17,392	16,926	90	68	11.165	171,386	612,197	3,572	3,106
41	19	96.509	14.396,327	247.695,278	17,205	16,739	91	69	8.896	130,363	440,810	3,381	2,915
42	20	96.299	13.713,599	233.298,951	17,012	16,546	92	70	6.914	96,731	310,447	3,209	2,743
43	21	96.056	13.058,741	219.585,352	16,815	16,349	93	71	5.249	70,102	213,717	3,049	2,583
44	22	95.795	12.432,674	206.526,611	16,612	16,146	94	72	3.885	49,533	143,615	2,899	2,433
45	23	95.512	11.833,854	194.093,937	16,402	15,936	95	73	2.800	34,088	94,082	2,760	2,294
46	24	95.193	11.259,535	182.260,083	16,187	15,721	96	74	1.963	22,808	59,994	2,630	2,164
47	25	94.844	10.709,564	171.000,548	15,967	15,501	97	75	1.336	14,819	37,186	2,509	2,043
48	26	94.466	10.183,102	160.290,984	15,741	15,275	98	76	881	9,331	22,366	2,397	1,931
49	27	94.054	9.678,941	150.107,882	15,509	15,043	99	77	563	5,688	13,035	2,292	1,826
							100	78	347	3,350	7,348	2,193	1,727

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 23 Jahre

Zinsfuß 4,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	27	93.631	9.198,567	140.595,513	15,285	14,818
1							51	28	93.140	8.735,386	131.396,947	15,042	14,576
2							52	29	92.630	8.293,604	122.661,561	14,790	14,324
3							53	30	92.060	7.868,783	114.367,956	14,534	14,068
4							54	31	91.451	7.462,303	106.499,173	14,272	13,806
5							55	32	90.798	7.073,018	99.036,870	14,002	13,536
6							56	33	90.086	6.699,358	91.963,852	13,727	13,261
7							57	34	89.345	6.342,947	85.264,494	13,442	12,976
8							58	35	88.531	6.000,110	78.921,547	13,153	12,687
9							59	36	87.642	5.670,535	72.921,437	12,860	12,394
10							60	37	86.672	5.353,469	67.250,901	12,562	12,096
11							61	38	85.643	5.050,073	61.897,432	12,257	11,791
12							62	39	84.555	4.759,834	56.847,359	11,943	11,477
13							63	40	83.350	4.479,200	52.087,525	11,629	11,163
14							64	41	82.074	4.210,626	47.608,325	11,307	10,841
15							65	42	80.699	3.952,342	43.397,699	10,980	10,514
16							66	43	79.196	3.702,871	39.445,357	10,653	10,187
17							67	44	77.580	3.462,820	35.742,486	10,322	9,856
18							68	45	75.813	3.230,481	32.279,667	9,992	9,526
19							69	46	73.903	3.006,311	29.049,186	9,663	9,197
20							70	47	71.871	2.791,057	26.042,876	9,331	8,865
21							71	48	69.685	2.583,473	23.251,818	9,000	8,534
22							72	49	67.348	2.383,593	20.668,345	8,671	8,205
23	0	98.831	33.990,004	668.048,270	19,654	19,188	73	50	64.820	2.190,113	18.284,752	8,349	7,883
24	1	98.383	32.301,525	634.058,267	19,629	19,163	74	51	62.149	2.004,632	16.094,638	8,029	7,563
25	2	98.276	30.803,368	601.756,741	19,535	19,069	75	52	59.345	1.827,392	14.090,006	7,710	7,244
26	3	98.185	29.379,237	570.953,374	19,434	18,968	76	53	56.430	1.658,838	12.262,615	7,392	6,926
27	4	98.098	28.022,135	541.574,137	19,327	18,861	77	54	53.446	1.499,865	10.603,777	7,070	6,604
28	5	98.015	26.728,858	513.552,002	19,213	18,747	78	55	50.345	1.348,770	9.103,912	6,750	6,284
29	6	97.930	25.494,720	486.823,144	19,095	18,629	79	56	47.109	1.204,867	7.755,142	6,437	5,971
30	7	97.852	24.319,276	461.328,424	18,970	18,504	80	57	43.796	1.069,323	6.550,275	6,126	5,660
31	8	97.772	23.197,511	437.009,148	18,839	18,373	81	58	40.360	940,749	5.480,952	5,826	5,360
32	9	97.686	22.125,983	413.811,638	18,703	18,237	82	59	36.868	820,383	4.540,203	5,534	5,068
33	10	97.599	21.103,988	391.685,655	18,560	18,094	83	60	33.237	706,061	3.719,821	5,268	4,802
34	11	97.506	20.127,640	370.581,667	18,412	17,946	84	61	29.686	602,030	3.013,759	5,006	4,540
35	12	97.403	19.194,778	350.454,027	18,258	17,792	85	62	26.264	508,480	2.411,729	4,743	4,277
36	13	97.293	18.303,640	331.259,249	18,098	17,632	86	63	23.066	426,314	1.903,248	4,464	3,998
37	14	97.174	17.452,226	312.955,609	17,932	17,466	87	64	19.875	350,670	1.476,934	4,212	3,746
38	15	97.045	16.638,768	295.503,384	17,760	17,294	88	65	16.766	282,415	1.126,264	3,988	3,522
39	16	96.894	15.859,543	278.864,616	17,583	17,117	89	66	13.877	223,150	843,849	3,782	3,316
40	17	96.724	15.113,839	263.005,072	17,402	16,936	90	67	11.279	173,147	620,699	3,585	3,119
41	18	96.537	14.400,468	247.891,233	17,214	16,748	91	68	8.998	131,871	447,553	3,394	2,928
42	19	96.325	13.717,402	233.490,765	17,022	16,555	92	69	7.003	97,981	315,681	3,222	2,756
43	20	96.086	13.062,867	219.773,364	16,824	16,358	93	70	5.324	71,113	217,700	3,061	2,595
44	21	95.818	12.435,717	206.710,497	16,622	16,156	94	71	3.949	50,349	146,588	2,911	2,445
45	22	95.538	11.837,059	194.274,780	16,412	15,946	95	72	2.852	34,714	96,239	2,772	2,306
46	23	95.218	11.262,473	182.437,721	16,199	15,733	96	73	2.004	23,283	61,525	2,643	2,177
47	24	94.870	10.712,475	171.175,248	15,979	15,513	97	74	1.367	15,164	38,242	2,522	2,056
48	25	94.489	10.185,608	160.462,773	15,754	15,288	98	75	905	9,579	23,078	2,409	1,943
49	26	94.080	9.681,651	150.277,165	15,522	15,056	99	76	579	5,857	13,498	2,305	1,839
							100	77	359	3,463	7,641	2,207	1,741

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 24 Jahre

Zinsfuß 4,75%

Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	26	93.658	9.201,142	140.748,234	15,297	14,831
1							51	27	93.167	8.737,933	131.547,092	15,055	14,589
2							52	28	92.658	8.296,067	122.809,159	14,803	14,337
3							53	29	92.087	7.871,087	114.513,092	14,549	14,083
4							54	30	91.481	7.464,747	106.642,005	14,286	13,820
5							55	31	90.830	7.075,546	99.177,258	14,017	13,551
6							56	32	90.118	6.701,741	92.101,712	13,743	13,277
7							57	33	89.381	6.345,483	85.399,971	13,458	12,992
8							58	34	88.572	6.002,924	79.054,489	13,169	12,703
9							59	35	87.687	5.673,440	73.051,565	12,876	12,410
10							60	36	86.721	5.356,498	67.378,124	12,579	12,113
11							61	37	85.696	5.053,172	62.021,627	12,274	11,808
12							62	38	84.615	4.763,166	56.968,455	11,960	11,494
13							63	39	83.417	4.482,787	52.205,289	11,646	11,180
14							64	40	82.145	4.214,292	47.722,502	11,324	10,858
15							65	41	80.779	3.956,253	43.508,209	10,997	10,531
16							66	42	79.285	3.707,040	39.551,956	10,669	10,203
17							67	43	77.681	3.467,320	35.844,916	10,338	9,872
18							68	44	75.918	3.234,984	32.377,596	10,009	9,543
19							69	45	74.020	3.011,086	29.142,612	9,678	9,212
20							70	46	72.000	2.796,079	26.131,526	9,346	8,880
21							71	47	69.821	2.588,507	23.335,447	9,015	8,549
22							72	48	67.491	2.388,657	20.746,940	8,686	8,220
23							73	49	64.977	2.195,397	18.358,283	8,362	7,896
24	0	98.758	32.424,640	634.413,567	19,566	19,100	74	50	62.306	2.009,710	16.162,886	8,042	7,576
25	1	98.312	30.814,404	601.988,927	19,536	19,070	75	51	59.510	1.832,481	14.153,176	7,724	7,257
26	2	98.204	29.385,047	571.174,523	19,438	18,972	76	52	56.601	1.663,868	12.320,695	7,405	6,939
27	3	98.115	28.026,946	541.789,477	19,331	18,865	77	53	53.615	1.504,616	10.656,828	7,083	6,617
28	4	98.028	26.732,310	513.762,531	19,219	18,753	78	54	50.520	1.353,478	9.152,212	6,762	6,296
29	5	97.943	25.498,053	487.030,221	19,101	18,635	79	55	47.288	1.209,447	7.798,734	6,448	5,982
30	6	97.861	24.321,517	461.532,167	18,976	18,510	80	56	43.972	1.073,633	6.589,287	6,137	5,671
31	7	97.781	23.199,531	437.210,651	18,846	18,380	81	57	40.541	944,966	5.515,654	5,837	5,371
32	8	97.695	22.128,107	414.011,120	18,710	18,244	82	58	37.046	824,352	4.570,687	5,545	5,079
33	9	97.606	21.105,352	391.883,013	18,568	18,102	83	59	33.407	709,669	3.746,335	5,279	4,813
34	10	97.514	20.129,332	370.777,661	18,420	17,954	84	60	29.851	605,362	3.036,666	5,016	4,550
35	11	97.413	19.196,578	350.648,328	18,266	17,800	85	61	26.413	511,358	2.431,303	4,755	4,289
36	12	97.301	18.305,194	331.451,750	18,107	17,641	86	62	23.212	429,014	1.919,945	4,475	4,009
37	13	97.183	17.453,917	313.146,556	17,941	17,475	87	63	20.011	353,072	1.490,931	4,223	3,757
38	14	97.057	16.640,707	295.692,639	17,769	17,303	88	64	16.890	284,495	1.137,860	4,000	3,534
39	15	96.912	15.862,378	279.051,932	17,592	17,126	89	65	13.992	224,988	853,364	3,793	3,327
40	16	96.745	15.117,040	263.189,554	17,410	16,944	90	66	11.382	174,729	628,377	3,596	3,130
41	17	96.558	14.403,637	248.072,514	17,223	16,757	91	67	9.091	133,226	453,648	3,405	2,939
42	18	96.353	13.721,348	233.668,877	17,030	16,564	92	68	7.084	99,114	320,422	3,233	2,767
43	19	96.113	13.066,489	219.947,529	16,833	16,367	93	69	5.393	72,032	221,308	3,072	2,606
44	20	95.849	12.439,646	206.881,040	16,631	16,165	94	70	4.006	51,075	149,276	2,923	2,457
45	21	95.561	11.839,956	194.441,394	16,422	15,956	95	71	2.899	35,286	98,201	2,783	2,317
46	22	95.244	11.265,523	182.601,438	16,209	15,743	96	72	2.040	23,710	62,915	2,654	2,188
47	23	94.895	10.715,270	171.335,915	15,990	15,524	97	73	1.395	15,480	39,205	2,533	2,067
48	24	94.515	10.188,376	160.620,645	15,765	15,299	98	74	926	9,803	23,725	2,420	1,954
49	25	94.103	9.684,034	150.432,268	15,534	15,068	99	75	595	6,013	13,923	2,315	1,849
							100	76	369	3,566	7,910	2,218	1,752

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 25 Jahre

Zinsfuß 4,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	25	93.681	9.203,407	140.888,140	15,308	14,842
1							51	26	93.194	8.740,380	131.684,733	15,066	14,600
2							52	27	92.685	8.298,485	122.944,353	14,815	14,349
3							53	28	92.114	7.873,424	114.645,868	14,561	14,095
4							54	29	91.508	7.466,933	106.772,444	14,299	13,833
5							55	30	90.860	7.077,863	99.305,511	14,030	13,564
6							56	31	90.151	6.704,136	92.227,648	13,757	13,291
7							57	32	89.413	6.347,740	85.523,512	13,473	13,007
8							58	33	88.607	6.005,324	79.175,773	13,184	12,718
9							59	34	87.728	5.676,101	73.170,449	12,891	12,425
10							60	35	86.765	5.359,242	67.494,348	12,594	12,128
11							61	36	85.744	5.056,031	62.135,106	12,289	11,823
12							62	37	84.667	4.766,088	57.079,075	11,976	11,510
13							63	38	83.475	4.485,925	52.312,987	11,662	11,196
14							64	39	82.211	4.217,668	47.827,062	11,340	10,874
15							65	40	80.849	3.959,698	43.609,394	11,013	10,547
16							66	41	79.364	3.710,708	39.649,696	10,685	10,219
17							67	42	77.768	3.471,224	35.938,988	10,353	9,887
18							68	43	76.017	3.239,188	32.467,764	10,023	9,557
19							69	44	74.124	3.015,283	29.228,576	9,693	9,227
20							70	45	72.114	2.800,520	26.213,292	9,360	8,894
21							71	46	69.947	2.593,164	23.412,772	9,029	8,563
22							72	47	67.622	2.393,311	20.819,608	8,699	8,233
23							73	48	65.115	2.200,061	18.426,296	8,375	7,909
24							74	49	62.457	2.014,558	16.226,235	8,054	7,588
25	0	98.686	30.931,850	602.319,750	19,472	19,006	75	50	59.661	1.837,123	14.211,677	7,736	7,270
26	1	98.240	29.395,574	571.387,900	19,438	18,972	76	51	56.759	1.668,502	12.374,554	7,417	6,951
27	2	98.134	28.032,488	541.992,326	19,334	18,868	77	52	53.778	1.509,178	10.706,053	7,094	6,628
28	3	98.045	26.736,900	513.959,837	19,223	18,757	78	53	50.680	1.357,765	9.196,874	6,774	6,308
29	4	97.956	25.501,347	487.222,938	19,106	18,640	79	54	47.454	1.213,668	7.839,110	6,459	5,993
30	5	97.874	24.324,696	461.721,591	18,982	18,516	80	55	44.139	1.077,715	6.625,441	6,148	5,682
31	6	97.790	23.201,669	437.396,894	18,852	18,386	81	56	40.704	948,776	5.547,727	5,847	5,381
32	7	97.704	22.130,034	414.195,225	18,716	18,250	82	57	37.212	828,048	4.598,951	5,554	5,088
33	8	97.615	21.107,378	392.065,191	18,575	18,109	83	58	33.569	713,103	3.770,903	5,288	4,822
34	9	97.520	20.130,633	370.957,813	18,428	17,962	84	59	30.003	608,456	3.057,800	5,026	4,560
35	10	97.421	19.198,193	350.827,180	18,274	17,808	85	60	26.559	514,188	2.449,344	4,764	4,298
36	11	97.311	18.306,911	331.628,987	18,115	17,649	86	61	23.344	431,442	1.935,156	4,485	4,019
37	12	97.192	17.455,399	313.322,076	17,950	17,484	87	62	20.137	355,307	1.503,714	4,232	3,766
38	13	97.066	16.642,320	295.866,677	17,778	17,312	88	63	17.006	286,444	1.148,406	4,009	3,543
39	14	96.923	15.864,226	279.224,357	17,601	17,135	89	64	14.095	226,645	861,963	3,803	3,337
40	15	96.762	15.119,742	263.360,131	17,418	16,952	90	65	11.476	176,168	635,318	3,606	3,140
41	16	96.578	14.406,688	248.240,389	17,231	16,765	91	66	9.174	134,443	459,150	3,415	2,949
42	17	96.374	13.724,367	233.833,701	17,038	16,572	92	67	7.157	100,132	324,706	3,243	2,777
43	18	96.141	13.070,248	220.109,334	16,840	16,374	93	68	5.456	72,865	224,574	3,082	2,616
44	19	95.875	12.443,095	207.039,086	16,639	16,173	94	69	4.058	51,735	151,709	2,932	2,466
45	20	95.591	11.843,697	194.595,991	16,430	15,964	95	70	2.941	35,794	99,974	2,793	2,327
46	21	95.267	11.268,280	182.752,294	16,218	15,752	96	71	2.074	24,101	64,180	2,663	2,197
47	22	94.921	10.718,172	171.484,013	15,999	15,533	97	72	1.421	15,764	40,079	2,542	2,076
48	23	94.539	10.191,035	160.765,841	15,775	15,309	98	73	945	10,006	24,315	2,430	1,964
49	24	94.129	9.686,666	150.574,806	15,545	15,079	99	74	609	6,153	14,308	2,325	1,859
							100	75	379	3,661	8,155	2,228	1,762

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 0 Jahre

Zinsfuß 5,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	0	100.000	100.000,000	1.996.894,644	19,969	19,503	50	50	91.638	7.991,168	111.556,269	13,960	13,494
1	1	99.166	94.443,627	1.896.894,644	20,085	19,619	51	51	90.953	7.553,789	103.565,101	13,710	13,244
2	2	99.090	89.877,774	1.802.451,017	20,054	19,588	52	52	90.231	7.136,937	96.011,313	13,453	12,986
3	3	99.051	85.563,726	1.712.573,243	20,015	19,549	53	53	89.431	6.736,791	88.874,375	13,192	12,726
4	4	99.016	81.460,412	1.627.009,518	19,973	19,507	54	54	88.588	6.355,531	82.137,585	12,924	12,457
5	5	98.990	77.560,922	1.545.549,106	19,927	19,461	55	55	87.680	5.990,877	75.782,054	12,650	12,183
6	6	98.963	73.847,775	1.467.988,184	19,879	19,412	56	56	86.694	5.641,444	69.791,176	12,371	11,905
7	7	98.942	70.316,537	1.394.140,409	19,827	19,360	57	57	85.670	5.309,326	64.149,733	12,082	11,616
8	8	98.922	66.954,030	1.323.823,872	19,772	19,306	58	58	84.550	4.990,376	58.840,406	11,791	11,324
9	9	98.900	63.752,041	1.256.869,842	19,715	19,249	59	59	83.341	4.684,776	53.850,031	11,495	11,028
10	10	98.885	60.706,624	1.193.117,802	19,654	19,187	60	60	82.046	4.392,350	49.165,255	11,193	10,727
11	11	98.867	57.805,538	1.132.411,177	19,590	19,124	61	61	80.675	4.113,328	44.772,905	10,885	10,418
12	12	98.844	55.039,778	1.074.605,639	19,524	19,058	62	62	79.258	3.848,622	40.659,577	10,565	10,098
13	13	98.822	52.407,540	1.019.565,861	19,455	18,988	63	63	77.698	3.593,228	36.810,955	10,245	9,778
14	14	98.800	49.900,636	967.158,321	19,382	18,915	64	64	76.054	3.349,729	33.217,727	9,917	9,450
15	15	98.770	47.510,110	917.257,686	19,307	18,840	65	65	74.307	3.116,909	29.867,998	9,583	9,116
16	16	98.729	45.228,968	869.747,575	19,230	18,763	66	66	72.409	2.892,677	26.751,089	9,248	8,781
17	17	98.670	43.049,591	824.518,607	19,153	18,686	67	67	70.380	2.677,743	23.858,412	8,910	8,443
18	18	98.599	40.969,813	781.469,016	19,074	18,608	68	68	68.173	2.470,238	21.180,668	8,574	8,108
19	19	98.496	38.978,061	740.499,203	18,998	18,531	69	69	65.800	2.270,720	18.710,430	8,240	7,773
20	20	98.389	37.081,782	701.521,143	18,918	18,452	70	70	63.288	2.080,020	16.439,710	7,904	7,437
21	21	98.283	35.277,987	664.439,361	18,834	18,368	71	71	60.609	1.897,124	14.359,690	7,569	7,103
22	22	98.182	33.563,525	629.161,374	18,745	18,279	72	72	57.749	1.721,518	12.462,566	7,239	6,773
23	23	98.081	31.932,514	595.597,848	18,652	18,185	73	73	54.711	1.553,302	10.741,048	6,915	6,449
24	24	97.983	30.381,447	563.665,335	18,553	18,087	74	74	51.518	1.392,991	9.187,746	6,596	6,129
25	25	97.886	28.905,862	533.283,887	18,449	17,983	75	75	48.208	1.241,419	7.794,755	6,279	5,813
26	26	97.790	27.502,487	504.378,025	18,339	17,873	76	76	44.787	1.098,403	6.553,335	5,966	5,500
27	27	97.693	26.166,784	476.875,539	18,224	17,758	77	77	41.321	965,140	5.454,933	5,652	5,186
28	28	97.594	24.895,668	450.708,754	18,104	17,638	78	78	37.788	840,602	4.489,793	5,341	4,875
29	29	97.494	23.685,699	425.813,087	17,978	17,511	79	79	34.179	724,107	3.649,190	5,040	4,573
30	30	97.396	22.535,345	402.127,388	17,844	17,378	80	80	30.561	616,623	2.925,084	4,744	4,277
31	31	97.293	21.439,532	379.592,043	17,705	17,239	81	81	26.911	517,134	2.308,461	4,464	3,998
32	32	97.182	20.395,189	358.152,511	17,561	17,094	82	82	23.325	426,871	1.791,327	4,196	3,730
33	33	97.068	19.401,176	337.757,322	17,409	16,943	83	83	19.770	344,577	1.364,457	3,960	3,493
34	34	96.944	18.453,725	318.356,146	17,252	16,785	84	84	16.483	273,610	1.019,879	3,727	3,261
35	35	96.806	17.549,959	299.902,421	17,088	16,622	85	85	13.487	213,217	746,269	3,500	3,034
36	36	96.655	16.688,207	282.352,462	16,919	16,453	86	86	10.885	163,884	533,052	3,253	2,786
37	37	96.491	15.866,613	265.664,254	16,744	16,277	87	87	8.491	121,754	369,168	3,032	2,566
38	38	96.316	15.083,548	249.797,642	16,561	16,095	88	88	6.365	86,927	247,413	2,846	2,380
39	39	96.116	14.335,454	234.714,094	16,373	15,907	89	89	4.613	59,999	160,487	2,675	2,208
40	40	95.891	13.620,862	220.378,640	16,179	15,713	90	90	3.223	39,921	100,487	2,517	2,051
41	41	95.642	12.938,642	206.757,778	15,980	15,513	91	91	2.173	25,635	60,566	2,363	1,896
42	42	95.366	12.286,950	193.819,135	15,774	15,308	92	92	1.390	15,619	34,931	2,236	1,770
43	43	95.049	11.662,917	181.532,185	15,565	15,099	93	93	851	9,102	19,312	2,122	1,655
44	44	94.691	11.065,661	169.869,268	15,351	14,885	94	94	497	5,061	10,210	2,017	1,551
45	45	94.305	10.495,820	158.803,608	15,130	14,664	95	95	276	2,678	5,148	1,922	1,456
46	46	93.866	9.949,456	148.307,788	14,906	14,440	96	96	146	1,345	2,470	1,836	1,370
47	47	93.379	9.426,549	138.358,332	14,678	14,211	97	97	73	0,640	1,125	1,758	1,291
48	48	92.848	8.926,624	128.931,783	14,444	13,977	98	98	34	0,288	0,485	1,687	1,220
49	49	92.273	8.448,890	120.005,159	14,204	13,737	99	99	15	0,122	0,197	1,622	1,155
							100	100	6	0,048	0,076	1,563	1,097

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -1 Jahr

Zinsfuß 5,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	1	99.620	99.620,306	1.994.982,185	20,026	19,559	50	51	91.406	7.970,977	110.542,888	13,868	13,402
1	2	99.130	94.409,803	1.895.361,879	20,076	19,609	51	52	90.701	7.532,810	102.571,912	13,617	13,150
2	3	99.071	89.860,004	1.800.952,076	20,042	19,575	52	53	89.958	7.115,361	95.039,102	13,357	12,890
3	4	99.034	85.549,039	1.711.092,073	20,001	19,535	53	54	89.148	6.715,519	87.923,741	13,093	12,626
4	5	99.003	81.449,891	1.625.543,034	19,958	19,491	54	55	88.280	6.333,425	81.208,222	12,822	12,356
5	6	98.977	77.550,783	1.544.093,143	19,911	19,444	55	56	87.348	5.968,190	74.874,797	12,546	12,079
6	7	98.954	73.840,970	1.466.542,360	19,861	19,394	56	57	86.346	5.618,795	68.906,606	12,264	11,797
7	8	98.934	70.310,413	1.392.701,390	19,808	19,341	57	58	85.288	5.285,630	63.287,811	11,974	11,507
8	9	98.912	66.947,603	1.322.390,977	19,753	19,286	58	59	84.143	4.966,344	58.002,181	11,679	11,213
9	10	98.894	63.747,921	1.255.443,374	19,694	19,227	59	60	82.917	4.660,959	53.035,837	11,379	10,912
10	11	98.876	60.701,519	1.191.695,453	19,632	19,166	60	61	81.594	4.368,173	48.374,878	11,074	10,608
11	12	98.858	57.800,117	1.130.993,934	19,567	19,101	61	62	80.221	4.090,181	44.006,704	10,759	10,293
12	13	98.835	55.035,104	1.073.193,816	19,500	19,034	62	63	78.759	3.824,403	39.916,523	10,437	9,971
13	14	98.813	52.402,462	1.018.158,712	19,430	18,963	63	64	77.170	3.568,787	36.092,120	10,113	9,647
14	15	98.788	49.894,821	965.756,250	19,356	18,889	64	65	75.498	3.325,233	32.523,333	9,781	9,314
15	16	98.752	47.501,622	915.861,430	19,281	18,814	65	66	73.700	3.091,452	29.198,100	9,445	8,978
16	17	98.708	45.219,390	868.359,808	19,203	18,737	66	67	71.753	2.866,480	26.106,648	9,108	8,641
17	18	98.649	43.040,119	823.140,418	19,125	18,659	67	68	69.665	2.650,524	23.240,168	8,768	8,302
18	19	98.570	40.958,030	780.100,299	19,046	18,580	68	69	67.393	2.441,984	20.589,644	8,432	7,965
19	20	98.468	38.967,256	739.142,269	18,968	18,502	69	70	64.960	2.241,750	18.147,660	8,095	7,629
20	21	98.358	37.070,070	700.175,013	18,888	18,421	70	71	62.388	2.050,455	15.905,910	7,757	7,291
21	22	98.259	35.269,356	663.104,943	18,801	18,335	71	72	59.622	1.866,367	13.855,455	7,424	6,957
22	23	98.155	33.554,438	627.835,588	18,711	18,245	72	73	56.707	1.690,481	11.989,087	7,092	6,626
23	24	98.056	31.924,182	594.281,150	18,615	18,149	73	74	53.596	1.521,658	10.298,607	6,768	6,302
24	25	97.957	30.373,193	562.356,967	18,515	18,049	74	75	50.345	1.361,285	8.776,949	6,448	5,981
25	26	97.861	28.898,749	531.983,774	18,409	17,942	75	76	46.958	1.209,232	7.415,664	6,133	5,666
26	27	97.762	27.494,787	503.085,025	18,297	17,831	76	77	43.490	1.066,606	6.206,432	5,819	5,352
27	28	97.664	26.159,159	475.590,238	18,181	17,714	77	78	39.976	933,742	5.139,826	5,505	5,038
28	29	97.565	24.888,278	449.431,079	18,058	17,592	78	79	36.388	809,448	4.206,084	5,196	4,730
29	30	97.465	23.678,766	424.542,801	17,929	17,463	79	80	32.741	693,646	3.396,637	4,897	4,430
30	31	97.365	22.527,966	400.864,035	17,794	17,328	80	81	29.072	586,584	2.702,991	4,608	4,142
31	32	97.259	21.431,873	378.336,069	17,653	17,187	81	82	25.411	488,307	2.116,406	4,334	3,868
32	33	97.147	20.387,937	356.904,195	17,506	17,039	82	83	21.818	399,285	1.628,100	4,078	3,611
33	34	97.029	19.393,423	336.516,258	17,352	16,886	83	84	18.353	319,886	1.228,815	3,841	3,375
34	35	96.898	18.445,074	317.122,835	17,193	16,726	84	85	15.158	251,623	908,929	3,612	3,146
35	36	96.756	17.540,974	298.677,761	17,027	16,561	85	86	12.316	194,704	657,306	3,376	2,910
36	37	96.600	16.678,771	281.136,787	16,856	16,390	86	87	9.787	147,362	462,602	3,139	2,673
37	38	96.432	15.856,883	264.458,016	16,678	16,211	87	88	7.490	107,402	315,240	2,935	2,469
38	39	96.248	15.072,997	248.601,133	16,493	16,027	88	89	5.528	75,494	207,838	2,753	2,287
39	40	96.039	14.323,982	233.528,136	16,303	15,837	89	90	3.929	51,106	132,344	2,590	2,123
40	41	95.807	13.609,012	219.204,154	16,107	15,641	90	91	2.696	33,396	81,238	2,433	1,966
41	42	95.548	12.925,853	205.595,142	15,906	15,439	91	92	1.766	20,831	47,842	2,297	1,830
42	43	95.259	12.273,131	192.669,289	15,698	15,232	92	93	1.105	12,411	27,012	2,176	1,710
43	44	94.926	11.647,778	180.396,158	15,488	15,021	93	94	660	7,064	14,601	2,067	1,601
44	45	94.559	11.050,257	168.748,380	15,271	14,805	94	95	376	3,831	7,537	1,968	1,501
45	46	94.155	10.479,174	157.698,123	15,049	14,582	95	96	203	1,974	3,706	1,877	1,411
46	47	93.697	9.931,587	147.218,949	14,823	14,357	96	97	104	0,965	1,732	1,795	1,329
47	48	93.198	9.408,217	137.287,362	14,592	14,126	97	98	51	0,446	0,767	1,720	1,254
48	49	92.651	8.907,700	127.879,145	14,356	13,890	98	99	23	0,194	0,321	1,653	1,186
49	50	92.051	8.428,556	118.971,445	14,115	13,649	99	100	10	0,080	0,127	1,591	1,125
							100	101	4	0,031	0,047	1,535	1,069

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -2 Jahre

Zinsfuß 5,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	2	99.585	99.584,628	1.993.322,866	20,016	19,550	50	52	91.153	7.948,840	109.451,061	13,769	13,303
1	3	99.111	94.391,137	1.893.738,238	20,063	19,596	51	53	90.427	7.510,037	101.502,221	13,516	13,049
2	4	99.054	89.844,579	1.799.347,101	20,027	19,561	52	54	89.674	7.092,894	93.992,184	13,252	12,785
3	5	99.021	85.537,990	1.709.502,522	19,985	19,519	53	55	88.838	6.692,161	86.899,291	12,985	12,519
4	6	98.990	81.439,244	1.623.964,532	19,941	19,474	54	56	87.945	6.309,441	80.207,130	12,712	12,246
5	7	98.968	77.543,637	1.542.525,288	19,892	19,426	55	57	86.998	5.944,230	73.897,689	12,432	11,965
6	8	98.945	73.834,539	1.464.981,651	19,841	19,375	56	58	85.961	5.593,718	67.953,459	12,148	11,682
7	9	98.924	70.303,664	1.391.147,112	19,788	19,321	57	59	84.877	5.260,177	62.359,741	11,855	11,389
8	10	98.906	66.943,277	1.320.843,448	19,731	19,264	58	60	83.715	4.941,096	57.099,564	11,556	11,090
9	11	98.886	63.742,560	1.253.900,171	19,671	19,205	59	61	82.461	4.635,304	52.158,468	11,252	10,786
10	12	98.867	60.695,827	1.190.157,611	19,609	19,142	60	62	81.135	4.343,592	47.523,164	10,941	10,475
11	13	98.849	57.795,209	1.129.461,784	19,542	19,076	61	63	79.716	4.064,442	43.179,572	10,624	10,157
12	14	98.826	55.029,771	1.071.666,576	19,474	19,008	62	64	78.223	3.798,390	39.115,130	10,298	9,831
13	15	98.801	52.396,356	1.016.636,804	19,403	18,936	63	65	76.605	3.542,689	35.316,740	9,969	9,503
14	16	98.771	49.885,906	964.240,449	19,329	18,863	64	66	74.882	3.298,074	31.774,050	9,634	9,168
15	17	98.732	47.491,562	914.354,542	19,253	18,787	65	67	73.032	3.063,454	28.475,976	9,295	8,829
16	18	98.687	45.209,441	866.862,980	19,174	18,708	66	68	71.024	2.837,342	25.412,522	8,956	8,490
17	19	98.620	43.027,741	821.653,540	19,096	18,630	67	69	68.868	2.620,209	22.575,180	8,616	8,149
18	20	98.543	40.946,677	778.625,799	19,016	18,549	68	70	66.533	2.410,829	19.954,971	8,277	7,811
19	21	98.437	38.954,948	737.679,122	18,937	18,470	69	71	64.037	2.209,887	17.544,142	7,939	7,473
20	22	98.334	37.061,000	698.724,174	18,853	18,387	70	72	61.377	2.017,213	15.334,256	7,602	7,135
21	23	98.233	35.259,807	661.663,175	18,765	18,299	71	73	58.551	1.832,718	13.317,043	7,266	6,800
22	24	98.130	33.545,684	626.403,368	18,673	18,207	72	74	55.552	1.656,042	11.484,324	6,935	6,468
23	25	98.029	31.915,509	592.857,685	18,576	18,109	73	75	52.376	1.487,022	9.828,283	6,609	6,143
24	26	97.932	30.365,720	560.942,175	18,473	18,006	74	76	49.040	1.325,990	8.341,261	6,291	5,824
25	27	97.834	28.890,659	530.576,456	18,365	17,899	75	77	45.598	1.174,227	7.015,271	5,974	5,508
26	28	97.734	27.486,774	501.685,797	18,252	17,785	76	78	42.075	1.031,906	5.841,044	5,660	5,194
27	29	97.635	26.151,394	474.199,023	18,133	17,666	77	79	38.495	899,135	4.809,137	5,349	4,882
28	30	97.537	24.880,993	448.047,629	18,008	17,541	78	80	34.857	775,397	3.910,002	5,043	4,576
29	31	97.433	23.671,013	423.166,636	17,877	17,411	79	81	31.146	659,856	3.134,605	4,750	4,284
30	32	97.330	22.519,919	399.495,622	17,740	17,273	80	82	27.451	553,886	2.474,749	4,468	4,002
31	33	97.224	21.424,253	376.975,703	17,596	17,129	81	83	23.769	456,750	1.920,863	4,206	3,739
32	34	97.109	20.379,791	355.551,451	17,446	16,980	82	84	20.254	370,673	1.464,113	3,950	3,483
33	35	96.983	19.384,331	335.171,660	17,291	16,824	83	85	16.878	294,179	1.093,440	3,717	3,251
34	36	96.849	18.435,631	315.787,328	17,129	16,663	84	86	13.842	229,776	799,261	3,478	3,012
35	37	96.702	17.531,056	297.351,698	16,961	16,495	85	87	11.074	175,075	569,485	3,253	2,786
36	38	96.541	16.668,543	279.820,642	16,787	16,321	86	88	8.634	129,992	394,410	3,034	2,568
37	39	96.365	15.845,791	263.152,099	16,607	16,141	87	89	6.505	93,276	264,418	2,835	2,368
38	40	96.171	15.060,935	247.306,308	16,420	15,954	88	90	4.709	64,304	171,143	2,661	2,195
39	41	95.955	14.311,521	232.245,374	16,228	15,761	89	91	3.287	42,752	106,839	2,499	2,033
40	42	95.713	13.595,560	217.933,853	16,030	15,563	90	92	2.191	27,137	64,087	2,362	1,895
41	43	95.440	12.911,315	204.338,294	15,826	15,360	91	93	1.403	16,552	36,950	2,232	1,766
42	44	95.135	12.257,201	191.426,978	15,618	15,151	92	94	857	9,631	20,397	2,118	1,651
43	45	94.793	11.631,564	179.169,778	15,404	14,937	93	95	500	5,346	10,766	2,014	1,547
44	46	94.409	11.032,731	167.538,213	15,186	14,719	94	96	277	2,824	5,420	1,919	1,453
45	47	93.986	10.460,353	156.505,482	14,962	14,495	95	97	146	1,416	2,596	1,833	1,367
46	48	93.515	9.912,273	146.045,129	14,734	14,267	96	98	73	0,672	1,180	1,755	1,289
47	49	93.000	9.388,273	136.132,856	14,500	14,034	97	99	34	0,301	0,508	1,684	1,218
48	50	92.428	8.886,262	126.744,583	14,263	13,797	98	100	15	0,127	0,206	1,620	1,153
49	51	91.818	8.407,260	117.858,321	14,019	13,552	99	101	6	0,051	0,079	1,561	1,095
							100	102	2	0,019	0,028	1,508	1,041

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -3 Jahre

Zinsfuß 5,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	3	99.565	99.564,939	1.991.566,109	20,003	19,536	50	53	90.877	7.924,809	108.276,886	13,663	13,197
1	4	99.094	94.374,935	1.892.001,171	20,048	19,581	51	54	90.141	7.486,323	100.352,077	13,405	12,938
2	5	99.041	89.832,975	1.797.626,236	20,011	19,544	52	55	89.362	7.068,223	92.865,753	13,138	12,672
3	6	99.008	85.526,808	1.707.793,260	19,968	19,502	53	56	88.502	6.666,818	85.797,531	12,869	12,403
4	7	98.981	81.431,739	1.622.266,452	19,922	19,455	54	57	87.592	6.284,111	79.130,712	12,592	12,126
5	8	98.959	77.536,884	1.540.834,713	19,872	19,406	55	58	86.609	5.917,700	72.846,601	12,310	11,844
6	9	98.936	73.827,452	1.463.297,829	19,821	19,354	56	59	85.547	5.566,781	66.928,901	12,023	11,557
7	10	98.918	70.299,121	1.389.470,377	19,765	19,299	57	60	84.446	5.233,435	61.362,120	11,725	11,259
8	11	98.897	66.937,647	1.319.171,256	19,707	19,241	58	61	83.254	4.913,899	56.128,686	11,422	10,956
9	12	98.876	63.736,583	1.252.233,609	19,647	19,181	59	62	81.997	4.609,220	51.214,786	11,111	10,645
10	13	98.859	60.690,672	1.188.497,026	19,583	19,116	60	63	80.624	4.316,258	46.605,567	10,798	10,331
11	14	98.840	57.789,609	1.127.806,354	19,516	19,049	61	64	79.174	4.036,796	42.889,308	10,476	10,010
12	15	98.814	55.023,359	1.070.016,745	19,447	18,980	62	65	77.651	3.770,613	38.252,512	10,145	9,679
13	16	98.783	52.386,994	1.014.993,386	19,375	18,909	63	66	75.980	3.513,755	34.481,899	9,813	9,347
14	17	98.750	49.875,342	962.606,392	19,300	18,834	64	67	74.204	3.268,205	30.968,144	9,476	9,009
15	18	98.710	47.481,113	912.731,051	19,223	18,757	65	68	72.290	3.032,314	27.699,939	9,135	8,669
16	19	98.658	45.196,439	865.249,938	19,144	18,678	66	69	70.212	2.804,890	24.667,625	8,795	8,328
17	20	98.593	43.015,813	820.053,499	19,064	18,598	67	70	67.990	2.586,780	21.862,735	8,452	7,985
18	21	98.512	40.933,743	777.037,685	18,983	18,516	68	71	65.588	2.376,563	19.275,956	8,111	7,644
19	22	98.413	38.945,416	736.103,942	18,901	18,435	69	72	62.999	2.174,059	16.899,393	7,773	7,307
20	23	98.307	37.050,966	697.158,526	18,816	18,350	70	73	60.270	1.980,844	14.725,333	7,434	6,967
21	24	98.207	35.250,607	660.107,560	18,726	18,260	71	74	57.358	1.795,382	12.744,489	7,098	6,632
22	25	98.103	33.536,570	624.856,953	18,632	18,166	72	75	54.288	1.618,347	10.949,108	6,766	6,299
23	26	98.005	31.907,656	591.320,383	18,532	18,066	73	76	51.018	1.448,467	9.330,760	6,442	5,975
24	27	97.905	30.357,218	559.412,727	18,428	17,961	74	77	47.620	1.287,605	7.882,293	6,122	5,655
25	28	97.806	28.882,239	529.055,508	18,318	17,851	75	78	44.115	1.136,026	6.594,688	5,805	5,339
26	29	97.705	27.478,616	500.173,269	18,202	17,736	76	79	40.516	993,662	5.458,662	5,493	5,027
27	30	97.607	26.143,739	472.694,654	18,081	17,614	77	80	36.875	861,312	4.465,000	5,184	4,718
28	31	97.505	24.872,847	446.550,915	17,953	17,487	78	81	33.159	737,624	3.603,688	4,886	4,419
29	32	97.398	23.662,558	421.678,068	17,820	17,354	79	82	29.410	623,073	2.866,064	4,600	4,133
30	33	97.295	22.511,911	398.015,510	17,680	17,214	80	83	25.677	518,092	2.242,991	4,329	3,863
31	34	97.185	21.415,692	375.503,599	17,534	17,068	81	84	22.066	424,020	1.724,899	4,068	3,602
32	35	97.063	20.370,236	354.087,907	17,383	16,916	82	85	18.626	340,885	1.300,879	3,816	3,350
33	36	96.934	19.374,408	333.717,670	17,225	16,758	83	86	15.413	268,637	959,994	3,574	3,107
34	37	96.794	18.425,206	314.343,263	17,061	16,594	84	87	12.447	206,611	691,357	3,346	2,880
35	38	96.642	17.520,305	295.918,057	16,890	16,424	85	88	9.769	154,438	484,746	3,139	2,672
36	39	96.474	16.656,883	278.397,751	16,714	16,247	86	89	7.498	112,894	330,308	2,926	2,459
37	40	96.288	15.833,110	261.740,868	16,531	16,065	87	90	5.541	79,450	217,414	2,736	2,270
38	41	96.088	15.047,832	245.907,758	16,342	15,875	88	91	3.939	53,792	137,964	2,565	2,098
39	42	95.860	14.297,374	230.859,926	16,147	15,681	89	92	2.671	34,740	84,171	2,423	1,956
40	43	95.605	13.580,269	216.562,553	15,947	15,480	90	93	1.741	21,564	49,431	2,292	1,826
41	44	95.316	12.894,556	202.982,284	15,742	15,275	91	94	1.089	12,845	27,867	2,170	1,703
42	45	95.003	12.240,139	190.087,727	15,530	15,063	92	95	649	7,289	15,023	2,061	1,594
43	46	94.643	11.613,116	177.847,589	15,314	14,848	93	96	368	3,941	7,733	1,962	1,496
44	47	94.239	11.012,917	166.234,472	15,095	14,628	94	97	199	2,025	3,792	1,872	1,406
45	48	93.804	10.440,011	155.221,556	14,868	14,402	95	98	102	0,987	1,767	1,791	1,324
46	49	93.317	9.891,260	144.781,544	14,637	14,171	96	99	49	0,454	0,780	1,717	1,250
47	50	92.776	9.365,678	134.890,284	14,403	13,936	97	100	22	0,197	0,326	1,649	1,183
48	51	92.195	8.863,810	125.524,607	14,161	13,695	98	101	10	0,081	0,128	1,588	1,121
49	52	91.563	8.383,911	116.660,797	13,915	13,448	99	102	4	0,031	0,047	1,532	1,066
							100	103	1	0,011	0,016	1,481	1,015

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -4 Jahre

Zinsfuß 5,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	4	99.548	99.547,849	1.989.688,338	19,987	19,521	50	54	90.590	7.899,786	107.016,378	13,547	13,080
1	5	99.081	94.362,746	1.890.140,489	20,031	19,564	51	55	89.828	7.460,284	99.116,592	13,286	12,819
2	6	99.028	89.821,232	1.795.777,743	19,993	19,526	52	56	89.024	7.041,457	91.656,308	13,017	12,550
3	7	98.999	85.518,927	1.705.956,511	19,948	19,482	53	57	88.146	6.640,053	84.614,851	12,743	12,277
4	8	98.972	81.424,648	1.620.437,583	19,901	19,435	54	58	87.201	6.256,064	77.974,798	12,464	11,997
5	9	98.949	77.529,441	1.539.012,936	19,851	19,384	55	59	86.192	5.889,203	71.718,734	12,178	11,712
6	10	98.929	73.822,681	1.461.483,495	19,797	19,331	56	60	85.112	5.538,480	65.829,531	11,886	11,419
7	11	98.910	70.293,209	1.387.660,814	19,741	19,275	57	61	83.981	5.204,629	60.291,051	11,584	11,118
8	12	98.888	66.931,370	1.317.367,604	19,682	19,216	58	62	82.786	4.886,247	55.086,422	11,274	10,807
9	13	98.868	63.731,170	1.250.436,234	19,620	19,154	59	63	81.481	4.580,214	50.200,175	10,960	10,494
10	14	98.849	60.684,792	1.186.705,064	19,555	19,089	60	64	80.076	4.286,906	45.619,961	10,642	10,175
11	15	98.828	57.782,875	1.126.020,273	19,487	19,021	61	65	78.595	4.007,276	41.333,061	10,315	9,848
12	16	98.796	55.013,528	1.068.237,398	19,418	18,951	62	66	77.017	3.739,817	37.325,785	9,981	9,514
13	17	98.763	52.375,900	1.013.223,870	19,345	18,879	63	67	75.292	3.481,932	33.585,968	9,646	9,179
14	18	98.728	49.864,368	960.847,970	19,269	18,803	64	68	73.449	3.234,984	30.104,035	9,306	8,839
15	19	98.681	47.467,458	910.983,602	19,192	18,725	65	69	71.463	2.997,632	26.869,052	8,963	8,497
16	20	98.631	45.183,910	863.516,144	19,111	18,645	66	70	69.316	2.769,104	23.871,420	8,621	8,154
17	21	98.562	43.002,227	818.332,234	19,030	18,564	67	71	67.023	2.550,012	21.102,316	8,275	7,809
18	22	98.488	40.923,728	775.330,008	18,946	18,479	68	72	64.524	2.338,033	18.552,303	7,935	7,469
19	23	98.386	38.934,872	734.406,279	18,862	18,396	69	73	61.863	2.134,863	16.214,270	7,595	7,129
20	24	98.282	37.041,299	695.471,407	18,776	18,309	70	74	59.042	1.940,490	14.079,407	7,256	6,789
21	25	98.180	35.241,031	658.430,108	18,684	18,217	71	75	56.053	1.754,516	12.138,917	6,919	6,452
22	26	98.079	33.528,318	623.189,078	18,587	18,121	72	76	52.880	1.576,388	10.384,402	6,587	6,121
23	27	97.978	31.898,723	589.660,760	18,485	18,019	73	77	49.542	1.406,537	8.808,014	6,262	5,796
24	28	97.877	30.348,371	557.762,037	18,379	17,912	74	78	46.071	1.245,716	7.401,477	5,942	5,475
25	29	97.776	28.873,666	527.413,666	18,266	17,800	75	79	42.480	1.093,923	6.155,762	5,627	5,161
26	30	97.676	27.470,572	498.540,000	18,148	17,682	76	80	38.812	951,862	5.061,839	5,318	4,851
27	31	97.575	26.135,179	471.069,427	18,024	17,558	77	81	35.079	819,354	4.109,977	5,016	4,550
28	32	97.470	24.863,962	444.934,248	17,895	17,428	78	82	31.311	696,506	3.290,623	4,724	4,258
29	33	97.364	23.654,144	420.070,286	17,759	17,292	79	83	27.509	582,807	2.594,116	4,451	3,985
30	34	97.256	22.502,916	396.416,142	17,616	17,150	80	84	23.837	480,966	2.011,309	4,182	3,715
31	35	97.140	21.405,652	373.913,226	17,468	17,002	81	85	20.293	389,945	1.530,343	3,925	3,458
32	36	97.013	20.359,808	352.507,574	17,314	16,847	82	86	17.009	311,288	1.140,398	3,663	3,197
33	37	96.879	19.363,452	332.147,766	17,153	16,687	83	87	13.859	241,555	829,110	3,432	2,966
34	38	96.735	18.413,907	312.784,314	16,986	16,520	84	88	10.980	182,256	587,555	3,224	2,757
35	39	96.575	17.508,049	294.370,407	16,813	16,347	85	89	8.484	134,125	405,299	3,022	2,555
36	40	96.396	16.643,553	276.862,357	16,635	16,168	86	90	6.387	96,161	271,174	2,820	2,354
37	41	96.204	15.819,335	260.218,804	16,449	15,983	87	91	4.635	66,463	175,013	2,633	2,167
38	42	95.993	15.032,957	244.399,468	16,258	15,791	88	92	3.201	43,712	108,550	2,483	2,017
39	43	95.753	14.281,294	229.366,511	16,061	15,594	89	93	2.122	27,605	64,839	2,349	1,882
40	44	95.481	13.562,642	215.085,217	15,859	15,392	90	94	1.351	16,734	37,234	2,225	1,759
41	45	95.184	12.876,607	201.522,576	15,650	15,184	91	95	824	9,722	20,500	2,109	1,642
42	46	94.852	12.220,726	188.645,969	15,437	14,970	92	96	478	5,374	10,778	2,006	1,539
43	47	94.473	11.592,260	176.425,243	15,219	14,753	93	97	264	2,827	5,405	1,912	1,446
44	48	94.056	10.991,500	164.832,984	14,996	14,530	94	98	138	1,411	2,578	1,827	1,361
45	49	93.605	10.417,879	153.841,483	14,767	14,301	95	99	69	0,667	1,167	1,750	1,283
46	50	93.092	9.867,454	143.423,604	14,535	14,069	96	100	32	0,298	0,500	1,679	1,213
47	51	92.542	9.342,014	133.556,150	14,296	13,830	97	101	14	0,125	0,202	1,615	1,149
48	52	91.939	8.839,193	124.214,135	14,053	13,586	98	102	6	0,049	0,077	1,557	1,091
49	53	91.287	8.358,565	115.374,943	13,803	13,337	99	103	2	0,018	0,028	1,504	1,038
							100	104	1	0,006	0,009	1,456	0,990

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -5 Jahre

Zinsfuß 5,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	5	99.535	99.534,992	1.987.679,039	19,970	19,503	50	55	90.275	7.872,308	105.664,587	13,422	12,956
1	6	99.068	94.350,410	1.888.144,047	20,012	19,546	51	56	89.487	7.432,033	97.792,279	13,158	12,692
2	7	99.019	89.812,956	1.793.793,636	19,973	19,506	52	57	88.666	7.013,187	90.360,246	12,884	12,418
3	8	98.990	85.511,479	1.703.980,681	19,927	19,461	53	58	87.753	6.610,418	83.347,059	12,608	12,142
4	9	98.963	81.416,831	1.618.469,202	19,879	19,412	54	59	86.781	6.225,937	76.736,641	12,325	11,859
5	10	98.943	77.524,431	1.537.052,370	19,827	19,360	55	60	85.754	5.859,263	70.510,704	12,034	11,568
6	11	98.921	73.816,473	1.459.527,939	19,772	19,306	56	61	84.644	5.507,995	64.651,440	11,738	11,271
7	12	98.900	70.286,617	1.385.711,465	19,715	19,249	57	62	83.508	5.175,340	59.143,445	11,428	10,962
8	13	98.880	66.925,686	1.315.424,848	19,655	19,189	58	63	82.265	4.855,498	53.968,105	11,115	10,648
9	14	98.858	63.724,995	1.248.499,162	19,592	19,126	59	64	80.926	4.549,061	49.112,606	10,796	10,330
10	15	98.838	60.677,720	1.184.774,168	19,526	19,059	60	65	79.490	4.255,550	44.563,546	10,472	10,005
11	16	98.811	57.772,551	1.124.096,447	19,457	18,991	61	66	77.953	3.974,547	40.307,995	10,142	9,675
12	17	98.775	55.001,878	1.066.323,896	19,387	18,921	62	67	76.320	3.705,947	36.333,448	9,804	9,338
13	18	98.741	52.364,376	1.011.322,019	19,313	18,847	63	68	74.526	3.446,538	32.627,501	9,467	9,000
14	19	98.700	49.850,027	958.957,643	19,237	18,770	64	69	72.609	3.197,983	29.180,962	9,125	8,658
15	20	98.654	47.454,300	909.107,615	19,158	18,691	65	70	70.552	2.959,388	25.982,979	8,780	8,313
16	21	98.600	45.169,639	861.653,316	19,076	18,610	66	71	68.331	2.729,745	23.023,592	8,434	7,968
17	22	98.538	42.991,705	816.483,677	18,992	18,525	67	72	65.937	2.508,671	20.293,846	8,089	7,623
18	23	98.461	40.912,648	773.491,972	18,906	18,440	68	73	63.361	2.295,881	17.785,175	7,747	7,280
19	24	98.361	38.924,714	732.579,324	18,820	18,354	69	74	60.603	2.091,371	15.489,295	7,406	6,940
20	25	98.255	37.031,236	693.654,610	18,732	18,265	70	75	57.698	1.896,321	13.397,924	7,065	6,599
21	26	98.156	35.232,359	656.623,374	18,637	18,171	71	76	54.600	1.709,025	11.501,603	6,730	6,264
22	27	98.052	33.518,931	621.391,015	18,539	18,072	72	77	51.349	1.530,754	9.792,578	6,397	5,931
23	28	97.949	31.889,427	587.872,084	18,435	17,968	73	78	47.930	1.360,778	8.261,824	6,071	5,605
24	29	97.847	30.339,363	555.982,658	18,325	17,859	74	79	44.363	1.199,547	6.901,045	5,753	5,287
25	30	97.748	28.865,215	525.643,294	18,210	17,744	75	80	40.693	1.047,906	5.701,499	5,441	4,974
26	31	97.644	27.461,578	496.778,080	18,090	17,624	76	81	36.921	905,493	4.653,593	5,139	4,673
27	32	97.540	26.125,844	469.316,502	17,964	17,497	77	82	33.124	773,680	3.748,100	4,845	4,378
28	33	97.435	24.855,121	443.190,658	17,831	17,365	78	83	29.287	651,495	2.974,420	4,566	4,099
29	34	97.325	23.644,692	418.335,537	17,693	17,226	79	84	25.538	541,044	2.322,925	4,293	3,827
30	35	97.211	22.492,366	394.690,845	17,548	17,081	80	85	21.922	442,315	1.781,880	4,029	3,562
31	36	97.090	21.394,693	372.198,478	17,397	16,930	81	86	18.531	356,089	1.339,565	3,762	3,295
32	37	96.958	20.348,295	350.803,785	17,240	16,774	82	87	15.294	279,905	983,477	3,514	3,047
33	38	96.820	19.351,578	330.455,490	17,076	16,610	83	88	12.225	213,081	703,571	3,302	2,835
34	39	96.667	18.401,027	311.103,912	16,907	16,440	84	89	9.535	158,285	490,490	3,099	2,632
35	40	96.497	17.494,038	292.702,886	16,732	16,265	85	90	7.226	114,244	332,206	2,908	2,441
36	41	96.313	16.629,074	275.208,847	16,550	16,083	86	91	5.343	80,442	217,962	2,710	2,243
37	42	96.109	15.803,698	258.579,773	16,362	15,896	87	92	3.766	54,008	137,520	2,546	2,080
38	43	95.885	15.016,050	242.776,075	16,168	15,701	88	93	2.543	34,734	83,512	2,404	1,938
39	44	95.628	14.262,756	227.760,025	15,969	15,502	89	94	1.647	21,422	48,778	2,277	1,811
40	45	95.348	13.543,762	213.497,268	15,764	15,297	90	95	1.022	12,665	27,356	2,160	1,694
41	46	95.033	12.856,185	199.953,506	15,553	15,087	91	96	608	7,167	14,691	2,050	1,583
42	47	94.682	12.198,777	187.097,322	15,337	14,871	92	97	343	3,854	7,524	1,952	1,486
43	48	94.289	11.569,717	174.898,544	15,117	14,651	93	98	184	1,969	3,670	1,864	1,397
44	49	93.857	10.968,199	163.328,828	14,891	14,425	94	99	94	0,954	1,701	1,783	1,317
45	50	93.379	10.392,806	152.360,628	14,660	14,194	95	100	45	0,437	0,747	1,710	1,243
46	51	92.857	9.842,523	141.967,822	14,424	13,958	96	101	20	0,189	0,310	1,643	1,177
47	52	92.285	9.316,069	132.125,299	14,183	13,716	97	102	9	0,077	0,121	1,583	1,116
48	53	91.661	8.812,470	122.809,230	13,936	13,469	98	103	3	0,029	0,045	1,527	1,061
49	54	90.998	8.332,173	113.996,760	13,682	13,215	99	104	1	0,010	0,015	1,477	1,011
							100	105	0	0,003	0,005	1,432	0,965

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -6 Jahre

Zinsfuß 5,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	6	99.522	99.521,980	1.985.525,649	19,951	19,484	50	56	89.933	7.842,497	104.218,069	13,289	12,822
1	7	99.059	94.341,716	1.886.003,669	19,991	19,525	51	57	89.128	7.402,196	96.375,572	13,020	12,553
2	8	99.010	89.805,134	1.791.661,953	19,951	19,484	52	58	88.271	6.981,887	88.973,377	12,743	12,277
3	9	98.981	85.503,271	1.701.856,819	19,904	19,438	53	59	87.330	6.578,585	81.991,490	12,463	11,997
4	10	98.956	81.411,571	1.616.353,548	19,854	19,388	54	60	86.340	6.194,286	75.412,905	12,175	11,708
5	11	98.935	77.517,912	1.534.941,977	19,801	19,335	55	61	85.282	5.827,012	69.218,619	11,879	11,413
6	12	98.912	73.809,551	1.457.424,065	19,746	19,279	56	62	84.167	5.477,000	63.391,607	11,574	11,108
7	13	98.892	70.280,648	1.383.614,514	19,687	19,221	57	63	82.983	5.142,773	57.914,607	11,261	10,795
8	14	98.870	66.919,201	1.313.333,866	19,626	19,159	58	64	81.705	4.822,472	52.771,835	10,943	10,476
9	15	98.847	63.717,569	1.246.414,665	19,562	19,095	59	65	80.335	4.515,794	47.949,362	10,618	10,152
10	16	98.820	60.666,879	1.182.697,096	19,495	19,029	60	66	78.841	4.220,794	43.433,568	10,290	9,824
11	17	98.790	57.760,316	1.122.030,217	19,426	18,959	61	67	77.247	3.938,551	39.212,775	9,956	9,490
12	18	98.754	54.989,776	1.064.269,901	19,354	18,888	62	68	75.544	3.668,276	35.274,223	9,616	9,150
13	19	98.712	52.349,317	1.009.280,125	19,280	18,813	63	69	73.674	3.407,118	31.605,947	9,276	8,810
14	20	98.672	49.836,209	956.930,808	19,202	18,735	64	70	71.683	3.157,183	28.198,829	8,932	8,465
15	21	98.623	47.439,311	907.094,599	19,121	18,655	65	71	69.549	2.917,324	25.041,646	8,584	8,117
16	22	98.576	45.158,587	859.655,288	19,036	18,570	66	72	67.223	2.685,490	22.124,321	8,238	7,772
17	23	98.511	42.980,066	814.496,702	18,951	18,484	67	73	64.748	2.463,442	19.438,831	7,891	7,425
18	24	98.435	40.901,974	771.516,636	18,863	18,396	68	74	62.070	2.249,108	16.975,390	7,548	7,081
19	25	98.334	38.914,139	730.614,662	18,775	18,309	69	75	59.223	2.043,768	14.726,282	7,205	6,739
20	26	98.231	37.022,123	691.700,523	18,683	18,217	70	76	56.202	1.847,154	12.682,514	6,866	6,400
21	27	98.129	35.222,495	654.678,400	18,587	18,121	71	77	53.019	1.659,552	10.835,360	6,529	6,063
22	28	98.023	33.509,163	619.455,905	18,486	18,020	72	78	49.679	1.480,955	9.175,808	6,196	5,729
23	29	97.920	31.879,961	585.946,742	18,380	17,913	73	79	46.153	1.310,345	7.694,854	5,872	5,406
24	30	97.819	30.330,483	554.066,781	18,268	17,801	74	80	42.497	1.149,086	6.384,508	5,556	5,090
25	31	97.716	28.855,764	523.736,298	18,150	17,684	75	81	38.711	996,858	5.235,422	5,252	4,786
26	32	97.610	27.451,768	494.880,534	18,027	17,561	76	82	34.863	855,017	4.238,564	4,957	4,491
27	33	97.505	26.116,554	467.428,766	17,898	17,431	77	83	30.983	723,682	3.383,547	4,675	4,209
28	34	97.396	24.845,189	441.312,212	17,762	17,296	78	84	27.188	604,810	2.659,866	4,398	3,931
29	35	97.279	23.633,607	416.467,023	17,622	17,155	79	85	23.486	497,565	2.055,055	4,130	3,664
30	36	97.161	22.480,851	392.833,415	17,474	17,008	80	86	20.018	403,911	1.557,490	3,856	3,390
31	37	97.035	21.382,595	370.352,564	17,320	16,854	81	87	16.663	320,190	1.153,579	3,603	3,136
32	38	96.899	20.335,817	348.969,969	17,160	16,694	82	88	13.492	246,911	833,389	3,375	2,909
33	39	96.752	19.338,041	328.634,152	16,994	16,528	83	89	10.617	185,055	586,478	3,169	2,703
34	40	96.590	18.386,301	309.296,110	16,822	16,356	84	90	8.122	134,823	401,423	2,977	2,511
35	41	96.413	17.478,819	290.909,809	16,644	16,177	85	91	6.045	95,570	266,600	2,790	2,323
36	42	96.217	16.612,636	273.430,990	16,459	15,993	86	92	4.341	65,367	171,031	2,616	2,150
37	43	96.001	15.785,924	256.818,354	16,269	15,802	87	93	2.993	42,915	105,663	2,462	1,996
38	44	95.760	14.996,559	241.032,430	16,073	15,606	88	94	1.974	26,954	62,748	2,328	1,862
39	45	95.495	14.242,903	226.035,871	15,870	15,404	89	95	1.247	16,213	35,795	2,208	1,741
40	46	95.197	13.522,282	211.792,968	15,663	15,196	90	96	754	9,337	19,581	2,097	1,631
41	47	94.862	12.833,095	198.270,687	15,450	14,984	91	97	436	5,140	10,244	1,993	1,527
42	48	94.498	12.175,055	185.437,591	15,231	14,765	92	98	239	2,685	5,104	1,901	1,435
43	49	94.089	11.545,190	173.262,536	15,007	14,541	93	99	124	1,331	2,419	1,817	1,351
44	50	93.631	10.941,802	161.717,347	14,780	14,313	94	100	61	0,625	1,088	1,741	1,274
45	51	93.144	10.366,548	150.775,545	14,544	14,078	95	101	29	0,277	0,463	1,672	1,205
46	52	92.599	9.815,188	140.408,997	14,305	13,839	96	102	13	0,116	0,186	1,608	1,142
47	53	92.006	9.287,905	130.593,809	14,061	13,594	97	103	5	0,045	0,070	1,551	1,085
48	54	91.371	8.784,644	121.305,905	13,809	13,342	98	104	2	0,017	0,025	1,499	1,032
49	55	90.682	8.303,191	112.521,260	13,552	13,085	99	105	1	0,006	0,008	1,451	0,985
							100	106					

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -7 Jahre

Zinsfuß 5,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	7	99.513	99.512,810	1.983.219,827	19,929	19,463	50	57	89.572	7.811,012	102.673,313	13,145	12,678
1	8	99.050	94.333,500	1.883.707,017	19,969	19,502	51	58	88.730	7.369,159	94.862,301	12,873	12,406
2	9	99.001	89.796,513	1.789.373,517	19,927	19,461	52	59	87.846	6.948,264	87.493,142	12,592	12,126
3	10	98.974	85.497,746	1.699.577,004	19,879	19,412	53	60	86.886	6.545,140	80.544,878	12,306	11,840
4	11	98.948	81.404,724	1.614.079,258	19,828	19,361	54	61	85.865	6.160,191	73.999,737	12,013	11,546
5	12	98.925	77.510,643	1.532.674,533	19,774	19,307	55	62	84.802	5.794,222	67.839,546	11,708	11,242
6	13	98.903	73.803,282	1.455.163,891	19,717	19,250	56	63	83.638	5.442,534	62.045,324	11,400	10,934
7	14	98.882	70.273,839	1.381.360,608	19,657	19,190	57	64	82.418	5.107,792	56.602,791	11,082	10,615
8	15	98.859	66.911,404	1.311.086,770	19,594	19,128	58	65	81.108	4.787,206	51.494,998	10,757	10,290
9	16	98.829	63.706,185	1.244.175,366	19,530	19,063	59	66	79.679	4.478,912	46.707,792	10,428	9,962
10	17	98.799	60.654,031	1.180.469,182	19,462	18,996	60	67	78.127	4.182,568	42.228,880	10,096	9,630
11	18	98.768	57.747,608	1.119.815,150	19,392	18,925	61	68	76.462	3.898,516	38.046,312	9,759	9,293
12	19	98.725	54.973,961	1.062.067,543	19,319	18,853	62	69	74.680	3.626,320	34.147,796	9,417	8,950
13	20	98.685	52.334,805	1.007.093,581	19,243	18,777	63	70	72.734	3.363,650	30.521,476	9,074	8,608
14	21	98.641	49.820,468	954.758,776	19,164	18,698	64	71	70.664	3.112,308	27.157,827	8,726	8,260
15	22	98.599	47.427,704	904.938,309	19,080	18,614	65	72	68.421	2.870,028	24.045,518	8,378	7,912
16	23	98.549	45.146,361	857.510,605	18,994	18,528	66	73	66.011	2.637,073	21.175,491	8,030	7,564
17	24	98.485	42.968,852	812.364,244	18,906	18,439	67	74	63.429	2.413,256	18.538,418	7,682	7,216
18	25	98.409	40.890,862	769.395,392	18,816	18,349	68	75	60.657	2.197,914	16.125,162	7,337	6,870
19	26	98.310	38.904,564	728.504,531	18,725	18,259	69	76	57.688	1.990,778	13.927,248	6,996	6,529
20	27	98.203	37.011,759	689.599,967	18,632	18,166	70	77	54.575	1.793,682	11.936,470	6,655	6,188
21	28	98.100	35.212,230	652.588,208	18,533	18,067	71	78	51.294	1.605,562	10.142,788	6,317	5,851
22	29	97.994	33.499,216	617.375,978	18,430	17,963	72	79	47.838	1.426,067	8.537,225	5,987	5,520
23	30	97.891	31.870,630	583.876,762	18,320	17,854	73	80	44.212	1.255,224	7.111,158	5,665	5,199
24	31	97.787	30.320,552	552.006,132	18,206	17,739	74	81	40.427	1.093,109	5.855,934	5,357	4,891
25	32	97.681	28.845,456	521.685,580	18,086	17,619	75	82	36.553	941,289	4.762,825	5,060	4,593
26	33	97.575	27.442,007	492.840,124	17,959	17,493	76	83	32.610	799,762	3.821,536	4,778	4,312
27	34	97.466	26.106,118	465.398,117	17,827	17,361	77	84	28.763	671,824	3.021,773	4,498	4,031
28	35	97.351	24.833,541	439.291,998	17,689	17,223	78	85	25.004	556,207	2.349,949	4,225	3,759
29	36	97.229	23.621,508	414.458,457	17,546	17,079	79	86	21.447	454,364	1.793,742	3,948	3,481
30	37	97.106	22.468,139	390.836,949	17,395	16,929	80	87	18.000	363,191	1.339,378	3,688	3,221
31	38	96.976	21.369,483	368.368,810	17,238	16,772	81	88	14.698	282,447	976,187	3,456	2,990
32	39	96.831	20.321,592	346.999,327	17,075	16,609	82	89	11.717	214,435	693,740	3,235	2,769
33	40	96.674	19.322,566	326.677,735	16,907	16,440	83	90	9.044	157,625	479,305	3,041	2,574
34	41	96.506	18.370,305	307.355,169	16,731	16,265	84	91	6.794	112,784	321,680	2,852	2,386
35	42	96.318	17.461,541	288.984,864	16,550	16,083	85	92	4.912	77,660	208,895	2,690	2,223
36	43	96.109	16.593,952	271.523,322	16,363	15,896	86	93	3.450	51,941	131,235	2,527	2,060
37	44	95.876	15.765,434	254.929,370	16,170	15,704	87	94	2.322	33,303	79,294	2,381	1,915
38	45	95.627	14.975,684	239.163,936	15,970	15,504	88	95	1.494	20,400	45,991	2,254	1,788
39	46	95.344	14.220,313	224.188,252	15,765	15,299	89	96	919	11,953	25,591	2,141	1,675
40	47	95.026	13.497,996	209.967,939	15,555	15,089	90	97	541	6,696	13,638	2,037	1,570
41	48	94.678	12.808,139	196.469,943	15,339	14,873	91	98	304	3,581	6,942	1,939	1,472
42	49	94.297	12.149,245	183.661,804	15,117	14,651	92	99	162	1,815	3,361	1,851	1,385
43	50	93.863	11.517,404	171.512,559	14,892	14,425	93	100	82	0,872	1,546	1,772	1,306
44	51	93.394	10.914,156	159.995,155	14,659	14,193	94	101	39	0,396	0,674	1,700	1,234
45	52	92.885	10.337,757	149.080,999	14,421	13,955	95	102	17	0,170	0,277	1,635	1,168
46	53	92.319	9.785,515	138.743,242	14,178	13,712	96	103	7	0,068	0,108	1,575	1,109
47	54	91.715	9.258,578	128.957,728	13,928	13,462	97	104	3	0,026	0,039	1,521	1,054
48	55	91.054	8.754,089	119.699,150	13,674	13,207	98	105	1	0,009	0,013	1,471	1,005
49	56	90.339	8.271,748	110.945,061	13,413	12,946	99	106					
							100	107					

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -8 Jahre

Zinsfuß 5,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	8	99.504	99.504,143	1.980.748,827	19,906	19,440	50	58	89.172	7.776,150	101.026,168	12,992	12,525
1	9	99.041	94.324,445	1.881.244,684	19,944	19,478	51	59	88.303	7.333,672	93.250,017	12,715	12,249
2	10	98.994	89.790,711	1.786.920,239	19,901	19,435	52	60	87.399	6.912,941	85.916,345	12,428	11,962
3	11	98.966	85.490,556	1.697.129,528	19,852	19,385	53	61	86.408	6.509,114	79.003,404	12,137	11,671
4	12	98.939	81.397,090	1.611.638,971	19,800	19,333	54	62	85.382	6.125,526	72.494,290	11,835	11,368
5	13	98.917	77.504,060	1.530.241,881	19,744	19,278	55	63	84.268	5.757,759	66.368,764	11,527	11,060
6	14	98.894	73.796,131	1.452.737,821	19,686	19,219	56	64	83.069	5.405,514	60.611,005	11,213	10,746
7	15	98.871	70.265,650	1.378.941,690	19,625	19,158	57	65	81.816	5.070,440	55.205,491	10,888	10,421
8	16	98.841	66.899,449	1.308.676,040	19,562	19,095	58	66	80.445	4.748,107	50.135,051	10,559	10,093
9	17	98.808	63.692,693	1.241.776,591	19,496	19,030	59	67	78.957	4.438,348	45.386,944	10,226	9,760
10	18	98.777	60.640,686	1.178.083,898	19,427	18,961	60	68	77.333	4.140,052	40.948,595	9,891	9,424
11	19	98.740	57.731,000	1.117.443,212	19,356	18,890	61	69	75.588	3.853,926	36.808,543	9,551	9,085
12	20	98.698	54.958,722	1.059.712,212	19,282	18,816	62	70	73.727	3.580,055	32.954,617	9,205	8,739
13	21	98.654	52.318,275	1.004.753,489	19,205	18,738	63	71	71.700	3.315,840	29.374,562	8,859	8,392
14	22	98.617	49.808,278	952.435,215	19,122	18,656	64	72	69.518	3.061,851	26.058,721	8,511	8,044
15	23	98.572	47.414,863	902.626,937	19,037	18,570	65	73	67.188	2.818,284	22.996,871	8,160	7,693
16	24	98.523	45.134,582	855.212,073	18,948	18,482	66	74	64.666	2.583,350	20.178,587	7,811	7,345
17	25	98.459	42.957,178	810.077,492	18,858	18,391	67	75	61.985	2.358,326	17.595,237	7,461	6,995
18	26	98.385	40.880,800	767.120,314	18,765	18,298	68	76	59.085	2.140,928	15.236,912	7,117	6,651
19	27	98.282	38.893,672	726.239,514	18,672	18,206	69	77	56.018	1.933,148	13.095,984	6,774	6,308
20	28	98.175	37.000,972	687.345,842	18,576	18,110	70	78	52.800	1.735,329	11.162,836	6,433	5,966
21	29	98.071	35.201,779	650.344,870	18,475	18,008	71	79	49.393	1.546,057	9.427,507	6,098	5,631
22	30	97.965	33.489,411	615.143,091	18,368	17,902	72	80	45.825	1.366,078	7.881,450	5,769	5,303
23	31	97.859	31.860,195	581.653,680	18,256	17,790	73	81	42.058	1.194,077	6.515,372	5,456	4,990
24	32	97.752	30.309,721	549.793,486	18,139	17,673	74	82	38.173	1.032,175	5.321,295	5,155	4,689
25	33	97.646	28.835,199	519.483,764	18,016	17,549	75	83	34.191	880,459	4.289,120	4,871	4,405
26	34	97.536	27.431,042	490.648,565	17,887	17,420	76	84	30.273	742,453	3.408,661	4,591	4,125
27	35	97.420	26.093,879	463.217,523	17,752	17,286	77	85	26.451	617,835	2.666,208	4,315	3,849
28	36	97.301	24.820,828	437.123,644	17,611	17,145	78	86	22.833	507,914	2.048,372	4,033	3,567
29	37	97.174	23.608,151	412.302,816	17,464	16,998	79	87	19.284	408,558	1.540,458	3,770	3,304
30	38	97.046	22.454,361	388.694,665	17,310	16,844	80	88	15.878	320,379	1.131,900	3,533	3,067
31	39	96.908	21.354,535	366.240,304	17,150	16,684	81	89	12.765	245,297	811,521	3,308	2,842
32	40	96.754	20.305,329	344.885,769	16,985	16,519	82	90	9.980	182,651	566,224	3,100	2,634
33	41	96.590	19.305,756	324.580,439	16,813	16,346	83	91	7.565	131,859	383,573	2,909	2,443
34	42	96.410	18.352,146	305.274,684	16,634	16,168	84	92	5.521	91,649	251,714	2,747	2,280
35	43	96.210	17.441,903	286.922,537	16,450	15,984	85	93	3.903	61,709	160,065	2,594	2,127
36	44	95.984	16.572,413	269.480,634	16,261	15,794	86	94	2.677	40,307	98,356	2,440	1,974
37	45	95.743	15.743,488	252.908,221	16,064	15,598	87	95	1.758	25,205	58,049	2,303	1,837
38	46	95.475	14.951,932	237.164,733	15,862	15,395	88	96	1.101	15,039	32,843	2,184	1,717
39	47	95.172	14.194,774	222.212,801	15,655	15,188	89	97	659	8,572	17,804	2,077	1,611
40	48	94.841	13.471,747	208.018,027	15,441	14,975	90	98	377	4,665	9,232	1,979	1,512
41	49	94.477	12.780,987	194.546,280	15,222	14,755	91	99	205	2,421	4,566	1,886	1,420
42	50	94.070	12.120,005	181.765,293	14,997	14,531	92	100	106	1,189	2,145	1,804	1,338
43	51	93.626	11.488,303	169.645,288	14,767	14,300	93	101	52	0,553	0,956	1,729	1,263
44	52	93.135	10.883,845	158.156,985	14,531	14,065	94	102	24	0,243	0,403	1,661	1,195
45	53	92.604	10.306,504	147.273,140	14,289	13,823	95	103	10	0,100	0,161	1,599	1,133
46	54	92.028	9.754,616	136.966,636	14,041	13,575	96	104	4	0,039	0,060	1,543	1,077
47	55	91.396	9.226,374	127.212,020	13,788	13,321	97	105	2	0,014	0,021	1,492	1,025
48	56	90.709	8.720,939	117.985,646	13,529	13,063	98	106					
49	57	89.976	8.238,540	109.264,707	13,263	12,796	99	107					
							100	108					

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -9 Jahre

Zinsfuß 5,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	9	99.495	99.494,592	1.978.102,999	19,882	19,415	50	59	88.743	7.738,703	99.274,310	12,828	12,362
1	10	99.034	94.318,350	1.878.608,407	19,918	19,451	51	60	87.854	7.296,389	91.535,607	12,545	12,079
2	11	98.986	89.783,160	1.784.290,057	19,873	19,407	52	61	86.918	6.874,890	84.239,218	12,253	11,787
3	12	98.957	85.482,539	1.694.506,897	19,823	19,356	53	62	85.922	6.472,485	77.364,327	11,953	11,486
4	13	98.930	81.390,178	1.609.024,358	19,769	19,303	54	63	84.845	6.086,978	70.891,842	11,646	11,180
5	14	98.907	77.496,550	1.527.634,180	19,712	19,246	55	64	83.695	5.718,596	64.804,864	11,332	10,866
6	15	98.882	73.787,532	1.450.137,630	19,653	19,186	56	65	82.461	5.365,985	59.086,268	11,011	10,545
7	16	98.853	70.253,096	1.376.350,097	19,591	19,125	57	66	81.147	5.029,028	53.720,283	10,682	10,216
8	17	98.820	66.885,281	1.306.097,002	19,527	19,061	58	67	79.717	4.705,106	48.691,255	10,349	9,882
9	18	98.787	63.678,680	1.239.211,721	19,460	18,994	59	68	78.154	4.393,233	43.986,149	10,012	9,546
10	19	98.749	60.623,246	1.175.533,041	19,391	18,924	60	69	76.448	4.092,700	39.592,917	9,674	9,208
11	20	98.712	57.714,997	1.114.909,795	19,318	18,851	61	70	74.623	3.804,757	35.500,217	9,330	8,864
12	21	98.667	54.941,363	1.057.194,798	19,242	18,776	62	71	72.679	3.529,170	31.695,460	8,981	8,515
13	22	98.630	52.305,474	1.002.253,435	19,162	18,695	63	72	70.538	3.262,083	28.166,290	8,634	8,168
14	23	98.590	49.794,793	949.947,961	19,077	18,611	64	73	68.265	3.006,648	24.904,207	8,283	7,817
15	24	98.546	47.402,492	900.153,168	18,990	18,523	65	74	65.819	2.760,869	21.897,559	7,931	7,465
16	25	98.496	45.122,320	852.750,676	18,899	18,432	66	75	63.194	2.524,548	19.136,690	7,580	7,114
17	26	98.434	42.946,608	807.628,356	18,805	18,339	67	76	60.378	2.297,180	16.612,142	7,232	6,765
18	27	98.357	40.869,355	764.681,748	18,710	18,244	68	77	57.374	2.078,952	14.314,962	6,886	6,419
19	28	98.254	38.882,337	723.812,393	18,615	18,149	69	78	54.195	1.870,258	12.236,010	6,542	6,076
20	29	98.145	36.989,990	684.930,056	18,517	18,050	70	79	50.843	1.671,014	10.365,752	6,203	5,737
21	30	98.042	35.191,475	647.940,067	18,412	17,945	71	80	47.315	1.481,020	8.694,738	5,871	5,404
22	31	97.933	33.478,446	612.748,592	18,303	17,836	72	81	43.593	1.299,530	7.213,718	5,551	5,085
23	32	97.824	31.848,814	579.270,146	18,188	17,722	73	82	39.714	1.127,514	5.914,187	5,245	4,779
24	33	97.717	30.298,944	547.421,332	18,067	17,601	74	83	35.707	965,472	4.786,673	4,958	4,491
25	34	97.607	28.823,678	517.122,388	17,941	17,474	75	84	31.741	817,367	3.821,201	4,675	4,209
26	35	97.490	27.418,182	488.298,711	17,809	17,343	76	85	27.840	682,788	3.003,834	4,399	3,933
27	36	97.370	26.080,520	460.880,529	17,671	17,205	77	86	24.155	564,192	2.321,046	4,114	3,648
28	37	97.246	24.806,792	434.800,009	17,527	17,061	78	87	20.531	456,709	1.756,854	3,847	3,380
29	38	97.115	23.593,674	409.993,216	17,377	16,911	79	88	17.011	360,398	1.300,145	3,608	3,141
30	39	96.979	22.438,654	386.399,542	17,220	16,754	80	89	13.790	278,241	939,747	3,377	2,911
31	40	96.830	21.337,446	363.960,888	17,057	16,591	81	90	10.873	208,938	661,506	3,166	2,700
32	41	96.670	20.287,664	342.623,442	16,888	16,422	82	91	8.349	152,794	452,568	2,962	2,496
33	42	96.495	19.286,672	322.335,778	16,713	16,246	83	92	6.148	107,149	299,774	2,798	2,331
34	43	96.302	18.331,506	303.049,106	16,532	16,065	84	93	4.387	72,825	192,625	2,645	2,179
35	44	96.085	17.419,263	284.717,600	16,345	15,879	85	94	3.029	47,887	119,800	2,502	2,035
36	45	95.851	16.549,344	267.298,337	16,152	15,685	86	95	2.026	30,507	71,913	2,357	1,891
37	46	95.591	15.718,519	250.748,993	15,952	15,486	87	96	1.296	18,582	41,406	2,228	1,762
38	47	95.304	14.925,079	235.030,474	15,747	15,281	88	97	790	10,786	22,824	2,116	1,650
39	48	94.987	14.167,170	220.105,395	15,536	15,070	89	98	459	5,973	12,038	2,016	1,549
40	49	94.640	13.443,188	205.938,225	15,319	14,853	90	99	255	3,154	6,066	1,923	1,457
41	50	94.250	12.750,227	192.495,037	15,097	14,631	91	100	134	1,586	2,912	1,836	1,370
42	51	93.833	12.089,382	179.744,810	14,868	14,402	92	101	67	0,754	1,326	1,759	1,292
43	52	93.366	11.456,398	167.655,428	14,634	14,168	93	102	32	0,339	0,572	1,688	1,222
44	53	92.853	10.850,941	156.199,031	14,395	13,929	94	103	14	0,144	0,233	1,624	1,158
45	54	92.312	10.273,961	145.348,090	14,147	13,681	95	104	6	0,057	0,090	1,566	1,099
46	55	91.707	9.720,687	135.074,129	13,896	13,429	96	105	2	0,021	0,032	1,512	1,046
47	56	91.050	9.191,435	125.353,442	13,638	13,172	97	106					
48	57	90.345	8.685,927	116.162,007	13,374	12,907	98	107					
49	58	89.574	8.201,770	107.476,080	13,104	12,638	99	108					
							100	109					

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -10 Jahre

Zinsfuß 5,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	10	99.488	99.488,163	1.975.273,920	19,854	19,388	50	60	88.292	7.699,361	97.414,713	12,652	12,186
1	11	99.026	94.310,419	1.875.785,758	19,889	19,423	51	61	87.371	7.256,228	89.715,352	12,364	11,898
2	12	98.977	89.774,740	1.781.475,339	19,844	19,377	52	62	86.429	6.836,203	82.459,124	12,062	11,596
3	13	98.948	85.475,279	1.691.700,599	19,792	19,325	53	63	85.381	6.431,755	75.622,921	11,758	11,291
4	14	98.921	81.382,292	1.606.225,319	19,737	19,270	54	64	84.267	6.045,576	69.191,166	11,445	10,979
5	15	98.896	77.487,520	1.524.843,028	19,679	19,212	55	65	83.083	5.676,777	63.145,591	11,123	10,657
6	16	98.865	73.774,349	1.447.355,508	19,619	19,152	56	66	81.788	5.322,159	57.468,814	10,798	10,332
7	17	98.832	70.238,218	1.373.581,159	19,556	19,090	57	67	80.412	4.983,482	52.146,655	10,464	9,997
8	18	98.798	66.870,565	1.303.342,941	19,491	19,024	58	68	78.906	4.657,278	47.163,173	10,127	9,660
9	19	98.758	63.660,366	1.236.472,376	19,423	18,957	59	69	77.260	4.342,985	42.505,895	9,787	9,321
10	20	98.722	60.606,441	1.172.812,010	19,351	18,885	60	70	75.473	4.040,484	38.162,910	9,445	8,979
11	21	98.681	57.696,767	1.112.205,569	19,277	18,810	61	71	73.563	3.750,678	34.122,426	9,098	8,631
12	22	98.643	54.927,921	1.054.508,802	19,198	18,732	62	72	71.501	3.471,954	30.371,747	8,748	8,281
13	23	98.603	52.291,313	999.580,881	19,116	18,649	63	73	69.266	3.203,271	26.899,793	8,398	7,931
14	24	98.565	49.781,801	947.289,568	19,029	18,562	64	74	66.874	2.945,396	23.696,523	8,045	7,579
15	25	98.520	47.389,614	897.507,767	18,939	18,473	65	75	64.321	2.698,027	20.751,127	7,691	7,225
16	26	98.472	45.111,216	850.118,153	18,845	18,379	66	76	61.556	2.459,093	18.053,101	7,341	6,875
17	27	98.407	42.934,584	805.006,937	18,750	18,283	67	77	58.630	2.230,631	15.594,008	6,991	6,524
18	28	98.328	40.857,444	762.072,352	18,652	18,186	68	78	55.508	2.011,318	13.363,327	6,644	6,178
19	29	98.225	38.870,796	721.214,908	18,554	18,088	69	79	52.187	1.800,942	11.352,009	6,303	5,837
20	30	98.117	36.979,162	682.344,112	18,452	17,986	70	80	48.704	1.600,721	9.551,067	5,967	5,500
21	31	98.010	35.179,952	645.364,950	18,345	17,878	71	81	45.010	1.408,873	7.950,346	5,643	5,177
22	32	97.898	33.466,487	610.184,997	18,233	17,766	72	82	41.163	1.227,090	6.541,472	5,331	4,864
23	33	97.790	31.837,489	576.718,510	18,114	17,648	73	83	37.147	1.054,649	5.314,383	5,039	4,573
24	34	97.678	30.286,837	544.881,021	17,991	17,524	74	84	33.148	896,288	4.259,734	4,753	4,286
25	35	97.561	28.810,165	514.594,184	17,862	17,395	75	85	29.190	751,682	3.363,445	4,475	4,008
26	36	97.440	27.404,145	485.784,019	17,727	17,260	76	86	25.423	623,506	2.611,763	4,189	3,722
27	37	97.315	26.065,773	458.379,874	17,586	17,119	77	87	21.720	507,313	1.988,257	3,919	3,453
28	38	97.186	24.791,580	432.314,102	17,438	16,972	78	88	18.111	402,874	1.480,944	3,676	3,210
29	39	97.047	23.577,170	407.522,521	17,285	16,818	79	89	14.774	312,996	1.078,071	3,444	2,978
30	40	96.901	22.420,698	383.945,351	17,125	16,658	80	90	11.746	236,998	765,075	3,228	2,762
31	41	96.746	21.318,882	361.524,654	16,958	16,492	81	91	9.096	174,785	528,076	3,021	2,555
32	42	96.574	20.267,610	340.205,771	16,786	16,319	82	92	6.784	124,161	353,292	2,845	2,379
33	43	96.386	19.264,981	319.938,161	16,607	16,141	83	93	4.885	85,142	229,131	2,691	2,225
34	44	96.177	18.307,712	300.673,180	16,423	15,957	84	94	3.404	56,513	143,989	2,548	2,082
35	45	95.951	17.395,015	282.365,469	16,233	15,766	85	95	2.293	36,244	87,477	2,414	1,947
36	46	95.699	16.523,097	264.970,453	16,036	15,570	86	96	1.494	22,490	51,233	2,278	1,812
37	47	95.419	15.690,289	248.447,357	15,834	15,368	87	97	929	13,326	28,743	2,157	1,690
38	48	95.118	14.896,055	232.757,068	15,625	15,159	88	98	550	7,515	15,416	2,051	1,585
39	49	94.786	14.137,137	217.861,013	15,411	14,944	89	99	310	4,038	7,901	1,957	1,491
40	50	94.412	13.410,834	203.723,877	15,191	14,725	90	100	167	2,066	3,864	1,870	1,404
41	51	94.011	12.718,011	190.313,043	14,964	14,498	91	101	85	1,005	1,798	1,788	1,322
42	52	93.572	12.055,807	177.595,031	14,731	14,265	92	102	41	0,462	0,792	1,715	1,249
43	53	93.084	11.421,763	165.539,224	14,493	14,027	93	103	19	0,200	0,330	1,649	1,182
44	54	92.560	10.816,678	154.117,462	14,248	13,782	94	104	8	0,082	0,130	1,588	1,122
45	55	91.991	10.238,225	143.300,783	13,997	13,530	95	105	3	0,031	0,048	1,533	1,067
46	56	91.360	9.683,877	133.062,558	13,741	13,274	96	106					
47	57	90.685	9.154,534	123.378,681	13,477	13,011	97	107					
48	58	89.941	8.647,161	114.224,147	13,209	12,743	98	108					
49	59	89.143	8.162,273	105.576,987	12,935	12,468	99	109					
							100	110					

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -11 Jahre

Zinsfuß 5,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	11	99.480	99.479,797	1.972.248,757	19,826	19,359	50	61	87.806	7.656,982	95.443,716	12,465	11,999
1	12	99.017	94.301,574	1.872.768,960	19,859	19,393	51	62	86.879	7.215,395	87.786,734	12,167	11,700
2	13	98.968	89.767,116	1.778.467,386	19,812	19,346	52	63	85.885	6.793,183	80.571,340	11,861	11,394
3	14	98.939	85.466,997	1.688.700,270	19,759	19,292	53	64	84.800	6.388,007	73.778,156	11,549	11,083
4	15	98.909	81.372,809	1.603.233,272	19,702	19,236	54	65	83.651	6.001,365	67.390,149	11,229	10,763
5	16	98.878	77.473,675	1.521.860,464	19,644	19,177	55	66	82.405	5.630,413	61.388,784	10,903	10,437
6	17	98.844	73.758,725	1.444.386,788	19,583	19,116	56	67	81.047	5.273,958	55.758,371	10,572	10,106
7	18	98.810	70.222,764	1.370.628,063	19,518	19,052	57	68	79.595	4.932,825	50.484,413	10,234	9,768
8	19	98.770	66.851,333	1.300.405,299	19,452	18,986	58	69	78.004	4.604,010	45.551,588	9,894	9,427
9	20	98.731	63.642,719	1.233.553,966	19,382	18,916	59	70	76.275	4.287,576	40.947,578	9,550	9,084
10	21	98.690	60.587,298	1.169.911,246	19,310	18,843	60	71	74.400	3.983,055	36.660,002	9,204	8,738
11	22	98.657	57.682,650	1.109.323,948	19,232	18,765	61	72	72.370	3.689,871	32.676,947	8,856	8,389
12	23	98.616	54.913,050	1.051.641,298	19,151	18,685	62	73	70.212	3.409,358	28.987,075	8,502	8,036
13	24	98.577	52.277,670	996.728,248	19,066	18,600	63	74	67.855	3.138,013	25.577,718	8,151	7,685
14	25	98.538	49.768,277	944.450,579	18,977	18,511	64	75	65.352	2.878,353	22.439,705	7,796	7,330
15	26	98.495	47.377,953	894.682,302	18,884	18,418	65	76	62.653	2.628,073	19.561,352	7,443	6,977
16	27	98.445	45.098,587	847.304,349	18,788	18,321	66	77	59.774	2.387,906	16.933,279	7,091	6,625
17	28	98.378	42.922,072	802.205,762	18,690	18,223	67	78	56.723	2.158,111	14.545,372	6,740	6,273
18	29	98.299	40.845,317	759.283,690	18,589	18,123	68	79	53.450	1.936,774	12.387,261	6,396	5,929
19	30	98.196	38.859,418	718.438,373	18,488	18,022	69	80	49.992	1.725,184	10.450,487	6,058	5,591
20	31	98.085	36.967,055	679.578,955	18,383	17,917	70	81	46.332	1.522,743	8.725,303	5,730	5,264
21	32	97.975	35.167,386	642.611,900	18,273	17,807	71	82	42.501	1.330,337	7.202,561	5,414	4,948
22	33	97.863	33.454,587	607.444,514	18,157	17,691	72	83	38.503	1.147,790	5.872,223	5,116	4,650
23	34	97.751	31.824,768	573.989,927	18,036	17,570	73	84	34.485	979,075	4.724,433	4,825	4,359
24	35	97.632	30.272,638	542.165,159	17,909	17,443	74	85	30.484	824,261	3.745,358	4,544	4,077
25	36	97.511	28.795,415	511.892,521	17,777	17,310	75	86	26.655	686,418	2.921,097	4,256	3,789
26	37	97.385	27.388,649	483.097,106	17,639	17,172	76	87	22.860	560,647	2.234,679	3,986	3,519
27	38	97.256	26.049,789	455.708,457	17,494	17,027	77	88	19.159	447,512	1.674,032	3,741	3,274
28	39	97.118	24.774,238	429.658,669	17,343	16,877	78	89	15.729	349,885	1.226,520	3,505	3,039
29	40	96.969	23.558,302	404.884,430	17,186	16,720	79	90	12.584	266,602	876,635	3,288	2,822
30	41	96.817	22.401,192	381.326,128	17,023	16,556	80	91	9.826	198,258	610,033	3,077	2,611
31	42	96.650	21.297,809	358.924,936	16,853	16,386	81	92	7.391	142,030	411,775	2,899	2,433
32	43	96.465	20.244,816	337.627,127	16,677	16,211	82	93	5.391	98,659	269,745	2,734	2,268
33	44	96.261	19.239,975	317.382,312	16,496	16,030	83	94	3.791	66,071	171,085	2,589	2,123
34	45	96.043	18.282,227	298.142,337	16,308	15,841	84	95	2.577	42,772	105,015	2,455	1,989
35	46	95.799	17.367,427	279.860,110	16,114	15,648	85	96	1.690	26,720	62,242	2,329	1,863
36	47	95.527	16.493,422	262.492,683	15,915	15,449	86	97	1.071	16,129	35,523	2,202	1,736
37	48	95.233	15.659,777	245.999,262	15,709	15,243	87	98	648	9,285	19,393	2,089	1,622
38	49	94.917	14.864,476	230.339,485	15,496	15,030	88	99	372	5,080	10,108	1,990	1,523
39	50	94.558	14.103,112	215.475,009	15,279	14,812	89	100	203	2,645	5,028	1,901	1,435
40	51	94.174	13.376,950	201.371,897	15,054	14,587	90	101	106	1,310	2,383	1,819	1,353
41	52	93.750	12.682,690	187.994,947	14,823	14,357	91	102	52	0,616	1,073	1,742	1,276
42	53	93.289	12.019,360	175.312,256	14,586	14,119	92	103	24	0,273	0,457	1,674	1,207
43	54	92.790	11.385,698	163.292,897	14,342	13,876	93	104	11	0,114	0,184	1,611	1,145
44	55	92.238	10.779,055	151.907,199	14,093	13,626	94	105	4	0,045	0,070	1,554	1,088
45	56	91.642	10.199,455	141.128,143	13,837	13,370	95	106					
46	57	90.993	9.644,999	130.928,689	13,575	13,108	96	107					
47	58	90.280	9.113,677	121.283,690	13,308	12,841	97	108					
48	59	89.508	8.605,519	112.170,014	13,035	12,568	98	109					
49	60	88.690	8.120,778	103.564,495	12,753	12,287	99	110					
							100	111					

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -12 Jahre

Zinsfuß 5,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	12	99.470	99.470,467	1.969.019,569	19,795	19,329	50	62	87.312	7.613,894	93.358,906	12,262	11,795
1	13	99.008	94.293,565	1.869.549,101	19,827	19,360	51	63	86.332	7.169,989	85.745,012	11,959	11,492
2	14	98.959	89.758,418	1.775.255,536	19,778	19,312	52	64	85.301	6.746,977	78.575,023	11,646	11,180
3	15	98.927	85.457,038	1.685.497,117	19,723	19,257	53	65	84.180	6.341,293	71.828,046	11,327	10,861
4	16	98.891	81.358,270	1.600.040,079	19,667	19,200	54	66	82.968	5.952,350	65.486,754	11,002	10,535
5	17	98.857	77.457,268	1.518.681,809	19,607	19,140	55	67	81.658	5.579,420	59.534,403	10,670	10,204
6	18	98.822	73.742,497	1.441.224,541	19,544	19,078	56	68	80.223	5.220,348	53.954,983	10,336	9,869
7	19	98.782	70.202,568	1.367.482,044	19,479	19,013	57	69	78.685	4.876,405	48.734,635	9,994	9,528
8	20	98.742	66.832,802	1.297.279,475	19,411	18,944	58	70	77.009	4.545,272	43.858,229	9,649	9,183
9	21	98.700	63.622,617	1.230.446,673	19,340	18,873	59	71	75.191	4.226,634	39.312,958	9,301	8,835
10	22	98.666	60.572,474	1.166.824,056	19,263	18,797	60	72	73.194	3.918,480	35.086,323	8,954	8,488
11	23	98.630	57.667,033	1.106.251,582	19,183	18,717	61	73	71.065	3.623,346	31.167,843	8,602	8,136
12	24	98.590	54.898,722	1.048.584,548	19,100	18,634	62	74	68.781	3.339,901	27.544,497	8,247	7,781
13	25	98.551	52.263,467	993.685,826	19,013	18,547	63	75	66.310	3.066,586	24.204,596	7,893	7,427
14	26	98.514	49.756,030	941.422,359	18,921	18,454	64	76	63.658	2.803,725	21.138,010	7,539	7,073
15	27	98.468	47.364,689	891.666,329	18,826	18,359	65	77	60.839	2.551,995	18.334,285	7,184	6,718
16	28	98.416	45.085,444	844.301,640	18,727	18,260	66	78	57.829	2.310,222	15.782,290	6,832	6,365
17	29	98.349	42.909,332	799.216,196	18,626	18,159	67	79	54.620	2.078,127	13.472,068	6,483	6,016
18	30	98.270	40.833,361	756.306,864	18,522	18,055	68	80	51.202	1.855,302	11.393,941	6,141	5,675
19	31	98.164	38.846,695	715.473,503	18,418	17,951	69	81	47.556	1.641,142	9.538,640	5,812	5,346
20	32	98.050	36.953,850	676.626,808	18,310	17,844	70	82	43.749	1.437,859	7.897,497	5,493	5,026
21	33	97.940	35.154,881	639.672,958	18,196	17,729	71	83	39.755	1.244,365	6.459,638	5,191	4,725
22	34	97.824	33.441,220	604.518,077	18,077	17,611	72	84	35.744	1.065,542	5.215,273	4,894	4,428
23	35	97.705	31.809,848	571.076,858	17,953	17,486	73	85	31.714	900,395	4.149,731	4,609	4,142
24	36	97.582	30.257,140	539.267,010	17,823	17,356	74	86	27.837	752,695	3.249,336	4,317	3,851
25	37	97.456	28.779,132	509.009,870	17,687	17,220	75	87	23.968	617,217	2.496,641	4,045	3,579
26	38	97.325	27.371,854	480.230,738	17,545	17,078	76	88	20.165	494,559	1.879,424	3,800	3,334
27	39	97.188	26.031,567	452.858,884	17,397	16,930	77	89	16.639	388,652	1.384,864	3,563	3,097
28	40	97.040	24.754,413	426.827,317	17,242	16,776	78	90	13.397	298,023	996,212	3,343	2,876
29	41	96.885	23.537,807	402.072,905	17,082	16,616	79	91	10.527	223,023	698,189	3,131	2,664
30	42	96.721	22.379,049	378.535,098	16,915	16,448	80	92	7.985	161,105	475,166	2,949	2,483
31	43	96.542	21.273,856	356.156,049	16,741	16,275	81	93	5.873	112,858	314,061	2,783	2,316
32	44	96.340	20.218,537	334.882,194	16,563	16,097	82	94	4.183	76,561	201,203	2,628	2,162
33	45	96.127	19.213,192	314.663,656	16,377	15,911	83	95	2.869	50,006	124,642	2,493	2,026
34	46	95.891	18.253,231	295.450,464	16,186	15,720	84	96	1.900	31,533	74,636	2,367	1,901
35	47	95.627	17.336,235	277.197,232	15,989	15,523	85	97	1.212	19,162	43,103	2,249	1,783
36	48	95.341	16.461,348	259.860,997	15,786	15,320	86	98	746	11,238	23,941	2,130	1,664
37	49	95.032	15.626,579	243.399,650	15,576	15,110	87	99	438	6,277	12,703	2,024	1,557
38	50	94.688	14.828,701	227.773,071	15,360	14,894	88	100	244	3,328	6,426	1,931	1,465
39	51	94.319	14.067,479	212.944,369	15,137	14,671	89	101	129	1,677	3,098	1,848	1,381
40	52	93.912	13.339,799	198.876,890	14,909	14,442	90	102	65	0,803	1,421	1,771	1,305
41	53	93.467	12.644,348	185.537,092	14,674	14,207	91	103	31	0,364	0,619	1,698	1,232
42	54	92.995	11.981,408	172.892,743	14,430	13,964	92	104	14	0,156	0,254	1,634	1,168
43	55	92.467	11.346,096	160.911,335	14,182	13,716	93	105	6	0,063	0,099	1,575	1,109
44	56	91.889	10.738,236	149.565,240	13,928	13,462	94	106					
45	57	91.274	10.158,507	138.827,003	13,666	13,200	95	107					
46	58	90.587	9.601,952	128.668,496	13,400	12,934	96	108					
47	59	89.845	9.069,789	119.066,544	13,128	12,661	97	109					
48	60	89.053	8.561,770	109.996,756	12,847	12,381	98	110					
49	61	88.202	8.076,079	101.434,985	12,560	12,094	99	111					
							100	112					

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -13 Jahre

Zinsfuß 5,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	13	99.462	99.462,020	1.965.577,211	19,762	19,296	50	63	86.762	7.565,980	91.155,508	12,048	11,582
1	14	98.999	94.284,429	1.866.115,191	19,792	19,326	51	64	85.745	7.121,220	83.589,528	11,738	11,272
2	15	98.947	89.747,959	1.771.830,762	19,742	19,276	52	65	84.677	6.697,638	76.468,308	11,417	10,951
3	16	98.910	85.441,770	1.682.082,803	19,687	19,220	53	66	83.493	6.289,501	69.770,670	11,093	10,627
4	17	98.871	81.341,040	1.596.641,033	19,629	19,163	54	67	82.217	5.898,442	63.481,169	10,762	10,296
5	18	98.836	77.440,226	1.515.299,993	19,567	19,101	55	68	80.828	5.522,706	57.582,727	10,427	9,960
6	19	98.794	73.721,289	1.437.859,766	19,504	19,038	56	69	79.306	5.160,640	52.060,021	10,088	9,621
7	20	98.755	70.183,108	1.364.138,477	19,437	18,970	57	70	77.681	4.814,191	46.899,381	9,742	9,276
8	21	98.711	66.811,692	1.293.955,369	19,367	18,901	58	71	75.914	4.480,667	42.085,190	9,393	8,926
9	22	98.675	63.607,051	1.227.143,677	19,293	18,826	59	72	73.972	4.158,111	37.604,523	9,044	8,577
10	23	98.639	60.556,075	1.163.536,626	19,214	18,748	60	73	71.874	3.847,834	33.446,411	8,692	8,226
11	24	98.604	57.651,987	1.102.980,551	19,132	18,665	61	74	69.617	3.549,530	29.598,578	8,339	7,872
12	25	98.563	54.883,808	1.045.328,564	19,046	18,580	62	75	67.216	3.263,879	26.049,048	7,981	7,515
13	26	98.526	52.250,607	990.444,756	18,956	18,489	63	76	64.591	2.987,077	22.785,169	7,628	7,162
14	27	98.486	49.742,101	938.194,150	18,861	18,395	64	77	61.815	2.722,562	19.798,092	7,272	6,805
15	28	98.439	47.350,886	888.452,049	18,763	18,297	65	78	58.860	2.468,972	17.075,530	6,916	6,450
16	29	98.387	45.072,062	841.101,163	18,661	18,195	66	79	55.686	2.224,600	14.606,558	6,566	6,100
17	30	98.320	42.896,772	796.029,102	18,557	18,090	67	80	52.323	1.990,708	12.381,958	6,220	5,753
18	31	98.238	40.819,992	753.132,330	18,450	17,984	68	81	48.708	1.764,922	10.391,250	5,888	5,421
19	32	98.129	38.832,818	712.312,338	18,343	17,877	69	82	44.905	1.549,659	8.626,328	5,567	5,100
20	33	98.015	36.940,710	673.479,520	18,231	17,765	70	83	40.922	1.344,939	7.076,669	5,262	4,795
21	34	97.901	35.140,834	636.538,810	18,114	17,648	71	84	36.906	1.155,197	5.731,730	4,962	4,495
22	35	97.778	33.425,542	601.397,976	17,992	17,526	72	85	32.871	979,913	4.576,534	4,670	4,204
23	36	97.655	31.793,562	567.972,434	17,864	17,398	73	86	28.961	822,219	3.596,620	4,374	3,908
24	37	97.527	30.240,031	536.178,872	17,731	17,264	74	87	25.031	676,812	2.774,402	4,099	3,633
25	38	97.397	28.761,484	505.938,841	17,591	17,124	75	88	21.143	544,461	2.097,589	3,853	3,386
26	39	97.257	27.352,707	477.177,357	17,445	16,979	76	89	17.513	429,512	1.553,128	3,616	3,150
27	40	97.110	26.010,735	449.824,650	17,294	16,827	77	90	14.173	331,044	1.123,617	3,394	2,928
28	41	96.956	24.732,877	423.813,915	17,136	16,669	78	91	11.207	249,308	792,572	3,179	2,713
29	42	96.789	23.514,540	399.081,039	16,972	16,505	79	92	8.554	181,228	543,265	2,998	2,531
30	43	96.612	22.353,880	375.566,499	16,801	16,335	80	93	6.345	128,015	362,036	2,828	2,362
31	44	96.416	21.246,242	353.212,619	16,625	16,158	81	94	4.558	87,579	234,021	2,672	2,206
32	45	96.206	20.190,393	331.966,377	16,442	15,975	82	95	3.166	57,946	146,442	2,527	2,061
33	46	95.975	19.182,720	311.775,984	16,253	15,787	83	96	2.115	36,866	88,496	2,400	1,934
34	47	95.718	18.220,449	292.593,264	16,059	15,592	84	97	1.362	22,614	51,630	2,283	1,817
35	48	95.441	17.302,522	274.372,815	15,857	15,391	85	98	845	13,351	29,016	2,173	1,707
36	49	95.139	16.426,451	257.070,293	15,650	15,183	86	99	505	7,597	15,665	2,062	1,596
37	50	94.803	15.588,970	240.643,842	15,437	14,970	87	100	287	4,112	8,068	1,962	1,496
38	51	94.449	14.791,235	225.054,872	15,215	14,749	88	101	154	2,110	3,956	1,875	1,409
39	52	94.057	14.028,410	210.263,637	14,988	14,522	89	102	79	1,027	1,846	1,797	1,331
40	53	93.628	13.299,470	196.235,227	14,755	14,289	90	103	38	0,475	0,819	1,725	1,259
41	54	93.172	12.604,423	182.935,757	14,514	14,047	91	104	18	0,208	0,344	1,657	1,190
42	55	92.671	11.939,734	170.331,334	14,266	13,800	92	105	8	0,085	0,136	1,596	1,130
43	56	92.117	11.303,130	158.391,600	14,013	13,547	93	106					
44	57	91.520	10.695,125	147.088,471	13,753	13,286	94	107					
45	58	90.867	10.113,168	136.393,345	13,487	13,020	95	108					
46	59	90.151	9.555,713	126.280,177	13,215	12,749	96	109					
47	60	89.388	9.023,680	116.724,464	12,935	12,469	97	110					
48	61	88.563	8.514,644	107.700,784	12,649	12,182	98	111					
49	62	87.705	8.030,633	99.186,140	12,351	11,885	99	112					
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -14 Jahre

Zinsfuß 5,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	14	99.452	99.452,383	1.961.910,326	19,727	19,261	50	64	86.172	7.514,518	88.833,040	11,822	11,355
1	15	98.987	94.273,443	1.862.457,944	19,756	19,290	51	65	85.118	7.069,144	81.318,522	11,503	11,037
2	16	98.929	89.731,924	1.768.184,501	19,705	19,239	52	66	83.985	6.642,936	74.249,379	11,177	10,711
3	17	98.889	85.423,675	1.678.452,577	19,649	19,182	53	67	82.737	6.232,539	67.606,443	10,847	10,381
4	18	98.849	81.323,143	1.593.028,901	19,589	19,122	54	68	81.381	5.838,484	61.373,903	10,512	10,046
5	19	98.807	77.417,955	1.511.705,758	19,527	19,060	55	69	79.904	5.459,539	55.535,419	10,172	9,706
6	20	98.766	73.700,853	1.434.287,803	19,461	18,995	56	70	78.294	5.094,800	50.075,880	9,829	9,362
7	21	98.723	70.160,940	1.360.586,949	19,392	18,926	57	71	76.577	4.745,765	44.981,080	9,478	9,012
8	22	98.687	66.795,345	1.290.426,009	19,319	18,853	58	72	74.683	4.408,025	40.235,315	9,128	8,661
9	23	98.649	63.589,830	1.223.630,664	19,243	18,776	59	73	72.638	4.083,144	35.827,290	8,774	8,308
10	24	98.614	60.540,276	1.160.040,834	19,161	18,695	60	74	70.410	3.769,444	31.744,146	8,421	7,955
11	25	98.578	57.636,325	1.099.500,559	19,077	18,610	61	75	68.033	3.468,737	27.974,701	8,065	7,598
12	26	98.539	54.870,302	1.041.864,234	18,988	18,521	62	76	65.473	3.179,255	24.505,965	7,708	7,242
13	27	98.499	52.235,979	986.993,931	18,895	18,429	63	77	62.721	2.900,606	21.326,710	7,353	6,886
14	28	98.457	49.727,604	934.757,953	18,798	18,331	64	78	59.804	2.633,990	18.426,104	6,996	6,529
15	29	98.410	47.336,831	885.030,349	18,696	18,230	65	79	56.679	2.377,467	15.792,114	6,642	6,176
16	30	98.358	45.058,869	837.693,518	18,591	18,125	66	80	53.343	2.131,020	13.414,647	6,295	5,829
17	31	98.288	42.882,727	792.634,649	18,484	18,017	67	81	49.774	1.893,732	11.283,628	5,958	5,492
18	32	98.203	40.805,410	749.751,922	18,374	17,907	68	82	45.993	1.666,538	9.389,896	5,634	5,168
19	33	98.094	38.819,010	708.946,512	18,263	17,796	69	83	42.003	1.449,513	7.723,357	5,328	4,862
20	34	97.976	36.925,949	670.127,502	18,148	17,681	70	84	37.989	1.248,563	6.273,844	5,025	4,558
21	35	97.855	35.124,359	633.201,552	18,027	17,561	71	85	33.940	1.062,363	5.025,281	4,730	4,264
22	36	97.728	33.408,429	598.077,193	17,902	17,436	72	86	30.017	894,833	3.962,917	4,429	3,962
23	37	97.599	31.775,584	564.668,764	17,771	17,304	73	87	26.041	739,327	3.068,085	4,150	3,683
24	38	97.467	30.221,487	532.893,179	17,633	17,167	74	88	22.080	597,031	2.328,757	3,901	3,434
25	39	97.328	28.741,365	502.671,693	17,489	17,023	75	89	18.362	472,850	1.731,726	3,662	3,196
26	40	97.179	27.330,818	473.930,327	17,341	16,874	76	90	14.917	365,847	1.258,877	3,441	2,975
27	41	97.025	25.988,106	446.599,510	17,185	16,718	77	91	11.856	276,931	893,029	3,225	2,758
28	42	96.860	24.708,429	420.611,404	17,023	16,557	78	92	9.107	202,587	616,098	3,041	2,575
29	43	96.680	23.488,094	395.902,976	16,855	16,389	79	93	6.797	144,006	413,511	2,871	2,405
30	44	96.487	22.324,864	372.414,882	16,682	16,215	80	94	4.923	99,341	269,505	2,713	2,247
31	45	96.282	21.216,667	350.090,018	16,501	16,034	81	95	3.449	66,285	170,164	2,567	2,101
32	46	96.053	20.158,371	328.873,351	16,314	15,848	82	96	2.334	42,719	103,878	2,432	1,965
33	47	95.802	19.148,268	308.714,980	16,122	15,656	83	97	1.517	26,439	61,160	2,313	1,847
34	48	95.532	18.185,017	289.566,712	15,923	15,457	84	98	949	15,756	34,721	2,204	1,737
35	49	95.239	17.265,842	271.381,695	15,718	15,251	85	99	571	9,026	18,964	2,101	1,635
36	50	94.910	16.386,917	254.115,853	15,507	15,041	86	100	331	4,977	9,939	1,997	1,531
37	51	94.563	15.549,583	237.728,936	15,288	14,822	87	101	182	2,607	4,962	1,903	1,437
38	52	94.187	14.750,156	222.179,354	15,063	14,596	88	102	95	1,293	2,355	1,822	1,356
39	53	93.773	13.985,999	207.429,198	14,831	14,365	89	103	47	0,608	1,062	1,749	1,282
40	54	93.332	13.257,476	193.443,198	14,591	14,125	90	104	22	0,271	0,455	1,681	1,215
41	55	92.848	12.560,582	180.185,722	14,345	13,879	91	105	10	0,114	0,184	1,617	1,151
42	56	92.320	11.894,520	167.625,140	14,093	13,626	92	106					
43	57	91.747	11.257,751	155.730,620	13,833	13,367	93	107					
44	58	91.111	10.647,392	144.472,870	13,569	13,102	94	108					
45	59	90.429	10.064,467	133.825,478	13,297	12,830	95	109					
46	60	89.693	9.507,133	123.761,010	13,018	12,551	96	110					
47	61	88.896	8.974,011	114.253,877	12,732	12,265	97	111					
48	62	88.065	8.466,729	105.279,866	12,435	11,968	98	112					
49	63	87.153	7.980,097	96.813,136	12,132	11,665	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -15 Jahre

Zinsfuß 5,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	15	99.441	99.440,794	1.958.009,338	19,690	19,224	50	65	85.542	7.459,565	86.389,846	11,581	11,115
1	16	98.969	94.256,599	1.858.568,544	19,718	19,252	51	66	84.423	7.011,407	78.930,281	11,257	10,791
2	17	98.908	89.712,921	1.764.311,945	19,666	19,200	52	67	83.225	6.582,773	71.918,874	10,925	10,459
3	18	98.867	85.404,881	1.674.599,024	19,608	19,141	53	68	81.896	6.169,186	65.336,100	10,591	10,124
4	19	98.820	81.299,756	1.589.194,143	19,547	19,081	54	69	80.450	5.771,706	59.166,914	10,251	9,785
5	20	98.780	77.396,494	1.507.894,388	19,483	19,016	55	70	78.884	5.389,885	53.395,208	9,907	9,440
6	21	98.735	73.677,574	1.430.497,893	19,416	18,949	56	71	77.181	5.022,385	48.005,323	9,558	9,092
7	22	98.699	70.143,774	1.356.820,319	19,343	18,877	57	72	75.335	4.668,825	42.982,938	9,206	8,740
8	23	98.660	66.777,261	1.286.676,545	19,268	18,802	58	73	73.337	4.328,553	38.314,113	8,851	8,385
9	24	98.623	63.573,239	1.219.899,284	19,189	18,722	59	74	71.158	3.999,961	33.985,560	8,496	8,030
10	25	98.587	60.523,828	1.156.326,045	19,105	18,639	60	75	68.807	3.683,645	29.985,599	8,140	7,674
11	26	98.553	57.622,142	1.095.802,217	19,017	18,551	61	76	66.269	3.378,801	26.301,954	7,784	7,318
12	27	98.512	54.854,941	1.038.180,075	18,926	18,460	62	77	63.578	3.087,221	22.923,153	7,425	6,959
13	28	98.470	52.220,755	983.325,134	18,830	18,364	63	78	60.681	2.806,242	19.835,933	7,069	6,602
14	29	98.428	49.712,844	931.104,378	18,730	18,263	64	79	57.587	2.536,369	17.029,690	6,714	6,248
15	30	98.381	47.322,975	881.391,535	18,625	18,159	65	80	54.294	2.277,456	14.493,322	6,364	5,897
16	31	98.326	45.044,116	834.068,560	18,517	18,050	66	81	50.745	2.027,208	12.215,866	6,026	5,560
17	32	98.253	42.867,409	789.024,444	18,406	17,940	67	82	46.999	1.788,168	10.188,658	5,698	5,231
18	33	98.168	40.790,901	746.157,035	18,292	17,826	68	83	43.020	1.558,840	8.400,490	5,389	4,923
19	34	98.055	38.803,499	705.366,134	18,178	17,711	69	84	38.993	1.345,644	6.841,650	5,084	4,618
20	35	97.930	36.908,638	666.562,635	18,060	17,593	70	85	34.936	1.148,227	5.496,006	4,787	4,320
21	36	97.805	35.106,377	629.653,997	17,936	17,469	71	86	30.993	970,124	4.347,779	4,482	4,015
22	37	97.673	33.389,538	594.547,620	17,806	17,340	72	87	26.991	804,621	3.377,655	4,198	3,731
23	38	97.540	31.756,099	561.158,082	17,671	17,204	73	88	22.971	652,177	2.573,034	3,945	3,479
24	39	97.399	30.200,346	529.401,983	17,530	17,063	74	89	19.176	518,506	1.920,857	3,705	3,238
25	40	97.251	28.718,365	499.201,637	17,383	16,916	75	90	15.640	402,761	1.402,351	3,482	3,015
26	41	97.095	27.307,040	470.483,272	17,229	16,763	76	91	12.479	306,045	999,590	3,266	2,800
27	42	96.930	25.962,417	443.176,232	17,070	16,604	77	92	9.634	225,034	693,545	3,082	2,616
28	43	96.751	24.680,640	417.213,815	16,904	16,438	78	93	7.237	160,978	468,510	2,910	2,444
29	44	96.555	23.457,606	392.533,175	16,734	16,267	79	94	5.275	111,750	307,532	2,752	2,286
30	45	96.352	22.293,787	369.075,569	16,555	16,089	80	95	3.726	75,187	195,782	2,604	2,138
31	46	96.129	21.183,017	346.781,782	16,371	15,904	81	96	2.543	48,867	120,595	2,468	2,001
32	47	95.881	20.122,167	325.598,765	16,181	15,715	82	97	1.674	30,636	71,728	2,341	1,875
33	48	95.616	19.111,032	305.476,598	15,984	15,518	83	98	1.057	18,421	41,092	2,231	1,764
34	49	95.330	18.146,466	286.365,566	15,781	15,314	84	99	642	10,652	22,671	2,128	1,662
35	50	95.009	17.224,288	268.219,101	15,572	15,106	85	100	374	5,913	12,019	2,033	1,566
36	51	94.670	16.345,513	250.994,813	15,356	14,889	86	101	210	3,155	6,106	1,935	1,469
37	52	94.301	15.506,398	234.649,300	15,132	14,666	87	102	111	1,597	2,951	1,848	1,382
38	53	93.902	14.705,563	219.142,902	14,902	14,436	88	103	56	0,764	1,354	1,772	1,305
39	54	93.477	13.941,838	204.437,339	14,664	14,197	89	104	27	0,346	0,590	1,703	1,236
40	55	93.008	13.211,363	190.495,501	14,419	13,953	90	105	12	0,149	0,243	1,639	1,173
41	56	92.496	12.513,017	177.284,137	14,168	13,702	91	106					
42	57	91.950	11.846,767	164.771,121	13,909	13,442	92	107					
43	58	91.337	11.207,506	152.924,354	13,645	13,178	93	108					
44	59	90.673	10.596,118	141.716,848	13,374	12,908	94	109					
45	60	89.970	10.013,302	131.120,729	13,095	12,628	95	110					
46	61	89.199	9.454,804	121.107,428	12,809	12,343	96	111					
47	62	88.396	8.923,511	111.652,624	12,512	12,046	97	112					
48	63	87.511	8.413,449	102.729,113	12,210	11,744	98						
49	64	86.560	7.925,817	94.315,664	11,900	11,433	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -16 Jahre

Zinsfuß 5,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	16	99.423	99.423,027	1.953.865,138	19,652	19,186	50	66	84.843	7.398,640	83.824,302	11,330	10,863
1	17	98.948	94.236,638	1.854.442,111	19,679	19,212	51	67	83.658	6.947,908	76.425,662	11,000	10,533
2	18	98.887	89.693,183	1.760.205,473	19,625	19,158	52	68	82.379	6.515,860	69.477,754	10,663	10,196
3	19	98.838	85.380,319	1.670.512,290	19,566	19,099	53	69	80.959	6.098,625	62.961,894	10,324	9,858
4	20	98.793	81.277,219	1.585.131,972	19,503	19,036	54	70	79.424	5.698,070	56.863,269	9,979	9,513
5	21	98.749	77.372,048	1.503.854,753	19,437	18,970	55	71	77.763	5.313,276	51.165,199	9,630	9,163
6	22	98.711	73.659,548	1.426.482,705	19,366	18,899	56	72	75.930	4.940,961	45.851,923	9,280	8,814
7	23	98.673	70.124,783	1.352.823,157	19,292	18,825	57	73	73.977	4.584,650	40.910,962	8,923	8,457
8	24	98.635	66.759,839	1.282.698,374	19,214	18,747	58	74	71.843	4.240,370	36.326,312	8,567	8,100
9	25	98.596	63.555,967	1.215.938,535	19,132	18,665	59	75	69.538	3.908,915	32.085,942	8,208	7,742
10	26	98.563	60.508,935	1.152.382,568	19,045	18,578	60	76	67.023	3.588,137	28.177,027	7,853	7,386
11	27	98.526	57.606,010	1.091.873,633	18,954	18,488	61	77	64.351	3.280,990	24.588,890	7,494	7,028
12	28	98.483	54.838,955	1.034.267,623	18,860	18,394	62	78	61.509	2.986,786	21.307,900	7,134	6,668
13	29	98.441	52.205,255	979.428,668	18,761	18,295	63	79	58.432	2.702,237	18.321,114	6,780	6,314
14	30	98.399	49.698,293	927.223,413	18,657	18,191	64	80	55.165	2.429,673	15.618,877	6,428	5,962
15	31	98.349	47.307,481	877.525,120	18,549	18,083	65	81	51.649	2.166,511	13.189,204	6,088	5,621
16	32	98.291	45.028,025	830.217,640	18,438	17,971	66	82	47.916	1.914,204	11.022,693	5,758	5,292
17	33	98.218	42.852,166	785.189,614	18,323	17,857	67	83	43.962	1.672,609	9.108,489	5,446	4,979
18	34	98.129	40.774,602	742.337,448	18,206	17,739	68	84	39.938	1.447,137	7.435,880	5,138	4,672
19	35	98.009	38.785,307	701.562,846	18,088	17,622	69	85	35.860	1.237,506	5.988,743	4,839	4,373
20	36	97.879	36.889,742	662.777,539	17,966	17,500	70	86	31.903	1.048,532	4.751,237	4,531	4,065
21	37	97.750	35.086,526	625.887,797	17,838	17,372	71	87	27.869	872,322	3.702,705	4,245	3,778
22	38	97.613	33.369,063	590.801,271	17,705	17,239	72	88	23.809	709,774	2.830,383	3,988	3,521
23	39	97.471	31.733,885	557.432,208	17,566	17,099	73	89	19.950	566,398	2.120,609	3,744	3,278
24	40	97.321	30.176,178	525.698,323	17,421	16,955	74	90	16.334	441,650	1.554,211	3,519	3,053
25	41	97.166	28.693,380	495.522,144	17,270	16,803	75	91	13.084	336,925	1.112,561	3,302	2,836
26	42	96.999	27.280,048	466.828,764	17,112	16,646	76	92	10.140	248,692	775,635	3,119	2,652
27	43	96.821	25.933,218	439.548,716	16,949	16,483	77	93	7.656	178,815	526,943	2,947	2,480
28	44	96.626	24.648,604	413.615,499	16,780	16,314	78	94	5.616	124,920	348,129	2,787	2,320
29	45	96.420	23.424,953	388.966,895	16,605	16,138	79	95	3.992	84,579	223,208	2,639	2,173
30	46	96.200	22.258,429	365.541,943	16,423	15,956	80	96	2.747	55,430	138,629	2,501	2,035
31	47	95.957	21.144,973	343.283,513	16,235	15,768	81	97	1.824	35,046	83,199	2,374	1,908
32	48	95.694	20.083,036	322.138,540	16,040	15,574	82	98	1.166	21,346	48,154	2,256	1,789
33	49	95.413	19.070,518	302.055,504	15,839	15,372	83	99	714	12,453	26,808	2,153	1,686
34	50	95.100	18.102,792	282.984,986	15,632	15,166	84	100	420	6,978	14,355	2,057	1,591
35	51	94.769	17.180,768	264.882,194	15,417	14,951	85	101	237	3,748	7,377	1,968	1,502
36	52	94.407	16.300,118	247.701,426	15,196	14,730	86	102	128	1,933	3,629	1,877	1,411
37	53	94.016	15.459,519	231.401,308	14,968	14,502	87	103	66	0,945	1,696	1,795	1,329
38	54	93.606	14.659,130	215.941,790	14,731	14,264	88	104	32	0,436	0,751	1,724	1,257
39	55	93.151	13.893,345	201.282,660	14,488	14,021	89	105	15	0,190	0,315	1,659	1,193
40	56	92.656	13.161,334	187.389,315	14,238	13,771	90	106					
41	57	92.125	12.462,780	174.227,981	13,980	13,513	91	107					
42	58	91.539	11.793,894	161.765,201	13,716	13,250	92	108					
43	59	90.898	11.153,535	149.971,307	13,446	12,980	93	109					
44	60	90.212	10.542,250	138.817,772	13,168	12,701	94	110					
45	61	89.474	9.958,186	128.275,522	12,881	12,415	95	111					
46	62	88.697	9.401,598	118.317,336	12,585	12,118	96	112					
47	63	87.840	8.867,356	108.915,738	12,283	11,816	97						
48	64	86.915	8.356,222	100.048,381	11,973	11,507	98						
49	65	85.927	7.867,857	91.692,159	11,654	11,188	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -17 Jahre

Zinsfuß 5,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	17	99.402	99.401,972	1.949.472,762	19,612	19,146	50	67	84.075	7.331,634	81.137,477	11,067	10,600
1	18	98.927	94.215,904	1.850.070,790	19,637	19,170	51	68	82.808	6.877,282	73.805,843	10,732	10,265
2	19	98.858	89.667,388	1.755.854,887	19,582	19,115	52	69	81.437	6.441,334	66.928,561	10,390	9,924
3	20	98.811	85.356,651	1.666.187,499	19,520	19,054	53	70	79.926	6.020,818	60.487,227	10,046	9,580
4	21	98.762	81.251,547	1.580.830,848	19,456	18,990	54	71	78.295	5.617,080	54.466,409	9,697	9,230
5	22	98.724	77.353,118	1.499.579,301	19,386	18,920	55	72	76.502	5.227,136	48.849,329	9,345	8,879
6	23	98.684	73.639,605	1.422.226,184	19,313	18,847	56	73	74.561	4.851,879	43.622,193	8,991	8,524
7	24	98.647	70.106,487	1.348.586,579	19,236	18,770	57	74	72.470	4.491,250	38.770,313	8,632	8,166
8	25	98.608	66.741,701	1.278.480,092	19,156	18,689	58	75	70.208	4.143,852	34.279,063	8,272	7,806
9	26	98.572	63.540,328	1.211.738,390	19,070	18,604	59	76	67.735	3.807,566	30.135,212	7,915	7,448
10	27	98.535	60.491,995	1.148.198,062	18,981	18,515	60	77	65.083	3.484,267	26.327,645	7,556	7,090
11	28	98.497	57.589,222	1.087.706,067	18,887	18,421	61	78	62.257	3.174,251	22.843,378	7,196	6,730
12	29	98.454	54.822,677	1.030.116,845	18,790	18,324	62	79	59.230	2.876,089	19.669,127	6,839	6,372
13	30	98.412	52.189,974	975.294,167	18,687	18,221	63	80	55.974	2.588,564	16.793,038	6,487	6,021
14	31	98.367	49.682,021	923.104,193	18,580	18,114	64	81	52.478	2.311,313	14.204,474	6,146	5,679
15	32	98.314	47.290,582	873.422,173	18,469	18,003	65	82	48.770	2.045,741	11.893,161	5,814	5,347
16	33	98.256	45.012,015	826.131,591	18,354	17,887	66	83	44.820	1.790,500	9.847,419	5,500	5,033
17	34	98.179	42.835,043	781.119,576	18,236	17,769	67	84	40.812	1.552,753	8.056,919	5,189	4,722
18	35	98.083	40.755,486	738.284,533	18,115	17,649	68	85	36.728	1.330,842	6.504,166	4,887	4,421
19	36	97.958	38.765,451	697.529,047	17,994	17,527	69	86	32.746	1.130,060	5.173,323	4,578	4,112
20	37	97.824	36.868,882	658.763,596	17,868	17,401	70	87	28.687	942,825	4.043,263	4,288	3,822
21	38	97.690	35.065,010	621.894,714	17,735	17,269	71	88	24.584	769,494	3.100,438	4,029	3,563
22	39	97.545	33.345,721	586.829,703	17,598	17,132	72	89	20.678	616,419	2.330,943	3,781	3,315
23	40	97.393	31.708,490	553.483,982	17,455	16,989	73	90	16.993	482,444	1.714,524	3,554	3,087
24	41	97.237	30.149,926	521.775,493	17,306	16,840	74	91	13.664	369,457	1.232,080	3,335	2,868
25	42	97.070	28.665,017	491.625,567	17,151	16,684	75	92	10.632	273,786	862,623	3,151	2,684
26	43	96.890	27.249,366	462.960,550	16,990	16,523	76	93	8.058	197,613	588,837	2,980	2,513
27	44	96.695	25.899,556	435.711,183	16,823	16,357	77	94	5.941	138,762	391,224	2,819	2,353
28	45	96.491	24.614,293	409.811,627	16,649	16,183	78	95	4.250	94,547	252,462	2,670	2,204
29	46	96.267	23.387,800	385.197,335	16,470	16,004	79	96	2.943	62,354	157,915	2,533	2,066
30	47	96.027	22.218,454	361.809,534	16,284	15,818	80	97	1.970	39,752	95,561	2,404	1,938
31	48	95.770	21.103,853	339.591,081	16,091	15,625	81	98	1.271	24,418	55,809	2,286	1,819
32	49	95.492	20.040,462	318.487,227	15,892	15,426	82	99	788	14,430	31,391	2,175	1,709
33	50	95.184	19.024,620	298.446,766	15,687	15,221	83	100	468	8,158	16,961	2,079	1,613
34	51	94.860	18.057,053	279.422,146	15,474	15,008	84	101	266	4,423	8,803	1,990	1,524
35	52	94.506	17.133,053	261.365,093	15,255	14,789	85	102	145	2,297	4,380	1,907	1,441
36	53	94.122	16.250,839	244.232,039	15,029	14,562	86	103	76	1,143	2,083	1,822	1,356
37	54	93.719	15.410,705	227.981,200	14,794	14,327	87	104	38	0,538	0,940	1,745	1,279
38	55	93.280	14.608,142	212.570,496	14,552	14,085	88	105	18	0,239	0,401	1,678	1,212
39	56	92.799	13.840,733	197.962,354	14,303	13,836	89						
40	57	92.284	13.108,495	184.121,621	14,046	13,580	90						
41	58	91.714	12.407,158	171.013,126	13,783	13,317	91						
42	59	91.099	11.737,099	158.605,968	13,513	13,047	92						
43	60	90.435	11.096,833	146.868,870	13,235	12,769	93						
44	61	89.715	10.484,223	135.772,037	12,950	12,484	94						
45	62	88.971	9.902,148	125.287,814	12,653	12,186	95						
46	63	88.139	9.342,435	115.385,666	12,351	11,884	96						
47	64	87.242	8.807,042	106.043,231	12,041	11,574	97						
48	65	86.280	8.295,115	97.236,189	11,722	11,256	98						
49	66	85.226	7.803,597	88.941,075	11,397	10,931	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -18 Jahre

Zinsfuß 5,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	18	99.380	99.380,101	1.944.824,106	19,570	19,103	50	68	83.220	7.257,108	78.330,764	10,794	10,327
1	19	98.898	94.188,808	1.845.444,005	19,593	19,127	51	69	81.861	6.798,623	71.073,656	10,454	9,988
2	20	98.831	89.642,531	1.751.255,197	19,536	19,070	52	70	80.398	6.359,154	64.275,033	10,107	9,641
3	21	98.780	85.329,690	1.661.612,666	19,473	19,006	53	71	78.790	5.935,241	57.915,879	9,758	9,292
4	22	98.738	81.231,667	1.576.282,975	19,405	18,938	54	72	77.025	5.526,015	51.980,638	9,407	8,940
5	23	98.698	77.332,175	1.495.051,308	19,333	18,866	55	73	75.123	5.132,895	46.454,623	9,050	8,584
6	24	98.658	73.620,392	1.417.719,133	19,257	18,791	56	74	73.042	4.753,035	41.321,728	8,694	8,227
7	25	98.620	70.087,441	1.344.098,741	19,177	18,711	57	75	70.820	4.389,022	36.568,693	8,332	7,865
8	26	98.584	66.725,278	1.274.011,301	19,093	18,627	58	76	68.387	4.036,412	32.179,671	7,972	7,506
9	27	98.544	63.522,540	1.207.286,022	19,006	18,539	59	77	65.775	3.697,344	28.143,259	7,612	7,145
10	28	98.506	60.474,366	1.143.763,483	18,913	18,447	60	78	62.966	3.370,915	24.445,916	7,252	6,786
11	29	98.468	57.572,129	1.083.289,117	18,816	18,350	61	79	59.950	3.056,607	21.075,001	6,895	6,428
12	30	98.425	54.806,630	1.025.716,988	18,715	18,249	62	80	56.738	2.755,103	18.018,394	6,540	6,074
13	31	98.380	52.172,886	970.910,358	18,609	18,143	63	81	53.247	2.462,464	15.263,291	6,198	5,732
14	32	98.332	49.664,274	918.737,472	18,499	18,033	64	82	49.552	2.182,472	12.800,827	5,865	5,399
15	33	98.279	47.273,767	869.073,198	18,384	17,917	65	83	45.619	1.913,537	10.618,355	5,549	5,083
16	34	98.216	44.994,029	821.799,432	18,265	17,798	66	84	41.608	1.662,197	8.704,818	5,237	4,771
17	35	98.133	42.814,961	776.805,403	18,143	17,677	67	85	37.532	1.427,972	7.042,622	4,932	4,466
18	36	98.033	40.734,621	733.990,442	18,019	17,552	68	86	33.539	1.215,293	5.614,650	4,620	4,154
19	37	97.903	38.743,531	693.255,821	17,893	17,427	69	87	29.445	1.016,134	4.399,357	4,330	3,863
20	38	97.764	36.846,274	654.512,290	17,763	17,297	70	88	25.305	831,687	3.383,223	4,068	3,602
21	39	97.621	35.040,482	617.666,016	17,627	17,161	71	89	21.350	668,285	2.551,536	3,818	3,352
22	40	97.467	33.319,036	582.625,534	17,486	17,020	72	90	17.613	525,051	1.883,251	3,587	3,120
23	41	97.309	31.680,904	549.306,499	17,339	16,872	73	91	14.215	403,583	1.358,201	3,365	2,899
24	42	97.140	30.120,123	517.625,595	17,185	16,719	74	92	11.103	300,221	954,618	3,180	2,713
25	43	96.961	28.632,779	487.505,472	17,026	16,560	75	93	8.448	217,553	654,397	3,008	2,542
26	44	96.764	27.213,996	458.872,693	16,862	16,395	76	94	6.253	153,350	436,844	2,849	2,382
27	45	96.560	25.863,503	431.658,697	16,690	16,223	77	95	4.496	105,023	283,494	2,699	2,233
28	46	96.338	24.575,254	405.795,194	16,512	16,046	78	96	3.133	69,702	178,471	2,560	2,094
29	47	96.094	23.345,796	381.219,940	16,329	15,863	79	97	2.111	44,718	108,769	2,432	1,966
30	48	95.840	22.175,247	357.874,143	16,138	15,672	80	98	1.373	27,697	64,051	2,313	1,846
31	49	95.567	21.059,115	335.698,897	15,941	15,474	81	99	859	16,507	36,354	2,202	1,736
32	50	95.262	19.992,230	314.639,782	15,738	15,272	82	100	517	9,453	19,847	2,100	1,633
33	51	94.943	18.976,552	294.647,552	15,527	15,061	83	101	297	5,172	10,394	2,010	1,543
34	52	94.597	18.006,904	275.671,000	15,309	14,843	84	102	163	2,710	5,222	1,927	1,460
35	53	94.220	17.081,257	257.664,096	15,085	14,618	85	103	86	1,358	2,512	1,849	1,383
36	54	93.825	16.199,526	240.582,839	14,851	14,385	86	104	43	0,652	1,154	1,770	1,304
37	55	93.393	15.357,102	224.383,313	14,611	14,145	87	105	21	0,296	0,502	1,698	1,232
38	56	92.927	14.552,823	209.026,211	14,363	13,897	88	106					
39	57	92.426	13.785,166	194.473,388	14,107	13,641	89	107					
40	58	91.872	13.049,990	180.688,222	13,846	13,379	90	108					
41	59	91.272	12.347,410	167.638,231	13,577	13,110	91	109					
42	60	90.635	11.677,430	155.290,822	13,298	12,832	92	110					
43	61	89.938	11.035,753	143.613,392	13,013	12,547	93	111					
44	62	89.210	10.425,224	132.577,639	12,717	12,251	94	112					
45	63	88.411	9.839,835	122.152,414	12,414	11,948	95						
46	64	87.539	9.278,889	112.312,580	12,104	11,638	96						
47	65	86.604	8.742,638	103.033,691	11,785	11,319	97						
48	66	85.575	8.227,365	94.291,053	11,461	10,994	98						
49	67	84.454	7.732,924	86.063,687	11,130	10,663	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -19 Jahre

Zinsfuß 5,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	19	99.352	99.351,520	1.939.908,153	19,526	19,059	50	69	82.268	7.174,104	75.407,274	10,511	10,045
1	20	98.871	94.162,699	1.840.556,632	19,547	19,080	51	70	80.816	6.711,885	68.233,170	10,166	9,700
2	21	98.800	89.614,217	1.746.393,934	19,488	19,022	52	71	79.255	6.268,768	61.521,285	9,814	9,348
3	22	98.756	85.308,813	1.656.779,717	19,421	18,955	53	72	77.513	5.839,017	55.252,516	9,463	8,996
4	23	98.711	81.209,674	1.571.470,904	19,351	18,884	54	73	75.637	5.426,385	49.413,499	9,106	8,640
5	24	98.672	77.311,999	1.490.261,230	19,276	18,810	55	74	73.593	5.028,326	43.987,114	8,748	8,281
6	25	98.632	73.600,391	1.412.949,231	19,198	18,731	56	75	71.379	4.644,848	38.958,788	8,388	7,921
7	26	98.596	70.070,194	1.339.348,840	19,114	18,648	57	76	68.984	4.275,225	34.313,940	8,026	7,560
8	27	98.556	66.706,598	1.269.278,646	19,028	18,561	58	77	66.408	3.919,564	30.038,715	7,664	7,197
9	28	98.516	63.504,027	1.202.572,048	18,937	18,471	59	78	63.635	3.577,060	26.119,150	7,302	6,835
10	29	98.477	60.456,416	1.139.068,021	18,841	18,375	60	79	60.632	3.245,982	22.542,091	6,945	6,478
11	30	98.439	57.555,277	1.078.611,605	18,740	18,274	61	80	57.428	2.928,228	19.296,109	6,590	6,124
12	31	98.393	54.788,686	1.021.056,328	18,636	18,170	62	81	53.974	2.620,890	16.368,082	6,245	5,779
13	32	98.345	52.154,250	966.267,643	18,527	18,061	63	82	50.279	2.325,197	13.747,192	5,912	5,446
14	33	98.297	49.646,614	914.113,393	18,412	17,946	64	83	46.350	2.041,431	11.421,995	5,595	5,129
15	34	98.239	47.254,877	864.466,779	18,294	17,827	65	84	42.350	1.776,417	9.380,564	5,281	4,814
16	35	98.170	44.972,935	817.211,902	18,171	17,705	66	85	38.264	1.528,620	7.604,147	4,975	4,508
17	36	98.082	42.793,042	772.238,967	18,046	17,579	67	86	34.273	1.303,989	6.075,527	4,659	4,193
18	37	97.977	40.711,587	729.445,925	17,917	17,451	68	87	30.158	1.092,774	4.771,538	4,366	3,900
19	38	97.843	38.719,773	688.734,338	17,788	17,321	69	88	25.974	896,354	3.678,765	4,104	3,638
20	39	97.696	36.820,499	650.014,565	17,654	17,187	70	89	21.977	722,298	2.782,410	3,852	3,386
21	40	97.543	35.012,440	613.194,066	17,514	17,047	71	90	18.186	569,229	2.060,112	3,619	3,153
22	41	97.382	33.290,049	578.181,626	17,368	16,902	72	91	14.734	439,225	1.490,884	3,394	2,928
23	42	97.212	31.649,588	544.891,577	17,216	16,750	73	92	11.551	327,951	1.051,659	3,207	2,740
24	43	97.031	30.086,247	513.241,989	17,059	16,593	74	93	8.823	238,559	723,708	3,034	2,567
25	44	96.835	28.595,613	483.155,742	16,896	16,430	75	94	6.556	168,823	485,149	2,874	2,407
26	45	96.629	27.176,114	454.560,129	16,726	16,260	76	95	4.732	116,064	316,326	2,725	2,259
27	46	96.407	25.822,484	427.384,015	16,551	16,084	77	96	3.315	77,426	200,262	2,587	2,120
28	47	96.165	24.531,117	401.561,531	16,369	15,903	78	97	2.247	49,988	122,836	2,457	1,991
29	48	95.908	23.300,397	377.030,414	16,181	15,715	79	98	1.471	31,157	72,848	2,338	1,872
30	49	95.637	22.128,236	353.730,017	15,985	15,519	80	99	928	18,724	41,691	2,227	1,760
31	50	95.337	21.008,431	331.601,781	15,784	15,318	81	100	563	10,813	22,967	2,124	1,658
32	51	95.021	19.941,717	310.593,349	15,575	15,109	82	101	327	5,993	12,154	2,028	1,562
33	52	94.680	18.923,849	290.651,632	15,359	14,893	83	102	182	3,169	6,161	1,944	1,478
34	53	94.311	17.952,466	271.727,783	15,136	14,670	84	103	97	1,603	2,993	1,867	1,401
35	54	93.923	17.027,322	253.775,317	14,904	14,438	85	104	49	0,774	1,390	1,795	1,328
36	55	93.498	16.143,181	236.747,996	14,666	14,199	86	105	24	0,358	0,615	1,720	1,254
37	56	93.039	15.298,947	220.604,815	14,420	13,953	87	106					
38	57	92.554	14.494,397	205.305,868	14,164	13,698	88	107					
39	58	92.014	13.723,642	190.811,470	13,904	13,437	89	108					
40	59	91.429	12.987,146	177.087,829	13,636	13,169	90	109					
41	60	90.808	12.284,638	164.100,682	13,358	12,892	91	110					
42	61	90.137	11.613,154	151.816,044	13,073	12,606	92	111					
43	62	89.432	10.973,651	140.202,890	12,776	12,310	93	112					
44	63	88.649	10.359,619	129.229,239	12,474	12,008	94						
45	64	87.810	9.772,906	118.869,619	12,163	11,697	95						
46	65	86.899	9.211,034	109.096,714	11,844	11,378	96						
47	66	85.897	8.671,233	99.885,679	11,519	11,053	97						
48	67	84.800	8.152,854	91.214,446	11,188	10,722	98						
49	68	83.595	7.654,318	83.061,592	10,852	10,385	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -20 Jahre

Zinsfuß 5,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	20	99.324	99.323,980	1.934.719,650	19,479	19,012	50	70	81.219	7.082,576	72.371,405	10,218	9,752
1	21	98.840	94.132,957	1.835.395,670	19,498	19,032	51	71	79.668	6.616,485	65.288,829	9,868	9,401
2	22	98.776	89.592,291	1.741.262,714	19,435	18,969	52	72	77.970	6.167,137	58.672,344	9,514	9,047
3	23	98.729	85.285,716	1.651.670,423	19,366	18,900	53	73	76.115	5.733,745	52.505,207	9,157	8,691
4	24	98.685	81.188,486	1.566.384,707	19,293	18,827	54	74	74.096	5.315,837	46.771,462	8,799	8,332
5	25	98.645	77.290,995	1.485.196,220	19,216	18,749	55	75	71.918	4.913,873	41.455,625	8,436	7,970
6	26	98.607	73.582,280	1.407.905,226	19,134	18,667	56	76	69.529	4.524,419	36.541,752	8,077	7,610
7	27	98.568	70.050,578	1.334.322,946	19,048	18,582	57	77	66.987	4.151,464	32.017,334	7,712	7,246
8	28	98.527	66.687,158	1.264.272,368	18,958	18,492	58	78	64.247	3.792,051	27.865,869	7,348	6,882
9	29	98.486	63.485,178	1.197.585,210	18,864	18,398	59	79	61.276	3.444,486	24.073,818	6,989	6,523
10	30	98.448	60.438,720	1.134.100,033	18,764	18,298	60	80	58.082	3.109,436	20.629,332	6,634	6,168
11	31	98.407	57.536,432	1.073.661,313	18,661	18,194	61	81	54.630	2.785,390	17.519,896	6,290	5,824
12	32	98.357	54.769,115	1.016.124,881	18,553	18,086	62	82	50.965	2.474,791	14.734,506	5,954	5,487
13	33	98.310	52.135,705	961.355,766	18,439	17,973	63	83	47.030	2.174,933	12.259,714	5,637	5,170
14	34	98.258	49.626,777	909.220,061	18,321	17,855	64	84	43.029	1.895,147	10.084,782	5,321	4,855
15	35	98.193	47.232,723	859.593,285	18,199	17,733	65	85	38.946	1.633,661	8.189,635	5,013	4,547
16	36	98.120	44.949,911	812.360,562	18,073	17,606	66	86	34.942	1.395,898	6.555,974	4,697	4,230
17	37	98.027	42.768,844	767.410,651	17,943	17,477	67	87	30.818	1.172,528	5.160,075	4,401	3,934
18	38	97.917	40.686,622	724.641,807	17,810	17,344	68	88	26.603	963,960	3.987,548	4,137	3,670
19	39	97.774	38.692,687	683.955,185	17,677	17,210	69	89	22.558	778,460	3.023,588	3,884	3,418
20	40	97.618	36.791,033	645.262,497	17,539	17,072	70	90	18.719	615,235	2.245,128	3,649	3,183
21	41	97.458	34.981,980	608.471,464	17,394	16,927	71	91	15.213	476,181	1.629,893	3,423	2,956
22	42	97.286	33.257,142	573.489,484	17,244	16,778	72	92	11.973	356,914	1.153,711	3,232	2,766
23	43	97.103	31.613,992	540.232,342	17,088	16,622	73	93	9.179	260,593	796,797	3,058	2,591
24	44	96.905	30.047,195	508.618,350	16,927	16,461	74	94	6.847	185,124	536,204	2,896	2,430
25	45	96.700	28.555,807	478.571,155	16,759	16,293	75	95	4.962	127,775	351,080	2,748	2,281
26	46	96.476	27.133,013	450.015,347	16,586	16,119	76	96	3.489	85,565	223,305	2,610	2,143
27	47	96.234	25.776,107	422.882,335	16,406	15,940	77	97	2.377	55,527	137,740	2,481	2,014
28	48	95.978	24.483,413	397.106,228	16,219	15,753	78	98	1.566	34,829	82,213	2,360	1,894
29	49	95.704	23.251,002	372.622,815	16,026	15,560	79	99	994	21,063	47,384	2,250	1,783
30	50	95.407	22.074,980	349.371,813	15,827	15,360	80	100	608	12,266	26,321	2,146	1,680
31	51	95.096	20.955,351	327.296,833	15,619	15,152	81	101	357	6,855	14,055	2,050	1,584
32	52	94.757	19.886,334	306.341,482	15,405	14,938	82	102	201	3,672	7,200	1,961	1,495
33	53	94.393	18.866,639	286.455,149	15,183	14,717	83	103	108	1,874	3,528	1,883	1,416
34	54	94.013	17.895,780	267.588,510	14,953	14,486	84	104	55	0,914	1,654	1,811	1,344
35	55	93.596	16.968,097	249.692,730	14,715	14,249	85	105	27	0,425	0,741	1,743	1,276
36	56	93.144	16.082,049	232.724,633	14,471	14,005	86	106					
37	57	92.666	15.237,526	216.642,584	14,218	13,751	87	107					
38	58	92.141	14.429,707	201.405,058	13,958	13,491	88	108					
39	59	91.570	13.657,554	186.975,351	13,690	13,224	89	109					
40	60	90.965	12.921,123	173.317,797	13,414	12,947	90	110					
41	61	90.308	12.217,020	160.396,674	13,129	12,663	91	111					
42	62	89.629	11.547,803	148.179,654	12,832	12,365	92	112					
43	63	88.869	10.904,595	136.631,851	12,530	12,063	93						
44	64	88.046	10.289,155	125.727,256	12,219	11,753	94						
45	65	87.167	9.701,438	115.438,101	11,899	11,433	95						
46	66	86.190	9.135,804	105.736,663	11,574	11,107	96						
47	67	85.119	8.592,702	96.600,858	11,242	10,776	97						
48	68	83.938	8.069,980	88.008,157	10,906	10,439	98						
49	69	82.639	7.566,772	79.938,177	10,564	10,098	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -21 Jahre

Zinsfuß 5,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	21	99.293	99.292,607	1.929.245,010	19,430	18,963	50	71	80.064	6.981,907	69.227,938	9,915	9,449
1	22	98.815	94.109,925	1.829.952,402	19,445	18,978	51	72	78.376	6.509,217	62.246,031	9,563	9,096
2	23	98.749	89.568,035	1.735.842,477	19,380	18,914	52	73	76.564	6.055,949	55.736,814	9,204	8,737
3	24	98.703	85.263,465	1.646.274,442	19,308	18,842	53	74	74.565	5.616,935	49.680,865	8,845	8,378
4	25	98.658	81.166,429	1.561.010,978	19,232	18,766	54	75	72.409	5.194,840	44.063,930	8,482	8,016
5	26	98.621	77.271,976	1.479.844,549	19,151	18,685	55	76	70.053	4.786,468	38.869,090	8,121	7,654
6	27	98.580	73.561,680	1.402.572,573	19,067	18,600	56	77	67.516	4.393,444	34.082,622	7,758	7,291
7	28	98.539	70.030,163	1.329.010,893	18,978	18,511	57	78	64.808	4.016,407	29.689,178	7,392	6,926
8	29	98.498	66.667,364	1.258.980,730	18,885	18,418	58	79	61.866	3.651,510	25.672,771	7,031	6,564
9	30	98.458	63.466,595	1.192.313,366	18,786	18,320	59	80	58.699	3.299,590	22.021,262	6,674	6,208
10	31	98.416	60.418,931	1.128.846,771	18,684	18,217	60	81	55.252	2.957,962	18.721,671	6,329	5,863
11	32	98.372	57.515,880	1.068.427,840	18,576	18,110	61	82	51.585	2.630,122	15.763,710	5,994	5,527
12	33	98.322	54.749,640	1.010.911,961	18,464	17,998	62	83	47.672	2.314,860	13.133,588	5,674	5,207
13	34	98.270	52.114,873	956.162,321	18,347	17,881	63	84	43.660	2.019,082	10.818,728	5,358	4,892
14	35	98.212	49.603,511	904.047,448	18,225	17,759	64	85	39.571	1.742,850	8.799,647	5,049	4,583
15	36	98.143	47.208,542	854.443,938	18,099	17,633	65	86	35.565	1.491,819	7.056,797	4,730	4,264
16	37	98.065	44.924,493	807.235,396	17,969	17,502	66	87	31.419	1.255,171	5.564,977	4,434	3,967
17	38	97.967	42.742,618	762.310,902	17,835	17,369	67	88	27.185	1.034,313	4.309,806	4,167	3,700
18	39	97.849	40.658,161	719.568,285	17,698	17,232	68	89	23.104	837,173	3.275,493	3,913	3,446
19	40	97.696	38.661,723	678.910,124	17,560	17,094	69	90	19.214	663,073	2.438,320	3,677	3,211
20	41	97.533	36.759,026	640.248,400	17,417	16,951	70	91	15.660	514,668	1.775,247	3,449	2,983
21	42	97.362	34.947,401	603.489,375	17,269	16,802	71	92	12.362	386,945	1.260,579	3,258	2,791
22	43	97.176	33.219,739	568.541,974	17,115	16,648	72	93	9.514	283,608	873,634	3,080	2,614
23	44	96.977	31.572,957	535.322,235	16,955	16,489	73	94	7.123	202,223	590,027	2,918	2,451
24	45	96.770	30.005,369	503.749,278	16,789	16,322	74	95	5.182	140,113	387,804	2,768	2,301
25	46	96.547	28.510,518	473.743,909	16,616	16,150	75	96	3.658	94,199	247,691	2,629	2,163
26	47	96.303	27.084,282	445.233,392	16,439	15,972	76	97	2.502	61,364	153,492	2,501	2,035
27	48	96.047	25.725,982	418.149,110	16,254	15,788	77	98	1.656	38,688	92,128	2,381	1,915
28	49	95.775	24.431,510	392.423,128	16,062	15,596	78	99	1.058	23,545	53,440	2,270	1,803
29	50	95.474	23.195,043	367.991,618	15,865	15,399	79	100	651	13,798	29,895	2,167	1,700
30	51	95.166	22.019,205	344.796,575	15,659	15,193	80	101	385	7,776	16,097	2,070	1,604
31	52	94.832	20.897,153	322.777,371	15,446	14,980	81	102	219	4,200	8,321	1,981	1,515
32	53	94.471	19.826,213	301.880,218	15,226	14,760	82	103	119	2,171	4,121	1,898	1,431
33	54	94.095	18.807,067	282.054,004	14,997	14,531	83	104	61	1,068	1,949	1,825	1,358
34	55	93.686	17.833,534	263.246,938	14,761	14,295	84	105	30	0,502	0,881	1,757	1,290
35	56	93.242	16.903,841	245.413,404	14,518	14,052	85	106					
36	57	92.770	16.017,484	228.509,563	14,266	13,800	86	107					
37	58	92.252	15.169,520	212.492,079	14,008	13,541	87	108					
38	59	91.697	14.360,219	197.322,559	13,741	13,275	88	109					
39	60	91.105	13.588,122	182.962,340	13,465	12,998	89	110					
40	61	90.464	12.850,002	169.374,218	13,181	12,714	90	111					
41	62	89.800	12.148,271	156.524,217	12,884	12,418	91	112					
42	63	89.065	11.475,134	144.375,946	12,582	12,115	92						
43	64	88.264	10.830,424	132.900,812	12,271	11,805	93						
44	65	87.402	10.213,912	122.070,388	11,951	11,485	94						
45	66	86.456	9.622,203	111.856,476	11,625	11,158	95						
46	67	85.409	9.053,065	102.234,273	11,293	10,826	96						
47	68	84.254	8.505,357	93.181,208	10,956	10,489	97						
48	69	82.978	7.977,679	84.675,851	10,614	10,148	98						
49	70	81.585	7.470,233	76.698,172	10,267	9,801	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -22 Jahre

Zinsfuß 5,00%

Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	22	99.268	99.268,313	1.923.475,189	19,377	18,910	50	72	78.766	6.868,715	65.982,635	9,606	9,140
1	23	98.789	94.084,446	1.824.206,876	19,389	18,923	51	73	76.963	6.391,862	59.113,921	9,248	8,782
2	24	98.723	89.544,666	1.730.122,430	19,321	18,855	52	74	75.004	5.932,575	52.722,059	8,887	8,420
3	25	98.676	85.240,300	1.640.577,764	19,247	18,780	53	75	72.867	5.489,084	46.789,484	8,524	8,058
4	26	98.634	81.146,457	1.555.337,464	19,167	18,701	54	76	70.532	5.060,150	41.300,400	8,162	7,695
5	27	98.593	77.250,343	1.474.191,007	19,083	18,617	55	77	68.025	4.647,908	36.240,250	7,797	7,331
6	28	98.551	73.540,242	1.396.940,664	18,996	18,529	56	78	65.319	4.250,514	31.592,342	7,433	6,966
7	29	98.510	70.009,376	1.323.400,422	18,903	18,437	57	79	62.406	3.867,550	27.341,827	7,070	6,603
8	30	98.469	66.647,849	1.253.391,046	18,806	18,340	58	80	59.264	3.497,905	23.474,277	6,711	6,245
9	31	98.425	63.445,815	1.186.743,197	18,705	18,238	59	81	55.839	3.138,853	19.976,372	6,364	5,898
10	32	98.381	60.397,349	1.123.297,382	18,598	18,132	60	82	52.172	2.793,073	16.837,520	6,028	5,562
11	33	98.337	57.495,428	1.062.900,033	18,487	18,020	61	83	48.251	2.460,152	14.044,447	5,709	5,242
12	34	98.283	54.727,763	1.005.404,604	18,371	17,905	62	84	44.256	2.148,982	11.584,294	5,391	4,924
13	35	98.224	52.090,440	950.676,841	18,251	17,784	63	85	40.151	1.856,825	9.435,312	5,081	4,615
14	36	98.161	49.578,116	898.586,401	18,125	17,658	64	86	36.135	1.591,527	7.578,487	4,762	4,295
15	37	98.088	47.181,847	849.008,285	17,994	17,528	65	87	31.979	1.341,423	5.986,959	4,463	3,997
16	38	98.004	44.896,945	801.826,438	17,859	17,393	66	88	27.716	1.107,215	4.645,537	4,196	3,729
17	39	97.898	42.712,719	756.929,493	17,721	17,255	67	89	23.610	898,273	3.538,322	3,939	3,473
18	40	97.770	40.625,624	714.216,774	17,580	17,114	68	90	19.679	713,083	2.640,049	3,702	3,236
19	41	97.611	38.628,088	673.591,150	17,438	16,971	69	91	16.073	554,685	1.926,966	3,474	3,008
20	42	97.436	36.722,690	634.963,062	17,291	16,824	70	92	12.725	418,219	1.372,281	3,281	2,815
21	43	97.253	34.908,097	598.240,372	17,138	16,671	71	93	9.823	307,470	954,062	3,103	2,637
22	44	97.050	33.176,619	563.332,276	16,980	16,513	72	94	7.383	220,082	646,591	2,938	2,472
23	45	96.842	31.529,007	530.155,657	16,815	16,348	73	95	5.391	153,054	426,509	2,787	2,320
24	46	96.617	29.957,780	498.626,650	16,644	16,178	74	96	3.820	103,294	273,455	2,647	2,181
25	47	96.373	28.459,313	468.668,870	16,468	16,002	75	97	2.623	67,556	170,160	2,519	2,052
26	48	96.116	27.031,613	440.209,557	16,285	15,819	76	98	1.743	42,755	102,604	2,400	1,933
27	49	95.843	25.671,444	413.177,944	16,095	15,628	77	99	1.120	26,154	59,849	2,288	1,822
28	50	95.544	24.372,710	387.506,500	15,899	15,433	78	100	693	15,424	33,695	2,185	1,718
29	51	95.233	23.136,438	363.133,790	15,695	15,229	79	101	413	8,747	18,271	2,089	1,622
30	52	94.901	21.958,052	339.997,352	15,484	15,018	80	102	236	4,764	9,524	1,999	1,533
31	53	94.545	20.833,976	318.039,300	15,265	14,799	81	103	129	2,484	4,760	1,916	1,450
32	54	94.172	19.763,611	297.205,324	15,038	14,572	82	104	68	1,238	2,276	1,838	1,372
33	55	93.768	18.741,651	277.441,712	14,803	14,337	83	105	34	0,586	1,038	1,770	1,303
34	56	93.331	17.766,001	258.700,061	14,562	14,095	84	106					
35	57	92.868	16.835,977	240.934,060	14,311	13,844	85	107					
36	58	92.356	15.945,996	224.098,084	14,054	13,587	86	108					
37	59	91.808	15.096,469	208.152,087	13,788	13,322	87	109					
38	60	91.231	14.287,215	193.055,618	13,512	13,046	88	110					
39	61	90.604	13.513,329	178.768,403	13,229	12,763	89	111					
40	62	89.955	12.777,690	165.255,074	12,933	12,467	90	112					
41	63	89.235	12.071,823	152.477,384	12,631	12,164	91						
42	64	88.459	11.397,082	140.405,561	12,319	11,853	92						
43	65	87.619	10.751,223	129.008,479	11,999	11,533	93						
44	66	86.688	10.130,491	118.257,256	11,673	11,207	94						
45	67	85.673	9.535,059	108.126,764	11,340	10,874	95						
46	68	84.541	8.961,041	98.591,706	11,002	10,536	96						
47	69	83.290	8.408,076	89.630,665	10,660	10,194	97						
48	70	81.919	7.875,898	81.222,589	10,313	9,846	98						
49	71	80.425	7.364,055	73.346,690	9,960	9,494	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -23 Jahre

Zinsfuß 5,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	23	99.241	99.241,437	1.917.389,244	19,320	18,854	50	73	77.346	6.744,878	62.645,193	9,288	8,821
1	24	98.763	94.059,898	1.818.147,807	19,330	18,863	51	74	75.395	6.261,644	55.900,315	8,927	8,461
2	25	98.696	89.520,339	1.724.087,908	19,259	18,793	52	75	73.297	5.797,540	49.638,671	8,562	8,096
3	26	98.652	85.219,326	1.634.567,570	19,181	18,714	53	76	70.978	5.346,765	43.841,131	8,200	7,733
4	27	98.606	81.123,739	1.549.348,244	19,099	18,632	54	77	68.490	4.913,667	38.494,366	7,834	7,368
5	28	98.564	77.227,830	1.468.224,505	19,012	18,545	55	78	65.812	4.496,700	33.580,698	7,468	7,001
6	29	98.522	73.518,414	1.390.996,676	18,920	18,454	56	79	62.899	4.092,981	29.083,999	7,106	6,639
7	30	98.481	69.988,884	1.317.478,262	18,824	18,358	57	80	59.781	3.704,857	24.991,017	6,745	6,279
8	31	98.437	66.626,028	1.247.489,378	18,724	18,257	58	81	56.377	3.327,507	21.286,160	6,397	5,931
9	32	98.390	63.423,152	1.180.863,350	18,619	18,152	59	82	52.727	2.963,881	17.958,653	6,059	5,593
10	33	98.346	60.375,873	1.117.440,199	18,508	18,042	60	83	48.801	2.612,573	14.994,773	5,739	5,273
11	34	98.297	57.472,454	1.057.064,326	18,393	17,926	61	84	44.794	2.283,863	12.382,199	5,422	4,955
12	35	98.237	54.702,106	999.591,871	18,273	17,807	62	85	40.699	1.976,286	10.098,336	5,110	4,643
13	36	98.174	52.063,772	944.889,765	18,149	17,682	63	86	36.665	1.695,607	8.122,050	4,790	4,324
14	37	98.106	49.550,081	892.825,993	18,019	17,552	64	87	32.492	1.431,079	6.426,443	4,491	4,024
15	38	98.028	47.152,915	843.275,912	17,884	17,417	65	88	28.210	1.183,299	4.995,364	4,222	3,755
16	39	97.936	44.865,539	796.122,997	17,745	17,278	66	89	24.070	961,586	3.812,065	3,964	3,498
17	40	97.820	42.678,537	751.257,458	17,603	17,136	67	90	20.110	765,127	2.850,479	3,726	3,259
18	41	97.685	40.590,281	708.578,921	17,457	16,990	68	91	16.463	596,521	2.085,353	3,496	3,029
19	42	97.515	38.589,905	667.988,641	17,310	16,844	69	92	13.061	450,737	1.488,831	3,303	2,837
20	43	97.327	36.681,389	629.398,736	17,159	16,692	70	93	10.111	332,321	1.038,094	3,124	2,657
21	44	97.126	34.862,785	592.717,347	17,001	16,535	71	94	7.623	238,600	705,773	2,958	2,492
22	45	96.915	33.130,437	557.854,562	16,838	16,372	72	95	5.588	166,571	467,173	2,805	2,338
23	46	96.689	31.479,002	524.724,125	16,669	16,203	73	96	3.974	112,835	300,602	2,664	2,198
24	47	96.443	29.903,977	493.245,123	16,494	16,028	74	97	2.740	74,079	187,767	2,535	2,068
25	48	96.186	28.403,970	463.341,147	16,313	15,846	75	98	1.828	47,069	113,688	2,415	1,949
26	49	95.912	26.974,308	434.937,177	16,124	15,658	76	99	1.179	28,904	66,618	2,305	1,838
27	50	95.613	25.609,660	407.962,869	15,930	15,464	77	100	734	17,133	37,715	2,201	1,735
28	51	95.303	24.311,129	382.353,209	15,727	15,261	78	101	440	9,778	20,582	2,105	1,638
29	52	94.968	23.072,182	358.042,080	15,518	15,052	79	102	253	5,359	10,804	2,016	1,549
30	53	94.615	21.891,668	334.969,898	15,301	14,835	80	103	140	2,818	5,444	1,932	1,466
31	54	94.247	20.768,192	313.078,230	15,075	14,608	81	104	74	1,416	2,627	1,855	1,388
32	55	93.845	19.694,869	292.310,037	14,842	14,376	82	105	37	0,679	1,211	1,782	1,315
33	56	93.413	18.670,679	272.615,169	14,601	14,135	83	106					
34	57	92.956	17.694,675	253.944,490	14,351	13,885	84	107					
35	58	92.453	16.760,836	236.249,814	14,095	13,629	85	108					
36	59	91.912	15.869,206	219.488,978	13,831	13,365	86	109					
37	60	91.341	15.019,722	203.619,772	13,557	13,090	87	110					
38	61	90.729	14.208,575	188.600,050	13,274	12,807	88	111					
39	62	90.094	13.437,285	174.391,475	12,978	12,512	89	112					
40	63	89.389	12.697,281	160.954,190	12,676	12,210	90						
41	64	88.628	11.989,713	148.256,909	12,365	11,899	91						
42	65	87.813	11.313,737	136.267,196	12,044	11,578	92						
43	66	86.903	10.663,414	124.953,459	11,718	11,252	93						
44	67	85.903	10.038,744	114.290,045	11,385	10,918	94						
45	68	84.802	9.438,135	104.251,302	11,046	10,579	95						
46	69	83.574	8.858,548	94.813,167	10,703	10,237	96						
47	70	82.228	8.300,805	85.954,618	10,355	9,889	97						
48	71	80.755	7.763,954	77.653,814	10,002	9,535	98						
49	72	79.121	7.244,667	69.889,860	9,647	9,181	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -24 Jahre

Zinsfuß 5,00%

Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	24	99.216	99.215,545	1.910.975,376	19,261	18,794	50	74	75.770	6.607,469	59.223,889	8,963	8,497
1	25	98.736	94.034,344	1.811.759,831	19,267	18,801	51	75	73.679	6.119,119	52.616,421	8,599	8,132
2	26	98.672	89.498,311	1.717.725,487	19,193	18,726	52	76	71.397	5.647,224	46.497,302	8,234	7,767
3	27	98.624	85.195,468	1.628.227,176	19,112	18,645	53	77	68.923	5.191,985	40.850,078	7,868	7,402
4	28	98.578	81.100,097	1.543.031,709	19,026	18,560	54	78	66.262	4.753,813	35.658,093	7,501	7,035
5	29	98.535	77.204,907	1.461.931,612	18,936	18,469	55	79	63.373	4.330,043	30.904,279	7,137	6,671
6	30	98.493	73.496,894	1.384.726,705	18,841	18,374	56	80	60.253	3.920,805	26.574,237	6,778	6,311
7	31	98.449	69.965,968	1.311.229,811	18,741	18,275	57	81	56.869	3.524,378	22.653,431	6,428	5,961
8	32	98.402	66.602,228	1.241.263,842	18,637	18,171	58	82	53.234	3.142,018	19.129,054	6,088	5,622
9	33	98.355	63.400,600	1.174.661,614	18,528	18,061	59	83	49.319	2.772,343	15.987,035	5,767	5,300
10	34	98.307	60.351,748	1.111.261,014	18,413	17,947	60	84	45.304	2.425,362	13.214,693	5,449	4,982
11	35	98.251	57.445,510	1.050.909,266	18,294	17,828	61	85	41.194	2.100,328	10.789,331	5,137	4,671
12	36	98.187	54.674,101	993.463,756	18,171	17,704	62	86	37.166	1.804,696	8.689,003	4,815	4,348
13	37	98.118	52.034,332	938.789,655	18,042	17,575	63	87	32.969	1.524,665	6.884,307	4,515	4,049
14	38	98.046	49.519,696	886.755,323	17,907	17,441	64	88	28.662	1.262,386	5.359,641	4,246	3,779
15	39	97.959	47.119,931	837.235,626	17,768	17,302	65	89	24.499	1.027,663	4.097,255	3,987	3,521
16	40	97.857	44.829,635	790.115,696	17,625	17,158	66	90	20.503	819,055	3.069,592	3,748	3,281
17	41	97.735	42.641,408	745.286,061	17,478	17,012	67	91	16.823	640,058	2.250,537	3,516	3,050
18	42	97.589	40.550,158	702.644,654	17,328	16,861	68	92	13.378	484,733	1.610,479	3,322	2,856
19	43	97.405	38.546,504	662.094,496	17,177	16,710	69	93	10.379	358,160	1.125,746	3,143	2,677
20	44	97.200	36.633,776	623.547,992	17,021	16,555	70	94	7.846	257,884	767,586	2,976	2,510
21	45	96.991	34.814,256	586.914,216	16,858	16,392	71	95	5.769	180,587	509,701	2,822	2,356
22	46	96.761	33.077,891	552.099,961	16,691	16,225	72	96	4.119	122,800	329,115	2,680	2,214
23	47	96.515	31.422,466	519.022,069	16,518	16,051	73	97	2.850	80,921	206,315	2,550	2,083
24	48	96.256	29.845,824	487.599,603	16,337	15,871	74	98	1.909	51,614	125,393	2,429	1,963
25	49	95.982	28.343,755	457.753,779	16,150	15,684	75	99	1.236	31,820	73,779	2,319	1,852
26	50	95.681	26.909,388	429.410,024	15,958	15,491	76	100	772	18,934	41,959	2,216	1,750
27	51	95.371	25.544,954	402.500,636	15,757	15,290	77	101	465	10,861	23,025	2,120	1,653
28	52	95.038	24.243,611	376.955,682	15,549	15,082	78	102	269	5,991	12,163	2,030	1,564
29	53	94.681	23.002,430	352.712,071	15,334	14,867	79	103	150	3,170	6,172	1,947	1,481
30	54	94.316	21.822,544	329.709,640	15,109	14,642	80	104	80	1,606	3,003	1,869	1,403
31	55	93.919	20.695,955	307.887,096	14,877	14,410	81	105	40	0,777	1,396	1,797	1,330
32	56	93.490	19.620,287	287.191,141	14,637	14,171	82	106					
33	57	93.038	18.595,722	267.570,854	14,389	13,922	83	107					
34	58	92.541	17.615,703	248.975,132	14,134	13,667	84	108					
35	59	92.008	16.680,122	231.359,429	13,870	13,404	85	109					
36	60	91.444	15.788,531	214.679,307	13,597	13,131	86	110					
37	61	90.838	14.937,049	198.890,776	13,315	12,849	87	111					
38	62	90.218	14.128,618	183.953,727	13,020	12,554	88	112					
39	63	89.527	13.352,726	169.825,109	12,718	12,252	89						
40	64	88.781	12.610,917	156.472,383	12,408	11,941	90						
41	65	87.980	11.902,034	143.861,467	12,087	11,621	91						
42	66	87.095	11.221,333	131.959,433	11,760	11,293	92						
43	67	86.116	10.566,840	120.738,099	11,426	10,960	93						
44	68	85.030	9.936,700	110.171,260	11,087	10,621	94						
45	69	83.832	9.330,185	100.234,560	10,743	10,277	95						
46	70	82.508	8.745,529	90.904,374	10,394	9,928	96						
47	71	81.059	8.182,821	82.158,845	10,040	9,574	97						
48	72	79.446	7.638,083	73.976,024	9,685	9,219	98						
49	73	77.695	7.114,052	66.337,941	9,325	8,859	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -25 Jahre

Zinsfuß 5,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	25	99.189	99.188,590	1.904.217,463	19,198	18,732	50	75	74.046	6.457,071	55.730,557	8,631	8,165
1	26	98.712	94.011,206	1.805.028,873	19,200	18,734	51	76	71.769	5.960,465	49.273,486	8,267	7,800
2	27	98.644	89.473,255	1.711.017,667	19,123	18,657	52	77	69.330	5.483,746	43.313,021	7,898	7,432
3	28	98.596	85.170,639	1.621.544,412	19,039	18,572	53	78	66.681	5.023,077	37.829,275	7,531	7,065
4	29	98.548	81.076,025	1.536.373,773	18,950	18,483	54	79	63.806	4.577,627	32.806,198	7,167	6,700
5	30	98.506	77.182,308	1.455.297,748	18,855	18,389	55	80	60.707	4.147,894	28.228,571	6,806	6,339
6	31	98.461	73.472,830	1.378.115,440	18,757	18,290	56	81	57.317	3.729,806	24.080,676	6,456	5,990
7	32	98.414	69.940,976	1.304.642,610	18,653	18,187	57	82	53.699	3.327,915	20.350,870	6,115	5,649
8	33	98.367	66.578,546	1.234.701,634	18,545	18,079	58	83	49.794	2.938,968	17.022,955	5,792	5,326
9	34	98.316	63.375,266	1.168.123,088	18,432	17,965	59	84	45.785	2.573,682	14.083,987	5,472	5,006
10	35	98.261	60.323,454	1.104.747,822	18,314	17,847	60	85	41.663	2.230,456	11.510,305	5,161	4,694
11	36	98.201	57.416,101	1.044.424,367	18,190	17,724	61	86	37.617	1.917,968	9.279,849	4,838	4,372
12	37	98.131	54.643,185	987.008,267	18,063	17,596	62	87	33.419	1.622,757	7.361,881	4,537	4,070
13	38	98.058	52.002,424	932.365,082	17,929	17,463	63	88	29.082	1.344,941	5.739,124	4,267	3,801
14	39	97.977	49.485,057	880.362,658	17,790	17,324	64	89	24.892	1.096,348	4.394,183	4,008	3,542
15	40	97.881	47.082,222	830.877,602	17,647	17,181	65	90	20.868	875,338	3.297,834	3,767	3,301
16	41	97.772	44.790,634	783.795,379	17,499	17,033	66	91	17.151	685,171	2.422,496	3,536	3,069
17	42	97.638	42.599,257	739.004,746	17,348	16,881	67	92	13.670	520,111	1.737,326	3,340	2,874
18	43	97.479	40.504,552	696.405,489	17,193	16,727	68	93	10.630	385,174	1.217,215	3,160	2,694
19	44	97.279	38.496,470	655.900,937	17,038	16,572	69	94	8.054	277,936	832,041	2,994	2,527
20	45	97.065	36.582,781	617.404,467	16,877	16,411	70	95	5.939	195,182	554,105	2,839	2,373
21	46	96.837	34.759,040	580.821,686	16,710	16,244	71	96	4.253	133,133	358,923	2,696	2,230
22	47	96.588	33.018,484	546.062,646	16,538	16,072	72	97	2.954	88,068	225,790	2,564	2,097
23	48	96.327	31.361,361	513.044,161	16,359	15,893	73	98	1.986	56,382	137,722	2,443	1,976
24	49	96.052	29.782,553	481.682,801	16,173	15,707	74	99	1.290	34,893	81,341	2,331	1,865
25	50	95.751	28.275,540	451.900,248	15,982	15,516	75	100	809	20,845	46,448	2,228	1,762
26	51	95.439	26.841,398	423.624,708	15,783	15,316	76	101	489	12,003	25,604	2,133	1,667
27	52	95.106	25.474,010	396.783,311	15,576	15,110	77	102	285	6,655	13,600	2,044	1,577
28	53	94.751	24.170,318	371.309,301	15,362	14,896	78	103	159	3,543	6,946	1,960	1,494
29	54	94.382	22.929,799	347.138,983	15,139	14,673	79	104	85	1,807	3,402	1,883	1,417
30	55	93.988	21.746,640	324.209,184	14,908	14,442	80	105	44	0,882	1,596	1,810	1,343
31	56	93.563	20.617,583	302.462,544	14,670	14,204	81	106					
32	57	93.114	19.541,517	281.844,961	14,423	13,956	82	107					
33	58	92.623	18.512,727	262.303,444	14,169	13,702	83	108					
34	59	92.096	17.530,872	243.790,717	13,906	13,440	84	109					
35	60	91.540	16.595,324	226.259,845	13,634	13,168	85	110					
36	61	90.941	15.701,627	209.664,521	13,353	12,887	86	111					
37	62	90.327	14.852,993	193.962,894	13,059	12,592	87	112					
38	63	89.650	14.039,708	179.109,901	12,757	12,291	88						
39	64	88.918	13.261,903	165.070,192	12,447	11,981	89						
40	65	88.131	12.518,695	151.808,290	12,127	11,660	90						
41	66	87.261	11.804,826	139.289,595	11,799	11,333	91						
42	67	86.307	11.119,707	127.484,769	11,465	10,998	92						
43	68	85.241	10.459,428	116.365,062	11,125	10,659	93						
44	69	84.057	9.823,048	105.905,635	10,781	10,315	94						
45	70	82.762	9.211,149	96.082,586	10,431	9,965	95						
46	71	81.335	8.621,225	86.871,437	10,076	9,610	96						
47	72	79.745	8.050,159	78.250,213	9,720	9,254	97						
48	73	78.013	7.500,375	70.200,054	9,360	8,893	98						
49	74	76.112	6.969,122	62.699,679	8,997	8,530	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 1 Jahr

Zinsfuß 5,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	49	91.859	8.010,447	112.496,090	14,044	13,577
1	0	99.544	94.803,590	1.898.669,117	20,027	19,561	51	50	91.184	7.572,923	104.485,643	13,797	13,331
2	1	99.126	89.909,974	1.803.865,527	20,063	19,597	52	51	90.482	7.156,813	96.912,721	13,541	13,075
3	2	99.070	85.580,646	1.713.955,553	20,027	19,561	53	52	89.702	6.757,219	89.755,907	13,283	12,817
4	3	99.033	81.474,397	1.628.374,907	19,986	19,520	54	53	88.868	6.375,663	82.998,688	13,018	12,552
5	4	99.002	77.570,941	1.546.900,510	19,942	19,475	55	54	87.986	6.011,788	76.623,026	12,745	12,279
6	5	98.976	73.857,430	1.469.329,569	19,894	19,428	56	55	87.024	5.662,889	70.611,238	12,469	12,003
7	6	98.952	70.323,017	1.395.472,140	19,844	19,377	57	56	86.015	5.330,728	64.948,350	12,184	11,717
8	7	98.930	66.959,861	1.325.149,123	19,790	19,324	58	57	84.929	5.012,748	59.617,622	11,893	11,427
9	8	98.910	63.758,161	1.258.189,262	19,734	19,267	59	58	83.744	4.707,445	54.604,874	11,600	11,133
10	9	98.891	60.710,547	1.194.431,101	19,674	19,208	60	59	82.465	4.414,794	49.897,429	11,302	10,836
11	10	98.875	57.810,400	1.133.720,554	19,611	19,145	61	60	81.122	4.136,094	45.482,635	10,997	10,530
12	11	98.853	55.044,940	1.075.910,154	19,546	19,080	62	61	79.706	3.870,402	41.346,541	10,683	10,216
13	12	98.831	52.411,991	1.020.865,214	19,478	19,011	63	62	78.190	3.615,983	37.476,139	10,364	9,898
14	13	98.809	49.905,471	968.453,223	19,406	18,939	64	63	76.575	3.372,669	33.860,156	10,040	9,573
15	14	98.782	47.515,647	918.547,752	19,331	18,865	65	64	74.854	3.139,870	30.487,487	9,710	9,243
16	15	98.747	45.237,051	871.032,105	19,255	18,788	66	65	73.005	2.916,497	27.347,616	9,377	8,910
17	16	98.691	43.058,709	825.795,054	19,178	18,712	67	66	71.024	2.702,216	24.431,119	9,041	8,575
18	17	98.620	40.978,829	782.736,345	19,101	18,635	68	67	68.873	2.495,606	21.728,903	8,707	8,240
19	18	98.524	38.989,274	741.757,516	19,025	18,558	69	68	66.561	2.296,992	19.233,297	8,373	7,907
20	19	98.416	37.092,064	702.768,242	18,947	18,480	70	69	64.105	2.106,900	16.936,305	8,038	7,572
21	20	98.314	35.289,133	665.676,178	18,863	18,397	71	70	61.483	1.924,478	14.829,405	7,706	7,239
22	21	98.206	33.571,739	630.387,044	18,777	18,311	72	71	58.700	1.749,888	12.904,927	7,375	6,908
23	22	98.108	31.941,161	596.815,305	18,685	18,218	73	72	55.716	1.581,821	11.155,039	7,052	6,586
24	23	98.009	30.389,376	564.874,144	18,588	18,121	74	73	52.589	1.421,960	9.573,218	6,732	6,266
25	24	97.912	28.913,717	534.484,768	18,486	18,019	75	74	49.330	1.270,334	8.151,258	6,417	5,950
26	25	97.814	27.509,256	505.571,050	18,378	17,912	76	75	45.979	1.127,640	6.880,924	6,102	5,636
27	26	97.720	26.174,112	478.061,795	18,265	17,798	77	76	42.552	993,912	5.753,284	5,789	5,322
28	27	97.623	24.902,925	451.887,683	18,146	17,680	78	77	39.059	868,869	4.759,372	5,478	5,011
29	28	97.522	23.692,732	426.984,757	18,022	17,555	79	78	35.494	751,976	3.890,503	5,174	4,707
30	29	97.425	22.541,943	403.292,026	17,891	17,424	80	79	31.903	643,701	3.138,527	4,876	4,409
31	30	97.325	21.446,554	380.750,083	17,753	17,287	81	80	28.289	543,616	2.494,826	4,589	4,123
32	31	97.217	20.402,477	359.303,529	17,611	17,144	82	81	24.702	452,071	1.951,211	4,316	3,850
33	32	97.102	19.408,077	338.901,052	17,462	16,995	83	82	21.136	368,384	1.499,140	4,070	3,603
34	33	96.983	18.461,102	319.492,975	17,306	16,840	84	83	17.755	294,730	1.130,756	3,837	3,370
35	34	96.851	17.558,191	301.031,873	17,145	16,678	85	84	14.665	231,848	836,026	3,606	3,140
36	35	96.705	16.696,755	283.473,683	16,978	16,511	86	85	11.920	179,466	604,177	3,367	2,900
37	36	96.546	15.875,590	266.776,927	16,804	16,338	87	86	9.443	135,405	424,711	3,137	2,670
38	37	96.375	15.092,803	250.901,338	16,624	16,158	88	87	7.216	98,543	289,306	2,936	2,469
39	38	96.183	14.345,489	235.808,534	16,438	15,971	89	88	5.312	69,086	190,763	2,761	2,295
40	39	95.968	13.631,771	221.463,045	16,246	15,780	90	89	3.784	46,868	121,677	2,596	2,130
41	40	95.726	12.949,909	207.831,275	16,049	15,582	91	90	2.598	30,644	74,808	2,441	1,975
42	41	95.461	12.299,108	194.881,366	15,845	15,379	92	91	1.711	19,221	44,165	2,298	1,831
43	42	95.156	11.676,048	182.582,258	15,637	15,171	93	92	1.071	11,455	24,944	2,177	1,711
44	43	94.814	11.080,043	170.906,210	15,425	14,958	94	93	640	6,522	13,488	2,068	1,602
45	44	94.436	10.510,451	159.826,167	15,206	14,740	95	94	365	3,539	6,966	1,969	1,502
46	45	94.015	9.965,261	149.315,716	14,984	14,517	96	95	197	1,825	3,428	1,878	1,412
47	46	93.547	9.443,509	139.350,456	14,756	14,290	97	96	101	0,892	1,603	1,796	1,330
48	47	93.029	8.944,017	129.906,947	14,524	14,058	98	97	49	0,413	0,710	1,722	1,255
49	48	92.469	8.466,839	120.962,929	14,287	13,820	99	98	23	0,180	0,298	1,654	1,187
							100	99	10	0,074	0,118	1,592	1,126

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 2 Jahre

Zinsfuß 5,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	48	92.054	8.027,464	113.365,777	14,122	13,656
1							51	49	91.404	7.591,193	105.338,313	13,876	13,410
2	0	99.504	90.252,658	1.805.512,352	20,005	19,539	52	50	90.711	7.174,942	97.747,121	13,623	13,157
3	1	99.106	85.611,307	1.715.259,695	20,035	19,569	53	51	89.952	6.776,038	90.572,179	13,367	12,900
4	2	99.052	81.490,509	1.629.648,388	19,998	19,532	54	52	89.138	6.394,996	83.796,141	13,103	12,637
5	3	99.019	77.584,258	1.548.157,879	19,955	19,488	55	53	88.265	6.030,830	77.401,145	12,834	12,368
6	4	98.989	73.866,970	1.470.573,621	19,908	19,442	56	54	87.328	5.682,654	71.370,315	12,559	12,093
7	5	98.964	70.332,211	1.396.706,651	19,859	19,392	57	55	86.342	5.350,991	65.687,661	12,276	11,809
8	6	98.939	66.966,032	1.326.374,440	19,807	19,340	58	56	85.271	5.032,954	60.336,670	11,988	11,522
9	7	98.918	63.763,714	1.259.408,408	19,751	19,285	59	57	84.119	4.728,549	55.303,716	11,696	11,229
10	8	98.901	60.716,375	1.195.644,694	19,692	19,226	60	58	82.864	4.436,157	50.575,167	11,401	10,934
11	9	98.882	57.814,136	1.134.928,319	19,631	19,164	61	59	81.536	4.157,229	46.139,010	11,099	10,632
12	10	98.861	55.049,569	1.077.114,184	19,566	19,100	62	60	80.147	3.891,824	41.981,781	10,787	10,321
13	11	98.840	52.416,907	1.022.064,614	19,499	19,032	63	61	78.633	3.636,446	38.089,957	10,474	10,008
14	12	98.818	49.909,710	969.647,708	19,428	18,962	64	62	77.060	3.394,027	34.453,511	10,151	9,685
15	13	98.791	47.520,251	919.737,998	19,355	18,888	65	63	75.367	3.161,374	31.059,484	9,825	9,358
16	14	98.758	45.242,323	872.217,747	19,279	18,812	66	64	73.543	2.937,982	27.898,110	9,496	9,029
17	15	98.709	43.066,404	826.975,424	19,202	18,736	67	65	71.609	2.724,468	24.960,128	9,161	8,695
18	16	98.641	40.987,509	783.909,020	19,126	18,659	68	66	69.502	2.518,414	22.235,660	8,829	8,363
19	17	98.546	38.997,854	742.921,511	19,050	18,584	69	67	67.245	2.320,581	19.717,246	8,497	8,030
20	18	98.445	37.102,735	703.923,657	18,972	18,506	70	68	64.847	2.131,277	17.396,665	8,163	7,696
21	19	98.341	35.298,919	666.820,922	18,891	18,424	71	69	62.277	1.949,348	15.265,388	7,831	7,365
22	20	98.237	33.582,346	631.522,004	18,805	18,339	72	70	59.547	1.775,119	13.316,041	7,501	7,035
23	21	98.132	31.948,978	597.939,657	18,715	18,249	73	71	56.634	1.607,888	11.540,922	7,178	6,711
24	22	98.035	30.397,606	565.990,679	18,620	18,153	74	72	53.555	1.448,068	9.933,034	6,860	6,393
25	23	97.938	28.921,263	535.593,073	18,519	18,053	75	73	50.356	1.296,752	8.484,966	6,543	6,077
26	24	97.840	27.516,731	506.671,810	18,413	17,947	76	74	47.050	1.153,905	7.188,214	6,229	5,763
27	25	97.744	26.180,554	479.155,078	18,302	17,836	77	75	43.685	1.020,368	6.034,309	5,914	5,447
28	26	97.650	24.909,899	452.974,524	18,185	17,718	78	76	40.223	894,771	5.013,942	5,604	5,137
29	27	97.551	23.699,639	428.064,625	18,062	17,596	79	77	36.688	777,263	4.119,171	5,300	4,833
30	28	97.454	22.548,636	404.364,987	17,933	17,467	80	78	33.131	668,476	3.341,908	4,999	4,533
31	29	97.354	21.452,833	381.816,351	17,798	17,332	81	79	29.532	567,488	2.673,432	4,711	4,245
32	30	97.248	20.409,160	360.363,518	17,657	17,191	82	80	25.967	475,221	2.105,945	4,432	3,965
33	31	97.137	19.415,012	339.954,358	17,510	17,043	83	81	22.383	390,131	1.630,723	4,180	3,714
34	32	97.017	18.467,668	320.539,346	17,357	16,890	84	82	18.982	315,093	1.240,592	3,937	3,471
35	33	96.890	17.565,209	302.071,678	17,197	16,731	85	83	15.797	249,745	925,499	3,706	3,239
36	34	96.750	16.704,587	284.506,468	17,032	16,565	86	84	12.961	195,149	675,755	3,463	2,996
37	35	96.595	15.883,721	267.801,882	16,860	16,394	87	85	10.341	148,279	480,606	3,241	2,775
38	36	96.429	15.101,342	251.918,160	16,682	16,215	88	86	8.025	109,591	332,327	3,032	2,566
39	37	96.242	14.354,291	236.816,818	16,498	16,032	89	87	6.022	78,318	222,735	2,844	2,378
40	38	96.035	13.641,313	222.462,526	16,308	15,842	90	88	4.357	53,966	144,417	2,676	2,210
41	39	95.802	12.960,280	208.821,213	16,112	15,646	91	89	3.050	35,976	90,451	2,514	2,048
42	40	95.544	12.309,817	195.860,933	15,911	15,445	92	90	2.045	22,977	54,475	2,371	1,904
43	41	95.250	11.687,601	183.551,116	15,705	15,238	93	91	1.317	14,097	31,498	2,234	1,768
44	42	94.920	11.092,518	171.863,515	15,494	15,027	94	92	805	8,208	17,401	2,120	1,654
45	43	94.559	10.524,111	160.770,996	15,276	14,810	95	93	470	4,560	9,193	2,016	1,550
46	44	94.146	9.979,152	150.246,885	15,056	14,590	96	94	261	2,411	4,633	1,921	1,455
47	45	93.696	9.458,510	140.267,734	14,830	14,363	97	95	137	1,210	2,222	1,835	1,369
48	46	93.197	8.960,109	130.809,223	14,599	14,133	98	96	69	0,575	1,011	1,757	1,291
49	47	92.649	8.483,337	121.849,114	14,363	13,897	99	97	32	0,258	0,436	1,686	1,220
							100	98	14	0,109	0,177	1,622	1,155

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 3 Jahre

Zinsfuß 5,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	47	92.234	8.043,105	114.169,557	14,195	13,728
1							51	48	91.598	7.607,320	106.126,452	13,951	13,484
2							52	49	90.930	7.192,252	98.519,133	13,698	13,232
3	0	99.484	85.937,607	1.716.787,343	19,977	19,511	53	50	90.179	6.793,202	91.326,881	13,444	12,977
4	1	99.088	81.519,704	1.630.849,737	20,006	19,539	54	51	89.386	6.412,806	84.533,679	13,182	12,716
5	2	99.039	77.599,600	1.549.330,033	19,966	19,499	55	52	88.533	6.049,118	78.120,873	12,914	12,448
6	3	99.006	73.879,651	1.471.730,432	19,921	19,454	56	53	87.604	5.700,654	72.071,756	12,643	12,176
7	4	98.977	70.341,296	1.397.850,781	19,872	19,406	57	54	86.644	5.369,668	66.371,101	12,360	11,894
8	5	98.952	66.974,787	1.327.509,485	19,821	19,355	58	55	85.595	5.052,086	61.001,433	12,075	11,608
9	6	98.928	63.769,590	1.260.534,698	19,767	19,301	59	56	84.459	4.747,609	55.949,348	11,785	11,318
10	7	98.909	60.721,664	1.196.765,108	19,709	19,243	60	57	83.235	4.456,044	51.201,738	11,490	11,024
11	8	98.891	57.819,686	1.136.043,445	19,648	19,182	61	58	81.931	4.177,345	46.745,694	11,190	10,724
12	9	98.868	55.053,127	1.078.223,759	19,585	19,119	62	59	80.557	3.911,710	42.568,349	10,882	10,416
13	10	98.848	52.421,315	1.023.170,632	19,518	19,052	63	60	79.068	3.656,573	38.656,639	10,572	10,105
14	11	98.827	49.914,391	970.749,317	19,448	18,982	64	61	77.496	3.413,235	35.000,066	10,254	9,788
15	12	98.800	47.524,287	920.834,927	19,376	18,910	65	62	75.844	3.181,394	31.586,831	9,929	9,462
16	13	98.768	45.246,707	873.310,639	19,301	18,835	66	63	74.047	2.958,103	28.405,437	9,603	9,136
17	14	98.720	43.071,423	828.063,933	19,225	18,759	67	64	72.136	2.744,538	25.447,334	9,272	8,806
18	15	98.659	40.994,834	784.992,510	19,149	18,682	68	65	70.075	2.539,152	22.702,796	8,941	8,475
19	16	98.567	39.006,114	743.997,676	19,074	18,607	69	66	67.859	2.341,790	20.163,644	8,610	8,144
20	17	98.466	37.110,900	704.991,561	18,997	18,530	70	67	65.513	2.153,163	17.821,854	8,277	7,811
21	18	98.370	35.309,073	667.880,662	18,915	18,449	71	68	62.998	1.971,901	15.668,691	7,946	7,480
22	19	98.264	33.591,658	632.571,589	18,831	18,365	72	69	60.316	1.798,059	13.696,789	7,618	7,151
23	20	98.163	31.959,073	598.979,930	18,742	18,276	73	70	57.450	1.631,072	11.898,731	7,295	6,829
24	21	98.059	30.405,045	567.020,858	18,649	18,183	74	71	54.437	1.471,931	10.267,659	6,976	6,509
25	22	97.964	28.929,095	536.615,812	18,549	18,083	75	72	51.281	1.320,561	8.795,728	6,661	6,194
26	23	97.866	27.523,913	507.686,717	18,445	17,979	76	73	48.028	1.177,901	7.475,168	6,346	5,880
27	24	97.771	26.187,669	480.162,804	18,335	17,869	77	74	44.703	1.044,134	6.297,266	6,031	5,565
28	25	97.674	24.916,030	453.975,136	18,220	17,754	78	75	41.294	918,587	5.253,132	5,719	5,252
29	26	97.578	23.706,275	429.059,106	18,099	17,633	79	76	37.782	800,434	4.334,545	5,415	4,949
30	27	97.482	22.555,209	405.352,830	17,972	17,505	80	77	34.245	690,955	3.534,111	5,115	4,648
31	28	97.383	21.459,203	382.797,621	17,838	17,372	81	78	30.668	589,329	2.843,156	4,824	4,358
32	29	97.277	20.415,135	361.338,419	17,700	17,233	82	79	27.107	496,090	2.253,827	4,543	4,077
33	30	97.169	19.421,371	340.923,283	17,554	17,088	83	80	23.529	410,110	1.757,737	4,286	3,820
34	31	97.052	18.474,268	321.501,912	17,403	16,936	84	81	20.102	333,694	1.347,628	4,039	3,572
35	32	96.924	17.571,457	303.027,645	17,245	16,779	85	82	16.889	266,999	1.013,934	3,798	3,331
36	33	96.789	16.711,264	285.456,187	17,082	16,615	86	83	13.962	210,212	746,934	3,553	3,087
37	34	96.641	15.891,171	268.744,923	16,912	16,445	87	84	11.244	161,237	536,722	3,329	2,862
38	35	96.479	15.109,078	252.853,752	16,735	16,269	88	85	8.788	120,011	375,486	3,129	2,662
39	36	96.296	14.362,413	237.744,674	16,553	16,087	89	86	6.697	87,099	255,474	2,933	2,467
40	37	96.094	13.649,683	223.382,261	16,365	15,899	90	87	4.939	61,178	168,376	2,752	2,286
41	38	95.869	12.969,353	209.732,578	16,171	15,705	91	88	3.511	41,425	107,198	2,588	2,121
42	39	95.620	12.319,676	196.763,226	15,971	15,505	92	89	2.401	26,975	65,773	2,438	1,972
43	40	95.333	11.697,778	184.443,550	15,767	15,301	93	90	1.575	16,852	38,798	2,302	1,836
44	41	95.014	11.103,494	172.745,771	15,558	15,091	94	91	991	10,101	21,946	2,173	1,706
45	42	94.666	10.535,961	161.642,277	15,342	14,876	95	92	591	5,739	11,845	2,064	1,598
46	43	94.268	9.992,122	151.106,317	15,123	14,656	96	93	336	3,107	6,107	1,965	1,499
47	44	93.826	9.471,695	141.114,195	14,899	14,432	97	94	182	1,599	3,000	1,876	1,409
48	45	93.345	8.974,343	131.642,500	14,669	14,202	98	95	93	0,781	1,400	1,794	1,327
49	46	92.816	8.498,600	122.668,157	14,434	13,968	99	96	45	0,360	0,620	1,720	1,253
							100	97	21	0,157	0,259	1,652	1,186

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 4 Jahre

Zinsfuß 5,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	46	92.399	8.057,576	114.911,707	14,261	13,795
1							51	47	91.776	7.622,142	106.854,130	14,019	13,553
2							52	48	91.123	7.207,531	99.231,988	13,768	13,301
3							53	49	90.397	6.809,590	92.024,457	13,514	13,048
4	0	99.465	81.830,409	1.632.266,254	19,947	19,481	54	50	89.613	6.429,050	85.214,867	13,255	12,788
5	1	99.074	77.627,402	1.550.435,845	19,973	19,506	55	51	88.779	6.065,964	78.785,817	12,988	12,522
6	2	99.025	73.894,261	1.472.808,443	19,931	19,465	56	52	87.870	5.717,941	72.719,852	12,718	12,251
7	3	98.994	70.353,372	1.398.914,182	19,884	19,418	57	53	86.918	5.386,677	67.001,912	12,438	11,972
8	4	98.965	66.983,438	1.328.560,811	19,834	19,368	58	54	85.894	5.069,719	61.615,235	12,154	11,687
9	5	98.940	63.777,927	1.261.577,372	19,781	19,314	59	55	84.780	4.765,656	56.545,516	11,865	11,399
10	6	98.918	60.727,259	1.197.799,445	19,724	19,258	60	56	83.571	4.474,006	51.779,860	11,573	11,107
11	7	98.900	57.824,722	1.137.072,186	19,664	19,198	61	57	82.298	4.196,073	47.305,853	11,274	10,807
12	8	98.877	55.058,412	1.079.247,464	19,602	19,135	62	58	80.947	3.930,639	43.109,781	10,968	10,501
13	9	98.855	52.424,702	1.024.189,052	19,536	19,070	63	59	79.472	3.675,257	39.179,142	10,660	10,194
14	10	98.835	49.918,588	971.764,350	19,467	19,001	64	60	77.925	3.432,126	35.503,885	10,345	9,878
15	11	98.809	47.528,745	921.845,761	19,396	18,929	65	61	76.273	3.199,398	32.071,759	10,024	9,558
16	12	98.776	45.250,550	874.317,017	19,322	18,855	66	62	74.516	2.976,836	28.872,361	9,699	9,233
17	13	98.730	43.075,597	829.066,467	19,247	18,780	67	63	72.630	2.763,334	25.895,525	9,371	8,905
18	14	98.670	40.999,611	785.990,871	19,171	18,704	68	64	70.591	2.557,857	23.132,191	9,044	8,577
19	15	98.584	39.013,085	744.991,259	19,096	18,630	69	65	68.418	2.361,073	20.574,334	8,714	8,248
20	16	98.487	37.118,761	705.978,174	19,019	18,553	70	66	66.112	2.172,842	18.213,260	8,382	7,916
21	17	98.391	35.316,844	668.859,414	18,939	18,472	71	67	63.645	1.992,152	16.040,418	8,052	7,585
22	18	98.293	33.601,322	633.542,570	18,855	18,388	72	68	61.014	1.818,862	14.048,267	7,724	7,257
23	19	98.190	31.967,935	599.941,249	18,767	18,301	73	69	58.193	1.652,150	12.229,405	7,402	6,936
24	20	98.090	30.414,652	567.973,314	18,674	18,208	74	70	55.222	1.493,154	10.577,255	7,084	6,617
25	21	97.988	28.936,175	537.558,662	18,577	18,111	75	71	52.126	1.342,323	9.084,101	6,767	6,301
26	22	97.893	27.531,366	508.622,487	18,474	18,008	76	72	48.910	1.199,528	7.741,778	6,454	5,988
27	23	97.796	26.194,503	481.091,121	18,366	17,900	77	73	45.632	1.065,848	6.542,251	6,138	5,672
28	24	97.701	24.922,801	454.896,618	18,252	17,786	78	74	42.256	939,983	5.476,402	5,826	5,360
29	25	97.602	23.712,110	429.973,817	18,133	17,667	79	75	38.787	821,740	4.536,419	5,521	5,054
30	26	97.510	22.561,525	406.261,707	18,007	17,540	80	76	35.266	711,553	3.714,680	5,221	4,754
31	27	97.411	21.465,458	383.700,181	17,875	17,409	81	77	31.700	609,146	3.003,127	4,930	4,464
32	28	97.306	20.421,197	362.234,723	17,738	17,272	82	78	28.150	515,183	2.393,981	4,647	4,180
33	29	97.197	19.427,057	341.813,526	17,595	17,128	83	79	24.563	428,119	1.878,797	4,388	3,922
34	30	97.084	18.480,318	322.386,469	17,445	16,978	84	80	21.132	350,782	1.450,678	4,136	3,669
35	31	96.959	17.577,736	303.906,150	17,289	16,823	85	81	17.886	282,761	1.099,896	3,890	3,423
36	32	96.823	16.717,208	286.328,414	17,128	16,661	86	82	14.926	224,736	817,135	3,636	3,170
37	33	96.679	15.897,524	269.611,206	16,959	16,493	87	83	12.112	173,682	592,399	3,411	2,944
38	34	96.524	15.116,164	253.713,682	16,784	16,318	88	84	9.556	130,498	418,717	3,209	2,742
39	35	96.346	14.369,769	238.597,518	16,604	16,138	89	85	7.333	95,380	288,219	3,022	2,555
40	36	96.148	13.657,406	224.227,748	16,418	15,952	90	86	5.493	68,037	192,838	2,834	2,368
41	37	95.928	12.977,310	210.570,342	16,226	15,760	91	87	3.981	46,961	124,801	2,658	2,191
42	38	95.687	12.328,300	197.593,032	16,028	15,561	92	88	2.765	31,061	77,841	2,506	2,040
43	39	95.409	11.707,147	185.264,732	15,825	15,359	93	89	1.849	19,784	46,780	2,365	1,898
44	40	95.097	11.113,162	173.557,585	15,617	15,151	94	90	1.185	12,074	26,996	2,236	1,769
45	41	94.759	10.546,386	162.444,423	15,403	14,936	95	91	728	7,062	14,922	2,113	1,647
46	42	94.374	10.003,372	151.898,037	15,185	14,718	96	92	423	3,910	7,860	2,010	1,544
47	43	93.948	9.484,006	141.894,665	14,961	14,495	97	93	234	2,061	3,949	1,916	1,450
48	44	93.475	8.986,852	132.410,659	14,734	14,267	98	94	123	1,031	1,889	1,831	1,365
49	45	92.963	8.512,100	123.423,807	14,500	14,033	99	95	61	0,489	0,857	1,754	1,287
							100	96	29	0,219	0,368	1,683	1,217

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 5 Jahre

Zinsfuß 5,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	45	92.546	8.070,376	115.595,804	14,323	13,857
1							51	46	91.942	7.635,856	107.525,428	14,082	13,615
2							52	47	91.301	7.221,574	99.889,572	13,832	13,366
3							53	48	90.589	6.824,057	92.667,998	13,580	13,113
4							54	49	89.829	6.444,560	85.843,941	13,320	12,854
5	0	99.452	77.923,272	1.551.748,907	19,914	19,447	55	50	89.004	6.081,330	79.399,381	13,056	12,590
6	1	99.061	73.920,735	1.473.825,635	19,938	19,472	56	51	88.115	5.733,865	73.318,051	12,787	12,320
7	2	99.014	70.367,284	1.399.904,900	19,894	19,428	57	52	87.182	5.403,011	67.584,186	12,509	12,042
8	3	98.982	66.994,938	1.329.537,616	19,845	19,379	58	53	86.166	5.085,778	62.181,175	12,226	11,760
9	4	98.953	63.786,166	1.262.542,678	19,793	19,327	59	54	85.076	4.782,290	57.095,397	11,939	11,473
10	5	98.931	60.735,199	1.198.756,512	19,737	19,271	60	55	83.888	4.491,013	52.313,107	11,648	11,182
11	6	98.909	57.830,051	1.138.021,314	19,679	19,212	61	56	82.630	4.212,987	47.822,094	11,351	10,885
12	7	98.886	55.063,207	1.080.191,263	19,617	19,151	62	57	81.310	3.948,260	43.609,107	11,045	10,579
13	8	98.864	52.429,735	1.025.128,056	19,552	19,086	63	58	79.856	3.693,042	39.660,847	10,739	10,273
14	9	98.842	49.921,814	972.698,321	19,484	19,018	64	59	78.323	3.449,663	35.967,806	10,426	9,960
15	10	98.817	47.532,742	922.776,506	19,413	18,947	65	60	76.695	3.217,106	32.518,142	10,108	9,641
16	11	98.786	45.254,794	875.243,765	19,340	18,874	66	61	74.938	2.993,682	29.301,037	9,788	9,321
17	12	98.738	43.079,255	829.988,971	19,267	18,800	67	62	73.090	2.780,834	26.307,354	9,460	8,994
18	13	98.680	41.003,584	786.909,716	19,191	18,725	68	63	71.074	2.575,375	23.526,521	9,135	8,669
19	14	98.596	39.017,631	745.906,132	19,117	18,651	69	64	68.922	2.378,467	20.951,146	8,809	8,342
20	15	98.505	37.125,394	706.888,500	19,041	18,574	70	65	66.656	2.190,735	18.572,680	8,478	8,011
21	16	98.412	35.324,324	669.763,107	18,960	18,494	71	66	64.226	2.010,359	16.381,945	8,149	7,682
22	17	98.314	33.608,716	634.438,782	18,877	18,411	72	67	61.641	1.837,540	14.371,586	7,821	7,355
23	18	98.219	31.977,131	600.830,066	18,789	18,323	73	68	58.866	1.671,265	12.534,046	7,500	7,033
24	19	98.117	30.423,085	568.852,935	18,698	18,232	74	69	55.936	1.512,450	10.862,781	7,182	6,716
25	20	98.019	28.945,318	538.429,850	18,602	18,135	75	70	52.878	1.361,677	9.350,331	6,867	6,400
26	21	97.916	27.538,104	509.484,532	18,501	18,035	76	71	49.716	1.219,295	7.988,654	6,552	6,085
27	22	97.823	26.201,597	481.946,428	18,394	17,927	77	72	46.470	1.085,417	6.769,359	6,237	5,770
28	23	97.726	24.929,305	455.744,831	18,281	17,815	78	73	43.134	959,531	5.683,941	5,924	5,457
29	24	97.629	23.718,554	430.815,526	18,164	17,697	79	74	39.691	840,879	4.724,410	5,618	5,152
30	25	97.534	22.567,078	407.096,972	18,039	17,573	80	75	36.204	730,493	3.883,531	5,316	4,850
31	26	97.438	21.471,469	384.529,894	17,909	17,442	81	76	32.645	627,306	3.153,038	5,026	4,560
32	27	97.334	20.427,150	363.058,424	17,773	17,307	82	77	29.097	532,507	2.525,732	4,743	4,277
33	28	97.226	19.432,825	342.631,274	17,632	17,165	83	78	25.508	444,597	1.993,225	4,483	4,017
34	29	97.112	18.485,729	323.198,449	17,484	17,017	84	79	22.060	366,186	1.548,629	4,229	3,763
35	30	96.991	17.583,493	304.712,719	17,329	16,863	85	80	18.802	297,241	1.182,442	3,978	3,512
36	31	96.858	16.723,182	287.129,226	17,170	16,703	86	81	15.807	238,003	885,201	3,719	3,253
37	32	96.714	15.903,178	270.406,044	17,003	16,537	87	82	12.949	185,682	647,198	3,486	3,019
38	33	96.563	15.122,207	254.502,865	16,830	16,363	88	83	10.293	140,571	461,516	3,283	2,817
39	34	96.391	14.376,509	239.380,659	16,651	16,184	89	84	7.974	103,715	320,945	3,094	2,628
40	35	96.197	13.664,402	225.004,149	16,466	16,000	90	85	6.015	74,506	217,230	2,916	2,449
41	36	95.982	12.984,653	211.339,748	16,276	15,810	91	86	4.427	52,226	142,724	2,733	2,266
42	37	95.746	12.335,864	198.355,095	16,080	15,613	92	87	3.134	35,211	90,499	2,570	2,104
43	38	95.476	11.715,342	186.019,230	15,878	15,412	93	88	2.129	22,780	55,287	2,427	1,961
44	39	95.173	11.122,063	174.303,888	15,672	15,206	94	89	1.391	14,176	32,507	2,293	1,827
45	40	94.842	10.555,569	163.181,826	15,459	14,993	95	90	870	8,442	18,331	2,171	1,705
46	41	94.468	10.013,270	152.626,257	15,242	14,776	96	91	521	4,812	9,890	2,055	1,589
47	42	94.054	9.494,684	142.612,987	15,020	14,554	97	92	295	2,594	5,078	1,958	1,491
48	43	93.596	8.998,533	133.118,303	14,793	14,327	98	93	159	1,329	2,484	1,869	1,403
49	44	93.093	8.523,966	124.119,770	14,561	14,095	99	94	81	0,646	1,155	1,788	1,322
							100	95	39	0,297	0,509	1,715	1,248

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 6 Jahre

Zinsfuß 5,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	44	92.675	8.081,626	116.225,371	14,381	13,915
1							51	45	92.088	7.647,986	108.143,745	14,140	13,674
2							52	46	91.465	7.234,568	100.495,759	13,891	13,425
3							53	47	90.766	6.837,353	93.261,192	13,640	13,174
4							54	48	90.020	6.458,251	86.423,839	13,382	12,916
5							55	49	89.219	6.096,001	79.965,587	13,118	12,651
6	0	99.438	74.202,477	1.475.042,518	19,879	19,412	56	50	88.338	5.748,389	73.869,586	12,850	12,384
7	1	99.049	70.392,495	1.400.840,041	19,900	19,434	57	51	87.425	5.418,058	68.121,197	12,573	12,107
8	2	99.002	67.008,186	1.330.447,546	19,855	19,389	58	52	86.427	5.101,200	62.703,139	12,292	11,825
9	3	98.970	63.797,116	1.263.439,360	19,804	19,338	59	53	85.345	4.797,438	57.601,939	12,007	11,540
10	4	98.944	60.743,044	1.199.642,244	19,749	19,283	60	54	84.181	4.506,688	52.804,501	11,717	11,251
11	5	98.922	57.837,611	1.138.899,200	19,691	19,225	61	55	82.944	4.229,002	48.297,812	11,421	10,954
12	6	98.895	55.068,282	1.081.061,589	19,631	19,165	62	56	81.637	3.964,175	44.068,811	11,117	10,650
13	7	98.873	52.434,302	1.025.993,307	19,567	19,101	63	57	80.214	3.709,598	40.104,636	10,811	10,345
14	8	98.851	49.926,607	973.559,005	19,500	19,033	64	58	78.702	3.466,356	36.395,038	10,500	10,033
15	9	98.824	47.535,813	923.632,399	19,430	18,964	65	59	77.087	3.233,544	32.928,682	10,183	9,717
16	10	98.794	45.258,599	876.096,585	19,358	18,891	66	60	75.352	3.010,252	29.695,138	9,865	9,398
17	11	98.748	43.083,296	830.837,986	19,284	18,818	67	61	73.504	2.796,571	26.684,886	9,542	9,076
18	12	98.688	41.007,067	787.754,690	19,210	18,744	68	62	71.524	2.591,684	23.888,315	9,217	8,751
19	13	98.605	39.021,412	746.747,623	19,137	18,670	69	63	69.394	2.394,755	21.296,632	8,893	8,427
20	14	98.516	37.129,720	707.726,211	19,061	18,595	70	64	67.147	2.206,873	18.901,876	8,565	8,099
21	15	98.430	35.330,637	670.596,491	18,981	18,514	71	65	64.755	2.026,913	16.695,003	8,237	7,770
22	16	98.335	33.615,835	635.265,854	18,898	18,431	72	66	62.204	1.854,334	14.668,090	7,910	7,444
23	17	98.240	31.984,168	601.650,019	18,811	18,344	73	67	59.470	1.688,428	12.813,756	7,589	7,123
24	18	98.146	30.431,837	569.665,851	18,719	18,253	74	68	56.583	1.529,949	11.125,327	7,272	6,805
25	19	98.046	28.953,344	539.234,014	18,624	18,158	75	69	53.561	1.379,274	9.595,379	6,957	6,490
26	20	97.947	27.546,805	510.280,670	18,524	18,058	76	70	50.433	1.236,875	8.216,105	6,643	6,176
27	21	97.846	26.208,009	482.733,865	18,419	17,953	77	71	47.236	1.103,304	6.979,229	6,326	5,859
28	22	97.753	24.936,056	456.525,856	18,308	17,841	78	72	43.926	977,148	5.875,925	6,013	5,547
29	23	97.654	23.724,744	431.589,799	18,192	17,725	79	73	40.516	858,366	4.898,777	5,707	5,241
30	24	97.560	22.573,211	407.865,055	18,069	17,602	80	74	37.048	747,507	4.040,410	5,405	4,939
31	25	97.462	21.476,754	385.291,844	17,940	17,474	81	75	33.514	644,003	3.292,903	5,113	4,647
32	26	97.361	20.432,870	363.815,090	17,805	17,339	82	76	29.964	548,382	2.648,900	4,830	4,364
33	27	97.254	19.438,490	343.382,220	17,665	17,199	83	77	26.366	459,547	2.100,518	4,571	4,104
34	28	97.141	18.491,218	323.943,729	17,519	17,052	84	78	22.909	380,280	1.640,971	4,315	3,849
35	29	97.019	17.588,642	305.452,512	17,366	16,900	85	79	19.627	310,294	1.260,691	4,063	3,596
36	30	96.889	16.728,659	287.863,870	17,208	16,741	86	80	16.617	250,191	950,397	3,799	3,332
37	31	96.748	15.908,861	271.135,210	17,043	16,577	87	81	13.714	196,643	700,206	3,561	3,094
38	32	96.597	15.127,586	255.226,349	16,872	16,405	88	82	11.004	150,283	503,562	3,351	2,884
39	33	96.429	14.382,256	240.098,763	16,694	16,228	89	83	8.590	111,721	353,279	3,162	2,696
40	34	96.242	13.670,811	225.716,507	16,511	16,044	90	84	6.540	81,016	241,559	2,982	2,515
41	35	96.032	12.991,304	212.045,696	16,322	15,856	91	85	4.848	57,191	160,542	2,807	2,341
42	36	95.800	12.342,844	199.054,393	16,127	15,661	92	86	3.485	39,159	103,351	2,639	2,173
43	37	95.535	11.722,531	186.711,549	15,928	15,461	93	87	2.413	25,825	64,192	2,486	2,019
44	38	95.240	11.129,848	174.989,018	15,722	15,256	94	88	1.602	16,322	38,367	2,351	1,884
45	39	94.918	10.564,023	163.859,170	15,511	15,045	95	89	1.021	9,911	22,045	2,224	1,758
46	40	94.550	10.021,989	153.295,147	15,296	14,829	96	90	622	5,752	12,134	2,109	1,643
47	41	94.147	9.504,079	143.273,158	15,075	14,609	97	91	363	3,192	6,382	1,999	1,533
48	42	93.702	9.008,665	133.769,080	14,849	14,383	98	92	199	1,673	3,190	1,907	1,441
49	43	93.214	8.535,044	124.760,415	14,617	14,151	99	93	104	0,832	1,518	1,823	1,357
							100	94	52	0,392	0,685	1,747	1,281

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 7 Jahre

Zinsfuß 5,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	43	92.796	8.092,130	116.804,528	14,434	13,968
1							51	44	92.216	7.658,646	108.712,399	14,195	13,728
2							52	45	91.611	7.246,060	101.053,752	13,946	13,480
3							53	46	90.929	6.849,655	93.807,693	13,695	13,229
4							54	47	90.195	6.470,835	86.958,037	13,438	12,972
5							55	48	89.408	6.108,952	80.487,203	13,175	12,709
6							56	49	88.551	5.762,257	74.378,251	12,908	12,441
7	0	99.427	70.660,789	1.401.967,643	19,841	19,374	57	50	87.646	5.431,782	68.615,994	12,632	12,166
8	1	99.037	67.032,193	1.331.306,853	19,861	19,394	58	51	86.668	5.115,407	63.184,211	12,352	11,885
9	2	98.990	63.809,732	1.264.274,660	19,813	19,347	59	52	85.604	4.811,986	58.068,805	12,068	11,601
10	3	98.961	60.753,472	1.200.464,928	19,760	19,293	60	53	84.448	4.520,963	53.256,819	11,780	11,314
11	4	98.935	57.845,082	1.139.711,456	19,703	19,236	61	54	83.234	4.243,762	48.735,855	11,484	11,018
12	5	98.908	55.075,481	1.081.866,373	19,643	19,177	62	55	81.948	3.979,244	44.492,093	11,181	10,715
13	6	98.882	52.439,134	1.026.790,892	19,581	19,114	63	56	80.538	3.724,551	40.512,849	10,877	10,411
14	7	98.860	49.930,955	974.351,759	19,514	19,048	64	57	79.055	3.481,896	36.788,298	10,566	10,099
15	8	98.833	47.540,377	924.420,803	19,445	18,979	65	58	77.460	3.249,191	33.306,402	10,251	9,784
16	9	98.800	45.261,524	876.880,426	19,374	18,907	66	59	75.737	3.025,633	30.057,211	9,934	9,468
17	10	98.756	43.086,919	831.618,902	19,301	18,835	67	60	73.910	2.812,049	27.031,578	9,613	9,146
18	11	98.698	41.010,913	788.531,984	19,227	18,761	68	61	71.929	2.606,351	24.219,529	9,293	8,826
19	12	98.614	39.024,726	747.521,071	19,155	18,689	69	62	69.834	2.409,921	21.613,178	8,968	8,502
20	13	98.526	37.133,318	708.496,344	19,080	18,613	70	63	67.607	2.221,987	19.203,258	8,642	8,176
21	14	98.441	35.334,754	671.363,026	19,000	18,534	71	64	65.232	2.041,845	16.981,271	8,317	7,850
22	15	98.353	33.621,842	636.028,272	18,917	18,451	72	65	62.716	1.869,604	14.939,426	7,991	7,524
23	16	98.261	31.990,943	602.406,430	18,831	18,364	73	66	60.014	1.703,859	13.069,822	7,671	7,204
24	17	98.167	30.438,534	570.415,487	18,740	18,274	74	67	57.164	1.545,660	11.365,963	7,353	6,887
25	18	98.075	28.961,673	539.976,952	18,645	18,178	75	68	54.181	1.395,232	9.820,302	7,038	6,572
26	19	97.975	27.554,443	511.015,279	18,546	18,079	76	69	51.085	1.252,860	8.425,070	6,725	6,258
27	20	97.877	26.216,290	483.460,836	18,441	17,975	77	70	47.917	1.119,212	7.172,210	6,408	5,942
28	21	97.776	24.942,159	457.244,546	18,332	17,866	78	71	44.650	993,251	6.052,998	6,094	5,628
29	22	97.681	23.731,169	432.302,387	18,217	17,750	79	72	41.260	874,126	5.059,747	5,788	5,322
30	23	97.586	22.579,102	408.571,218	18,095	17,629	80	73	37.818	763,052	4.185,621	5,485	5,019
31	24	97.489	21.482,590	385.992,116	17,968	17,501	81	74	34.294	659,003	3.422,569	5,194	4,727
32	25	97.385	20.437,899	364.509,526	17,835	17,369	82	75	30.762	562,979	2.763,565	4,909	4,442
33	26	97.282	19.443,934	344.071,626	17,696	17,229	83	76	27.152	473,247	2.200,587	4,650	4,184
34	27	97.169	18.496,608	324.627,693	17,551	17,084	84	77	23.679	393,068	1.727,340	4,395	3,928
35	28	97.048	17.593,864	306.131,084	17,400	16,933	85	78	20.383	322,237	1.334,272	4,141	3,674
36	29	96.918	16.733,557	288.537,220	17,243	16,777	86	79	17.347	261,177	1.012,035	3,875	3,408
37	30	96.780	15.914,072	271.803,663	17,079	16,613	87	80	14.416	206,713	750,858	3,632	3,166
38	31	96.631	15.132,992	255.889,591	16,909	16,443	88	81	11.654	159,155	544,145	3,419	2,953
39	32	96.464	14.387,372	240.756,599	16,734	16,267	89	82	9.183	119,439	384,990	3,223	2,757
40	33	96.281	13.676,275	226.369,227	16,552	16,086	90	83	7.045	87,270	265,550	3,043	2,576
41	34	96.077	12.997,397	212.692,952	16,364	15,898	91	84	5.272	62,189	178,280	2,867	2,400
42	35	95.849	12.349,166	199.695,555	16,171	15,704	92	85	3.817	42,882	116,092	2,707	2,241
43	36	95.589	11.729,163	187.346,389	15,973	15,506	93	86	2.684	28,720	73,209	2,549	2,083
44	37	95.298	11.136,677	175.617,226	15,769	15,303	94	87	1.816	18,504	44,489	2,404	1,938
45	38	94.984	10.571,418	164.480,548	15,559	15,093	95	88	1.176	11,412	25,986	2,277	1,811
46	39	94.626	10.030,016	153.909,131	15,345	14,878	96	89	731	6,753	14,574	2,158	1,692
47	40	94.229	9.512,354	143.879,115	15,126	14,659	97	90	433	3,815	7,820	2,050	1,583
48	41	93.794	9.017,578	134.366,761	14,901	14,434	98	91	245	2,058	4,005	1,946	1,479
49	42	93.319	8.544,654	125.349,183	14,670	14,203	99	92	131	1,047	1,947	1,859	1,392
							100	93	66	0,505	0,899	1,779	1,313

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 8 Jahre

Zinsfuß 5,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	42	92.900	8.101,241	117.336,496	14,484	14,017
1							51	43	92.336	7.668,600	109.235,255	14,244	13,778
2							52	44	91.738	7.256,161	101.566,655	13,997	13,531
3							53	45	91.073	6.860,536	94.310,494	13,747	13,280
4							54	46	90.357	6.482,477	87.449,958	13,490	13,024
5							55	47	89.583	6.120,855	80.967,481	13,228	12,762
6							56	48	88.739	5.774,499	74.846,627	12,962	12,495
7							57	49	87.858	5.444,887	69.072,128	12,686	12,219
8	0	99.415	67.287,680	1.332.351,672	19,801	19,334	58	50	86.888	5.128,364	63.627,241	12,407	11,941
9	1	99.025	63.832,593	1.265.063,991	19,818	19,352	59	51	85.842	4.825,387	58.498,877	12,123	11,657
10	2	98.981	60.765,486	1.201.231,398	19,768	19,302	60	52	84.704	4.534,673	53.673,490	11,836	11,370
11	3	98.952	57.855,013	1.140.465,912	19,712	19,246	61	53	83.497	4.257,205	49.138,817	11,543	11,076
12	4	98.920	55.082,596	1.082.610,899	19,654	19,188	62	54	82.234	3.993,133	44.881,613	11,240	10,773
13	5	98.895	52.445,989	1.027.528,303	19,592	19,126	63	55	80.844	3.738,709	40.888,480	10,937	10,470
14	6	98.869	49.935,556	975.082,314	19,527	19,060	64	56	79.374	3.495,931	37.149,771	10,627	10,160
15	7	98.842	47.544,518	925.146,758	19,459	18,992	65	57	77.808	3.263,758	33.653,840	10,311	9,845
16	8	98.810	45.265,869	877.602,240	19,388	18,921	66	58	76.104	3.040,274	30.390,082	9,996	9,529
17	9	98.762	43.089,703	832.336,371	19,316	18,850	67	59	74.288	2.826,418	27.349,808	9,676	9,210
18	10	98.706	41.014,362	789.246,668	19,243	18,777	68	60	72.327	2.620,776	24.523,390	9,357	8,891
19	11	98.623	39.028,387	748.232,306	19,171	18,705	69	61	70.229	2.423,559	21.902,614	9,037	8,571
20	12	98.534	37.136,472	709.203,919	19,097	18,631	70	62	68.035	2.236,058	19.479,055	8,711	8,245
21	13	98.451	35.338,178	672.067,447	19,018	18,552	71	63	65.679	2.055,828	17.242,997	8,387	7,921
22	14	98.364	33.625,761	636.729,269	18,936	18,469	72	64	63.178	1.883,377	15.187,169	8,064	7,597
23	15	98.279	31.996,660	603.103,509	18,849	18,383	73	65	60.508	1.717,890	13.303,792	7,744	7,278
24	16	98.188	30.444,982	571.106,849	18,759	18,292	74	66	57.686	1.559,787	11.585,902	7,428	6,961
25	17	98.096	28.968,046	540.661,867	18,664	18,198	75	67	54.737	1.409,560	10.026,115	7,113	6,647
26	18	98.003	27.562,370	511.693,820	18,565	18,099	76	68	51.676	1.267,355	8.616,555	6,799	6,332
27	19	97.905	26.223,559	484.131,450	18,462	17,995	77	69	48.536	1.133,676	7.349,200	6,483	6,016
28	20	97.807	24.950,040	457.907,891	18,353	17,887	78	70	45.294	1.007,572	6.215,524	6,169	5,702
29	21	97.705	23.736,977	432.957,852	18,240	17,773	79	71	41.940	888,531	5.207,952	5,861	5,395
30	22	97.612	22.585,217	409.220,875	18,119	17,653	80	72	38.512	777,062	4.319,421	5,559	5,092
31	23	97.514	21.488,197	386.635,658	17,993	17,527	81	73	35.007	672,708	3.542,358	5,266	4,799
32	24	97.412	20.443,453	365.147,461	17,861	17,395	82	74	31.478	576,091	2.869,651	4,981	4,515
33	25	97.306	19.448,720	344.704,008	17,724	17,257	83	75	27.875	485,843	2.293,559	4,721	4,254
34	26	97.196	18.501,788	325.255,288	17,580	17,113	84	76	24.385	404,786	1.807,716	4,466	3,999
35	27	97.076	17.598,993	306.753,500	17,430	16,964	85	77	21.068	333,073	1.402,930	4,212	3,746
36	28	96.946	16.738,526	289.154,507	17,275	16,808	86	78	18.014	271,230	1.069,857	3,944	3,478
37	29	96.808	15.918,731	272.415,981	17,113	16,647	87	79	15.049	215,791	798,628	3,701	3,235
38	30	96.663	15.137,948	256.497,250	16,944	16,478	88	80	12.251	167,305	582,837	3,484	3,017
39	31	96.498	14.392,513	241.359,302	16,770	16,303	89	81	9.725	126,490	415,532	3,285	2,819
40	32	96.315	13.681,140	226.966,789	16,590	16,123	90	82	7.532	93,299	289,041	3,098	2,632
41	33	96.115	13.002,593	213.285,649	16,403	15,937	91	83	5.678	66,989	195,742	2,922	2,456
42	34	95.894	12.354,958	200.283,056	16,211	15,744	92	84	4.150	46,630	128,753	2,761	2,295
43	35	95.638	11.735,171	187.928,098	16,014	15,548	93	85	2.939	31,451	82,123	2,611	2,145
44	36	95.352	11.142,978	176.192,927	15,812	15,346	94	86	2.019	20,578	50,673	2,462	1,996
45	37	95.043	10.577,904	165.049,949	15,603	15,137	95	87	1.333	12,937	30,094	2,326	1,860
46	38	94.692	10.037,037	154.472,045	15,390	14,924	96	88	841	7,776	17,157	2,206	1,740
47	39	94.305	9.519,973	144.435,008	15,172	14,705	97	89	509	4,479	9,381	2,094	1,628
48	40	93.876	9.025,430	134.915,035	14,948	14,482	98	90	293	2,460	4,902	1,992	1,526
49	41	93.411	8.553,109	125.889,605	14,719	14,252	99	91	161	1,289	2,442	1,894	1,428
							100	92	84	0,636	1,153	1,812	1,346

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 9 Jahre

Zinsfuß 5,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	41	92.992	8.109,257	117.824,562	14,530	14,063
1							51	42	92.440	7.677,235	109.715,305	14,291	13,825
2							52	43	91.857	7.265,591	102.038,070	14,044	13,578
3							53	44	91.200	6.870,099	94.772,479	13,795	13,329
4							54	45	90.501	6.492,775	87.902,380	13,538	13,072
5							55	46	89.744	6.131,867	81.409,605	13,276	12,810
6							56	47	88.912	5.785,750	75.277,738	13,011	12,544
7							57	48	88.044	5.456,454	69.491,988	12,736	12,269
8							58	49	87.097	5.140,736	64.035,534	12,456	11,990
9	0	99.403	64.075,885	1.266.032,138	19,758	19,292	59	50	86.060	4.837,610	58.894,797	12,174	11,708
10	1	99.016	60.787,257	1.201.956,253	19,773	19,307	60	51	84.940	4.547,302	54.057,187	11,888	11,421
11	2	98.971	57.866,454	1.141.168,996	19,721	19,254	61	52	83.750	4.270,114	49.509,886	11,595	11,128
12	3	98.937	55.092,052	1.083.302,542	19,663	19,197	62	53	82.494	4.005,781	45.239,772	11,294	10,827
13	4	98.908	52.452,764	1.028.210,490	19,603	19,136	63	54	81.126	3.751,758	41.233,990	10,991	10,524
14	5	98.882	49.942,085	975.757,726	19,538	19,071	64	55	79.676	3.509,220	37.482,232	10,681	10,215
15	6	98.851	47.548,899	925.815,641	19,471	19,004	65	56	78.121	3.276,914	33.973,012	10,367	9,901
16	7	98.818	45.269,812	878.266,742	19,401	18,934	66	57	76.445	3.053,904	30.696,098	10,051	9,585
17	8	98.772	43.093,840	832.996,931	19,330	18,863	67	58	74.648	2.840,095	27.642,194	9,733	9,266
18	9	98.712	41.017,012	789.903,091	19,258	18,792	68	59	72.697	2.634,168	24.802,099	9,416	8,949
19	10	98.631	39.031,669	748.886,079	19,187	18,720	69	60	70.617	2.436,973	22.167,932	9,097	8,630
20	11	98.543	37.139,955	709.854,410	19,113	18,647	70	61	68.420	2.248,712	19.730,959	8,774	8,308
21	12	98.459	35.341,180	672.714,455	19,035	18,568	71	62	66.095	2.068,847	17.482,247	8,450	7,984
22	13	98.374	33.629,019	637.373,275	18,953	18,487	72	63	63.611	1.896,275	15.413,400	8,128	7,662
23	14	98.290	32.000,389	603.744,256	18,867	18,400	73	64	60.954	1.730,545	13.517,125	7,811	7,345
24	15	98.206	30.450,422	571.743,868	18,776	18,310	74	65	58.161	1.572,631	11.786,579	7,495	7,028
25	16	98.117	28.974,182	541.293,445	18,682	18,216	75	66	55.237	1.422,443	10.213,948	7,181	6,714
26	17	98.024	27.568,436	512.319,263	18,584	18,117	76	67	52.206	1.280,370	8.791,506	6,866	6,400
27	18	97.933	26.231,103	484.750,827	18,480	18,014	77	68	49.098	1.146,792	7.511,136	6,550	6,083
28	19	97.834	24.956,958	458.519,724	18,372	17,906	78	69	45.879	1.020,593	6.364,343	6,236	5,770
29	20	97.735	23.744,476	433.562,767	18,260	17,793	79	70	42.545	901,342	5.343,750	5,929	5,462
30	21	97.636	22.590,744	409.818,290	18,141	17,675	80	71	39.147	789,868	4.442,408	5,624	5,158
31	22	97.541	21.494,016	387.227,546	18,016	17,549	81	72	35.650	685,059	3.652,540	5,332	4,865
32	23	97.437	20.448,789	365.733,530	17,885	17,419	82	73	32.133	588,072	2.967,481	5,046	4,580
33	24	97.332	19.454,005	345.284,741	17,749	17,282	83	74	28.524	497,159	2.379,409	4,786	4,320
34	25	97.220	18.506,342	325.830,736	17,606	17,140	84	75	25.034	415,560	1.882,250	4,529	4,063
35	26	97.104	17.603,921	307.324,394	17,458	16,991	85	76	21.696	343,002	1.466,690	4,276	3,810
36	27	96.975	16.743,405	289.720,473	17,304	16,837	86	77	18.620	280,350	1.123,688	4,008	3,542
37	28	96.837	15.923,458	272.977,068	17,143	16,677	87	78	15.628	224,096	843,337	3,763	3,297
38	29	96.691	15.142,380	257.053,610	16,976	16,509	88	79	12.789	174,652	619,241	3,546	3,079
39	30	96.530	14.397,227	241.911,230	16,803	16,336	89	80	10.223	132,968	444,589	3,344	2,877
40	31	96.349	13.686,029	227.514,003	16,624	16,157	90	81	7.977	98,807	311,621	3,154	2,687
41	32	96.149	13.007,218	213.827,974	16,439	15,973	91	82	6.071	71,617	212,814	2,972	2,505
42	33	95.932	12.359,897	200.820,756	16,248	15,781	92	83	4.471	50,229	141,196	2,811	2,345
43	34	95.683	11.740,675	188.460,859	16,052	15,586	93	84	3.196	34,199	90,967	2,660	2,194
44	35	95.401	11.148,686	176.720,184	15,851	15,385	94	85	2.211	22,535	56,769	2,519	2,053
45	36	95.096	10.583,889	165.571,498	15,644	15,177	95	86	1.482	14,387	34,234	2,379	1,913
46	37	94.750	10.043,195	154.987,609	15,432	14,966	96	87	954	8,815	19,847	2,251	1,785
47	38	94.371	9.526,637	144.944,414	15,215	14,748	97	88	586	5,158	11,031	2,139	1,672
48	39	93.951	9.032,659	135.417,777	14,992	14,526	98	89	345	2,889	5,874	2,033	1,567
49	40	93.493	8.560,556	126.385,118	14,764	14,297	99	90	193	1,541	2,985	1,937	1,471
							100	91	103	0,783	1,444	1,845	1,379

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 10 Jahre

Zinsfuß 5,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	40	93.073	8.116,318	118.271,904	14,572	14,106
1							51	41	92.531	7.684,831	110.155,586	14,334	13,868
2							52	42	91.961	7.273,772	102.470,755	14,088	13,621
3							53	43	91.319	6.879,028	95.196,983	13,839	13,372
4							54	44	90.627	6.501,825	88.317,954	13,584	13,117
5							55	45	89.886	6.141,608	81.816,129	13,322	12,855
6							56	46	89.072	5.796,160	75.674,521	13,056	12,590
7							57	47	88.216	5.467,086	69.878,361	12,782	12,315
8							58	48	87.282	5.151,658	64.411,276	12,503	12,037
9							59	49	86.267	4.849,281	59.259,618	12,220	11,754
10	0	99.393	61.018,942	1.202.853,455	19,713	19,246	60	50	85.155	4.558,820	54.410,337	11,935	11,469
11	1	99.007	57.887,186	1.141.834,513	19,725	19,259	61	51	83.984	4.282,006	49.851,517	11,642	11,176
12	2	98.957	55.102,946	1.083.947,328	19,671	19,205	62	52	82.744	4.017,928	45.569,511	11,342	10,875
13	3	98.924	52.461,769	1.028.844,381	19,611	19,145	63	53	81.383	3.763,642	41.551,583	11,040	10,574
14	4	98.895	49.948,536	976.382,612	19,548	19,081	64	54	79.954	3.521,469	37.787,940	10,731	10,264
15	5	98.864	47.555,115	926.434,076	19,481	19,015	65	55	78.418	3.289,370	34.266,472	10,417	9,951
16	6	98.827	45.273,984	878.878,961	19,412	18,946	66	56	76.753	3.066,214	30.977,102	10,103	9,636
17	7	98.780	43.097,593	833.604,977	19,342	18,876	67	57	74.982	2.852,827	27.910,888	9,784	9,317
18	8	98.722	41.020,950	790.507,384	19,271	18,804	68	58	73.049	2.646,914	25.058,061	9,467	9,000
19	9	98.637	39.034,191	749.486,434	19,201	18,734	69	59	70.978	2.449,425	22.411,147	9,150	8,683
20	10	98.552	37.143,078	710.452,243	19,127	18,661	70	60	68.799	2.261,158	19.961,722	8,828	8,362
21	11	98.468	35.344,494	673.309,165	19,050	18,584	71	61	66.469	2.080,555	17.700,564	8,508	8,041
22	12	98.382	33.631,875	637.964,670	18,969	18,503	72	62	64.014	1.908,284	15.620,008	8,185	7,719
23	13	98.299	32.003,489	604.332,795	18,883	18,417	73	63	61.371	1.742,397	13.711,724	7,869	7,403
24	14	98.217	30.453,971	572.329,306	18,793	18,327	74	64	58.590	1.584,216	11.969,328	7,555	7,089
25	15	98.134	28.979,360	541.875,335	18,699	18,232	75	65	55.692	1.434,156	10.385,112	7,241	6,775
26	16	98.045	27.574,275	512.895,974	18,601	18,134	76	66	52.683	1.292,072	8.950,956	6,928	6,461
27	17	97.954	26.236,876	485.321,699	18,498	18,031	77	67	49.602	1.158,569	7.658,884	6,611	6,144
28	18	97.863	24.964,137	459.084,824	18,390	17,923	78	68	46.410	1.032,401	6.500,315	6,296	5,830
29	19	97.763	23.751,060	434.120,686	18,278	17,812	79	69	43.094	912,991	5.467,913	5,989	5,523
30	20	97.667	22.597,882	410.369,626	18,160	17,693	80	70	39.711	801,256	4.554,923	5,685	5,218
31	21	97.565	21.499,276	387.771,744	18,037	17,570	81	71	36.238	696,348	3.753,666	5,391	4,924
32	22	97.464	20.454,327	366.272,468	17,907	17,440	82	72	32.723	598,869	3.057,318	5,105	4,639
33	23	97.357	19.459,082	345.818,141	17,772	17,305	83	73	29.117	507,498	2.458,449	4,844	4,378
34	24	97.247	18.511,371	326.359,059	17,630	17,164	84	74	25.617	425,239	1.950,951	4,588	4,121
35	25	97.127	17.608,254	307.847,688	17,483	17,017	85	75	22.274	352,132	1.525,711	4,333	3,866
36	26	97.002	16.748,094	290.239,434	17,330	16,863	86	76	19.175	288,708	1.173,580	4,065	3,599
37	27	96.865	15.928,100	273.491,340	17,170	16,704	87	77	16.154	231,632	884,872	3,820	3,354
38	28	96.720	15.146,876	257.563,240	17,004	16,538	88	78	13.281	181,374	653,240	3,602	3,135
39	29	96.558	14.401,443	242.416,364	16,833	16,366	89	79	10.672	138,807	471,865	3,399	2,933
40	30	96.381	13.690,511	228.014,922	16,655	16,189	90	80	8.385	103,867	333,059	3,207	2,740
41	31	96.184	13.011,866	214.324,410	16,471	16,005	91	81	6.429	75,845	229,192	3,022	2,555
42	32	95.967	12.364,293	201.312,545	16,282	15,815	92	82	4.780	53,699	153,346	2,856	2,389
43	33	95.721	11.745,368	188.948,251	16,087	15,621	93	83	3.443	36,839	99,647	2,705	2,239
44	34	95.446	11.153,915	177.202,883	15,887	15,421	94	84	2.405	24,504	62,808	2,563	2,097
45	35	95.145	10.589,310	166.048,968	15,681	15,214	95	85	1.623	15,755	38,304	2,431	1,965
46	36	94.804	10.048,878	155.459,658	15,470	15,004	96	86	1.061	9,803	22,549	2,300	1,834
47	37	94.428	9.532,482	145.410,780	15,254	14,788	97	87	664	5,847	12,746	2,180	1,714
48	38	94.017	9.038,982	135.878,298	15,032	14,566	98	88	397	3,326	6,899	2,074	1,608
49	39	93.568	8.567,413	126.839,316	14,805	14,338	99	89	227	1,809	3,573	1,975	1,509
							100	90	123	0,936	1,764	1,885	1,419

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 11 Jahre

Zinsfuß 5,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	39	93.148	8.122,818	118.681,839	14,611	14,145
1							51	40	92.612	7.691,523	110.559,020	14,374	13,908
2							52	41	92.052	7.280,969	102.867,498	14,128	13,662
3							53	42	91.422	6.886,774	95.586,529	13,880	13,413
4							54	43	90.745	6.510,276	88.699,755	13,625	13,158
5							55	44	90.012	6.150,169	82.189,479	13,364	12,897
6							56	45	89.213	5.805,367	76.039,310	13,098	12,632
7							57	46	88.374	5.476,922	70.233,943	12,824	12,357
8							58	47	87.452	5.161,695	64.757,021	12,546	12,079
9							59	48	86.451	4.859,583	59.595,326	12,263	11,797
10							60	49	85.360	4.569,818	54.735,743	11,978	11,511
11	0	99.384	58.107,817	1.142.666,110	19,665	19,198	61	50	84.196	4.292,853	50.165,924	11,686	11,220
12	1	98.992	55.122,688	1.084.558,292	19,675	19,209	62	51	82.975	4.029,118	45.873,072	11,385	10,919
13	2	98.944	52.472,143	1.029.435,604	19,619	19,152	63	52	81.630	3.775,055	41.843,953	11,084	10,618
14	3	98.912	49.957,111	976.963,461	19,556	19,090	64	53	80.207	3.532,623	38.068,898	10,776	10,310
15	4	98.876	47.561,258	927.006,350	19,491	19,024	65	54	78.692	3.300,851	34.536,275	10,463	9,996
16	5	98.840	45.279,903	879.445,091	19,422	18,956	66	55	77.045	3.077,869	31.235,424	10,148	9,682
17	6	98.790	43.101,565	834.165,189	19,353	18,887	67	56	75.285	2.864,327	28.157,555	9,830	9,364
18	7	98.730	41.024,523	791.063,624	19,283	18,816	68	57	73.376	2.658,780	25.293,228	9,513	9,047
19	8	98.647	39.037,938	750.039,101	19,213	18,747	69	58	71.322	2.461,278	22.634,448	9,196	8,730
20	9	98.558	37.145,479	711.001,163	19,141	18,675	70	59	69.151	2.272,712	20.173,170	8,876	8,410
21	10	98.477	35.347,467	673.855,684	19,064	18,597	71	60	66.837	2.092,071	17.900,458	8,556	8,090
22	11	98.391	33.635,029	638.508,218	18,983	18,517	72	61	64.376	1.919,083	15.808,388	8,237	7,771
23	12	98.308	32.006,208	604.873,188	18,899	18,432	73	62	61.760	1.753,431	13.889,304	7,921	7,455
24	13	98.227	30.456,922	572.866,980	18,809	18,343	74	63	58.991	1.595,066	12.135,874	7,608	7,142
25	14	98.146	28.982,737	542.410,058	18,715	18,249	75	64	56.102	1.444,721	10.540,808	7,296	6,830
26	15	98.063	27.579,203	513.427,321	18,616	18,150	76	65	53.117	1.302,712	9.096,087	6,982	6,516
27	16	97.975	26.242,433	485.848,118	18,514	18,047	77	66	50.055	1.169,158	7.793,375	6,666	6,199
28	17	97.884	24.969,631	459.605,685	18,407	17,940	78	67	46.887	1.043,003	6.624,218	6,351	5,885
29	18	97.791	23.757,893	434.636,054	18,294	17,828	79	68	43.593	923,554	5.581,214	6,043	5,577
30	19	97.694	22.604,148	410.878,161	18,177	17,711	80	69	40.225	811,611	4.657,661	5,739	5,272
31	20	97.595	21.506,069	388.274,013	18,054	17,588	81	70	36.760	706,389	3.846,050	5,445	4,978
32	21	97.488	20.459,332	366.767,944	17,927	17,460	82	71	33.262	608,738	3.139,661	5,158	4,691
33	22	97.384	19.464,352	346.308,612	17,792	17,326	83	72	29.652	516,816	2.530,923	4,897	4,431
34	23	97.272	18.516,202	326.844,260	17,652	17,185	84	73	26.150	434,083	2.014,107	4,640	4,174
35	24	97.154	17.613,039	308.328,058	17,506	17,039	85	74	22.793	360,334	1.580,024	4,385	3,918
36	25	97.026	16.752,216	290.715,019	17,354	16,887	86	75	19.686	296,393	1.219,691	4,115	3,649
37	26	96.892	15.932,560	273.962,803	17,195	16,729	87	76	16.635	238,537	923,298	3,871	3,404
38	27	96.748	15.151,292	258.030,242	17,030	16,564	88	77	13.728	187,473	684,761	3,653	3,186
39	28	96.587	14.405,718	242.878,951	16,860	16,393	89	78	11.083	144,149	497,287	3,450	2,983
40	29	96.409	13.694,520	228.473,232	16,684	16,217	90	79	8.753	108,428	353,138	3,257	2,790
41	30	96.215	13.016,127	214.778,712	16,501	16,035	91	80	6.758	79,729	244,710	3,069	2,603
42	31	96.001	12.368,712	201.762,585	16,312	15,846	92	81	5.062	56,869	164,981	2,901	2,435
43	32	95.755	11.749,546	189.393,873	16,119	15,653	93	82	3.681	39,384	108,111	2,745	2,279
44	33	95.484	11.158,374	177.644,327	15,920	15,454	94	83	2.590	26,395	68,728	2,604	2,137
45	34	95.190	10.594,277	166.485,953	15,715	15,248	95	84	1.765	17,132	42,332	2,471	2,005
46	35	94.852	10.054,025	155.891,677	15,505	15,039	96	85	1.161	10,736	25,200	2,347	1,881
47	36	94.482	9.537,875	145.837,652	15,290	14,824	97	86	739	6,502	14,465	2,224	1,758
48	37	94.075	9.044,528	136.299,776	15,070	14,603	98	87	450	3,771	7,962	2,112	1,645
49	38	93.633	8.573,410	127.255,248	14,843	14,377	99	88	261	2,083	4,192	2,012	1,546
							100	89	144	1,099	2,109	1,919	1,453

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 12 Jahre

Zinsfuß 5,00%

Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	38	93.213	8.128,504	119.057,156	14,647	14,180
1							51	39	92.686	7.697,683	110.928,652	14,411	13,944
2							52	40	92.132	7.287,309	103.230,969	14,166	13,699
3							53	41	91.512	6.893,588	95.943,660	13,918	13,451
4							54	42	90.847	6.517,606	89.050,072	13,663	13,197
5							55	43	90.129	6.158,162	82.532,466	13,402	12,936
6							56	44	89.338	5.813,460	76.374,304	13,137	12,671
7							57	45	88.515	5.485,622	70.560,844	12,863	12,396
8							58	46	87.610	5.170,982	65.075,222	12,585	12,118
9							59	47	86.619	4.869,051	59.904,240	12,303	11,837
10							60	48	85.542	4.579,527	55.035,188	12,018	11,551
11							61	49	84.399	4.303,209	50.455,662	11,725	11,259
12	0	99.370	55.332,783	1.085.329,241	19,615	19,148	62	50	83.185	4.039,324	46.152,452	11,426	10,959
13	1	98.980	52.490,943	1.029.996,457	19,622	19,156	63	51	81.857	3.785,568	42.113,128	11,125	10,658
14	2	98.931	49.966,990	977.505,515	19,563	19,097	64	52	80.450	3.543,335	38.327,560	10,817	10,350
15	3	98.893	47.569,423	927.538,525	19,499	19,032	65	53	78.941	3.311,307	34.784,225	10,505	10,038
16	4	98.853	45.285,752	879.969,101	19,431	18,965	66	54	77.314	3.088,612	31.472,918	10,190	9,724
17	5	98.802	43.107,200	834.683,350	19,363	18,897	67	55	75.571	2.875,215	28.384,306	9,872	9,406
18	6	98.740	41.028,303	791.576,150	19,293	18,827	68	56	73.672	2.669,498	25.509,091	9,556	9,089
19	7	98.656	39.041,338	750.547,847	19,224	18,758	69	57	71.642	2.472,312	22.839,593	9,238	8,772
20	8	98.567	37.149,045	711.506,508	19,153	18,686	70	58	69.485	2.283,710	20.367,281	8,919	8,452
21	9	98.483	35.349,751	674.357,463	19,077	18,610	71	59	67.178	2.102,761	18.083,572	8,600	8,134
22	10	98.400	33.637,858	639.007,713	18,997	18,530	72	60	64.732	1.929,705	15.980,811	8,281	7,815
23	11	98.317	32.009,209	605.369,854	18,912	18,446	73	61	62.110	1.763,354	14.051,107	7,968	7,502
24	12	98.235	30.459,509	573.360,645	18,824	18,357	74	62	59.365	1.605,167	12.287,753	7,655	7,189
25	13	98.155	28.985,546	542.901,136	18,730	18,264	75	63	56.487	1.454,615	10.682,586	7,344	6,878
26	14	98.074	27.582,417	513.915,590	18,632	18,166	76	64	53.508	1.312,308	9.227,971	7,032	6,565
27	15	97.992	26.247,123	486.333,174	18,529	18,063	77	65	50.467	1.178,785	7.915,663	6,715	6,249
28	16	97.905	24.974,920	460.086,051	18,422	17,956	78	66	47.315	1.052,536	6.736,877	6,401	5,934
29	17	97.812	23.763,121	435.111,131	18,310	17,844	79	67	44.041	933,038	5.684,342	6,092	5,626
30	18	97.722	22.610,650	411.348,009	18,193	17,726	80	68	40.690	821,001	4.751,304	5,787	5,321
31	19	97.622	21.512,033	388.737,359	18,071	17,604	81	69	37.235	715,517	3.930,302	5,493	5,027
32	20	97.518	20.465,797	367.225,326	17,943	17,477	82	70	33.742	617,515	3.214,785	5,206	4,740
33	21	97.408	19.469,115	346.759,530	17,811	17,344	83	71	30.140	525,333	2.597,270	4,944	4,478
34	22	97.298	18.521,217	327.290,415	17,671	17,205	84	72	26.630	442,052	2.071,937	4,687	4,221
35	23	97.179	17.617,636	308.769,198	17,526	17,060	85	73	23.267	367,827	1.629,884	4,431	3,965
36	24	97.052	16.756,769	291.151,562	17,375	16,909	86	74	20.144	303,296	1.262,057	4,161	3,695
37	25	96.916	15.936,482	274.394,794	17,218	16,752	87	75	17.078	244,886	958,761	3,915	3,449
38	26	96.775	15.155,535	258.458,312	17,054	16,587	88	76	14.137	193,062	713,875	3,698	3,231
39	27	96.615	14.409,918	243.302,777	16,884	16,418	89	77	11.456	148,996	520,813	3,495	3,029
40	28	96.438	13.698,586	228.892,859	16,709	16,243	90	78	9.090	112,602	371,816	3,302	2,836
41	29	96.243	13.019,938	215.194,274	16,528	16,062	91	79	7.055	83,230	259,214	3,114	2,648
42	30	96.032	12.372,763	202.174,335	16,340	15,874	92	80	5.321	59,782	175,984	2,944	2,477
43	31	95.789	11.753,745	189.801,572	16,148	15,682	93	81	3.898	41,709	116,203	2,786	2,320
44	32	95.518	11.162,343	178.047,828	15,951	15,484	94	82	2.769	28,219	74,494	2,640	2,173
45	33	95.228	10.598,512	166.885,485	15,746	15,280	95	83	1.901	18,454	46,275	2,508	2,041
46	34	94.897	10.058,741	156.286,973	15,537	15,071	96	84	1.263	11,674	27,820	2,383	1,917
47	35	94.530	9.542,761	146.228,232	15,323	14,857	97	85	809	7,121	16,147	2,268	1,801
48	36	94.128	9.049,645	136.685,472	15,104	14,638	98	86	500	4,193	9,026	2,152	1,686
49	37	93.691	8.578,670	127.635,826	14,878	14,412	99	87	296	2,361	4,833	2,047	1,580
							100	88	166	1,265	2,472	1,954	1,487

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 13 Jahre

Zinsfuß 5,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	37	93.270	8.133,492	119.400,513	14,680	14,214
1							51	38	92.751	7.703,071	111.267,021	14,445	13,978
2							52	39	92.206	7.293,145	103.563,950	14,200	13,734
3							53	40	91.592	6.899,590	96.270,805	13,953	13,487
4							54	41	90.937	6.524,055	89.371,214	13,699	13,232
5							55	42	90.230	6.165,096	82.847,160	13,438	12,972
6							56	43	89.454	5.821,015	76.682,063	13,173	12,707
7							57	44	88.638	5.493,269	70.861,048	12,900	12,433
8							58	45	87.749	5.179,196	65.367,779	12,621	12,155
9							59	46	86.775	4.877,812	60.188,583	12,339	11,873
10							60	47	85.709	4.588,450	55.310,771	12,054	11,588
11							61	48	84.579	4.312,351	50.722,321	11,762	11,296
12							62	49	83.386	4.049,069	46.409,970	11,462	10,995
13	0	99.357	52.691,007	1.030.711,373	19,561	19,095	63	50	82.065	3.795,157	42.360,901	11,162	10,695
14	1	98.967	49.984,892	978.020,366	19,566	19,100	64	51	80.674	3.553,203	38.565,743	10,854	10,387
15	2	98.913	47.578,830	928.035,474	19,505	19,039	65	52	79.181	3.321,348	35.012,540	10,542	10,075
16	3	98.870	45.293,526	880.456,644	19,439	18,973	66	53	77.559	3.098,396	31.691,192	10,228	9,762
17	4	98.815	43.112,768	835.163,118	19,372	18,905	67	54	75.834	2.885,250	28.592,797	9,910	9,444
18	5	98.752	41.033,667	792.050,350	19,302	18,836	68	55	73.952	2.679,645	25.707,546	9,594	9,127
19	6	98.665	39.044,936	751.016,683	19,235	18,768	69	56	71.930	2.482,277	23.027,901	9,277	8,811
20	7	98.576	37.152,280	711.971,746	19,164	18,697	70	57	69.797	2.293,948	20.545,624	8,956	8,490
21	8	98.493	35.353,144	674.819,466	19,088	18,622	71	58	67.504	2.112,936	18.251,676	8,638	8,172
22	9	98.406	33.640,032	639.466,322	19,009	18,543	72	59	65.063	1.939,565	16.138,740	8,321	7,854
23	10	98.325	32.011,901	605.826,290	18,925	18,459	73	60	62.453	1.773,114	14.199,175	8,008	7,542
24	11	98.244	30.462,366	573.814,388	18,837	18,370	74	61	59.701	1.614,251	12.426,062	7,698	7,231
25	12	98.164	28.988,008	543.352,023	18,744	18,278	75	62	56.844	1.463,827	10.811,811	7,386	6,920
26	13	98.084	27.585,089	514.364,015	18,646	18,180	76	63	53.875	1.321,295	9.347,984	7,075	6,608
27	14	98.004	26.250,182	486.778,926	18,544	18,077	77	64	50.839	1.187,469	8.026,689	6,759	6,293
28	15	97.922	24.979,383	460.528,744	18,436	17,970	78	65	47.705	1.061,203	6.839,220	6,445	5,978
29	16	97.833	23.768,155	435.549,361	18,325	17,859	79	66	44.443	941,565	5.778,017	6,137	5,670
30	17	97.743	22.615,626	411.781,206	18,208	17,741	80	67	41.108	829,432	4.836,451	5,831	5,365
31	18	97.651	21.518,221	389.165,580	18,085	17,619	81	68	37.666	723,796	4.007,019	5,536	5,070
32	19	97.545	20.471,471	367.647,359	17,959	17,493	82	69	34.178	625,495	3.283,223	5,249	4,783
33	20	97.438	19.475,267	347.175,887	17,827	17,360	83	70	30.575	532,907	2.657,728	4,987	4,521
34	21	97.322	18.525,749	327.700,621	17,689	17,223	84	71	27.069	449,337	2.124,820	4,729	4,262
35	22	97.205	17.622,407	309.174,872	17,544	17,078	85	72	23.694	374,581	1.675,483	4,473	4,007
36	23	97.077	16.761,142	291.552,465	17,395	16,928	86	73	20.563	309,603	1.300,903	4,202	3,735
37	24	96.943	15.940,812	274.791,323	17,238	16,772	87	74	17.476	250,590	991,299	3,956	3,489
38	25	96.799	15.159,265	258.850,511	17,075	16,609	88	75	14.513	198,201	740,709	3,737	3,271
39	26	96.642	14.413,953	243.691,246	16,907	16,440	89	76	11.797	153,438	542,508	3,536	3,069
40	27	96.466	13.702,579	229.277,292	16,732	16,266	90	77	9.396	116,388	389,070	3,343	2,876
41	28	96.272	13.023,804	215.574,713	16,552	16,086	91	78	7.327	86,434	272,682	3,155	2,688
42	29	96.060	12.376,385	202.550,909	16,366	15,900	92	79	5.555	62,407	186,248	2,984	2,518
43	30	95.820	11.757,594	190.174,524	16,175	15,708	93	80	4.098	43,845	123,841	2,825	2,358
44	31	95.552	11.166,331	178.416,929	15,978	15,512	94	81	2.933	29,885	79,996	2,677	2,210
45	32	95.262	10.602,282	167.250,598	15,775	15,309	95	82	2.033	19,729	50,112	2,540	2,074
46	33	94.935	10.062,762	156.648,316	15,567	15,101	96	83	1.360	12,575	30,382	2,416	1,950
47	34	94.575	9.547,237	146.585,555	15,354	14,887	97	84	880	7,743	17,807	2,300	1,833
48	35	94.176	9.054,281	137.038,318	15,135	14,669	98	85	548	4,592	10,064	2,192	1,725
49	36	93.744	8.583,524	127.984,037	14,910	14,444	99	86	329	2,626	5,473	2,084	1,618
							100	87	189	1,434	2,847	1,985	1,519

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 14 Jahre

Zinsfuß 5,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	36	93.323	8.138,094	119.714,633	14,710	14,244
1							51	37	92.808	7.707,798	111.576,540	14,476	14,009
2							52	38	92.270	7.298,251	103.868,742	14,232	13,766
3							53	39	91.665	6.905,116	96.570,492	13,985	13,519
4							54	40	91.016	6.529,736	89.665,375	13,732	13,265
5							55	41	90.319	6.171,196	83.135,640	13,472	13,005
6							56	42	89.555	5.827,569	76.964,443	13,207	12,741
7							57	43	88.753	5.500,409	71.136,874	12,933	12,467
8							58	44	87.871	5.186,416	65.636,465	12,655	12,189
9							59	45	86.913	4.885,560	60.450,049	12,373	11,907
10							60	46	85.863	4.596,705	55.564,489	12,088	11,621
11							61	47	84.744	4.320,754	50.967,784	11,796	11,330
12							62	48	83.563	4.057,671	46.647,030	11,496	11,030
13							63	49	82.263	3.804,313	42.589,359	11,195	10,729
14	0	99.344	50.175,405	978.683,519	19,505	19,039	64	50	80.879	3.562,204	38.785,046	10,888	10,422
15	1	98.948	47.595,876	928.508,115	19,508	19,042	65	51	79.401	3.330,598	35.222,842	10,576	10,109
16	2	98.890	45.302,483	880.912,238	19,445	18,979	66	52	77.794	3.107,791	31.892,244	10,262	9,796
17	3	98.832	43.120,169	835.609,755	19,379	18,912	67	53	76.075	2.894,390	28.784,453	9,945	9,479
18	4	98.765	41.038,968	792.489,586	19,311	18,844	68	54	74.210	2.688,998	25.890,064	9,628	9,162
19	5	98.678	39.050,041	751.450,618	19,243	18,777	69	55	72.204	2.491,713	23.201,066	9,311	8,845
20	6	98.585	37.155,704	712.400,577	19,173	18,707	70	56	70.078	2.303,194	20.709,352	8,992	8,525
21	7	98.501	35.356,224	675.244,873	19,098	18,632	71	57	67.806	2.122,408	18.406,158	8,672	8,206
22	8	98.415	33.643,261	639.888,650	19,020	18,553	72	58	65.378	1.948,950	16.283,750	8,355	7,889
23	9	98.332	32.013,970	606.245,388	18,937	18,470	73	59	62.772	1.782,174	14.334,799	8,043	7,577
24	10	98.252	30.464,928	574.231,418	18,849	18,383	74	60	60.031	1.623,185	12.552,626	7,733	7,267
25	11	98.173	28.990,726	543.766,491	18,757	18,290	75	61	57.166	1.472,111	10.929,441	7,424	6,958
26	12	98.092	27.587,432	514.775,764	18,660	18,193	76	62	54.216	1.329,663	9.457,330	7,113	6,646
27	13	98.013	26.252,725	487.188,332	18,558	18,091	77	63	51.187	1.195,601	8.127,667	6,798	6,332
28	14	97.934	24.982,294	460.935,607	18,450	17,984	78	64	48.056	1.069,021	6.932,065	6,485	6,018
29	15	97.850	23.772,402	435.953,312	18,339	17,872	79	65	44.809	949,319	5.863,045	6,176	5,710
30	16	97.764	22.620,417	412.180,910	18,222	17,755	80	66	41.484	837,013	4.913,726	5,871	5,404
31	17	97.672	21.522,956	389.560,493	18,100	17,633	81	67	38.053	731,229	4.076,713	5,575	5,109
32	18	97.573	20.477,360	368.037,537	17,973	17,506	82	68	34.573	632,732	3.345,484	5,287	4,821
33	19	97.465	19.480,667	347.560,176	17,841	17,375	83	69	30.970	539,794	2.712,752	5,026	4,559
34	20	97.353	18.531,603	328.079,510	17,704	17,237	84	70	27.459	455,816	2.172,958	4,767	4,301
35	21	97.229	17.626,720	309.547,907	17,561	17,095	85	71	24.084	380,753	1.717,142	4,510	4,043
36	22	97.104	16.765,681	291.921,188	17,412	16,945	86	72	20.940	315,288	1.336,389	4,239	3,772
37	23	96.968	15.944,973	275.155,507	17,257	16,790	87	73	17.839	255,802	1.021,101	3,992	3,525
38	24	96.825	15.163,384	259.210,534	17,095	16,628	88	74	14.851	202,818	765,299	3,773	3,307
39	25	96.666	14.417,501	244.047,150	16,927	16,461	89	75	12.111	157,522	562,482	3,571	3,104
40	26	96.493	13.706,417	229.629,649	16,753	16,287	90	76	9.676	119,858	404,959	3,379	2,912
41	27	96.300	13.027,601	215.923,232	16,574	16,108	91	77	7.573	89,340	285,102	3,191	2,725
42	28	96.089	12.380,060	202.895,631	16,389	15,923	92	78	5.768	64,809	195,761	3,021	2,554
43	29	95.849	11.761,037	190.515,571	16,199	15,732	93	79	4.277	45,770	130,953	2,861	2,395
44	30	95.583	11.169,989	178.754,534	16,003	15,537	94	80	3.083	31,415	85,183	2,712	2,245
45	31	95.296	10.606,070	167.584,546	15,801	15,334	95	81	2.153	20,894	53,767	2,573	2,107
46	32	94.968	10.066,341	156.978,475	15,594	15,128	96	82	1.454	13,444	32,873	2,445	1,979
47	33	94.612	9.551,053	146.912,135	15,382	14,915	97	83	947	8,341	19,430	2,330	1,863
48	34	94.220	9.058,527	137.361,081	15,164	14,697	98	84	596	4,993	11,089	2,221	1,754
49	35	93.792	8.587,921	128.302,554	14,940	14,473	99	85	360	2,876	6,096	2,120	1,653
							100	86	210	1,595	3,220	2,019	1,553

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 15 Jahre

Zinsfuß 5,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	35	93.371	8.142,262	120.001,945	14,738	14,272
1							51	36	92.860	7.712,159	111.859,683	14,504	14,038
2							52	37	92.327	7.302,729	104.147,524	14,261	13,795
3							53	38	91.729	6.909,950	96.844,796	14,015	13,549
4							54	39	91.089	6.534,965	89.934,846	13,762	13,296
5							55	40	90.398	6.176,570	83.399,880	13,503	13,036
6							56	41	89.643	5.833,336	77.223,311	13,238	12,772
7							57	42	88.853	5.506,602	71.389,975	12,964	12,498
8							58	43	87.985	5.193,157	65.883,373	12,687	12,220
9							59	44	87.034	4.892,371	60.690,216	12,405	11,939
10							60	45	85.999	4.604,007	55.797,846	12,119	11,653
11							61	46	84.896	4.328,528	51.193,839	11,827	11,361
12							62	47	83.726	4.065,577	46.865,311	11,527	11,061
13							63	48	82.437	3.812,395	42.799,734	11,226	10,760
14							64	49	81.074	3.570,798	38.987,338	10,918	10,452
15	0	99.326	47.777,284	929.123,442	19,447	18,981	65	50	79.602	3.339,034	35.416,541	10,607	10,140
16	1	98.925	45.318,713	881.346,158	19,448	18,981	66	51	78.011	3.116,446	32.077,507	10,293	9,827
17	2	98.852	43.128,697	836.027,445	19,384	18,918	67	52	76.305	2.903,166	28.961,061	9,976	9,509
18	3	98.782	41.046,013	792.898,748	19,317	18,851	68	53	74.445	2.697,516	26.057,894	9,660	9,194
19	4	98.690	39.055,085	751.852,735	19,251	18,785	69	54	72.456	2.500,410	23.360,378	9,343	8,876
20	5	98.598	37.160,562	712.797,650	19,182	18,715	70	55	70.344	2.311,949	20.859,968	9,023	8,556
21	6	98.510	35.359,482	675.637,088	19,108	18,641	71	56	68.079	2.130,963	18.548,019	8,704	8,238
22	7	98.424	33.646,192	640.277,606	19,030	18,563	72	57	65.671	1.957,688	16.417,055	8,386	7,920
23	8	98.341	32.017,043	606.631,415	18,947	18,481	73	58	63.076	1.790,798	14.459,368	8,074	7,608
24	9	98.259	30.466,896	574.614,371	18,860	18,394	74	59	60.338	1.631,479	12.668,570	7,765	7,299
25	10	98.181	28.993,165	544.147,475	18,768	18,302	75	60	57.482	1.480,258	11.037,091	7,456	6,990
26	11	98.101	27.590,020	515.154,311	18,672	18,205	76	61	54.523	1.337,188	9.556,832	7,147	6,681
27	12	98.022	26.254,955	487.564,291	18,570	18,104	77	62	51.511	1.203,173	8.219,645	6,832	6,365
28	13	97.943	24.984,715	461.309,336	18,464	17,997	78	63	48.386	1.076,342	7.016,472	6,519	6,052
29	14	97.862	23.775,173	436.324,621	18,352	17,886	79	64	45.139	956,312	5.940,130	6,211	5,745
30	15	97.782	22.624,459	412.549,448	18,235	17,768	80	65	41.825	843,905	4.983,818	5,906	5,439
31	16	97.693	21.527,515	389.924,989	18,113	17,646	81	66	38.401	737,912	4.139,913	5,610	5,144
32	17	97.595	20.481,867	368.397,474	17,987	17,520	82	67	34.928	639,230	3.402,001	5,322	4,856
33	18	97.493	19.486,271	347.915,607	17,854	17,388	83	68	31.328	546,040	2.762,771	5,060	4,593
34	19	97.380	18.536,741	328.429,336	17,718	17,251	84	69	27.814	461,707	2.216,731	4,801	4,335
35	20	97.260	17.632,289	309.892,595	17,575	17,109	85	70	24.432	386,243	1.755,025	4,544	4,077
36	21	97.128	16.769,784	292.260,306	17,428	16,961	86	71	21.286	320,484	1.368,782	4,271	3,805
37	22	96.994	15.949,291	275.490,522	17,273	16,806	87	72	18.167	260,498	1.048,298	4,024	3,558
38	23	96.851	15.167,342	259.541,231	17,112	16,645	88	73	15.160	207,035	787,800	3,805	3,339
39	24	96.692	14.421,419	244.373,890	16,945	16,479	89	74	12.393	161,191	580,764	3,603	3,137
40	25	96.517	13.709,790	229.952,471	16,773	16,306	90	75	9.934	123,048	419,573	3,410	2,943
41	26	96.327	13.031,249	216.242,681	16,594	16,128	91	76	7.799	92,004	296,525	3,223	2,757
42	27	96.117	12.383,669	203.211,432	16,410	15,943	92	77	5.962	66,988	204,521	3,053	2,587
43	28	95.877	11.764,529	190.827,763	16,221	15,754	93	78	4.442	47,532	137,533	2,894	2,427
44	29	95.611	11.173,259	179.063,234	16,026	15,560	94	79	3.218	32,795	90,002	2,744	2,278
45	30	95.327	10.609,544	167.889,975	15,824	15,358	95	80	2.263	21,964	57,207	2,605	2,138
46	31	95.002	10.069,938	157.280,431	15,619	15,152	96	81	1.540	14,237	35,243	2,475	2,009
47	32	94.646	9.554,451	147.210,493	15,408	14,941	97	82	1.013	8,917	21,006	2,356	1,889
48	33	94.258	9.062,148	137.656,042	15,190	14,724	98	83	642	5,379	12,089	2,248	1,781
49	34	93.836	8.591,949	128.593,894	14,967	14,500	99	84	392	3,127	6,710	2,146	1,680
							100	85	230	1,747	3,583	2,052	1,585

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 16 Jahre

Zinsfuß 5,00%

Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	34	93.414	8.146,081	120.264,728	14,764	14,297
1							51	35	92.908	7.716,109	112.118,647	14,530	14,064
2							52	36	92.379	7.306,861	104.402,538	14,288	13,822
3							53	37	91.786	6.914,190	97.095,678	14,043	13,577
4							54	38	91.153	6.539,540	90.181,488	13,790	13,324
5							55	39	90.470	6.181,517	83.641,948	13,531	13,065
6							56	40	89.721	5.838,415	77.460,432	13,267	12,801
7							57	41	88.941	5.512,050	71.622,017	12,994	12,527
8							58	42	88.085	5.199,004	66.109,966	12,716	12,249
9							59	43	87.147	4.898,729	60.910,962	12,434	11,968
10							60	44	86.119	4.610,425	56.012,233	12,149	11,683
11							61	45	85.031	4.335,403	51.401,808	11,856	11,390
12							62	46	83.876	4.072,892	47.066,405	11,556	11,090
13							63	47	82.598	3.819,824	42.993,513	11,255	10,789
14							64	48	81.246	3.578,384	39.173,689	10,947	10,481
15							65	49	79.794	3.347,090	35.595,305	10,635	10,168
16	0	99.302	45.491,442	881.917,292	19,386	18,920	66	50	78.208	3.124,340	32.248,216	10,322	9,855
17	1	98.887	43.144,148	836.425,850	19,387	18,920	67	51	76.518	2.911,252	29.123,876	10,004	9,537
18	2	98.802	41.054,130	793.281,702	19,323	18,856	68	52	74.671	2.705,696	26.212,624	9,688	9,222
19	3	98.707	39.061,790	752.227,572	19,257	18,791	69	53	72.685	2.508,330	23.506,928	9,372	8,905
20	4	98.611	37.165,362	713.165,782	19,189	18,723	70	54	70.590	2.320,019	20.998,598	9,051	8,585
21	5	98.523	35.364,105	676.000,420	19,115	18,649	71	55	68.338	2.139,064	18.678,579	8,732	8,266
22	6	98.433	33.649,292	640.636,316	19,039	18,572	72	56	65.936	1.965,579	16.539,515	8,415	7,948
23	7	98.350	32.019,832	606.987,023	18,957	18,490	73	57	63.359	1.798,826	14.573,936	8,102	7,636
24	8	98.268	30.469,821	574.967,191	18,870	18,404	74	58	60.630	1.639,374	12.775,110	7,793	7,326
25	9	98.187	28.995,038	544.497,370	18,779	18,313	75	59	57.776	1.487,822	11.135,737	7,485	7,018
26	10	98.109	27.592,340	515.502,332	18,683	18,216	76	60	54.825	1.344,589	9.647,914	7,175	6,709
27	11	98.031	26.257,417	487.909,992	18,582	18,115	77	61	51.803	1.209,982	8.303,326	6,862	6,396
28	12	97.952	24.986,837	461.652,575	18,476	18,009	78	62	48.692	1.083,158	7.093,344	6,549	6,082
29	13	97.871	23.777,476	436.665,738	18,365	17,898	79	63	45.448	962,861	6.010,186	6,242	5,776
30	14	97.793	22.627,096	412.888,261	18,248	17,781	80	64	42.133	850,122	5.047,325	5,937	5,471
31	15	97.710	21.531,362	390.261,166	18,125	17,659	81	65	38.717	743,988	4.197,202	5,641	5,175
32	16	97.616	20.486,205	368.729,803	17,999	17,533	82	66	35.248	645,072	3.453,214	5,353	4,887
33	17	97.515	19.490,559	348.243,598	17,867	17,401	83	67	31.650	551,647	2.808,142	5,090	4,624
34	18	97.408	18.542,074	328.753,039	17,730	17,264	84	68	28.136	467,048	2.256,495	4,831	4,365
35	19	97.287	17.637,178	310.210,965	17,588	17,122	85	69	24.747	391,235	1.789,447	4,574	4,107
36	20	97.158	16.775,083	292.573,787	17,441	16,975	86	70	21.592	325,104	1.398,212	4,301	3,834
37	21	97.018	15.953,194	275.798,705	17,288	16,822	87	71	18.466	264,791	1.073,107	4,053	3,586
38	22	96.877	15.171,449	259.845,511	17,127	16,661	88	72	15.438	210,836	808,316	3,834	3,367
39	23	96.717	14.425,183	244.674,061	16,962	16,495	89	73	12.651	164,544	597,480	3,631	3,165
40	24	96.543	13.713,516	230.248,879	16,790	16,324	90	74	10.165	125,914	432,936	3,438	2,972
41	25	96.351	13.034,456	216.535,363	16,613	16,146	91	75	8.006	94,453	307,022	3,251	2,784
42	26	96.144	12.387,137	203.500,907	16,428	15,962	92	76	6.140	68,985	212,570	3,081	2,615
43	27	95.905	11.767,958	191.113,770	16,240	15,774	93	77	4.591	49,130	143,585	2,923	2,456
44	28	95.640	11.176,577	179.345,811	16,047	15,580	94	78	3.342	34,057	94,455	2,773	2,307
45	29	95.355	10.612,651	168.169,235	15,846	15,380	95	79	2.362	22,929	60,398	2,634	2,168
46	30	95.034	10.073,236	157.556,584	15,641	15,175	96	80	1.619	14,966	37,469	2,504	2,037
47	31	94.680	9.557,865	147.483,348	15,431	14,964	97	81	1.073	9,443	22,503	2,383	1,917
48	32	94.291	9.065,372	137.925,483	15,215	14,748	98	82	686	5,750	13,060	2,271	1,805
49	33	93.873	8.595,383	128.860,112	14,992	14,525	99	83	422	3,368	7,309	2,170	1,704
							100	84	250	1,899	3,941	2,075	1,609

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 17 Jahre

Zinsfuß 5,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	33	93.452	8.149,337	120.504,832	14,787	14,321
1							51	34	92.951	7.719,728	112.355,495	14,554	14,088
2							52	35	92.427	7.310,603	104.635,766	14,313	13,846
3							53	36	91.837	6.918,102	97.325,163	14,068	13,602
4							54	37	91.209	6.543,552	90.407,061	13,816	13,350
5							55	38	90.534	6.185,844	83.863,509	13,557	13,091
6							56	39	89.793	5.843,091	77.677,665	13,294	12,828
7							57	40	89.019	5.516,850	71.834,574	13,021	12,555
8							58	41	88.172	5.204,148	66.317,725	12,743	12,277
9							59	42	87.245	4.904,245	61.113,576	12,461	11,995
10							60	43	86.231	4.616,417	56.209,331	12,176	11,710
11							61	44	85.149	4.341,447	51.592,914	11,884	11,417
12							62	45	84.010	4.079,362	47.251,467	11,583	11,117
13							63	46	82.747	3.826,696	43.172,105	11,282	10,815
14							64	47	81.404	3.585,356	39.345,409	10,974	10,508
15							65	48	79.964	3.354,200	35.760,053	10,661	10,195
16							66	49	78.397	3.131,878	32.405,853	10,347	9,881
17	0	99.264	43.308,588	836.956,125	19,325	18,859	67	50	76.712	2.918,626	29.273,975	10,030	9,564
18	1	98.837	41.068,838	793.647,537	19,325	18,858	68	51	74.879	2.713,231	26.355,349	9,714	9,247
19	2	98.727	39.069,515	752.578,698	19,263	18,796	69	52	72.906	2.515,937	23.642,118	9,397	8,931
20	3	98.628	37.171,742	713.509,184	19,195	18,729	70	53	70.813	2.327,368	21.126,182	9,077	8,611
21	4	98.536	35.368,673	676.337,441	19,122	18,656	71	54	68.577	2.146,530	18.798,814	8,758	8,291
22	5	98.446	33.653,691	640.968,769	19,046	18,580	72	55	66.186	1.973,051	16.652,284	8,440	7,973
23	6	98.359	32.022,783	607.315,077	18,965	18,499	73	56	63.614	1.806,077	14.679,234	8,128	7,661
24	7	98.277	30.472,475	575.292,294	18,879	18,413	74	57	60.902	1.646,723	12.873,157	7,817	7,351
25	8	98.197	28.997,822	544.819,820	18,788	18,322	75	58	58.056	1.495,022	11.226,433	7,509	7,043
26	9	98.116	27.594,123	515.821,998	18,693	18,227	76	59	55.105	1.351,459	9.731,412	7,201	6,734
27	10	98.039	26.259,626	488.227,875	18,592	18,126	77	60	52.090	1.216,679	8.379,953	6,888	6,421
28	11	97.961	24.989,181	461.968,249	18,487	18,020	78	61	48.967	1.089,288	7.163,274	6,576	6,110
29	12	97.880	23.779,496	436.979,069	18,376	17,910	79	62	45.736	968,959	6.073,986	6,269	5,802
30	13	97.802	22.629,288	413.199,573	18,260	17,793	80	63	42.422	855,944	5.105,027	5,964	5,498
31	14	97.722	21.533,872	390.570,284	18,137	17,671	81	64	39.002	749,469	4.249,083	5,669	5,203
32	15	97.633	20.489,866	369.036,413	18,011	17,544	82	65	35.538	650,384	3.499,614	5,381	4,914
33	16	97.536	19.494,688	348.546,546	17,879	17,413	83	66	31.939	556,689	2.849,230	5,118	4,652
34	17	97.429	18.546,154	329.051,859	17,742	17,276	84	67	28.425	471,845	2.292,541	4,859	4,392
35	18	97.315	17.642,252	310.505,705	17,600	17,134	85	68	25.034	395,761	1.820,697	4,600	4,134
36	19	97.185	16.779,734	292.863,453	17,453	16,987	86	69	21.872	329,306	1.424,935	4,327	3,861
37	20	97.049	15.958,234	276.083,719	17,300	16,834	87	70	18.732	268,609	1.095,630	4,079	3,613
38	21	96.901	15.175,162	260.125,485	17,142	16,675	88	71	15.693	214,311	827,021	3,859	3,393
39	22	96.743	14.429,089	244.950,322	16,976	16,510	89	72	12.883	167,565	612,710	3,657	3,190
40	23	96.568	13.717,095	230.521,233	16,805	16,339	90	73	10.376	128,533	445,145	3,463	2,997
41	24	96.377	13.037,999	216.804,139	16,629	16,162	91	74	8.193	96,653	316,613	3,276	2,809
42	25	96.168	12.390,186	203.766,140	16,446	15,979	92	75	6.303	70,821	219,960	3,106	2,639
43	26	95.932	11.771,254	191.375,954	16,258	15,792	93	76	4.728	50,595	149,139	2,948	2,481
44	27	95.668	11.179,835	179.604,701	16,065	15,599	94	77	3.454	35,202	98,544	2,799	2,333
45	28	95.383	10.615,802	168.424,866	15,865	15,399	95	78	2.453	23,811	63,342	2,660	2,194
46	29	95.061	10.076,185	157.809,064	15,662	15,195	96	79	1.690	15,623	39,531	2,530	2,064
47	30	94.711	9.560,995	147.732,879	15,452	14,985	97	80	1.128	9,927	23,907	2,408	1,942
48	31	94.325	9.068,611	138.171,884	15,236	14,770	98	81	726	6,090	13,981	2,296	1,829
49	32	93.906	8.598,441	129.103,273	15,015	14,548	99	82	451	3,601	7,891	2,191	1,725
							100	83	269	2,046	4,290	2,097	1,631

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 18 Jahre

Zinsfuß 5,00%

Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	32	93.485	8.152,236	120.724,117	14,809	14,342
1							51	33	92.989	7.722,814	112.571,881	14,577	14,110
2							52	34	92.470	7.314,032	104.849,067	14,335	13,869
3							53	35	91.884	6.921,645	97.535,035	14,091	13,625
4							54	36	91.260	6.547,255	90.613,390	13,840	13,374
5							55	37	90.589	6.189,639	84.066,135	13,582	13,115
6							56	38	89.856	5.847,181	77.876,496	13,319	12,852
7							57	39	89.090	5.521,268	72.029,315	13,046	12,579
8							58	40	88.248	5.208,680	66.508,046	12,769	12,302
9							59	41	87.331	4.909,098	61.299,367	12,487	12,020
10							60	42	86.328	4.621,615	56.390,269	12,201	11,735
11							61	43	85.260	4.347,089	51.768,654	11,909	11,442
12							62	44	84.127	4.085,048	47.421,565	11,609	11,142
13							63	45	82.878	3.832,775	43.336,516	11,307	10,840
14							64	46	81.551	3.591,807	39.503,741	10,998	10,532
15							65	47	80.120	3.360,736	35.911,935	10,686	10,219
16							66	48	78.563	3.138,531	32.551,199	10,371	9,905
17							67	49	76.897	2.925,667	29.412,668	10,053	9,587
18	0	99.214	41.225,369	794.140,028	19,263	18,797	68	50	75.069	2.720,104	26.487,000	9,737	9,271
19	1	98.762	39.083,512	752.914,659	19,264	18,798	69	51	73.109	2.522,943	23.766,897	9,420	8,954
20	2	98.647	37.179,093	713.831,147	19,200	18,733	70	52	71.028	2.334,425	21.243,954	9,100	8,634
21	3	98.553	35.374,745	676.652,054	19,128	18,662	71	53	68.794	2.153,329	18.909,528	8,782	8,315
22	4	98.459	33.658,039	641.277,310	19,053	18,586	72	54	66.417	1.979,937	16.756,199	8,463	7,997
23	5	98.372	32.026,969	607.619,271	18,972	18,506	73	55	63.856	1.812,942	14.776,262	8,150	7,684
24	6	98.286	30.475,283	575.592,301	18,887	18,421	74	56	61.147	1.653,361	12.963,320	7,841	7,374
25	7	98.205	29.000,347	545.117,018	18,797	18,331	75	57	58.316	1.501,724	11.309,959	7,531	7,065
26	8	98.125	27.596,772	516.116,671	18,702	18,236	76	58	55.371	1.357,999	9.808,235	7,223	6,756
27	9	98.046	26.261,323	488.519,899	18,602	18,136	77	59	52.356	1.222,896	8.450,236	6,910	6,444
28	10	97.969	24.991,282	462.258,576	18,497	18,030	78	60	49.239	1.095,317	7.227,340	6,598	6,132
29	11	97.889	23.781,726	437.267,294	18,387	17,920	79	61	45.995	974,443	6.132,024	6,293	5,826
30	12	97.811	22.631,210	413.485,568	18,271	17,804	80	62	42.690	861,365	5.157,581	5,988	5,521
31	13	97.731	21.535,958	390.854,358	18,149	17,683	81	63	39.269	754,602	4.296,216	5,693	5,227
32	14	97.644	20.492,254	369.318,400	18,022	17,556	82	64	35.800	655,175	3.541,615	5,406	4,939
33	15	97.553	19.498,171	348.826,145	17,890	17,424	83	65	32.202	561,273	2.886,440	5,143	4,676
34	16	97.450	18.550,083	329.327,974	17,753	17,287	84	66	28.685	476,157	2.325,167	4,883	4,417
35	17	97.336	17.646,134	310.777,892	17,612	17,145	85	67	25.291	399,826	1.849,010	4,625	4,158
36	18	97.213	16.784,561	293.131,757	17,464	16,998	86	68	22.125	333,116	1.449,184	4,350	3,884
37	19	97.075	15.962,659	276.347,196	17,312	16,846	87	69	18.974	272,080	1.116,068	4,102	3,636
38	20	96.931	15.179,957	260.384,537	17,153	16,687	88	70	15.919	217,401	843,988	3,882	3,416
39	21	96.767	14.432,620	245.204,580	16,990	16,523	89	71	13.096	170,326	626,587	3,679	3,212
40	22	96.594	13.720,809	230.771,960	16,819	16,353	90	72	10.567	130,892	456,261	3,486	3,019
41	23	96.402	13.041,401	217.051,150	16,643	16,177	91	73	8.363	98,662	325,369	3,298	2,831
42	24	96.194	12.393,553	204.009,749	16,461	15,995	92	74	6.450	72,471	226,706	3,128	2,662
43	25	95.955	11.774,151	191.616,196	16,274	15,808	93	75	4.854	51,941	154,235	2,969	2,503
44	26	95.694	11.182,966	179.842,045	16,082	15,615	94	76	3.557	36,252	102,294	2,822	2,355
45	27	95.411	10.618,896	168.659,080	15,883	15,417	95	77	2.536	24,612	66,042	2,683	2,217
46	28	95.090	10.079,177	158.040,184	15,680	15,213	96	78	1.755	16,225	41,431	2,554	2,087
47	29	94.739	9.563,795	147.961,006	15,471	15,005	97	79	1.177	10,363	25,206	2,432	1,966
48	30	94.356	9.071,581	138.397,212	15,256	14,790	98	80	764	6,402	14,843	2,319	1,852
49	31	93.940	8.601,513	129.325,630	15,035	14,569	99	81	478	3,813	8,442	2,214	1,747
							100	82	288	2,187	4,628	2,116	1,650

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 19 Jahre

Zinsfuß 5,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	31	93.518	8.155,149	120.924,631	14,828	14,362
1							51	32	93.022	7.725,561	112.769,482	14,597	14,131
2							52	33	92.507	7.316,956	105.043,921	14,356	13,890
3							53	34	91.928	6.924,892	97.726,965	14,112	13,646
4							54	35	91.307	6.550,608	90.802,073	13,862	13,395
5							55	36	90.641	6.193,141	84.251,465	13,604	13,138
6							56	37	89.911	5.850,769	78.058,323	13,342	12,875
7							57	38	89.152	5.525,133	72.207,554	13,069	12,603
8							58	39	88.319	5.212,851	66.682,421	12,792	12,326
9							59	40	87.407	4.913,372	61.469,570	12,511	12,044
10							60	41	86.413	4.626,188	56.556,198	12,225	11,759
11							61	42	85.356	4.351,984	51.930,010	11,932	11,466
12							62	43	84.236	4.090,358	47.578,026	11,632	11,165
13							63	44	82.994	3.838,118	43.487,668	11,330	10,864
14							64	45	81.680	3.597,512	39.649,550	11,021	10,555
15							65	46	80.264	3.366,782	36.052,038	10,708	10,242
16							66	47	78.716	3.144,647	32.685,256	10,394	9,928
17							67	48	77.060	2.931,883	29.540,609	10,076	9,609
18							68	49	75.250	2.726,666	26.608,727	9,759	9,292
19	0	99.139	39.232,475	753.372,182	19,203	18,736	69	50	73.294	2.529,334	23.882,061	9,442	8,976
20	1	98.683	37.192,413	714.139,707	19,201	18,735	70	51	71.226	2.340,927	21.352,727	9,121	8,655
21	2	98.572	35.381,740	676.947,293	19,133	18,666	71	52	69.003	2.159,859	19.011,800	8,802	8,336
22	3	98.475	33.663,817	641.565,553	19,058	18,592	72	53	66.628	1.986,209	16.851,941	8,484	8,018
23	4	98.384	32.031,106	607.901,736	18,978	18,512	73	54	64.079	1.819,270	14.865,732	8,171	7,705
24	5	98.299	30.479,267	575.870,630	18,894	18,427	74	55	61.380	1.659,646	13.046,462	7,861	7,395
25	6	98.215	29.003,020	545.391,363	18,805	18,338	75	56	58.551	1.507,777	11.386,817	7,552	7,086
26	7	98.134	27.599,176	516.388,343	18,710	18,244	76	57	55.620	1.364,087	9.879,039	7,242	6,776
27	8	98.055	26.263,844	488.789,167	18,611	18,144	77	58	52.609	1.228,813	8.514,952	6,929	6,463
28	9	97.975	24.992,897	462.525,323	18,506	18,040	78	59	49.490	1.100,913	7.286,139	6,618	6,152
29	10	97.897	23.783,726	437.532,426	18,396	17,930	79	60	46.250	979,836	6.185,226	6,313	5,846
30	11	97.820	22.633,333	413.748,700	18,281	17,814	80	61	42.932	866,239	5.205,390	6,009	5,543
31	12	97.739	21.537,787	391.115,367	18,159	17,693	81	62	39.518	759,380	4.339,151	5,714	5,248
32	13	97.654	20.494,240	369.577,580	18,033	17,567	82	63	36.045	659,662	3.579,770	5,427	4,960
33	14	97.564	19.500,444	349.083,340	17,901	17,435	83	64	32.439	565,408	2.920,108	5,165	4,698
34	15	97.467	18.553,398	329.582,896	17,764	17,298	84	65	28.921	480,078	2.354,701	4,905	4,438
35	16	97.357	17.649,872	311.029,499	17,622	17,156	85	66	25.522	403,480	1.874,623	4,646	4,180
36	17	97.234	16.788,255	293.379,627	17,475	17,009	86	67	22.352	336,537	1.471,143	4,371	3,905
37	18	97.103	15.967,251	276.591,372	17,322	16,856	87	68	19.194	275,228	1.134,606	4,122	3,656
38	19	96.958	15.184,166	260.624,121	17,164	16,698	88	69	16.125	220,210	859,378	3,903	3,436
39	20	96.798	14.437,180	245.439,955	17,001	16,534	89	70	13.285	172,782	639,168	3,699	3,233
40	21	96.618	13.724,167	231.002,774	16,832	16,365	90	71	10.741	133,049	466,386	3,505	3,039
41	22	96.428	13.044,933	217.278,607	16,656	16,190	91	72	8.517	100,474	333,336	3,318	2,851
42	23	96.219	12.396,787	204.233,674	16,475	16,008	92	73	6.584	73,978	232,863	3,148	2,681
43	24	95.981	11.777,351	191.836,887	16,289	15,822	93	74	4.967	53,151	158,885	2,989	2,523
44	25	95.718	11.185,718	180.059,536	16,097	15,631	94	75	3.652	37,217	105,733	2,841	2,375
45	26	95.438	10.621,870	168.873,818	15,899	15,432	95	76	2.611	25,346	68,517	2,703	2,237
46	27	95.117	10.082,115	158.251,948	15,696	15,230	96	77	1.814	16,770	43,171	2,574	2,108
47	28	94.767	9.566,634	148.169,833	15,488	15,022	97	78	1.222	10,762	26,401	2,453	1,987
48	29	94.384	9.074,237	138.603,199	15,274	14,808	98	79	797	6,683	15,639	2,340	1,874
49	30	93.971	8.604,330	129.528,961	15,054	14,588	99	80	502	4,009	8,957	2,234	1,768
							100	81	305	2,316	4,948	2,136	1,670

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 20 Jahre

Zinsfuß 5,00%

Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	30	93.549	8.157,820	121.107,971	14,846	14,379
1							51	31	93.055	7.728,322	112.950,151	14,615	14,149
2							52	32	92.540	7.319,559	105.221,830	14,375	13,909
3							53	33	91.964	6.927,660	97.902,271	14,132	13,666
4							54	34	91.350	6.553,681	90.974,611	13,881	13,415
5							55	35	90.687	6.196,314	84.420,930	13,624	13,158
6							56	36	89.962	5.854,079	78.224,617	13,362	12,896
7							57	37	89.207	5.528,523	72.370,538	13,090	12,624
8							58	38	88.381	5.216,500	66.842,014	12,814	12,347
9							59	39	87.477	4.917,307	61.625,514	12,532	12,066
10							60	40	86.489	4.630,216	56.708,207	12,247	11,781
11							61	41	85.441	4.356,290	52.077,991	11,955	11,488
12							62	42	84.331	4.094,963	47.721,700	11,654	11,187
13							63	43	83.101	3.843,106	43.626,737	11,352	10,886
14							64	44	81.794	3.602,527	39.783,631	11,043	10,577
15							65	45	80.391	3.372,131	36.181,104	10,729	10,263
16							66	46	78.858	3.150,304	32.808,973	10,415	9,948
17							67	47	77.210	2.937,595	29.658,669	10,096	9,630
18							68	48	75.409	2.732,458	26.721,074	9,779	9,313
19							69	49	73.471	2.535,436	23.988,615	9,461	8,995
20	0	99.059	37.334,169	714.564,882	19,140	18,673	70	50	71.406	2.346,856	21.453,179	9,141	8,675
21	1	98.608	35.394,416	677.230,713	19,134	18,667	71	51	69.195	2.165,874	19.106,323	8,822	8,355
22	2	98.495	33.670,474	641.836,297	19,062	18,596	72	52	66.830	1.992,232	16.940,449	8,503	8,037
23	3	98.401	32.036,605	608.165,823	18,983	18,517	73	53	64.282	1.825,033	14.948,217	8,191	7,724
24	4	98.311	30.483,204	576.129,217	18,900	18,433	74	54	61.594	1.665,439	13.123,185	7,880	7,413
25	5	98.227	29.006,812	545.646,013	18,811	18,345	75	55	58.774	1.513,509	11.457,746	7,570	7,104
26	6	98.143	27.601,719	516.639,201	18,718	18,251	76	56	55.844	1.369,585	9.944,237	7,261	6,794
27	7	98.063	26.266,131	489.037,482	18,619	18,152	77	57	52.845	1.234,322	8.574,652	6,947	6,480
28	8	97.985	24.995,296	462.771,351	18,514	18,048	78	58	49.730	1.106,241	7.340,330	6,635	6,169
29	9	97.903	23.785,263	437.776,054	18,405	17,939	79	59	46.486	984,843	6.234,089	6,330	5,864
30	10	97.828	22.635,236	413.990,791	18,290	17,823	80	60	43.170	871,034	5.249,247	6,026	5,560
31	11	97.748	21.539,807	391.355,555	18,169	17,703	81	61	39.741	763,678	4.378,213	5,733	5,267
32	12	97.662	20.495,981	369.815,748	18,043	17,577	82	62	36.273	663,840	3.614,535	5,445	4,978
33	13	97.574	19.502,333	349.319,767	17,912	17,445	83	63	32.662	569,280	2.950,696	5,183	4,717
34	14	97.479	18.555,560	329.817,434	17,775	17,308	84	64	29.134	483,615	2.381,416	4,924	4,458
35	15	97.374	17.653,026	311.261,874	17,632	17,166	85	65	25.732	406,802	1.897,801	4,665	4,199
36	16	97.255	16.791,811	293.608,848	17,485	17,019	86	66	22.556	339,612	1.490,999	4,390	3,924
37	17	97.125	15.970,765	276.817,037	17,333	16,866	87	67	19.391	278,055	1.151,386	4,141	3,674
38	18	96.986	15.188,534	260.846,272	17,174	16,707	88	68	16.311	222,758	873,332	3,921	3,454
39	19	96.825	14.441,184	245.657,738	17,011	16,545	89	69	13.456	175,015	650,574	3,717	3,251
40	20	96.649	13.728,504	231.216,554	16,842	16,376	90	70	10.896	134,968	475,559	3,523	3,057
41	21	96.452	13.048,125	217.488,051	16,668	16,202	91	71	8.657	102,130	340,591	3,335	2,868
42	22	96.245	12.400,144	204.439,925	16,487	16,020	92	72	6.705	75,336	238,461	3,165	2,699
43	23	96.007	11.780,424	192.039,781	16,302	15,835	93	73	5.071	54,256	163,125	3,007	2,540
44	24	95.744	11.188,758	180.259,356	16,111	15,644	94	74	3.737	38,083	108,869	2,859	2,392
45	25	95.461	10.624,484	169.070,599	15,913	15,447	95	75	2.681	26,020	70,785	2,720	2,254
46	26	95.144	10.084,939	158.446,115	15,711	15,245	96	76	1.868	17,270	44,765	2,592	2,126
47	27	94.794	9.569,423	148.361,176	15,504	15,037	97	77	1.264	11,123	27,495	2,472	2,005
48	28	94.412	9.076,932	138.791,753	15,291	14,824	98	78	828	6,940	16,371	2,359	1,893
49	29	93.998	8.606,850	129.714,821	15,071	14,605	99	79	524	4,185	9,432	2,254	1,787
							100	80	320	2,435	5,247	2,155	1,689

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 21 Jahre

Zinsfuß 5,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	29	93.576	8.160,209	121.275,537	14,862	14,395
1							51	30	93.085	7.730,853	113.115,328	14,632	14,165
2							52	31	92.573	7.322,174	105.384,475	14,393	13,926
3							53	32	91.997	6.930,124	98.062,301	14,150	13,684
4							54	33	91.386	6.556,300	91.132,177	13,900	13,434
5							55	34	90.729	6.199,220	84.575,877	13,643	13,177
6							56	35	90.008	5.857,078	78.376,657	13,382	12,915
7							57	36	89.258	5.531,651	72.519,579	13,110	12,644
8							58	37	88.435	5.219,701	66.987,928	12,834	12,367
9							59	38	87.539	4.920,749	61.768,226	12,553	12,086
10							60	39	86.558	4.633,924	56.847,477	12,268	11,801
11							61	40	85.515	4.360,083	52.213,553	11,975	11,509
12							62	41	84.414	4.099,015	47.853,469	11,674	11,208
13							63	42	83.195	3.847,433	43.754,454	11,372	10,906
14							64	43	81.900	3.607,209	39.907,021	11,063	10,597
15							65	44	80.503	3.376,831	36.299,812	10,750	10,283
16							66	45	78.983	3.155,309	32.922,980	10,434	9,968
17							67	46	77.349	2.942,881	29.767,672	10,115	9,649
18							68	47	75.556	2.737,783	26.824,791	9,798	9,332
19							69	48	73.627	2.540,823	24.087,009	9,480	9,014
20							70	49	71.579	2.352,518	21.546,186	9,159	8,692
21	0	98.983	35.529,319	677.625,963	19,072	18,606	71	50	69.370	2.171,360	19.193,668	8,839	8,373
22	1	98.530	33.682,537	642.096,644	19,063	18,597	72	51	67.016	1.997,780	17.022,308	8,521	8,054
23	2	98.421	32.042,941	608.414,107	18,987	18,521	73	52	64.477	1.830,567	15.024,528	8,208	7,741
24	3	98.328	30.488,438	576.371,166	18,905	18,438	74	53	61.789	1.670,714	13.193,961	7,897	7,431
25	4	98.240	29.010,558	545.882,728	18,817	18,350	75	54	58.979	1.518,792	11.523,247	7,587	7,121
26	5	98.156	27.605,328	516.872,170	18,724	18,257	76	55	56.056	1.374,792	10.004,455	7,277	6,811
27	6	98.072	26.268,552	489.266,842	18,626	18,159	77	56	53.058	1.239,297	8.629,664	6,963	6,497
28	7	97.993	24.997,473	462.998,290	18,522	18,055	78	57	49.953	1.111,200	7.390,366	6,651	6,184
29	8	97.913	23.787,547	438.000,817	18,413	17,947	79	58	46.711	989,608	6.279,166	6,345	5,879
30	9	97.835	22.636,699	414.213,270	18,298	17,832	80	59	43.390	875,484	5.289,558	6,042	5,575
31	10	97.757	21.541,619	391.576,571	18,178	17,711	81	60	39.961	767,904	4.414,074	5,748	5,282
32	11	97.671	20.497,903	370.034,952	18,052	17,586	82	61	36.478	667,596	3.646,169	5,462	4,995
33	12	97.582	19.503,990	349.537,050	17,921	17,455	83	62	32.868	572,885	2.978,573	5,199	4,733
34	13	97.488	18.557,358	330.033,060	17,784	17,318	84	63	29.334	486,927	2.405,688	4,941	4,474
35	14	97.386	17.655,083	311.475,702	17,642	17,176	85	64	25.922	409,799	1.918,761	4,682	4,216
36	15	97.272	16.794,812	293.820,619	17,495	17,028	86	65	22.742	342,409	1.508,962	4,407	3,940
37	16	97.145	15.974,148	277.025,807	17,342	16,876	87	66	19.568	280,596	1.166,553	4,157	3,691
38	17	97.007	15.191,877	261.051,659	17,184	16,717	88	67	16.479	225,046	885,958	3,937	3,470
39	18	96.852	14.445,338	245.859,782	17,020	16,554	89	68	13.612	177,040	660,912	3,733	3,267
40	19	96.675	13.732,310	231.414,445	16,852	16,385	90	69	11.037	136,712	483,872	3,539	3,073
41	20	96.482	13.052,248	217.682,134	16,678	16,211	91	70	8.782	103,602	347,160	3,351	2,884
42	21	96.268	12.403,179	204.629,886	16,498	16,032	92	71	6.816	76,578	243,558	3,181	2,714
43	22	96.033	11.783,615	192.226,707	16,313	15,847	93	72	5.164	55,253	166,980	3,022	2,556
44	23	95.769	11.191,678	180.443,093	16,123	15,657	94	73	3.815	38,875	111,728	2,874	2,408
45	24	95.487	10.627,371	169.251,415	15,926	15,460	95	74	2.743	26,626	72,852	2,736	2,270
46	25	95.167	10.087,421	158.624,043	15,725	15,259	96	75	1.918	17,730	46,226	2,607	2,141
47	26	94.821	9.572,103	148.536,622	15,518	15,051	97	76	1.301	11,455	28,496	2,488	2,021
48	27	94.439	9.079,578	138.964,520	15,305	14,839	98	77	856	7,173	17,041	2,376	1,909
49	28	94.026	8.609,405	129.884,942	15,086	14,620	99	78	544	4,346	9,868	2,271	1,804
							100	79	334	2,542	5,522	2,173	1,706

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 22 Jahre

Zinsfuß 5,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	28	93.604	8.162,632	121.428,898	14,876	14,410
1							51	29	93.113	7.733,116	113.266,266	14,647	14,181
2							52	30	92.603	7.324,572	105.533,150	14,408	13,942
3							53	31	92.030	6.932,601	98.208,578	14,166	13,700
4							54	32	91.419	6.558,633	91.275,977	13,917	13,451
5							55	33	90.766	6.201,698	84.717,345	13,660	13,194
6							56	34	90.050	5.859,825	78.515,647	13,399	12,933
7							57	35	89.303	5.534,485	72.655,822	13,128	12,661
8							58	36	88.485	5.222,654	67.121,337	12,852	12,386
9							59	37	87.592	4.923,769	61.898,683	12,571	12,105
10							60	38	86.619	4.637,168	56.974,914	12,287	11,820
11							61	39	85.583	4.363,575	52.337,746	11,994	11,528
12							62	40	84.488	4.102,584	47.974,170	11,694	11,227
13							63	41	83.277	3.851,240	43.871,586	11,392	10,925
14							64	42	81.993	3.611,271	40.020,346	11,082	10,616
15							65	43	80.608	3.381,220	36.409,075	10,768	10,302
16							66	44	79.093	3.159,707	33.027,855	10,453	9,986
17							67	45	77.472	2.947,555	29.868,148	10,133	9,667
18							68	46	75.692	2.742,708	26.920,593	9,815	9,349
19							69	47	73.770	2.545,773	24.177,884	9,497	9,031
20							70	48	71.731	2.357,516	21.632,111	9,176	8,709
21							71	49	69.537	2.176,599	19.274,595	8,855	8,389
22	0	98.906	33.810,915	642.464,188	19,002	18,535	72	50	67.186	2.002,841	17.097,997	8,537	8,070
23	1	98.456	32.054,421	608.653,273	18,988	18,522	73	51	64.657	1.835,665	15.095,156	8,223	7,757
24	2	98.348	30.494,467	576.598,853	18,908	18,442	74	52	61.976	1.675,780	13.259,491	7,912	7,446
25	3	98.257	29.015,539	546.104,386	18,821	18,355	75	53	59.166	1.523,602	11.583,711	7,603	7,136
26	4	98.168	27.608,894	517.088,847	18,729	18,263	76	54	56.252	1.379,590	10.060,109	7,292	6,826
27	5	98.085	26.271,986	489.479,953	18,631	18,165	77	55	53.260	1.244,008	8.680,518	6,978	6,511
28	6	98.002	24.999,777	463.207,967	18,528	18,062	78	56	50.154	1.115,679	7.436,510	6,665	6,199
29	7	97.921	23.789,618	438.208,190	18,420	17,954	79	57	46.920	994,045	6.320,831	6,359	5,892
30	8	97.844	22.638,872	414.418,572	18,306	17,839	80	58	43.600	879,721	5.326,786	6,055	5,589
31	9	97.763	21.543,011	391.779,700	18,186	17,720	81	59	40.166	771,828	4.447,066	5,762	5,295
32	10	97.680	20.499,627	370.236,689	18,061	17,594	82	60	36.680	671,291	3.675,237	5,475	5,008
33	11	97.591	19.505,819	349.737,062	17,930	17,463	83	61	33.054	576,127	3.003,946	5,214	4,748
34	12	97.497	18.558,934	330.231,243	17,794	17,327	84	62	29.519	490,010	2.427,819	4,955	4,488
35	13	97.395	17.656,794	311.672,309	17,652	17,185	85	63	26.099	412,605	1.937,809	4,697	4,230
36	14	97.284	16.796,769	294.015,515	17,504	17,038	86	64	22.909	344,931	1.525,203	4,422	3,955
37	15	97.163	15.977,003	277.218,746	17,351	16,885	87	65	19.729	282,906	1.180,272	4,172	3,706
38	16	97.028	15.195,094	261.241,743	17,193	16,726	88	66	16.630	227,103	897,366	3,951	3,485
39	17	96.874	14.448,517	246.046,649	17,029	16,563	89	67	13.752	178,858	670,263	3,747	3,281
40	18	96.703	13.736,261	231.598,132	16,860	16,394	90	68	11.165	138,294	491,405	3,553	3,087
41	19	96.509	13.055,867	217.861,871	16,687	16,220	91	69	8.896	104,941	353,111	3,365	2,898
42	20	96.299	12.407,098	204.806,004	16,507	16,041	92	70	6.914	77,682	248,170	3,195	2,728
43	21	96.056	11.786,498	192.398,906	16,324	15,857	93	71	5.249	56,163	170,489	3,036	2,569
44	22	95.795	11.194,709	180.612,408	16,134	15,667	94	72	3.885	39,589	114,325	2,888	2,421
45	23	95.512	10.630,145	169.417,699	15,937	15,471	95	73	2.800	27,180	74,736	2,750	2,283
46	24	95.193	10.090,162	158.787,554	15,737	15,270	96	74	1.963	18,143	47,556	2,621	2,155
47	25	94.844	9.574,459	148.697,392	15,531	15,064	97	75	1.336	11,760	29,413	2,501	2,035
48	26	94.466	9.082,120	139.122,933	15,318	14,852	98	76	881	7,387	17,653	2,390	1,923
49	27	94.054	8.611,915	130.040,813	15,100	14,634	99	77	563	4,492	10,266	2,285	1,819
							100	78	347	2,640	5,774	2,188	1,721

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 23 Jahre

Zinsfuß 5,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	27	93.631	8.165,011	121.569,402	14,889	14,423
1							51	28	93.140	7.735,412	113.404,391	14,660	14,194
2							52	29	92.630	7.326,717	105.668,978	14,422	13,956
3							53	30	92.060	6.934,871	98.342,262	14,181	13,714
4							54	31	91.451	6.560,976	91.407,390	13,932	13,466
5							55	32	90.798	6.203,904	84.846,414	13,676	13,210
6							56	33	90.086	5.862,167	78.642,510	13,415	12,949
7							57	34	89.345	5.537,081	72.780,343	13,144	12,678
8							58	35	88.531	5.225,329	67.243,262	12,869	12,402
9							59	36	87.642	4.926,555	62.017,933	12,589	12,122
10							60	37	86.672	4.640,014	57.091,378	12,304	11,838
11							61	38	85.643	4.366,630	52.451,365	12,012	11,545
12							62	39	84.555	4.105,870	48.084,735	11,711	11,245
13							63	40	83.350	3.854,594	43.978,865	11,409	10,943
14							64	41	82.074	3.614,844	40.124,272	11,100	10,633
15							65	42	80.699	3.385,027	36.509,427	10,786	10,319
16							66	43	79.196	3.163,814	33.124,400	10,470	10,003
17							67	44	77.580	2.951,664	29.960,587	10,150	9,684
18							68	45	75.813	2.747,065	27.008,922	9,832	9,366
19							69	46	73.903	2.550,354	24.261,857	9,513	9,047
20							70	47	71.871	2.362,109	21.711,504	9,192	8,725
21							71	48	69.685	2.181,223	19.349,394	8,871	8,404
22							72	49	67.348	2.007,672	17.168,172	8,551	8,085
23	0	98.831	32.176,593	608.995,162	18,927	18,460	73	50	64.820	1.840,315	15.160,499	8,238	7,772
24	1	98.383	30.505,392	576.818,568	18,909	18,442	74	51	62.149	1.680,447	13.320,184	7,927	7,460
25	2	98.276	29.021,277	546.313,176	18,825	18,358	75	52	59.345	1.528,222	11.639,737	7,617	7,150
26	3	98.185	27.613,633	517.291,900	18,733	18,267	76	53	56.430	1.383,960	10.111,515	7,306	6,840
27	4	98.098	26.275,380	489.678,266	18,636	18,170	77	54	53.446	1.248,350	8.727,555	6,991	6,525
28	5	98.015	25.003,045	463.402,886	18,534	18,067	78	55	50.345	1.119,920	7.479,204	6,678	6,212
29	6	97.930	23.791,811	438.399,841	18,427	17,960	79	56	47.109	998,052	6.359,284	6,372	5,905
30	7	97.852	22.640,844	414.608,030	18,312	17,846	80	57	43.796	883,665	5.361,233	6,067	5,601
31	8	97.772	21.545,079	391.967,186	18,193	17,726	81	58	40.360	775,563	4.477,568	5,773	5,307
32	9	97.686	20.500,951	370.422,107	18,069	17,602	82	59	36.868	674,721	3.702,005	5,487	5,020
33	10	97.599	19.507,459	349.921,156	17,938	17,471	83	60	33.237	579,316	3.027,283	5,226	4,759
34	11	97.506	18.560,674	330.413,697	17,802	17,335	84	61	29.686	492,783	2.447,968	4,968	4,501
35	12	97.403	17.658,294	311.853,022	17,660	17,194	85	62	26.264	415,218	1.955,184	4,709	4,242
36	13	97.293	16.798,397	294.194,728	17,513	17,047	86	63	23.066	347,294	1.539,966	4,434	3,968
37	14	97.174	15.978,865	277.396,332	17,360	16,894	87	64	19.875	284,990	1.192,672	4,185	3,719
38	15	97.045	15.197,810	261.417,467	17,201	16,735	88	65	16.766	228,973	907,682	3,964	3,498
39	16	96.894	14.451,577	246.219,657	17,038	16,571	89	66	13.877	180,492	678,709	3,760	3,294
40	17	96.724	13.739,284	231.768,080	16,869	16,403	90	67	11.279	139,714	498,217	3,566	3,100
41	18	96.537	13.059,623	218.028,796	16,695	16,228	91	68	8.998	106,155	358,503	3,377	2,911
42	19	96.325	12.410,538	204.969,173	16,516	16,049	92	69	7.003	78,686	252,348	3,207	2,741
43	20	96.086	11.790,222	192.558,635	16,332	15,866	93	70	5.324	56,973	173,662	3,048	2,582
44	21	95.818	11.197,448	180.768,412	16,144	15,677	94	71	3.949	40,242	116,689	2,900	2,433
45	22	95.538	10.633,024	169.570,964	15,948	15,481	95	72	2.852	27,679	76,447	2,762	2,296
46	23	95.218	10.092,796	158.937,940	15,748	15,281	96	73	2.004	18,520	48,769	2,633	2,167
47	24	94.870	9.577,061	148.845,145	15,542	15,075	97	74	1.367	12,034	30,248	2,514	2,047
48	25	94.489	9.084,356	139.268,084	15,331	14,864	98	75	905	7,584	18,214	2,402	1,935
49	26	94.080	8.614,327	130.183,729	15,112	14,646	99	76	579	4,626	10,631	2,298	1,832
							100	77	359	2,728	6,005	2,201	1,735

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 24 Jahre

Zinsfuß 5,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	26	93.658	8.167,298	121.698,217	14,901	14,434
1							51	27	93.167	7.737,667	113.530,920	14,672	14,206
2							52	28	92.658	7.328,892	105.793,252	14,435	13,969
3							53	29	92.087	6.936,902	98.464,360	14,194	13,728
4							54	30	91.481	6.563,125	91.527,458	13,946	13,479
5							55	31	90.830	6.206,121	84.964,333	13,690	13,224
6							56	32	90.118	5.864,253	78.758,213	13,430	12,964
7							57	33	89.381	5.539,294	72.893,960	13,159	12,693
8							58	34	88.572	5.227,780	67.354,666	12,884	12,418
9							59	35	87.687	4.929,078	62.126,886	12,604	12,138
10							60	36	86.721	4.642,639	57.197,808	12,320	11,854
11							61	37	85.696	4.369,309	52.555,169	12,028	11,562
12							62	38	84.615	4.108,744	48.185,860	11,728	11,261
13							63	39	83.417	3.857,681	44.077,116	11,426	10,959
14							64	40	82.145	3.617,992	40.219,435	11,117	10,650
15							65	41	80.779	3.388,377	36.601,443	10,802	10,336
16							66	42	79.285	3.167,376	33.213,067	10,486	10,020
17							67	43	77.681	2.955,500	30.045,691	10,166	9,700
18							68	44	75.918	2.750,895	27.090,190	9,848	9,381
19							69	45	74.020	2.554,405	24.339,296	9,528	9,062
20							70	46	72.000	2.366,359	21.784,891	9,206	8,740
21							71	47	69.821	2.185,473	19.418,532	8,885	8,419
22							72	48	67.491	2.011,938	17.233,059	8,565	8,099
23							73	49	64.977	1.844,754	15.221,121	8,251	7,785
24	0	98.758	30.621,661	577.136,684	18,847	18,381	74	50	62.306	1.684,704	13.376,367	7,940	7,473
25	1	98.312	29.031,674	546.515,024	18,825	18,358	75	51	59.510	1.532,479	11.691,663	7,629	7,163
26	2	98.204	27.619,094	517.483,349	18,736	18,270	76	52	56.601	1.388,157	10.159,184	7,318	6,852
27	3	98.115	26.279,890	489.864,255	18,640	18,174	77	53	53.615	1.252,305	8.771,028	7,004	6,538
28	4	98.028	25.006,275	463.584,365	18,539	18,072	78	54	50.520	1.123,829	7.518,723	6,690	6,224
29	5	97.943	23.794,921	438.578,090	18,432	17,965	79	55	47.288	1.001,845	6.394,894	6,383	5,917
30	6	97.861	22.642,930	414.783,168	18,318	17,852	80	56	43.972	887,227	5.393,049	6,079	5,612
31	7	97.781	21.546,956	392.140,238	18,199	17,733	81	57	40.541	779,040	4.505,822	5,784	5,317
32	8	97.695	20.502,919	370.593,282	18,075	17,609	82	58	37.046	677,986	3.726,782	5,497	5,030
33	9	97.606	19.508,720	350.090,363	17,945	17,479	83	59	33.407	582,276	3.048,796	5,236	4,770
34	10	97.514	18.562,235	330.581,643	17,809	17,343	84	60	29.851	495,511	2.466,520	4,978	4,511
35	11	97.413	17.659,950	312.019,408	17,668	17,202	85	61	26.413	417,568	1.971,009	4,720	4,254
36	12	97.301	16.799,823	294.359,458	17,522	17,055	86	62	23.212	349,493	1.553,441	4,445	3,978
37	13	97.183	15.980,413	277.559,634	17,369	16,902	87	63	20.011	286,942	1.203,948	4,196	3,729
38	14	97.057	15.199,581	261.579,221	17,210	16,743	88	64	16.890	230,660	917,006	3,976	3,509
39	15	96.912	14.454,160	246.379,640	17,046	16,579	89	65	13.992	181,979	686,346	3,772	3,305
40	16	96.745	13.742,194	231.925,480	16,877	16,410	90	66	11.382	140,991	504,368	3,577	3,111
41	17	96.558	13.062,497	218.183,287	16,703	16,237	91	67	9.091	107,245	363,377	3,388	2,922
42	18	96.353	12.414,108	205.120,790	16,523	16,057	92	68	7.084	79,596	256,131	3,218	2,751
43	19	96.113	11.793,492	192.706,681	16,340	15,874	93	69	5.393	57,709	176,535	3,059	2,593
44	20	95.849	11.200,986	180.913,189	16,152	15,685	94	70	4.006	40,822	118,826	2,911	2,444
45	21	95.561	10.635,626	169.712,203	15,957	15,491	95	71	2.899	28,135	78,004	2,772	2,306
46	22	95.244	10.095,529	159.076,577	15,757	15,291	96	72	2.040	18,860	49,869	2,644	2,178
47	23	94.895	9.579,560	148.981,049	15,552	15,086	97	73	1.395	12,284	31,009	2,524	2,058
48	24	94.515	9.086,824	139.401,489	15,341	14,875	98	74	926	7,760	18,725	2,413	1,946
49	25	94.103	8.616,447	130.314,664	15,124	14,658	99	75	595	4,749	10,964	2,309	1,842
							100	76	369	2,810	6,215	2,212	1,746

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 25 Jahre

Zinsfuß 5,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	25	93.681	8.169,308	121.816,215	14,911	14,445
1							51	26	93.194	7.739,834	113.646,907	14,683	14,217
2							52	27	92.685	7.331,029	105.907,073	14,446	13,980
3							53	28	92.114	6.938,961	98.576,044	14,206	13,740
4							54	29	91.508	6.565,047	91.637,083	13,958	13,492
5							55	30	90.860	6.208,153	85.072,036	13,703	13,237
6							56	31	90.151	5.866,348	78.863,883	13,443	12,977
7							57	32	89.413	5.541,264	72.997,535	13,173	12,707
8							58	33	88.607	5.229,870	67.456,271	12,898	12,432
9							59	34	87.728	4.931,390	62.226,401	12,618	12,152
10							60	35	86.765	4.645,017	57.295,011	12,335	11,868
11							61	36	85.744	4.371,781	52.649,994	12,043	11,577
12							62	37	84.667	4.111,265	48.278,213	11,743	11,277
13							63	38	83.475	3.860,381	44.166,947	11,441	10,975
14							64	39	82.211	3.620,889	40.306,566	11,132	10,665
15							65	40	80.849	3.391,327	36.685,677	10,817	10,351
16							66	41	79.364	3.170,510	33.294,350	10,501	10,035
17							67	42	77.768	2.958,828	30.123,840	10,181	9,715
18							68	43	76.017	2.754,470	27.165,012	9,862	9,396
19							69	44	74.124	2.557,966	24.410,542	9,543	9,077
20							70	45	72.114	2.370,118	21.852,576	9,220	8,754
21							71	46	69.947	2.189,405	19.482,458	8,899	8,432
22							72	47	67.622	2.015,858	17.293,053	8,579	8,112
23							73	48	65.115	1.848,674	15.277,196	8,264	7,797
24							74	49	62.457	1.688,768	13.428,522	7,952	7,485
25	0	98.686	29.142,326	546.811,103	18,763	18,297	75	50	59.661	1.536,360	11.739,754	7,641	7,175
26	1	98.240	27.628,989	517.668,777	18,736	18,270	76	51	56.759	1.392,023	10.203,393	7,330	6,864
27	2	98.134	26.285,087	490.039,788	18,643	18,177	77	52	53.778	1.256,102	8.811,371	7,015	6,548
28	3	98.045	25.010,568	463.754,700	18,542	18,076	78	53	50.680	1.127,389	7.555,269	6,702	6,235
29	4	97.956	23.797,995	438.744,132	18,436	17,970	79	54	47.454	1.005,342	6.427,880	6,394	5,927
30	5	97.874	22.645,891	414.946,137	18,323	17,857	80	55	44.139	890,599	5.422,538	6,089	5,622
31	6	97.790	21.548,941	392.300,247	18,205	17,739	81	56	40.704	782,180	4.531,938	5,794	5,328
32	7	97.704	20.504,705	370.751,305	18,081	17,615	82	57	37.212	681,026	3.749,758	5,506	5,040
33	8	97.615	19.510,593	350.246,600	17,952	17,485	83	58	33.569	585,093	3.068,732	5,245	4,778
34	9	97.520	18.563,435	330.736,007	17,817	17,350	84	59	30.003	498,043	2.483,639	4,987	4,520
35	10	97.421	17.661,435	312.172,572	17,675	17,209	85	60	26.559	419,879	1.985,596	4,729	4,263
36	11	97.311	16.801,399	294.511,137	17,529	17,063	86	61	23.344	351,471	1.565,717	4,455	3,988
37	12	97.192	15.981,770	277.709,738	17,377	16,910	87	62	20.137	288,759	1.214,246	4,205	3,739
38	13	97.066	15.201,054	261.727,968	17,218	16,751	88	63	17.006	232,239	925,487	3,985	3,519
39	14	96.923	14.455,844	246.526,914	17,054	16,587	89	64	14.095	183,319	693,247	3,782	3,315
40	15	96.762	13.744,650	232.071,070	16,884	16,418	90	65	11.476	142,152	509,928	3,587	3,121
41	16	96.578	13.065,264	218.326,420	16,710	16,244	91	66	9.174	108,226	367,776	3,398	2,932
42	17	96.374	12.416,840	205.261,156	16,531	16,064	92	67	7.157	80,413	259,551	3,228	2,761
43	18	96.141	11.796,884	192.844,316	16,347	15,881	93	68	5.456	58,377	179,137	3,069	2,602
44	19	95.875	11.204,092	181.047,431	16,159	15,693	94	69	4.058	41,349	120,761	2,920	2,454
45	20	95.591	10.638,986	169.843,339	15,964	15,498	95	70	2.941	28,541	79,411	2,782	2,316
46	21	95.267	10.097,999	159.204,353	15,766	15,300	96	71	2.074	19,171	50,870	2,653	2,187
47	22	94.921	9.582,154	149.106,354	15,561	15,094	97	72	1.421	12,510	31,699	2,534	2,068
48	23	94.539	9.089,196	139.524,199	15,351	14,884	98	73	945	7,922	19,190	2,422	1,956
49	24	94.129	8.618,788	130.435,004	15,134	14,667	99	74	609	4,860	11,268	2,319	1,852
							100	75	379	2,884	6,408	2,222	1,755

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 0 Jahre

Zinsfuß 5,25%

Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	0	100.000	100.000,000	1.916.470,883	19,165	18,698	50	50	91.638	7.095,287	96.729,907	13,633	13,166
1	1	99.166	94.219,295	1.816.470,883	19,279	18,812	51	51	90.953	6.691,011	89.634,620	13,396	12,929
2	2	99.090	89.451,308	1.722.251,588	19,254	18,787	52	52	90.231	6.306,755	82.943,609	13,152	12,685
3	3	99.051	84.955,455	1.632.800,280	19,219	18,753	53	53	89.431	5.939,014	76.636,853	12,904	12,437
4	4	99.016	80.689,195	1.547.844,825	19,183	18,716	54	54	88.588	5.589,595	70.697,839	12,648	12,181
5	5	98.990	76.644,137	1.467.155,630	19,142	18,676	55	55	87.680	5.256,372	65.108,244	12,387	11,920
6	6	98.963	72.801,542	1.390.511,494	19,100	18,633	56	56	86.694	4.938,024	59.851,872	12,121	11,654
7	7	98.942	69.155,677	1.317.709,951	19,054	18,587	57	57	85.670	4.636,278	54.913,848	11,844	11,378
8	8	98.922	65.692,271	1.248.554,275	19,006	18,539	58	58	84.550	4.347,409	50.277,570	11,565	11,098
9	9	98.900	62.402,048	1.182.862,003	18,955	18,489	59	59	83.341	4.071,489	45.930,160	11,281	10,814
10	10	98.885	59.279,977	1.120.459,956	18,901	18,434	60	60	82.046	3.808,278	41.858,671	10,991	10,525
11	11	98.867	56.312,990	1.061.179,978	18,844	18,378	61	61	80.675	3.557,888	38.050,394	10,695	10,228
12	12	98.844	53.491,282	1.004.866,988	18,786	18,319	62	62	79.258	3.321,019	34.492,506	10,386	9,919
13	13	98.822	50.812,118	951.375,705	18,723	18,257	63	63	77.698	3.093,271	31.171,487	10,077	9,610
14	14	98.800	48.266,610	900.563,587	18,658	18,191	64	64	76.054	2.876,803	28.078,216	9,760	9,293
15	15	98.770	45.845,209	852.296,977	18,591	18,124	65	65	74.307	2.670,495	25.201,413	9,437	8,970
16	16	98.729	43.540,338	806.451,768	18,522	18,055	66	66	72.409	2.472,492	22.530,918	9,113	8,646
17	17	98.670	41.343,890	762.911,430	18,453	17,986	67	67	70.380	2.283,342	20.058,426	8,785	8,318
18	18	98.599	39.253,057	721.567,540	18,382	17,916	68	68	68.173	2.101,396	17.775,084	8,459	7,992
19	19	98.496	37.256,060	682.314,483	18,314	17,847	69	69	65.800	1.927,081	15.673,688	8,133	7,667
20	20	98.389	35.359,368	645.058,423	18,243	17,776	70	70	63.288	1.761,048	13.746,606	7,806	7,339
21	21	98.283	33.559,454	609.699,056	18,168	17,701	71	71	60.609	1.602,384	11.985,559	7,480	7,013
22	22	98.182	31.852,670	576.139,602	18,088	17,621	72	72	57.749	1.450,607	10.383,175	7,158	6,691
23	23	98.081	30.232,815	544.286,932	18,003	17,536	73	73	54.711	1.305,753	8.932,568	6,841	6,374
24	24	97.983	28.695,984	514.054,117	17,914	17,447	74	74	51.518	1.168,210	7.626,815	6,529	6,062
25	25	97.886	27.237,409	485.358,133	17,820	17,353	75	75	48.208	1.038,623	6.458,605	6,218	5,752
26	26	97.790	25.853,481	458.120,724	17,720	17,253	76	76	44.787	916,787	5.419,982	5,912	5,445
27	27	97.693	24.539,438	432.267,243	17,615	17,148	77	77	41.321	803,645	4.503,195	5,603	5,137
28	28	97.594	23.291,916	407.727,805	17,505	17,038	78	78	37.788	698,283	3.699,550	5,298	4,831
29	29	97.494	22.107,257	384.435,889	17,390	16,923	79	79	34.179	600,082	3.001,267	5,001	4,535
30	30	97.396	20.983,602	362.328,632	17,267	16,800	80	80	30.561	509,795	2.401,184	4,710	4,243
31	31	97.293	19.915,826	341.345,030	17,139	16,673	81	81	26.911	426,526	1.891,390	4,434	3,968
32	32	97.182	18.900,704	321.429,204	17,006	16,539	82	82	23.325	351,242	1.464,864	4,171	3,704
33	33	97.068	17.936,821	302.528,500	16,866	16,400	83	83	19.770	282,855	1.113,622	3,937	3,470
34	34	96.944	17.020,357	284.591,680	16,721	16,254	84	84	16.483	224,067	830,767	3,708	3,241
35	35	96.806	16.148,341	267.571,323	16,570	16,103	85	85	13.487	174,194	606,700	3,483	3,016
36	36	96.655	15.318,939	251.422,981	16,413	15,946	86	86	10.885	133,572	432,506	3,238	2,771
37	37	96.491	14.530,161	236.104,042	16,249	15,782	87	87	8.491	98,999	298,934	3,020	2,553
38	38	96.316	13.780,244	221.573,882	16,079	15,612	88	88	6.365	70,513	199,935	2,835	2,369
39	39	96.116	13.065,681	207.793,638	15,904	15,437	89	89	4.613	48,554	129,422	2,666	2,199
40	40	95.891	12.384,896	194.727,957	15,723	15,256	90	90	3.223	32,229	80,868	2,509	2,042
41	41	95.642	11.736,637	182.343,061	15,536	15,069	91	91	2.173	20,646	48,639	2,356	1,889
42	42	95.366	11.119,014	170.606,423	15,344	14,877	92	92	1.390	12,550	27,993	2,231	1,764
43	43	95.049	10.529,228	159.487,409	15,147	14,680	93	93	851	7,296	15,443	2,116	1,650
44	44	94.691	9.966,299	148.958,181	14,946	14,479	94	94	497	4,047	8,146	2,013	1,546
45	45	94.305	9.430,617	138.991,882	14,738	14,272	95	95	276	2,137	4,099	1,918	1,452
46	46	93.866	8.918,468	129.561,265	14,527	14,061	96	96	146	1,071	1,962	1,833	1,366
47	47	93.379	8.429,676	120.642,797	14,312	13,845	97	97	73	0,508	0,892	1,755	1,288
48	48	92.848	7.963,658	112.213,121	14,091	13,624	98	98	34	0,228	0,384	1,684	1,217
49	49	92.273	7.519,556	104.249,463	13,864	13,397	99	99	15	0,096	0,156	1,620	1,153
							100	100	6	0,038	0,060	1,561	1,094

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -1 Jahr

Zinsfuß 5,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	1	99.620	99.620,306	1.914.744,760	19,220	18,754	50	51	91.406	7.077,360	95.871,199	13,546	13,079
1	2	99.130	94.185,551	1.815.124,453	19,272	18,805	51	52	90.701	6.672,429	88.793,839	13,308	12,841
2	3	99.071	89.433,622	1.720.938,902	19,243	18,776	52	53	89.958	6.287,689	82.121,411	13,061	12,594
3	4	99.034	84.940,873	1.631.505,280	19,208	18,741	53	54	89.148	5.920,261	75.833,722	12,809	12,342
4	5	99.003	80.678,773	1.546.564,407	19,169	18,703	54	55	88.280	5.570,153	69.913,460	12,551	12,085
5	6	98.977	76.634,118	1.465.885,634	19,128	18,662	55	56	87.348	5.236,467	64.343,307	12,288	11,821
6	7	98.954	72.794,834	1.389.251,516	19,084	18,618	56	57	86.346	4.918,199	59.106,840	12,018	11,551
7	8	98.934	69.149,654	1.316.456,682	19,038	18,571	57	58	85.288	4.615,586	54.188,641	11,740	11,274
8	9	98.912	65.685,965	1.247.307,028	18,989	18,522	58	59	84.143	4.326,474	49.573,055	11,458	10,991
9	10	98.894	62.398,015	1.181.621,063	18,937	18,470	59	60	82.917	4.050,791	45.246,581	11,170	10,703
10	11	98.876	59.274,992	1.119.223,048	18,882	18,415	60	61	81.594	3.787,316	41.195,790	10,877	10,411
11	12	98.858	56.307,710	1.059.948,055	18,824	18,357	61	62	80.221	3.537,866	37.408,475	10,574	10,107
12	13	98.835	53.486,739	1.003.640,346	18,764	18,297	62	63	78.759	3.300,120	33.870,608	10,263	9,797
13	14	98.813	50.807,195	950.153,606	18,701	18,234	63	64	77.170	3.072,231	30.570,488	9,951	9,484
14	15	98.788	48.260,986	899.346,411	18,635	18,168	64	65	75.498	2.855,765	27.498,257	9,629	9,162
15	16	98.752	45.837,018	851.085,425	18,568	18,101	65	66	73.700	2.648,684	24.642,492	9,304	8,837
16	17	98.708	43.531,117	805.248,407	18,498	18,031	66	67	71.753	2.450,099	21.993,808	8,977	8,510
17	18	98.649	41.334,793	761.717,290	18,428	17,961	67	68	69.665	2.260,132	19.543,708	8,647	8,180
18	19	98.570	39.241,768	720.382,497	18,358	17,891	68	69	67.393	2.077,362	17.283,576	8,320	7,853
19	20	98.468	37.245,732	681.140,729	18,288	17,821	69	70	64.960	1.902,495	15.206,215	7,993	7,526
20	21	98.358	35.348,199	643.894,996	18,216	17,749	70	71	62.388	1.736,017	13.303,719	7,663	7,197
21	22	98.259	33.551,243	608.546,797	18,138	17,671	71	72	59.626	1.576,405	11.567,703	7,338	6,871
22	23	98.155	31.844,047	574.995,555	18,057	17,590	72	73	56.707	1.424,453	9.991,297	7,014	6,547
23	24	98.056	30.224,927	543.151,508	17,970	17,504	73	74	53.596	1.279,152	8.566,844	6,697	6,230
24	25	97.957	28.688,188	512.926,581	17,879	17,413	74	75	50.345	1.141,619	7.287,692	6,384	5,917
25	26	97.861	27.230,707	484.238,393	17,783	17,316	75	76	46.958	1.011,694	6.146,072	6,075	5,608
26	27	97.762	25.846,243	457.007,686	17,682	17,215	76	77	43.490	890,247	5.134,378	5,767	5,301
27	28	97.664	24.532,286	431.161,444	17,575	17,108	77	78	39.976	777,501	4.244,131	5,459	4,992
28	29	97.565	23.285,003	406.629,157	17,463	16,996	78	79	36.388	672,403	3.466,630	5,156	4,689
29	30	97.465	22.100,786	383.344,154	17,345	16,878	79	80	32.741	574,839	2.794,226	4,861	4,394
30	31	97.365	20.976,732	361.243,369	17,221	16,754	80	81	29.072	484,960	2.219,387	4,576	4,110
31	32	97.259	19.908,712	340.266,637	17,091	16,625	81	82	25.411	402,750	1.734,427	4,306	3,840
32	33	97.147	18.893,983	320.357,925	16,956	16,489	82	83	21.818	328,543	1.331,677	4,053	3,586
33	34	97.029	17.929,654	301.463,942	16,814	16,347	83	84	18.353	262,586	1.003,134	3,820	3,353
34	35	96.898	17.012,377	283.534,288	16,666	16,200	84	85	15.158	206,060	740,548	3,594	3,127
35	36	96.756	16.140,074	266.521,911	16,513	16,046	85	86	12.316	159,069	534,487	3,360	2,893
36	37	96.600	15.310,277	250.381,837	16,354	15,887	86	87	9.787	120,106	375,418	3,126	2,659
37	38	96.432	14.521,250	235.071,560	16,188	15,721	87	88	7.490	87,329	255,312	2,924	2,457
38	39	96.248	13.770,604	220.550,310	16,016	15,549	88	89	5.528	61,238	167,983	2,743	2,276
39	40	96.039	13.055,225	206.779,705	15,839	15,372	89	90	3.929	41,357	106,744	2,581	2,114
40	41	95.807	12.374,122	193.724,480	15,656	15,189	90	91	2.696	26,961	65,387	2,425	1,958
41	42	95.548	11.725,036	181.350,359	15,467	15,000	91	92	1.766	16,777	38,426	2,290	1,824
42	43	95.259	11.106,509	169.625,323	15,273	14,806	92	93	1.105	9,972	21,649	2,171	1,704
43	44	94.926	10.515,561	158.518,814	15,075	14,608	93	94	660	5,662	11,676	2,062	1,595
44	45	94.559	9.952,426	148.003,253	14,871	14,404	94	95	376	3,063	6,014	1,963	1,497
45	46	94.155	9.415,660	138.050,827	14,662	14,195	95	96	203	1,575	2,951	1,874	1,407
46	47	93.697	8.902,451	128.635,167	14,449	13,983	96	97	104	0,768	1,376	1,792	1,325
47	48	93.198	8.413,283	119.732,716	14,231	13,765	97	98	51	0,354	0,608	1,718	1,251
48	49	92.651	7.946,775	111.319,433	14,008	13,541	98	99	23	0,154	0,254	1,650	1,183
49	50	92.051	7.501,459	103.372,658	13,780	13,314	99	100	10	0,063	0,100	1,589	1,122
							100	101	4	0,024	0,037	1,533	1,066

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -2 Jahre

Zinsfuß 5,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	2	99.585	99.584,628	1.913.286,171	19,213	18,746	50	52	91.153	7.057,704	94.945,673	13,453	12,986
1	3	99.111	94.166,930	1.813.701,543	19,260	18,794	51	53	90.427	6.652,256	87.887,969	13,212	12,745
2	4	99.054	89.418,271	1.719.534,613	19,230	18,763	52	54	89.674	6.267,835	81.235,712	12,961	12,494
3	5	99.021	84.929,902	1.630.116,342	19,194	18,727	53	55	88.838	5.899,669	74.967,877	12,707	12,240
4	6	98.990	80.668,227	1.545.186,440	19,155	18,688	54	56	87.945	5.549,060	69.068,208	12,447	11,980
5	7	98.968	76.627,056	1.464.518,213	19,112	18,645	55	57	86.998	5.215,444	63.519,148	12,179	11,712
6	8	98.945	72.788,494	1.387.891,157	19,067	18,601	56	58	85.961	4.896,249	58.303,704	11,908	11,441
7	9	98.924	69.143,016	1.315.102,663	19,020	18,553	57	59	84.877	4.593,359	53.407,455	11,627	11,160
8	10	98.906	65.681,721	1.245.959,647	18,970	18,503	58	60	83.715	4.304,479	48.814,096	11,340	10,874
9	11	98.886	62.392,768	1.180.277,926	18,917	18,450	59	61	82.461	4.028,494	44.509,617	11,049	10,582
10	12	98.867	59.269,434	1.117.885,157	18,861	18,394	60	62	81.135	3.766,003	40.481,123	10,749	10,282
11	13	98.849	56.302,927	1.058.615,724	18,802	18,335	61	63	79.716	3.515,603	36.715,120	10,443	9,977
12	14	98.826	53.481,557	1.002.312,796	18,741	18,274	62	64	78.223	3.277,673	33.199,517	10,129	9,662
13	15	98.801	50.801,275	948.831,239	18,677	18,211	63	65	76.605	3.049,765	29.921,844	9,811	9,344
14	16	98.771	48.252,363	898.029,964	18,611	18,144	64	66	74.882	2.832,441	26.872,079	9,487	9,020
15	17	98.732	45.827,311	849.777,601	18,543	18,076	65	67	73.032	2.624,696	24.039,638	9,159	8,692
16	18	98.687	43.521,539	803.950,290	18,472	18,006	66	68	71.024	2.425,194	21.414,942	8,830	8,363
17	19	98.620	41.322,906	760.428,751	18,402	17,935	67	69	68.868	2.234,282	18.989,748	8,499	8,032
18	20	98.543	39.230,890	719.105,845	18,330	17,863	68	70	66.533	2.050,858	16.755,466	8,170	7,703
19	21	98.437	37.233,968	679.874,955	18,260	17,793	69	71	64.037	1.875,454	14.704,608	7,841	7,374
20	22	98.334	35.339,550	642.640,987	18,185	17,718	70	72	61.377	1.707,872	12.829,154	7,512	7,045
21	23	98.233	33.542,159	607.301,437	18,106	17,639	71	73	58.551	1.547,984	11.121,282	7,184	6,718
22	24	98.130	31.835,738	573.759,278	18,022	17,556	72	74	55.552	1.395,434	9.573,297	6,860	6,394
23	25	98.029	30.216,715	541.923,539	17,935	17,468	73	75	52.376	1.250,036	8.177,863	6,542	6,075
24	26	97.932	28.681,129	511.706,824	17,841	17,374	74	76	49.040	1.112,020	6.927,827	6,230	5,763
25	27	97.834	27.223,083	483.025,695	17,743	17,276	75	77	45.598	982,407	5.815,807	5,920	5,453
26	28	97.734	25.838,710	455.802,612	17,640	17,174	76	78	42.075	861,285	4.833,400	5,612	5,145
27	29	97.635	24.525,005	429.963,902	17,532	17,065	77	79	38.495	748,685	3.972,114	5,305	4,839
28	30	97.537	23.278,187	405.438,897	17,417	16,950	78	80	34.857	644,118	3.223,429	5,004	4,538
29	31	97.433	22.093,549	382.160,710	17,297	16,831	79	81	31.146	546,836	2.579,311	4,717	4,250
30	32	97.330	20.969,239	360.067,160	17,171	16,704	80	82	27.451	457,927	2.032,475	4,438	3,972
31	33	97.224	19.901,633	339.097,922	17,039	16,572	81	83	23.769	376,722	1.574,548	4,180	3,713
32	34	97.109	18.886,433	319.196,289	16,901	16,434	82	84	20.254	305,001	1.197,826	3,927	3,460
33	35	96.983	17.921,248	300.309,855	16,757	16,290	83	85	16.878	241,484	892,825	3,697	3,230
34	36	96.849	17.003,668	282.388,608	16,608	16,141	84	86	13.842	188,169	651,341	3,461	2,995
35	37	96.702	16.130,947	265.384,940	16,452	15,985	85	87	11.074	143,033	463,172	3,238	2,771
36	38	96.541	15.300,888	249.253,992	16,290	15,823	86	88	8.634	105,948	320,139	3,022	2,555
37	39	96.365	14.511,093	233.953,104	16,122	15,656	87	89	6.505	75,843	214,191	2,824	2,357
38	40	96.171	13.759,584	219.442,011	15,948	15,482	88	90	4.709	52,161	138,348	2,652	2,186
39	41	95.955	13.043,867	205.682,427	15,769	15,302	89	91	3.287	34,597	86,186	2,491	2,024
40	42	95.713	12.361,890	192.638,560	15,583	15,116	90	92	2.191	21,909	51,589	2,355	1,888
41	43	95.440	11.711,849	180.276,670	15,393	14,926	91	93	1.403	13,331	29,681	2,226	1,760
42	44	95.135	11.092,092	168.564,821	15,197	14,730	92	94	857	7,739	16,349	2,113	1,646
43	45	94.793	10.500,923	157.472,729	14,996	14,529	93	95	500	4,285	8,611	2,009	1,543
44	46	94.409	9.936,641	146.971,805	14,791	14,324	94	96	277	2,258	4,325	1,915	1,449
45	47	93.986	9.398,750	137.035,164	14,580	14,113	95	97	146	1,130	2,067	1,830	1,363
46	48	93.515	8.885,139	127.636,414	14,365	13,898	96	98	73	0,535	0,938	1,752	1,285
47	49	93.000	8.395,447	118.751,275	14,145	13,678	97	99	34	0,239	0,402	1,682	1,215
48	50	92.428	7.927,650	110.355,828	13,920	13,454	98	100	15	0,101	0,163	1,617	1,151
49	51	91.818	7.482,505	102.428,178	13,689	13,222	99	101	6	0,040	0,062	1,559	1,092
							100	102	2	0,015	0,022	1,506	1,039

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -3 Jahre

Zinsfuß 5,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	3	99.565	99.564,939	1.911.745,376	19,201	18,734	50	53	90.877	7.036,367	93.949,918	13,352	12,885
1	4	99.094	94.150,766	1.812.180,437	19,248	18,781	51	54	90.141	6.631,252	86.913,551	13,107	12,640
2	5	99.041	89.406,722	1.718.029,671	19,216	18,749	52	55	89.362	6.246,034	80.282,299	12,853	12,387
3	6	99.008	84.918,800	1.628.622,948	19,179	18,712	53	56	88.502	5.877,328	74.036,265	12,597	12,130
4	7	98.981	80.660,793	1.543.704,148	19,138	18,671	54	57	87.592	5.526,782	68.158,937	12,332	11,866
5	8	98.959	76.620,383	1.463.043,355	19,095	18,628	55	58	86.609	5.192,167	62.632,155	12,063	11,596
6	9	98.936	72.781,507	1.386.422,972	19,049	18,582	56	59	85.547	4.872,670	57.439,988	11,788	11,321
7	10	98.918	69.138,548	1.313.641,465	19,000	18,533	57	60	84.446	4.570,008	52.567,318	11,503	11,036
8	11	98.897	65.676,198	1.244.502,917	18,949	18,482	58	61	83.254	4.280,786	47.997,310	11,212	10,745
9	12	98.876	62.386,917	1.178.826,719	18,895	18,429	59	62	81.997	4.005,824	43.716,524	10,913	10,446
10	13	98.859	59.264,400	1.116.439,802	18,838	18,371	60	63	80.624	3.742,304	39.710,700	10,611	10,145
11	14	98.840	56.297,472	1.057.175,402	18,778	18,312	61	64	79.174	3.491,690	35.968,395	10,301	9,834
12	15	98.814	53.475,325	1.000.877,930	18,717	18,250	62	65	77.651	3.253,704	32.476,705	9,981	9,515
13	16	98.783	50.792,198	947.402,604	18,653	18,186	63	66	75.980	3.024,856	29.223,001	9,661	9,194
14	17	98.750	48.242,145	896.610,406	18,586	18,119	64	67	74.204	2.806,789	26.198,145	9,334	8,867
15	18	98.710	45.817,228	848.368,262	18,516	18,050	65	68	72.290	2.598,016	23.391,356	9,004	8,537
16	19	98.658	43.509,023	802.551,034	18,446	17,979	66	69	70.212	2.397,456	20.793,340	8,673	8,206
17	20	98.593	41.311,451	759.042,011	18,374	17,907	67	70	67.990	2.205,776	18.395,884	8,340	7,873
18	21	98.512	39.218,499	717.730,560	18,301	17,834	68	71	65.588	2.021,708	16.190,108	8,008	7,541
19	22	98.413	37.224,858	678.512,061	18,227	17,761	69	72	62.999	1.845,049	14.168,400	7,679	7,212
20	23	98.307	35.329,983	641.287,203	18,151	17,685	70	73	60.270	1.677,081	12.323,351	7,348	6,881
21	24	98.207	33.533,408	605.957,221	18,070	17,603	71	74	57.358	1.516,448	10.646,270	7,021	6,554
22	25	98.103	31.827,089	572.423,813	17,985	17,519	72	75	54.288	1.363,671	9.129,822	6,695	6,228
23	26	98.005	30.209,280	540.596,724	17,895	17,428	73	76	51.018	1.217,626	7.766,151	6,378	5,911
24	27	97.905	28.673,100	510.387,444	17,800	17,333	74	77	47.620	1.079,829	6.548,525	6,064	5,598
25	28	97.806	27.215,149	481.714,344	17,700	17,233	75	78	44.115	950,447	5.468,696	5,754	5,287
26	29	97.705	25.831,041	454.499,195	17,595	17,128	76	79	40.516	829,364	4.518,249	5,448	4,981
27	30	97.607	24.517,826	428.668,154	17,484	17,017	77	80	36.875	717,191	3.688,884	5,144	4,677
28	31	97.505	23.270,566	404.150,328	17,367	16,901	78	81	33.159	612,740	2.971,694	4,850	4,383
29	32	97.398	22.085,657	380.879,763	17,246	16,779	79	82	29.410	516,353	2.358,953	4,568	4,102
30	33	97.295	20.961,782	358.794,105	17,117	16,650	80	83	25.677	428,334	1.842,600	4,302	3,835
31	34	97.185	19.893,681	337.832,323	16,982	16,515	81	84	22.066	349,727	1.414,266	4,044	3,577
32	35	97.063	18.877,579	317.938,642	16,842	16,375	82	85	18.626	280,490	1.064,539	3,795	3,328
33	36	96.934	17.912,073	299.061,063	16,696	16,229	83	86	15.413	220,518	784,049	3,555	3,089
34	37	96.794	16.994,053	281.148,990	16,544	16,077	84	87	12.447	169,199	563,531	3,331	2,864
35	38	96.642	16.121,056	264.154,937	16,386	15,919	85	88	9.769	126,173	394,332	3,125	2,659
36	39	96.474	15.290,185	248.033,881	16,222	15,755	86	89	7.498	92,013	268,160	2,914	2,448
37	40	96.288	14.499,480	232.743,696	16,052	15,585	87	90	5.541	64,601	176,146	2,727	2,260
38	41	96.088	13.747,614	218.244,216	15,875	15,408	88	91	3.939	43,635	111,545	2,556	2,090
39	42	95.860	13.030,973	204.496,602	15,693	15,226	89	92	2.671	28,113	67,910	2,416	1,949
40	43	95.605	12.347,987	191.465,629	15,506	15,039	90	93	1.741	17,409	39,797	2,286	1,819
41	44	95.316	11.696,647	179.117,642	15,314	14,847	91	94	1.089	10,345	22,388	2,164	1,697
42	45	95.003	11.076,652	167.420,995	15,115	14,648	92	95	649	5,857	12,043	2,056	1,589
43	46	94.643	10.484,269	156.344,343	14,912	14,445	93	96	368	3,159	6,186	1,958	1,491
44	47	94.239	9.918,795	145.860,075	14,705	14,239	94	97	199	1,620	3,027	1,869	1,402
45	48	93.804	9.380,473	135.941,280	14,492	14,025	95	98	102	0,787	1,407	1,788	1,321
46	49	93.317	8.866,303	126.560,807	14,274	13,808	96	99	49	0,362	0,620	1,714	1,247
47	50	92.776	8.375,242	117.694,504	14,053	13,586	97	100	22	0,157	0,258	1,647	1,180
48	51	92.195	7.907,619	109.319,262	13,825	13,358	98	101	10	0,064	0,101	1,586	1,119
49	52	91.563	7.461,725	101.411,643	13,591	13,124	99	102	4	0,024	0,037	1,530	1,064
							100	103	1	0,009	0,013	1,480	1,013

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -4 Jahre

Zinsfuß 5,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	4	99.548	99.547,849	1.910.099,585	19,188	18,721	50	54	90.590	7.014,150	92.880,426	13,242	12,775
1	5	99.081	94.138,606	1.810.551,736	19,233	18,766	51	55	89.828	6.608,187	85.866,276	12,994	12,527
2	6	99.028	89.395,035	1.716.413,130	19,200	18,734	52	56	89.024	6.222,381	79.258,090	12,738	12,271
3	7	98.999	84.910,975	1.627.018,095	19,161	18,695	53	57	88.146	5.853,732	73.035,709	12,477	12,010
4	8	98.972	80.653,769	1.542.107,120	19,120	18,653	54	58	87.201	5.502,116	67.181,976	12,210	11,743
5	9	98.949	76.613,028	1.461.453,351	19,076	18,609	55	59	86.192	5.167,164	61.679,861	11,937	11,470
6	10	98.929	72.776,804	1.384.840,323	19,029	18,562	56	60	85.112	4.847,898	56.512,697	11,657	11,190
7	11	98.910	69.132,734	1.312.063,519	18,979	18,512	57	61	83.981	4.544,853	51.664,799	11,368	10,901
8	12	98.888	65.670,039	1.242.930,784	18,927	18,460	58	62	82.786	4.256,697	47.119,946	11,070	10,603
9	13	98.868	62.381,619	1.177.260,746	18,872	18,405	59	63	81.481	3.980,616	42.863,249	10,768	10,301
10	14	98.849	59.258,658	1.114.879,127	18,814	18,347	60	64	80.076	3.716,850	38.882,633	10,461	9,994
11	15	98.828	56.290,912	1.055.620,469	18,753	18,286	61	65	78.595	3.466,156	35.165,783	10,145	9,679
12	16	98.796	53.465,771	999.329,557	18,691	18,224	62	66	77.017	3.227,130	31.699,627	9,823	9,356
13	17	98.763	50.781,442	945.863,786	18,626	18,159	63	67	75.292	2.997,461	28.472,497	9,499	9,032
14	18	98.728	48.231,531	895.082,345	18,558	18,091	64	68	73.449	2.778,258	25.475,036	9,169	8,703
15	19	98.681	45.804,051	846.850,814	18,489	18,022	65	69	71.463	2.568,301	22.696,778	8,837	8,370
16	20	98.631	43.496,962	801.046,763	18,416	17,949	66	70	69.316	2.366,869	20.128,477	8,504	8,037
17	21	98.562	41.298,402	757.549,801	18,343	17,877	67	71	67.023	2.174,424	17.761,608	8,168	7,702
18	22	98.488	39.208,903	716.251,399	18,268	17,801	68	72	64.524	1.988,932	15.587,184	7,837	7,370
19	23	98.386	37.214,780	677.042,496	18,193	17,726	69	73	61.863	1.811,784	13.598,252	7,505	7,039
20	24	98.282	35.320,765	639.827,716	18,115	17,648	70	74	59.042	1.642,915	11.786,468	7,174	6,707
21	25	98.180	33.524,297	604.506,951	18,032	17,565	71	75	56.053	1.481,931	10.143,553	6,845	6,378
22	26	98.079	31.819,258	570.982,654	17,945	17,478	72	76	52.880	1.328,315	8.661,622	6,521	6,054
23	27	97.978	30.200,823	539.163,396	17,853	17,386	73	77	49.542	1.182,378	7.333,307	6,202	5,735
24	28	97.877	28.664,743	508.962,574	17,756	17,289	74	78	46.071	1.044,699	6.150,930	5,888	5,421
25	29	97.776	27.207,071	480.297,830	17,653	17,187	75	79	42.480	915,222	5.106,230	5,579	5,112
26	30	97.676	25.823,480	453.090,759	17,546	17,079	76	80	38.812	794,476	4.191,009	5,275	4,808
27	31	97.575	24.509,798	427.267,279	17,433	16,966	77	81	35.079	682,253	3.396,532	4,978	4,512
28	32	97.470	23.262,253	402.757,481	17,314	16,847	78	82	31.311	578,584	2.714,279	4,691	4,224
29	33	97.364	22.077,804	379.495,228	17,189	16,722	79	83	27.509	482,985	2.135,696	4,422	3,955
30	34	97.256	20.953,407	357.417,423	17,058	16,591	80	84	23.837	397,640	1.652,711	4,156	3,690
31	35	97.140	19.884,354	336.464,017	16,921	16,454	81	85	20.293	321,623	1.255,071	3,902	3,436
32	36	97.013	18.867,914	316.579,663	16,779	16,312	82	86	17.009	256,137	933,448	3,644	3,178
33	37	96.879	17.901,944	297.711,748	16,630	16,163	83	87	13.859	198,286	677,312	3,416	2,949
34	38	96.735	16.983,632	279.809,804	16,475	16,008	84	88	10.980	149,254	479,025	3,209	2,743
35	39	96.575	16.109,779	262.826,172	16,315	15,848	85	89	8.484	109,577	329,771	3,009	2,543
36	40	96.396	15.277,949	246.716,393	16,149	15,682	86	90	6.387	78,375	220,194	2,810	2,343
37	41	96.204	14.486,866	231.438,444	15,976	15,509	87	91	4.635	54,041	141,819	2,624	2,157
38	42	95.993	13.734,024	216.951,578	15,797	15,330	88	92	3.201	35,458	87,778	2,476	2,009
39	43	95.753	13.016,318	203.217,554	15,613	15,146	89	93	2.122	22,339	52,320	2,342	1,875
40	44	95.481	12.331,959	190.201,236	15,423	14,957	90	94	1.351	13,509	29,981	2,219	1,752
41	45	95.184	11.680,365	177.869,277	15,228	14,761	91	95	824	7,830	16,471	2,104	1,637
42	46	94.852	11.059,084	166.188,912	15,027	14,561	92	96	478	4,318	8,641	2,001	1,535
43	47	94.473	10.465,439	155.129,828	14,823	14,356	93	97	264	2,266	4,323	1,908	1,441
44	48	94.056	9.899,506	144.664,389	14,613	14,146	94	98	138	1,128	2,058	1,824	1,357
45	49	93.605	9.360,587	134.764,882	14,397	13,930	95	99	69	0,532	0,929	1,747	1,280
46	50	93.092	8.844,964	125.404,295	14,178	13,711	96	100	32	0,237	0,397	1,677	1,210
47	51	92.542	8.354,081	116.559,331	13,952	13,486	97	101	14	0,099	0,160	1,613	1,146
48	52	91.939	7.885,658	108.205,251	13,722	13,255	98	102	6	0,039	0,061	1,555	1,088
49	53	91.287	7.439,166	100.319,592	13,485	13,019	99	103	2	0,014	0,022	1,502	1,036
							100	104	1	0,005	0,007	1,455	0,988

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -5 Jahre

Zinsfuß 5,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	5	99.535	99.534,992	1.908.339,053	19,173	18,706	50	55	90.275	6.989,753	91.732,806	13,124	12,657
1	6	99.068	94.126,300	1.808.804,061	19,217	18,750	51	56	89.487	6.583,162	84.743,053	12,873	12,406
2	7	99.019	89.386,797	1.714.677,761	19,183	18,716	52	57	88.666	6.197,400	78.159,891	12,612	12,145
3	8	98.990	84.903,580	1.625.290,963	19,143	18,676	53	58	87.753	5.827,607	71.962,490	12,349	11,882
4	9	98.963	80.646,027	1.540.387,383	19,101	18,634	54	59	86.781	5.475,619	66.134,884	12,078	11,611
5	10	98.943	76.608,077	1.459.741,357	19,055	18,588	55	60	85.754	5.140,895	60.659,264	11,799	11,333
6	11	98.921	72.770,684	1.383.133,279	19,007	18,540	56	61	84.644	4.821,214	55.518,370	11,515	11,049
7	12	98.900	69.126,251	1.310.362,595	18,956	18,489	57	62	83.508	4.519,278	50.697,155	11,218	10,751
8	13	98.880	65.664,461	1.241.236,344	18,903	18,436	58	63	82.265	4.229,910	46.177,878	10,917	10,450
9	14	98.858	62.375,575	1.175.571,882	18,847	18,380	59	64	80.926	3.953,541	41.947,968	10,610	10,143
10	15	98.838	59.251,753	1.113.196,308	18,788	18,321	60	65	79.490	3.689,669	37.994,427	10,298	9,831
11	16	98.811	56.280,855	1.053.944,555	18,727	18,260	61	66	77.953	3.437,847	34.304,758	9,979	9,512
12	17	98.775	53.454,448	997.663,701	18,664	18,197	62	67	76.320	3.197,903	30.866,911	9,652	9,185
13	18	98.741	50.770,269	944.209,253	18,598	18,131	63	68	74.526	2.966,992	27.669,008	9,326	8,859
14	19	98.700	48.217,660	893.438,984	18,529	18,062	64	69	72.609	2.746,481	24.702,016	8,994	8,527
15	20	98.654	45.791,354	845.221,324	18,458	17,991	65	70	70.552	2.535,534	21.955,535	8,659	8,192
16	21	98.600	43.483,223	799.429,970	18,385	17,918	66	71	68.331	2.333,227	19.420,001	8,323	7,856
17	22	98.538	41.288,298	755.946,747	18,309	17,842	67	72	65.937	2.139,172	17.086,774	7,988	7,521
18	23	98.461	39.198,288	714.658,449	18,232	17,765	68	73	63.361	1.953,073	14.947,602	7,653	7,187
19	24	98.361	37.205,070	675.460,162	18,155	17,688	69	74	60.603	1.774,874	12.994,529	7,321	6,855
20	25	98.255	35.311,169	638.255,092	18,075	17,608	70	75	57.698	1.605,519	11.219,655	6,988	6,521
21	26	98.156	33.516,048	602.943,923	17,990	17,523	71	76	54.600	1.443,508	9.614,136	6,660	6,193
22	27	98.052	31.810,350	569.427,875	17,901	17,434	72	77	51.349	1.289,862	8.170,627	6,334	5,868
23	28	97.949	30.192,021	537.617,525	17,807	17,340	73	78	47.930	1.143,912	6.880,765	6,015	5,548
24	29	97.847	28.656,235	507.425,504	17,707	17,241	74	79	44.363	1.005,981	5.736,853	5,703	5,236
25	30	97.748	27.199,108	478.769,269	17,602	17,136	75	80	40.693	876,722	4.730,872	5,396	4,929
26	31	97.644	25.815,025	451.570,161	17,493	17,026	76	81	36.921	755,774	3.854,151	5,100	4,633
27	32	97.540	24.501,043	425.755,136	17,377	16,910	77	82	33.124	644,222	3.098,377	4,809	4,343
28	33	97.435	23.253,982	401.254,093	17,255	16,788	78	83	29.287	541,193	2.454,155	4,535	4,068
29	34	97.325	22.068,983	378.000,112	17,128	16,661	79	84	25.538	448,375	1.912,962	4,266	3,800
30	35	97.211	20.943,583	355.931,129	16,995	16,528	80	85	21.922	365,685	1.464,587	4,005	3,538
31	36	97.090	19.874,174	334.987,546	16,855	16,389	81	86	18.531	293,698	1.098,902	3,742	3,275
32	37	96.958	18.857,245	315.113,372	16,710	16,244	82	87	15.294	230,314	805,204	3,496	3,029
33	38	96.820	17.890,967	296.256,126	16,559	16,092	83	88	12.225	174,913	574,889	3,287	2,820
34	39	96.667	16.971,752	278.365,159	16,402	15,935	84	89	9.535	129,623	399,977	3,086	2,619
35	40	96.497	16.096,887	261.393,408	16,239	15,772	85	90	7.226	93,335	270,353	2,897	2,430
36	41	96.313	15.264,658	245.296,521	16,070	15,603	86	91	5.343	65,563	177,018	2,700	2,233
37	42	96.109	14.472,546	230.031,864	15,894	15,428	87	92	3.766	43,914	111,455	2,538	2,071
38	43	95.885	13.718,578	215.559,318	15,713	15,246	88	93	2.543	28,175	67,541	2,397	1,930
39	44	95.628	12.999,422	201.840,740	15,527	15,060	89	94	1.647	17,335	39,366	2,271	1,804
40	45	95.348	12.314,793	188.841,317	15,335	14,868	90	95	1.022	10,225	22,030	2,155	1,688
41	46	95.033	11.661,840	176.526,525	15,137	14,670	91	96	608	5,772	11,806	2,045	1,578
42	47	94.682	11.039,222	164.864,685	14,934	14,468	92	97	343	3,097	6,033	1,948	1,481
43	48	94.289	10.445,088	153.825,462	14,727	14,260	93	98	184	1,579	2,936	1,860	1,393
44	49	93.857	9.878,520	143.380,375	14,514	14,048	94	99	94	0,763	1,358	1,780	1,313
45	50	93.379	9.338,058	133.501,855	14,297	13,830	95	100	45	0,349	0,595	1,707	1,240
46	51	92.857	8.822,616	124.163,796	14,073	13,607	96	101	20	0,150	0,246	1,641	1,174
47	52	92.285	8.330,879	115.341,180	13,845	13,378	97	102	9	0,061	0,096	1,580	1,114
48	53	91.661	7.861,818	107.010,301	13,611	13,145	98	103	3	0,023	0,035	1,526	1,059
49	54	90.998	7.415,677	99.148,483	13,370	12,903	99	104	1	0,008	0,012	1,476	1,009
							100	105	0	0,003	0,004	1,430	0,963

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -6 Jahre

Zinsfuß 5,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	6	99.522	99.521,980	1.906.451,951	19,156	18,689	50	56	89.933	6.963,284	90.503,975	12,997	12,531
1	7	99.059	94.117,627	1.806.929,971	19,199	18,732	51	57	89.128	6.556,733	83.540,691	12,741	12,274
2	8	99.010	89.379,013	1.712.812,344	19,163	18,697	52	58	88.271	6.169,741	76.983,958	12,478	12,011
3	9	98.981	84.895,430	1.623.433,331	19,123	18,656	53	59	87.330	5.799,543	70.814,218	12,210	11,744
4	10	98.956	80.640,816	1.538.537,901	19,079	18,612	54	60	86.340	5.447,783	65.014,675	11,934	11,467
5	11	98.935	76.601,635	1.457.897,086	19,032	18,565	55	61	85.282	5.112,598	59.566,892	11,651	11,184
6	12	98.912	72.763,860	1.381.295,451	18,983	18,516	56	62	84.167	4.794,084	54.454,294	11,359	10,892
7	13	98.892	69.120,380	1.308.531,591	18,931	18,464	57	63	82.983	4.490,838	49.660,210	11,058	10,591
8	14	98.870	65.658,099	1.239.411,210	18,877	18,410	58	64	81.705	4.201,139	45.169,372	10,752	10,285
9	15	98.847	62.368,306	1.173.753,111	18,820	18,353	59	65	80.335	3.924,629	40.968,234	10,439	9,972
10	16	98.820	59.241,166	1.111.384,805	18,760	18,294	60	66	78.841	3.659,534	37.043,605	10,122	9,656
11	17	98.790	56.268,936	1.052.143,639	18,698	18,232	61	67	77.247	3.406,712	33.384,070	9,799	9,333
12	18	98.754	53.442,687	995.874,703	18,634	18,168	62	68	75.544	3.165,396	29.977,359	9,470	9,004
13	19	98.712	50.755,668	942.432,016	18,568	18,101	63	69	73.674	2.933,057	26.811,962	9,141	8,675
14	20	98.672	48.204,293	891.676,348	18,498	18,031	64	70	71.683	2.711,441	23.878,905	8,807	8,340
15	21	98.623	45.776,891	843.472,055	18,426	17,959	65	71	69.549	2.499,495	21.167,464	8,469	8,002
16	22	98.576	43.472,584	797.695,164	18,349	17,883	66	72	67.223	2.295,400	18.667,969	8,133	7,666
17	23	98.511	41.277,119	754.222,580	18,272	17,805	67	73	64.748	2.100,605	16.372,569	7,794	7,327
18	24	98.435	39.188,061	712.945,461	18,193	17,726	68	74	62.070	1.913,284	14.271,964	7,459	6,993
19	25	98.334	37.194,962	673.757,400	18,114	17,647	69	75	59.223	1.734,475	12.358,680	7,125	6,659
20	26	98.231	35.302,480	636.562,438	18,032	17,565	70	76	56.202	1.563,892	10.624,205	6,793	6,327
21	27	98.129	33.506,665	601.259,958	17,944	17,478	71	77	53.019	1.401,721	9.060,313	6,464	5,997
22	28	98.023	31.801,079	567.753,293	17,853	17,386	72	78	49.679	1.247,900	7.658,592	6,137	5,670
23	29	97.920	30.183,059	535.952,214	17,757	17,290	73	79	46.153	1.101,516	6.410,692	5,820	5,353
24	30	97.819	28.647,847	505.769,155	17,655	17,188	74	80	42.497	963,663	5.309,176	5,509	5,043
25	31	97.716	27.190,202	477.121,307	17,548	17,081	75	81	38.711	834,013	4.345,513	5,210	4,744
26	32	97.610	25.805,803	449.931,105	17,435	16,968	76	82	34.863	713,644	3.511,500	4,921	4,454
27	33	97.505	24.492,331	424.125,302	17,317	16,850	77	83	30.983	602,589	2.797,856	4,643	4,176
28	34	97.396	23.244,690	399.632,970	17,192	16,726	78	84	27.188	502,412	2.195,267	4,369	3,903
29	35	97.279	22.058,636	376.388,281	17,063	16,596	79	85	23.486	412,343	1.692,854	4,105	3,639
30	36	97.161	20.932,861	354.329,644	16,927	16,460	80	86	20.018	333,935	1.280,511	3,835	3,368
31	37	97.035	19.862,936	333.396,783	16,785	16,318	81	87	16.663	264,089	946,577	3,584	3,118
32	38	96.899	18.845,682	313.533,847	16,637	16,170	82	88	13.492	203,166	682,488	3,359	2,892
33	39	96.752	17.878,452	294.688,165	16,483	16,016	83	89	10.617	151,907	479,322	3,155	2,689
34	40	96.590	16.958,170	276.809,714	16,323	15,856	84	90	8.122	110,410	327,415	2,965	2,499
35	41	96.413	16.082,883	259.851,544	16,157	15,690	85	91	6.045	78,079	217,005	2,779	2,313
36	42	96.217	15.249,569	243.768,661	15,985	15,518	86	92	4.341	53,277	138,927	2,608	2,141
37	43	96.001	14.456,269	228.519,093	15,808	15,341	87	93	2.993	34,894	85,650	2,455	1,988
38	44	95.760	13.700,771	214.062,824	15,624	15,157	88	94	1.974	21,864	50,756	2,321	1,855
39	45	95.495	12.981,327	200.362,053	15,435	14,968	89	95	1.247	13,121	28,891	2,202	1,735
40	46	95.197	12.295,261	187.380,725	15,240	14,773	90	96	754	7,538	15,771	2,092	1,625
41	47	94.862	11.640,895	175.085,464	15,041	14,574	91	97	436	4,140	8,233	1,989	1,522
42	48	94.498	11.017,755	163.444,569	14,835	14,368	92	98	239	2,158	4,093	1,897	1,430
43	49	94.089	10.422,945	152.426,814	14,624	14,157	93	99	124	1,067	1,936	1,814	1,347
44	50	93.631	9.854,745	142.003,869	14,410	13,943	94	100	61	0,500	0,869	1,738	1,271
45	51	93.144	9.314,465	132.149,124	14,188	13,721	95	101	29	0,221	0,369	1,669	1,202
46	52	92.599	8.798,114	122.834,659	13,961	13,495	96	102	13	0,092	0,148	1,606	1,139
47	53	92.006	8.305,693	114.036,545	13,730	13,263	97	103	5	0,036	0,056	1,549	1,082
48	54	91.371	7.836,994	105.730,852	13,491	13,024	98	104	2	0,013	0,020	1,497	1,030
49	55	90.682	7.389,883	97.893,858	13,247	12,780	99	105	1	0,005	0,007	1,450	0,983
							100	106					

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -7 Jahre

Zinsfuß 5,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	7	99.513	99.512,810	1.904.430,646	19,138	18,671	50	57	89.572	6.935,328	89.190,765	12,860	12,394
1	8	99.050	94.109,430	1.804.917,836	19,179	18,712	51	58	88.730	6.527,469	82.255,437	12,601	12,135
2	9	99.001	89.370,433	1.710.808,406	19,143	18,676	52	59	87.846	6.140,029	75.727,968	12,333	11,867
3	10	98.974	84.889,944	1.621.437,973	19,100	18,634	53	60	86.886	5.770,059	69.587,938	12,060	11,593
4	11	98.948	80.634,034	1.536.548,028	19,056	18,589	54	61	85.865	5.417,797	63.817,879	11,779	11,313
5	12	98.925	76.594,452	1.455.913,994	19,008	18,541	55	62	84.802	5.083,828	58.400,082	11,487	11,021
6	13	98.903	72.757,680	1.379.319,542	18,958	18,491	56	63	83.638	4.763,915	53.316,255	11,192	10,725
7	14	98.882	69.113,683	1.306.561,862	18,905	18,438	57	64	82.418	4.460,292	48.552,340	10,885	10,419
8	15	98.859	65.650,448	1.237.448,179	18,849	18,382	58	65	81.108	4.170,416	44.092,047	10,573	10,106
9	16	98.829	62.357,163	1.171.797,730	18,792	18,325	59	66	79.679	3.892,575	39.921,631	10,256	9,789
10	17	98.799	59.228,620	1.109.440,568	18,731	18,265	60	67	78.127	3.626,391	36.029,056	9,935	9,468
11	18	98.768	56.256,556	1.050.211,947	18,668	18,201	61	68	76.462	3.372,082	32.402,665	9,609	9,142
12	19	98.725	53.427,317	993.955,392	18,604	18,137	62	69	74.680	3.129,192	29.030,582	9,277	8,811
13	20	98.685	50.741,598	940.528,074	18,536	18,069	63	70	72.734	2.895,636	25.901,390	8,945	8,478
14	21	98.641	48.189,068	889.786,476	18,464	17,998	64	71	70.664	2.672,902	23.005,754	8,607	8,140
15	22	98.599	45.765,690	841.597,409	18,389	17,922	65	72	68.421	2.458,973	20.332,852	8,269	7,802
16	23	98.549	43.460,814	795.831,718	18,311	17,845	66	73	66.011	2.254,016	17.873,879	7,930	7,463
17	24	98.485	41.266,350	752.370,904	18,232	17,765	67	74	63.429	2.057,810	15.619,863	7,591	7,124
18	25	98.409	39.177,414	711.104,554	18,151	17,684	68	75	60.657	1.869,735	13.562,052	7,253	6,787
19	26	98.310	37.185,810	671.927,140	18,069	17,603	69	76	57.688	1.689,504	11.692,318	6,921	6,454
20	27	98.203	35.292,597	634.741,330	17,985	17,518	70	77	54.575	1.518,620	10.002,814	6,587	6,120
21	28	98.100	33.496,900	599.448,734	17,896	17,429	71	78	51.294	1.356,120	8.484,194	6,256	5,789
22	29	97.994	31.791,640	565.951,834	17,802	17,335	72	79	47.838	1.201,650	7.128,074	5,932	5,465
23	30	97.891	30.174,225	534.160,194	17,703	17,236	73	80	44.212	1.055,180	5.926,424	5,617	5,150
24	31	97.787	28.638,467	503.985,969	17,598	17,131	74	81	40.427	916,719	4.871,244	5,314	4,847
25	32	97.681	27.180,490	475.347,502	17,489	17,022	75	82	36.553	787,522	3.954,526	5,021	4,555
26	33	97.575	25.796,628	448.167,012	17,373	16,906	76	83	32.610	667,525	3.167,004	4,744	4,278
27	34	97.466	24.482,545	422.370,385	17,252	16,785	77	84	28.763	559,409	2.499,479	4,468	4,001
28	35	97.351	23.233,792	397.887,840	17,125	16,659	78	85	25.004	462,038	1.940,069	4,199	3,732
29	36	97.229	22.047,343	374.654,048	16,993	16,526	79	86	21.447	376,541	1.478,032	3,925	3,458
30	37	97.106	20.921,024	352.606,705	16,854	16,387	80	87	18.000	300,269	1.101,490	3,668	3,202
31	38	96.976	19.850,756	331.685,680	16,709	16,242	81	88	14.698	232,959	801,221	3,439	2,973
32	39	96.831	18.832,499	311.834,924	16,558	16,092	82	89	11.717	176,444	568,262	3,221	2,754
33	40	96.674	17.864,144	293.002,425	16,402	15,935	83	90	9.044	129,391	391,819	3,028	2,561
34	41	96.506	16.943,417	275.138,281	16,239	15,772	84	91	6.794	92,362	262,428	2,841	2,375
35	42	96.318	16.066,985	258.194,865	16,070	15,603	85	92	4.912	63,447	170,066	2,680	2,214
36	43	96.109	15.232,418	242.127,880	15,896	15,429	86	93	3.450	42,334	106,619	2,519	2,052
37	44	95.876	14.437,504	226.895,462	15,716	15,249	87	94	2.322	27,078	64,285	2,374	1,907
38	45	95.627	13.681,700	212.457,957	15,529	15,062	88	95	1.494	16,548	37,207	2,248	1,782
39	46	95.344	12.960,739	198.776,258	15,337	14,870	89	96	919	9,673	20,658	2,136	1,669
40	47	95.026	12.273,179	185.815,519	15,140	14,673	90	97	541	5,406	10,986	2,032	1,565
41	48	94.678	11.618,258	173.542,340	14,937	14,470	91	98	304	2,884	5,580	1,935	1,468
42	49	94.297	10.994,398	161.924,082	14,728	14,261	92	99	162	1,459	2,695	1,848	1,381
43	50	93.863	10.397,860	150.929,684	14,515	14,049	93	100	82	0,699	1,237	1,769	1,302
44	51	93.394	9.829,846	140.531,824	14,296	13,830	94	101	39	0,317	0,538	1,698	1,231
45	52	92.885	9.288,596	130.701,978	14,071	13,604	95	102	17	0,135	0,221	1,632	1,166
46	53	92.319	8.771,515	121.413,382	13,842	13,375	96	103	7	0,054	0,086	1,573	1,106
47	54	91.715	8.279,468	112.641,867	13,605	13,138	97	104	3	0,021	0,031	1,519	1,052
48	55	91.054	7.809,735	104.362,399	13,363	12,896	98	105	1	0,007	0,011	1,470	1,003
49	56	90.339	7.361,899	96.552,664	13,115	12,648	99	106					
							100	107					

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -8 Jahre

Zinsfuß 5,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	8	99.504	99.504,143	1.902.263,062	19,117	18,651	50	58	89.172	6.904,375	87.789,412	12,715	12,248
1	9	99.041	94.100,396	1.802.758,919	19,158	18,691	51	59	88.303	6.496,036	80.885,037	12,451	11,985
2	10	98.994	89.364,658	1.708.658,522	19,120	18,653	52	60	87.399	6.108,815	74.389,001	12,177	11,711
3	11	98.966	84.882,806	1.619.293,864	19,077	18,610	53	61	86.408	5.738,300	68.280,186	11,899	11,432
4	12	98.939	80.626,473	1.534.411,058	19,031	18,564	54	62	85.382	5.387,309	62.541,887	11,609	11,142
5	13	98.917	76.587,946	1.453.784,585	18,982	18,515	55	63	84.268	5.051,836	57.154,578	11,314	10,847
6	14	98.894	72.750,631	1.377.196,639	18,930	18,464	56	64	83.069	4.731,512	52.102,742	11,012	10,545
7	15	98.871	69.105,630	1.304.446,008	18,876	18,409	57	65	81.816	4.427,675	47.371,230	10,699	10,232
8	16	98.841	65.638,719	1.235.340,378	18,820	18,354	58	66	80.445	4.136,355	42.943,556	10,382	9,915
9	17	98.808	62.343,957	1.169.701,660	18,762	18,295	59	67	78.957	3.857,322	38.807,201	10,061	9,594
10	18	98.777	59.215,589	1.107.357,702	18,700	18,234	60	68	77.333	3.589,529	34.949,879	9,737	9,270
11	19	98.740	56.240,377	1.048.142,113	18,637	18,170	61	69	75.588	3.333,514	31.360,350	9,408	8,941
12	20	98.698	53.412,507	991.901,737	18,571	18,104	62	70	73.727	3.089,269	28.026,836	9,072	8,606
13	21	98.654	50.725,571	938.489,230	18,501	18,035	63	71	71.700	2.854,479	24.937,567	8,736	8,269
14	22	98.617	48.177,277	887.763,659	18,427	17,960	64	72	69.518	2.629,568	22.083,087	8,398	7,931
15	23	98.572	45.753,300	839.586,382	18,350	17,883	65	73	67.188	2.414,640	19.453,519	8,056	7,590
16	24	98.523	43.449,475	793.833,082	18,270	17,803	66	74	64.666	2.208,096	17.038,879	7,717	7,250
17	25	98.459	41.255,139	750.383,607	18,189	17,722	67	75	61.985	2.010,971	14.830,783	7,375	6,908
18	26	98.385	39.167,774	709.128,468	18,105	17,638	68	76	59.085	1.821,257	12.819,812	7,039	6,572
19	27	98.282	37.175,399	669.960,695	18,022	17,555	69	77	56.018	1.640,596	10.998,555	6,704	6,237
20	28	98.175	35.282,311	632.785,295	17,935	17,468	70	78	52.800	1.469,215	9.357,959	6,369	5,903
21	29	98.071	33.486,958	597.502,984	17,843	17,376	71	79	49.393	1.305,859	7.888,744	6,041	5,574
22	30	97.965	31.782,334	564.016,026	17,746	17,279	72	80	45.825	1.151,101	6.582,885	5,719	5,252
23	31	97.859	30.164,345	532.233,692	17,644	17,178	73	81	42.058	1.003,777	5.431,783	5,411	4,945
24	32	97.752	28.628,237	502.069,347	17,538	17,071	74	82	38.173	865,617	4.428,006	5,115	4,649
25	33	97.646	27.170,825	473.441,110	17,425	16,958	75	83	34.191	736,629	3.562,389	4,836	4,369
26	34	97.536	25.786,320	446.270,285	17,306	16,840	76	84	30.273	619,692	2.825,760	4,560	4,093
27	35	97.420	24.471,067	420.483,965	17,183	16,716	77	85	26.451	514,454	2.206,068	4,288	3,821
28	36	97.301	23.221,898	396.012,898	17,053	16,587	78	86	22.833	421,922	1.691,614	4,009	3,543
29	37	97.174	22.034,876	372.791,001	16,918	16,451	79	87	19.284	338,581	1.269,692	3,750	3,283
30	38	97.046	20.908,195	350.756,125	16,776	16,309	80	88	15.878	264,874	931,112	3,515	3,049
31	39	96.908	19.836,870	329.847,929	16,628	16,161	81	89	12.765	202,318	666,238	3,293	2,826
32	40	96.754	18.817,428	310.011,059	16,475	16,008	82	90	9.980	150,290	463,919	3,087	2,620
33	41	96.590	17.848,603	291.193,631	16,315	15,848	83	91	7.565	108,240	313,629	2,898	2,431
34	42	96.410	16.926,668	273.345,028	16,149	15,682	84	92	5.521	75,053	205,389	2,737	2,270
35	43	96.210	16.048,915	256.418,360	15,977	15,511	85	93	3.903	50,415	130,335	2,585	2,118
36	44	95.984	15.212,646	240.369,445	15,801	15,334	86	94	2.677	32,852	79,920	2,433	1,966
37	45	95.743	14.417,407	225.156,799	15,617	15,150	87	95	1.758	20,495	47,068	2,297	1,830
38	46	95.475	13.660,000	210.739,392	15,427	14,961	88	96	1.101	12,200	26,574	2,178	1,711
39	47	95.172	12.937,461	197.079,392	15,233	14,766	89	97	659	6,937	14,374	2,072	1,605
40	48	94.841	12.249,312	184.141,931	15,033	14,566	90	98	377	3,767	7,437	1,975	1,508
41	49	94.477	11.593,628	171.892,618	14,826	14,360	91	99	205	1,950	3,671	1,882	1,416
42	50	94.070	10.967,938	160.298,990	14,615	14,148	92	100	106	0,955	1,721	1,801	1,334
43	51	93.626	10.371,588	149.331,053	14,398	13,931	93	101	52	0,443	0,765	1,727	1,260
44	52	93.135	9.802,546	138.959,465	14,176	13,709	94	102	24	0,194	0,322	1,659	1,192
45	53	92.604	9.260,515	129.156,919	13,947	13,480	95	103	10	0,080	0,128	1,597	1,130
46	54	92.028	8.743,819	119.896,404	13,712	13,245	96	104	4	0,031	0,048	1,541	1,074
47	55	91.396	8.250,670	111.152,585	13,472	13,005	97	105	2	0,011	0,017	1,490	1,023
48	56	90.709	7.780,161	102.901,915	13,226	12,759	98	106					
49	57	89.976	7.332,343	95.121,754	12,973	12,506	99	107					
							100	108					

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -9 Jahre

Zinsfuß 5,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	9	99.495	99.494,592	1.899.940,188	19,096	18,629	50	59	88.743	6.871,126	86.297,742	12,559	12,093
1	10	99.034	94.094,316	1.800.445,596	19,134	18,668	51	60	87.854	6.463,011	79.426,616	12,289	11,823
2	11	98.986	89.357,143	1.706.351,280	19,096	18,629	52	61	86.918	6.075,190	72.963,604	12,010	11,543
3	12	98.957	84.874,846	1.616.994,137	19,052	18,585	53	62	85.922	5.706,008	66.888,414	11,722	11,256
4	13	98.930	80.619,625	1.532.119,291	19,004	18,538	54	63	84.845	5.353,407	61.182,406	11,429	10,962
5	14	98.907	76.580,526	1.451.499,666	18,954	18,487	55	64	83.695	5.017,474	55.828,999	11,127	10,660
6	15	98.882	72.742,154	1.374.919,140	18,901	18,434	56	65	82.461	4.696,911	50.811,525	10,818	10,351
7	16	98.853	69.093,283	1.302.176,987	18,847	18,380	57	66	81.147	4.391,513	46.114,614	10,501	10,034
8	17	98.820	65.624,818	1.233.083,704	18,790	18,323	58	67	79.717	4.098,894	41.723,102	10,179	9,712
9	18	98.787	62.330,240	1.167.458,886	18,730	18,263	59	68	78.154	3.818,112	37.624,208	9,854	9,387
10	19	98.749	59.198,559	1.105.128,646	18,668	18,201	60	69	76.448	3.548,473	33.806,096	9,527	9,060
11	20	98.712	56.224,786	1.045.930,087	18,603	18,136	61	70	74.623	3.290,985	30.257,622	9,194	8,727
12	21	98.667	53.395,636	989.705,300	18,535	18,069	62	71	72.679	3.045,360	26.966,638	8,855	8,388
13	22	98.630	50.713,160	936.309,664	18,463	17,996	63	72	70.538	2.808,202	23.921,278	8,518	8,052
14	23	98.590	48.164,234	885.596,504	18,387	17,920	64	73	68.265	2.582,159	21.113,076	8,177	7,710
15	24	98.546	45.741,362	837.432,270	18,308	17,841	65	74	65.819	2.365,448	18.530,917	7,834	7,367
16	25	98.496	43.437,671	791.690,908	18,226	17,759	66	75	63.194	2.157,836	16.165,469	7,492	7,025
17	26	98.434	41.244,987	748.253,237	18,142	17,675	67	76	60.378	1.958,832	14.007,633	7,151	6,684
18	27	98.357	39.156,808	707.008,250	18,056	17,589	68	77	57.374	1.768,535	12.048,801	6,813	6,346
19	28	98.254	37.164,565	667.851,442	17,970	17,503	69	78	54.195	1.587,223	10.280,266	6,477	6,010
20	29	98.145	35.271,839	630.686,877	17,881	17,414	70	79	50.843	1.414,763	8.693,043	6,145	5,678
21	30	98.042	33.477,156	595.415,038	17,786	17,319	71	80	47.315	1.250,927	7.278,280	5,818	5,352
22	31	97.933	31.771,928	561.937,882	17,687	17,220	72	81	43.593	1.095,026	6.027,354	5,504	5,038
23	32	97.824	30.153,570	530.165,954	17,582	17,115	73	82	39.714	947,823	4.932,328	5,204	4,737
24	33	97.717	28.618,058	500.012,384	17,472	17,005	74	83	35.707	809,677	3.984,505	4,921	4,454
25	34	97.607	27.159,968	471.394,326	17,356	16,889	75	84	31.741	683,844	3.174,827	4,643	4,176
26	35	97.490	25.774,231	444.234,358	17,236	16,769	76	85	27.840	569,893	2.490,984	4,371	3,904
27	36	97.370	24.458,539	418.460,127	17,109	16,642	77	86	24.155	469,787	1.921,091	4,089	3,622
28	37	97.246	23.208,767	394.001,589	16,976	16,510	78	87	20.531	379,386	1.451,304	3,825	3,359
29	38	97.115	22.021,364	370.792,822	16,838	16,371	79	88	17.011	298,669	1.071,919	3,589	3,122
30	39	96.979	20.893,570	348.771,458	16,693	16,226	80	89	13.790	230,036	773,249	3,361	2,895
31	40	96.830	19.820,995	327.877,888	16,542	16,075	81	90	10.873	172,330	543,213	3,152	2,685
32	41	96.670	18.801,057	308.056,893	16,385	15,918	82	91	8.349	125,724	370,883	2,950	2,483
33	42	96.495	17.830,960	289.255,836	16,222	15,755	83	92	6.148	87,956	245,160	2,787	2,321
34	43	96.302	16.907,631	271.424,876	16,053	15,587	84	93	4.387	59,638	157,204	2,636	2,169
35	44	96.085	16.028,083	254.517,245	15,879	15,413	85	94	3.029	39,123	97,566	2,494	2,027
36	45	95.851	15.191,470	238.489,162	15,699	15,232	86	95	2.026	24,864	58,443	2,350	1,884
37	46	95.591	14.394,541	223.297,692	15,513	15,046	87	96	1.296	15,109	33,579	2,222	1,756
38	47	95.304	13.635,467	208.903,151	15,321	14,854	88	97	790	8,749	18,469	2,111	1,644
39	48	94.987	12.912,303	195.267,684	15,123	14,656	89	98	459	4,833	9,720	2,011	1,544
40	49	94.640	12.223,344	182.355,381	14,919	14,452	90	99	255	2,546	4,887	1,919	1,452
41	50	94.250	11.565,725	170.132,037	14,710	14,243	91	100	134	1,277	2,341	1,833	1,366
42	51	93.833	10.940,226	158.566,311	14,494	14,027	92	101	67	0,606	1,063	1,756	1,289
43	52	93.366	10.342,784	147.626,086	14,273	13,807	93	102	32	0,272	0,458	1,686	1,219
44	53	92.853	9.772,911	137.283,302	14,047	13,581	94	103	14	0,115	0,186	1,622	1,155
45	54	92.312	9.231,274	127.510,391	13,813	13,346	95	104	6	0,046	0,071	1,564	1,097
46	55	91.707	8.713,406	118.279,117	13,574	13,108	96	105	2	0,017	0,026	1,510	1,044
47	56	91.050	8.219,426	109.565,711	13,330	12,863	97	106					
48	57	90.345	7.748,926	101.346,285	13,079	12,612	98	107					
49	58	89.574	7.299,618	93.597,360	12,822	12,355	99	108					
							100	109					

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -10 Jahre

Zinsfuß 5,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	10	99.488	99.488,163	1.897.454,210	19,072	18,605	50	60	88.292	6.836,195	84.712,930	12,392	11,925
1	11	99.026	94.086,403	1.797.966,047	19,110	18,643	51	61	87.371	6.427,437	77.876,735	12,116	11,650
2	12	98.977	89.348,764	1.703.879,643	19,070	18,603	52	62	86.429	6.041,003	71.449,298	11,827	11,361
3	13	98.948	84.867,637	1.614.530,880	19,024	18,557	53	63	85.381	5.670,101	65.408,295	11,536	11,069
4	14	98.921	80.611,814	1.529.663,243	18,976	18,509	54	64	84.267	5.316,994	59.738,194	11,235	10,769
5	15	98.896	76.571,602	1.449.051,429	18,924	18,457	55	65	83.083	4.980,782	54.421,200	10,926	10,459
6	16	98.865	72.729,157	1.372.479,826	18,871	18,404	56	66	81.788	4.658,550	49.440,418	10,613	10,146
7	17	98.832	69.078,651	1.299.750,670	18,816	18,349	57	67	80.412	4.351,740	44.781,869	10,291	9,824
8	18	98.798	65.610,379	1.230.672,019	18,757	18,290	58	68	78.906	4.057,229	40.430,128	9,965	9,498
9	19	98.758	62.312,315	1.165.061,640	18,697	18,230	59	69	77.260	3.774,442	36.372,900	9,637	9,170
10	20	98.722	59.182,149	1.102.749,325	18,633	18,166	60	70	75.473	3.503,201	32.598,458	9,305	8,839
11	21	98.681	56.207,027	1.043.567,176	18,566	18,100	61	71	73.563	3.244,208	29.095,256	8,968	8,502
12	22	98.643	53.382,572	987.360,149	18,496	18,029	62	72	71.501	2.995,988	25.851,048	8,629	8,162
13	23	98.603	50.699,430	933.977,577	18,422	17,955	63	73	69.266	2.757,572	22.855,061	8,288	7,821
14	24	98.565	48.151,667	883.278,147	18,344	17,877	64	74	66.874	2.529,555	20.097,488	7,945	7,478
15	25	98.520	45.728,935	835.126,480	18,263	17,796	65	75	64.321	2.311,606	17.567,934	7,600	7,133
16	26	98.472	43.426,982	789.397,545	18,178	17,711	66	76	61.556	2.101,889	15.256,327	7,258	6,792
17	27	98.407	41.233,440	745.970,562	18,091	17,625	67	77	58.630	1.902,127	13.154,438	6,916	6,449
18	28	98.328	39.145,397	704.737,122	18,003	17,536	68	78	55.508	1.711,000	11.252,312	6,576	6,110
19	29	98.225	37.153,534	665.591,725	17,915	17,448	69	79	52.187	1.528,397	9.541,312	6,243	5,776
20	30	98.117	35.261,514	628.438,191	17,822	17,355	70	80	48.704	1.355,249	8.012,915	5,913	5,446
21	31	98.010	33.466,195	593.176,677	17,725	17,258	71	81	45.010	1.189,988	6.657,665	5,595	5,128
22	32	97.898	31.760,579	559.710,482	17,623	17,156	72	82	41.163	1.033,985	5.467,677	5,288	4,821
23	33	97.790	30.142,848	527.949,903	17,515	17,048	73	83	37.147	886,571	4.433,692	5,001	4,534
24	34	97.678	28.606,623	497.807,055	17,402	16,935	74	84	33.148	751,658	3.547,121	4,719	4,252
25	35	97.561	27.147,235	469.200,432	17,284	16,817	75	85	29.190	628,889	2.795,463	4,445	3,978
26	36	97.440	25.761,035	442.053,197	17,160	16,693	76	86	25.423	520,412	2.166,575	4,163	3,696
27	37	97.315	24.444,708	416.292,162	17,030	16,563	77	87	21.720	422,426	1.646,163	3,897	3,430
28	38	97.186	23.194,535	391.847,454	16,894	16,427	78	88	18.111	334,665	1.223,737	3,657	3,190
29	39	97.047	22.005,960	368.652,919	16,752	16,286	79	89	14.774	259,386	889,073	3,428	2,961
30	40	96.901	20.876,849	346.646,959	16,604	16,138	80	90	11.746	195,939	629,686	3,214	2,747
31	41	96.746	19.803,751	325.770,110	16,450	15,983	81	91	9.096	144,160	433,747	3,009	2,542
32	42	96.574	18.782,473	305.966,359	16,290	15,823	82	92	6.784	102,163	289,587	2,835	2,368
33	43	96.386	17.810,906	287.183,886	16,124	15,657	83	93	4.885	69,891	187,424	2,682	2,215
34	44	96.177	16.885,685	269.372,980	15,953	15,486	84	94	3.404	46,280	117,533	2,540	2,073
35	45	95.951	16.005,772	252.487,295	15,775	15,308	85	95	2.293	29,610	71,253	2,406	1,940
36	46	95.699	15.167,376	236.481,524	15,591	15,125	86	96	1.494	18,330	41,643	2,272	1,805
37	47	95.419	14.368,689	221.314,148	15,403	14,936	87	97	929	10,836	23,312	2,151	1,685
38	48	95.118	13.608,951	206.945,459	15,207	14,740	88	98	550	6,096	12,477	2,047	1,580
39	49	94.786	12.884,929	193.336,508	15,005	14,538	89	99	310	3,267	6,381	1,953	1,486
40	50	94.412	12.193,926	180.451,579	14,798	14,332	90	100	167	1,668	3,113	1,866	1,400
41	51	94.011	11.536,503	168.257,652	14,585	14,118	91	101	85	0,810	1,445	1,785	1,318
42	52	93.572	10.909,842	156.721,149	14,365	13,898	92	102	41	0,371	0,636	1,712	1,246
43	53	93.084	10.311,515	145.811,307	14,141	13,674	93	103	19	0,161	0,264	1,646	1,180
44	54	92.560	9.742,053	135.499,792	13,909	13,442	94	104	8	0,065	0,104	1,586	1,119
45	55	91.991	9.199,166	125.757,739	13,671	13,204	95	105	3	0,025	0,038	1,531	1,064
46	56	91.360	8.680,409	116.558,573	13,428	12,961	96	106					
47	57	90.685	8.186,427	107.878,164	13,178	12,711	97	107					
48	58	89.941	7.714,341	99.691,737	12,923	12,456	98	108					
49	59	89.143	7.264,466	91.977,396	12,661	12,194	99	109					
							100	110					

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -11 Jahre

Zinsfuß 5,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	11	99.480	99.479,797	1.894.792,857	19,047	18,580	50	61	87.806	6.798,567	83.031,557	12,213	11,746
1	12	99.017	94.077,580	1.795.313,061	19,083	18,617	51	62	86.879	6.391,268	76.232,990	11,928	11,461
2	13	98.968	89.341,175	1.701.235,480	19,042	18,575	52	63	85.885	6.002,988	69.841,722	11,634	11,168
3	14	98.939	84.859,414	1.611.894,305	18,995	18,528	53	64	84.800	5.631,534	63.838,735	11,336	10,869
4	15	98.909	80.602,421	1.527.034,891	18,945	18,478	54	65	83.651	5.278,112	58.207,201	11,028	10,561
5	16	98.878	76.557,921	1.446.432,470	18,893	18,427	55	66	82.405	4.940,102	52.929,089	10,714	10,247
6	17	98.844	72.713,755	1.369.874,549	18,839	18,372	56	67	81.047	4.616,359	47.988,987	10,395	9,929
7	18	98.810	69.063,452	1.297.160,794	18,782	18,315	57	68	79.595	4.307,505	43.372,628	10,069	9,602
8	19	98.770	65.591,510	1.228.097,342	18,723	18,257	58	69	78.004	4.010,824	39.065,123	9,740	9,273
9	20	98.731	62.295,041	1.162.505,832	18,661	18,194	59	70	76.275	3.726,287	35.054,299	9,407	8,941
10	21	98.690	59.163,456	1.100.210,791	18,596	18,129	60	71	74.400	3.453,409	31.328,012	9,072	8,605
11	22	98.657	56.193,275	1.041.047,335	18,526	18,059	61	72	72.370	3.191,612	27.874,604	8,734	8,267
12	23	98.616	53.368,119	984.854,060	18,454	17,987	62	73	70.212	2.941,973	24.682,992	8,390	7,923
13	24	98.577	50.686,202	931.485,941	18,378	17,911	63	74	67.855	2.701,394	21.741,019	8,048	7,581
14	25	98.538	48.138,586	880.799,739	18,297	17,830	64	75	65.352	2.471,978	19.039,625	7,702	7,235
15	26	98.495	45.717,683	832.661,153	18,213	17,746	65	76	62.653	2.251,672	16.567,647	7,358	6,891
16	27	98.445	43.414,824	786.943,470	18,126	17,659	66	77	59.774	2.041,043	14.315,975	7,014	6,547
17	28	98.378	41.221,424	743.528,646	18,037	17,571	67	78	56.723	1.840,246	12.274,932	6,670	6,203
18	29	98.299	39.133,778	702.307,222	17,946	17,480	68	79	53.450	1.647,587	10.434,687	6,333	5,867
19	30	98.196	37.142,659	663.173,445	17,855	17,388	69	80	49.992	1.464,103	8.787,100	6,002	5,535
20	31	98.085	35.249,969	626.030,786	17,760	17,293	70	81	46.332	1.289,229	7.322,997	5,680	5,213
21	32	97.975	33.454,240	590.780,817	17,659	17,193	71	82	42.501	1.123,654	6.033,767	5,370	4,903
22	33	97.863	31.749,285	557.326,576	17,554	17,087	72	83	38.503	967,165	4.910,113	5,077	4,610
23	34	97.751	30.130,804	525.577,291	17,443	16,976	73	84	34.485	823,041	3.942,949	4,791	4,324
24	35	97.632	28.593,211	495.446,487	17,327	16,861	74	85	30.484	691,253	3.119,908	4,513	4,047
25	36	97.511	27.133,337	466.853,276	17,206	16,739	75	86	26.655	574,286	2.428,655	4,229	3,762
26	37	97.385	25.746,469	439.719,939	17,079	16,612	76	87	22.860	467,947	1.854,369	3,963	3,496
27	38	97.256	24.429,718	413.973,470	16,945	16,479	77	88	19.159	372,631	1.386,422	3,721	3,254
28	39	97.118	23.178,310	389.543,752	16,806	16,340	78	89	15.729	290,647	1.013,791	3,488	3,021
29	40	96.969	21.988,349	366.365,442	16,662	16,195	79	90	12.584	220,939	723,144	3,273	2,806
30	41	96.817	20.858,687	344.377,093	16,510	16,043	80	91	9.826	163,910	502,205	3,064	2,597
31	42	96.650	19.784,176	323.518,406	16,352	15,886	81	92	7.391	117,145	338,295	2,888	2,421
32	43	96.465	18.761,349	303.734,230	16,189	15,723	82	93	5.391	81,180	221,150	2,724	2,257
33	44	96.261	17.787,787	284.972,882	16,021	15,554	83	94	3.791	54,236	139,970	2,581	2,114
34	45	96.043	16.862,180	267.185,095	15,845	15,378	84	95	2.577	35,027	85,734	2,448	1,981
35	46	95.799	15.980,387	250.322,915	15,664	15,198	85	96	1.690	21,830	50,707	2,323	1,856
36	47	95.527	15.140,136	234.342,529	15,478	15,011	86	97	1.071	13,146	28,877	2,197	1,730
37	48	95.233	14.340,747	219.202,393	15,285	14,818	87	98	648	7,550	15,732	2,084	1,617
38	49	94.917	13.580,101	204.861,646	15,085	14,619	88	99	372	4,121	8,182	1,985	1,519
39	50	94.558	12.853,919	191.281,545	14,881	14,414	89	100	203	2,140	4,061	1,897	1,430
40	51	94.174	12.163,117	178.427,627	14,670	14,203	90	101	106	1,057	1,920	1,816	1,349
41	52	93.750	11.504,464	166.264,510	14,452	13,985	91	102	52	0,496	0,863	1,739	1,272
42	53	93.289	10.876,859	154.760,046	14,228	13,762	92	103	24	0,219	0,367	1,671	1,204
43	54	92.790	10.278,956	143.883,187	13,998	13,531	93	104	11	0,092	0,147	1,609	1,142
44	55	92.238	9.708,167	133.604,231	13,762	13,295	94	105	4	0,036	0,056	1,552	1,085
45	56	91.642	9.164,330	123.896,063	13,519	13,053	95	106					
46	57	90.993	8.645,560	114.731,733	13,271	12,804	96	107					
47	58	90.280	8.149,890	106.086,174	13,017	12,550	97	108					
48	59	89.508	7.677,192	97.936,283	12,757	12,290	98	109					
49	60	88.690	7.227,535	90.259,091	12,488	12,021	99	110					
							100	111					

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -12 Jahre

Zinsfuß 5,25%

Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	12	99.470	99.470,467	1.891.948,728	19,020	18,553	50	62	87.312	6.760,309	81.251,280	12,019	11,552
1	13	99.008	94.069,590	1.792.478,261	19,055	18,588	51	63	86.332	6.351,048	74.490,971	11,729	11,262
2	14	98.959	89.332,519	1.698.408,670	19,012	18,545	52	64	85.301	5.962,156	68.139,923	11,429	10,962
3	15	98.927	84.849,526	1.609.076,151	18,964	18,497	53	65	84.180	5.590,351	62.177,767	11,122	10,656
4	16	98.891	80.588,019	1.524.226,625	18,914	18,447	54	66	82.968	5.235,003	56.587,416	10,809	10,343
5	17	98.857	76.541,708	1.443.638,606	18,861	18,394	55	67	81.658	4.895,362	51.352,412	10,490	10,023
6	18	98.822	72.697,756	1.367.096,898	18,805	18,338	56	68	80.223	4.569,434	46.457,051	10,167	9,700
7	19	98.782	69.043,590	1.294.399,141	18,748	18,281	57	69	78.685	4.258,238	41.887,617	9,837	9,370
8	20	98.742	65.573,328	1.225.355,552	18,687	18,220	58	70	77.009	3.959,653	37.629,379	9,503	9,036
9	21	98.700	62.275,365	1.159.782,224	18,623	18,157	59	71	75.191	3.673,323	33.669,726	9,166	8,699
10	22	98.666	59.148,980	1.097.506,859	18,555	18,088	60	72	73.194	3.397,421	29.996,403	8,829	8,362
11	23	98.630	56.178,061	1.038.357,879	18,483	18,017	61	73	71.065	3.134,070	26.598,982	8,487	8,020
12	24	98.590	53.354,195	982.179,817	18,409	17,942	62	74	68.781	2.882,038	23.464,912	8,142	7,675
13	25	98.551	50.672,432	928.825,622	18,330	17,863	63	75	66.310	2.639,906	20.582,874	7,797	7,330
14	26	98.514	48.126,740	878.153,191	18,247	17,780	64	76	63.658	2.407,885	17.942,969	7,452	6,985
15	27	98.468	45.704,884	830.026,450	18,161	17,694	65	77	60.839	2.186,490	15.535,083	7,105	6,638
16	28	98.416	43.402,172	784.321,566	18,071	17,604	66	78	57.829	1.974,643	13.348,593	6,760	6,293
17	29	98.349	41.209,188	740.919,394	17,979	17,513	67	79	54.620	1.772,042	11.373,951	6,419	5,952
18	30	98.270	39.122,323	699.710,206	17,885	17,418	68	80	51.202	1.578,279	9.601,908	6,084	5,617
19	31	98.164	37.130,498	660.587,883	17,791	17,324	69	81	47.556	1.392,781	8.023,629	5,761	5,294
20	32	98.050	35.237,378	623.457,386	17,693	17,226	70	82	43.749	1.217,363	6.630,849	5,447	4,980
21	33	97.940	33.442,345	588.220,008	17,589	17,122	71	83	39.755	1.051,039	5.413,486	5,151	4,684
22	34	97.824	31.736,599	554.777,663	17,481	17,014	72	84	35.744	897,860	4.362,447	4,859	4,392
23	35	97.705	30.116,678	523.041,064	17,367	16,900	73	85	31.714	756,900	3.464,588	4,577	4,111
24	36	97.582	28.578,573	492.924,386	17,248	16,781	74	86	27.837	631,235	2.707,688	4,290	3,823
25	37	97.456	27.117,994	464.345,813	17,123	16,656	75	87	23.968	516,390	2.076,452	4,021	3,554
26	38	97.325	25.730,680	437.227,819	16,992	16,526	76	88	20.165	412,786	1.560,063	3,779	3,313
27	39	97.188	24.412,629	411.497,139	16,856	16,389	77	89	16.639	323,620	1.147,276	3,545	3,078
28	40	97.040	23.159,761	387.084,509	16,714	16,247	78	90	13.397	247,566	823,656	3,327	2,860
29	41	96.885	21.969,220	363.924,748	16,565	16,098	79	91	10.527	184,824	576,090	3,117	2,650
30	42	96.721	20.838,068	341.955,529	16,410	15,943	80	92	7.985	133,194	391,267	2,938	2,471
31	43	96.542	19.761,925	321.117,460	16,249	15,783	81	93	5.873	93,084	258,073	2,772	2,306
32	44	96.340	18.736,996	301.355,535	16,083	15,617	82	94	4.183	62,996	164,989	2,619	2,152
33	45	96.127	17.763,026	282.618,539	15,910	15,444	83	95	2.869	41,049	101,992	2,485	2,018
34	46	95.891	16.835,436	264.855,513	15,732	15,265	84	96	1.900	25,823	60,943	2,360	1,893
35	47	95.627	15.951,686	248.020,077	15,548	15,081	85	97	1.212	15,655	35,121	2,243	1,777
36	48	95.341	15.110,693	232.068,391	15,358	14,891	86	98	746	9,159	19,465	2,125	1,658
37	49	95.032	14.310,345	216.957,698	15,161	14,694	87	99	438	5,104	10,306	2,019	1,552
38	50	94.688	13.547,417	202.647,352	14,958	14,492	88	100	244	2,700	5,202	1,927	1,460
39	51	94.319	12.821,442	189.099,935	14,749	14,282	89	101	129	1,357	2,502	1,844	1,377
40	52	93.912	12.129,337	176.278,493	14,533	14,066	90	102	65	0,648	1,145	1,768	1,301
41	53	93.467	11.469,683	164.149,156	14,312	13,845	91	103	31	0,293	0,498	1,696	1,229
42	54	92.995	10.842,515	152.679,473	14,082	13,615	92	104	14	0,125	0,204	1,632	1,165
43	55	92.467	10.243,204	141.836,958	13,847	13,380	93	105	6	0,050	0,079	1,573	1,106
44	56	91.889	9.671,404	131.593,754	13,606	13,140	94	106					
45	57	91.274	9.127,538	121.922,350	13,358	12,891	95	107					
46	58	90.587	8.606,974	112.794,813	13,105	12,638	96	108					
47	59	89.845	8.110,643	104.187,839	12,846	12,379	97	109					
48	60	89.053	7.638,163	96.077,196	12,579	12,112	98	110					
49	61	88.202	7.187,753	88.439,033	12,304	11,837	99	111					
							100	112					

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -13 Jahre

Zinsfuß 5,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	13	99.462	99.462,020	1.888.913,184	18,991	18,525	50	63	86.762	6.717,767	79.367,630	11,815	11,348
1	14	98.999	94.060,476	1.789.451,165	19,024	18,558	51	64	85.745	6.307,849	72.649,864	11,517	11,051
2	15	98.947	89.322,110	1.695.390,689	18,981	18,514	52	65	84.677	5.918,556	66.342,014	11,209	10,742
3	16	98.910	84.834,366	1.606.068,579	18,932	18,465	53	66	83.493	5.544,693	60.423,458	10,898	10,431
4	17	98.871	80.570,953	1.521.234,213	18,881	18,414	54	67	82.217	5.187,592	54.878,765	10,579	10,112
5	18	98.836	76.524,868	1.440.663,260	18,826	18,359	55	68	80.828	4.845,600	49.691,173	10,255	9,788
6	19	98.794	72.676,849	1.364.138,393	18,770	18,303	56	69	79.306	4.517,171	44.845,573	9,928	9,461
7	20	98.755	69.024,451	1.291.461,544	18,710	18,243	57	70	77.681	4.203,910	40.328,402	9,593	9,126
8	21	98.711	65.552,616	1.222.437,093	18,648	18,181	58	71	75.914	3.903,372	36.124,492	9,255	8,788
9	22	98.675	62.260,128	1.156.884,477	18,581	18,115	59	72	73.972	3.613,771	32.221,120	8,916	8,449
10	23	98.639	59.132,966	1.094.624,349	18,511	18,044	60	73	71.874	3.336,168	28.607,349	8,575	8,108
11	24	98.604	56.163,404	1.035.491,383	18,437	17,970	61	74	69.617	3.070,222	25.271,181	8,231	7,764
12	25	98.563	53.339,700	979.327,979	18,360	17,893	62	75	67.216	2.816,437	22.200,959	7,883	7,416
13	26	98.526	50.659,963	925.988,279	18,279	17,812	63	76	64.591	2.571,459	19.384,521	7,538	7,072
14	27	98.486	48.113,267	875.328,316	18,193	17,726	64	77	61.815	2.338,181	16.813,062	7,191	6,724
15	28	98.439	45.691,564	827.215,049	18,104	17,638	65	78	58.860	2.115,358	14.474,881	6,843	6,376
16	29	98.387	43.389,289	781.523,485	18,012	17,545	66	79	55.686	1.901,458	12.359,523	6,500	6,033
17	30	98.320	41.197,126	738.134,196	17,917	17,450	67	80	52.323	1.697,499	10.458,065	6,161	5,694
18	31	98.238	39.109,514	696.937,070	17,820	17,353	68	81	48.708	1.501,394	8.760,566	5,835	5,368
19	32	98.129	37.117,234	657.827,557	17,723	17,256	69	82	44.905	1.315,142	7.259,171	5,520	5,053
20	33	98.015	35.224,848	620.710,322	17,621	17,155	70	83	40.922	1.138,692	5.944,030	5,220	4,753
21	34	97.901	33.428,982	585.485,474	17,514	17,048	71	84	36.906	975,724	4.805,338	4,925	4,458
22	35	97.778	31.721,720	552.056,492	17,403	16,936	72	85	32.871	825,706	3.829,615	4,638	4,171
23	36	97.655	30.101,259	520.334,772	17,286	16,819	73	86	28.961	691,182	3.003,908	4,346	3,879
24	37	97.527	28.562,413	490.233,512	17,164	16,697	74	87	25.031	567,598	2.312,726	4,075	3,608
25	38	97.397	27.101,365	461.671,099	17,035	16,568	75	88	21.143	455,519	1.745,128	3,831	3,364
26	39	97.257	25.712,681	434.569,735	16,901	16,434	76	89	17.513	358,494	1.289,609	3,597	3,131
27	40	97.110	24.393,093	408.857,053	16,761	16,294	77	90	14.173	275,651	931,116	3,378	2,911
28	41	96.956	23.139,612	384.463,960	16,615	16,148	78	91	11.207	207,098	655,464	3,165	2,698
29	42	96.789	21.947,504	361.324,348	16,463	15,996	79	92	8.554	150,188	448,366	2,985	2,519
30	43	96.612	20.814,632	339.376,844	16,305	15,838	80	93	6.345	105,837	298,178	2,817	2,351
31	44	96.416	19.736,274	318.562,212	16,141	15,674	81	94	4.558	72,234	192,341	2,663	2,196
32	45	96.206	18.710,914	298.825,938	15,971	15,504	82	95	3.166	47,679	120,107	2,519	2,052
33	46	95.975	17.734,854	280.115,024	15,795	15,328	83	96	2.115	30,262	72,427	2,393	1,927
34	47	95.718	16.805,200	262.380,171	15,613	15,146	84	97	1.362	18,519	42,165	2,277	1,810
35	48	95.441	15.920,666	245.574,971	15,425	14,958	85	98	845	10,908	23,646	2,168	1,701
36	49	95.139	15.078,660	229.654,305	15,230	14,764	86	99	505	6,192	12,738	2,057	1,590
37	50	94.803	14.275,904	214.575,645	15,031	14,564	87	100	287	3,343	6,546	1,958	1,491
38	51	94.449	13.513,188	200.299,741	14,823	14,356	88	101	154	1,711	3,203	1,871	1,405
39	52	94.057	12.785,834	186.786,553	14,609	14,142	89	102	79	0,831	1,491	1,794	1,327
40	53	93.628	12.092,667	174.000,719	14,389	13,922	90	103	38	0,383	0,660	1,722	1,255
41	54	93.172	11.433,467	161.908,052	14,161	13,694	91	104	18	0,167	0,277	1,654	1,188
42	55	92.671	10.804,802	150.474,585	13,927	13,460	92	105	8	0,069	0,109	1,594	1,127
43	56	92.117	10.204,414	139.669,783	13,687	13,220	93	106					
44	57	91.520	9.632,576	129.465,369	13,440	12,974	94	107					
45	58	90.867	9.086,801	119.832,793	13,188	12,721	95	108					
46	59	90.151	8.565,526	110.745,992	12,929	12,462	96	109					
47	60	89.388	8.069,411	102.180,466	12,663	12,196	97	110					
48	61	88.563	7.596,121	94.111,055	12,389	11,923	98	111					
49	62	87.705	7.147,305	86.514,935	12,105	11,638	99	112					
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -14 Jahre

Zinsfuß 5,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	14	99.452	99.452,383	1.885.675,342	18,961	18,494	50	64	86.172	6.672,074	77.379,924	11,598	11,131
1	15	98.987	94.049,515	1.786.222,959	18,992	18,526	51	65	85.118	6.261,721	70.707,850	11,292	10,825
2	16	98.929	89.306,150	1.692.173,444	18,948	18,481	52	66	83.985	5.870,217	64.446,129	10,978	10,512
3	17	98.889	84.816,400	1.602.867,293	18,898	18,431	53	67	82.737	5.494,477	58.575,912	10,661	10,194
4	18	98.849	80.553,226	1.518.050,893	18,845	18,379	54	68	81.381	5.134,860	53.081,435	10,337	9,871
5	19	98.807	76.502,860	1.437.497,667	18,790	18,323	55	69	79.904	4.790,178	47.946,574	10,009	9,543
6	20	98.766	72.656,702	1.360.994,808	18,732	18,265	56	70	78.294	4.459,540	43.156,396	9,677	9,211
7	21	98.723	69.002,649	1.288.338,105	18,671	18,204	57	71	76.577	4.144,158	38.696,856	9,338	8,871
8	22	98.687	65.536,577	1.219.335,457	18,605	18,139	58	72	74.683	3.840,090	34.552,698	8,998	8,531
9	23	98.649	62.243,272	1.153.798,879	18,537	18,070	59	73	72.638	3.548,617	30.712,609	8,655	8,188
10	24	98.614	59.117,538	1.091.555,608	18,464	17,997	60	74	70.410	3.268,203	27.163,991	8,312	7,845
11	25	98.578	56.148,146	1.032.438,070	18,388	17,921	61	75	68.033	3.000,338	23.895,788	7,964	7,498
12	26	98.539	53.326,575	976.289,924	18,308	17,841	62	76	65.473	2.743,414	20.895,450	7,617	7,150
13	27	98.499	50.645,780	922.963,349	18,224	17,757	63	77	62.721	2.497,020	18.152,036	7,269	6,803
14	28	98.457	48.099,245	872.317,569	18,136	17,669	64	78	59.804	2.262,114	15.655,016	6,921	6,454
15	29	98.410	45.678,002	824.218,324	18,044	17,577	65	79	56.679	2.036,958	13.392,902	6,575	6,108
16	30	98.358	43.376,589	778.540,322	17,948	17,482	66	80	53.343	1.821,471	11.355,944	6,234	5,768
17	31	98.288	41.183,637	735.163,733	17,851	17,384	67	81	49.774	1.614,807	9.534,472	5,904	5,438
18	32	98.203	39.095,543	693.980,096	17,751	17,284	68	82	45.993	1.417,701	7.919,666	5,586	5,119
19	33	98.094	37.104,036	654.884,553	17,650	17,183	69	83	42.003	1.230,152	6.501,965	5,285	4,819
20	34	97.976	35.210,773	617.780,516	17,545	17,078	70	84	37.989	1.057,095	5.271,813	4,987	4,520
21	35	97.855	33.413,310	582.569,743	17,435	16,968	71	85	33.940	897,313	4.214,718	4,697	4,230
22	36	97.728	31.705,480	549.156,434	17,321	16,854	72	86	30.017	754,015	3.317,405	4,400	3,933
23	37	97.599	30.084,238	517.450,953	17,200	16,733	73	87	26.041	621,501	2.563,391	4,125	3,658
24	38	97.467	28.544,898	487.366,715	17,074	16,607	74	88	22.080	500,691	1.941,889	3,878	3,412
25	39	97.328	27.082,407	458.821,817	16,942	16,475	75	89	18.362	395,606	1.441,199	3,643	3,176
26	40	97.179	25.692,105	431.739,410	16,804	16,338	76	90	14.917	305,356	1.045,593	3,424	2,957
27	41	97.025	24.371,871	406.047,305	16,660	16,194	77	91	11.856	230,593	740,237	3,210	2,743
28	42	96.860	23.116,739	381.675,434	16,511	16,044	78	92	9.107	168,288	509,644	3,028	2,562
29	43	96.680	21.922,820	358.558,695	16,356	15,889	79	93	6.797	119,341	341,356	2,860	2,394
30	44	96.487	20.787,615	336.635,875	16,194	15,727	80	94	4.923	82,130	222,015	2,703	2,236
31	45	96.282	19.708,800	315.848,260	16,026	15,559	81	95	3.449	54,671	139,884	2,559	2,092
32	46	96.053	18.681,238	296.139,460	15,852	15,385	82	96	2.334	35,150	85,213	2,424	1,957
33	47	95.802	17.703,002	277.458,222	15,673	15,206	83	97	1.517	21,703	50,063	2,307	1,840
34	48	95.532	16.772,520	259.755,219	15,487	15,020	84	98	949	12,903	28,360	2,198	1,731
35	49	95.239	15.886,915	242.982,699	15,295	14,828	85	99	571	7,374	15,457	2,096	1,629
36	50	94.910	15.042,370	227.095,785	15,097	14,630	86	100	331	4,056	8,083	1,993	1,526
37	51	94.563	14.239,834	212.053,415	14,892	14,425	87	101	182	2,120	4,026	1,900	1,433
38	52	94.187	13.475,659	197.813,581	14,679	14,213	88	102	95	1,049	1,907	1,819	1,352
39	53	93.773	12.747,179	184.337,922	14,461	13,994	89	103	47	0,492	0,858	1,746	1,279
40	54	93.332	12.054,484	171.590,743	14,235	13,768	90	104	22	0,218	0,367	1,679	1,212
41	55	92.848	11.393,699	159.536,258	14,002	13,535	91	105	10	0,092	0,148	1,615	1,148
42	56	92.320	10.763,886	148.142,560	13,763	13,296	92	106					
43	57	91.747	10.163,446	137.378,674	13,517	13,050	93	107					
44	58	91.111	9.589,585	127.215,227	13,266	12,799	94	108					
45	59	90.429	9.043,042	117.625,642	13,007	12,541	95	109					
46	60	89.693	8.521,981	108.582,600	12,741	12,275	96	110					
47	61	88.896	8.024,995	100.060,620	12,469	12,002	97	111					
48	62	88.065	7.553,374	92.035,625	12,185	11,718	98	112					
49	63	87.153	7.102,327	84.482,251	11,895	11,428	99						
							100						

Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004

Altersdifferenz zwischen Mann und Frau (x - y) = -15 Jahre

Zinsfuß 5,25%

Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	15	99.441	99.440,794	1.882.226,071	18,928	18,461	50	65	85.542	6.623,282	75.286,408	11,367	10,900
1	16	98.969	94.032,712	1.782.785,277	18,959	18,492	51	66	84.423	6.210,579	68.663,125	11,056	10,589
2	17	98.908	89.287,238	1.688.752,565	18,914	18,447	52	67	83.225	5.817,053	62.452,546	10,736	10,269
3	18	98.867	84.797,739	1.599.465,327	18,862	18,395	53	68	81.896	5.438,626	56.635,493	10,414	9,947
4	19	98.820	80.530,059	1.514.667,588	18,809	18,342	54	69	80.450	5.076,130	51.196,867	10,086	9,619
5	20	98.780	76.481,653	1.434.137,529	18,751	18,285	55	70	78.884	4.729,065	46.120,737	9,753	9,286
6	21	98.735	72.633,753	1.357.655,876	18,692	18,225	56	71	77.181	4.396,154	41.391,673	9,415	8,949
7	22	98.699	68.985,766	1.285.022,123	18,627	18,161	57	72	75.335	4.076,972	36.995,519	9,074	8,607
8	23	98.660	65.518,834	1.216.036,357	18,560	18,093	58	73	73.337	3.770,856	32.918,547	8,730	8,263
9	24	98.623	62.227,032	1.150.517,524	18,489	18,022	59	74	71.158	3.476,324	29.147,691	8,385	7,918
10	25	98.587	59.101,477	1.088.290,491	18,414	17,947	60	75	68.807	3.193,813	25.671,367	8,038	7,571
11	26	98.553	56.134,330	1.029.189,014	18,334	17,868	61	76	66.269	2.922,547	22.477,554	7,691	7,224
12	27	98.512	53.311,645	973.054,685	18,252	17,785	62	77	63.578	2.663,997	19.555,008	7,340	6,874
13	28	98.470	50.631,020	919.743,039	18,166	17,699	63	78	60.681	2.415,786	16.891,011	6,992	6,525
14	29	98.428	48.084,968	869.112,019	18,075	17,608	64	79	57.587	2.178,276	14.475,225	6,645	6,178
15	30	98.381	45.664,632	821.027,051	17,979	17,513	65	80	54.294	1.951,271	12.296,950	6,302	5,835
16	31	98.326	43.362,387	775.362,419	17,881	17,414	66	81	50.745	1.732,739	10.345,678	5,971	5,504
17	32	98.253	41.168,926	732.000,033	17,780	17,314	67	82	46.999	1.524,791	8.612,939	5,649	5,182
18	33	98.168	39.081,642	690.831,107	17,677	17,210	68	83	43.020	1.326,083	7.088,148	5,345	4,878
19	34	98.055	37.089,210	651.749,465	17,572	17,106	69	84	38.993	1.142,002	5.762,065	5,046	4,579
20	35	97.930	35.194,265	614.660,254	17,465	16,998	70	85	34.936	972,146	4.620,063	4,752	4,286
21	36	97.805	33.396,204	579.465,989	17,351	16,884	71	86	30.993	819,404	3.647,918	4,452	3,985
22	37	97.673	31.687,552	546.069,785	17,233	16,766	72	87	26.991	677,999	2.828,514	4,172	3,705
23	38	97.540	30.065,790	514.382,233	17,109	16,642	73	88	22.971	548,240	2.150,515	3,923	3,456
24	39	97.399	28.524,930	484.316,443	16,979	16,512	74	89	19.176	434,836	1.602,275	3,685	3,218
25	40	97.251	27.060,734	455.791,512	16,843	16,376	75	90	15.640	336,967	1.167,438	3,465	2,998
26	41	97.095	25.669,753	428.730,778	16,702	16,235	76	91	12.479	255,442	830,471	3,251	2,784
27	42	96.930	24.347,780	403.061,026	16,554	16,088	77	92	9.634	187,380	575,029	3,069	2,602
28	43	96.751	23.090,740	378.713,245	16,401	15,934	78	93	7.237	133,724	387,649	2,899	2,432
29	44	96.555	21.894,364	355.622,505	16,243	15,776	79	94	5.275	92,609	253,926	2,742	2,275
30	45	96.352	20.758,678	333.728,141	16,077	15,610	80	95	3.726	62,161	161,316	2,595	2,128
31	46	96.129	19.677,542	312.969,463	15,905	15,438	81	96	2.543	40,305	99,155	2,460	1,993
32	47	95.881	18.647,687	293.291,921	15,728	15,261	82	97	1.674	25,209	58,850	2,335	1,868
33	48	95.616	17.668,576	274.644,234	15,544	15,077	83	98	1.057	15,121	33,642	2,225	1,758
34	49	95.330	16.736,963	256.975,658	15,354	14,887	84	99	642	8,723	18,520	2,123	1,656
35	50	95.009	15.848,680	240.238,695	15,158	14,691	85	100	374	4,831	9,797	2,028	1,561
36	51	94.670	15.004,363	224.390,015	14,955	14,488	86	101	210	2,571	4,967	1,932	1,465
37	52	94.301	14.200,287	209.385,652	14,745	14,278	87	102	111	1,299	2,395	1,845	1,378
38	53	93.902	13.434,919	195.185,365	14,528	14,061	88	103	56	0,620	1,097	1,769	1,302
39	54	93.477	12.706,930	181.750,446	14,303	13,836	89	104	27	0,280	0,477	1,700	1,233
40	55	93.008	12.012,556	169.043,517	14,072	13,605	90	105	12	0,120	0,196	1,637	1,170
41	56	92.496	11.350,552	157.030,961	13,835	13,368	91	106					
42	57	91.950	10.720,672	145.680,408	13,589	13,122	92	107					
43	58	91.337	10.118,086	134.959,736	13,338	12,872	93	108					
44	59	90.673	9.543,405	124.841,651	13,081	12,615	94	109					
45	60	89.970	8.997,069	115.298,245	12,815	12,348	95	110					
46	61	89.199	8.475,073	106.301,176	12,543	12,076	96	111					
47	62	88.396	7.979,835	97.826,103	12,259	11,792	97	112					
48	63	87.511	7.505,842	89.846,268	11,970	11,503	98						
49	64	86.560	7.054,018	82.340,426	11,673	11,206	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -16 Jahre

Zinsfuß 5,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	16	99.423	99.423,027	1.878.556,684	18,895	18,428	50	66	84.843	6.569,187	73.085,332	11,125	10,659
1	17	98.948	94.012,798	1.779.133,657	18,924	18,458	51	67	83.658	6.154,333	66.516,144	10,808	10,341
2	18	98.887	89.267,593	1.685.120,859	18,877	18,410	52	68	82.379	5.757,923	60.361,812	10,483	10,016
3	19	98.838	84.773,352	1.595.853,266	18,825	18,358	53	69	80.959	5.376,421	54.603,889	10,156	9,689
4	20	98.793	80.507,736	1.511.079,914	18,769	18,303	54	70	79.424	5.011,368	49.227,468	9,823	9,356
5	21	98.749	76.457,495	1.430.572,179	18,711	18,244	55	71	77.763	4.661,848	44.216,100	9,485	9,018
6	22	98.711	72.615,982	1.354.114,683	18,648	18,181	56	72	75.930	4.324,882	39.554,252	9,146	8,679
7	23	98.673	68.967,089	1.281.498,701	18,581	18,115	57	73	73.977	4.003,467	35.229,370	8,800	8,333
8	24	98.635	65.501,740	1.212.531,613	18,511	18,045	58	74	71.843	3.694,035	31.225,903	8,453	7,986
9	25	98.596	62.210,126	1.147.029,873	18,438	17,971	59	75	69.538	3.397,197	27.531,868	8,104	7,637
10	26	98.563	59.086,934	1.084.819,747	18,360	17,893	60	76	67.023	3.111,005	24.134,671	7,758	7,291
11	27	98.526	56.118,614	1.025.732,813	18,278	17,811	61	77	64.351	2.837,944	21.023,666	7,408	6,941
12	28	98.483	53.296,109	969.614,198	18,193	17,726	62	78	61.509	2.577,330	18.185,722	7,056	6,589
13	29	98.441	50.615,992	916.318,089	18,103	17,637	63	79	58.432	2.326,251	15.608,391	6,710	6,243
14	30	98.399	48.070,893	865.702,098	18,009	17,542	64	80	55.165	2.086,644	13.282,140	6,365	5,899
15	31	98.349	45.649,680	817.631,204	17,911	17,444	65	81	51.649	1.856,216	11.195,496	6,031	5,565
16	32	98.291	43.346,897	771.981,524	17,809	17,343	66	82	47.916	1.636,150	9.339,280	5,708	5,241
17	33	98.218	41.154,287	728.634,627	17,705	17,238	67	83	43.962	1.426,253	7.703,130	5,401	4,934
18	34	98.129	39.066,026	687.480,340	17,598	17,131	68	84	39.938	1.231,059	6.276,877	5,099	4,632
19	35	98.009	37.071,822	648.414,314	17,491	17,024	69	85	35.860	1.050,229	5.045,819	4,804	4,338
20	36	97.879	35.176,248	611.342,492	17,379	16,913	70	86	31.903	887,739	3.995,590	4,501	4,034
21	37	97.750	33.377,319	576.166,244	17,262	16,795	71	87	27.869	736,796	3.107,851	4,218	3,751
22	38	97.613	31.668,121	542.788,925	17,140	16,673	72	88	23.809	598,078	2.371,054	3,964	3,498
23	39	97.471	30.044,759	511.120,804	17,012	16,545	73	89	19.950	476,132	1.772,976	3,724	3,257
24	40	97.321	28.502,103	481.076,045	16,879	16,412	74	90	16.334	370,383	1.296,845	3,501	3,035
25	41	97.166	27.037,192	452.573,942	16,739	16,272	75	91	13.084	281,886	926,462	3,287	2,820
26	42	96.999	25.644,379	425.536,750	16,594	16,127	76	92	10.140	207,572	644,576	3,105	2,639
27	43	96.821	24.320,397	399.892,372	16,443	15,976	77	93	7.656	148,894	437,004	2,935	2,468
28	44	96.626	23.060,768	375.571,975	16,286	15,819	78	94	5.616	103,771	288,110	2,776	2,310
29	45	96.420	21.863,886	352.511,207	16,123	15,656	79	95	3.992	70,092	184,339	2,630	2,163
30	46	96.200	20.725,755	330.647,320	15,953	15,487	80	96	2.747	45,827	114,247	2,493	2,026
31	47	95.957	19.642,202	309.921,566	15,778	15,312	81	97	1.824	28,905	68,420	2,367	1,900
32	48	95.694	18.611,424	290.279,364	15,597	15,130	82	98	1.166	17,564	39,515	2,250	1,783
33	49	95.413	17.631,120	271.667,940	15,408	14,942	83	99	714	10,223	21,951	2,147	1,681
34	50	95.100	16.696,682	254.036,820	15,215	14,748	84	100	420	5,714	11,728	2,053	1,586
35	51	94.769	15.808,636	237.340,138	15,013	14,547	85	101	237	3,062	6,014	1,964	1,497
36	52	94.407	14.962,692	221.531,502	14,806	14,339	86	102	128	1,576	2,952	1,874	1,407
37	53	94.016	14.157,356	206.568,810	14,591	14,124	87	103	66	0,768	1,376	1,792	1,325
38	54	93.606	13.392,498	192.411,453	14,367	13,900	88	104	32	0,354	0,608	1,721	1,254
39	55	93.151	12.662,732	179.018,956	14,137	13,671	89	105	15	0,154	0,255	1,657	1,190
40	56	92.656	11.967,066	166.356,224	13,901	13,434	90	106					
41	57	92.125	11.304,983	154.389,158	13,657	13,190	91	107					
42	58	91.539	10.672,825	143.084,175	13,406	12,940	92	108					
43	59	90.898	10.069,361	132.411,350	13,150	12,683	93	109					
44	60	90.212	9.494,888	122.341,989	12,885	12,418	94	110					
45	61	89.474	8.947,547	112.847,101	12,612	12,145	95	111					
46	62	88.697	8.427,381	103.899,554	12,329	11,862	96	112					
47	63	87.840	7.929,619	95.472,173	12,040	11,573	97						
48	64	86.915	7.454,788	87.542,554	11,743	11,276	98						
49	65	85.927	7.002,434	80.087,765	11,437	10,970	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -17 Jahre

Zinsfuß 5,25%

Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	17	99.402	99.401,972	1.874.662,627	18,859	18,393	50	67	84.075	6.509,693	70.777,319	10,873	10,406
1	18	98.927	93.992,113	1.775.260,655	18,887	18,421	51	68	82.808	6.091,774	64.267,626	10,550	10,083
2	19	98.858	89.241,920	1.681.268,542	18,839	18,373	52	69	81.437	5.692,066	58.175,852	10,221	9,754
3	20	98.811	84.749,852	1.592.026,622	18,785	18,318	53	70	79.926	5.307,828	52.483,786	9,888	9,421
4	21	98.762	80.482,307	1.507.276,770	18,728	18,261	54	71	78.295	4.940,139	47.175,958	9,550	9,083
5	22	98.724	76.438,788	1.426.794,463	18,666	18,199	55	72	76.502	4.586,269	42.235,820	9,209	8,742
6	23	98.684	72.596,322	1.350.355,674	18,601	18,134	56	73	74.561	4.246,908	37.649,551	8,865	8,398
7	24	98.647	68.949,095	1.277.759,352	18,532	18,065	57	74	72.470	3.921,907	33.402,643	8,517	8,050
8	25	98.608	65.483,944	1.208.810,258	18,460	17,993	58	75	70.208	3.609,952	29.480,735	8,167	7,700
9	26	98.572	62.194,819	1.143.326,314	18,383	17,916	59	76	67.735	3.309,116	25.870,783	7,818	7,351
10	27	98.535	59.070,392	1.081.131,495	18,302	17,836	60	77	65.083	3.020,947	22.561,667	7,468	7,002
11	28	98.497	56.102,260	1.022.061,103	18,218	17,751	61	78	62.257	2.745,618	19.540,720	7,117	6,650
12	29	98.454	53.280,289	965.958,843	18,130	17,663	62	79	59.230	2.481,809	16.795,102	6,767	6,300
13	30	98.412	50.601,176	912.678,554	18,037	17,570	63	80	55.974	2.228,395	14.313,293	6,423	5,956
14	31	98.367	48.055,154	862.077,378	17,939	17,473	64	81	52.478	1.984,994	12.084,898	6,088	5,621
15	32	98.314	45.633,374	814.022,224	17,838	17,372	65	82	48.770	1.752,744	10.099,903	5,762	5,296
16	33	98.256	43.331,484	768.388,850	17,733	17,266	66	83	44.820	1.530,415	8.347,160	5,454	4,987
17	34	98.179	41.137,843	725.057,366	17,625	17,158	67	84	40.812	1.324,050	6.816,745	5,148	4,682
18	35	98.083	39.047,711	683.919,523	17,515	17,048	68	85	36.728	1.132,129	5.492,694	4,852	4,385
19	36	97.958	37.052,843	644.871,812	17,404	16,937	69	86	32.746	959,043	4.360,566	4,547	4,080
20	37	97.824	35.156,357	607.818,969	17,289	16,822	70	87	28.687	798,242	3.401,523	4,261	3,794
21	38	97.690	33.356,852	572.662,612	17,168	16,701	71	88	24.584	649,944	2.603,280	4,005	3,539
22	39	97.545	31.645,968	539.305,760	17,042	16,575	72	89	20.678	519,415	1.953,336	3,761	3,294
23	40	97.393	30.020,715	507.659,792	16,910	16,444	73	90	16.993	405,557	1.433,921	3,536	3,069
24	41	97.237	28.477,307	477.639,077	16,773	16,306	74	91	13.664	309,839	1.028,364	3,319	2,852
25	42	97.070	27.010,466	449.161,770	16,629	16,162	75	92	10.632	229,060	718,525	3,137	2,670
26	43	96.890	25.615,537	422.151,304	16,480	16,013	76	93	8.058	164,939	489,464	2,968	2,501
27	44	96.695	24.288,829	396.535,767	16,326	15,859	77	94	5.941	115,543	324,525	2,809	2,342
28	45	96.491	23.028,667	372.246,939	16,165	15,698	78	95	4.250	78,540	208,982	2,661	2,194
29	46	96.267	21.829,210	349.218,271	15,998	15,531	79	96	2.943	51,674	130,442	2,524	2,058
30	47	96.027	20.688,531	327.389,061	15,825	15,358	80	97	1.970	32,865	78,769	2,397	1,930
31	48	95.770	19.604,005	306.700,530	15,645	15,178	81	98	1.271	20,140	45,903	2,279	1,812
32	49	95.492	18.571,969	287.096,525	15,459	14,992	82	99	788	11,874	25,764	2,170	1,703
33	50	95.184	17.588,687	268.524,556	15,267	14,800	83	100	468	6,697	13,890	2,074	1,607
34	51	94.860	16.654,496	250.935,869	15,067	14,600	84	101	266	3,622	7,194	1,986	1,519
35	52	94.506	15.764,731	234.281,374	14,861	14,394	85	102	145	1,876	3,571	1,903	1,436
36	53	94.122	14.917,457	218.516,642	14,648	14,182	86	103	76	0,932	1,695	1,819	1,352
37	54	93.719	14.112,654	203.599,185	14,427	13,960	87	104	38	0,438	0,763	1,743	1,276
38	55	93.280	13.345,915	189.486,531	14,198	13,731	88	105	18	0,194	0,325	1,676	1,209
39	56	92.799	12.614,780	176.140,616	13,963	13,496	89						
40	57	92.284	11.919,022	163.525,836	13,720	13,253	90						
41	58	91.714	11.254,528	151.606,814	13,471	13,004	91						
42	59	91.099	10.621,428	140.352,286	13,214	12,747	92						
43	60	90.435	10.018,170	129.730,858	12,950	12,483	93						
44	61	89.715	9.442,626	119.712,688	12,678	12,211	94						
45	62	88.971	8.897,196	110.270,061	12,394	11,927	95						
46	63	88.139	8.374,349	101.372,865	12,105	11,638	96						
47	64	87.242	7.875,683	92.998,517	11,808	11,342	97						
48	65	86.280	7.400,273	85.122,834	11,503	11,036	98						
49	66	85.226	6.945,242	77.722,561	11,191	10,724	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -18 Jahre

Zinsfuß 5,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	18	99.380	99.380,101	1.870.536,187	18,822	18,355	50	68	83.220	6.443,522	68.363,259	10,610	10,143
1	19	98.898	93.965,082	1.771.156,086	18,849	18,382	51	69	81.861	6.022,099	61.919,737	10,282	9,815
2	20	98.831	89.217,182	1.677.191,004	18,799	18,332	52	70	80.398	5.619,446	55.897,638	9,947	9,480
3	21	98.780	84.723,084	1.587.973,822	18,743	18,276	53	71	78.790	5.232,385	50.278,192	9,609	9,142
4	22	98.738	80.462,615	1.503.250,739	18,683	18,216	54	72	77.025	4.860,048	45.045,808	9,269	8,802
5	23	98.698	76.418,093	1.422.788,123	18,618	18,152	55	73	75.123	4.503,582	40.185,760	8,923	8,456
6	24	98.658	72.577,381	1.346.370,030	18,551	18,084	56	74	73.042	4.160,389	35.682,178	8,577	8,110
7	25	98.620	68.930,363	1.273.792,649	18,479	18,013	57	75	70.820	3.832,638	31.521,789	8,225	7,758
8	26	98.584	65.467,831	1.204.862,286	18,404	17,937	58	76	68.387	3.516,355	27.689,151	7,874	7,408
9	27	98.544	62.177,407	1.139.394,456	18,325	17,858	59	77	65.775	3.213,322	24.172,796	7,523	7,056
10	28	98.506	59.053,177	1.077.217,049	18,241	17,775	60	78	62.966	2.922,668	20.959,473	7,171	6,705
11	29	98.468	56.085,607	1.018.163,872	18,154	17,687	61	79	59.950	2.643,860	18.036,805	6,822	6,355
12	30	98.425	53.264,694	962.078,265	18,062	17,595	62	80	56.738	2.377,409	15.392,945	6,475	6,008
13	31	98.380	50.584,608	908.813,571	17,966	17,499	63	81	53.247	2.119,840	13.015,536	6,140	5,673
14	32	98.332	48.037,988	858.228,962	17,866	17,399	64	82	49.552	1.874,343	10.895,696	5,813	5,346
15	33	98.279	45.617,148	810.190,974	17,761	17,294	65	83	45.619	1.639,474	9.021,353	5,503	5,036
16	34	98.216	43.314,170	764.573,827	17,652	17,185	66	84	41.608	1.420,749	7.381,879	5,196	4,729
17	35	98.133	41.118,557	721.259,657	17,541	17,074	67	85	37.532	1.217,648	5.961,131	4,896	4,429
18	36	98.033	39.027,720	680.141,100	17,427	16,960	68	86	33.539	1.033,832	4.743,483	4,588	4,121
19	37	97.903	37.031,891	641.113,380	17,312	16,846	69	87	29.445	862,357	3.709,651	4,302	3,835
20	38	97.764	35.134,798	604.081,489	17,193	16,726	70	88	25.305	704,147	2.847,293	4,044	3,577
21	39	97.621	33.333,518	568.946,690	17,068	16,602	71	89	21.350	564,459	2.143,146	3,797	3,330
22	40	97.467	31.620,643	535.613,172	16,939	16,472	72	90	17.613	442,425	1.578,686	3,568	3,101
23	41	97.309	29.994,598	503.992,529	16,803	16,336	73	91	14.215	339,264	1.136,262	3,349	2,882
24	42	97.140	28.449,157	473.997,931	16,661	16,194	74	92	11.103	251,775	796,998	3,166	2,699
25	43	96.961	26.980,088	445.548,774	16,514	16,047	75	93	8.448	182,014	545,222	2,996	2,529
26	44	96.764	25.582,288	418.568,686	16,362	15,895	76	94	6.253	127,994	363,209	2,838	2,371
27	45	96.560	24.255,018	392.986,398	16,202	15,735	77	95	4.496	87,450	235,215	2,690	2,223
28	46	96.338	22.992,144	368.731,380	16,037	15,570	78	96	3.133	57,901	147,765	2,552	2,085
29	47	96.094	21.790,005	345.739,236	15,867	15,400	79	97	2.111	37,059	89,863	2,425	1,958
30	48	95.840	20.648,300	323.949,231	15,689	15,222	80	98	1.373	22,899	52,805	2,306	1,839
31	49	95.567	19.562,445	303.300,931	15,504	15,037	81	99	859	13,615	29,906	2,197	1,730
32	50	95.262	18.527,271	283.738,486	15,315	14,848	82	100	517	7,778	16,291	2,094	1,628
33	51	94.943	17.544,247	265.211,215	15,117	14,650	83	101	297	4,245	8,513	2,005	1,539
34	52	94.597	16.608,242	247.666,968	14,912	14,445	84	102	163	2,220	4,268	1,923	1,456
35	53	94.220	15.717,071	231.058,726	14,701	14,234	85	103	86	1,110	2,048	1,846	1,379
36	54	93.825	14.870,355	215.341,654	14,481	14,014	86	104	43	0,531	0,939	1,767	1,300
37	55	93.393	14.063,567	200.471,300	14,255	13,788	87	105	21	0,240	0,407	1,695	1,229
38	56	92.927	13.295,376	186.407,733	14,020	13,554	88	106					
39	57	92.426	12.564,135	173.112,357	13,778	13,312	89	107					
40	58	91.872	11.865,826	160.548,222	13,530	13,064	90	108					
41	59	91.272	11.200,330	148.682,396	13,275	12,808	91	109					
42	60	90.635	10.567,431	137.482,065	13,010	12,543	92	110					
43	61	89.938	9.963,028	126.914,634	12,739	12,272	93	111					
44	62	89.210	9.389,489	116.951,606	12,456	11,989	94	112					
45	63	88.411	8.841,207	107.562,117	12,166	11,699	95						
46	64	87.539	8.317,388	98.720,910	11,869	11,402	96						
47	65	86.604	7.818,089	90.403,522	11,563	11,097	97						
48	66	85.575	7.339,832	82.585,433	11,252	10,785	98						
49	67	84.454	6.882,342	75.245,601	10,933	10,466	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -19 Jahre

Zinsfuß 5,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	19	99.352	99.351,520	1.866.166,717	18,783	18,317	50	69	82.268	6.369,824	65.845,554	10,337	9,870
1	20	98.871	93.939,034	1.766.815,196	18,808	18,341	51	70	80.816	5.945,268	59.475,731	10,004	9,537
2	21	98.800	89.189,002	1.672.876,162	18,757	18,290	52	71	79.255	5.539,574	53.530,463	9,663	9,196
3	22	98.756	84.702,354	1.583.687,160	18,697	18,230	53	72	77.513	5.147,556	47.990,889	9,323	8,856
4	23	98.711	80.440,831	1.498.984,806	18,635	18,168	54	73	75.637	4.772,425	42.843,333	8,977	8,510
5	24	98.672	76.398,155	1.418.543,975	18,568	18,101	55	74	73.593	4.411,834	38.070,908	8,629	8,162
6	25	98.632	72.557,663	1.342.145,820	18,498	18,031	56	75	71.379	4.065,691	33.659,074	8,279	7,812
7	26	98.596	68.913,401	1.269.588,157	18,423	17,956	57	76	68.984	3.733,267	29.593,383	7,927	7,460
8	27	98.556	65.449,502	1.200.674,755	18,345	17,878	58	77	66.408	3.414,563	25.860,116	7,573	7,107
9	28	98.516	62.159,286	1.135.225,253	18,263	17,796	59	78	63.635	3.108,785	22.445,553	7,220	6,753
10	29	98.477	59.035,649	1.073.065,967	18,177	17,710	60	79	60.632	2.814,348	19.336,768	6,871	6,404
11	30	98.439	56.069,191	1.014.030,318	18,085	17,619	61	80	57.428	2.532,643	16.522,421	6,524	6,057
12	31	98.393	53.247,254	957.961,127	17,991	17,524	62	81	53.974	2.261,595	13.989,778	6,186	5,719
13	32	98.345	50.566,539	904.713,873	17,892	17,425	63	82	50.279	2.001,672	11.728,183	5,859	5,392
14	33	98.297	48.020,907	854.147,334	17,787	17,320	64	83	46.350	1.753,215	9.726,511	5,548	5,081
15	34	98.239	45.598,920	806.126,427	17,679	17,212	65	84	42.350	1.521,993	7.973,295	5,239	4,772
16	35	98.170	43.293,863	760.527,507	17,567	17,100	66	85	38.264	1.306,575	6.451,303	4,938	4,471
17	36	98.082	41.097,506	717.233,644	17,452	16,985	67	86	34.273	1.111,926	5.144,728	4,627	4,160
18	37	97.977	39.005,651	676.136,138	17,334	16,868	68	87	30.158	929,607	4.032,802	4,338	3,871
19	38	97.843	37.009,183	637.130,486	17,215	16,749	69	88	25.974	760,705	3.103,195	4,079	3,613
20	39	97.696	35.110,221	600.121,304	17,092	16,626	70	89	21.977	611,533	2.342,490	3,831	3,364
21	40	97.543	33.306,843	565.011,083	16,964	16,497	71	90	18.186	480,792	1.730,957	3,600	3,133
22	41	97.382	31.593,134	531.704,240	16,830	16,363	72	91	14.734	370,105	1.250,164	3,378	2,911
23	42	97.212	29.964,948	500.111,106	16,690	16,223	73	92	11.551	275,686	880,059	3,192	2,725
24	43	97.031	28.417,161	470.146,157	16,544	16,078	74	93	8.823	200,063	604,373	3,021	2,554
25	44	96.835	26.945,067	441.728,996	16,394	15,927	75	94	6.556	141,244	404,310	2,862	2,396
26	45	96.629	25.546,677	414.783,929	16,236	15,770	76	95	4.732	96,874	263,066	2,716	2,249
27	46	96.407	24.216,550	389.237,252	16,073	15,606	77	96	3.315	64,470	166,192	2,578	2,111
28	47	96.165	22.950,850	365.020,702	15,904	15,438	78	97	2.247	41,525	101,722	2,450	1,983
29	48	95.908	21.747,631	342.069,852	15,729	15,262	79	98	1.471	25,820	60,197	2,331	1,865
30	49	95.637	20.604,527	320.322,221	15,546	15,079	80	99	928	15,480	34,377	2,221	1,754
31	50	95.337	19.515,364	299.717,694	15,358	14,891	81	100	563	8,919	18,897	2,119	1,652
32	51	95.021	18.480,460	280.202,330	15,162	14,695	82	101	327	4,931	9,978	2,024	1,557
33	52	94.680	17.495,522	261.721,870	14,959	14,493	83	102	182	2,601	5,047	1,940	1,474
34	53	94.311	16.558,032	244.226,348	14,750	14,283	84	103	97	1,313	2,446	1,863	1,397
35	54	93.923	15.667,444	227.668,316	14,531	14,065	85	104	49	0,633	1,133	1,792	1,325
36	55	93.498	14.818,632	212.000,872	14,306	13,840	86	105	24	0,292	0,501	1,718	1,251
37	56	93.039	14.010,310	197.182,240	14,074	13,607	87	106					
38	57	92.554	13.241,999	183.171,930	13,833	13,366	88	107					
39	58	92.014	12.508,060	169.929,931	13,586	13,119	89	108					
40	59	91.429	11.808,685	157.421,871	13,331	12,864	90	109					
41	60	90.808	11.143,390	145.613,187	13,067	12,600	91	110					
42	61	90.137	10.509,265	134.469,796	12,795	12,329	92	111					
43	62	89.432	9.906,962	123.960,531	12,512	12,046	93	112					
44	63	88.649	9.330,402	114.053,568	12,224	11,757	94						
45	64	87.810	8.781,070	104.723,166	11,926	11,459	95						
46	65	86.899	8.256,564	95.942,096	11,620	11,153	96						
47	66	85.897	7.754,236	87.685,532	11,308	10,841	97						
48	67	84.800	7.273,358	79.931,295	10,990	10,523	98						
49	68	83.595	6.812,383	72.657,937	10,666	10,199	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -20 Jahre

Zinsfuß 5,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	20	99.324	99.323,980	1.861.549,330	18,742	18,275	50	70	81.219	6.288,556	63.227,738	10,054	9,588
1	21	98.840	93.909,363	1.762.225,350	18,765	18,298	51	71	79.668	5.860,765	56.939,182	9,715	9,249
2	22	98.776	89.167,180	1.668.315,987	18,710	18,243	52	72	77.970	5.449,764	51.078,417	9,373	8,906
3	23	98.729	84.679,422	1.579.148,807	18,649	18,182	53	73	76.115	5.054,750	45.628,653	9,027	8,560
4	24	98.685	80.419,843	1.494.469,385	18,583	18,117	54	74	74.096	4.675,200	40.573,903	8,679	8,212
5	25	98.645	76.377,400	1.414.049,542	18,514	18,047	55	75	71.918	4.311,413	35.898,703	8,326	7,860
6	26	98.607	72.539,809	1.337.672,142	18,441	17,974	56	76	69.529	3.960,278	31.587,290	7,976	7,509
7	27	98.568	68.894,108	1.265.132,333	18,363	17,897	57	77	66.987	3.625,195	27.627,012	7,621	7,154
8	28	98.527	65.430,428	1.196.238,225	18,283	17,816	58	78	64.247	3.303,478	24.001,817	7,266	6,799
9	29	98.486	62.140,836	1.130.807,796	18,197	17,731	59	79	61.276	2.993,567	20.698,339	6,914	6,447
10	30	98.448	59.018,369	1.068.666,961	18,107	17,641	60	80	58.082	2.695,959	17.704,772	6,567	6,100
11	31	98.407	56.050,833	1.009.648,592	18,013	17,546	61	81	54.630	2.409,267	15.008,813	6,230	5,763
12	32	98.357	53.228,234	953.597,759	17,915	17,448	62	82	50.965	2.135,525	12.599,546	5,900	5,433
13	33	98.310	50.548,559	900.369,526	17,812	17,345	63	83	47.030	1.872,316	10.464,021	5,589	5,122
14	34	98.258	48.001,719	849.820,967	17,704	17,237	64	84	43.029	1.627,583	8.591,705	5,279	4,812
15	35	98.193	45.577,542	801.819,248	17,592	17,126	65	85	38.946	1.399,683	6.964,122	4,975	4,509
16	36	98.120	43.271,699	756.241,705	17,477	17,010	66	86	34.942	1.193,132	5.564,439	4,664	4,197
17	37	98.027	41.074,267	712.970,007	17,358	16,891	67	87	30.818	999,828	4.371,307	4,372	3,905
18	38	97.917	38.981,733	671.895,740	17,236	16,769	68	88	26.603	820,027	3.371,479	4,111	3,645
19	39	97.774	36.983,294	632.914,007	17,114	16,647	69	89	22.558	660,652	2.551,452	3,862	3,395
20	40	97.618	35.082,124	595.930,713	16,987	16,520	70	90	18.719	520,889	1.890,800	3,630	3,163
21	41	97.458	33.277,866	560.848,589	16,854	16,387	71	91	15.213	402,201	1.369,912	3,406	2,939
22	42	97.286	31.561,905	527.570,723	16,715	16,249	72	92	11.973	300,747	967,710	3,218	2,751
23	43	97.103	29.931,248	496.008,818	16,572	16,105	73	93	9.179	219,063	666,963	3,045	2,578
24	44	96.905	28.380,275	466.077,570	16,423	15,956	74	94	6.847	155,251	447,900	2,885	2,418
25	45	96.700	26.907,559	437.697,295	16,267	15,800	75	95	4.962	106,902	292,649	2,738	2,271
26	46	96.476	25.506,160	410.789,736	16,106	15,639	76	96	3.489	71,417	185,747	2,601	2,134
27	47	96.234	24.173,057	385.283,576	15,939	15,472	77	97	2.377	46,236	114,330	2,473	2,006
28	48	95.978	22.906,219	361.110,519	15,765	15,298	78	98	1.566	28,932	68,094	2,354	1,887
29	49	95.704	21.701,528	338.204,300	15,584	15,118	79	99	994	17,455	39,162	2,244	1,777
30	50	95.407	20.554,937	316.502,772	15,398	14,931	80	100	608	10,141	21,707	2,141	1,674
31	51	95.096	19.466,056	295.947,835	15,203	14,736	81	101	357	5,654	11,566	2,046	1,579
32	52	94.757	18.429,135	276.481,779	15,002	14,536	82	102	201	3,021	5,912	1,957	1,490
33	53	94.393	17.442,629	258.052,644	14,794	14,328	83	103	108	1,538	2,891	1,879	1,412
34	54	94.013	16.505,749	240.610,015	14,577	14,111	84	104	55	0,748	1,352	1,807	1,340
35	55	93.596	15.612,949	224.104,265	14,354	13,887	85	105	27	0,347	0,604	1,740	1,273
36	56	93.144	14.762,516	208.491,316	14,123	13,656	86	106					
37	57	92.666	13.954,063	193.728,800	13,883	13,417	87	107					
38	58	92.141	13.182,899	179.774,738	13,637	13,170	88	108					
39	59	91.570	12.447,826	166.591,839	13,383	12,916	89	109					
40	60	90.965	11.748,652	154.144,013	13,120	12,653	90	110					
41	61	90.308	11.082,054	142.395,361	12,849	12,382	91	111					
42	62	89.629	10.450,126	131.313,307	12,566	12,099	92	112					
43	63	88.869	9.844,619	120.863,181	12,277	11,810	93						
44	64	88.046	9.266,938	111.018,562	11,980	11,513	94						
45	65	87.167	8.716,856	101.751,624	11,673	11,206	95						
46	66	86.190	8.189,130	93.034,768	11,361	10,894	96						
47	67	85.119	7.684,009	84.845,638	11,042	10,575	97						
48	68	83.938	7.199,425	77.161,629	10,718	10,251	98						
49	69	82.639	6.734,466	69.962,204	10,389	9,922	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -21 Jahre

Zinsfuß 5,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	21	99.293	99.292,607	1.856.670,779	18,699	18,232	50	71	80.064	6.199,174	60.513,674	9,762	9,295
1	22	98.815	93.886,386	1.757.378,172	18,718	18,251	51	72	78.376	5.765,748	54.314,501	9,420	8,953
2	23	98.749	89.143,039	1.663.491,785	18,661	18,194	52	73	76.564	5.351,510	48.548,752	9,072	8,605
3	24	98.703	84.657,328	1.574.348,747	18,597	18,130	53	74	74.565	4.951,773	43.197,242	8,724	8,257
4	25	98.658	80.397,995	1.489.691,418	18,529	18,062	54	75	72.409	4.568,784	38.245,470	8,371	7,904
5	26	98.621	76.358,606	1.409.293,423	18,456	17,989	55	76	70.053	4.199,629	33.676,685	8,019	7,552
6	27	98.580	72.519,501	1.332.934,818	18,380	17,914	56	77	67.516	3.845,635	29.477,057	7,665	7,198
7	28	98.539	68.874,030	1.260.415,316	18,300	17,834	57	78	64.808	3.507,259	25.631,422	7,308	6,841
8	29	98.498	65.411,007	1.191.541,286	18,216	17,749	58	79	61.866	3.181,044	22.124,164	6,955	6,488
9	30	98.458	62.122,647	1.126.130,279	18,128	17,661	59	80	58.699	2.867,639	18.943,119	6,606	6,139
10	31	98.416	58.999,045	1.064.007,632	18,034	17,568	60	81	55.252	2.564,627	16.075,480	6,268	5,801
11	32	98.372	56.030,811	1.005.008,587	17,937	17,470	61	82	51.585	2.274,965	13.510,853	5,939	5,472
12	33	98.322	53.209,307	948.977,776	17,835	17,368	62	83	47.672	1.997,518	11.235,888	5,625	5,158
13	34	98.270	50.528,361	895.768,470	17,728	17,261	63	84	43.660	1.738,149	9.238,370	5,315	4,848
14	35	98.212	47.979,215	845.240,109	17,617	17,150	64	85	39.571	1.496,788	7.500,220	5,011	4,544
15	36	98.143	45.554,209	797.260,894	17,501	17,035	65	86	35.565	1.278,156	6.003,432	4,697	4,230
16	37	98.065	43.247,230	751.706,685	17,382	16,915	66	87	31.419	1.072,847	4.725,276	4,404	3,938
17	38	97.967	41.049,080	708.459,455	17,259	16,792	67	88	27.185	881,970	3.652,429	4,141	3,674
18	39	97.849	38.954,464	667.410,375	17,133	16,666	68	89	23.104	712,171	2.770,458	3,890	3,423
19	40	97.696	36.953,698	628.455,911	17,007	16,540	69	90	19.214	562,727	2.058,287	3,658	3,191
20	41	97.533	35.051,603	591.502,213	16,875	16,408	70	91	15.660	435,743	1.495,560	3,432	2,965
21	42	97.362	33.244,972	556.450,610	16,738	16,271	71	92	12.362	326,829	1.059,817	3,243	2,776
22	43	97.176	31.526,408	523.205,638	16,596	16,129	72	93	9.514	238,977	732,989	3,067	2,600
23	44	96.977	29.892,396	491.679,231	16,448	15,982	73	94	7.123	169,995	494,012	2,906	2,439
24	45	96.770	28.340,770	461.786,834	16,294	15,827	74	95	5.182	117,503	324,017	2,758	2,291
25	46	96.547	26.864,884	433.446,065	16,134	15,668	75	96	3.658	78,811	206,514	2,620	2,154
26	47	96.303	25.460,351	406.581,181	15,969	15,502	76	97	2.502	51,218	127,703	2,493	2,027
27	48	96.047	24.126,049	381.120,830	15,797	15,330	77	98	1.656	32,214	76,485	2,374	1,907
28	49	95.775	22.857,659	356.994,781	15,618	15,151	78	99	1.058	19,559	44,271	2,263	1,797
29	50	95.474	21.649,298	334.137,121	15,434	14,967	79	100	651	11,435	24,712	2,161	1,694
30	51	95.166	20.503,002	312.487,823	15,241	14,774	80	101	385	6,429	13,277	2,065	1,598
31	52	94.832	19.411,994	291.984,821	15,041	14,575	81	102	219	3,464	6,848	1,977	1,510
32	53	94.471	18.373,420	272.572,827	14,835	14,368	82	103	119	1,787	3,384	1,894	1,427
33	54	94.095	17.387,554	254.199,407	14,620	14,153	83	104	61	0,877	1,597	1,821	1,355
34	55	93.686	16.448,338	236.811,853	14,397	13,931	84	105	30	0,411	0,720	1,754	1,287
35	56	93.242	15.553,825	220.363,515	14,168	13,701	85	106					
36	57	92.770	14.703,248	204.809,690	13,930	13,463	86	107					
37	58	92.252	13.891,784	190.106,441	13,685	13,218	87	108					
38	59	91.697	13.119,415	176.214,657	13,432	12,965	88	109					
39	60	91.105	12.384,544	163.095,242	13,169	12,702	89	110					
40	61	90.464	11.683,984	150.710,698	12,899	12,432	90	111					
41	62	89.800	11.019,692	139.026,714	12,616	12,149	91	112					
42	63	89.065	10.384,365	128.007,022	12,327	11,860	92						
43	64	88.264	9.777,657	117.622,657	12,030	11,563	93						
44	65	87.402	9.199,171	107.845,000	11,723	11,257	94						
45	66	86.456	8.645,662	98.645,829	11,410	10,943	95						
46	67	85.409	8.114,964	90.000,167	11,091	10,624	96						
47	68	84.254	7.605,901	81.885,203	10,766	10,299	97						
48	69	82.978	7.117,081	74.279,301	10,437	9,970	98						
49	70	81.585	6.648,546	67.162,221	10,102	9,635	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -22 Jahre

Zinsfuß 5,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	22	99.268	99.268,313	1.851.522,354	18,652	18,185	50	72	78.766	6.098,671	57.708,091	9,462	8,996
1	23	98.789	93.860,967	1.752.254,041	18,669	18,202	51	73	76.963	5.661,797	51.609,420	9,115	8,649
2	24	98.723	89.119,781	1.658.393,074	18,609	18,142	52	74	75.004	5.242,487	45.947,623	8,764	8,298
3	25	98.676	84.634,329	1.569.273,293	18,542	18,075	53	75	72.867	4.839,062	40.705,136	8,412	7,945
4	26	98.634	80.378,212	1.484.638,964	18,471	18,004	54	76	70.532	4.450,327	35.866,074	8,059	7,592
5	27	98.593	76.337,228	1.404.260,752	18,395	17,929	55	77	68.025	4.078,056	31.415,747	7,704	7,237
6	28	98.551	72.498,367	1.327.923,524	18,317	17,850	56	78	65.319	3.720,526	27.337,691	7,348	6,881
7	29	98.510	68.853,587	1.255.425,157	18,233	17,766	57	79	62.406	3.377,272	23.617,164	6,993	6,526
8	30	98.469	65.391,861	1.186.571,570	18,146	17,679	58	80	59.264	3.047,230	20.239,892	6,642	6,175
9	31	98.425	62.102,307	1.121.179,709	18,054	17,587	59	81	55.839	2.727,944	17.192,662	6,302	5,836
10	32	98.381	58.977,970	1.059.077,403	17,957	17,490	60	82	52.172	2.421,665	14.464,718	5,973	5,506
11	33	98.337	56.010,887	1.000.099,432	17,855	17,389	61	83	48.251	2.127,947	12.043,054	5,659	5,193
12	34	98.283	53.188,046	944.088,545	17,750	17,283	62	84	44.256	1.854,380	9.915,106	5,347	4,880
13	35	98.224	50.504,672	890.900,499	17,640	17,173	63	85	40.151	1.598,469	8.060,726	5,043	4,576
14	36	98.161	47.954,652	840.395,827	17,525	17,058	64	86	36.135	1.366,830	6.462,257	4,728	4,261
15	37	98.088	45.528,450	792.441,175	17,405	16,939	65	87	31.979	1.149,300	5.095,426	4,434	3,967
16	38	98.004	43.220,710	746.912,726	17,281	16,815	66	88	27.716	946,383	3.946,127	4,170	3,703
17	39	97.898	41.020,365	703.692,015	17,155	16,688	67	89	23.610	765,967	2.999,744	3,916	3,449
18	40	97.770	38.923,291	662.671,650	17,025	16,558	68	90	19.679	606,610	2.233,777	3,682	3,216
19	41	97.611	36.921,549	623.748,360	16,894	16,427	69	91	16.073	470,742	1.627,167	3,457	2,990
20	42	97.436	35.016,955	586.826,811	16,758	16,292	70	92	12.725	354,085	1.156,425	3,266	2,799
21	43	97.253	33.207,582	551.809,856	16,617	16,150	71	93	9.823	259,701	802,340	3,089	2,623
22	44	97.050	31.485,486	518.602,274	16,471	16,004	72	94	7.383	185,448	542,639	2,926	2,459
23	45	96.842	29.850,786	487.116,788	16,318	15,852	73	95	5.391	128,662	357,190	2,776	2,309
24	46	96.617	28.295,821	457.266,002	16,160	15,693	74	96	3.820	86,626	228,528	2,638	2,171
25	47	96.373	26.816,635	428.970,181	15,996	15,530	75	97	2.623	56,520	141,902	2,511	2,044
26	48	96.116	25.410,840	402.153,546	15,826	15,359	76	98	1.743	35,686	85,382	2,393	1,926
27	49	95.843	24.074,903	376.742,707	15,649	15,182	77	99	1.120	21,778	49,696	2,282	1,815
28	50	95.544	22.802,647	352.667,803	15,466	14,999	78	100	693	12,813	27,918	2,179	1,712
29	51	95.233	21.594,599	329.865,156	15,275	14,809	79	101	413	7,249	15,105	2,084	1,617
30	52	94.901	20.446,061	308.270,557	15,077	14,610	80	102	236	3,939	7,857	1,995	1,528
31	53	94.545	19.353,307	287.824,497	14,872	14,405	81	103	129	2,049	3,918	1,912	1,445
32	54	94.172	18.315,405	268.471,189	14,658	14,191	82	104	68	1,019	1,869	1,835	1,368
33	55	93.768	17.327,076	250.155,784	14,437	13,970	83	105	34	0,481	0,850	1,767	1,300
34	56	93.331	16.386,051	232.828,708	14,209	13,742	84	106					
35	57	92.868	15.491,381	216.442,658	13,972	13,505	85	107					
36	58	92.356	14.637,627	200.951,277	13,728	13,262	86	108					
37	59	91.808	13.824,887	186.313,650	13,477	13,010	87	109					
38	60	91.231	13.052,719	172.488,764	13,215	12,748	88	110					
39	61	90.604	12.316,376	159.436,045	12,945	12,478	89	111					
40	62	89.955	11.618,234	147.119,669	12,663	12,196	90	112					
41	63	89.235	10.950,346	135.501,435	12,374	11,907	91						
42	64	88.459	10.313,732	124.551,089	12,076	11,609	92						
43	65	87.619	9.706,155	114.237,357	11,770	11,303	93						
44	66	86.688	9.124,038	104.531,202	11,457	10,990	94						
45	67	85.673	8.567,362	95.407,164	11,136	10,669	95						
46	68	84.541	8.032,476	86.839,802	10,811	10,344	96						
47	69	83.290	7.518,908	78.807,326	10,481	10,014	97						
48	70	81.919	7.026,280	71.288,418	10,146	9,679	98						
49	71	80.425	6.554,047	64.262,138	9,805	9,338	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -23 Jahre

Zinsfuß 5,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	23	99.241	99.241,437	1.846.083,406	18,602	18,135	50	73	77.346	5.988,717	54.819,212	9,154	8,687
1	24	98.763	93.836,478	1.746.841,969	18,616	18,149	51	74	75.395	5.546,453	48.830,495	8,804	8,337
2	25	98.696	89.095,569	1.653.005,491	18,553	18,086	52	75	73.297	5.123,159	43.284,042	8,449	7,982
3	26	98.652	84.613,503	1.563.909,922	18,483	18,016	53	76	70.978	4.713,597	38.160,883	8,096	7,629
4	27	98.606	80.355,709	1.479.296,418	18,409	17,943	54	77	68.490	4.321,497	33.447,286	7,740	7,273
5	28	98.564	76.314,981	1.398.940,709	18,331	17,864	55	78	65.812	3.945,387	29.125,789	7,382	6,915
6	29	98.522	72.476,848	1.322.625,728	18,249	17,782	56	79	62.899	3.582,636	25.180,402	7,028	6,562
7	30	98.481	68.833,433	1.250.148,880	18,162	17,695	57	80	59.781	3.235,203	21.597,766	6,676	6,209
8	31	98.437	65.370,451	1.181.315,447	18,071	17,604	58	81	56.377	2.898,786	18.362,563	6,335	5,868
9	32	98.390	62.080,123	1.115.944,997	17,976	17,509	59	82	52.727	2.575,878	15.463,777	6,003	5,537
10	33	98.346	58.956,999	1.053.864,874	17,875	17,408	60	83	48.801	2.265,167	12.887,899	5,690	5,223
11	34	98.297	55.988,507	994.907,875	17,770	17,303	61	84	44.794	1.975,463	10.622,732	5,377	4,911
12	35	98.237	53.163,110	938.919,368	17,661	17,194	62	85	40.699	1.705,360	8.647,269	5,071	4,604
13	36	98.174	50.478,816	885.756,258	17,547	17,080	63	86	36.665	1.459,683	6.941,910	4,756	4,289
14	37	98.106	47.927,535	835.277,442	17,428	16,961	64	87	32.492	1.229,034	5.482,227	4,461	3,994
15	38	98.028	45.500,531	787.349,907	17,304	16,837	65	88	28.210	1.013,823	4.253,193	4,195	3,728
16	39	97.936	43.190,477	741.849,376	17,176	16,709	66	89	24.070	821,908	3.239,370	3,941	3,474
17	40	97.820	40.987,538	698.658,899	17,046	16,579	67	90	20.110	652,432	2.417,462	3,705	3,239
18	41	97.685	38.889,428	657.671,361	16,911	16,445	68	91	16.463	507,452	1.765,030	3,478	3,011
19	42	97.515	36.885,052	618.781,933	16,776	16,309	69	92	13.061	382,525	1.257,578	3,288	2,821
20	43	97.327	34.977,572	581.896,880	16,636	16,169	70	93	10.111	281,359	875,053	3,110	2,643
21	44	97.126	33.164,478	546.919,308	16,491	16,024	71	94	7.623	201,531	593,693	2,946	2,479
22	45	96.915	31.441,658	513.754,830	16,340	15,873	72	95	5.588	140,358	392,163	2,794	2,327
23	46	96.689	29.803,442	482.313,172	16,183	15,716	73	96	3.974	94,853	251,805	2,655	2,188
24	47	96.443	28.245,002	452.509,730	16,021	15,554	74	97	2.740	62,125	156,952	2,526	2,060
25	48	96.186	26.764,486	424.264,728	15,852	15,385	75	98	1.828	39,380	94,827	2,408	1,941
26	49	95.912	25.356,970	397.500,242	15,676	15,209	76	99	1.179	24,125	55,447	2,298	1,832
27	50	95.613	24.016,962	372.143,272	15,495	15,028	77	100	734	14,266	31,322	2,196	1,729
28	51	95.303	22.745,033	348.126,310	15,306	14,839	78	101	440	8,123	17,056	2,100	1,633
29	52	94.968	21.534,625	325.381,276	15,110	14,643	79	102	253	4,441	8,933	2,011	1,545
30	53	94.615	20.384,248	303.846,651	14,906	14,439	80	103	140	2,329	4,492	1,928	1,461
31	54	94.247	19.292,199	283.462,403	14,693	14,226	81	104	74	1,168	2,162	1,851	1,385
32	55	93.845	18.251,700	264.170,204	14,474	14,007	82	105	37	0,559	0,994	1,779	1,312
33	56	93.413	17.261,460	245.918,505	14,247	13,780	83	106					
34	57	92.956	16.320,265	228.657,044	14,011	13,544	84	107					
35	58	92.453	15.422,241	212.336,779	13,768	13,301	85	108					
36	59	91.912	14.567,137	196.914,538	13,518	13,051	86	109					
37	60	91.341	13.754,604	182.347,400	13,257	12,790	87	110					
38	61	90.729	12.980,873	168.592,797	12,988	12,521	88	111					
39	62	90.094	12.247,068	155.611,923	12,706	12,239	89	112					
40	63	89.389	11.545,122	143.364,856	12,418	11,951	90						
41	64	88.628	10.875,863	131.819,734	12,120	11,654	91						
42	65	87.813	10.238,309	120.943,870	11,813	11,346	92						
43	66	86.903	9.626,881	110.705,561	11,500	11,033	93						
44	67	85.903	9.041,405	101.078,679	11,180	10,713	94						
45	68	84.802	8.480,275	92.037,274	10,853	10,386	95						
46	69	83.574	7.940,604	83.556,999	10,523	10,056	96						
47	70	82.228	7.422,981	75.616,396	10,187	9,720	97						
48	71	80.755	6.926,411	68.193,415	9,845	9,379	98						
49	72	79.121	6.447,791	61.267,003	9,502	9,035	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -24 Jahre

Zinsfuß 5,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	24	99.216	99.215,545	1.840.342,418	18,549	18,082	50	74	75.770	5.866,713	51.854,004	8,839	8,372
1	25	98.736	93.810,985	1.741.126,873	18,560	18,093	51	75	73.679	5.420,206	45.987,291	8,484	8,018
2	26	98.672	89.073,645	1.647.315,888	18,494	18,027	52	76	71.397	4.990,328	40.567,085	8,129	7,662
3	27	98.624	84.589,815	1.558.242,243	18,421	17,954	53	77	68.923	4.577,146	35.576,756	7,773	7,306
4	28	98.578	80.332,291	1.473.652,428	18,344	17,878	54	78	66.262	4.180,908	30.999,610	7,415	6,948
5	29	98.535	76.292,329	1.393.320,137	18,263	17,796	55	79	63.373	3.799,162	26.818,702	7,059	6,592
6	30	98.493	72.455,633	1.317.027,808	18,177	17,710	56	80	60.253	3.431,928	23.019,540	6,707	6,241
7	31	98.449	68.810,896	1.244.572,175	18,087	17,620	57	81	56.869	3.077,602	19.587,612	6,365	5,898
8	32	98.402	65.347,100	1.175.761,279	17,993	17,526	58	82	53.234	2.737,197	16.510,009	6,032	5,565
9	33	98.355	62.058,049	1.110.414,179	17,893	17,426	59	83	49.319	2.409,414	13.772,812	5,716	5,249
10	34	98.307	58.933,441	1.048.356,130	17,789	17,322	60	84	45.304	2.102,850	11.363,399	5,404	4,937
11	35	98.251	55.962,258	989.422,689	17,680	17,213	61	85	41.194	1.816,712	9.260,549	5,097	4,631
12	36	98.187	53.135,893	933.460,431	17,567	17,101	62	86	37.166	1.557,292	7.443,837	4,780	4,313
13	37	98.118	50.450,272	880.324,538	17,449	16,983	63	87	32.969	1.312,526	5.886,545	4,485	4,018
14	38	98.046	47.898,145	829.874,266	17,326	16,859	64	88	28.662	1.084,158	4.574,019	4,219	3,752
15	39	97.959	45.468,702	781.976,120	17,198	16,731	65	89	24.499	880,478	3.489,861	3,964	3,497
16	40	97.857	43.155,913	736.507,418	17,066	16,599	66	90	20.503	700,081	2.609,383	3,727	3,260
17	41	97.735	40.951,880	693.351,505	16,931	16,464	67	91	16.823	545,784	1.909,303	3,498	3,031
18	42	97.589	38.850,986	652.399,625	16,792	16,326	68	92	13.378	412,356	1.363,518	3,307	2,840
19	43	97.405	36.843,569	613.548,639	16,653	16,186	69	93	10.379	303,958	951,163	3,129	2,662
20	44	97.200	34.932,171	576.705,070	16,509	16,042	70	94	7.846	218,338	647,204	2,964	2,497
21	45	96.991	33.118,313	541.772,899	16,359	15,892	71	95	5.769	152,530	428,867	2,812	2,345
22	46	96.761	31.391,791	508.654,587	16,203	15,737	72	96	4.119	103,475	276,336	2,671	2,204
23	47	96.515	29.749,916	477.262,795	16,042	15,576	73	97	2.850	68,025	172,861	2,541	2,074
24	48	96.256	28.190,076	447.512,880	15,875	15,408	74	98	1.909	43,285	104,836	2,422	1,955
25	49	95.982	26.707,747	419.322,804	15,700	15,234	75	99	1.236	26,622	61,551	2,312	1,845
26	50	95.681	25.295,943	392.615,057	15,521	15,054	76	100	772	15,803	34,929	2,210	1,743
27	51	95.371	23.956,280	367.319,114	15,333	14,866	77	101	465	9,044	19,125	2,115	1,648
28	52	95.038	22.681,865	343.362,834	15,138	14,671	78	102	269	4,977	10,081	2,026	1,559
29	53	94.681	21.469,522	320.680,969	14,937	14,470	79	103	150	2,627	5,104	1,943	1,477
30	54	94.316	20.319,884	299.211,447	14,725	14,258	80	104	80	1,328	2,478	1,866	1,399
31	55	93.919	19.225,096	278.891,563	14,507	14,040	81	105	40	0,641	1,150	1,794	1,327
32	56	93.490	18.182,583	259.666,468	14,281	13,814	82	106					
33	57	93.038	17.192,160	241.483,884	14,046	13,579	83	107					
34	58	92.541	16.247,427	224.291,724	13,805	13,338	84	108					
35	59	92.008	15.347,973	208.044,297	13,555	13,088	85	109					
36	60	91.444	14.493,081	192.696,324	13,296	12,829	86	110					
37	61	90.838	13.678,895	178.203,243	13,028	12,561	87	111					
38	62	90.218	12.907,825	164.524,348	12,746	12,279	88	112					
39	63	89.527	12.169,998	151.616,522	12,458	11,991	89						
40	64	88.781	11.466,594	139.446,524	12,161	11,694	90						
41	65	87.980	10.796,330	127.979,930	11,854	11,387	91						
42	66	87.095	10.154,689	117.183,600	11,540	11,073	92						
43	67	86.116	9.539,695	107.028,911	11,219	10,753	93						
44	68	85.030	8.949,499	97.489,216	10,893	10,426	94						
45	69	83.832	8.383,281	88.539,717	10,561	10,095	95						
46	70	82.508	7.839,296	80.156,435	10,225	9,758	96						
47	71	81.059	7.317,474	72.317,140	9,883	9,416	97						
48	72	79.446	6.814,119	64.999,666	9,539	9,072	98						
49	73	77.695	6.331,543	58.185,547	9,190	8,723	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -25 Jahre

Zinsfuß 5,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	25	99.189	99.188,590	1.834.283,526	18,493	18,026	50	75	74.046	5.733,177	48.822,595	8,516	8,049
1	26	98.712	93.787,901	1.735.094,936	18,500	18,033	51	76	71.769	5.279,673	43.089,419	8,161	7,695
2	27	98.644	89.048,708	1.641.307,035	18,432	17,965	52	77	69.330	4.845,867	37.809,745	7,802	7,336
3	28	98.596	84.565,163	1.552.258,327	18,356	17,889	53	78	66.681	4.428,240	32.963,879	7,444	6,977
4	29	98.548	80.308,446	1.467.693,164	18,276	17,809	54	79	63.806	4.025,955	28.535,639	7,088	6,621
5	30	98.506	76.269,998	1.387.384,717	18,190	17,724	55	80	60.707	3.639,346	24.509,684	6,735	6,268
6	31	98.461	72.431,910	1.311.114,719	18,101	17,635	56	81	57.317	3.264,744	20.870,337	6,393	5,926
7	32	98.414	68.786,316	1.238.682,810	18,008	17,541	57	82	53.699	2.906,045	17.605,593	6,058	5,591
8	33	98.367	65.323,864	1.169.896,494	17,909	17,442	58	83	49.794	2.560,308	14.699,548	5,741	5,275
9	34	98.316	62.033,252	1.104.572,630	17,806	17,339	59	84	45.785	2.236,760	12.139,241	5,427	4,960
10	35	98.261	58.905,812	1.042.539,378	17,698	17,232	60	85	41.663	1.933,861	9.902,481	5,121	4,654
11	36	98.201	55.933,608	983.633,566	17,586	17,119	61	86	37.617	1.658,977	7.968,619	4,803	4,337
12	37	98.131	53.105,847	927.699,958	17,469	17,002	62	87	33.419	1.400,295	6.309,643	4,506	4,039
13	38	98.058	50.419,335	874.594,111	17,346	16,880	63	88	29.082	1.157,808	4.909,348	4,240	3,773
14	39	97.977	47.864,640	824.174,776	17,219	16,752	64	89	24.892	941,562	3.751,540	3,984	3,518
15	40	97.881	45.432,316	776.310,136	17,087	16,620	65	90	20.868	749,969	2.809,977	3,747	3,280
16	41	97.772	43.118,368	730.877,820	16,950	16,484	66	91	17.151	585,644	2.060,008	3,518	3,051
17	42	97.638	40.911,399	687.759,452	16,811	16,344	67	92	13.670	443,504	1.474,364	3,324	2,858
18	43	97.479	38.807,292	646.848,053	16,668	16,201	68	93	10.630	327,662	1.030,860	3,146	2,679
19	44	97.279	36.795,745	608.040,761	16,525	16,058	69	94	8.054	235,874	703,198	2,981	2,514
20	45	97.065	34.883,545	571.245,016	16,376	15,909	70	95	5.939	165,251	467,324	2,828	2,361
21	46	96.837	33.065,787	536.361,471	16,221	15,754	71	96	4.253	112,449	302,073	2,686	2,220
22	47	96.588	31.335,412	503.295,684	16,062	15,595	72	97	2.954	74,209	189,624	2,555	2,088
23	48	96.327	29.692,063	471.960,272	15,895	15,428	73	98	1.986	47,396	115,415	2,435	1,968
24	49	96.052	28.130,315	442.268,210	15,722	15,255	74	99	1.290	29,262	68,019	2,324	1,858
25	50	95.751	26.643,469	414.137,895	15,544	15,077	75	100	809	17,439	38,757	2,222	1,756
26	51	95.439	25.232,030	387.494,426	15,357	14,890	76	101	489	10,019	21,317	2,128	1,661
27	52	95.106	23.889,748	362.262,396	15,164	14,697	77	102	285	5,541	11,299	2,039	1,572
28	53	94.751	22.613,293	338.372,649	14,963	14,497	78	103	159	2,943	5,757	1,956	1,489
29	54	94.382	21.401,731	315.759,356	14,754	14,287	79	104	85	1,497	2,814	1,879	1,413
30	55	93.988	20.249,206	294.357,625	14,537	14,070	80	105	44	0,729	1,317	1,807	1,340
31	56	93.563	19.152,293	274.108,419	14,312	13,845	81	106					
32	57	93.114	18.109,585	254.956,126	14,079	13,612	82	107					
33	58	92.623	17.115,430	236.846,540	13,838	13,371	83	108					
34	59	92.096	16.169,185	219.731,110	13,589	13,123	84	109					
35	60	91.540	15.269,948	203.561,925	13,331	12,864	85	110					
36	61	90.941	14.413,307	188.291,977	13,064	12,597	86	111					
37	62	90.327	13.601,919	173.878,670	12,783	12,317	87	112					
38	63	89.650	12.826,598	160.276,751	12,496	12,029	88						
39	64	88.918	12.087,220	147.450,153	12,199	11,732	89						
40	65	88.131	11.382,741	135.362,933	11,892	11,425	90						
41	66	87.261	10.708,153	123.980,192	11,578	11,111	91						
42	67	86.307	10.062,723	113.272,040	11,257	10,790	92						
43	68	85.241	9.442,724	103.209,317	10,930	10,463	93						
44	69	84.057	8.847,139	93.766,593	10,599	10,132	94						
45	70	82.762	8.276,326	84.919,455	10,261	9,794	95						
46	71	81.335	7.727,872	76.643,129	9,918	9,451	96						
47	72	79.745	7.198,841	68.915,257	9,573	9,106	97						
48	73	78.013	6.691,266	61.716,416	9,223	8,757	98						
49	74	76.112	6.202,555	55.025,150	8,871	8,405	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 1 Jahr

Zinsfuß 5,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	49	91.859	7.112,405	97.526,064	13,712	13,245
1	0	99.544	94.578,404	1.818.071,804	19,223	18,756	51	50	91.184	6.707,960	90.413,659	13,479	13,012
2	1	99.126	89.483,356	1.723.493,400	19,260	18,794	52	51	90.482	6.324,320	83.705,699	13,236	12,769
3	2	99.070	84.972,255	1.634.010,045	19,230	18,763	53	52	89.702	5.957,023	77.381,380	12,990	12,523
4	3	99.033	80.703,047	1.549.037,789	19,194	18,727	54	53	88.868	5.607,301	71.424,356	12,738	12,271
5	4	99.002	76.654,037	1.468.334,742	19,155	18,689	55	54	87.986	5.274,719	65.817,056	12,478	12,011
6	5	98.976	72.811,060	1.391.680,705	19,114	18,647	56	55	87.024	4.956,674	60.542,337	12,214	11,747
7	6	98.952	69.162,050	1.318.869,645	19,069	18,602	57	56	86.015	4.654,967	55.585,542	11,941	11,474
8	7	98.930	65.697,993	1.249.707,595	19,022	18,555	58	57	84.929	4.366,899	50.930,576	11,663	11,196
9	8	98.910	62.408,038	1.184.009,602	18,972	18,505	59	58	83.744	4.091,191	46.563,676	11,381	10,915
10	9	98.891	59.283,808	1.121.601,564	18,919	18,452	60	59	82.465	3.827,737	42.472,486	11,096	10,629
11	10	98.875	56.317,726	1.062.317,756	18,863	18,396	61	60	81.122	3.577,580	38.644,749	10,802	10,335
12	11	98.853	53.496,299	1.006.000,030	18,805	18,338	62	61	79.706	3.339,813	35.067,169	10,500	10,033
13	12	98.831	50.816,434	952.503,730	18,744	18,277	63	62	78.190	3.112,860	31.727,356	10,192	9,726
14	13	98.809	48.271,287	901.687,296	18,680	18,213	64	63	76.575	2.896,504	28.614,496	9,879	9,412
15	14	98.782	45.850,552	853.416,009	18,613	18,146	65	64	74.854	2.690,168	25.717,992	9,560	9,093
16	15	98.747	43.548,119	807.565,457	18,544	18,077	66	65	73.005	2.492,852	23.027,824	9,238	8,771
17	16	98.691	41.352,647	764.017,339	18,476	18,009	67	66	71.024	2.304,210	20.534,972	8,912	8,445
18	17	98.620	39.261,695	722.664,691	18,406	17,940	68	67	68.873	2.122,977	18.230,762	8,587	8,121
19	18	98.524	37.266,778	683.402,996	18,338	17,871	69	68	66.561	1.949,378	16.107,785	8,263	7,796
20	19	98.416	35.369,172	646.136,219	18,268	17,802	70	69	64.105	1.783,806	14.158,407	7,937	7,470
21	20	98.314	33.570,057	610.767,047	18,194	17,727	71	70	61.483	1.625,488	12.374,602	7,613	7,146
22	21	98.206	31.860,466	577.196,989	18,116	17,650	72	71	58.700	1.474,512	10.749,114	7,290	6,823
23	22	98.108	30.241,002	545.336,524	18,033	17,566	73	72	55.716	1.329,727	9.274,602	6,975	6,508
24	23	98.009	28.703,473	515.095,522	17,945	17,479	74	73	52.589	1.192,504	7.944,875	6,662	6,196
25	24	97.912	27.244,811	486.392,048	17,853	17,386	75	74	49.330	1.062,815	6.752,371	6,353	5,886
26	25	97.814	25.859,844	459.147,238	17,755	17,288	76	75	45.979	941,190	5.689,557	6,045	5,578
27	26	97.720	24.546,310	433.287,394	17,652	17,185	77	76	42.552	827,603	4.748,367	5,737	5,271
28	27	97.623	23.298,706	408.741,084	17,544	17,077	78	77	39.059	721,764	3.920,764	5,432	4,965
29	28	97.522	22.113,820	385.442,377	17,430	16,963	79	78	35.494	623,179	3.199,000	5,133	4,667
30	29	97.425	20.989,746	363.328,557	17,310	16,843	80	79	31.903	532,181	2.575,821	4,840	4,373
31	30	97.325	19.922,349	342.338,811	17,184	16,717	81	80	28.289	448,368	2.043,640	4,558	4,091
32	31	97.217	18.907,457	322.416,462	17,052	16,586	82	81	24.702	371,977	1.595,272	4,289	3,822
33	32	97.102	17.943,201	303.509,005	16,915	16,448	83	82	21.136	302,397	1.223,294	4,045	3,579
34	33	96.983	17.027,161	285.565,804	16,771	16,304	84	83	17.755	241,362	920,897	3,815	3,349
35	34	96.851	16.155,915	268.538,643	16,622	16,155	85	84	14.665	189,416	679,535	3,588	3,121
36	35	96.705	15.326,786	252.382,727	16,467	16,000	86	85	11.920	146,272	490,120	3,351	2,884
37	36	96.546	14.538,381	237.055,942	16,306	15,839	87	86	9.443	110,098	343,847	3,123	2,656
38	37	96.375	13.788,699	222.517,560	16,138	15,671	88	87	7.216	79,935	233,749	2,924	2,457
39	38	96.183	13.074,827	208.728,861	15,964	15,497	89	88	5.312	55,908	153,814	2,751	2,284
40	39	95.968	12.394,815	195.654,034	15,785	15,318	90	89	3.784	37,838	97,906	2,588	2,121
41	40	95.726	11.746,857	183.259,219	15,601	15,134	91	90	2.598	24,681	60,068	2,434	1,967
42	41	95.461	11.130,016	171.512,362	15,410	14,943	92	91	1.711	15,444	35,388	2,291	1,825
43	42	95.156	10.541,084	160.382,346	15,215	14,748	93	92	1.071	9,182	19,944	2,172	1,705
44	43	94.814	9.979,252	149.841,262	15,015	14,548	94	93	640	5,216	10,761	2,063	1,597
45	44	94.436	9.443,763	139.862,010	14,810	14,343	95	94	365	2,823	5,546	1,965	1,498
46	45	94.015	8.932,636	130.418,247	14,600	14,133	96	95	197	1,452	2,723	1,875	1,408
47	46	93.547	8.444,842	121.485,612	14,386	13,919	97	96	101	0,709	1,270	1,793	1,326
48	47	93.029	7.979,174	113.040,769	14,167	13,700	98	97	49	0,327	0,562	1,719	1,252
49	48	92.469	7.535,531	105.061,595	13,942	13,475	99	98	23	0,142	0,235	1,651	1,184
							100	99	10	0,058	0,093	1,590	1,123

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 2 Jahre

Zinsfuß 5,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	48	92.054	7.127,514	98.262,618	13,786	13,320
1							51	49	91.404	6.724,143	91.135,104	13,553	13,087
2	0	99.504	89.824,413	1.724.978,772	19,204	18,737	52	50	90.711	6.340,339	84.410,961	13,313	12,847
3	1	99.106	85.002,698	1.635.154,358	19,236	18,770	53	51	89.952	5.973,614	78.070,622	13,069	12,602
4	2	99.052	80.719,006	1.550.151,660	19,204	18,738	54	52	89.138	5.624,304	72.097,008	12,819	12,352
5	3	99.019	76.667,197	1.469.432,654	19,166	18,700	55	53	88.265	5.291,427	66.472,704	12,562	12,096
6	4	98.989	72.820,466	1.392.765,457	19,126	18,659	56	54	87.328	4.974,096	61.181,277	12,300	11,833
7	5	98.964	69.171,092	1.319.944,992	19,082	18,616	57	55	86.342	4.672,661	56.207,182	12,029	11,562
8	6	98.939	65.704,047	1.250.773,900	19,036	18,570	58	56	85.271	4.384,502	51.534,520	11,754	11,287
9	7	98.918	62.413,474	1.185.069,853	18,987	18,521	59	57	84.119	4.109,532	47.150,018	11,473	11,007
10	8	98.901	59.289,499	1.122.656,379	18,935	18,468	60	58	82.864	3.846,259	43.400,486	11,190	10,723
11	9	98.882	56.321,366	1.063.366,879	18,880	18,414	61	59	81.536	3.595,860	39.194,227	10,900	10,433
12	10	98.861	53.500,798	1.007.045,514	18,823	18,356	62	60	80.147	3.358,298	35.598,367	10,600	10,133
13	11	98.840	50.821,200	953.544,715	18,763	18,296	63	61	78.633	3.130,476	32.240,069	10,299	9,832
14	12	98.818	48.275,387	902.723,515	18,699	18,233	64	62	77.060	2.914,847	29.109,592	9,987	9,520
15	13	98.791	45.854,995	854.448,128	18,634	18,167	65	63	75.367	2.708,591	26.194,745	9,671	9,204
16	14	98.758	43.553,194	808.593,133	18,566	18,099	66	64	73.543	2.511,216	23.486,154	9,353	8,886
17	15	98.709	41.360,037	765.039,940	18,497	18,030	67	65	71.609	2.323,185	20.974,938	9,029	8,562
18	16	98.641	39.270,012	723.679,903	18,428	17,962	68	66	69.502	2.142,379	18.651,754	8,706	8,239
19	17	98.546	37.274,979	684.409,891	18,361	17,894	69	67	67.245	1.969,396	16.509,374	8,383	7,916
20	18	98.445	35.379,347	647.134,913	18,291	17,825	70	68	64.847	1.804,444	14.539,978	8,058	7,591
21	19	98.341	33.579,366	611.755,566	18,218	17,751	71	69	62.277	1.646,494	12.735,534	7,735	7,268
22	20	98.237	31.870,532	578.176,200	18,141	17,675	72	70	59.547	1.495,772	11.089,040	7,414	6,947
23	21	98.132	30.248,403	546.305,668	18,061	17,594	73	71	56.634	1.351,640	9.593,268	7,098	6,631
24	22	98.035	28.711,247	516.057,265	17,974	17,507	74	72	53.555	1.214,398	8.241,628	6,787	6,320
25	23	97.938	27.251,921	487.346,018	17,883	17,416	75	73	50.356	1.084,917	7.027,229	6,477	6,010
26	24	97.840	25.866,871	460.094,097	17,787	17,320	76	74	47.050	963,112	5.942,312	6,170	5,703
27	25	97.744	24.552,351	434.227,226	17,686	17,219	77	75	43.685	849,632	4.979,201	5,860	5,394
28	26	97.650	23.305,231	409.674,875	17,579	17,112	78	76	40.223	743,281	4.129,569	5,556	5,089
29	27	97.551	22.120,267	386.369,644	17,467	17,000	79	77	36.688	644,134	3.386,288	5,257	4,790
30	28	97.454	20.995,978	364.249,377	17,349	16,882	80	78	33.131	552,664	2.742,154	4,962	4,495
31	29	97.354	19.928,182	343.253,399	17,225	16,758	81	79	29.532	468,057	2.189,490	4,678	4,211
32	30	97.248	18.913,650	323.325,216	17,095	16,628	82	80	25.967	391,026	1.721,432	4,402	3,936
33	31	97.137	17.949,613	304.411,566	16,959	16,492	83	81	22.383	320,249	1.330,406	4,154	3,687
34	32	97.017	17.033,217	286.461,954	16,818	16,351	84	82	18.982	258,037	1.010,157	3,915	3,448
35	33	96.890	16.162,374	269.428,736	16,670	16,203	85	83	15.797	204,036	752,120	3,686	3,219
36	34	96.750	15.333,975	253.266,363	16,517	16,050	86	84	12.961	159,054	548,083	3,446	2,979
37	35	96.595	14.545,828	237.932,388	16,357	15,891	87	85	10.341	120,566	389,029	3,227	2,760
38	36	96.429	13.796,501	223.386,560	16,192	15,725	88	86	8.025	88,897	268,463	3,020	2,553
39	37	96.242	13.082,850	209.590,059	16,020	15,553	89	87	6.022	63,379	179,565	2,833	2,366
40	38	96.035	12.403,492	196.507,210	15,843	15,376	90	88	4.357	43,568	116,187	2,667	2,200
41	39	95.802	11.756,265	184.103,718	15,660	15,193	91	89	3.050	28,976	72,619	2,506	2,039
42	40	95.544	11.139,707	172.347,453	15,471	15,005	92	90	2.045	18,462	43,643	2,364	1,897
43	41	95.250	10.551,514	161.207,746	15,278	14,811	93	91	1.317	11,300	25,181	2,228	1,762
44	42	94.920	9.990,488	150.656,232	15,080	14,613	94	92	805	6,564	13,881	2,115	1,648
45	43	94.559	9.456,037	140.665,744	14,876	14,409	95	93	470	3,638	7,318	2,012	1,545
46	44	94.146	8.945,087	131.209,707	14,668	14,202	96	94	261	1,919	3,680	1,918	1,451
47	45	93.696	8.458,257	122.264,620	14,455	13,988	97	95	137	0,961	1,761	1,832	1,365
48	46	93.197	7.993,531	113.806,362	14,237	13,771	98	96	69	0,456	0,800	1,754	1,288
49	47	92.649	7.550,213	105.812,832	14,015	13,548	99	97	32	0,204	0,344	1,684	1,217
							100	98	14	0,086	0,140	1,619	1,153

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 3 Jahre

Zinsfuß 5,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	47	92.234	7.141,402	98.943,217	13,855	13,388
1							51	48	91.598	6.738,428	91.801,815	13,624	13,157
2							52	49	90.930	6.355,636	85.063,387	13,384	12,917
3	0	99.484	85.326,678	1.636.531,965	19,180	18,713	53	50	90.179	5.988,745	78.707,752	13,143	12,676
4	1	99.088	80.747,925	1.551.205,287	19,210	18,744	54	51	89.386	5.639,968	72.719,007	12,894	12,427
5	2	99.039	76.682,358	1.470.457,362	19,176	18,709	55	52	88.533	5.307,472	67.079,039	12,639	12,172
6	3	99.006	72.832,967	1.393.775,004	19,137	18,670	56	53	87.604	4.989,851	61.771,567	12,379	11,913
7	4	98.977	69.180,027	1.320.942,037	19,094	18,627	57	54	86.644	4.688,971	56.781,715	12,110	11,643
8	5	98.952	65.712,637	1.251.762,010	19,049	18,582	58	55	85.595	4.401,168	52.092,745	11,836	11,369
9	6	98.928	62.419,226	1.186.049,373	19,001	18,535	59	56	84.459	4.126,097	47.691,576	11,559	11,092
10	7	98.909	59.294,663	1.123.630,147	18,950	18,483	60	57	83.235	3.863,502	43.565,479	11,276	10,809
11	8	98.891	56.326,773	1.064.335,484	18,896	18,429	61	58	81.931	3.613,260	39.701,977	10,988	10,521
12	9	98.868	53.504,255	1.008.008,711	18,840	18,373	62	59	80.557	3.375,458	36.088,716	10,692	10,225
13	10	98.848	50.825,474	954.504,456	18,780	18,313	63	60	79.068	3.147,803	32.713,258	10,392	9,926
14	11	98.827	48.279,915	903.678,982	18,717	18,251	64	61	77.496	2.931,343	29.565,456	10,086	9,619
15	12	98.800	45.858,889	855.399,067	18,653	18,186	65	62	75.844	2.725,744	26.634,113	9,771	9,305
16	13	98.768	43.557,414	809.540,177	18,586	18,119	66	63	74.047	2.528,414	23.908,369	9,456	8,989
17	14	98.720	41.364,857	765.982,763	18,518	18,051	67	64	72.136	2.340,299	21.379,955	9,136	8,669
18	15	98.659	39.277,029	724.617,906	18,449	17,982	68	65	70.075	2.160,021	19.039,656	8,815	8,348
19	16	98.567	37.282,874	685.340,877	18,382	17,915	69	66	67.859	1.987,395	16.879,635	8,493	8,027
20	17	98.466	35.387,133	648.058,003	18,313	17,847	70	67	65.513	1.822,975	14.892,240	8,169	7,702
21	18	98.370	33.589,025	612.670,870	18,240	17,773	71	68	62.998	1.665,544	13.069,265	7,847	7,380
22	19	98.264	31.879,369	579.081,845	18,165	17,698	72	69	60.316	1.515,102	11.403,722	7,527	7,060
23	20	98.163	30.257,960	547.202,475	18,085	17,618	73	70	57.450	1.371,129	9.888,620	7,212	6,745
24	21	98.059	28.718,273	516.944,515	18,001	17,534	74	71	54.437	1.234,411	8.517,491	6,900	6,433
25	22	97.964	27.259,301	488.226,242	17,910	17,444	75	72	51.281	1.104,836	7.283,080	6,592	6,125
26	23	97.866	25.873,622	460.966,941	17,816	17,349	76	73	48.028	983,141	6.178,244	6,284	5,817
27	24	97.771	24.559,023	435.093,319	17,716	17,249	77	74	44.703	869,421	5.195,103	5,975	5,509
28	25	97.674	23.310,967	410.534,295	17,611	17,144	78	75	41.294	763,065	4.325,682	5,669	5,202
29	26	97.578	22.126,462	387.223,328	17,500	17,034	79	76	37.782	663,336	3.562,616	5,371	4,904
30	27	97.482	21.002,099	365.096,867	17,384	16,917	80	77	34.245	571,248	2.899,280	5,075	4,609
31	28	97.383	19.934,099	344.094,768	17,262	16,795	81	78	30.668	486,072	2.328,031	4,789	4,323
32	29	97.277	18.919,188	324.160,669	17,134	16,667	82	79	27.107	408,197	1.841,959	4,512	4,046
33	30	97.169	17.955,492	305.241,481	17,000	16,533	83	80	23.529	336,649	1.433,762	4,259	3,792
34	31	97.052	17.039,304	287.285,989	16,860	16,393	84	81	20.102	273,271	1.097,113	4,015	3,548
35	32	96.924	16.168,123	270.246,686	16,715	16,248	85	82	16.889	218,133	823,842	3,777	3,310
36	33	96.789	15.340,104	254.078,563	16,563	16,096	86	83	13.962	171,331	605,709	3,535	3,069
37	34	96.641	14.552,651	238.738,459	16,405	15,938	87	84	11.244	131,102	434,378	3,313	2,846
38	35	96.479	13.803,568	224.185,808	16,241	15,774	88	85	8.788	97,350	303,276	3,115	2,649
39	36	96.296	13.090,252	210.382,240	16,072	15,605	89	86	6.697	70,484	205,926	2,922	2,455
40	37	96.094	12.411,102	197.291,989	15,896	15,430	90	87	4.939	49,390	135,442	2,742	2,275
41	38	95.869	11.764,495	184.880,887	15,715	15,248	91	88	3.511	33,364	86,052	2,579	2,112
42	39	95.620	11.148,629	173.116,392	15,528	15,061	92	89	2.401	21,675	52,688	2,431	1,964
43	40	95.333	10.560,701	161.967,763	15,337	14,870	93	90	1.575	13,508	31,013	2,296	1,829
44	41	95.014	10.000,373	151.407,062	15,140	14,673	94	91	991	8,077	17,505	2,167	1,700
45	42	94.666	9.466,684	141.406,689	14,937	14,471	95	92	591	4,578	9,428	2,059	1,593
46	43	94.268	8.956,713	131.940,004	14,731	14,264	96	93	336	2,473	4,850	1,961	1,494
47	44	93.826	8.470,048	122.983,291	14,520	14,053	97	94	182	1,270	2,377	1,872	1,405
48	45	93.345	8.006,229	114.513,244	14,303	13,836	98	95	93	0,618	1,107	1,791	1,324
49	46	92.816	7.563,798	106.507,015	14,081	13,614	99	96	45	0,285	0,489	1,717	1,250
							100	97	21	0,124	0,204	1,650	1,183

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 4 Jahre

Zinsfuß 5,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	46	92.399	7.154,251	99.571,539	13,918	13,451
1							51	47	91.776	6.751,557	92.417,288	13,688	13,221
2							52	48	91.123	6.369,138	85.665,731	13,450	12,983
3							53	49	90.397	6.003,193	79.296,594	13,209	12,742
4	0	99.465	81.055,689	1.552.482,489	19,153	18,686	54	50	89.613	5.654,254	73.293,401	12,963	12,496
5	1	99.074	76.709,831	1.471.426,800	19,182	18,715	55	51	88.779	5.322,254	67.639,147	12,709	12,242
6	2	99.025	72.847,370	1.394.716,970	19,146	18,679	56	52	87.870	5.004,982	62.316,893	12,451	11,984
7	3	98.994	69.191,903	1.321.869,600	19,104	18,638	57	53	86.918	4.703,823	57.311,911	12,184	11,717
8	4	98.965	65.721,126	1.252.677,696	19,061	18,594	58	54	85.894	4.416,530	52.608,088	11,912	11,445
9	5	98.940	62.427,386	1.186.956,571	19,013	18,547	59	55	84.780	4.141,782	48.191,557	11,635	11,169
10	6	98.918	59.300,128	1.124.529,184	18,963	18,497	60	56	83.571	3.879,076	44.049,776	11,356	10,889
11	7	98.900	56.331,678	1.065.229,057	18,910	18,443	61	57	82.298	3.629,459	40.170,700	11,068	10,601
12	8	98.877	53.509,392	1.008.897,378	18,855	18,388	62	58	80.947	3.391,792	36.541,241	10,773	10,307
13	9	98.855	50.828,758	955.387,986	18,796	18,329	63	59	79.472	3.163,887	33.149,450	10,477	10,011
14	10	98.835	48.283,975	904.559,228	18,734	18,267	64	60	77.925	2.947,567	29.985,562	10,173	9,706
15	11	98.809	45.863,190	856.275,253	18,670	18,203	65	61	76.273	2.741,170	27.037,995	9,864	9,397
16	12	98.776	43.561,113	810.412,062	18,604	18,137	66	62	74.516	2.544,425	24.296,826	9,549	9,082
17	13	98.730	41.368,865	766.850,949	18,537	18,070	67	63	72.630	2.356,326	21.752,400	9,231	8,765
18	14	98.670	39.281,607	725.482,084	18,469	18,002	68	64	70.591	2.175,933	19.396,074	8,914	8,447
19	15	98.584	37.289,537	686.200,477	18,402	17,935	69	65	68.418	2.003,761	17.220,141	8,594	8,127
20	16	98.487	35.394,628	648.910,940	18,334	17,867	70	66	66.112	1.839,635	15.216,380	8,271	7,805
21	17	98.391	33.596,417	613.516,312	18,261	17,795	71	67	63.645	1.682,648	13.376,745	7,950	7,483
22	18	98.293	31.888,540	579.919,894	18,186	17,719	72	68	61.014	1.532,631	11.694,097	7,630	7,163
23	19	98.190	30.266,350	548.031,354	18,107	17,640	73	69	58.193	1.388,848	10.161,465	7,316	6,850
24	20	98.090	28.727,347	517.765,004	18,023	17,557	74	70	55.222	1.252,209	8.772,617	7,006	6,539
25	21	97.988	27.265,972	489.037,657	17,936	17,469	75	71	52.126	1.123,043	7.520,408	6,696	6,230
26	22	97.893	25.880,629	461.771,685	17,842	17,376	76	72	48.910	1.001,191	6.397,365	6,390	5,923
27	23	97.796	24.565,433	435.891,056	17,744	17,277	77	73	45.632	887,502	5.396,173	6,080	5,613
28	24	97.701	23.317,302	411.325,623	17,640	17,174	78	74	42.256	780,839	4.508,672	5,774	5,307
29	25	97.602	22.131,907	388.008,321	17,532	17,065	79	75	38.787	680,993	3.727,833	5,474	5,007
30	26	97.510	21.007,980	365.876,414	17,416	16,949	80	76	35.266	588,278	3.046,840	5,179	4,712
31	27	97.411	19.939,910	344.868,434	17,295	16,829	81	77	31.700	502,417	2.458,562	4,893	4,427
32	28	97.306	18.924,805	324.928,524	17,169	16,703	82	78	28.150	423,908	1.956,145	4,615	4,148
33	29	97.197	17.960,749	306.003,719	17,037	16,571	83	79	24.563	351,432	1.532,237	4,360	3,893
34	30	97.084	17.044,885	288.042,970	16,899	16,432	84	80	21.132	287,265	1.180,805	4,111	3,644
35	31	96.959	16.173,900	270.998,085	16,755	16,288	85	81	17.886	231,010	893,540	3,868	3,401
36	32	96.823	15.345,561	254.824,185	16,606	16,139	86	82	14.926	183,168	662,530	3,617	3,150
37	33	96.679	14.558,468	239.478,624	16,449	15,983	87	83	12.112	141,222	479,361	3,394	2,928
38	34	96.524	13.810,042	224.920,156	16,287	15,820	88	84	9.556	105,857	338,139	3,194	2,728
39	35	96.346	13.096,957	211.110,114	16,119	15,652	89	85	7.333	77,186	232,283	3,009	2,543
40	36	96.148	12.418,124	198.013,158	15,945	15,479	90	86	5.493	54,928	155,097	2,824	2,357
41	37	95.928	11.771,713	185.595,033	15,766	15,299	91	87	3.981	37,822	100,169	2,648	2,182
42	38	95.687	11.156,433	173.823,320	15,581	15,114	92	88	2.765	24,957	62,347	2,498	2,031
43	39	95.409	10.569,159	162.666,887	15,391	14,924	93	89	1.849	15,859	37,390	2,358	1,891
44	40	95.097	10.009,081	152.097,728	15,196	14,729	94	90	1.185	9,656	21,531	2,230	1,763
45	41	94.759	9.476,051	142.088,647	14,994	14,528	95	91	728	5,634	11,875	2,108	1,641
46	42	94.374	8.966,798	132.612,596	14,789	14,322	96	92	423	3,112	6,242	2,006	1,539
47	43	93.948	8.481,056	123.645,798	14,579	14,112	97	93	234	1,636	3,129	1,913	1,446
48	44	93.475	8.017,389	115.164,741	14,364	13,898	98	94	123	0,817	1,493	1,828	1,361
49	45	92.963	7.575,813	107.147,353	14,143	13,677	99	95	61	0,386	0,676	1,751	1,284
							100	96	29	0,173	0,290	1,681	1,214

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 5 Jahre

Zinsfuß 5,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	45	92.546	7.165,616	100.150,637	13,977	13,510
1							51	46	91.942	6.763,705	92.985,022	13,748	13,281
2							52	47	91.301	6.381,548	86.221,317	13,511	13,044
3							53	48	90.589	6.015,946	79.839,769	13,271	12,805
4							54	49	89.829	5.667,895	73.823,823	13,025	12,558
5	0	99.452	77.002,203	1.472.610,596	19,124	18,657	55	50	89.004	5.335,735	68.155,928	12,773	12,307
6	1	99.061	72.873,469	1.395.608,393	19,151	18,684	56	51	88.115	5.018,921	62.820,193	12,517	12,050
7	2	99.014	69.205,586	1.322.734,924	19,113	18,646	57	52	87.182	4.718,087	57.801,272	12,251	11,784
8	3	98.982	65.732,408	1.253.529,338	19,070	18,603	58	53	86.166	4.430,520	53.083,185	11,981	11,514
9	4	98.953	62.435,450	1.187.796,929	19,024	18,558	59	54	85.076	4.156,238	48.652,665	11,706	11,239
10	5	98.931	59.307,880	1.125.361,479	18,975	18,508	60	55	83.888	3.893,821	44.496,427	11,427	10,961
11	6	98.909	56.336,870	1.066.053,599	18,923	18,456	61	56	82.630	3.644,089	40.602,606	11,142	10,675
12	7	98.886	53.514,052	1.009.716,729	18,868	18,401	62	57	81.310	3.406,997	36.958,517	10,848	10,381
13	8	98.864	50.833,638	956.202,677	18,810	18,344	63	58	79.856	3.179,197	33.551,520	10,553	10,087
14	9	98.842	48.287,095	905.369,039	18,750	18,283	64	59	78.323	2.962,628	30.372,323	10,252	9,785
15	10	98.817	45.867,047	857.081,943	18,686	18,219	65	60	76.695	2.756,341	27.409,695	9,944	9,477
16	11	98.786	43.565,199	811.214,896	18,621	18,154	66	61	74.938	2.558,825	24.653,353	9,635	9,168
17	12	98.738	41.372,379	767.649,697	18,555	18,088	67	62	73.090	2.371,248	22.094,529	9,318	8,851
18	13	98.680	39.285,413	726.277,318	18,487	18,020	68	63	71.074	2.190,835	19.723,280	9,003	8,536
19	14	98.596	37.293,882	686.991,905	18,421	17,954	69	64	68.922	2.018,522	17.532,445	8,686	8,219
20	15	98.505	35.400,954	649.698,023	18,353	17,886	70	65	66.656	1.854,784	15.513,923	8,364	7,897
21	16	98.412	33.603,534	614.297,069	18,281	17,814	71	66	64.226	1.698,026	13.659,139	8,044	7,577
22	17	98.314	31.895,558	580.693,535	18,206	17,739	72	67	61.641	1.548,371	11.961,113	7,725	7,258
23	18	98.219	30.275,057	548.797,977	18,127	17,660	73	68	58.866	1.404,917	10.412,743	7,412	6,945
24	19	98.117	28.735,313	518.522,920	18,045	17,578	74	69	55.936	1.268,392	9.007,826	7,102	6,635
25	20	98.019	27.274,587	489.787,608	17,958	17,491	75	70	52.878	1.139,236	7.739,434	6,794	6,327
26	21	97.916	25.886,963	462.513,021	17,867	17,400	76	71	49.716	1.017,690	6.600,198	6,485	6,019
27	22	97.823	24.572,085	436.626,058	17,769	17,302	77	72	46.470	903,796	5.582,508	6,177	5,710
28	23	97.726	23.323,387	412.053,973	17,667	17,200	78	73	43.134	797,077	4.678,711	5,870	5,403
29	24	97.629	22.137,922	388.730,586	17,559	17,093	79	74	39.691	696,854	3.881,634	5,570	5,103
30	25	97.534	21.013,151	366.592,664	17,446	16,979	80	75	36.204	603,937	3.184,780	5,273	4,807
31	26	97.438	19.945,494	345.579,513	17,326	16,859	81	76	32.645	517,395	2.580,843	4,988	4,521
32	27	97.334	18.930,322	325.634,019	17,202	16,735	82	77	29.097	438,163	2.063,448	4,709	4,243
33	28	97.226	17.966,082	306.703,697	17,071	16,604	83	78	25.508	364,958	1.625,286	4,453	3,987
34	29	97.112	17.049,875	288.737,615	16,935	16,468	84	79	22.060	299,879	1.260,327	4,203	3,736
35	30	96.991	16.179,197	271.687,740	16,792	16,326	85	80	18.802	242,840	960,448	3,955	3,488
36	31	96.858	15.351,044	255.508,543	16,644	16,178	86	81	15.807	193,982	717,608	3,699	3,233
37	32	96.714	14.563,647	240.157,498	16,490	16,023	87	82	12.949	150,979	523,626	3,468	3,001
38	33	96.563	13.815,562	225.593,852	16,329	15,862	88	83	10.293	114,028	372,648	3,268	2,801
39	34	96.391	13.103,100	211.778,289	16,162	15,696	89	84	7.974	83,931	258,620	3,081	2,615
40	35	96.197	12.424,485	198.675,190	15,991	15,524	90	85	6.015	60,150	174,689	2,904	2,437
41	36	95.982	11.778,373	186.250,705	15,813	15,346	91	86	4.427	42,063	114,539	2,723	2,256
42	37	95.746	11.163,278	174.472,331	15,629	15,162	92	87	3.134	28,292	72,476	2,562	2,095
43	38	95.476	10.576,558	163.309,053	15,441	14,974	93	88	2.129	18,260	44,184	2,420	1,953
44	39	95.173	10.017,097	152.732,495	15,247	14,780	94	89	1.391	11,336	25,924	2,287	1,820
45	40	94.842	9.484,302	142.715,398	15,048	14,581	95	90	870	6,735	14,588	2,166	1,699
46	41	94.468	8.975,670	133.231,095	14,844	14,377	96	91	521	3,830	7,853	2,050	1,584
47	42	94.054	8.490,605	124.255,425	14,634	14,168	97	92	295	2,059	4,023	1,954	1,487
48	43	93.596	8.027,809	115.764,820	14,420	13,954	98	93	159	1,053	1,964	1,865	1,399
49	44	93.093	7.586,374	107.737,011	14,201	13,735	99	94	81	0,510	0,911	1,785	1,318
							100	95	39	0,234	0,401	1,712	1,245

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 6 Jahre

Zinsfuß 5,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	44	92.675	7.175,604	100.683,505	14,031	13,565
1							51	45	92.088	6.774,449	93.507,901	13,803	13,336
2							52	46	91.465	6.393,029	86.733,452	13,567	13,100
3							53	47	90.766	6.027,668	80.340,422	13,329	12,862
4							54	48	90.020	5.679,936	74.312,754	13,083	12,617
5							55	49	89.219	5.348,608	68.632,818	12,832	12,365
6	0	99.438	73.151,220	1.396.705,399	19,093	18,627	56	50	88.338	5.031,634	63.284,211	12,577	12,110
7	1	99.049	69.230,381	1.323.554,179	19,118	18,651	57	51	87.425	4.731,227	58.252,577	12,312	11,846
8	2	99.002	65.745,407	1.254.323,799	19,079	18,612	58	52	86.427	4.443,955	53.521,350	12,044	11,577
9	3	98.970	62.446,169	1.188.578,391	19,034	18,567	59	53	85.345	4.169,403	49.077,395	11,771	11,304
10	4	98.944	59.315,541	1.126.132,223	18,985	18,519	60	54	84.181	3.907,412	44.907,992	11,493	11,026
11	5	98.922	56.344,235	1.066.816,681	18,934	18,467	61	55	82.944	3.657,941	41.000,580	11,209	10,742
12	6	98.895	53.518,984	1.010.472,446	18,881	18,414	62	56	81.637	3.420,731	37.342,639	10,917	10,450
13	7	98.873	50.838,066	956.953,462	18,824	18,357	63	57	80.214	3.193,450	33.921,908	10,622	10,156
14	8	98.851	48.291,731	906.115,397	18,763	18,297	64	58	78.702	2.976,964	30.728,459	10,322	9,855
15	9	98.824	45.870,011	857.823,666	18,701	18,234	65	59	77.087	2.770,425	27.751,494	10,017	9,550
16	10	98.794	43.568,863	811.953,654	18,636	18,169	66	60	75.352	2.572,987	24.981,069	9,709	9,242
17	11	98.748	41.376,259	768.384,792	18,571	18,104	67	61	73.504	2.384,668	22.408,082	9,397	8,930
18	12	98.688	39.288,750	727.008,532	18,504	18,037	68	62	71.524	2.204,709	20.023,414	9,082	8,615
19	13	98.605	37.297,496	687.719,783	18,439	17,972	69	63	69.394	2.032,346	17.818,705	8,768	8,301
20	14	98.516	35.405,079	650.422,286	18,371	17,904	70	64	67.147	1.868,448	15.786,360	8,449	7,982
21	15	98.430	33.609,539	615.017,207	18,299	17,832	71	65	64.755	1.712,009	13.917,912	8,130	7,663
22	16	98.335	31.902,314	581.407,669	18,225	17,758	72	66	62.204	1.562,522	12.205,903	7,812	7,345
23	17	98.240	30.281,720	549.505,355	18,146	17,680	73	67	59.470	1.419,345	10.643,382	7,499	7,032
24	18	98.146	28.743,579	519.223,635	18,064	17,597	74	68	56.583	1.283,067	9.224,037	7,189	6,722
25	19	98.046	27.282,150	490.480,056	17,978	17,511	75	69	53.561	1.153,958	7.940,970	6,882	6,415
26	20	97.947	25.895,142	463.197,906	17,887	17,421	76	70	50.433	1.032,364	6.787,012	6,574	6,107
27	21	97.846	24.578,099	437.302,764	17,792	17,326	77	71	47.236	918,691	5.754,648	6,264	5,797
28	22	97.753	23.329,703	412.724,665	17,691	17,224	78	72	43.926	811,711	4.835,957	5,958	5,491
29	23	97.654	22.143,699	389.394,962	17,585	17,118	79	73	40.516	711,346	4.024,246	5,657	5,190
30	24	97.560	21.018,861	367.251,263	17,472	17,006	80	74	37.048	618,004	3.312,900	5,361	4,894
31	25	97.462	19.950,403	346.232,402	17,355	16,888	81	75	33.514	531,167	2.694,896	5,074	4,607
32	26	97.361	18.935,623	326.281,999	17,231	16,764	82	76	29.964	451,225	2.163,730	4,795	4,328
33	27	97.254	17.971,319	307.346,375	17,102	16,635	83	77	26.366	377,231	1.712,505	4,540	4,073
34	28	97.141	17.054,937	289.375,056	16,967	16,500	84	78	22.909	311,421	1.335,274	4,288	3,821
35	29	97.019	16.183,935	272.320,119	16,827	16,360	85	79	19.627	253,504	1.023,853	4,039	3,572
36	30	96.889	15.356,072	256.136,184	16,680	16,213	86	80	16.617	203,915	770,349	3,778	3,311
37	31	96.748	14.568,851	240.780,112	16,527	16,060	87	81	13.714	159,892	566,433	3,543	3,076
38	32	96.597	13.820,477	226.211,261	16,368	15,901	88	82	11.004	121,906	406,542	3,335	2,868
39	33	96.429	13.108,337	212.390,785	16,203	15,736	89	83	8.590	90,409	284,636	3,148	2,682
40	34	96.242	12.430,313	199.282,447	16,032	15,565	90	84	6.540	65,406	194,227	2,970	2,503
41	35	96.032	11.784,406	186.852,135	15,856	15,389	91	85	4.848	46,062	128,820	2,797	2,330
42	36	95.800	11.169,594	175.067,728	15,674	15,207	92	86	3.485	31,464	82,758	2,630	2,163
43	37	95.535	10.583,047	163.898,134	15,487	15,020	93	87	2.413	20,701	51,294	2,478	2,011
44	38	95.240	10.024,109	153.315,086	15,295	14,828	94	88	1.602	13,053	30,594	2,344	1,877
45	39	94.918	9.491,898	143.290,977	15,096	14,629	95	89	1.021	7,907	17,541	2,218	1,752
46	40	94.550	8.983,486	133.799,079	14,894	14,427	96	90	622	4,578	9,634	2,104	1,638
47	41	94.147	8.499,007	124.815,593	14,686	14,219	97	91	363	2,534	5,056	1,995	1,528
48	42	93.702	8.036,848	116.316,586	14,473	14,006	98	92	199	1,325	2,522	1,904	1,437
49	43	93.214	7.596,234	108.279,738	14,254	13,788	99	93	104	0,658	1,197	1,820	1,353
							100	94	52	0,309	0,539	1,744	1,277

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 7 Jahre

Zinsfuß 5,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	43	92.796	7.184,930	101.173,669	14,081	13,615
1							51	44	92.216	6.783,892	93.988,739	13,855	13,388
2							52	45	91.611	6.403,185	87.204,847	13,619	13,152
3							53	46	90.929	6.038,513	80.801,662	13,381	12,914
4							54	47	90.195	5.691,003	74.763,149	13,137	12,670
5							55	48	89.408	5.359,970	69.072,146	12,887	12,420
6							56	49	88.551	5.043,773	63.712,175	12,632	12,165
7	0	99.427	69.494,246	1.324.570,649	19,060	18,593	57	50	87.646	4.743,211	58.668,402	12,369	11,902
8	1	99.037	65.768,962	1.255.076,403	19,083	18,616	58	51	86.668	4.456,331	53.925,191	12,101	11,634
9	2	98.990	62.458,518	1.189.307,441	19,042	18,575	59	52	85.604	4.182,046	49.468,860	11,829	11,362
10	3	98.961	59.325,724	1.126.848,923	18,994	18,527	60	53	84.448	3.919,789	45.286,814	11,553	11,087
11	4	98.935	56.351,513	1.067.523,199	18,944	18,477	61	54	83.234	3.670,709	41.367,025	11,269	10,803
12	5	98.908	53.525,981	1.011.171,686	18,891	18,424	62	55	81.948	3.433,734	37.696,316	10,978	10,511
13	6	98.882	50.842,750	957.645,705	18,835	18,369	63	56	80.538	3.206,322	34.262,583	10,686	10,219
14	7	98.860	48.295,937	906.802,954	18,776	18,309	64	57	79.055	2.990,310	31.056,260	10,386	9,919
15	8	98.833	45.874,415	858.507,017	18,714	18,247	65	58	77.460	2.783,831	28.065,950	10,082	9,615
16	9	98.800	43.571,678	812.632,602	18,650	18,184	66	59	75.737	2.586,135	25.282,119	9,776	9,309
17	10	98.756	41.379,739	769.060,924	18,585	18,119	67	60	73.910	2.397,866	22.695,984	9,465	8,998
18	11	98.698	39.292,434	727.681,185	18,520	18,053	68	61	71.929	2.217,186	20.298,118	9,155	8,688
19	12	98.614	37.300,664	688.388,751	18,455	17,988	69	62	69.834	2.045,216	18.080,933	8,841	8,374
20	13	98.526	35.408,510	651.088,087	18,388	17,921	70	63	67.607	1.881,244	16.035,717	8,524	8,057
21	14	98.441	33.613,455	615.679,577	18,316	17,850	71	64	65.232	1.724,621	14.154,473	8,207	7,741
22	15	98.353	31.908,015	582.066,121	18,242	17,775	72	65	62.716	1.575,389	12.429,852	7,890	7,423
23	16	98.261	30.288,134	550.158,106	18,164	17,697	73	66	60.014	1.432,316	10.854,464	7,578	7,111
24	17	98.167	28.749,905	519.869,972	18,082	17,616	74	67	57.164	1.296,243	9.422,147	7,269	6,802
25	18	98.075	27.289,998	491.120,068	17,996	17,530	75	68	54.181	1.167,310	8.125,904	6,961	6,494
26	19	97.975	25.902,322	463.830,070	17,907	17,440	76	69	51.085	1.045,705	6.958,595	6,654	6,188
27	20	97.877	24.585,865	437.927,747	17,812	17,345	77	70	47.917	931,937	5.912,890	6,345	5,878
28	21	97.776	23.335,413	413.341,883	17,713	17,246	78	71	44.650	825,088	4.980,953	6,037	5,570
29	22	97.681	22.149,696	390.006,470	17,608	17,141	79	72	41.260	724,407	4.155,865	5,737	5,270
30	23	97.586	21.024,346	367.856,774	17,497	17,030	80	73	37.818	630,856	3.431,458	5,439	4,973
31	24	97.489	19.955,825	346.832,427	17,380	16,913	81	74	34.294	543,539	2.800,603	5,153	4,686
32	25	97.385	18.940,284	326.876,603	17,258	16,791	82	75	30.762	463,236	2.257,064	4,872	4,406
33	26	97.282	17.976,352	307.936,319	17,130	16,663	83	76	27.152	388,476	1.793,829	4,618	4,151
34	27	97.169	17.059,909	289.959,967	16,997	16,530	84	77	23.679	321,893	1.405,352	4,366	3,899
35	28	97.048	16.188,740	272.900,058	16,857	16,391	85	78	20.383	263,261	1.083,459	4,116	3,649
36	29	96.918	15.360,568	256.711,318	16,712	16,246	86	79	17.347	212,870	820,198	3,853	3,386
37	30	96.780	14.573,622	241.350,750	16,561	16,094	87	80	14.416	168,079	607,328	3,613	3,147
38	31	96.631	13.825,415	226.777,128	16,403	15,936	88	81	11.654	129,102	439,249	3,402	2,936
39	32	96.464	13.113,000	212.951,712	16,240	15,773	89	82	9.183	96,656	310,146	3,209	2,742
40	33	96.281	12.435,282	199.838,712	16,070	15,604	90	83	7.045	70,455	213,491	3,030	2,563
41	34	96.077	11.789,934	187.403,431	15,895	15,428	91	84	5.272	50,087	143,036	2,856	2,389
42	35	95.849	11.175,316	175.613,497	15,714	15,248	92	85	3.817	34,456	92,948	2,698	2,231
43	36	95.589	10.589,035	164.438,181	15,529	15,062	93	86	2.684	23,021	58,493	2,541	2,074
44	37	95.298	10.030,260	153.849,146	15,339	14,872	94	87	1.816	14,797	35,471	2,397	1,930
45	38	94.984	9.498,543	143.818,886	15,141	14,674	95	88	1.176	9,104	20,674	2,271	1,804
46	39	94.626	8.990,681	134.320,343	14,940	14,473	96	89	731	5,375	11,570	2,153	1,686
47	40	94.229	8.506,407	125.329,663	14,734	14,267	97	90	433	3,029	6,195	2,045	1,578
48	41	93.794	8.044,800	116.823,256	14,522	14,055	98	91	245	1,630	3,166	1,942	1,475
49	42	93.319	7.604,786	108.778,456	14,304	13,837	99	92	131	0,828	1,536	1,855	1,388
							100	93	66	0,398	0,708	1,776	1,310

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 8 Jahre

Zinsfuß 5,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	42	92.900	7.193,020	101.623,853	14,128	13,661
1							51	43	92.336	6.792,709	94.430,833	13,902	13,435
2							52	44	91.738	6.412,110	87.638,124	13,668	13,201
3							53	45	91.073	6.048,105	81.226,013	13,430	12,963
4							54	46	90.357	5.701,242	75.177,908	13,186	12,719
5							55	47	89.583	5.370,414	69.476,665	12,937	12,470
6							56	48	88.739	5.054,488	64.106,251	12,683	12,216
7							57	49	87.858	4.754,654	59.051,763	12,420	11,953
8	0	99.415	66.019,634	1.256.018,215	19,025	18,558	58	50	86.888	4.467,619	54.297,109	12,153	11,687
9	1	99.025	62.480,895	1.189.998,581	19,046	18,579	59	51	85.842	4.193,693	49.829,490	11,882	11,415
10	2	98.981	59.337,456	1.127.517,686	19,002	18,535	60	52	84.704	3.931,675	45.635,797	11,607	11,140
11	3	98.952	56.361,187	1.068.180,230	18,952	18,486	61	53	83.497	3.682,336	41.704,122	11,325	10,859
12	4	98.920	53.532,895	1.011.819,043	18,901	18,434	62	54	82.234	3.445,719	38.021,786	11,035	10,568
13	5	98.895	50.849,398	958.286,148	18,846	18,379	63	55	80.844	3.218,510	34.576,067	10,743	10,276
14	6	98.869	48.300,388	907.436,750	18,787	18,321	64	56	79.374	3.002,364	31.357,557	10,444	9,977
15	7	98.842	45.878,411	859.136,362	18,726	18,260	65	57	77.808	2.796,311	28.355,193	10,140	9,673
16	8	98.810	43.575,861	813.257,952	18,663	18,196	66	58	76.104	2.598,649	25.558,882	9,835	9,369
17	9	98.762	41.382,413	769.682,090	18,599	18,132	67	59	74.288	2.410,119	22.960,233	9,527	9,060
18	10	98.706	39.295,739	728.299,678	18,534	18,067	68	60	72.327	2.229,457	20.550,114	9,218	8,751
19	11	98.623	37.304,162	689.003,939	18,470	18,003	69	61	70.229	2.056,790	18.320,657	8,907	8,441
20	12	98.534	35.411,517	651.699,776	18,404	17,937	70	62	68.035	1.893,157	16.263,867	8,591	8,124
21	13	98.451	33.616,713	616.288,259	18,333	17,866	71	63	65.679	1.736,431	14.370,710	8,276	7,809
22	14	98.364	31.911,734	582.671,546	18,259	17,792	72	64	63.178	1.586,994	12.634,278	7,961	7,494
23	15	98.279	30.293,546	550.759,813	18,181	17,714	73	65	60.508	1.444,111	11.047,284	7,650	7,183
24	16	98.188	28.755,994	520.466,266	18,099	17,633	74	66	57.686	1.308,090	9.603,173	7,341	6,875
25	17	98.096	27.296,004	491.710,272	18,014	17,547	75	67	54.737	1.179,297	8.295,083	7,034	6,567
26	18	98.003	25.909,774	464.414,268	17,924	17,457	76	68	51.676	1.057,804	7.115,786	6,727	6,260
27	19	97.905	24.592,682	438.504,495	17,831	17,364	77	69	48.536	943,980	6.057,982	6,417	5,951
28	20	97.807	23.342,786	413.911,813	17,732	17,265	78	70	45.294	836,984	5.114,002	6,110	5,643
29	21	97.705	22.155,117	390.569,027	17,629	17,162	79	71	41.940	736,345	4.277,018	5,808	5,342
30	22	97.612	21.030,040	368.413,910	17,518	17,052	80	72	38.512	642,438	3.540,673	5,511	5,045
31	23	97.514	19.961,033	347.383,870	17,403	16,936	81	73	35.007	554,842	2.898,235	5,224	4,757
32	24	97.412	18.945,431	327.422,837	17,282	16,816	82	74	31.478	474,025	2.343,393	4,944	4,477
33	25	97.306	17.980,776	308.477,406	17,156	16,689	83	75	27.875	398,817	1.869,368	4,687	4,220
34	26	97.196	17.064,687	290.496,630	17,023	16,556	84	76	24.385	331,489	1.470,551	4,436	3,969
35	27	97.076	16.193,459	273.431,944	16,885	16,419	85	77	21.068	272,114	1.139,062	4,186	3,719
36	28	96.946	15.365,129	257.238,485	16,742	16,275	86	78	18.014	221,063	866,948	3,922	3,455
37	29	96.808	14.577,889	241.873,356	16,592	16,125	87	79	15.049	175,460	645,885	3,681	3,214
38	30	96.663	13.829,943	227.295,466	16,435	15,968	88	80	12.251	135,713	470,425	3,466	3,000
39	31	96.498	13.117,686	213.465,523	16,273	15,806	89	81	9.725	102,362	334,712	3,270	2,803
40	32	96.315	12.439,705	200.347,837	16,106	15,639	90	82	7.532	75,323	232,350	3,085	2,618
41	33	96.115	11.794,647	187.908,132	15,932	15,465	91	83	5.678	53,953	157,027	2,910	2,444
42	34	95.894	11.180,557	176.113,486	15,752	15,285	92	84	4.150	37,467	103,074	2,751	2,284
43	35	95.638	10.594,459	164.932,928	15,568	15,101	93	85	2.939	25,210	65,607	2,602	2,136
44	36	95.352	10.035,935	154.338,469	15,379	14,912	94	86	2.019	16,456	40,397	2,455	1,988
45	37	95.043	9.504,371	144.302,534	15,183	14,716	95	87	1.333	10,321	23,941	2,320	1,853
46	38	94.692	8.996,974	134.798,163	14,983	14,516	96	88	841	6,189	13,620	2,201	1,734
47	39	94.305	8.513,220	125.801,189	14,777	14,310	97	89	509	3,557	7,431	2,089	1,623
48	40	93.876	8.051,805	117.287,969	14,567	14,100	98	90	293	1,949	3,875	1,988	1,521
49	41	93.411	7.612,311	109.236,164	14,350	13,883	99	91	161	1,019	1,926	1,891	1,424
							100	92	84	0,501	0,907	1,809	1,342

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 9 Jahre

Zinsfuß 5,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	41	92.992	7.200,137	102.036,843	14,172	13,705
1							51	42	92.440	6.800,358	94.836,706	13,946	13,479
2							52	43	91.857	6.420,444	88.036,348	13,712	13,245
3							53	44	91.200	6.056,536	81.615,904	13,476	13,009
4							54	45	90.501	5.710,299	75.559,367	13,232	12,765
5							55	46	89.744	5.380,076	69.849,069	12,983	12,516
6							56	47	88.912	5.064,337	64.468,992	12,730	12,263
7							57	48	88.044	4.764,755	59.404,656	12,468	12,001
8							58	49	87.097	4.478,397	54.639,900	12,201	11,734
9	0	99.403	62.719,035	1.190.871,255	18,987	18,521	59	50	86.060	4.204,316	50.161,503	11,931	11,464
10	1	99.016	59.358,715	1.128.152,220	19,006	18,539	60	51	84.940	3.942,625	45.957,187	11,656	11,190
11	2	98.971	56.372,333	1.068.793,505	18,960	18,493	61	52	83.750	3.693,502	42.014,562	11,375	10,908
12	3	98.937	53.542,085	1.012.421,172	18,909	18,442	62	53	82.494	3.456,633	38.321,060	11,086	10,619
13	4	98.908	50.855,966	958.879,087	18,855	18,388	63	54	81.126	3.229,744	34.864,427	10,795	10,328
14	5	98.882	48.306,703	908.023,121	18,797	18,330	64	55	79.676	3.013,777	31.634,683	10,497	10,030
15	6	98.851	45.882,638	859.716,418	18,737	18,270	65	56	78.121	2.807,583	28.620,906	10,194	9,727
16	7	98.818	43.579,656	813.833,780	18,675	18,208	66	57	76.445	2.610,299	25.813,323	9,889	9,422
17	8	98.772	41.386,386	770.254,123	18,611	18,144	67	58	74.648	2.421,781	23.203,025	9,581	9,114
18	9	98.712	39.298,278	728.867,738	18,547	18,080	68	59	72.697	2.240,849	20.781,244	9,274	8,807
19	10	98.631	37.307,300	689.569,459	18,483	18,017	69	60	70.617	2.068,174	18.540,394	8,965	8,498
20	11	98.543	35.414,838	652.262,160	18,418	17,951	70	61	68.420	1.903,871	16.472,220	8,652	8,185
21	12	98.459	33.619,568	616.847,321	18,348	17,881	71	62	66.095	1.747,428	14.568,349	8,337	7,870
22	13	98.374	31.914,826	583.227,753	18,275	17,808	72	63	63.611	1.597,862	12.820,922	8,024	7,557
23	14	98.290	30.297,077	551.312,928	18,197	17,730	73	64	60.954	1.454,749	11.223,059	7,715	7,248
24	15	98.206	28.761,133	521.015,851	18,115	17,648	74	65	58.161	1.318,862	9.768,310	7,407	6,940
25	16	98.117	27.301,786	492.254,718	18,030	17,563	75	66	55.237	1.190,075	8.449,448	7,100	6,633
26	17	98.024	25.915,475	464.952,932	17,941	17,474	76	67	52.206	1.068,667	7.259,373	6,793	6,326
27	18	97.933	24.599,756	439.037,457	17,847	17,380	77	68	49.098	954,902	6.190,706	6,483	6,016
28	19	97.834	23.349,258	414.437,700	17,750	17,283	78	69	45.879	847,801	5.235,805	6,176	5,709
29	20	97.735	22.162,117	391.088,442	17,647	17,180	79	70	42.545	746,961	4.388,004	5,874	5,408
30	21	97.636	21.035,187	368.926,325	17,539	17,072	80	71	39.147	653,025	3.641,042	5,576	5,109
31	22	97.541	19.966,438	347.891,138	17,424	16,957	81	72	35.650	565,029	2.988,017	5,288	4,821
32	23	97.437	18.950,375	327.924,700	17,304	16,838	82	73	32.133	483,883	2.422,988	5,007	4,541
33	24	97.332	17.985,663	308.974,324	17,179	16,712	83	74	28.524	408,106	1.939,105	4,751	4,285
34	25	97.220	17.068,887	290.988,662	17,048	16,581	84	75	25.034	340,313	1.530,999	4,499	4,032
35	26	97.104	16.197,994	273.919,775	16,911	16,444	85	76	21.696	280,226	1.190,687	4,249	3,782
36	27	96.975	15.369,608	257.721,781	16,768	16,301	86	77	18.620	228,497	910,461	3,985	3,518
37	28	96.837	14.582,218	242.352,173	16,620	16,153	87	78	15.628	182,214	681,964	3,743	3,276
38	29	96.691	13.833,993	227.769,955	16,465	15,998	88	79	12.789	141,673	499,751	3,527	3,061
39	30	96.530	13.121,982	213.935,963	16,304	15,837	89	80	10.223	107,604	358,078	3,328	2,861
40	31	96.349	12.444,150	200.813,981	16,137	15,670	90	81	7.977	79,769	250,474	3,140	2,673
41	32	96.149	11.798,842	188.369,831	15,965	15,498	91	82	6.071	57,681	170,705	2,959	2,493
42	33	95.932	11.185,027	176.570,989	15,786	15,320	92	83	4.471	40,359	113,024	2,800	2,334
43	34	95.683	10.599,428	165.385,962	15,603	15,136	93	84	3.196	27,413	72,665	2,651	2,184
44	35	95.401	10.041,076	154.786,534	15,415	14,949	94	85	2.211	18,021	45,252	2,511	2,044
45	36	95.096	9.509,748	144.745,458	15,221	14,754	95	86	1.482	11,478	27,231	2,372	1,906
46	37	94.750	9.002,495	135.235,710	15,022	14,555	96	87	954	7,016	15,753	2,245	1,779
47	38	94.371	8.519,179	126.233,215	14,818	14,351	97	88	586	4,095	8,737	2,134	1,667
48	39	93.951	8.058,254	117.714,036	14,608	14,141	98	89	345	2,288	4,642	2,029	1,562
49	40	93.493	7.618,939	109.655,782	14,393	13,926	99	90	193	1,218	2,354	1,934	1,467
							100	91	103	0,617	1,137	1,842	1,375

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 10 Jahre

Zinsfuß 5,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	40	93.073	7.206,407	102.415,331	14,212	13,745
1							51	41	92.531	6.807,086	95.208,924	13,987	13,520
2							52	42	91.961	6.427,673	88.401,838	13,753	13,287
3							53	43	91.319	6.064,408	81.974,165	13,517	13,050
4							54	44	90.627	5.718,259	75.909,757	13,275	12,808
5							55	45	89.886	5.388,623	70.191,498	13,026	12,559
6							56	46	89.072	5.073,448	64.802,875	12,773	12,306
7							57	47	88.216	4.774,039	59.729,427	12,511	12,045
8							58	48	87.282	4.487,911	54.955,388	12,245	11,778
9							59	49	86.267	4.214,459	50.467,476	11,975	11,508
10	0	99.393	59.584,955	1.128.960,920	18,947	18,480	60	50	85.155	3.952,611	46.253,017	11,702	11,235
11	1	99.007	56.392,529	1.069.375,965	18,963	18,496	61	51	83.984	3.703,788	42.300,406	11,421	10,954
12	2	98.957	53.552,674	1.012.983,435	18,916	18,449	62	52	82.744	3.467,115	38.596,618	11,132	10,665
13	3	98.924	50.864,697	959.430,762	18,862	18,396	63	53	81.383	3.239,974	35.129,502	10,843	10,376
14	4	98.895	48.312,942	908.566,065	18,806	18,339	64	54	79.954	3.024,296	31.889,528	10,544	10,078
15	5	98.864	45.888,637	860.253,123	18,747	18,280	65	55	78.418	2.818,255	28.865,232	10,242	9,775
16	6	98.827	43.583,672	814.364,486	18,685	18,218	66	56	76.753	2.620,821	26.046,977	9,938	9,472
17	7	98.780	41.389,990	770.780,813	18,622	18,156	67	57	74.982	2.432,638	23.426,156	9,630	9,163
18	8	98.722	39.302,051	729.390,823	18,559	18,092	68	58	73.049	2.251,692	20.993,518	9,323	8,857
19	9	98.637	37.309,711	690.088,772	18,496	18,029	69	59	70.978	2.078,742	18.741,826	9,016	8,549
20	10	98.552	35.417,817	652.779,062	18,431	17,964	70	60	68.799	1.914,408	16.663,084	8,704	8,237
21	11	98.468	33.622,721	617.361,245	18,361	17,895	71	61	66.469	1.757,317	14.748,675	8,393	7,926
22	12	98.382	31.917,536	583.738,524	18,289	17,822	72	62	64.014	1.607,981	12.991,358	8,079	7,613
23	13	98.299	30.300,013	551.820,987	18,212	17,745	73	63	61.371	1.464,712	11.383,377	7,772	7,305
24	14	98.217	28.764,485	521.520,975	18,131	17,664	74	64	58.590	1.328,577	9.918,665	7,466	6,999
25	15	98.134	27.306,665	492.756,490	18,045	17,578	75	65	55.692	1.199,875	8.590,088	7,159	6,692
26	16	98.045	25.920,965	465.449,825	17,957	17,490	76	66	52.683	1.078,434	7.390,213	6,853	6,386
27	17	97.954	24.605,170	439.528,860	17,863	17,396	77	67	49.602	964,708	6.311,779	6,543	6,076
28	18	97.863	23.355,975	414.923,690	17,765	17,298	78	68	46.410	857,610	5.347,071	6,235	5,768
29	19	97.763	22.168,262	391.567,715	17,663	17,197	79	69	43.094	756,614	4.489,461	5,934	5,467
30	20	97.667	21.041,833	369.399,453	17,555	17,089	80	70	39.711	662,441	3.732,847	5,635	5,168
31	21	97.565	19.971,325	348.357,620	17,443	16,976	81	71	36.238	574,340	3.070,406	5,346	4,879
32	22	97.464	18.955,507	328.386,295	17,324	16,857	82	72	32.723	492,767	2.496,066	5,065	4,599
33	23	97.357	17.990,356	309.430,788	17,200	16,733	83	73	29.117	416,593	2.003,299	4,809	4,342
34	24	97.247	17.073,525	291.440,432	17,070	16,603	84	74	25.617	348,239	1.586,706	4,556	4,090
35	25	97.127	16.201,981	274.366,906	16,934	16,467	85	75	22.274	287,685	1.238,467	4,305	3,838
36	26	97.002	15.373,912	258.164,926	16,792	16,326	86	76	19.175	235,308	950,782	4,041	3,574
37	27	96.865	14.586,469	242.791,013	16,645	16,178	87	77	16.154	188,341	715,473	3,799	3,332
38	28	96.720	13.838,100	228.204,545	16,491	16,024	88	78	13.281	147,126	527,133	3,583	3,116
39	29	96.558	13.125,824	214.366,445	16,332	15,865	89	79	10.672	112,329	380,007	3,383	2,916
40	30	96.381	12.448,226	201.240,620	16,166	15,699	90	80	8.385	83,854	267,678	3,192	2,725
41	31	96.184	11.803,058	188.792,395	15,995	15,528	91	81	6.429	61,086	183,824	3,009	2,542
42	32	95.967	11.189,005	176.989,337	15,818	15,351	92	82	4.780	43,147	122,738	2,845	2,378
43	33	95.721	10.603,665	165.800,331	15,636	15,169	93	83	3.443	29,529	79,591	2,695	2,229
44	34	95.446	10.045,785	155.196,666	15,449	14,982	94	84	2.405	19,595	50,061	2,555	2,088
45	35	95.145	9.514,619	145.150,881	15,256	14,789	95	85	1.623	12,569	30,466	2,424	1,957
46	36	94.804	9.007,588	135.636,261	15,058	14,591	96	86	1.061	7,802	17,897	2,294	1,827
47	37	94.428	8.524,406	126.628,673	14,855	14,388	97	87	664	4,642	10,094	2,174	1,708
48	38	94.017	8.063,895	118.104,267	14,646	14,179	98	88	397	2,635	5,452	2,069	1,603
49	39	93.568	7.625,042	110.040,373	14,431	13,965	99	89	227	1,429	2,817	1,971	1,504
							100	90	123	0,738	1,388	1,881	1,414

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 11 Jahre

Zinsfuß 5,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	39	93.148	7.212,178	102.762,138	14,248	13,782
1							51	40	92.612	6.813,013	95.549,959	14,025	13,558
2							52	41	92.052	6.434,033	88.736,946	13,792	13,325
3							53	42	91.422	6.071,236	82.302,913	13,556	13,089
4							54	43	90.745	5.725,691	76.231,676	13,314	12,847
5							55	44	90.012	5.396,134	70.505,986	13,066	12,599
6							56	45	89.213	5.081,508	65.109,851	12,813	12,346
7							57	46	88.374	4.782,629	60.028,344	12,551	12,085
8							58	47	87.452	4.496,656	55.245,715	12,286	11,819
9							59	48	86.451	4.223,412	50.749,059	12,016	11,549
10							60	49	85.360	3.962,147	46.525,647	11,743	11,276
11	0	99.384	56.607,464	1.070.125,500	18,904	18,438	61	50	84.196	3.713,170	42.563,500	11,463	10,996
12	1	98.992	53.571,860	1.013.518,036	18,919	18,452	62	51	82.975	3.476,771	38.850,330	11,174	10,707
13	2	98.944	50.874,755	959.946,176	18,869	18,402	63	52	81.630	3.249,799	35.373,559	10,885	10,418
14	3	98.912	48.321,237	909.071,420	18,813	18,346	64	53	80.207	3.033,875	32.123,759	10,588	10,122
15	4	98.876	45.894,565	860.750,184	18,755	18,288	65	54	78.692	2.828,092	29.089,884	10,286	9,819
16	5	98.840	43.589,371	814.855,619	18,694	18,227	66	55	77.045	2.630,783	26.261,792	9,983	9,516
17	6	98.790	41.393,805	771.266,249	18,632	18,166	67	56	75.285	2.442,444	23.631,009	9,675	9,208
18	7	98.730	39.305,474	729.872,444	18,569	18,102	68	57	73.376	2.261,787	21.188,565	9,368	8,901
19	8	98.647	37.313,292	690.566,970	18,507	18,040	69	58	71.322	2.088,801	18.926,778	9,061	8,594
20	9	98.558	35.420,106	653.253,678	18,443	17,976	70	59	69.151	1.924,190	16.837,977	8,751	8,284
21	10	98.477	33.625,549	617.833,572	18,374	17,907	71	60	66.837	1.767,043	14.913,787	8,440	7,973
22	11	98.391	31.920,530	584.208,024	18,302	17,835	72	61	64.376	1.617,081	13.146,744	8,130	7,663
23	12	98.308	30.302,586	552.287,494	18,226	17,759	73	62	61.760	1.473,988	11.529,663	7,822	7,355
24	13	98.227	28.767,272	521.984,908	18,145	17,678	74	63	58.991	1.337,676	10.055,675	7,517	7,050
25	14	98.146	27.309,847	493.217,636	18,060	17,593	75	64	56.102	1.208,714	8.717,999	7,213	6,746
26	15	98.063	25.925,597	465.907,789	17,971	17,504	76	65	53.117	1.087,314	7.509,285	6,906	6,439
27	16	97.975	24.610,382	439.982,192	17,878	17,411	77	66	50.055	973,525	6.421,971	6,597	6,130
28	17	97.884	23.361,115	415.371,810	17,780	17,314	78	67	46.887	866,417	5.448,446	6,288	5,822
29	18	97.791	22.174,639	392.010,694	17,678	17,212	79	68	43.593	765,368	4.582,029	5,987	5,520
30	19	97.694	21.047,668	369.836,055	17,571	17,105	80	69	40.225	671,002	3.816,660	5,688	5,221
31	20	97.595	19.977,635	348.788,388	17,459	16,992	81	70	36.760	582,621	3.145,659	5,399	4,932
32	21	97.488	18.960,146	328.810,753	17,342	16,875	82	71	33.262	500,888	2.563,037	5,117	4,650
33	22	97.384	17.995,228	309.850,606	17,218	16,752	83	72	29.652	424,242	2.062,150	4,861	4,394
34	23	97.272	17.077,981	291.855,378	17,090	16,623	84	73	26.150	355,481	1.637,908	4,608	4,141
35	24	97.154	16.206,383	274.777,397	16,955	16,488	85	74	22.793	294,385	1.282,427	4,356	3,889
36	25	97.026	15.377,696	258.571,014	16,815	16,348	86	75	19.686	241,572	988,041	4,090	3,623
37	26	96.892	14.590,553	243.193,317	16,668	16,201	87	76	16.635	193,955	746,470	3,849	3,382
38	27	96.748	13.842,134	228.602,764	16,515	16,048	88	77	13.728	152,073	552,514	3,633	3,166
39	28	96.587	13.129,721	214.760,630	16,357	15,890	89	78	11.083	116,652	400,441	3,433	2,966
40	29	96.409	12.451,870	201.630,908	16,193	15,726	90	79	8.753	87,537	283,789	3,242	2,775
41	30	96.215	11.806,924	189.179,038	16,023	15,556	91	80	6.758	64,214	196,252	3,056	2,589
42	31	96.001	11.193,003	177.372,114	15,847	15,380	92	81	5.062	45,694	132,038	2,890	2,423
43	32	95.755	10.607,437	166.179,111	15,666	15,199	93	82	3.681	31,569	86,344	2,735	2,268
44	33	95.484	10.049,801	155.571,674	15,480	15,013	94	83	2.590	21,108	54,774	2,595	2,128
45	34	95.190	9.519,082	145.521,873	15,287	14,821	95	84	1.765	13,668	33,667	2,463	1,996
46	35	94.852	9.012,202	136.002,790	15,091	14,624	96	85	1.161	8,544	19,999	2,341	1,874
47	36	94.482	8.529,229	126.990,589	14,889	14,422	97	86	739	5,163	11,455	2,219	1,752
48	37	94.075	8.068,843	118.461,359	14,681	14,215	98	87	450	2,987	6,292	2,107	1,640
49	38	93.633	7.630,379	110.392,517	14,468	14,001	99	88	261	1,646	3,305	2,008	1,541
							100	89	144	0,866	1,659	1,916	1,449

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 12 Jahre

Zinsfuß 5,25%

Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	38	93.213	7.217,227	103.079,621	14,282	13,816
1							51	39	92.686	6.818,470	95.862,394	14,059	13,592
2							52	40	92.132	6.439,636	89.043,924	13,827	13,361
3							53	41	91.512	6.077,243	82.604,288	13,592	13,126
4							54	42	90.847	5.732,138	76.527,045	13,351	12,884
5							55	43	90.129	5.403,148	70.794,908	13,103	12,636
6							56	44	89.338	5.088,591	65.391,760	12,851	12,384
7							57	45	88.515	4.790,226	60.303,169	12,589	12,122
8							58	46	87.610	4.504,746	55.512,943	12,323	11,856
9							59	47	86.619	4.231,641	51.008,197	12,054	11,587
10							60	48	85.542	3.970,565	46.776,555	11,781	11,314
11							61	49	84.399	3.722,128	42.805,991	11,500	11,034
12	0	99.370	53.776,044	1.014.212,867	18,860	18,393	62	50	83.185	3.485,578	39.083,862	11,213	10,746
13	1	98.980	50.892,982	960.436,823	18,872	18,405	63	51	81.857	3.258,850	35.598,285	10,924	10,457
14	2	98.931	48.330,792	909.543,840	18,819	18,352	64	52	80.450	3.043,075	32.339,435	10,627	10,160
15	3	98.893	45.902,444	861.213,048	18,762	18,295	65	53	78.941	2.837,050	29.296,360	10,326	9,860
16	4	98.853	43.595,001	815.310,604	18,702	18,235	66	54	77.314	2.639,965	26.459,309	10,023	9,556
17	5	98.802	41.399,216	771.715,603	18,641	18,174	67	55	75.571	2.451,728	23.819,344	9,715	9,249
18	6	98.740	39.309,096	730.316,387	18,579	18,112	68	56	73.672	2.270,904	21.367,616	9,409	8,943
19	7	98.656	37.316,542	691.007,291	18,517	18,051	69	57	71.642	2.098,165	19.096,712	9,102	8,635
20	8	98.567	35.423,506	653.690,749	18,454	17,987	70	58	69.485	1.933,501	16.998,546	8,792	8,325
21	9	98.483	33.627,722	618.267,243	18,386	17,919	71	59	67.178	1.776,072	15.065,045	8,482	8,015
22	10	98.400	31.923,214	584.639,521	18,314	17,847	72	60	64.732	1.626,031	13.288,973	8,173	7,706
23	11	98.317	30.305,428	552.716,307	18,238	17,771	73	61	62.110	1.482,329	11.662,942	7,868	7,401
24	12	98.235	28.769,715	522.410,879	18,158	17,692	74	62	59.365	1.346,147	10.180,612	7,563	7,096
25	13	98.155	27.312,493	493.641,163	18,074	17,607	75	63	56.487	1.216,992	8.834,465	7,259	6,792
26	14	98.074	25.928,618	466.328,670	17,985	17,518	76	64	53.508	1.095,324	7.617,473	6,955	6,488
27	15	97.992	24.614,780	440.400,052	17,892	17,425	77	65	50.467	981,542	6.522,149	6,645	6,178
28	16	97.905	23.366,064	415.785,272	17,794	17,328	78	66	47.315	874,335	5.540,608	6,337	5,870
29	17	97.812	22.179,519	392.419,208	17,693	17,226	79	67	44.041	773,228	4.666,272	6,035	5,568
30	18	97.722	21.053,722	370.239,689	17,585	17,119	80	68	40.690	678,765	3.893,044	5,735	5,269
31	19	97.622	19.983,174	349.185,967	17,474	17,007	81	69	37.235	590,151	3.214,279	5,447	4,980
32	20	97.518	18.966,137	329.202,792	17,357	16,891	82	70	33.742	508,110	2.624,128	5,164	4,698
33	21	97.408	17.999,632	310.236,655	17,236	16,769	83	71	30.140	431,233	2.116,019	4,907	4,440
34	22	97.298	17.082,606	292.237,023	17,107	16,640	84	72	26.630	362,008	1.684,786	4,654	4,187
35	23	97.179	16.210,613	275.154,417	16,974	16,507	85	73	23.267	300,508	1.322,778	4,402	3,935
36	24	97.052	15.381,875	258.943,804	16,834	16,368	86	74	20.144	247,198	1.022,270	4,135	3,669
37	25	96.916	14.594,145	243.561,929	16,689	16,222	87	75	17.078	199,118	775,072	3,893	3,426
38	26	96.775	13.846,010	228.967,785	16,537	16,070	88	76	14.137	156,607	575,954	3,678	3,211
39	27	96.615	13.133,549	215.121,774	16,380	15,913	89	77	11.456	120,575	419,347	3,478	3,011
40	28	96.438	12.455,568	201.988,225	16,217	15,750	90	78	9.090	90,906	298,772	3,287	2,820
41	29	96.243	11.810,381	189.532,658	16,048	15,581	91	79	7.055	67,034	207,867	3,101	2,634
42	30	96.032	11.196,669	177.722,277	15,873	15,406	92	80	5.321	48,034	140,832	2,932	2,465
43	31	95.789	10.611,227	166.525,607	15,693	15,227	93	81	3.898	33,433	92,798	2,776	2,309
44	32	95.518	10.053,376	155.914,380	15,509	15,042	94	82	2.769	22,566	59,365	2,631	2,164
45	33	95.228	9.522,887	145.861,004	15,317	14,850	95	83	1.901	14,723	36,799	2,499	2,033
46	34	94.897	9.016,429	136.338,117	15,121	14,654	96	84	1.263	9,291	22,076	2,376	1,909
47	35	94.530	8.533,598	127.321,688	14,920	14,453	97	85	809	5,654	12,786	2,261	1,795
48	36	94.128	8.073,408	118.788,090	14,714	14,247	98	86	500	3,322	7,132	2,147	1,680
49	37	93.691	7.635,061	110.714,682	14,501	14,034	99	87	296	1,866	3,810	2,042	1,575
							100	88	166	0,997	1,944	1,950	1,483

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 13 Jahre

Zinsfuß 5,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	37	93.270	7.221,655	103.370,027	14,314	13,847
1							51	38	92.751	6.823,243	96.148,372	14,091	13,625
2							52	39	92.206	6.444,793	89.325,129	13,860	13,393
3							53	40	91.592	6.082,535	82.880,336	13,626	13,159
4							54	41	90.937	5.737,809	76.797,801	13,385	12,918
5							55	42	90.230	5.409,231	71.059,991	13,137	12,670
6							56	43	89.454	5.095,205	65.650,760	12,885	12,418
7							57	44	88.638	4.796,903	60.555,555	12,624	12,157
8							58	45	87.749	4.511,902	55.758,652	12,358	11,891
9							59	46	86.775	4.239,255	51.246,750	12,089	11,622
10							60	47	85.709	3.978,301	47.007,495	11,816	11,349
11							61	48	84.579	3.730,036	43.029,194	11,536	11,069
12							62	49	83.386	3.493,987	39.299,158	11,248	10,781
13	0	99.357	51.086,956	961.081,101	18,813	18,346	63	50	82.065	3.267,105	35.805,172	10,959	10,493
14	1	98.967	48.348,108	909.994,145	18,822	18,355	64	51	80.674	3.051,550	32.538,067	10,663	10,196
15	2	98.913	45.911,521	861.646,037	18,768	18,301	65	52	79.181	2.845,653	29.486,517	10,362	9,895
16	3	98.870	43.602,485	815.734,516	18,708	18,242	66	53	77.559	2.648,328	26.640,863	10,060	9,593
17	4	98.815	41.404,564	772.132,031	18,648	18,182	67	54	75.834	2.460,286	23.992,536	9,752	9,285
18	5	98.752	39.314,235	730.727,467	18,587	18,120	68	55	73.952	2.279,536	21.532,250	9,446	8,979
19	6	98.665	37.319,981	691.413,232	18,527	18,060	69	56	71.930	2.106,623	19.252,714	9,139	8,672
20	7	98.576	35.426,591	654.093,251	18,463	17,997	70	57	69.797	1.942,170	17.146,091	8,828	8,362
21	8	98.493	33.630,950	618.666,659	18,396	17,929	71	58	67.504	1.784,667	15.203,922	8,519	8,052
22	9	98.406	31.925,277	585.035,710	18,325	17,858	72	59	65.063	1.634,340	13.419,255	8,211	7,744
23	10	98.325	30.307,977	553.110,432	18,250	17,783	73	60	62.453	1.490,534	11.784,915	7,907	7,440
24	11	98.244	28.772,414	522.802,455	18,170	17,703	74	61	59.701	1.353,765	10.294,382	7,604	7,137
25	12	98.164	27.314,813	494.030,042	18,087	17,620	75	62	56.844	1.224,699	8.940,617	7,300	6,833
26	13	98.084	25.931,131	466.715,229	17,998	17,531	76	63	53.875	1.102,825	7.715,918	6,997	6,530
27	14	98.004	24.617,648	440.784,098	17,905	17,438	77	64	50.839	988,772	6.613,092	6,688	6,221
28	15	97.922	23.370,239	416.166,450	17,808	17,341	78	65	47.705	881,535	5.624,320	6,380	5,913
29	16	97.833	22.184,217	392.796,210	17,706	17,239	79	66	44.443	780,295	4.742,785	6,078	5,611
30	17	97.743	21.058,356	370.611,993	17,599	17,132	80	67	41.108	685,735	3.962,490	5,778	5,312
31	18	97.651	19.988,923	349.553,637	17,487	17,021	81	68	37.666	596,979	3.276,754	5,489	5,022
32	19	97.545	18.971,396	329.564,714	17,372	16,905	82	69	34.178	514,676	2.679,776	5,207	4,740
33	20	97.438	18.005,319	310.593,319	17,250	16,783	83	70	30.575	437,451	2.165,100	4,949	4,483
34	21	97.322	17.086,787	292.587,999	17,124	16,657	84	71	27.069	367,974	1.727,649	4,695	4,228
35	22	97.205	16.215,003	275.501,213	16,991	16,524	85	72	23.694	306,025	1.359,676	4,443	3,976
36	23	97.077	15.385,889	259.286,210	16,852	16,385	86	73	20.563	252,339	1.053,651	4,176	3,709
37	24	96.943	14.598,111	243.900,320	16,708	16,241	87	74	17.476	203,756	801,312	3,933	3,466
38	25	96.799	13.849,418	229.302,210	16,557	16,090	88	75	14.513	160,775	597,556	3,717	3,250
39	26	96.642	13.137,227	215.452,791	16,400	15,933	89	76	11.797	124,169	436,780	3,518	3,051
40	27	96.466	12.459,199	202.315,565	16,238	15,771	90	77	9.396	93,963	312,611	3,327	2,860
41	28	96.272	11.813,888	189.856,366	16,071	15,604	91	78	7.327	69,614	218,649	3,141	2,674
42	29	96.060	11.199,948	178.042,478	15,897	15,430	92	79	5.555	50,143	149,034	2,972	2,505
43	30	95.820	10.614,703	166.842,531	15,718	15,251	93	80	4.098	35,145	98,891	2,814	2,347
44	31	95.552	10.056,968	156.227,828	15,534	15,067	94	81	2.933	23,898	63,746	2,667	2,201
45	32	95.262	9.526,275	146.170,860	15,344	14,877	95	82	2.033	15,740	39,847	2,532	2,065
46	33	94.935	9.020,033	136.644,585	15,149	14,682	96	83	1.360	10,008	24,108	2,409	1,942
47	34	94.575	8.537,601	127.624,552	14,949	14,482	97	84	880	6,148	14,100	2,293	1,827
48	35	94.176	8.077,543	119.086,951	14,743	14,276	98	85	548	3,637	7,952	2,186	1,719
49	36	93.744	7.639,381	111.009,408	14,531	14,064	99	86	329	2,075	4,314	2,079	1,612
							100	87	189	1,131	2,239	1,981	1,514

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 14 Jahre

Zinsfuß 5,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	36	93.323	7.225,741	103.635,670	14,343	13,876
1							51	37	92.808	6.827,430	96.409,928	14,121	13,654
2							52	38	92.270	6.449,305	89.582,499	13,890	13,423
3							53	39	91.665	6.087,407	83.133,194	13,657	13,190
4							54	40	91.016	5.742,805	77.045,788	13,416	12,949
5							55	41	90.319	5.414,584	71.302,982	13,169	12,702
6							56	42	89.555	5.100,942	65.888,399	12,917	12,450
7							57	43	88.753	4.803,138	60.787,457	12,656	12,189
8							58	44	87.871	4.518,191	55.984,319	12,391	11,924
9							59	45	86.913	4.245,989	51.466,128	12,121	11,654
10							60	46	85.863	3.985,459	47.220,139	11,848	11,381
11							61	47	84.744	3.737,303	43.234,680	11,568	11,102
12							62	48	83.563	3.501,409	39.497,376	11,280	10,814
13							63	49	82.263	3.274,987	35.995,967	10,991	10,524
14	0	99.344	48.532,382	910.591,711	18,763	18,296	64	50	80.879	3.059,280	32.720,980	10,696	10,229
15	1	98.948	45.927,970	862.059,328	18,770	18,303	65	51	79.401	2.853,578	29.661,700	10,395	9,928
16	2	98.890	43.611,108	816.131,359	18,714	18,247	66	52	77.794	2.656,358	26.808,122	10,092	9,625
17	3	98.832	41.411,672	772.520,251	18,655	18,188	67	53	76.075	2.468,079	24.151,764	9,786	9,319
18	4	98.765	39.319,314	731.108,579	18,594	18,127	68	54	74.210	2.287,493	21.683,685	9,479	9,012
19	5	98.678	37.324,860	691.789,265	18,534	18,067	69	55	72.204	2.114,630	19.396,192	9,172	8,706
20	6	98.585	35.429,856	654.464,405	18,472	18,005	70	56	70.078	1.949,998	17.281,562	8,862	8,396
21	7	98.501	33.633,879	619.034,549	18,405	17,938	71	57	67.806	1.792,667	15.331,563	8,552	8,086
22	8	98.415	31.928,342	585.400,670	18,335	17,868	72	58	65.378	1.642,248	13.538,896	8,244	7,777
23	9	98.332	30.309,935	553.472,328	18,260	17,794	73	59	62.772	1.498,150	11.896,648	7,941	7,474
24	10	98.252	28.774,833	523.162,392	18,181	17,714	74	60	60.031	1.361,258	10.398,498	7,639	7,172
25	11	98.173	27.317,375	494.387,559	18,098	17,631	75	61	57.166	1.231,629	9.037,240	7,338	6,871
26	12	98.092	25.933,333	467.070,184	18,010	17,544	76	62	54.216	1.109,809	7.805,611	7,033	6,566
27	13	98.013	24.620,034	441.136,851	17,918	17,451	77	63	51.187	995,544	6.695,801	6,726	6,259
28	14	97.934	23.372,963	416.516,817	17,820	17,354	78	64	48.056	888,029	5.700,257	6,419	5,952
29	15	97.850	22.188,182	393.143,854	17,719	17,252	79	65	44.809	786,721	4.812,228	6,117	5,650
30	16	97.764	21.062,816	370.955,673	17,612	17,145	80	66	41.484	692,003	4.025,508	5,817	5,350
31	17	97.672	19.993,322	349.892,857	17,500	17,034	81	67	38.053	603,109	3.333,505	5,527	5,060
32	18	97.573	18.976,853	329.899,535	17,384	16,918	82	68	34.573	520,631	2.730,396	5,244	4,778
33	19	97.465	18.010,312	310.922,681	17,264	16,797	83	69	30.970	443,104	2.209,765	4,987	4,520
34	20	97.353	17.092,185	292.912,369	17,137	16,670	84	70	27.459	373,279	1.766,661	4,733	4,266
35	21	97.229	16.218,971	275.820,184	17,006	16,539	85	71	24.084	311,068	1.393,382	4,479	4,013
36	22	97.104	15.390,056	259.601,213	16,868	16,401	86	72	20.940	256,972	1.082,314	4,212	3,745
37	23	96.968	14.601,920	244.211,157	16,725	16,258	87	73	17.839	207,993	825,342	3,968	3,501
38	24	96.825	13.853,182	229.609,236	16,574	16,108	88	74	14.851	164,520	617,349	3,752	3,286
39	25	96.666	13.140,460	215.756,054	16,419	15,952	89	75	12.111	127,474	452,829	3,552	3,086
40	26	96.493	12.462,688	202.615,594	16,258	15,791	90	76	9.676	96,764	325,354	3,362	2,896
41	27	96.300	11.817,332	190.152,907	16,091	15,624	91	77	7.573	71,955	228,591	3,177	2,710
42	28	96.089	11.203,273	178.335,575	15,918	15,451	92	78	5.768	52,073	156,635	3,008	2,541
43	29	95.849	10.617,811	167.132,302	15,741	15,274	93	79	4.277	36,689	104,562	2,850	2,383
44	30	95.583	10.060,262	156.514,491	15,558	15,091	94	80	3.083	25,122	67,874	2,702	2,235
45	31	95.296	9.529,679	146.454,229	15,368	14,901	95	81	2.153	16,669	42,751	2,565	2,098
46	32	94.968	9.023,242	136.924,550	15,175	14,708	96	82	1.454	10,700	26,082	2,438	1,971
47	33	94.612	8.541,013	127.901,309	14,975	14,508	97	83	947	6,622	15,383	2,323	1,856
48	34	94.220	8.081,332	119.360,295	14,770	14,303	98	84	596	3,955	8,761	2,215	1,748
49	35	93.792	7.643,294	111.278,964	14,559	14,092	99	85	360	2,272	4,805	2,115	1,648
							100	86	210	1,257	2,533	2,015	1,548

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 15 Jahre

Zinsfuß 5,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	35	93.371	7.229,442	103.878,606	14,369	13,902
1							51	36	92.860	6.831,292	96.649,163	14,148	13,681
2							52	37	92.327	6.453,262	89.817,871	13,918	13,451
3							53	38	91.729	6.091,668	83.364,609	13,685	13,218
4							54	39	91.089	5.747,405	77.272,941	13,445	12,978
5							55	40	90.398	5.419,298	71.525,536	13,198	12,732
6							56	41	89.643	5.105,989	66.106,238	12,947	12,480
7							57	42	88.853	4.808,546	61.000,249	12,686	12,219
8							58	43	87.985	4.524,064	56.191,703	12,421	11,954
9							59	44	87.034	4.251,908	51.667,640	12,152	11,685
10							60	45	85.999	3.991,790	47.415,732	11,878	11,412
11							61	46	84.896	3.744,028	43.423,942	11,598	11,131
12							62	47	83.726	3.508,232	39.679,914	11,311	10,844
13							63	48	82.437	3.281,944	36.171,683	11,021	10,555
14							64	49	81.074	3.066,660	32.889,739	10,725	10,258
15	0	99.326	46.103,020	862.613,720	18,711	18,244	65	50	79.602	2.860,807	29.823,078	10,425	9,958
16	1	98.925	43.626,732	816.510,700	18,716	18,249	66	51	78.011	2.663,756	26.962,271	10,122	9,655
17	2	98.852	41.419,861	772.883,968	18,660	18,193	67	52	76.305	2.475,563	24.298,515	9,815	9,349
18	3	98.782	39.326,064	731.464,106	18,600	18,133	68	53	74.445	2.294,739	21.822,952	9,510	9,043
19	4	98.690	37.329,682	692.138,043	18,541	18,074	69	54	72.456	2.122,011	19.528,214	9,203	8,736
20	5	98.598	35.434,488	654.808,361	18,479	18,013	70	55	70.344	1.957,411	17.406,203	8,892	8,426
21	6	98.510	33.636,979	619.373,873	18,413	17,947	71	56	68.079	1.799,894	15.448,792	8,583	8,116
22	7	98.424	31.931,123	585.736,894	18,344	17,877	72	57	65.671	1.649,611	13.648,898	8,274	7,807
23	8	98.341	30.312,845	553.805,771	18,270	17,803	73	58	63.076	1.505,399	11.999,288	7,971	7,504
24	9	98.259	28.776,693	523.492,926	18,192	17,725	74	59	60.338	1.368,214	10.493,889	7,670	7,203
25	10	98.181	27.319,672	494.716,233	18,108	17,642	75	60	57.482	1.238,446	9.125,675	7,369	6,902
26	11	98.101	25.935,765	467.396,561	18,021	17,555	76	61	54.523	1.116,090	7.887,229	7,067	6,600
27	12	98.022	24.622,125	441.460,796	17,929	17,463	77	62	51.511	1.001,848	6.771,139	6,759	6,292
28	13	97.943	23.375,228	416.838,671	17,832	17,366	78	63	48.386	894,111	5.769,290	6,453	5,986
29	14	97.862	22.190,767	393.463,443	17,731	17,264	79	64	45.139	792,516	4.875,180	6,152	5,685
30	15	97.782	21.066,580	371.272,676	17,624	17,157	80	65	41.825	697,701	4.082,664	5,852	5,385
31	16	97.693	19.997,557	350.206,096	17,512	17,046	81	66	38.401	608,621	3.384,963	5,562	5,095
32	17	97.595	18.981,030	330.208,539	17,397	16,930	82	67	34.928	525,977	2.776,341	5,278	4,812
33	18	97.493	18.015,493	311.227,509	17,276	16,809	83	68	31.328	448,230	2.250,364	5,021	4,554
34	19	97.380	17.096,925	293.212,016	17,150	16,683	84	69	27.814	378,103	1.802,134	4,766	4,299
35	20	97.260	16.224,096	276.115,091	17,019	16,552	85	70	24.432	315,553	1.424,030	4,513	4,046
36	21	97.128	15.393,823	259.890,996	16,883	16,416	86	71	21.286	261,207	1.108,477	4,244	3,777
37	22	96.994	14.605,875	244.497,173	16,740	16,273	87	72	18.167	211,812	847,270	4,000	3,533
38	23	96.851	13.856,797	229.891,298	16,591	16,124	88	73	15.160	167,941	635,458	3,784	3,317
39	24	96.692	13.144,031	216.034,501	16,436	15,969	89	74	12.393	130,443	467,517	3,584	3,117
40	25	96.517	12.465,755	202.890,470	16,276	15,809	90	75	9.934	99,340	337,074	3,393	2,926
41	26	96.327	11.820,641	190.424,715	16,110	15,643	91	76	7.799	74,100	237,734	3,208	2,741
42	27	96.117	11.206,539	178.604,074	15,937	15,471	92	77	5.962	53,824	163,634	3,040	2,573
43	28	95.877	10.620,963	167.397,535	15,761	15,294	93	78	4.442	38,101	109,809	2,882	2,415
44	29	95.611	10.063,208	156.776,572	15,579	15,112	94	79	3.218	26,225	71,709	2,734	2,268
45	30	95.327	9.532,800	146.713,364	15,390	14,924	95	80	2.263	17,523	45,484	2,596	2,129
46	31	95.002	9.026,466	137.180,564	15,198	14,731	96	81	1.540	11,331	27,961	2,468	2,001
47	32	94.646	8.544,052	128.154,098	14,999	14,532	97	82	1.013	7,080	16,630	2,349	1,882
48	33	94.258	8.084,562	119.610,047	14,795	14,328	98	83	642	4,260	9,550	2,242	1,775
49	34	93.836	7.646,879	111.525,485	14,584	14,118	99	84	392	2,471	5,289	2,141	1,674
							100	85	230	1,377	2,819	2,047	1,580

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 16 Jahre

Zinsfuß 5,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	34	93.414	7.232,833	104.100,769	14,393	13,926
1							51	35	92.908	6.834,792	96.867,936	14,173	13,706
2							52	36	92.379	6.456,913	90.033,145	13,944	13,477
3							53	37	91.786	6.095,406	83.576,232	13,711	13,245
4							54	38	91.153	5.751,428	77.480,826	13,472	13,005
5							55	39	90.470	5.423,639	71.729,398	13,225	12,759
6							56	40	89.721	5.110,435	66.305,759	12,975	12,508
7							57	41	88.941	4.813,304	61.195,324	12,714	12,247
8							58	42	88.085	4.529,158	56.382,021	12,449	11,982
9							59	43	87.147	4.257,434	51.852,863	12,179	11,713
10							60	44	86.119	3.997,354	47.595,429	11,907	11,440
11							61	45	85.031	3.749,975	43.598,075	11,626	11,159
12							62	46	83.876	3.514,544	39.848,100	11,338	10,871
13							63	47	82.598	3.288,339	36.333,556	11,049	10,582
14							64	48	81.246	3.073,175	33.045,217	10,753	10,286
15							65	49	79.794	2.867,708	29.972,042	10,452	9,985
16	0	99.302	43.793,012	817.025,184	18,657	18,190	66	50	78.208	2.670,504	27.104,333	10,150	9,683
17	1	98.887	41.434,701	773.232,172	18,661	18,195	67	51	76.518	2.482,457	24.433,830	9,843	9,376
18	2	98.802	39.333,841	731.797,472	18,605	18,138	68	52	74.671	2.301,697	21.951,372	9,537	9,070
19	3	98.707	37.336,090	692.463,631	18,547	18,080	69	53	72.685	2.128,733	19.649,675	9,231	8,764
20	4	98.611	35.439,065	655.127,541	18,486	18,019	70	54	70.590	1.964,243	17.520,943	8,920	8,453
21	5	98.523	33.641,376	619.688,475	18,420	17,954	71	55	68.338	1.806,735	15.556,700	8,610	8,144
22	6	98.433	31.934,066	586.047,099	18,352	17,885	72	56	65.936	1.656,260	13.749,965	8,302	7,835
23	7	98.350	30.315,485	554.113,034	18,278	17,811	73	57	63.359	1.512,148	12.093,705	7,998	7,531
24	8	98.268	28.779,455	523.797,548	18,200	17,734	74	58	60.630	1.374,834	10.581,556	7,697	7,230
25	9	98.187	27.321,438	495.018,093	18,118	17,652	75	59	57.776	1.244,774	9.206,722	7,396	6,930
26	10	98.109	25.937,947	467.696,655	18,031	17,565	76	60	54.825	1.122,267	7.961,948	7,095	6,628
27	11	98.031	24.624,434	441.758,709	17,940	17,473	77	61	51.803	1.007,518	6.839,680	6,789	6,322
28	12	97.952	23.377,213	417.134,274	17,844	17,377	78	62	48.692	899,773	5.832,162	6,482	6,015
29	13	97.871	22.192,918	393.757,061	17,742	17,276	79	63	45.448	797,944	4.932,390	6,181	5,715
30	14	97.793	21.069,035	371.564,144	17,636	17,169	80	64	42.133	702,841	4.134,446	5,882	5,416
31	15	97.710	20.001,130	350.495,108	17,524	17,057	81	65	38.717	613,633	3.431,605	5,592	5,125
32	16	97.616	18.985,050	330.493,978	17,408	16,941	82	66	35.248	530,784	2.817,972	5,309	4,842
33	17	97.515	18.019,458	311.508,928	17,287	16,821	83	67	31.650	452,833	2.287,188	5,051	4,584
34	18	97.408	17.101,843	293.489,470	17,161	16,694	84	68	28.136	382,478	1.834,354	4,796	4,329
35	19	97.287	16.228,594	276.387,627	17,031	16,564	85	69	24.747	319,631	1.451,876	4,542	4,076
36	20	97.158	15.398,686	260.159,033	16,895	16,428	86	70	21.592	264,973	1.132,245	4,273	3,806
37	21	97.018	14.609,449	244.760,346	16,754	16,287	87	71	18.466	215,303	867,272	4,028	3,561
38	22	96.877	13.860,550	230.150,897	16,605	16,138	88	72	15.438	171,025	651,970	3,812	3,345
39	23	96.717	13.147,461	216.290,347	16,451	15,984	89	73	12.651	133,156	480,945	3,612	3,145
40	24	96.543	12.469,143	203.142,886	16,292	15,825	90	74	10.165	101,653	347,789	3,421	2,955
41	25	96.351	11.823,550	190.673,743	16,127	15,660	91	75	8.006	76,073	246,136	3,236	2,769
42	26	96.144	11.209,677	178.850,193	15,955	15,488	92	76	6.140	55,429	170,063	3,068	2,601
43	27	95.905	10.624,059	167.640,516	15,779	15,313	93	77	4.591	39,382	114,634	2,911	2,444
44	28	95.640	10.066,195	157.016,456	15,598	15,132	94	78	3.342	27,235	75,252	2,763	2,296
45	29	95.355	9.535,591	146.950,261	15,411	14,944	95	79	2.362	18,292	48,018	2,625	2,158
46	30	95.034	9.029,422	137.414,670	15,219	14,752	96	80	1.619	11,911	29,726	2,496	2,029
47	31	94.680	8.547,105	128.385,247	15,021	14,554	97	81	1.073	7,498	17,814	2,376	1,909
48	32	94.291	8.087,438	119.838,143	14,818	14,351	98	82	686	4,555	10,316	2,265	1,798
49	33	93.873	7.649,936	111.750,705	14,608	14,141	99	83	422	2,662	5,761	2,165	1,698
							100	84	250	1,497	3,100	2,070	1,604

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 17 Jahre

Zinsfuß 5,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	33	93.452	7.235,725	104.303,717	14,415	13,948
1							51	34	92.951	6.837,997	97.067,993	14,195	13,729
2							52	35	92.427	6.460,220	90.229,996	13,967	13,500
3							53	36	91.837	6.098,854	83.769,775	13,735	13,269
4							54	37	91.209	5.754,957	77.670,921	13,496	13,030
5							55	38	90.534	5.427,435	71.915,964	13,250	12,784
6							56	39	89.793	5.114,528	66.488,529	13,000	12,533
7							57	40	89.019	4.817,495	61.374,001	12,740	12,273
8							58	41	88.172	4.533,639	56.556,506	12,475	12,008
9							59	42	87.245	4.262,228	52.022,867	12,206	11,739
10							60	43	86.231	4.002,550	47.760,639	11,933	11,466
11							61	44	85.149	3.755,202	43.758,090	11,653	11,186
12							62	45	84.010	3.520,127	40.002,887	11,364	10,897
13							63	46	82.747	3.294,255	36.482,761	11,075	10,608
14							64	47	81.404	3.079,163	33.188,505	10,778	10,312
15							65	48	79.964	2.873,801	30.109,342	10,477	10,010
16							66	49	78.397	2.676,946	27.235,541	10,174	9,707
17	0	99.264	41.592,625	773.709,746	18,602	18,135	67	50	76.712	2.488,745	24.558,595	9,868	9,401
18	1	98.837	39.347,933	732.117,121	18,606	18,139	68	51	74.879	2.308,107	22.069,850	9,562	9,095
19	2	98.727	37.343,474	692.769,188	18,551	18,084	69	52	72.906	2.135,188	19.761,743	9,255	8,788
20	3	98.628	35.445,149	655.425,715	18,491	18,024	70	53	70.813	1.970,465	17.626,555	8,945	8,479
21	4	98.536	33.645,722	619.980,565	18,427	17,960	71	54	68.577	1.813,042	15.656,090	8,635	8,168
22	5	98.446	31.938,241	586.334,844	18,358	17,892	72	55	66.186	1.662,556	13.843,048	8,326	7,860
23	6	98.359	30.318,279	554.396,603	18,286	17,819	73	56	63.614	1.518,243	12.180,493	8,023	7,556
24	7	98.277	28.781,962	524.078,324	18,209	17,742	74	57	60.902	1.380,998	10.662,249	7,721	7,254
25	8	98.197	27.324,060	495.296,362	18,127	17,660	75	58	58.056	1.250,798	9.281,251	7,420	6,953
26	9	98.116	25.939,623	467.972,301	18,041	17,574	76	59	55.105	1.128,002	8.030,454	7,119	6,652
27	10	98.039	24.626,505	442.032,679	17,949	17,483	77	60	52.090	1.013,094	6.902,452	6,813	6,346
28	11	97.961	23.379,405	417.406,174	17,854	17,387	78	61	48.967	904,865	5.889,358	6,509	6,042
29	12	97.880	22.194,803	394.026,768	17,753	17,286	79	62	45.736	802,997	4.984,493	6,207	5,741
30	13	97.802	21.071,077	371.831,965	17,647	17,180	80	63	42.422	707,654	4.181,496	5,909	5,442
31	14	97.722	20.003,461	350.760,889	17,535	17,068	81	64	39.002	618,154	3.473,842	5,620	5,153
32	15	97.633	18.988,443	330.757,427	17,419	16,952	82	65	35.538	535,155	2.855,688	5,336	4,869
33	16	97.536	18.023,275	311.768,984	17,298	16,831	83	66	31.939	456,972	2.320,533	5,078	4,611
34	17	97.429	17.105,607	293.745,710	17,172	16,706	84	67	28.425	386,406	1.863,561	4,823	4,356
35	18	97.315	16.233,263	276.640,103	17,042	16,575	85	68	25.034	323,329	1.477,155	4,569	4,102
36	19	97.185	15.402,956	260.406,840	16,906	16,439	86	69	21.872	268,397	1.153,826	4,299	3,832
37	20	97.049	14.614,065	245.003,884	16,765	16,298	87	70	18.732	218,407	885,429	4,054	3,587
38	21	96.901	13.863,942	230.389,819	16,618	16,151	88	71	15.693	173,843	667,022	3,837	3,370
39	22	96.743	13.151,022	216.525,877	16,465	15,998	89	72	12.883	135,601	493,179	3,637	3,170
40	23	96.568	12.472,397	203.374,855	16,306	15,839	90	73	10.376	103,767	357,578	3,446	2,979
41	24	96.377	11.826,763	190.902,458	16,142	15,675	91	74	8.193	77,844	253,811	3,260	2,794
42	25	96.168	11.212,436	179.075,695	15,971	15,504	92	75	6.303	56,904	175,966	3,092	2,626
43	26	95.932	10.627,035	167.863,259	15,796	15,329	93	76	4.728	40,556	119,062	2,936	2,469
44	27	95.668	10.069,130	157.236,224	15,616	15,149	94	77	3.454	28,151	78,506	2,789	2,322
45	28	95.383	9.538,422	147.167,094	15,429	14,962	95	78	2.453	18,996	50,356	2,651	2,184
46	29	95.061	9.032,066	137.628,672	15,238	14,771	96	79	1.690	12,434	31,359	2,522	2,055
47	30	94.711	8.549,904	128.596,606	15,041	14,574	97	80	1.128	7,882	18,925	2,401	1,934
48	31	94.325	8.090,328	120.046,702	14,838	14,372	98	81	726	4,824	11,043	2,289	1,823
49	32	93.906	7.652,657	111.956,374	14,630	14,163	99	82	451	2,846	6,219	2,186	1,719
							100	83	269	1,613	3,374	2,092	1,625

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 18 Jahre

Zinsfuß 5,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	32	93.485	7.238,298	104.489,026	14,436	13,969
1							51	33	92.989	6.840,731	97.250,728	14,216	13,750
2							52	34	92.470	6.463,250	90.409,997	13,988	13,522
3							53	35	91.884	6.101,978	83.946,747	13,757	13,291
4							54	36	91.260	5.758,213	77.844,769	13,519	13,052
5							55	37	90.589	5.430,765	72.086,556	13,274	12,807
6							56	38	89.856	5.118,108	66.655,790	13,024	12,557
7							57	39	89.090	4.821,353	61.537,682	12,764	12,297
8							58	40	88.248	4.537,587	56.716,329	12,499	12,032
9							59	41	87.331	4.266,445	52.178,742	12,230	11,763
10							60	42	86.328	4.007,056	47.912,297	11,957	11,490
11							61	43	85.260	3.760,083	43.905,241	11,677	11,210
12							62	44	84.127	3.525,034	40.145,158	11,389	10,922
13							63	45	82.878	3.299,488	36.620,124	11,099	10,632
14							64	46	81.551	3.084,703	33.320,636	10,802	10,335
15							65	47	80.120	2.879,400	30.235,933	10,501	10,034
16							66	48	78.563	2.682,633	27.356,533	10,198	9,731
17							67	49	76.897	2.494,750	24.673,900	9,890	9,424
18	0	99.214	39.497,904	732.560,553	18,547	18,080	68	50	75.069	2.313,954	22.179,150	9,585	9,118
19	1	98.762	37.356,853	693.062,649	18,552	18,086	69	51	73.109	2.141,134	19.865,196	9,278	8,811
20	2	98.647	35.452,159	655.705,796	18,496	18,029	70	52	71.028	1.976,440	17.724,062	8,968	8,501
21	3	98.553	33.651,498	620.253,638	18,432	17,965	71	53	68.794	1.818,784	15.747,622	8,658	8,192
22	4	98.459	31.942,366	586.602,140	18,364	17,898	72	54	66.417	1.668,359	13.928,838	8,349	7,882
23	5	98.372	30.322,243	554.659,774	18,292	17,825	73	55	63.856	1.524,015	12.260,479	8,045	7,578
24	6	98.286	28.784,614	524.337,531	18,216	17,749	74	56	61.147	1.386,565	10.736,464	7,743	7,276
25	7	98.205	27.326,440	495.552,916	18,135	17,668	75	57	58.316	1.256,405	9.349,900	7,442	6,975
26	8	98.125	25.942,113	468.226,476	18,049	17,582	76	58	55.371	1.133,460	8.093,494	7,141	6,674
27	9	98.046	24.628,097	442.284,363	17,959	17,492	77	59	52.356	1.018,271	6.960,034	6,835	6,368
28	10	97.969	23.381,372	417.656,266	17,863	17,396	78	60	49.239	909,873	5.941,763	6,530	6,064
29	11	97.889	22.196,884	394.274,895	17,763	17,296	79	61	45.995	807,541	5.031,890	6,231	5,764
30	12	97.811	21.072,867	372.078,011	17,657	17,190	80	62	42.690	712,135	4.224,349	5,932	5,465
31	13	97.731	20.005,400	351.005,144	17,546	17,079	81	63	39.269	622,387	3.512,214	5,643	5,176
32	14	97.644	18.990,656	330.999,744	17,430	16,963	82	64	35.800	539,098	2.889,827	5,360	4,894
33	15	97.553	18.026,495	312.009,089	17,308	16,842	83	65	32.202	460,735	2.350,729	5,102	4,635
34	16	97.450	17.109,230	293.982,593	17,183	16,716	84	66	28.685	389,937	1.889,994	4,847	4,380
35	17	97.336	16.236,835	276.873,363	17,052	16,585	85	67	25.291	326,650	1.500,057	4,592	4,125
36	18	97.213	15.407,387	260.636,528	16,916	16,450	86	68	22.125	271,503	1.173,408	4,322	3,855
37	19	97.075	14.618,117	245.229,141	16,776	16,309	87	69	18.974	221,229	901,905	4,077	3,610
38	20	96.931	13.868,322	230.611,023	16,629	16,162	88	70	15.919	176,350	680,676	3,860	3,393
39	21	96.767	13.154,240	216.742,701	16,477	16,010	89	71	13.096	137,836	504,326	3,659	3,192
40	22	96.594	12.475,774	203.588,461	16,319	15,852	90	72	10.567	105,672	366,490	3,468	3,001
41	23	96.402	11.829,850	191.112,686	16,155	15,685	91	73	8.363	79,463	260,818	3,282	2,815
42	24	96.194	11.215,483	179.282,836	15,985	15,519	92	74	6.450	58,230	181,355	3,114	2,648
43	25	95.955	10.629,650	168.067,353	15,811	15,344	93	75	4.854	41,635	123,125	2,957	2,490
44	26	95.694	10.071,950	157.437,703	15,631	15,165	94	76	3.557	28,990	81,490	2,811	2,344
45	27	95.411	9.541,203	147.365,753	15,445	14,978	95	77	2.536	19,635	52,500	2,674	2,207
46	28	95.090	9.034,748	137.824,550	15,255	14,788	96	78	1.755	12,913	32,865	2,545	2,078
47	29	94.739	8.552,407	128.789,803	15,059	14,592	97	79	1.177	8,228	19,952	2,425	1,958
48	30	94.356	8.092,978	120.237,395	14,857	14,390	98	80	764	5,071	11,724	2,312	1,845
49	31	93.940	7.655,391	112.144,418	14,649	14,182	99	81	478	3,014	6,653	2,208	1,741
							100	82	288	1,724	3,640	2,111	1,644

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 19 Jahre

Zinsfuß 5,25%

Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	31	93.518	7.240,885	104.658,443	14,454	13,987
1							51	32	93.022	6.843,164	97.417,558	14,236	13,769
2							52	33	92.507	6.465,834	90.574,394	14,008	13,541
3							53	34	91.928	6.104,840	84.108,560	13,777	13,311
4							54	35	91.307	5.761,163	78.003,720	13,540	13,073
5							55	36	90.641	5.433,838	72.242,557	13,295	12,828
6							56	37	89.911	5.121,248	66.808,719	13,045	12,579
7							57	38	89.152	4.824,728	61.687,471	12,786	12,319
8							58	39	88.319	4.541,221	56.862,743	12,521	12,055
9							59	40	87.407	4.270,160	52.321,522	12,253	11,786
10							60	41	86.413	4.011,021	48.051,362	11,980	11,513
11							61	42	85.356	3.764,317	44.040,341	11,699	11,233
12							62	43	84.236	3.529,615	40.276,024	11,411	10,944
13							63	44	82.994	3.304,088	36.746,409	11,121	10,655
14							64	45	81.680	3.089,603	33.442,322	10,824	10,357
15							65	46	80.264	2.884,581	30.352,718	10,522	10,056
16							66	47	78.716	2.687,860	27.468,137	10,219	9,753
17							67	48	77.060	2.500,050	24.780,277	9,912	9,445
18							68	49	75.250	2.319,536	22.280,228	9,605	9,139
19	0	99.139	37.499,235	693.474,471	18,493	18,026	69	50	73.294	2.146,558	19.960,691	9,299	8,832
20	1	98.683	35.464,860	655.975,237	18,496	18,030	70	51	71.226	1.981,944	17.814,133	8,988	8,521
21	2	98.572	33.658,153	620.510,377	18,436	17,969	71	52	69.003	1.824,300	15.832,189	8,679	8,212
22	3	98.475	31.947,850	586.852,224	18,369	17,902	72	53	66.628	1.673,643	14.007,890	8,370	7,903
23	4	98.384	30.326,160	554.904,374	18,298	17,831	73	54	64.079	1.529,334	12.334,246	8,065	7,598
24	5	98.299	28.788,378	524.578,215	18,222	17,755	74	55	61.380	1.391,835	10.804,912	7,763	7,296
25	6	98.215	27.328,959	495.789,837	18,142	17,675	75	56	58.551	1.261,470	9.413,077	7,462	6,995
26	7	98.134	25.944,373	468.460,878	18,056	17,590	76	57	55.620	1.138,541	8.151,607	7,160	6,693
27	8	98.055	24.630,461	442.516,506	17,966	17,499	77	58	52.609	1.023,198	7.013,066	6,854	6,387
28	9	97.975	23.382,883	417.886,045	17,871	17,405	78	59	49.490	914,522	5.989,868	6,550	6,083
29	10	97.897	22.198,751	394.503,162	17,771	17,305	79	60	46.250	812,011	5.075,345	6,250	5,784
30	11	97.820	21.074,843	372.304,411	17,666	17,199	80	61	42.932	716,166	4.263,335	5,953	5,486
31	12	97.739	20.007,099	351.229,568	17,555	17,088	81	62	39.518	626,328	3.547,169	5,663	5,197
32	13	97.654	18.992,496	331.222,470	17,440	16,973	82	63	36.045	542,790	2.920,841	5,381	4,914
33	14	97.564	18.028,596	312.229,974	17,319	16,852	83	64	32.439	464,129	2.378,051	5,124	4,657
34	15	97.467	17.112,287	294.201,377	17,192	16,726	84	65	28.921	393,148	1.913,922	4,868	4,401
35	16	97.357	16.240,275	277.089,090	17,062	16,595	85	66	25.522	329,635	1.520,774	4,614	4,147
36	17	97.234	15.410,778	260.848,815	16,926	16,460	86	67	22.352	274,291	1.191,139	4,343	3,876
37	18	97.103	14.622,323	245.438,038	16,785	16,318	87	68	19.194	223,789	916,848	4,097	3,630
38	19	96.958	13.872,168	230.815,715	16,639	16,172	88	69	16.125	178,629	693,059	3,880	3,413
39	20	96.798	13.158,397	216.943,547	16,487	16,020	89	70	13.285	139,823	514,431	3,679	3,212
40	21	96.618	12.478,828	203.785,151	16,330	15,864	90	71	10.741	107,414	374,608	3,488	3,021
41	22	96.428	11.833,053	191.306,323	16,167	15,700	91	72	8.517	80,922	267,194	3,302	2,835
42	23	96.219	11.218,410	179.473,270	15,998	15,531	92	73	6.584	59,441	186,272	3,134	2,667
43	24	95.981	10.632,539	168.254,859	15,825	15,358	93	74	4.967	42,605	126,831	2,977	2,510
44	25	95.718	10.074,429	157.622,320	15,646	15,179	94	75	3.652	29,761	84,226	2,830	2,363
45	26	95.438	9.543,875	147.547,892	15,460	14,993	95	76	2.611	20,220	54,464	2,694	2,227
46	27	95.117	9.037,382	138.004,017	15,270	14,804	96	77	1.814	13,347	34,244	2,566	2,099
47	28	94.767	8.554,947	128.966,636	15,075	14,608	97	78	1.222	8,545	20,897	2,446	1,979
48	29	94.384	8.095,347	120.411,689	14,874	14,407	98	79	797	5,293	12,352	2,334	1,867
49	30	93.971	7.657,899	112.316,342	14,667	14,200	99	80	502	3,168	7,059	2,228	1,762
							100	81	305	1,826	3,891	2,131	1,664

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 20 Jahre

Zinsfuß 5,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	30	93.549	7.243,256	104.813,323	14,470	14,004
1							51	31	93.055	6.845,609	97.570,066	14,253	13,786
2							52	32	92.540	6.468,134	90.724,457	14,026	13,560
3							53	33	91.964	6.107,281	84.256,323	13,796	13,329
4							54	34	91.350	5.763,865	78.149,042	13,558	13,092
5							55	35	90.687	5.436,621	72.385,178	13,314	12,848
6							56	36	89.962	5.124,146	66.948,556	13,065	12,599
7							57	37	89.207	4.827,689	61.824,410	12,806	12,339
8							58	38	88.381	4.544,400	56.996,722	12,542	12,075
9							59	39	87.477	4.273,580	52.452,322	12,274	11,807
10							60	40	86.489	4.014,514	48.178,742	12,001	11,534
11							61	41	85.441	3.768,041	44.164,229	11,721	11,254
12							62	42	84.331	3.533,589	40.396,187	11,432	10,965
13							63	43	83.101	3.308,382	36.862,598	11,142	10,675
14							64	44	81.794	3.093,910	33.554,216	10,845	10,378
15							65	45	80.391	2.889,163	30.460,306	10,543	10,076
16							66	46	78.858	2.692,696	27.571,143	10,239	9,772
17							67	47	77.210	2.504,921	24.878,447	9,932	9,465
18							68	48	75.409	2.324,464	22.373,526	9,625	9,158
19							69	49	73.471	2.151,737	20.049,062	9,318	8,851
20	0	99.059	35.600,031	656.357,813	18,437	17,970	70	50	71.406	1.986,964	17.897,325	9,007	8,541
21	1	98.608	33.670,211	620.757,782	18,436	17,970	71	51	69.195	1.829,380	15.910,361	8,697	8,230
22	2	98.495	31.954,168	587.087,570	18,373	17,906	72	52	66.830	1.678,719	14.080,981	8,388	7,921
23	3	98.401	30.331,366	555.133,403	18,302	17,835	73	53	64.282	1.534,178	12.402,262	8,084	7,617
24	4	98.311	28.792,096	524.802,037	18,227	17,761	74	54	61.594	1.396,693	10.868,084	7,781	7,315
25	5	98.227	27.332,532	496.009,940	18,147	17,680	75	55	58.774	1.266,265	9.471,391	7,480	7,013
26	6	98.143	25.946,763	468.677,409	18,063	17,596	76	56	55.844	1.143,131	8.205,126	7,178	6,711
27	7	98.063	24.632,606	442.730,645	17,973	17,507	77	57	52.845	1.027,785	7.061,995	6,871	6,404
28	8	97.985	23.385,127	418.098,039	17,879	17,412	78	58	49.730	918,948	6.034,210	6,566	6,100
29	9	97.903	22.200,186	394.712,912	17,780	17,313	79	59	46.486	816,160	5.115,262	6,267	5,801
30	10	97.828	21.076,615	372.512,726	17,674	17,207	80	60	43.170	720,129	4.299,102	5,970	5,503
31	11	97.748	20.008,975	351.436,111	17,564	17,097	81	61	39.741	629,873	3.578,973	5,682	5,215
32	12	97.662	18.994,109	331.427,136	17,449	16,982	82	62	36.273	546,227	2.949,100	5,399	4,932
33	13	97.574	18.030,343	312.433,027	17,328	16,861	83	63	32.662	467,308	2.402,873	5,142	4,675
34	14	97.479	17.114,282	294.402,684	17,202	16,735	84	64	29.134	396,044	1.935,565	4,887	4,420
35	15	97.374	16.243,177	277.288,402	17,071	16,604	85	65	25.732	332,349	1.539,521	4,632	4,165
36	16	97.255	15.414,042	261.045,225	16,936	16,469	86	66	22.556	276,798	1.207,172	4,361	3,894
37	17	97.125	14.625,541	245.631,183	16,795	16,328	87	67	19.391	226,087	930,374	4,115	3,648
38	18	96.986	13.876,159	231.005,643	16,648	16,181	88	68	16.311	180,695	704,287	3,898	3,431
39	19	96.825	13.162,045	217.129,484	16,497	16,030	89	69	13.456	141,630	523,592	3,697	3,230
40	20	96.649	12.482,770	203.967,439	16,340	15,873	90	70	10.896	108,963	381,962	3,505	3,039
41	21	96.452	11.835,949	191.484,669	16,178	15,711	91	71	8.657	82,256	272,999	3,319	2,852
42	22	96.245	11.221,448	179.648,719	16,009	15,543	92	72	6.705	60,532	190,743	3,151	2,684
43	23	96.007	10.635,314	168.427,271	15,837	15,370	93	73	5.071	43,491	130,211	2,994	2,527
44	24	95.744	10.077,166	157.791,957	15,658	15,192	94	74	3.737	30,455	86,720	2,848	2,381
45	25	95.461	9.546,224	147.714,791	15,474	15,007	95	75	2.681	20,758	56,266	2,710	2,244
46	26	95.144	9.039,912	138.168,567	15,284	14,817	96	76	1.868	13,745	35,507	2,583	2,116
47	27	94.794	8.557,441	129.128,655	15,090	14,623	97	77	1.264	8,832	21,762	2,464	1,997
48	28	94.412	8.097,751	120.571,214	14,889	14,423	98	78	828	5,497	12,930	2,352	1,885
49	29	93.998	7.660,141	112.473,463	14,683	14,216	99	79	524	3,307	7,433	2,248	1,781
							100	80	320	1,919	4,126	2,150	1,683

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 21 Jahre

Zinsfuß 5,25%

Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	29	93.576	7.245,377	104.954,847	14,486	14,019
1							51	30	93.085	6.847,851	97.709,470	14,269	13,802
2							52	31	92.573	6.470,445	90.861,619	14,043	13,576
3							53	32	91.997	6.109,453	84.391,173	13,813	13,346
4							54	33	91.386	5.766,169	78.281,720	13,576	13,109
5							55	34	90.729	5.439,171	72.515,552	13,332	12,865
6							56	35	90.008	5.126,771	67.076,380	13,084	12,617
7							57	36	89.258	4.830,420	61.949,610	12,825	12,358
8							58	37	88.435	4.547,188	57.119,190	12,561	12,095
9							59	38	87.539	4.276,571	52.572,002	12,293	11,826
10							60	39	86.558	4.017,729	48.295,430	12,021	11,554
11							61	40	85.515	3.771,322	44.277,701	11,741	11,274
12							62	41	84.414	3.537,086	40.506,379	11,452	10,985
13							63	42	83.195	3.312,107	36.969,293	11,162	10,695
14							64	43	81.900	3.097,931	33.657,186	10,864	10,398
15							65	44	80.503	2.893,190	30.559,255	10,562	10,096
16							66	45	78.983	2.696,974	27.666,065	10,258	9,791
17							67	46	77.349	2.509,428	24.969,091	9,950	9,483
18							68	47	75.556	2.328,993	22.459,663	9,644	9,177
19							69	48	73.627	2.156,308	20.130,671	9,336	8,869
20							70	49	71.579	1.991,758	17.974,363	9,024	8,558
21	0	98.983	33.798,542	621.113,296	18,377	17,910	71	50	69.370	1.834,014	15.982,605	8,715	8,248
22	1	98.530	31.965,616	587.314,754	18,373	17,907	72	51	67.016	1.683,394	14.148,590	8,405	7,938
23	2	98.421	30.337,364	555.349,138	18,306	17,839	73	52	64.477	1.538,830	12.465,197	8,100	7,634
24	3	98.328	28.797,039	525.011,774	18,231	17,765	74	53	61.789	1.401,117	10.926,366	7,798	7,332
25	4	98.240	27.336,062	496.214,735	18,152	17,686	75	54	58.979	1.270,685	9.525,249	7,496	7,029
26	5	98.156	25.950,156	468.878,673	18,068	17,602	76	55	56.056	1.147,476	8.254,564	7,194	6,727
27	6	98.072	24.634,876	442.928,517	17,980	17,513	77	56	53.058	1.031,928	7.107,088	6,887	6,420
28	7	97.993	23.387,164	418.293,641	17,886	17,419	78	57	49.953	923,067	6.075,160	6,581	6,115
29	8	97.913	22.202,317	394.906,477	17,787	17,320	79	58	46.711	820,109	5.152,093	6,282	5,815
30	9	97.835	21.077,977	372.704,160	17,682	17,215	80	59	43.390	723,809	4.331,983	5,985	5,518
31	10	97.757	20.010,658	351.626,183	17,572	17,105	81	60	39.961	633,359	3.608,174	5,697	5,230
32	11	97.671	18.995,890	331.615,525	17,457	16,990	82	61	36.478	549,318	2.974,815	5,415	4,949
33	12	97.582	18.031,875	312.619,635	17,337	16,870	83	62	32.868	470,267	2.425,497	5,158	4,691
34	13	97.488	17.115,940	294.587,760	17,211	16,745	84	63	29.334	398,757	1.955,230	4,903	4,437
35	14	97.386	16.245,070	277.471,820	17,080	16,614	85	64	25.922	334,798	1.556,474	4,649	4,182
36	15	97.272	15.416,797	261.226,750	16,944	16,478	86	65	22.742	279,077	1.221,676	4,378	3,911
37	16	97.145	14.628,639	245.809,954	16,803	16,337	87	66	19.568	228,153	942,599	4,131	3,665
38	17	97.007	13.879,212	231.181,315	16,657	16,190	88	67	16.479	182,551	714,446	3,914	3,447
39	18	96.852	13.165,832	217.302,103	16,505	16,038	89	68	13.612	143,268	531,895	3,713	3,246
40	19	96.675	12.486,232	204.136,271	16,349	15,882	90	69	11.037	110,371	388,626	3,521	3,054
41	20	96.482	11.839,689	191.650,040	16,187	15,720	91	70	8.782	83,442	278,255	3,335	2,868
42	21	96.268	11.224,195	179.810,351	16,020	15,553	92	71	6.816	61,530	194,814	3,166	2,699
43	22	96.033	10.638,194	168.586,156	15,847	15,380	93	72	5.164	44,290	133,284	3,009	2,543
44	23	95.769	10.079,796	157.947,962	15,670	15,203	94	73	3.815	31,088	88,994	2,863	2,396
45	24	95.487	9.548,818	147.868,166	15,485	15,019	95	74	2.743	21,242	57,906	2,726	2,259
46	25	95.167	9.042,137	138.319,348	15,297	14,830	96	75	1.918	14,111	36,665	2,598	2,131
47	26	94.821	8.559,837	129.277,211	15,103	14,636	97	76	1.301	9,095	22,554	2,480	2,013
48	27	94.439	8.100,111	120.717,374	14,903	14,436	98	77	856	5,682	13,458	2,369	1,902
49	28	94.026	7.662,415	112.617,262	14,697	14,231	99	78	544	3,434	7,776	2,264	1,798
							100	79	334	2,004	4,342	2,167	1,700

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 22 Jahre

Zinsfuß 5,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	28	93.604	7.247,528	105.084,359	14,499	14,033
1							51	29	93.113	6.849,856	97.836,830	14,283	13,816
2							52	30	92.603	6.472,564	90.986,974	14,057	13,591
3							53	31	92.030	6.111,636	84.514,409	13,828	13,362
4							54	32	91.419	5.768,220	78.402,773	13,592	13,125
5							55	33	90.766	5.441,346	72.634,554	13,349	12,882
6							56	34	90.050	5.129,175	67.193,208	13,100	12,633
7							57	35	89.303	4.832,894	62.064,033	12,842	12,375
8							58	36	88.485	4.549,761	57.231,138	12,579	12,112
9							59	37	87.592	4.279,195	52.681,378	12,311	11,844
10							60	38	86.619	4.020,541	48.402,182	12,039	11,572
11							61	39	85.583	3.774,343	44.381,641	11,759	11,292
12							62	40	84.488	3.540,166	40.607,298	11,470	11,004
13							63	41	83.277	3.315,384	37.067,133	11,180	10,714
14							64	42	81.993	3.101,419	33.751,748	10,883	10,416
15							65	43	80.608	2.896,951	30.650,329	10,580	10,113
16							66	44	79.093	2.700,733	27.753,378	10,276	9,809
17							67	45	77.472	2.513,414	25.052,645	9,968	9,501
18							68	46	75.692	2.333,183	22.539,231	9,660	9,193
19							69	47	73.770	2.160,509	20.206,048	9,352	8,886
20							70	48	71.731	1.995,989	18.045,539	9,041	8,574
21							71	49	69.537	1.838,439	16.049,549	8,730	8,263
22	0	98.906	32.087,450	587.645,212	18,314	17,847	72	50	67.186	1.687,658	14.211,111	8,421	7,954
23	1	98.456	30.348,233	555.557,762	18,306	17,839	73	51	64.657	1.543,116	12.523,453	8,116	7,649
24	2	98.348	28.802,734	525.209,529	18,235	17,768	74	52	61.976	1.405,366	10.980,337	7,813	7,346
25	3	98.257	27.340,755	496.406,795	18,156	17,689	75	53	59.166	1.274,710	9.574,971	7,511	7,045
26	4	98.168	25.953,508	469.066,040	18,073	17,607	76	54	56.252	1.151,481	8.300,261	7,208	6,742
27	5	98.085	24.638,097	443.112,532	17,985	17,518	77	55	53.260	1.035,851	7.148,780	6,901	6,435
28	6	98.002	23.389,319	418.474,436	17,892	17,425	78	56	50.154	926,788	6.112,929	6,596	6,129
29	7	97.921	22.204,251	395.085,116	17,793	17,326	79	57	46.920	823,786	5.186,141	6,295	5,829
30	8	97.844	21.080,001	372.880,866	17,689	17,222	80	58	43.600	727,312	4.362,355	5,998	5,531
31	9	97.763	20.011,951	351.800,865	17,580	17,113	81	59	40.166	636,595	3.635,044	5,710	5,243
32	10	97.680	18.997,488	331.788,914	17,465	16,998	82	60	36.680	552,358	2.998,448	5,428	4,962
33	11	97.591	18.033,566	312.791,426	17,345	16,878	83	61	33.054	472,928	2.446,090	5,172	4,705
34	12	97.497	17.117,394	294.757,860	17,220	16,753	84	62	29.519	401,282	1.973,161	4,917	4,450
35	13	97.395	16.246,644	277.640,466	17,089	16,622	85	63	26.099	337,090	1.571,880	4,663	4,196
36	14	97.284	15.418,593	261.393,823	16,953	16,486	86	64	22.909	281,133	1.234,789	4,392	3,925
37	15	97.163	14.631,253	245.975,229	16,812	16,345	87	65	19.729	230,032	953,656	4,146	3,679
38	16	97.028	13.882,152	231.343,977	16,665	16,198	88	66	16.630	184,219	723,624	3,928	3,461
39	17	96.874	13.168,729	217.461,824	16,514	16,047	89	67	13.752	144,740	539,405	3,727	3,260
40	18	96.703	12.489,824	204.293,096	16,357	15,890	90	68	11.165	111,648	394,665	3,535	3,068
41	19	96.509	11.842,972	191.803,272	16,196	15,729	91	69	8.896	84,520	283,017	3,349	2,882
42	20	96.299	11.227,741	179.960,300	16,028	15,561	92	70	6.914	62,417	198,497	3,180	2,713
43	21	96.056	10.640,797	168.732,559	15,857	15,390	93	71	5.249	45,019	136,080	3,023	2,556
44	22	95.795	10.082,526	158.091,762	15,680	15,213	94	72	3.885	31,659	91,061	2,876	2,410
45	23	95.512	9.551,310	148.009,236	15,496	15,029	95	73	2.800	21,684	59,402	2,739	2,273
46	24	95.193	9.044,594	138.457,926	15,308	14,842	96	74	1.963	14,440	37,719	2,612	2,145
47	25	94.844	8.561,944	129.413,331	15,115	14,648	97	75	1.336	9,337	23,279	2,493	2,026
48	26	94.466	8.102,380	120.851,387	14,916	14,449	98	76	881	5,851	13,941	2,383	1,916
49	27	94.054	7.664,649	112.749,008	14,710	14,243	99	77	563	3,550	8,090	2,279	1,812
							100	78	347	2,081	4,540	2,182	1,715

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 23 Jahre

Zinsfuß 5,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	27	93.631	7.249,641	105.203,004	14,511	14,045
1							51	28	93.140	6.851,890	97.953,363	14,296	13,829
2							52	29	92.630	6.474,460	91.101,473	14,071	13,604
3							53	30	92.060	6.113,638	84.627,013	13,842	13,376
4							54	31	91.451	5.770,281	78.513,375	13,607	13,140
5							55	32	90.798	5.443,281	72.743,094	13,364	12,897
6							56	33	90.086	5.131,226	67.299,813	13,116	12,649
7							57	34	89.345	4.835,161	62.168,588	12,858	12,391
8							58	35	88.531	4.552,091	57.333,427	12,595	12,128
9							59	36	87.642	4.281,617	52.781,335	12,327	11,861
10							60	37	86.672	4.023,008	48.499,719	12,056	11,589
11							61	38	85.643	3.776,985	44.476,710	11,776	11,309
12							62	39	84.555	3.543,001	40.699,726	11,487	11,021
13							63	40	83.350	3.318,271	37.156,725	11,198	10,731
14							64	41	82.074	3.104,488	33.838,454	10,900	10,433
15							65	42	80.699	2.900,212	30.733,966	10,597	10,130
16							66	43	79.196	2.704,243	27.833,753	10,293	9,826
17							67	44	77.580	2.516,917	25.129,510	9,984	9,517
18							68	45	75.813	2.336,890	22.612,592	9,676	9,210
19							69	46	73.903	2.164,396	20.275,703	9,368	8,901
20							70	47	71.871	1.999,878	18.111,306	9,056	8,589
21							71	48	69.685	1.842,344	16.111,428	8,745	8,278
22							72	49	67.348	1.691,729	14.269,083	8,435	7,968
23	0	98.831	30.463,902	555.865,014	18,247	17,780	73	50	64.820	1.547,025	12.577,354	8,130	7,663
24	1	98.383	28.813,053	525.401,111	18,235	17,768	74	51	62.149	1.409,280	11.030,329	7,827	7,360
25	2	98.276	27.346,162	496.588,058	18,159	17,693	75	52	59.345	1.278,575	9.621,049	7,525	7,058
26	3	98.185	25.957,963	469.241,896	18,077	17,610	76	53	56.430	1.155,129	8.342,474	7,222	6,755
27	4	98.098	24.641,279	443.283,933	17,989	17,523	77	54	53.446	1.039,466	7.187,346	6,914	6,448
28	5	98.015	23.392,377	418.642,654	17,897	17,430	78	55	50.345	930,311	6.147,879	6,608	6,142
29	6	97.930	22.206,297	395.250,277	17,799	17,332	79	56	47.109	827,106	5.217,568	6,308	5,841
30	7	97.852	21.081,837	373.043,980	17,695	17,228	80	57	43.796	730,572	4.390,462	6,010	5,543
31	8	97.772	20.013,872	351.962,143	17,586	17,119	81	58	40.360	639,676	3.659,890	5,721	5,255
32	9	97.686	18.998,716	331.948,271	17,472	17,005	82	59	36.868	555,181	3.020,214	5,440	4,973
33	10	97.599	18.035,082	312.949,555	17,352	16,885	83	60	33.237	475,546	2.465,033	5,184	4,717
34	11	97.506	17.118,999	294.914,473	17,227	16,761	84	61	29.686	403,553	1.989,487	4,930	4,463
35	12	97.403	16.248,024	277.795,474	17,097	16,630	85	62	26.264	339,225	1.585,934	4,675	4,208
36	13	97.293	15.420,087	261.547,450	16,961	16,495	86	63	23.066	283,058	1.246,709	4,404	3,938
37	14	97.174	14.632,958	246.127,363	16,820	16,353	87	64	19.875	231,727	963,651	4,159	3,692
38	15	97.045	13.884,633	231.494,405	16,673	16,206	88	65	16.766	185,736	731,924	3,941	3,474
39	16	96.894	13.171,518	217.609,772	16,521	16,054	89	66	13.877	146,063	546,188	3,739	3,273
40	17	96.724	12.492,572	204.438,254	16,365	15,898	90	67	11.279	112,794	400,125	3,547	3,081
41	18	96.537	11.846,379	191.945,681	16,203	15,736	91	68	8.998	85,498	287,331	3,361	2,894
42	19	96.325	11.230,854	180.099,302	16,036	15,569	92	69	7.003	63,223	201,833	3,192	2,726
43	20	96.086	10.644,159	168.868,448	15,865	15,398	93	70	5.324	45,669	138,610	3,035	2,568
44	21	95.818	10.084,994	158.224,289	15,689	15,222	94	71	3.949	32,180	92,941	2,888	2,421
45	22	95.538	9.553,897	148.139,295	15,506	15,039	95	72	2.852	22,082	60,761	2,752	2,285
46	23	95.218	9.046,955	138.585,399	15,318	14,852	96	73	2.004	14,740	38,679	2,624	2,157
47	24	94.870	8.564,271	129.538,444	15,125	14,659	97	74	1.367	9,555	23,939	2,505	2,039
48	25	94.489	8.104,374	120.974,173	14,927	14,460	98	75	905	6,007	14,384	2,395	1,928
49	26	94.080	7.666,795	112.869,799	14,722	14,255	99	76	579	3,656	8,377	2,292	1,825
							100	77	359	2,151	4,721	2,195	1,728

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 24 Jahre

Zinsfuß 5,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	26	93.658	7.251,671	105.311,776	14,522	14,056
1							51	27	93.167	6.853,888	98.060,104	14,307	13,840
2							52	28	92.658	6.476,382	91.206,217	14,083	13,616
3							53	29	92.087	6.115,428	84.729,835	13,855	13,388
4							54	30	91.481	5.772,171	78.614,407	13,620	13,153
5							55	31	90.830	5.445,226	72.842,236	13,377	12,910
6							56	32	90.118	5.133,051	67.397,010	13,130	12,663
7							57	33	89.381	4.837,094	62.263,959	12,872	12,405
8							58	34	88.572	4.554,226	57.426,865	12,610	12,143
9							59	35	87.687	4.283,810	52.872,639	12,342	11,876
10							60	36	86.721	4.025,284	48.588,829	12,071	11,604
11							61	37	85.696	3.779,302	44.563,545	11,791	11,325
12							62	38	84.615	3.545,481	40.784,242	11,503	11,036
13							63	39	83.417	3.320,929	37.238,761	11,213	10,747
14							64	40	82.145	3.107,191	33.917,833	10,916	10,449
15							65	41	80.779	2.903,082	30.810,641	10,613	10,146
16							66	42	79.285	2.707,288	27.907,559	10,308	9,842
17							67	43	77.681	2.520,189	25.200,271	9,999	9,533
18							68	44	75.918	2.340,147	22.680,083	9,692	9,225
19							69	45	74.020	2.167,835	20.339,935	9,383	8,916
20							70	46	72.000	2.003,477	18.172,101	9,070	8,603
21							71	47	69.821	1.845,934	16.168,624	8,759	8,292
22							72	48	67.491	1.695,323	14.322,690	8,448	7,982
23							73	49	64.977	1.550,757	12.627,367	8,143	7,676
24	0	98.758	28.922,871	525.686,860	18,175	17,709	74	50	62.306	1.412,850	11.076,610	7,840	7,373
25	1	98.312	27.355,959	496.763,988	18,159	17,692	75	51	59.510	1.282,136	9.663,760	7,537	7,070
26	2	98.204	25.963,097	469.408,029	18,080	17,613	76	52	56.601	1.158,631	8.381,624	7,234	6,767
27	3	98.115	24.645,510	443.444,933	17,993	17,526	77	53	53.615	1.042,759	7.222,993	6,927	6,460
28	4	98.028	23.395,399	418.799,423	17,901	17,434	78	54	50.520	933,558	6.180,234	6,620	6,153
29	5	97.943	22.209,200	395.404,024	17,804	17,337	79	55	47.288	830,250	5.246,675	6,319	5,853
30	6	97.861	21.083,780	373.194,824	17,701	17,234	80	56	43.972	733,517	4.416,425	6,021	5,554
31	7	97.781	20.015,615	352.111,045	17,592	17,125	81	57	40.541	642,543	3.682,908	5,732	5,265
32	8	97.695	19.000,539	332.095,429	17,478	17,011	82	58	37.046	557,867	3.040,365	5,450	4,983
33	9	97.606	18.036,248	313.094,890	17,359	16,892	83	59	33.407	477,976	2.482,497	5,194	4,727
34	10	97.514	17.120,439	295.058,642	17,234	16,767	84	60	29.851	405,786	2.004,521	4,940	4,473
35	11	97.413	16.249,548	277.938,203	17,104	16,638	85	61	26.413	341,145	1.598,735	4,686	4,220
36	12	97.301	15.421,397	261.688,655	16,969	16,502	86	62	23.212	284,851	1.257,590	4,415	3,948
37	13	97.183	14.634,376	246.267,258	16,828	16,361	87	63	20.011	233,314	972,740	4,169	3,702
38	14	97.057	13.886,251	231.632,883	16,681	16,214	88	64	16.890	187,105	739,426	3,952	3,485
39	15	96.912	13.173,872	217.746,632	16,529	16,062	89	65	13.992	147,265	552,321	3,751	3,284
40	16	96.745	12.495,218	204.572,760	16,372	15,905	90	66	11.382	113,825	405,056	3,559	3,092
41	17	96.558	11.848,986	192.077,541	16,210	15,744	91	67	9.091	86,376	291,231	3,372	2,905
42	18	96.353	11.234,085	180.228,555	16,043	15,576	92	68	7.084	63,955	204,855	3,203	2,736
43	19	96.113	10.647,111	168.994,470	15,872	15,406	93	69	5.393	46,259	140,900	3,046	2,579
44	20	95.849	10.088,180	158.347,360	15,696	15,230	94	70	4.006	32,644	94,641	2,899	2,432
45	21	95.561	9.556,235	148.259,180	15,514	15,048	95	71	2.899	22,446	61,997	2,762	2,295
46	22	95.244	9.049,405	138.702,945	15,327	14,861	96	72	2.040	15,011	39,551	2,635	2,168
47	23	94.895	8.566,506	129.653,540	15,135	14,668	97	73	1.395	9,754	24,540	2,516	2,049
48	24	94.515	8.106,576	121.087,034	14,937	14,470	98	74	926	6,147	14,787	2,406	1,939
49	25	94.103	7.668,682	112.980,458	14,733	14,266	99	75	595	3,753	8,640	2,302	1,835
							100	76	369	2,215	4,887	2,206	1,740

Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004

Altersdifferenz zwischen Mann und Frau (x - y) = 25 Jahre

Zinsfuß 5,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	${}^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	${}^{(12)}\ddot{a}_{xy}$
0							50	25	93.681	7.253,456	105.411,407	14,533	14,066
1							51	26	93.194	6.855,807	98.157,950	14,317	13,851
2							52	27	92.685	6.478,270	91.302,143	14,094	13,627
3							53	28	92.114	6.117,244	84.823,873	13,866	13,400
4							54	29	91.508	5.773,861	78.706,630	13,632	13,165
5							55	30	90.860	5.447,010	72.932,769	13,390	12,923
6							56	31	90.151	5.134,885	67.485,759	13,143	12,676
7							57	32	89.413	4.838,814	62.350,874	12,886	12,419
8							58	33	88.607	4.556,047	57.512,060	12,623	12,156
9							59	34	87.728	4.285,819	52.956,013	12,356	11,889
10							60	35	86.765	4.027,346	48.670,194	12,085	11,618
11							61	36	85.744	3.781,441	44.642,848	11,806	11,339
12							62	37	84.667	3.547,656	40.861,407	11,518	11,051
13							63	38	83.475	3.323,253	37.313,751	11,228	10,761
14							64	39	82.211	3.109,680	33.990,497	10,931	10,464
15							65	40	80.849	2.905,610	30.880,818	10,628	10,161
16							66	41	79.364	2.709,967	27.975,208	10,323	9,856
17							67	42	77.768	2.523,026	25.265,241	10,014	9,547
18							68	43	76.017	2.343,189	22.742,214	9,706	9,239
19							69	44	74.124	2.170,856	20.399,026	9,397	8,930
20							70	45	72.114	2.006,659	18.228,169	9,084	8,617
21							71	46	69.947	1.849,255	16.221,510	8,772	8,305
22							72	47	67.622	1.698,627	14.372,255	8,461	7,994
23							73	48	65.115	1.554,052	12.673,628	8,155	7,688
24							74	49	62.457	1.416,258	11.119,577	7,851	7,385
25	0	98.686	27.460,224	497.029,804	18,100	17,633	75	50	59.661	1.285,383	9.703,318	7,549	7,082
26	1	98.240	25.972,398	469.569,580	18,080	17,613	76	51	56.759	1.161,858	8.417,935	7,245	6,778
27	2	98.134	24.650,383	443.597,182	17,996	17,529	77	52	53.778	1.045,921	7.256,077	6,937	6,471
28	3	98.045	23.399,415	418.946,798	17,904	17,437	78	53	50.680	936,515	6.210,156	6,631	6,164
29	4	97.956	22.212,069	395.547,383	17,808	17,341	79	54	47.454	833,148	5.273,640	6,330	5,863
30	5	97.874	21.086,536	373.335,314	17,705	17,238	80	55	44.139	736,305	4.440,492	6,031	5,564
31	6	97.790	20.017,460	352.248,778	17,597	17,130	81	56	40.704	645,133	3.704,187	5,742	5,275
32	7	97.704	19.002,194	332.231,318	17,484	17,017	82	57	37.212	560,368	3.059,053	5,459	4,992
33	8	97.615	18.037,979	313.229,124	17,365	16,898	83	58	33.569	480,289	2.498,685	5,202	4,736
34	9	97.520	17.121,545	295.191,145	17,241	16,774	84	59	30.003	407,860	2.018,396	4,949	4,482
35	10	97.421	16.250,914	278.069,599	17,111	16,644	85	60	26.559	343,033	1.610,537	4,695	4,228
36	11	97.311	15.422,843	261.818,685	16,976	16,509	86	61	23.344	286,463	1.267,504	4,425	3,958
37	12	97.192	14.635,619	246.395,842	16,835	16,369	87	62	20.137	234,791	981,041	4,178	3,712
38	13	97.066	13.887,597	231.760,223	16,688	16,221	88	63	17.006	188,386	746,250	3,961	3,494
39	14	96.923	13.175,407	217.872,627	16,536	16,070	89	64	14.095	148,350	557,864	3,760	3,294
40	15	96.762	12.497,451	204.697,219	16,379	15,912	90	65	11.476	114,762	409,513	3,568	3,102
41	16	96.578	11.851,496	192.199,768	16,217	15,751	91	66	9.174	87,165	294,751	3,382	2,915
42	17	96.374	11.236,557	180.348,272	16,050	15,583	92	67	7.157	64,612	207,585	3,213	2,746
43	18	96.141	10.650,174	169.111,715	15,879	15,412	93	68	5.456	46,794	142,974	3,055	2,589
44	19	95.875	10.090,977	158.461,541	15,703	15,236	94	69	4.058	33,066	96,180	2,909	2,442
45	20	95.591	9.559,254	148.370,564	15,521	15,054	95	70	2.941	22,769	63,114	2,772	2,305
46	21	95.267	9.051,620	138.811,310	15,336	14,869	96	71	2.074	15,258	40,344	2,644	2,177
47	22	94.921	8.568,826	129.759,690	15,143	14,676	97	72	1.421	9,933	25,086	2,526	2,059
48	23	94.539	8.108,692	121.190,865	14,946	14,479	98	73	945	6,275	15,154	2,415	1,948
49	24	94.129	7.670,766	113.082,173	14,742	14,275	99	74	609	3,840	8,879	2,312	1,845
							100	75	379	2,274	5,038	2,216	1,749

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 0 Jahre

Zinsfuß 5,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	0	100.000	100.000,000	1.842.015,292	18,420	17,953	50	50	91.638	6.301,620	83.934,340	13,319	12,852
1	1	99.166	93.996,027	1.742.015,292	18,533	18,066	51	51	90.953	5.928,484	77.632,720	13,095	12,628
2	2	99.090	89.027,870	1.648.019,265	18,511	18,044	52	52	90.231	5.574,777	71.704,236	12,862	12,395
3	3	99.051	84.352,936	1.558.991,395	18,482	18,015	53	53	89.431	5.237,277	66.129,458	12,627	12,160
4	4	99.016	79.927,082	1.474.638,459	18,450	17,983	54	54	88.588	4.917,464	60.892,181	12,383	11,916
5	5	98.990	75.740,324	1.394.711,376	18,414	17,947	55	55	87.680	4.613,352	55.974,717	12,133	11,666
6	6	98.963	71.772,562	1.318.971,052	18,377	17,910	56	56	86.694	4.323,677	51.361,366	11,879	11,412
7	7	98.942	68.016,668	1.247.198,490	18,337	17,869	57	57	85.670	4.049,853	47.037,688	11,615	11,147
8	8	98.922	64.457,200	1.179.181,822	18,294	17,827	58	58	84.550	3.788,523	42.987,835	11,347	10,880
9	9	98.900	61.083,743	1.114.724,622	18,249	17,782	59	59	83.341	3.539,666	39.199,312	11,074	10,607
10	10	98.885	57.890,124	1.053.640,878	18,201	17,734	60	60	82.046	3.302,990	35.659,646	10,796	10,329
11	11	98.867	54.862,385	995.750,755	18,150	17,683	61	61	80.675	3.078,510	32.356,656	10,510	10,043
12	12	98.844	51.989,872	940.888,370	18,098	17,630	62	62	79.258	2.866,747	29.278,145	10,213	9,746
13	13	98.822	49.268,879	888.898,498	18,042	17,575	63	63	77.698	2.663,825	26.411,399	9,915	9,448
14	14	98.800	46.689,780	839.629,618	17,983	17,516	64	64	76.054	2.471,538	23.747,574	9,608	9,141
15	15	98.770	44.242,395	792.939,838	17,923	17,455	65	65	74.307	2.288,857	21.276,036	9,295	8,828
16	16	98.729	41.918,536	748.697,443	17,861	17,394	66	66	72.409	2.114,129	18.987,179	8,981	8,514
17	17	98.670	39.709,580	706.778,906	17,799	17,332	67	67	70.380	1.947,768	16.873,050	8,663	8,196
18	18	98.599	37.612,058	667.069,326	17,736	17,268	68	68	68.173	1.788,314	14.925,282	8,346	7,879
19	19	98.496	35.613,953	629.457,269	17,674	17,207	69	69	65.800	1.636,084	13.136,968	8,030	7,562
20	20	98.389	33.720,762	593.843,316	17,611	17,143	70	70	63.288	1.491,579	11.500,884	7,711	7,243
21	21	98.283	31.928,420	560.122,554	17,543	17,076	71	71	60.609	1.353,977	10.009,305	7,393	6,925
22	22	98.182	30.232,777	528.194,134	17,471	17,004	72	72	57.749	1.222,824	8.655,328	7,078	6,611
23	23	98.081	28.627,302	497.961,357	17,395	16,927	73	73	54.711	1.098,108	7.432,504	6,768	6,301
24	24	97.983	27.107,696	469.334,056	17,314	16,846	74	74	51.518	980,109	6.334,395	6,463	5,996
25	25	97.886	25.668,880	442.226,360	17,228	16,761	75	75	48.208	869,323	5.354,286	6,159	5,692
26	26	97.790	24.306,912	416.557,480	17,137	16,670	76	76	44.787	765,529	4.484,962	5,859	5,391
27	27	97.693	23.016,804	392.250,568	17,042	16,575	77	77	41.321	669,464	3.719,434	5,556	5,089
28	28	97.594	21.794,920	369.233,764	16,941	16,474	78	78	37.788	580,315	3.049,970	5,256	4,789
29	29	97.494	20.637,380	347.438,844	16,835	16,368	79	79	34.179	497,523	2.469,655	4,964	4,497
30	30	97.396	19.542,017	326.801,464	16,723	16,256	80	80	30.561	421,664	1.972,132	4,677	4,210
31	31	97.293	18.503,646	307.259,447	16,605	16,138	81	81	26.911	351,955	1.550,468	4,405	3,938
32	32	97.182	17.518,891	288.755,801	16,483	16,015	82	82	23.325	289,146	1.198,513	4,145	3,678
33	33	97.068	16.586,080	271.236,910	16,353	15,886	83	83	19.770	232,298	909,367	3,915	3,447
34	34	96.944	15.701,335	254.650,830	16,218	15,751	84	84	16.483	183,581	677,070	3,688	3,221
35	35	96.806	14.861,597	238.949,495	16,078	15,611	85	85	13.487	142,381	493,489	3,466	2,999
36	36	96.655	14.064,876	224.087,898	15,932	15,465	86	86	10.885	108,919	351,108	3,224	2,756
37	37	96.491	13.309,057	210.023,022	15,780	15,313	87	87	8.491	80,536	242,188	3,007	2,540
38	38	96.316	12.592,252	196.713,965	15,622	15,155	88	88	6.365	57,226	161,653	2,825	2,358
39	39	96.116	11.910,999	184.121,713	15,458	14,991	89	89	4.613	39,312	104,426	2,656	2,189
40	40	95.891	11.263,625	172.210,714	15,289	14,822	90	90	3.223	26,033	65,114	2,501	2,034
41	41	95.642	10.648,762	160.947,089	15,114	14,647	91	91	2.173	16,637	39,081	2,349	1,882
42	42	95.366	10.064,480	150.298,327	14,934	14,466	92	92	1.390	10,089	22,444	2,225	1,757
43	43	95.049	9.508,046	140.233,847	14,749	14,282	93	93	851	5,852	12,355	2,111	1,644
44	44	94.691	8.978,386	130.725,801	14,560	14,093	94	94	497	3,238	6,504	2,008	1,541
45	45	94.305	8.475,672	121.747,415	14,364	13,897	95	95	276	1,705	3,265	1,915	1,447
46	46	93.866	7.996,389	113.271,743	14,165	13,698	96	96	146	0,853	1,560	1,829	1,362
47	47	93.379	7.540,223	105.275,353	13,962	13,495	97	97	73	0,404	0,707	1,752	1,285
48	48	92.848	7.106,496	97.735,130	13,753	13,286	98	98	34	0,181	0,304	1,681	1,214
49	49	92.273	6.694,294	90.628,634	13,538	13,071	99	99	15	0,076	0,123	1,617	1,150
							100	100	6	0,030	0,047	1,559	1,092

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -1 Jahr

Zinsfuß 5,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	1	99.620	99.620,306	1.840.448,454	18,475	18,007	50	51	91.406	6.285,698	83.205,924	13,237	12,770
1	2	99.130	93.962,363	1.740.828,148	18,527	18,060	51	52	90.701	5.912,019	76.920,226	13,011	12,544
2	3	99.071	89.010,268	1.646.865,785	18,502	18,035	52	53	89.958	5.557,924	71.008,207	12,776	12,309
3	4	99.034	84.338,457	1.557.855,517	18,471	18,004	53	54	89.148	5.220,740	65.450,284	12,537	12,069
4	5	99.003	79.916,759	1.473.517,059	18,438	17,971	54	55	88.280	4.900,360	60.229,544	12,291	11,824
5	6	98.977	75.730,423	1.393.600,300	18,402	17,935	55	56	87.348	4.595,882	55.329,184	12,039	11,572
6	7	98.954	71.765,949	1.317.869,877	18,363	17,896	56	57	86.346	4.306,319	50.733,302	11,781	11,314
7	8	98.934	68.010,744	1.246.103,928	18,322	17,855	57	58	85.288	4.031,778	46.426,983	11,515	11,048
8	9	98.912	64.451,013	1.178.093,184	18,279	17,812	58	59	84.143	3.770,279	42.395,205	11,245	10,777
9	10	98.894	61.079,796	1.113.642,171	18,233	17,765	59	60	82.917	3.521,672	38.624,926	10,968	10,501
10	11	98.876	57.885,256	1.052.562,375	18,184	17,716	60	61	81.594	3.284,810	35.103,254	10,687	10,219
11	12	98.858	54.857,240	994.677,119	18,132	17,665	61	62	80.221	3.061,186	31.818,445	10,394	9,927
12	13	98.835	51.985,457	939.819,879	18,079	17,611	62	63	78.759	2.848,706	28.757,258	10,095	9,628
13	14	98.813	49.264,106	887.834,422	18,022	17,555	63	64	77.170	2.645,706	25.908,552	9,793	9,325
14	15	98.788	46.684,340	838.570,317	17,963	17,495	64	65	75.498	2.453,464	23.262,846	9,482	9,014
15	16	98.752	44.234,490	791.885,977	17,902	17,435	65	66	73.700	2.270,163	20.809,382	9,166	8,699
16	17	98.708	41.909,659	747.651,487	17,840	17,372	66	67	71.753	2.094,982	18.539,218	8,849	8,382
17	18	98.649	39.700,843	705.741,827	17,776	17,309	67	68	69.665	1.927,969	16.444,237	8,529	8,062
18	19	98.570	37.601,241	666.040,984	17,713	17,246	68	69	67.393	1.767,860	14.516,268	8,211	7,744
19	20	98.468	35.604,080	628.439,743	17,651	17,184	69	70	64.960	1.615,210	12.748,407	7,893	7,426
20	21	98.358	33.710,112	592.835,663	17,586	17,119	70	71	62.388	1.470,378	11.133,197	7,572	7,104
21	22	98.259	31.920,608	559.125,552	17,516	17,049	71	72	59.626	1.332,026	9.662,819	7,254	6,787
22	23	98.155	30.224,591	527.204,944	17,443	16,976	72	73	56.707	1.200,778	8.330,793	6,938	6,471
23	24	98.056	28.619,833	496.980,353	17,365	16,898	73	74	53.596	1.075,737	7.130,015	6,628	6,161
24	25	97.957	27.100,331	468.360,520	17,282	16,815	74	75	50.345	957,800	6.054,278	6,321	5,854
25	26	97.861	25.662,563	441.260,189	17,195	16,728	75	76	46.958	846,784	5.096,477	6,019	5,551
26	27	97.762	24.300,107	415.597,625	17,103	16,636	76	77	43.490	743,368	4.249,693	5,717	5,250
27	28	97.664	23.010,096	391.297,518	17,005	16,538	77	78	39.976	647,684	3.506,325	5,414	4,946
28	29	97.565	21.788,451	368.287,422	16,903	16,436	78	79	36.388	558,808	2.858,641	5,116	4,648
29	30	97.465	20.631,339	346.498,971	16,795	16,328	79	80	32.741	476,594	2.299,833	4,826	4,358
30	31	97.365	19.535,619	325.867,632	16,681	16,214	80	81	29.072	401,123	1.823,240	4,545	4,078
31	32	97.259	18.497,037	306.332,014	16,561	16,094	81	82	25.411	332,335	1.422,116	4,279	3,812
32	33	97.147	17.512,662	287.834,977	16,436	15,969	82	83	21.818	270,460	1.089,781	4,029	3,562
33	34	97.029	16.579,452	270.322,316	16,305	15,837	83	84	18.353	215,652	819,321	3,799	3,332
34	35	96.898	15.693,974	253.742,863	16,168	15,701	84	85	15.158	168,828	603,669	3,576	3,108
35	36	96.756	14.853,989	238.048,889	16,026	15,559	85	86	12.316	130,019	434,841	3,344	2,877
36	37	96.600	14.056,923	223.194,900	15,878	15,411	86	87	9.787	97,939	304,822	3,112	2,645
37	38	96.432	13.300,895	209.137,977	15,724	15,256	87	88	7.490	71,042	206,884	2,912	2,445
38	39	96.248	12.583,444	195.837,082	15,563	15,096	88	89	5.528	49,700	135,841	2,733	2,266
39	40	96.039	11.901,467	183.253,638	15,398	14,930	89	90	3.929	33,485	86,142	2,573	2,105
40	41	95.807	11.253,825	171.352,171	15,226	14,759	90	91	2.696	21,777	52,657	2,418	1,951
41	42	95.548	10.638,236	160.098,346	15,049	14,582	91	92	1.766	13,519	30,879	2,284	1,817
42	43	95.259	10.053,161	149.460,109	14,867	14,400	92	93	1.105	8,017	17,360	2,165	1,698
43	44	94.926	9.495,704	139.406,948	14,681	14,214	93	94	660	4,541	9,343	2,057	1,590
44	45	94.559	8.965,888	129.911,244	14,490	14,022	94	95	376	2,451	4,802	1,959	1,492
45	46	94.155	8.462,230	120.945,356	14,292	13,825	95	96	203	1,257	2,351	1,870	1,403
46	47	93.697	7.982,028	112.483,126	14,092	13,625	96	97	104	0,611	1,094	1,789	1,322
47	48	93.198	7.525,560	104.501,098	13,886	13,419	97	98	51	0,281	0,482	1,715	1,248
48	49	92.651	7.091,431	96.975,539	13,675	13,208	98	99	23	0,122	0,201	1,648	1,181
49	50	92.051	6.678,183	89.884,108	13,459	12,992	99	100	10	0,050	0,079	1,587	1,120
							100	101	4	0,019	0,029	1,531	1,064

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -2 Jahre

Zinsfuß 5,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	2	99.585	99.584,628	1.839.161,523	18,468	18,001	50	52	91.153	6.268,241	82.420,552	13,149	12,682
1	3	99.111	93.943,785	1.739.576,894	18,517	18,050	51	53	90.427	5.894,146	76.152,311	12,920	12,453
2	4	99.054	88.994,990	1.645.633,109	18,491	18,024	52	54	89.674	5.540,374	70.258,165	12,681	12,214
3	5	99.021	84.327,565	1.556.638,119	18,459	17,992	53	55	88.838	5.202,581	64.717,791	12,440	11,972
4	6	98.990	79.906,313	1.472.310,554	18,425	17,958	54	56	87.945	4.881,803	59.515,210	12,191	11,724
5	7	98.968	75.723,445	1.392.404,242	18,388	17,921	55	57	86.998	4.577,431	54.633,407	11,935	11,468
6	8	98.945	71.759,698	1.316.680,797	18,348	17,881	56	58	85.961	4.287,100	50.055,977	11,676	11,209
7	9	98.924	68.004,215	1.244.921,098	18,307	17,839	57	59	84.877	4.012,363	45.768,877	11,407	10,940
8	10	98.906	64.446,848	1.176.916,883	18,262	17,795	58	60	83.715	3.751,112	41.756,514	11,132	10,665
9	11	98.886	61.074,660	1.112.470,035	18,215	17,748	59	61	82.461	3.502,287	38.005,403	10,852	10,384
10	12	98.867	57.879,827	1.051.395,374	18,165	17,698	60	62	81.135	3.266,325	34.503,115	10,563	10,096
11	13	98.849	54.852,581	993.515,547	18,112	17,645	61	63	79.716	3.041,923	31.236,790	10,269	9,802
12	14	98.826	51.980,420	938.662,966	18,058	17,591	62	64	78.223	2.829,330	28.194,868	9,965	9,498
13	15	98.801	49.258,365	886.682,546	18,001	17,533	63	65	76.605	2.626,358	25.365,538	9,658	9,191
14	16	98.771	46.675,999	837.424,181	17,941	17,474	64	66	74.882	2.433,426	22.739,180	9,345	8,877
15	17	98.732	44.225,123	790.748,182	17,880	17,413	65	67	73.032	2.249,603	20.305,754	9,026	8,559
16	18	98.687	41.900,438	746.523,060	17,817	17,349	66	68	71.024	2.073,686	18.056,150	8,707	8,240
17	19	98.620	39.689,426	704.622,622	17,753	17,286	67	69	68.868	1.905,918	15.982,464	8,386	7,919
18	20	98.543	37.590,817	664.933,196	17,689	17,222	68	70	66.533	1.745,306	14.076,546	8,065	7,598
19	21	98.437	35.592,834	627.342,379	17,626	17,158	69	71	64.037	1.592,253	12.331,241	7,745	7,277
20	22	98.334	33.701,864	591.749,544	17,558	17,091	70	72	61.377	1.446,540	10.738,988	7,424	6,957
21	23	98.233	31.911,966	558.047,681	17,487	17,020	71	73	58.551	1.308,011	9.292,448	7,104	6,637
22	24	98.130	30.216,706	526.135,715	17,412	16,945	72	74	55.552	1.176,315	7.984,437	6,788	6,320
23	25	98.029	28.612,057	495.919,009	17,333	16,865	73	75	52.376	1.051,252	6.808,122	6,476	6,009
24	26	97.932	27.093,663	467.306,952	17,248	16,781	74	76	49.040	932,967	5.756,870	6,170	5,703
25	27	97.834	25.655,379	440.213,289	17,159	16,692	75	77	45.598	822,271	4.823,903	5,867	5,399
26	28	97.734	24.293,025	414.557,910	17,065	16,598	76	78	42.075	719,184	4.001,632	5,564	5,097
27	29	97.635	23.003,266	390.264,885	16,966	16,498	77	79	38.495	623,680	3.282,448	5,263	4,796
28	30	97.537	21.782,073	367.261,619	16,861	16,394	78	80	34.857	535,301	2.658,768	4,967	4,500
29	31	97.433	20.624,584	345.479,546	16,751	16,284	79	81	31.146	453,377	2.123,468	4,684	4,216
30	32	97.330	19.528,640	324.854,962	16,635	16,168	80	82	27.451	378,763	1.670,091	4,409	3,942
31	33	97.224	18.490,459	305.326,321	16,513	16,045	81	83	23.769	310,858	1.291,328	4,154	3,687
32	34	97.109	17.505,664	286.835,862	16,385	15,918	82	84	20.254	251,080	980,469	3,905	3,438
33	35	96.983	16.571,680	269.330,198	16,252	15,785	83	85	16.878	198,321	729,390	3,678	3,211
34	36	96.849	15.685,940	252.758,518	16,114	15,647	84	86	13.842	154,169	531,068	3,445	2,978
35	37	96.702	14.845,589	237.072,579	15,969	15,502	85	87	11.074	116,911	376,899	3,224	2,757
36	38	96.541	14.048,303	222.226,989	15,819	15,352	86	88	8.634	86,394	259,988	3,009	2,542
37	39	96.365	13.291,591	208.178,686	15,662	15,195	87	89	6.505	61,698	173,594	2,814	2,346
38	40	96.171	12.573,374	194.887,095	15,500	15,033	88	90	4.709	42,333	111,895	2,643	2,176
39	41	95.955	11.891,113	182.313,722	15,332	14,865	89	91	3.287	28,011	69,562	2,483	2,016
40	42	95.713	11.242,701	170.422,608	15,159	14,691	90	92	2.191	17,696	41,551	2,348	1,881
41	43	95.440	10.626,272	159.179,907	14,980	14,513	91	93	1.403	10,743	23,855	2,221	1,753
42	44	95.135	10.040,112	148.553,636	14,796	14,329	92	94	857	6,221	13,112	2,108	1,640
43	45	94.793	9.482,486	138.513,524	14,607	14,140	93	95	500	3,437	6,891	2,005	1,538
44	46	94.409	8.951,668	129.031,038	14,414	13,947	94	96	277	1,807	3,454	1,912	1,444
45	47	93.986	8.447,032	120.079,369	14,216	13,748	95	97	146	0,902	1,647	1,827	1,359
46	48	93.515	7.966,506	111.632,338	14,013	13,546	96	98	73	0,426	0,745	1,749	1,282
47	49	93.000	7.509,606	103.665,832	13,804	13,337	97	99	34	0,190	0,319	1,679	1,212
48	50	92.428	7.074,364	96.156,226	13,592	13,125	98	100	15	0,080	0,129	1,615	1,148
49	51	91.818	6.661,310	89.081,862	13,373	12,906	99	101	6	0,032	0,049	1,557	1,090
							100	102	2	0,012	0,018	1,504	1,037

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -3 Jahre

Zinsfuß 5,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	3	99.565	99.564,939	1.837.805,506	18,458	17,991	50	53	90.877	6.249,291	81.575,244	13,054	12,586
1	4	99.094	93.927,660	1.738.240,567	18,506	18,039	51	54	90.141	5.875,535	75.325,953	12,820	12,353
2	5	99.041	88.983,496	1.644.312,907	18,479	18,012	52	55	89.362	5.521,103	69.450,418	12,579	12,112
3	6	99.008	84.316,541	1.555.329,411	18,446	17,979	53	56	88.502	5.182,880	63.929,315	12,335	11,868
4	7	98.981	79.898,949	1.471.012,870	18,411	17,944	54	57	87.592	4.862,204	58.746,435	12,082	11,615
5	8	98.959	75.716,851	1.391.113,921	18,373	17,905	55	58	86.609	4.557,001	53.884,231	11,824	11,357
6	9	98.936	71.752,810	1.315.397,070	18,332	17,865	56	59	85.547	4.266,455	49.327,230	11,562	11,094
7	10	98.918	67.999,821	1.243.644,260	18,289	17,822	57	60	84.446	3.991,965	45.060,776	11,288	10,821
8	11	98.897	64.441,429	1.175.644,439	18,244	17,776	58	61	83.254	3.730,465	41.068,811	11,009	10,542
9	12	98.876	61.068,933	1.111.203,010	18,196	17,729	59	62	81.997	3.482,579	37.338,346	10,721	10,254
10	13	98.859	57.874,912	1.050.134,078	18,145	17,678	60	63	80.624	3.245,770	33.855,768	10,431	9,964
11	14	98.840	54.847,267	992.259,166	18,091	17,624	61	64	79.174	3.021,232	30.609,997	10,132	9,664
12	15	98.814	51.974,363	937.411,899	18,036	17,569	62	65	77.651	2.808,640	27.588,766	9,823	9,356
13	16	98.783	49.249,564	885.437,537	17,979	17,511	63	66	75.980	2.604,908	24.780,126	9,513	9,046
14	17	98.750	46.666,114	836.187,973	17,919	17,451	64	67	74.204	2.411,387	22.175,218	9,196	8,729
15	18	98.710	44.215,392	789.521,859	17,856	17,389	65	68	72.290	2.226,736	19.763,831	8,876	8,409
16	19	98.658	41.888,388	745.306,467	17,793	17,325	66	69	70.212	2.049,968	17.537,094	8,555	8,088
17	20	98.593	39.678,424	703.418,078	17,728	17,261	67	70	67.990	1.881,602	15.487,126	8,231	7,764
18	21	98.512	37.578,944	663.739,655	17,663	17,195	68	71	65.588	1.720,499	13.605,525	7,908	7,441
19	22	98.413	35.584,126	626.160,711	17,597	17,129	69	72	62.999	1.566,438	11.885,026	7,587	7,120
20	23	98.307	33.692,739	590.576,585	17,528	17,061	70	73	60.270	1.420,460	10.318,587	7,264	6,797
21	24	98.207	31.903,640	556.883,846	17,455	16,988	71	74	57.358	1.281,364	8.898,127	6,944	6,477
22	25	98.103	30.208,496	524.980,206	17,379	16,911	72	75	54.288	1.149,540	7.616,764	6,626	6,159
23	26	98.005	28.605,017	494.771,710	17,297	16,829	73	76	51.018	1.023,995	6.467,223	6,316	5,848
24	27	97.905	27.086,078	466.166,693	17,211	16,743	74	77	47.620	905,959	5.443,228	6,008	5,541
25	28	97.806	25.647,902	439.080,615	17,120	16,652	75	78	44.115	795,521	4.537,269	5,704	5,236
26	29	97.705	24.285,814	413.432,713	17,024	16,556	76	79	40.516	692,530	3.741,748	5,403	4,936
27	30	97.607	22.996,533	389.146,899	16,922	16,455	77	80	36.875	597,444	3.049,219	5,104	4,637
28	31	97.505	21.774,941	366.150,366	16,815	16,348	78	81	33.159	509,224	2.451,775	4,815	4,348
29	32	97.398	20.617,217	344.375,424	16,703	16,236	79	82	29.410	428,104	1.942,551	4,538	4,070
30	33	97.295	19.521,696	323.758,208	16,585	16,117	80	83	25.677	354,286	1.514,447	4,275	3,807
31	34	97.185	18.483,071	304.236,511	16,460	15,993	81	84	22.066	288,583	1.160,161	4,020	3,553
32	35	97.063	17.497,457	285.753,440	16,331	15,864	82	85	18.626	230,902	871,578	3,775	3,307
33	36	96.934	16.563,196	268.255,983	16,196	15,729	83	86	15.413	181,102	640,676	3,538	3,070
34	37	96.794	15.677,070	251.692,788	16,055	15,588	84	87	12.447	138,627	459,573	3,315	2,848
35	38	96.642	14.836,486	236.015,718	15,908	15,441	85	88	9.769	103,130	320,946	3,112	2,645
36	39	96.474	14.038,476	221.179,232	15,755	15,288	86	89	7.498	75,031	217,816	2,903	2,436
37	40	96.288	13.280,954	207.140,756	15,597	15,130	87	90	5.541	52,553	142,786	2,717	2,250
38	41	96.088	12.562,435	193.859,802	15,432	14,965	88	91	3.939	35,413	90,232	2,548	2,081
39	42	95.860	11.879,359	181.297,367	15,262	14,794	89	92	2.671	22,762	54,819	2,408	1,941
40	43	95.605	11.230,057	169.418,008	15,086	14,619	90	93	1.741	14,062	32,057	2,280	1,813
41	44	95.316	10.612,478	158.187,951	14,906	14,439	91	94	1.089	8,336	17,996	2,159	1,691
42	45	95.003	10.026,136	147.575,472	14,719	14,252	92	95	649	4,708	9,659	2,051	1,584
43	46	94.643	9.467,447	137.549,336	14,529	14,061	93	96	368	2,534	4,951	1,954	1,487
44	47	94.239	8.935,591	128.081,889	14,334	13,867	94	97	199	1,296	2,417	1,865	1,398
45	48	93.804	8.430,605	119.146,298	14,133	13,665	95	98	102	0,628	1,121	1,784	1,317
46	49	93.317	7.949,617	110.715,693	13,927	13,460	96	99	49	0,288	0,493	1,711	1,244
47	50	92.776	7.491,532	102.766,076	13,718	13,250	97	100	22	0,125	0,205	1,644	1,177
48	51	92.195	7.056,490	95.274,543	13,502	13,035	98	101	10	0,051	0,080	1,584	1,116
49	52	91.563	6.642,810	88.218,054	13,280	12,813	99	102	4	0,019	0,030	1,528	1,061
							100	103	1	0,007	0,010	1,478	1,011

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -4 Jahre

Zinsfuß 5,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	4	99.548	99.547,849	1.836.358,327	18,447	17,980	50	54	90.590	6.229,559	80.666,915	12,949	12,482
1	5	99.081	93.915,529	1.736.810,478	18,493	18,026	51	55	89.828	5.855,098	74.437,357	12,713	12,246
2	6	99.028	88.971,864	1.642.894,949	18,465	17,998	52	56	89.024	5.500,196	68.582,258	12,469	12,002
3	7	98.999	84.308,772	1.553.923,086	18,431	17,964	53	57	88.146	5.162,072	63.082,063	12,220	11,753
4	8	98.972	79.891,991	1.469.614,314	18,395	17,928	54	58	87.201	4.840,503	57.919,991	11,966	11,499
5	9	98.949	75.709,582	1.389.722,323	18,356	17,889	55	59	86.192	4.535,056	53.079,488	11,704	11,237
6	10	98.929	71.748,174	1.314.012,740	18,314	17,847	56	60	85.112	4.244,765	48.544,431	11,436	10,969
7	11	98.910	67.994,103	1.242.264,567	18,270	17,803	57	61	83.981	3.969,992	44.299,666	11,159	10,691
8	12	98.888	64.435,385	1.174.270,464	18,224	17,757	58	62	82.786	3.709,472	40.329,675	10,872	10,405
9	13	98.868	61.063,746	1.109.835,078	18,175	17,708	59	63	81.481	3.460,663	36.620,203	10,582	10,115
10	14	98.849	57.869,304	1.048.771,332	18,123	17,656	60	64	80.076	3.223,693	33.159,539	10,286	9,819
11	15	98.828	54.840,876	990.902,028	18,069	17,601	61	65	78.595	2.999,138	29.935,846	9,981	9,514
12	16	98.796	51.965,076	936.061,153	18,013	17,546	62	66	77.017	2.785,700	26.936,708	9,670	9,202
13	17	98.763	49.239,134	884.096,076	17,955	17,488	63	67	75.292	2.581,316	24.151,008	9,356	8,889
14	18	98.728	46.655,846	834.856,942	17,894	17,427	64	68	73.449	2.386,876	21.569,692	9,037	8,570
15	19	98.681	44.202,676	788.201,095	17,832	17,364	65	69	71.463	2.201,268	19.182,816	8,714	8,247
16	20	98.631	41.876,776	743.998,419	17,766	17,299	66	70	69.316	2.023,815	16.981,548	8,391	7,924
17	21	98.562	39.665,891	702.121,643	17,701	17,234	67	71	67.023	1.854,857	14.957,734	8,064	7,597
18	22	98.488	37.569,750	662.455,752	17,633	17,166	68	72	64.524	1.692,606	13.102,876	7,741	7,274
19	23	98.386	35.574,492	624.886,002	17,566	17,098	69	73	61.863	1.538,197	11.410,271	7,418	6,951
20	24	98.282	33.683,949	589.311,511	17,495	17,028	70	74	59.042	1.391,522	9.872,074	7,094	6,627
21	25	98.180	31.894,972	555.627,562	17,421	16,953	71	75	56.053	1.252,197	8.480,552	6,773	6,305
22	26	98.079	30.201,063	523.732,590	17,342	16,874	72	76	52.880	1.119,735	7.228,354	6,455	5,988
23	27	97.978	28.597,008	493.531,527	17,258	16,791	73	77	49.542	994,352	6.108,619	6,143	5,676
24	28	97.877	27.078,184	464.934,518	17,170	16,703	74	78	46.071	876,486	5.114,266	5,835	5,368
25	29	97.776	25.640,289	437.856,334	17,077	16,610	75	79	42.480	766,037	4.237,780	5,532	5,065
26	30	97.676	24.278,706	412.216,045	16,979	16,511	76	80	38.812	663,398	3.471,743	5,233	4,766
27	31	97.575	22.989,004	387.937,339	16,875	16,408	77	81	35.079	568,340	2.808,346	4,941	4,474
28	32	97.470	21.767,163	364.948,336	16,766	16,299	78	82	31.311	480,838	2.240,006	4,659	4,191
29	33	97.364	20.609,886	343.181,172	16,651	16,184	79	83	27.509	400,438	1.759,168	4,393	3,926
30	34	97.256	19.513,896	322.571,287	16,530	16,063	80	84	23.837	328,898	1.358,730	4,131	3,664
31	35	97.140	18.474,406	303.057,391	16,404	15,937	81	85	20.293	265,392	1.029,832	3,880	3,413
32	36	97.013	17.488,499	284.582,985	16,273	15,805	82	86	17.009	210,854	764,440	3,625	3,158
33	37	96.879	16.553,830	267.094,486	16,135	15,668	83	87	13.859	162,845	553,585	3,399	2,932
34	38	96.735	15.667,456	250.540,656	15,991	15,524	84	88	10.980	122,286	390,741	3,195	2,728
35	39	96.575	14.826,108	234.873,200	15,842	15,375	85	89	8.484	89,566	268,455	2,997	2,530
36	40	96.396	14.027,241	220.047,092	15,687	15,220	86	90	6.387	63,909	178,889	2,799	2,332
37	41	96.204	13.269,400	206.019,851	15,526	15,059	87	91	4.635	43,963	114,980	2,615	2,148
38	42	95.993	12.550,017	192.750,450	15,359	14,891	88	92	3.201	28,777	71,017	2,468	2,001
39	43	95.753	11.865,999	180.200,433	15,186	14,719	89	93	2.122	18,087	42,240	2,335	1,868
40	44	95.481	11.215,480	168.334,435	15,009	14,542	90	94	1.351	10,912	24,153	2,213	1,746
41	45	95.184	10.597,706	157.118,955	14,826	14,359	91	95	824	6,309	13,241	2,099	1,631
42	46	94.852	10.010,234	146.521,249	14,637	14,170	92	96	478	3,471	6,932	1,997	1,530
43	47	94.473	9.450,444	136.511,014	14,445	13,978	93	97	264	1,817	3,461	1,904	1,437
44	48	94.056	8.918,215	127.060,571	14,247	13,780	94	98	138	0,903	1,643	1,820	1,353
45	49	93.605	8.412,733	118.142,356	14,043	13,576	95	99	69	0,425	0,741	1,744	1,277
46	50	93.092	7.930,485	109.729,624	13,836	13,369	96	100	32	0,189	0,316	1,674	1,207
47	51	92.542	7.472,604	101.799,139	13,623	13,156	97	101	14	0,079	0,127	1,611	1,144
48	52	91.939	7.036,892	94.326,535	13,405	12,937	98	102	6	0,031	0,048	1,553	1,086
49	53	91.287	6.622,727	87.289,643	13,180	12,713	99	103	2	0,011	0,017	1,501	1,034
							100	104	1	0,004	0,006	1,453	0,986

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -5 Jahre

Zinsfuß 5,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	5	99.535	99.534,992	1.834.810,936	18,434	17,967	50	55	90.275	6.207,891	79.691,676	12,837	12,370
1	6	99.068	93.903,252	1.735.275,944	18,479	18,012	51	56	89.487	5.832,926	73.483,786	12,598	12,131
2	7	99.019	88.963,665	1.641.372,692	18,450	17,983	52	57	88.666	5.478,114	67.650,860	12,349	11,882
3	8	98.990	84.301,429	1.552.409,027	18,415	17,948	53	58	87.753	5.139,033	62.172,746	12,098	11,631
4	9	98.963	79.884,322	1.468.107,598	18,378	17,911	54	59	86.781	4.817,193	57.033,713	11,840	11,372
5	10	98.943	75.704,690	1.388.223,275	18,337	17,870	55	60	85.754	4.512,001	52.216,519	11,573	11,106
6	11	98.921	71.742,140	1.312.518,585	18,295	17,828	56	61	84.644	4.221,401	47.704,518	11,301	10,833
7	12	98.900	67.987,727	1.240.776,445	18,250	17,783	57	62	83.508	3.947,651	43.483,118	11,015	10,548
8	13	98.880	64.429,913	1.172.788,718	18,203	17,735	58	63	82.265	3.686,129	39.535,467	10,725	10,258
9	14	98.858	61.057,830	1.108.358,805	18,153	17,685	59	64	80.926	3.437,124	35.849,338	10,430	9,963
10	15	98.838	57.862,561	1.047.300,976	18,100	17,633	60	65	79.490	3.200,119	32.412,214	10,128	9,661
11	16	98.811	54.831,077	989.438,415	18,045	17,578	61	66	77.953	2.974,643	29.212,095	9,820	9,353
12	17	98.775	51.954,072	934.607,338	17,989	17,522	62	67	76.320	2.760,472	26.237,452	9,505	9,038
13	18	98.741	49.228,301	882.653,266	17,930	17,463	63	68	74.526	2.555,077	23.476,980	9,188	8,721
14	19	98.700	46.642,428	833.424,965	17,868	17,401	64	69	72.609	2.359,576	20.921,903	8,867	8,400
15	20	98.654	44.190,423	786.782,537	17,804	17,337	65	70	70.552	2.173,184	18.562,327	8,542	8,074
16	21	98.600	41.863,549	742.592,114	17,738	17,271	66	71	68.331	1.995,049	16.389,144	8,215	7,748
17	22	98.538	39.656,186	700.728,565	17,670	17,203	67	72	65.937	1.824,786	14.394,095	7,888	7,421
18	23	98.461	37.559,578	661.072,379	17,601	17,133	68	73	63.361	1.662,089	12.569,309	7,562	7,095
19	24	98.361	35.565,210	623.512,801	17,532	17,064	69	74	60.603	1.506,860	10.907,220	7,238	6,771
20	25	98.255	33.674,797	587.947,591	17,460	16,992	70	75	57.698	1.359,849	9.400,359	6,913	6,446
21	26	98.156	31.887,124	554.272,793	17,382	16,915	71	76	54.600	1.219,731	8.040,511	6,592	6,125
22	27	98.052	30.192,608	522.385,669	17,302	16,835	72	77	51.349	1.087,321	6.820,779	6,273	5,806
23	28	97.949	28.588,674	492.193,061	17,216	16,749	73	78	47.930	962,004	5.733,458	5,960	5,493
24	29	97.847	27.070,147	463.604,387	17,126	16,659	74	79	44.363	844,002	4.771,455	5,653	5,186
25	30	97.748	25.632,784	436.534,240	17,030	16,563	75	80	40.693	733,813	3.927,453	5,352	4,885
26	31	97.644	24.270,757	410.901,456	16,930	16,463	76	81	36.921	631,081	3.193,641	5,061	4,593
27	32	97.540	22.980,792	386.630,700	16,824	16,357	77	82	33.124	536,658	2.562,560	4,775	4,308
28	33	97.435	21.759,423	363.649,908	16,712	16,245	78	83	29.287	449,764	2.025,901	4,504	4,037
29	34	97.325	20.601,650	341.890,485	16,595	16,128	79	84	25.538	371,743	1.576,137	4,240	3,773
30	35	97.211	19.504,748	321.288,834	16,472	16,005	80	85	21.922	302,468	1.204,394	3,982	3,515
31	36	97.090	18.464,948	301.784,087	16,344	15,876	81	86	18.531	242,349	901,926	3,722	3,254
32	37	96.958	17.478,610	283.319,139	16,209	15,742	82	87	15.294	189,597	659,577	3,479	3,012
33	38	96.820	16.543,679	265.840,529	16,069	15,602	83	88	12.225	143,649	469,980	3,272	2,805
34	39	96.667	15.656,497	249.296,850	15,923	15,456	84	89	9.535	106,202	326,331	3,073	2,606
35	40	96.497	14.814,243	233.640,354	15,771	15,304	85	90	7.226	76,290	220,129	2,885	2,418
36	41	96.313	14.015,038	218.826,111	15,614	15,146	86	91	5.343	53,463	143,839	2,690	2,223
37	42	96.109	13.256,284	204.811,073	15,450	14,983	87	92	3.766	35,724	90,376	2,530	2,063
38	43	95.885	12.535,903	191.554,789	15,280	14,813	88	93	2.543	22,866	54,652	2,390	1,923
39	44	95.628	11.850,596	179.018,887	15,106	14,639	89	94	1.647	14,036	31,786	2,265	1,797
40	45	95.348	11.199,868	167.168,290	14,926	14,459	90	95	1.022	8,259	17,750	2,149	1,682
41	46	95.033	10.580,898	155.968,422	14,741	14,273	91	96	608	4,652	9,492	2,041	1,573
42	47	94.682	9.992,256	145.387,525	14,550	14,083	92	97	343	2,489	4,840	1,944	1,477
43	48	94.289	9.432,066	135.395,268	14,355	13,888	93	98	184	1,266	2,351	1,857	1,389
44	49	93.857	8.899,309	125.963,203	14,154	13,687	94	99	94	0,610	1,085	1,777	1,310
45	50	93.379	8.392,486	117.063,894	13,949	13,481	95	100	45	0,278	0,474	1,704	1,237
46	51	92.857	7.910,447	108.671,408	13,738	13,271	96	101	20	0,120	0,196	1,638	1,171
47	52	92.285	7.451,851	100.760,961	13,522	13,054	97	102	9	0,048	0,076	1,578	1,111
48	53	91.661	7.015,618	93.309,110	13,300	12,833	98	103	3	0,018	0,028	1,524	1,057
49	54	90.998	6.601,816	86.293,492	13,071	12,604	99	104	1	0,007	0,010	1,474	1,007
							100	105	0	0,002	0,003	1,429	0,962

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -6 Jahre

Zinsfuß 5,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	6	99.522	99.521,980	1.833.152,176	18,420	17,952	50	56	89.933	6.184,382	78.646,778	12,717	12,250
1	7	99.059	93.894,599	1.733.630,196	18,464	17,996	51	57	89.128	5.809,508	72.462,395	12,473	12,006
2	8	99.010	88.955,917	1.639.735,596	18,433	17,966	52	58	88.271	5.453,665	66.652,887	12,222	11,754
3	9	98.981	84.293,337	1.550.779,679	18,397	17,930	53	59	87.330	5.114,285	61.199,222	11,966	11,499
4	10	98.956	79.879,160	1.466.486,342	18,359	17,892	54	60	86.340	4.792,704	56.084,937	11,702	11,235
5	11	98.935	75.698,324	1.386.607,182	18,318	17,850	55	61	85.282	4.487,166	51.292,233	11,431	10,964
6	12	98.912	71.735,412	1.310.908,858	18,274	17,807	56	62	84.167	4.197,645	46.805,068	11,150	10,683
7	13	98.892	67.981,953	1.239.173,445	18,228	17,761	57	63	82.983	3.922,809	42.607,422	10,861	10,394
8	14	98.870	64.423,670	1.171.191,493	18,180	17,712	58	64	81.705	3.661,056	38.684,613	10,567	10,099
9	15	98.847	61.050,715	1.106.767,822	18,129	17,661	59	65	80.335	3.411,989	35.023,557	10,265	9,798
10	16	98.820	57.852,223	1.045.717,107	18,076	17,608	60	66	78.841	3.173,982	31.611,568	9,960	9,492
11	17	98.790	54.819,465	987.864,885	18,020	17,553	61	67	77.247	2.947,703	28.437,585	9,647	9,180
12	18	98.754	51.942,641	933.045,420	17,963	17,496	62	68	75.544	2.732,411	25.489,882	9,329	8,862
13	19	98.712	49.214,143	881.102,779	17,903	17,436	63	69	73.674	2.525,853	22.757,471	9,010	8,543
14	20	98.672	46.629,499	831.888,636	17,840	17,373	64	70	71.683	2.329,472	20.231,618	8,685	8,218
15	21	98.623	44.176,465	785.259,137	17,776	17,308	65	71	69.549	2.142,295	17.902,146	8,357	7,889
16	22	98.576	41.853,306	741.082,672	17,707	17,239	66	72	67.223	1.962,705	15.759,851	8,030	7,562
17	23	98.511	39.645,449	699.229,365	17,637	17,170	67	73	64.748	1.791,887	13.797,146	7,700	7,233
18	24	98.435	37.549,778	659.583,916	17,566	17,098	68	74	62.070	1.628,229	12.005,260	7,373	6,906
19	25	98.334	35.555,548	622.034,138	17,495	17,028	69	75	59.223	1.472,562	10.377,031	7,047	6,580
20	26	98.231	33.666,511	586.478,590	17,420	16,953	70	76	56.202	1.324,591	8.904,470	6,722	6,255
21	27	98.129	31.878,197	552.812,079	17,341	16,874	71	77	53.019	1.184,422	7.579,878	6,400	5,932
22	28	98.023	30.183,809	520.933,882	17,259	16,792	72	78	49.679	1.051,948	6.395,456	6,080	5,612
23	29	97.920	28.580,189	490.750,073	17,171	16,704	73	79	46.153	926,350	5.343,509	5,768	5,301
24	30	97.819	27.062,223	462.169,884	17,078	16,611	74	80	42.497	808,498	4.417,159	5,463	4,996
25	31	97.716	25.624,391	435.107,661	16,980	16,513	75	81	38.711	698,065	3.608,661	5,170	4,702
26	32	97.610	24.262,087	409.483,270	16,877	16,410	76	82	34.863	595,902	2.910,596	4,884	4,417
27	33	97.505	22.972,620	385.221,183	16,769	16,302	77	83	30.983	501,977	2.314,694	4,611	4,144
28	34	97.396	21.750,729	362.248,563	16,655	16,187	78	84	27.188	417,535	1.812,717	4,341	3,874
29	35	97.279	20.591,992	340.497,834	16,535	16,068	79	85	23.486	341,870	1.395,182	4,081	3,614
30	36	97.161	19.494,762	319.905,842	16,410	15,943	80	86	20.018	276,206	1.053,312	3,814	3,346
31	37	97.035	18.454,507	300.411,080	16,278	15,811	81	87	16.663	217,917	777,106	3,566	3,099
32	38	96.899	17.467,892	281.956,573	16,141	15,674	82	88	13.492	167,248	559,189	3,343	2,876
33	39	96.752	16.532,106	264.488,682	15,998	15,531	83	89	10.617	124,755	391,941	3,142	2,674
34	40	96.590	15.643,968	247.956,576	15,850	15,383	84	90	8.122	90,460	267,186	2,954	2,486
35	41	96.413	14.801,355	232.312,608	15,695	15,228	85	91	6.045	63,819	176,726	2,769	2,302
36	42	96.217	14.001,184	217.511,253	15,535	15,068	86	92	4.341	43,444	112,907	2,599	2,132
37	43	96.001	13.241,375	203.510,069	15,369	14,902	87	93	2.993	28,387	69,463	2,447	1,980
38	44	95.760	12.519,631	190.268,694	15,198	14,730	88	94	1.974	17,744	41,076	2,315	1,848
39	45	95.495	11.834,100	177.749,064	15,020	14,553	89	95	1.247	10,623	23,332	2,196	1,729
40	46	95.197	11.182,105	165.914,963	14,838	14,370	90	96	754	6,089	12,709	2,087	1,620
41	47	94.862	10.561,895	154.732,859	14,650	14,183	91	97	436	3,336	6,620	1,984	1,517
42	48	94.498	9.972,825	144.170,964	14,456	13,989	92	98	239	1,734	3,284	1,893	1,426
43	49	94.089	9.412,070	134.198,139	14,258	13,791	93	99	124	0,856	1,550	1,811	1,343
44	50	93.631	8.877,890	124.786,069	14,056	13,589	94	100	61	0,400	0,694	1,735	1,268
45	51	93.144	8.371,281	115.908,178	13,846	13,379	95	101	29	0,176	0,294	1,666	1,199
46	52	92.599	7.888,478	107.536,897	13,632	13,165	96	102	13	0,073	0,118	1,604	1,137
47	53	92.006	7.429,322	99.648,419	13,413	12,946	97	103	5	0,029	0,044	1,547	1,080
48	54	91.371	6.993,466	92.219,097	13,186	12,719	98	104	2	0,010	0,016	1,495	1,028
49	55	90.682	6.578,853	85.225,631	12,954	12,487	99	105	1	0,004	0,005	1,448	0,981
							100	106					

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -7 Jahre

Zinsfuß 5,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	7	99.513	99.512,810	1.831.375,068	18,403	17,936	50	57	89.572	6.159,554	77.529,371	12,587	12,120
1	8	99.050	93.886,422	1.731.862,258	18,446	17,979	51	58	88.730	5.783,580	71.369,818	12,340	11,873
2	9	99.001	88.947,378	1.637.975,836	18,415	17,948	52	59	87.846	5.427,402	65.586,238	12,084	11,617
3	10	98.974	84.287,890	1.549.028,457	18,378	17,911	53	60	86.886	5.088,285	60.158,836	11,823	11,356
4	11	98.948	79.872,443	1.464.740,567	18,338	17,871	54	61	85.865	4.766,324	55.070,550	11,554	11,087
5	12	98.925	75.691,225	1.384.868,124	18,296	17,829	55	62	84.802	4.461,915	50.304,227	11,274	10,807
6	13	98.903	71.729,320	1.309.176,899	18,252	17,784	56	63	83.638	4.171,230	45.842,312	10,990	10,523
7	14	98.882	67.975,366	1.237.447,579	18,204	17,737	57	64	82.418	3.896,127	41.671,082	10,696	10,228
8	15	98.859	64.416,163	1.169.472,213	18,155	17,688	58	65	81.108	3.634,284	37.774,955	10,394	9,927
9	16	98.829	61.039,807	1.105.056,050	18,104	17,637	59	66	79.679	3.384,122	34.140,672	10,088	9,621
10	17	98.799	57.839,971	1.044.016,243	18,050	17,583	60	67	78.127	3.145,237	30.756,549	9,779	9,312
11	18	98.768	54.807,404	986.176,272	17,993	17,526	61	68	76.462	2.917,740	27.611,313	9,463	8,996
12	19	98.725	51.927,702	931.368,868	17,936	17,469	62	69	74.680	2.701,159	24.693,573	9,142	8,675
13	20	98.685	49.200,501	879.441,166	17,875	17,407	63	70	72.734	2.493,628	21.992,414	8,819	8,352
14	21	98.641	46.614,771	830.240,665	17,811	17,343	64	71	70.664	2.296,362	19.498,786	8,491	8,024
15	22	98.599	44.165,656	783.625,894	17,743	17,276	65	72	68.421	2.107,563	17.202,424	8,162	7,695
16	23	98.549	41.841,975	739.460,238	17,673	17,206	66	73	66.011	1.927,319	15.094,861	7,832	7,365
17	24	98.485	39.635,106	697.618,263	17,601	17,134	67	74	63.429	1.755,382	13.167,542	7,501	7,034
18	25	98.409	37.539,577	657.983,157	17,528	17,061	68	75	60.657	1.591,167	11.412,160	7,172	6,705
19	26	98.310	35.546,799	620.443,580	17,454	16,987	69	76	57.688	1.434,382	9.820,993	6,847	6,380
20	27	98.203	33.657,086	584.896,781	17,378	16,911	70	77	54.575	1.286,246	8.386,611	6,520	6,053
21	28	98.100	31.868,906	551.239,695	17,297	16,830	71	78	51.294	1.145,890	7.100,365	6,196	5,729
22	29	97.994	30.174,850	519.370,789	17,212	16,745	72	79	47.838	1.012,960	5.954,475	5,878	5,411
23	30	97.891	28.571,823	489.195,939	17,122	16,654	73	80	44.212	887,382	4.941,515	5,569	5,101
24	31	97.787	27.053,362	460.624,116	17,027	16,559	74	81	40.427	769,112	4.054,133	5,271	4,804
25	32	97.681	25.615,238	433.570,754	16,926	16,459	75	82	36.553	659,153	3.285,020	4,984	4,517
26	33	97.575	24.253,460	407.955,516	16,821	16,353	76	83	32.610	557,392	2.625,868	4,711	4,244
27	34	97.466	22.963,441	383.702,056	16,709	16,242	77	84	28.763	466,007	2.068,476	4,439	3,972
28	35	97.351	21.740,532	360.738,615	16,593	16,126	78	85	25.004	383,981	1.602,469	4,173	3,706
29	36	97.229	20.581,450	338.998,083	16,471	16,004	79	86	21.447	312,187	1.218,488	3,903	3,436
30	37	97.106	19.483,738	318.416,634	16,343	15,876	80	87	18.000	248,360	906,301	3,649	3,182
31	38	96.976	18.443,190	298.932,895	16,208	15,741	81	88	14.698	192,230	657,941	3,423	2,955
32	39	96.831	17.455,673	280.489,705	16,069	15,601	82	89	11.717	145,250	465,711	3,206	2,739
33	40	96.674	16.518,876	263.034,033	15,923	15,456	83	90	9.044	106,263	320,461	3,016	2,549
34	41	96.506	15.630,358	246.515,156	15,772	15,304	84	91	6.794	75,673	214,197	2,831	2,363
35	42	96.318	14.786,724	230.884,799	15,614	15,147	85	92	4.912	51,860	138,524	2,671	2,204
36	43	96.109	13.985,438	216.098,075	15,452	14,984	86	93	3.450	34,521	86,664	2,510	2,043
37	44	95.876	13.224,187	202.112,637	15,284	14,816	87	94	2.322	22,028	52,144	2,367	1,900
38	45	95.627	12.502,203	188.888,450	15,108	14,641	88	95	1.494	13,430	30,115	2,242	1,775
39	46	95.344	11.815,331	176.386,247	14,929	14,461	89	96	919	7,832	16,685	2,131	1,663
40	47	95.026	11.162,022	164.570,916	14,744	14,277	90	97	541	4,367	8,854	2,028	1,560
41	48	94.678	10.541,355	153.408,894	14,553	14,086	91	98	304	2,324	4,487	1,931	1,463
42	49	94.297	9.951,683	142.867,538	14,356	13,889	92	99	162	1,173	2,163	1,845	1,377
43	50	93.863	9.389,418	132.915,855	14,156	13,689	93	100	82	0,561	0,990	1,766	1,299
44	51	93.394	8.855,459	123.526,437	13,949	13,482	94	101	39	0,253	0,430	1,695	1,228
45	52	92.885	8.348,032	114.670,978	13,736	13,269	95	102	17	0,108	0,176	1,630	1,163
46	53	92.319	7.864,630	106.322,946	13,519	13,052	96	103	7	0,043	0,068	1,571	1,104
47	54	91.715	7.405,864	98.458,316	13,295	12,827	97	104	3	0,016	0,025	1,517	1,050
48	55	91.054	6.969,141	91.052,452	13,065	12,598	98	105	1	0,006	0,008	1,468	1,001
49	56	90.339	6.553,940	84.083,311	12,829	12,362	99	106					
							100	107					

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -8 Jahre

Zinsfuß 5,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	8	99.504	99.504,143	1.829.468,163	18,386	17,919	50	58	89.172	6.132,063	76.336,053	12,449	11,981
1	9	99.041	93.877,410	1.729.964,019	18,428	17,961	51	59	88.303	5.755,728	70.203,990	12,197	11,730
2	10	98.994	88.941,631	1.636.086,609	18,395	17,928	52	60	87.399	5.399,810	64.448,261	11,935	11,468
3	11	98.966	84.280,802	1.547.144,979	18,357	17,890	53	61	86.408	5.060,278	59.048,451	11,669	11,202
4	12	98.939	79.864,953	1.462.864,176	18,317	17,850	54	62	85.382	4.739,502	53.988,173	11,391	10,924
5	13	98.917	75.684,797	1.382.999,223	18,273	17,806	55	63	84.268	4.433,837	49.248,671	11,107	10,640
6	14	98.894	71.722,370	1.307.314,427	18,227	17,760	56	64	83.069	4.142,858	44.814,835	10,817	10,350
7	15	98.871	67.967,445	1.235.592,057	18,179	17,712	57	65	81.816	3.867,635	40.671,977	10,516	10,049
8	16	98.841	64.404,654	1.167.624,612	18,130	17,662	58	66	80.445	3.604,601	36.804,342	10,210	9,743
9	17	98.808	61.026,880	1.103.219,957	18,078	17,610	59	67	78.957	3.353,474	33.199,740	9,900	9,433
10	18	98.777	57.827,245	1.042.193,077	18,023	17,555	60	68	77.333	3.113,265	29.846,267	9,587	9,120
11	19	98.740	54.791,642	984.365,832	17,966	17,498	61	69	75.588	2.884,368	26.733,001	9,268	8,801
12	20	98.698	51.913,308	929.574,190	17,906	17,439	62	70	73.727	2.666,697	23.848,634	8,943	8,476
13	21	98.654	49.184,960	877.660,883	17,844	17,377	63	71	71.700	2.458,185	21.181,936	8,617	8,150
14	22	98.617	46.603,365	828.475,922	17,777	17,310	64	72	69.518	2.259,133	18.723,751	8,288	7,821
15	23	98.572	44.153,699	781.872,557	17,708	17,241	65	73	67.188	2.069,566	16.464,619	7,956	7,488
16	24	98.523	41.831,058	737.718,858	17,636	17,168	66	74	64.666	1.888,055	14.395,053	7,624	7,157
17	25	98.459	39.624,338	695.887,800	17,562	17,095	67	75	61.985	1.715,426	12.506,998	7,291	6,824
18	26	98.385	37.530,340	656.263,462	17,486	17,019	68	76	59.085	1.549,912	10.791,572	6,963	6,496
19	27	98.282	35.536,847	618.733,122	17,411	16,944	69	77	56.018	1.392,859	9.241,660	6,635	6,168
20	28	98.175	33.647,277	583.196,275	17,333	16,865	70	78	52.800	1.244,402	7.848,801	6,307	5,840
21	29	98.071	31.859,447	549.548,998	17,249	16,782	71	79	49.393	1.103,421	6.604,399	5,985	5,518
22	30	97.965	30.166,017	517.689,551	17,161	16,694	72	80	45.825	970,349	5.500,979	5,669	5,202
23	31	97.859	28.562,468	487.523,534	17,069	16,601	73	81	42.058	844,154	4.530,630	5,367	4,900
24	32	97.752	27.043,699	458.961,066	16,971	16,504	74	82	38.173	726,239	3.686,476	5,076	4,609
25	33	97.646	25.606,130	431.917,367	16,868	16,401	75	83	34.191	616,555	2.960,237	4,801	4,334
26	34	97.536	24.243,769	406.311,237	16,759	16,292	76	84	30.273	517,451	2.343,682	4,529	4,062
27	35	97.420	22.952,675	382.067,468	16,646	16,179	77	85	26.451	428,558	1.826,231	4,261	3,794
28	36	97.301	21.729,401	359.114,793	16,527	16,059	78	86	22.833	350,642	1.397,674	3,986	3,519
29	37	97.174	20.569,812	337.385,392	16,402	15,935	79	87	19.284	280,714	1.047,031	3,730	3,263
30	38	97.046	19.471,791	316.815,580	16,270	15,803	80	88	15.878	219,084	766,318	3,498	3,031
31	39	96.908	18.430,289	297.343,789	16,133	15,666	81	89	12.765	166,946	547,233	3,278	2,811
32	40	96.754	17.441,704	278.913,500	15,991	15,524	82	90	9.980	123,721	380,287	3,074	2,607
33	41	96.590	16.504,505	261.471,797	15,842	15,375	83	91	7.565	88,893	256,566	2,886	2,419
34	42	96.410	15.614,907	244.967,292	15,688	15,221	84	92	5.521	61,492	167,673	2,727	2,260
35	43	96.210	14.770,094	229.352,385	15,528	15,061	85	93	3.903	41,208	106,181	2,577	2,110
36	44	95.984	13.967,284	214.582,291	15,363	14,896	86	94	2.677	26,788	64,973	2,425	1,958
37	45	95.743	13.205,779	200.615,007	15,191	14,724	87	95	1.758	16,672	38,184	2,290	1,823
38	46	95.475	12.482,375	187.409,228	15,014	14,547	88	96	1.101	9,901	21,512	2,173	1,706
39	47	95.172	11.794,111	174.926,853	14,832	14,365	89	97	659	5,617	11,611	2,067	1,600
40	48	94.841	11.140,316	163.132,742	14,643	14,176	90	98	377	3,042	5,994	1,970	1,503
41	49	94.477	10.519,008	151.992,426	14,449	13,982	91	99	205	1,571	2,952	1,879	1,412
42	50	94.070	9.927,732	141.473,418	14,250	13,783	92	100	106	0,768	1,381	1,798	1,330
43	51	93.626	9.365,695	131.545,686	14,045	13,578	93	101	52	0,355	0,613	1,724	1,257
44	52	93.135	8.830,865	122.179,991	13,836	13,368	94	102	24	0,155	0,257	1,656	1,189
45	53	92.604	8.322,794	113.349,126	13,619	13,152	95	103	10	0,064	0,102	1,595	1,128
46	54	92.028	7.839,797	105.026,332	13,397	12,929	96	104	4	0,025	0,038	1,539	1,072
47	55	91.396	7.380,105	97.186,535	13,169	12,702	97	105	2	0,009	0,013	1,488	1,021
48	56	90.709	6.942,750	89.806,430	12,935	12,468	98	106					
49	57	89.976	6.527,627	82.863,680	12,694	12,227	99	107					
							100	108					

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -9 Jahre

Zinsfuß 5,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	9	99.495	99.494,592	1.827.423,052	18,367	17,900	50	59	88.743	6.102,533	75.064,809	12,301	11,833
1	10	99.034	93.871,344	1.727.928,460	18,407	17,940	51	60	87.854	5.726,467	68.962,276	12,043	11,576
2	11	98.986	88.934,152	1.634.057,116	18,374	17,907	52	61	86.918	5.370,088	63.235,809	11,776	11,308
3	12	98.957	84.272,899	1.545.122,964	18,335	17,868	53	62	85.922	5.031,802	57.865,720	11,500	11,033
4	13	98.930	79.858,170	1.460.850,066	18,293	17,826	54	63	84.845	4.709,677	52.833,918	11,218	10,751
5	14	98.907	75.677,464	1.380.991,896	18,248	17,781	55	64	83.695	4.403,678	48.124,241	10,928	10,461
6	15	98.882	71.714,013	1.305.314,432	18,202	17,734	56	65	82.461	4.112,562	43.720,563	10,631	10,164
7	16	98.853	67.955,301	1.233.600,419	18,153	17,686	57	66	81.147	3.836,047	39.608,001	10,325	9,858
8	17	98.820	64.391,015	1.165.645,118	18,103	17,635	58	67	79.717	3.571,956	35.771,955	10,015	9,547
9	18	98.787	61.013,453	1.101.254,103	18,049	17,582	59	68	78.154	3.319,386	32.199,999	9,701	9,233
10	19	98.749	57.810,614	1.040.240,650	17,994	17,527	60	69	76.448	3.077,657	28.880,613	9,384	8,917
11	20	98.712	54.776,453	982.430,036	17,935	17,468	61	70	74.623	2.847,568	25.802,956	9,061	8,594
12	21	98.667	51.896,911	927.653,583	17,875	17,408	62	71	72.679	2.628,794	22.955,387	8,732	8,265
13	22	98.630	49.172,926	875.756,672	17,810	17,343	63	72	70.538	2.418,332	20.326,593	8,405	7,938
14	23	98.590	46.590,748	826.583,746	17,741	17,274	64	73	68.265	2.218,402	17.908,261	8,073	7,605
15	24	98.546	44.142,179	779.992,998	17,670	17,203	65	74	65.819	2.027,404	15.689,859	7,739	7,272
16	25	98.496	41.819,694	735.850,819	17,596	17,129	66	75	63.194	1.845,079	13.662,455	7,405	6,938
17	26	98.434	39.614,587	694.031,125	17,520	17,052	67	76	60.378	1.670,949	11.817,375	7,072	6,605
18	27	98.357	37.519,833	654.416,538	17,442	16,975	68	77	57.374	1.505,045	10.146,426	6,742	6,274
19	28	98.254	35.526,491	616.896,705	17,364	16,897	69	78	54.195	1.347,546	8.641,381	6,413	5,945
20	29	98.145	33.637,290	581.370,214	17,284	16,816	70	79	50.843	1.198,281	7.293,836	6,087	5,620
21	30	98.042	31.850,122	547.732,925	17,197	16,730	71	80	47.315	1.057,004	6.095,554	5,767	5,300
22	31	97.933	30.156,140	515.882,803	17,107	16,640	72	81	43.593	923,079	5.038,550	5,458	4,991
23	32	97.824	28.552,265	485.726,663	17,012	16,545	73	82	39.714	797,097	4.115,471	5,163	4,696
24	33	97.717	27.034,083	457.174,397	16,911	16,444	74	83	35.707	679,306	3.318,374	4,885	4,418
25	34	97.607	25.595,898	430.140,315	16,805	16,338	75	84	31.741	572,374	2.639,068	4,611	4,144
26	35	97.490	24.232,403	404.544,416	16,694	16,227	76	85	27.840	475,867	2.066,693	4,343	3,876
27	36	97.370	22.940,925	380.312,014	16,578	16,111	77	86	24.155	391,348	1.590,826	4,065	3,598
28	37	97.246	21.717,114	357.371,089	16,456	15,989	78	87	20.531	315,292	1.199,477	3,804	3,337
29	38	97.115	20.557,198	335.653,975	16,328	15,861	79	88	17.011	247,624	884,185	3,571	3,103
30	39	96.979	19.458,170	315.096,777	16,194	15,726	80	89	13.790	190,269	636,561	3,346	2,878
31	40	96.830	18.415,540	295.638,607	16,054	15,587	81	90	10.873	142,201	446,292	3,138	2,671
32	41	96.670	17.426,530	277.223,067	15,908	15,441	82	91	8.349	103,497	304,092	2,938	2,471
33	42	96.495	16.488,191	259.796,538	15,757	15,289	83	92	6.148	72,235	200,595	2,777	2,310
34	43	96.302	15.597,345	243.308,347	15,599	15,132	84	93	4.387	48,862	128,360	2,627	2,160
35	44	96.085	14.750,922	227.711,002	15,437	14,970	85	94	3.029	31,978	79,498	2,486	2,019
36	45	95.851	13.947,842	212.960,080	15,268	14,801	86	95	2.026	20,275	47,520	2,344	1,877
37	46	95.591	13.184,834	199.012,238	15,094	14,627	87	96	1.296	12,291	27,245	2,217	1,749
38	47	95.304	12.459,957	185.827,404	14,914	14,447	88	97	790	7,101	14,953	2,106	1,639
39	48	94.987	11.771,176	173.367,447	14,728	14,261	89	98	459	3,913	7,853	2,007	1,540
40	49	94.640	11.116,699	161.596,271	14,536	14,069	90	99	255	2,057	3,939	1,915	1,448
41	50	94.250	10.493,692	150.479,572	14,340	13,873	91	100	134	1,029	1,883	1,829	1,362
42	51	93.833	9.902,648	139.985,880	14,136	13,669	92	101	67	0,487	0,853	1,753	1,286
43	52	93.366	9.339,684	130.083,232	13,928	13,461	93	102	32	0,218	0,367	1,683	1,216
44	53	92.853	8.804,168	120.743,548	13,714	13,247	94	103	14	0,092	0,149	1,619	1,152
45	54	92.312	8.296,515	111.939,380	13,492	13,025	95	104	6	0,036	0,057	1,562	1,094
46	55	91.707	7.812,528	103.642,866	13,266	12,799	96	105	2	0,014	0,020	1,509	1,042
47	56	91.050	7.352,157	95.830,337	13,034	12,567	97	106					
48	57	90.345	6.914,877	88.478,180	12,795	12,328	98	107					
49	58	89.574	6.498,494	81.563,304	12,551	12,084	99	108					
							100	109					

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -10 Jahre

Zinsfuß 5,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	10	99.488	99.488,163	1.825.232,501	18,346	17,879	50	60	88.292	6.071,509	73.713,024	12,141	11,674
1	11	99.026	93.863,450	1.725.744,338	18,386	17,919	51	61	87.371	5.694,948	67.641,515	11,877	11,410
2	12	98.977	88.925,812	1.631.880,888	18,351	17,884	52	62	86.429	5.339,869	61.946,567	11,601	11,134
3	13	98.948	84.265,741	1.542.955,077	18,311	17,843	53	63	85.381	5.000,138	56.606,698	11,321	10,854
4	14	98.921	79.850,432	1.458.689,336	18,268	17,801	54	64	84.267	4.677,642	51.606,561	11,033	10,565
5	15	98.896	75.668,645	1.378.838,903	18,222	17,755	55	65	83.083	4.371,475	46.928,919	10,735	10,268
6	16	98.865	71.701,200	1.303.170,258	18,175	17,708	56	66	81.788	4.078,973	42.557,443	10,433	9,966
7	17	98.832	67.940,910	1.231.469,058	18,126	17,658	57	67	80.412	3.801,305	38.478,470	10,122	9,655
8	18	98.798	64.376,848	1.163.528,148	18,074	17,607	58	68	78.906	3.535,647	34.677,165	9,808	9,341
9	19	98.758	60.995,906	1.099.151,300	18,020	17,553	59	69	77.260	3.281,420	31.141,518	9,490	9,023
10	20	98.722	57.794,589	1.038.155,394	17,963	17,496	60	70	75.473	3.038,392	27.860,098	9,169	8,702
11	21	98.681	54.759,152	980.360,805	17,903	17,436	61	71	73.563	2.807,094	24.821,706	8,842	8,375
12	22	98.643	51.884,213	925.601,654	17,840	17,373	62	72	71.501	2.586,175	22.014,612	8,512	8,045
13	23	98.603	49.159,613	873.717,441	17,773	17,306	63	73	69.266	2.374,732	19.428,437	8,181	7,714
14	24	98.565	46.578,592	824.557,828	17,703	17,235	64	74	66.874	2.173,208	17.053,705	7,847	7,380
15	25	98.520	44.130,187	777.979,236	17,629	17,162	65	75	64.321	1.981,257	14.880,497	7,511	7,043
16	26	98.472	41.809,403	733.849,049	17,552	17,085	66	76	61.556	1.797,241	12.899,240	7,177	6,710
17	27	98.407	39.603,497	692.039,646	17,474	17,007	67	77	58.630	1.622,578	11.101,999	6,842	6,375
18	28	98.328	37.508,898	652.436,149	17,394	16,927	68	78	55.508	1.456,082	9.479,421	6,510	6,043
19	29	98.225	35.515,946	614.927,251	17,314	16,847	69	79	52.187	1.297,603	8.023,338	6,183	5,716
20	30	98.117	33.627,444	579.411,305	17,230	16,763	70	80	48.704	1.147,874	6.725,736	5,859	5,392
21	31	98.010	31.839,693	545.783,861	17,142	16,674	71	81	45.010	1.005,513	5.577,861	5,547	5,080
22	32	97.898	30.145,368	513.944,168	17,049	16,582	72	82	41.163	871,623	4.572,349	5,246	4,779
23	33	97.790	28.542,113	483.798,799	16,950	16,483	73	83	37.147	745,585	3.700,726	4,964	4,496
24	34	97.678	27.023,280	455.256,687	16,847	16,380	74	84	33.148	630,629	2.955,140	4,686	4,219
25	35	97.561	25.583,899	428.233,406	16,738	16,271	75	85	29.190	526,377	2.324,512	4,416	3,949
26	36	97.440	24.219,997	402.649,508	16,625	16,157	76	86	25.423	434,550	1.798,134	4,138	3,671
27	37	97.315	22.927,952	378.429,511	16,505	16,038	77	87	21.720	351,895	1.363,584	3,875	3,408
28	38	97.186	21.703,797	355.501,558	16,380	15,913	78	88	18.111	278,126	1.011,689	3,638	3,170
29	39	97.047	20.542,818	333.797,761	16,249	15,782	79	89	14.774	215,055	733,563	3,411	2,944
30	40	96.901	19.442,598	313.254,944	16,112	15,645	80	90	11.746	162,066	518,508	3,199	2,732
31	41	96.746	18.399,518	293.812,345	15,968	15,501	81	91	9.096	118,956	356,442	2,996	2,529
32	42	96.574	17.409,304	275.412,827	15,820	15,353	82	92	6.784	84,102	237,485	2,824	2,357
33	43	96.386	16.469,647	258.003,523	15,665	15,198	83	93	4.885	57,398	153,384	2,672	2,205
34	44	96.177	15.577,100	241.533,876	15,506	15,039	84	94	3.404	37,918	95,985	2,531	2,064
35	45	95.951	14.730,388	225.956,776	15,339	14,872	85	95	2.293	24,203	58,068	2,399	1,932
36	46	95.699	13.925,720	211.226,388	15,168	14,701	86	96	1.494	14,947	33,865	2,266	1,798
37	47	95.419	13.161,155	197.300,668	14,991	14,524	87	97	929	8,815	18,918	2,146	1,679
38	48	95.118	12.435,726	184.139,513	14,807	14,340	88	98	550	4,947	10,103	2,042	1,575
39	49	94.786	11.746,222	171.703,787	14,618	14,151	89	99	310	2,645	5,155	1,949	1,482
40	50	94.412	11.089,944	159.957,565	14,424	13,956	90	100	167	1,347	2,510	1,863	1,396
41	51	94.011	10.467,178	148.867,621	14,222	13,755	91	101	85	0,653	1,163	1,782	1,315
42	52	93.572	9.875,146	138.400,443	14,015	13,548	92	102	41	0,298	0,510	1,710	1,243
43	53	93.084	9.311,448	128.525,296	13,803	13,336	93	103	19	0,129	0,212	1,644	1,177
44	54	92.560	8.776,368	119.213,848	13,584	13,116	94	104	8	0,052	0,083	1,584	1,117
45	55	91.991	8.267,657	110.437,480	13,358	12,891	95	105	3	0,020	0,031	1,529	1,062
46	56	91.360	7.782,943	102.169,822	13,127	12,660	96	106					
47	57	90.685	7.322,640	94.386,879	12,890	12,423	97	107					
48	58	89.941	6.884,015	87.064,239	12,647	12,180	98	108					
49	59	89.143	6.467,200	80.180,224	12,398	11,931	99	109					
							100	110					

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -11 Jahre

Zinsfuß 5,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	11	99.480	99.479,797	1.822.884,789	18,324	17,857	50	61	87.806	6.038,090	72.277,524	11,970	11,503
1	12	99.017	93.854,647	1.723.404,993	18,362	17,895	51	62	86.879	5.662,900	66.239,434	11,697	11,230
2	13	98.968	88.918,259	1.629.550,345	18,326	17,859	52	63	85.885	5.306,266	60.576,534	11,416	10,949
3	14	98.939	84.257,577	1.540.632,086	18,285	17,818	53	64	84.800	4.966,128	55.270,268	11,129	10,662
4	15	98.909	79.841,128	1.456.374,509	18,241	17,774	54	65	83.651	4.643,435	50.304,141	10,833	10,366
5	16	98.878	75.655,126	1.376.533,381	18,195	17,728	55	66	82.405	4.335,772	45.660,705	10,531	10,064
6	17	98.844	71.686,015	1.300.878,256	18,147	17,680	56	67	81.047	4.042,032	41.324,934	10,224	9,757
7	18	98.810	67.925,962	1.229.192,241	18,096	17,629	57	68	79.595	3.762,665	37.282,902	9,909	9,441
8	19	98.770	64.358,333	1.161.266,279	18,044	17,577	58	69	78.004	3.495,208	33.520,237	9,590	9,123
9	20	98.731	60.978,998	1.096.907,946	17,988	17,521	59	70	76.275	3.239,555	30.025,030	9,268	8,801
10	21	98.690	57.776,334	1.035.928,948	17,930	17,463	60	71	74.400	2.995,206	26.785,475	8,943	8,476
11	22	98.657	54.745,754	978.152,614	17,867	17,400	61	72	72.370	2.761,585	23.790,269	8,615	8,148
12	23	98.616	51.870,166	923.406,860	17,802	17,335	62	73	70.212	2.539,549	21.028,684	8,280	7,813
13	24	98.577	49.146,787	871.536,694	17,733	17,266	63	74	67.855	2.326,353	18.489,135	7,948	7,481
14	25	98.538	46.565,938	822.389,907	17,661	17,194	64	75	65.352	2.123,742	16.162,782	7,611	7,143
15	26	98.495	44.119,328	775.823,969	17,585	17,117	65	76	62.653	1.929,888	14.039,040	7,275	6,807
16	27	98.445	41.797,698	731.704,642	17,506	17,039	66	77	59.774	1.745,214	12.109,152	6,938	6,471
17	28	98.378	39.591,955	689.906,943	17,425	16,958	67	78	56.723	1.569,792	10.363,938	6,602	6,135
18	29	98.299	37.497,765	650.314,988	17,343	16,876	68	79	53.450	1.402,117	8.794,147	6,272	5,805
19	30	98.196	35.505,550	612.817,223	17,260	16,793	69	80	49.992	1.243,017	7.392,030	5,947	5,480
20	31	98.085	33.616,434	577.311,674	17,173	16,706	70	81	46.332	1.091,956	6.149,013	5,631	5,164
21	32	97.975	31.828,320	543.695,240	17,082	16,615	71	82	42.501	949,461	5.057,056	5,326	4,859
22	33	97.863	30.134,649	511.866,920	16,986	16,519	72	83	38.503	815,295	4.107,595	5,038	4,571
23	34	97.751	28.530,708	481.732,271	16,885	16,418	73	84	34.485	692,158	3.292,299	4,757	4,289
24	35	97.632	27.010,611	453.201,563	16,779	16,311	74	85	30.484	579,950	2.600,141	4,483	4,016
25	36	97.511	25.570,801	426.190,951	16,667	16,200	75	86	26.655	480,675	2.020,191	4,203	3,736
26	37	97.385	24.206,301	400.620,151	16,550	16,083	76	87	22.860	390,741	1.539,516	3,940	3,473
27	38	97.256	22.913,893	376.413,849	16,427	15,960	77	88	19.159	310,414	1.148,774	3,701	3,234
28	39	97.118	21.688,615	353.499,957	16,299	15,832	78	89	15.729	241,545	838,360	3,471	3,004
29	40	96.969	20.526,378	331.811,342	16,165	15,698	79	90	12.584	183,178	596,815	3,258	2,791
30	41	96.817	19.425,684	311.284,963	16,024	15,557	80	91	9.826	135,575	413,637	3,051	2,584
31	42	96.650	18.381,331	291.859,280	15,878	15,411	81	92	7.391	96,664	278,062	2,877	2,409
32	43	96.465	17.389,724	273.477,949	15,726	15,259	82	93	5.391	66,828	181,398	2,714	2,247
33	44	96.261	16.448,269	256.088,225	15,569	15,102	83	94	3.791	44,542	114,570	2,572	2,105
34	45	96.043	15.555,416	239.639,956	15,406	14,938	84	95	2.577	28,698	70,028	2,440	1,973
35	46	95.799	14.707,026	224.084,540	15,237	14,769	85	96	1.690	17,843	41,330	2,316	1,849
36	47	95.527	13.900,710	209.377,514	15,062	14,595	86	97	1.071	10,720	23,487	2,191	1,724
37	48	95.233	13.135,561	195.476,804	14,881	14,414	87	98	648	6,142	12,768	2,079	1,612
38	49	94.917	12.409,363	182.341,243	14,694	14,227	88	99	372	3,345	6,626	1,981	1,514
39	50	94.558	11.717,952	169.931,880	14,502	14,035	89	100	203	1,733	3,281	1,893	1,426
40	51	94.174	11.061,924	158.213,928	14,303	13,835	90	101	106	0,854	1,548	1,813	1,346
41	52	93.750	10.438,109	147.152,004	14,098	13,630	91	102	52	0,400	0,694	1,736	1,269
42	53	93.289	9.845,292	136.713,896	13,886	13,419	92	103	24	0,176	0,294	1,669	1,201
43	54	92.790	9.282,047	126.868,604	13,668	13,201	93	104	11	0,073	0,118	1,607	1,140
44	55	92.238	8.745,842	117.586,557	13,445	12,978	94	105	4	0,029	0,045	1,550	1,083
45	56	91.642	8.236,349	108.840,715	13,215	12,747	95	106					
46	57	90.993	7.751,697	100.604,366	12,978	12,511	96	107					
47	58	90.280	7.289,959	92.852,669	12,737	12,270	97	108					
48	59	89.508	6.850,864	85.562,711	12,489	12,022	98	109					
49	60	88.690	6.434,322	78.711,846	12,233	11,766	99	110					
							100	111					

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -12 Jahre

Zinsfuß 5,50%

Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	12	99.470	99.470,467	1.820.373,042	18,301	17,833	50	62	87.312	6.004,112	70.756,071	11,785	11,317
1	13	99.008	93.846,677	1.720.902,574	18,337	17,870	51	63	86.332	5.627,264	64.751,959	11,507	11,040
2	14	98.959	88.909,644	1.627.055,898	18,300	17,833	52	64	85.301	5.270,173	59.124,695	11,219	10,752
3	15	98.927	84.247,759	1.538.146,254	18,257	17,790	53	65	84.180	4.929,811	53.854,522	10,924	10,457
4	16	98.891	79.826,863	1.453.898,495	18,213	17,746	54	66	82.968	4.605,511	48.924,711	10,623	10,156
5	17	98.857	75.639,104	1.374.071,632	18,166	17,699	55	67	81.658	4.296,504	44.319,200	10,315	9,848
6	18	98.822	71.670,243	1.298.432,528	18,117	17,650	56	68	80.223	4.000,944	40.022,696	10,003	9,536
7	19	98.782	67.906,427	1.226.762,286	18,065	17,598	57	69	78.685	3.719,629	36.021,752	9,684	9,217
8	20	98.742	64.340,493	1.158.855,859	18,011	17,544	58	70	77.009	3.450,615	32.302,122	9,361	8,894
9	21	98.700	60.959,737	1.094.515,366	17,955	17,488	59	71	75.191	3.193,510	28.851,507	9,034	8,567
10	22	98.666	57.762,198	1.033.555,629	17,893	17,426	60	72	73.194	2.946,647	25.657,998	8,708	8,240
11	23	98.630	54.730,932	975.793,431	17,829	17,362	61	73	71.065	2.711,796	22.711,351	8,375	7,908
12	24	98.590	51.856,632	921.062,499	17,762	17,295	62	74	68.781	2.487,812	19.999,555	8,039	7,572
13	25	98.551	49.133,435	869.205,867	17,691	17,224	63	75	66.310	2.273,401	17.511,743	7,703	7,236
14	26	98.514	46.554,479	820.072,432	17,615	17,148	64	76	63.658	2.068,679	15.238,342	7,366	6,899
15	27	98.468	44.106,976	773.517,952	17,537	17,070	65	77	60.839	1.874,021	13.169,663	7,027	6,560
16	28	98.416	41.785,517	729.410,976	17,456	16,989	66	78	57.829	1.688,438	11.295,642	6,690	6,223
17	29	98.349	39.580,203	687.625,459	17,373	16,906	67	79	54.620	1.511,612	9.607,204	6,356	5,888
18	30	98.270	37.486,789	648.045,256	17,287	16,820	68	80	51.202	1.343,135	8.095,592	6,027	5,560
19	31	98.164	35.493,925	610.558,467	17,202	16,735	69	81	47.556	1.182,465	6.752,458	5,710	5,243
20	32	98.050	33.604,426	575.064,542	17,113	16,646	70	82	43.749	1.031,087	5.569,993	5,402	4,935
21	33	97.940	31.817,002	541.460,116	17,018	16,551	71	83	39.755	888,103	4.538,906	5,111	4,644
22	34	97.824	30.122,608	509.643,114	16,919	16,452	72	84	35.744	756,873	3.650,803	4,824	4,356
23	35	97.705	28.517,332	479.520,506	16,815	16,348	73	85	31.714	636,535	2.893,930	4,546	4,079
24	36	97.582	26.996,783	451.003,173	16,706	16,239	74	86	27.837	529,596	2.257,395	4,262	3,795
25	37	97.456	25.556,341	424.006,390	16,591	16,124	75	87	23.968	432,216	1.727,798	3,998	3,530
26	38	97.325	24.191,458	398.450,049	16,471	16,004	76	88	20.165	344,682	1.295,582	3,759	3,292
27	39	97.188	22.897,864	374.258,591	16,345	15,878	77	89	16.639	269,586	950,901	3,527	3,060
28	40	97.040	21.671,258	351.360,727	16,213	15,746	78	90	13.397	205,742	681,314	3,311	2,844
29	41	96.885	20.508,521	329.689,469	16,076	15,609	79	91	10.527	153,236	475,572	3,104	2,636
30	42	96.721	19.406,482	309.180,948	15,932	15,465	80	92	7.985	110,168	322,336	2,926	2,459
31	43	96.542	18.360,658	289.774,467	15,782	15,315	81	93	5.873	76,810	212,168	2,762	2,295
32	44	96.340	17.367,152	271.413,809	15,628	15,161	82	94	4.183	51,859	135,358	2,610	2,143
33	45	96.127	16.425,373	254.046,657	15,467	15,000	83	95	2.869	33,712	83,499	2,477	2,010
34	46	95.891	15.530,745	237.621,284	15,300	14,833	84	96	1.900	21,157	49,787	2,353	1,886
35	47	95.627	14.680,612	222.090,539	15,128	14,661	85	97	1.212	12,796	28,630	2,237	1,770
36	48	95.341	13.873,678	207.409,927	14,950	14,483	86	98	746	7,469	15,834	2,120	1,653
37	49	95.032	13.107,714	193.536,249	14,765	14,298	87	99	438	4,152	8,365	2,015	1,548
38	50	94.688	12.379,498	180.428,534	14,575	14,108	88	100	244	2,191	4,213	1,923	1,456
39	51	94.319	11.688,345	168.049,037	14,377	13,910	89	101	129	1,099	2,022	1,841	1,374
40	52	93.912	11.031,202	156.360,692	14,174	13,707	90	102	65	0,523	0,924	1,765	1,298
41	53	93.467	10.406,552	145.329,490	13,965	13,498	91	103	31	0,236	0,400	1,693	1,226
42	54	92.995	9.814,205	134.922,938	13,748	13,281	92	104	14	0,101	0,164	1,629	1,162
43	55	92.467	9.249,761	125.108,733	13,526	13,058	93	105	6	0,040	0,063	1,571	1,104
44	56	91.889	8.712,723	115.858,971	13,298	12,830	94	106					
45	57	91.274	8.203,282	107.146,248	13,061	12,594	95	107					
46	58	90.587	7.717,100	98.942,966	12,821	12,354	96	108					
47	59	89.845	7.254,853	91.225,866	12,574	12,107	97	109					
48	60	89.053	6.816,036	83.971,013	12,320	11,852	98	110					
49	61	88.202	6.398,906	77.154,977	12,058	11,590	99	111					
							100	112					

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -13 Jahre

Zinsfuß 5,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	13	99.462	99.462,020	1.817.689,125	18,275	17,808	50	63	86.762	5.966,329	69.144,506	11,589	11,122
1	14	98.999	93.837,584	1.718.227,106	18,311	17,843	51	64	85.745	5.588,988	63.178,177	11,304	10,837
2	15	98.947	88.899,284	1.624.389,522	18,272	17,805	52	65	84.677	5.231,634	57.589,189	11,008	10,541
3	16	98.910	84.232,706	1.535.490,238	18,229	17,762	53	66	83.493	4.889,548	52.357,555	10,708	10,241
4	17	98.871	79.809,957	1.451.257,532	18,184	17,717	54	67	82.217	4.563,800	47.468,008	10,401	9,934
5	18	98.836	75.622,462	1.371.447,575	18,135	17,668	55	68	80.828	4.252,830	42.904,207	10,088	9,621
6	19	98.794	71.649,631	1.295.825,113	18,086	17,618	56	69	79.306	3.955,183	38.651,377	9,772	9,305
7	20	98.755	67.887,603	1.224.175,482	18,032	17,565	57	70	77.681	3.672,174	34.696,194	9,448	8,981
8	21	98.711	64.320,171	1.156.287,879	17,977	17,510	58	71	75.914	3.401,570	31.024,020	9,121	8,653
9	22	98.675	60.944,822	1.091.967,709	17,917	17,450	59	72	73.972	3.141,735	27.622,451	8,792	8,325
10	23	98.639	57.746,559	1.031.022,887	17,854	17,387	60	73	71.874	2.893,521	24.480,715	8,461	7,993
11	24	98.604	54.716,652	973.276,327	17,788	17,320	61	74	69.617	2.656,550	21.587,194	8,126	7,659
12	25	98.563	51.842,544	918.559,675	17,718	17,251	62	75	67.216	2.431,186	18.930,644	7,787	7,319
13	26	98.526	49.121,345	866.717,131	17,644	17,177	63	76	64.591	2.214,457	16.499,458	7,451	6,984
14	27	98.486	46.541,446	817.595,786	17,567	17,100	64	77	61.815	2.008,794	14.285,001	7,111	6,644
15	28	98.439	44.094,122	771.054,340	17,487	17,019	65	78	58.860	1.813,054	12.276,207	6,771	6,304
16	29	98.387	41.773,114	726.960,218	17,403	16,935	66	79	55.686	1.625,861	10.463,153	6,435	5,968
17	30	98.320	39.568,618	685.187,104	17,316	16,849	67	80	52.323	1.448,024	8.837,292	6,103	5,636
18	31	98.238	37.474,515	645.618,486	17,228	16,761	68	81	48.708	1.277,705	7.389,268	5,783	5,316
19	32	98.129	35.481,246	608.143,971	17,140	16,673	69	82	44.905	1.116,550	6.111,563	5,474	5,006
20	33	98.015	33.592,477	572.662,725	17,047	16,580	70	83	40.922	964,453	4.995,013	5,179	4,712
21	34	97.901	31.804,289	539.070,248	16,950	16,482	71	84	36.906	824,464	4.030,560	4,889	4,422
22	35	97.778	30.108,486	507.265,959	16,848	16,381	72	85	32.871	696,049	3.206,096	4,606	4,139
23	36	97.655	28.502,733	477.157,473	16,741	16,274	73	86	28.961	581,268	2.510,047	4,318	3,851
24	37	97.527	26.981,517	448.654,740	16,628	16,161	74	87	25.031	476,206	1.928,778	4,050	3,583
25	38	97.397	25.540,670	421.673,223	16,510	16,043	75	88	21.143	381,267	1.452,573	3,810	3,343
26	39	97.257	24.174,535	396.132,553	16,386	15,919	76	89	17.513	299,347	1.071,305	3,579	3,112
27	40	97.110	22.879,540	371.958,018	16,257	15,790	77	90	14.173	229,627	771,959	3,362	2,895
28	41	96.956	21.652,405	349.078,478	16,122	15,655	78	91	11.207	172,111	542,332	3,151	2,684
29	42	96.789	20.488,248	327.426,073	15,981	15,514	79	92	8.554	124,519	370,220	2,973	2,506
30	43	96.612	19.384,656	306.937,825	15,834	15,367	80	93	6.345	87,541	245,701	2,807	2,340
31	44	96.416	18.336,825	287.553,169	15,682	15,215	81	94	4.558	59,605	158,161	2,653	2,186
32	45	96.206	17.342,977	269.216,344	15,523	15,056	82	95	3.166	39,250	98,555	2,511	2,044
33	46	95.975	16.399,322	251.873,367	15,359	14,892	83	96	2.115	24,853	59,305	2,386	1,919
34	47	95.718	15.502,852	235.474,045	15,189	14,722	84	97	1.362	15,173	34,452	2,271	1,803
35	48	95.441	14.652,064	219.971,193	15,013	14,546	85	98	845	8,916	19,279	2,162	1,695
36	49	95.139	13.844,267	205.319,129	14,831	14,363	86	99	505	5,049	10,363	2,052	1,585
37	50	94.803	13.076,168	191.474,863	14,643	14,176	87	100	287	2,720	5,314	1,954	1,487
38	51	94.449	12.348,219	178.398,695	14,447	13,980	88	101	154	1,389	2,594	1,868	1,401
39	52	94.057	11.655,883	166.050,476	14,246	13,779	89	102	79	0,673	1,205	1,791	1,323
40	53	93.628	10.997,853	154.394,592	14,039	13,571	90	103	38	0,309	0,532	1,720	1,252
41	54	93.172	10.373,693	143.396,740	13,823	13,356	91	104	18	0,135	0,223	1,652	1,185
42	55	92.671	9.780,069	133.023,047	13,601	13,134	92	105	8	0,055	0,088	1,592	1,125
43	56	92.117	9.214,734	123.242,978	13,375	12,907	93	106					
44	57	91.520	8.677,744	114.028,244	13,140	12,673	94	107					
45	58	90.867	8.166,670	105.350,500	12,900	12,433	95	108					
46	59	90.151	7.679,938	97.183,830	12,654	12,187	96	109					
47	60	89.388	7.217,971	89.503,892	12,400	11,933	97	110					
48	61	88.563	6.778,519	82.285,922	12,139	11,672	98	111					
49	62	87.705	6.362,897	75.507,403	11,867	11,400	99	112					
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -14 Jahre

Zinsfuß 5,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	14	99.452	99.452,383	1.814.822,638	18,248	17,781	50	64	86.172	5.925,747	67.442,011	11,381	10,914
1	15	98.987	93.826,649	1.715.370,255	18,282	17,815	51	65	85.118	5.548,117	61.516,265	11,088	10,621
2	16	98.929	88.883,400	1.621.543,606	18,243	17,776	52	66	83.985	5.188,905	55.968,148	10,786	10,319
3	17	98.889	84.214,868	1.532.660,206	18,199	17,732	53	67	82.737	4.845,265	50.779,243	10,480	10,013
4	18	98.849	79.792,398	1.448.445,338	18,153	17,685	54	68	81.381	4.517,409	45.933,978	10,168	9,701
5	19	98.807	75.600,713	1.368.652,940	18,104	17,637	55	69	79.904	4.204,188	41.416,568	9,851	9,384
6	20	98.766	71.629,769	1.293.052,227	18,052	17,585	56	70	78.294	3.904,722	37.212,380	9,530	9,063
7	21	98.723	67.866,160	1.221.422,458	17,998	17,530	57	71	76.577	3.619,979	33.307,658	9,201	8,734
8	22	98.687	64.304,433	1.153.556,298	17,939	17,472	58	72	74.683	3.346,422	29.687,679	8,871	8,404
9	23	98.649	60.928,322	1.089.251,865	17,878	17,410	59	73	72.638	3.085,093	26.341,256	8,538	8,071
10	24	98.614	57.731,493	1.028.323,543	17,812	17,345	60	74	70.410	2.834,573	23.256,164	8,204	7,737
11	25	98.578	54.701,787	970.592,050	17,743	17,276	61	75	68.033	2.596,083	20.421,590	7,866	7,399
12	26	98.539	51.829,787	915.890,263	17,671	17,204	62	76	65.473	2.368,151	17.825,507	7,527	7,060
13	27	98.499	49.107,593	864.060,476	17,595	17,128	63	77	62.721	2.150,352	15.457,357	7,188	6,721
14	28	98.457	46.527,882	814.952,883	17,515	17,048	64	78	59.804	1.943,443	13.307,004	6,847	6,380
15	29	98.410	44.081,034	768.425,000	17,432	16,965	65	79	56.679	1.745,858	11.363,561	6,509	6,042
16	30	98.358	41.760,887	724.343,966	17,345	16,878	66	80	53.343	1.557,467	9.617,703	6,175	5,708
17	31	98.288	39.555,663	682.583,079	17,256	16,789	67	81	49.774	1.377,485	8.060,236	5,851	5,384
18	32	98.203	37.461,129	643.027,417	17,165	16,698	68	82	45.993	1.206,481	6.682,751	5,539	5,072
19	33	98.094	35.468,630	605.566,288	17,073	16,606	69	83	42.003	1.044,393	5.476,270	5,243	4,776
20	34	97.976	33.579,054	570.097,658	16,978	16,511	70	84	37.989	895,343	4.431,877	4,950	4,483
21	35	97.855	31.789,379	536.518,604	16,877	16,410	71	85	33.940	758,209	3.536,534	4,664	4,197
22	36	97.728	30.093,072	504.729,226	16,772	16,305	72	86	30.017	635,615	2.778,326	4,371	3,904
23	37	97.599	28.486,616	474.636,154	16,662	16,195	73	87	26.041	522,668	2.142,711	4,100	3,632
24	38	97.467	26.964,972	446.149,538	16,546	16,078	74	88	22.080	420,072	1.620,042	3,857	3,389
25	39	97.328	25.522,804	419.184,566	16,424	15,957	75	89	18.362	331,120	1.199,971	3,624	3,157
26	40	97.179	24.155,189	393.661,763	16,297	15,830	76	90	14.917	254,976	868,850	3,408	2,940
27	41	97.025	22.859,635	369.506,573	16,164	15,697	77	91	11.856	192,092	613,874	3,196	2,729
28	42	96.860	21.631,002	346.646,938	16,025	15,558	78	92	9.107	139,858	421,783	3,016	2,549
29	43	96.680	20.465,206	325.015,937	15,881	15,414	79	93	6.797	98,944	281,925	2,849	2,382
30	44	96.487	19.359,494	304.550,731	15,731	15,264	80	94	4.923	67,932	182,981	2,694	2,226
31	45	96.282	18.311,300	285.191,237	15,575	15,107	81	95	3.449	45,113	115,048	2,550	2,083
32	46	96.053	17.315,470	266.879,937	15,413	14,946	82	96	2.334	28,936	69,936	2,417	1,950
33	47	95.802	16.369,869	249.564,466	15,245	14,778	83	97	1.517	17,824	41,000	2,300	1,833
34	48	95.532	15.472,705	233.194,597	15,071	14,604	84	98	949	10,572	23,176	2,192	1,725
35	49	95.239	14.621,002	217.721,892	14,891	14,424	85	99	571	6,027	12,604	2,091	1,624
36	50	94.910	13.810,947	203.100,890	14,706	14,239	86	100	331	3,308	6,577	1,988	1,521
37	51	94.563	13.043,129	189.289,943	14,513	14,045	87	101	182	1,724	3,269	1,896	1,429
38	52	94.187	12.313,925	176.246,814	14,313	13,846	88	102	95	0,851	1,545	1,815	1,348
39	53	93.773	11.620,645	163.932,888	14,107	13,640	89	103	47	0,398	0,694	1,743	1,276
40	54	93.332	10.963,127	152.312,243	13,893	13,426	90	104	22	0,176	0,296	1,676	1,209
41	55	92.848	10.337,611	141.349,116	13,673	13,206	91	105	10	0,074	0,119	1,613	1,145
42	56	92.320	9.743,033	131.011,506	13,447	12,980	92	106					
43	57	91.747	9.177,739	121.268,473	13,213	12,746	93	107					
44	58	91.111	8.639,014	112.090,733	12,975	12,508	94	108					
45	59	90.429	8.127,343	103.451,719	12,729	12,262	95	109					
46	60	89.693	7.640,895	95.324,377	12,476	12,008	96	110					
47	61	88.896	7.178,241	87.683,482	12,215	11,748	97	111					
48	62	88.065	6.740,374	80.505,241	11,944	11,477	98	112					
49	63	87.153	6.322,856	73.764,867	11,666		99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -15 Jahre

Zinsfuß 5,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	15	99.441	99.440,794	1.811.764,909	18,220	17,752	50	65	85.542	5.882,413	65.646,798	11,160	10,693
1	16	98.969	93.809,885	1.712.324,115	18,253	17,786	51	66	84.423	5.502,803	59.764,386	10,861	10,394
2	17	98.908	88.864,577	1.618.514,230	18,213	17,746	52	67	83.225	5.141,911	54.261,582	10,553	10,086
3	18	98.867	84.196,339	1.529.649,653	18,168	17,700	53	68	81.896	4.796,013	49.119,671	10,242	9,775
4	19	98.820	79.769,450	1.445.453,314	18,120	17,653	54	69	80.450	4.465,741	44.323,658	9,925	9,458
5	20	98.780	75.579,756	1.365.683,864	18,069	17,602	55	70	78.884	4.150,551	39.857,917	9,603	9,136
6	21	98.735	71.607,145	1.290.104,107	18,016	17,549	56	71	77.181	3.849,222	35.707,367	9,277	8,809
7	22	98.699	67.849,555	1.218.496,963	17,959	17,492	57	72	75.335	3.561,291	31.858,144	8,946	8,478
8	23	98.660	64.287,023	1.150.647,408	17,899	17,431	58	73	73.337	3.286,089	28.296,853	8,611	8,144
9	24	98.623	60.912,425	1.086.360,384	17,835	17,368	59	74	71.158	3.022,242	25.010,764	8,276	7,808
10	25	98.587	57.715,808	1.025.447,959	17,767	17,300	60	75	68.807	2.770,054	21.988,522	7,938	7,471
11	26	98.553	54.688,327	967.732,151	17,695	17,228	61	76	66.269	2.528,773	19.218,468	7,600	7,133
12	27	98.512	51.815,277	913.043,824	17,621	17,154	62	77	63.578	2.299,597	16.689,695	7,258	6,790
13	28	98.470	49.093,281	861.228,547	17,543	17,076	63	78	60.681	2.080,396	14.390,098	6,917	6,450
14	29	98.428	46.514,072	812.135,265	17,460	16,993	64	79	57.587	1.871,415	12.309,702	6,578	6,111
15	30	98.381	44.068,131	765.621,193	17,374	16,906	65	80	54.294	1.672,417	10.438,288	6,241	5,774
16	31	98.326	41.747,214	721.553,063	17,284	16,817	66	81	50.745	1.481,596	8.765,871	5,917	5,449
17	32	98.253	39.541,533	679.805,849	17,192	16,725	67	82	46.999	1.300,698	7.284,275	5,600	5,133
18	33	98.168	37.447,809	640.264,316	17,098	16,630	68	83	43.020	1.128,513	5.983,576	5,302	4,835
19	34	98.055	35.454,457	602.816,507	17,003	16,535	69	84	38.993	969,554	4.855,063	5,008	4,540
20	35	97.930	33.563,311	567.362,050	16,904	16,437	70	85	34.936	823,392	3.885,509	4,719	4,252
21	36	97.805	31.773,104	533.798,739	16,800	16,333	71	86	30.993	692,377	3.062,117	4,423	3,955
22	37	97.673	30.076,056	502.025,635	16,692	16,225	72	87	26.991	571,536	2.369,740	4,146	3,679
23	38	97.540	28.469,147	471.949,579	16,578	16,110	73	88	22.971	461,057	1.798,204	3,900	3,433
24	39	97.399	26.946,110	443.480,432	16,458	15,991	74	89	19.176	364,821	1.337,147	3,665	3,198
25	40	97.251	25.502,379	416.534,323	16,333	15,866	75	90	15.640	282,040	972,326	3,447	2,980
26	41	97.095	24.134,175	391.031,944	16,202	15,735	76	91	12.479	213,297	690,286	3,236	2,769
27	42	96.930	22.837,038	366.897,769	16,066	15,599	77	92	9.634	156,094	476,989	3,056	2,589
28	43	96.751	21.606,674	344.060,730	15,924	15,457	78	93	7.237	111,132	320,895	2,888	2,420
29	44	96.555	20.438,642	322.454,057	15,777	15,310	79	94	5.275	76,782	209,763	2,732	2,265
30	45	96.352	19.332,545	302.015,415	15,622	15,155	80	95	3.726	51,415	132,981	2,586	2,119
31	46	96.129	18.282,258	282.682,870	15,462	14,995	81	96	2.543	33,258	81,566	2,452	1,985
32	47	95.881	17.284,372	264.400,611	15,297	14,830	82	97	1.674	20,752	48,308	2,328	1,861
33	48	95.616	16.338,035	247.116,239	15,125	14,658	83	98	1.057	12,419	27,556	2,219	1,752
34	49	95.330	15.439,904	230.778,204	14,947	14,480	84	99	642	7,147	15,137	2,118	1,651
35	50	95.009	14.585,813	215.338,300	14,764	14,296	85	100	374	3,948	7,990	2,024	1,556
36	51	94.670	13.776,052	200.752,487	14,573	14,105	86	101	210	2,097	4,042	1,928	1,460
37	52	94.301	13.006,905	186.976,434	14,375	13,908	87	102	111	1,056	1,945	1,841	1,374
38	53	93.902	12.276,698	173.969,529	14,171	13,704	88	103	56	0,503	0,889	1,766	1,298
39	54	93.477	11.583,953	161.692,831	13,958	13,491	89	104	27	0,227	0,385	1,698	1,230
40	55	93.008	10.924,994	150.108,879	13,740	13,273	90	105	12	0,097	0,158	1,635	1,168
41	56	92.496	10.298,464	139.183,885	13,515	13,048	91	106					
42	57	91.950	9.703,917	128.885,421	13,282	12,815	92	107					
43	58	91.337	9.136,778	119.181,504	13,044	12,577	93	108					
44	59	90.673	8.597,412	110.044,725	12,800	12,333	94	109					
45	60	89.970	8.086,025	101.447,313	12,546	12,079	95	110					
46	61	89.199	7.598,837	93.361,288	12,286	11,819	96	111					
47	62	88.396	7.137,847	85.762,451	12,015	11,548	97	112					
48	63	87.511	6.697,957	78.624,604	11,739	11,271	98						
49	64	86.560	6.279,849	71.926,647	11,454	10,986	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -16 Jahre

Zinsfuß 5,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	16	99.423	99.423,027	1.808.507,694	18,190	17,723	50	66	84.843	5.834,369	63.757,056	10,928	10,461
1	17	98.948	93.790,019	1.709.084,667	18,222	17,755	51	67	83.658	5.452,967	57.922,688	10,622	10,155
2	18	98.887	88.845,025	1.615.294,649	18,181	17,714	52	68	82.379	5.089,644	52.469,721	10,309	9,842
3	19	98.838	84.172,125	1.526.449,624	18,135	17,668	53	69	80.959	4.741,158	47.380,077	9,993	9,526
4	20	98.793	79.747,337	1.442.277,499	18,086	17,618	54	70	79.424	4.408,767	42.638,919	9,671	9,204
5	21	98.749	75.555,884	1.362.530,162	18,033	17,566	55	71	77.763	4.091,557	38.230,152	9,344	8,876
6	22	98.711	71.589,624	1.286.974,278	17,977	17,510	56	72	75.930	3.786,818	34.138,596	9,015	8,548
7	23	98.673	67.831,185	1.215.384,653	17,918	17,451	57	73	73.977	3.497,084	30.351,778	8,679	8,212
8	24	98.635	64.270,251	1.147.553,468	17,855	17,388	58	74	71.843	3.219,144	26.854,694	8,342	7,875
9	25	98.596	60.895,877	1.083.283,217	17,789	17,322	59	75	69.538	2.953,451	23.635,550	8,003	7,536
10	26	98.563	57.701,607	1.022.387,341	17,719	17,251	60	76	67.023	2.698,233	20.682,099	7,665	7,198
11	27	98.526	54.673,016	964.685,734	17,645	17,177	61	77	64.351	2.455,569	17.983,866	7,324	6,857
12	28	98.483	51.800,177	910.012,718	17,568	17,101	62	78	61.509	2.224,785	15.528,297	6,980	6,512
13	29	98.441	49.078,710	858.212,541	17,486	17,019	63	79	58.432	2.003,292	13.303,512	6,641	6,174
14	30	98.399	46.500,457	809.133,832	17,401	16,933	64	80	55.165	1.792,692	11.300,220	6,303	5,836
15	31	98.349	44.053,702	762.633,375	17,311	16,844	65	81	51.649	1.590,946	9.507,528	5,976	5,509
16	32	98.291	41.732,301	718.579,673	17,219	16,752	66	82	47.916	1.399,006	7.916,582	5,659	5,192
17	33	98.218	39.527,473	676.847,371	17,123	16,656	67	83	43.962	1.216,642	6.517,576	5,357	4,890
18	34	98.129	37.432,845	637.319,899	17,026	16,559	68	84	39.938	1.047,646	5.300,934	5,060	4,593
19	35	98.009	35.437,835	599.887,053	16,928	16,461	69	85	35.860	891,640	4.253,288	4,770	4,303
20	36	97.879	33.546,129	564.449,218	16,826	16,359	70	86	31.903	751,901	3.361,649	4,471	4,004
21	37	97.750	31.755,137	530.903,089	16,719	16,251	71	87	27.869	622,576	2.609,748	4,192	3,725
22	38	97.613	30.057,612	499.147,952	16,606	16,139	72	88	23.809	504,165	1.987,172	3,942	3,474
23	39	97.471	28.449,232	469.090,339	16,489	16,021	73	89	19.950	400,416	1.483,007	3,704	3,236
24	40	97.321	26.924,546	440.641,107	16,366	15,899	74	90	16.334	310,745	1.082,592	3,484	3,017
25	41	97.166	25.480,192	413.716,561	16,237	15,770	75	91	13.084	235,937	771,846	3,271	2,804
26	42	96.999	24.110,319	388.236,369	16,102	15,635	76	92	10.140	173,325	535,909	3,092	2,625
27	43	96.821	22.811,354	364.126,050	15,962	15,495	77	93	7.656	124,034	362,584	2,923	2,456
28	44	96.626	21.578,628	341.314,696	15,817	15,350	78	94	5.616	86,240	238,550	2,766	2,299
29	45	96.420	20.410,191	319.736,068	15,666	15,198	79	95	3.992	58,113	152,310	2,621	2,154
30	46	96.200	19.301,884	299.325,877	15,508	15,040	80	96	2.747	37,904	94,197	2,485	2,018
31	47	95.957	18.249,424	280.023,994	15,344	14,877	81	97	1.824	23,852	56,293	2,360	1,893
32	48	95.694	17.250,760	261.774,570	15,175	14,707	82	98	1.166	14,459	32,441	2,244	1,777
33	49	95.413	16.303,400	244.523,810	14,998	14,531	83	99	714	8,395	17,983	2,142	1,675
34	50	95.100	15.402,744	228.220,410	14,817	14,350	84	100	420	4,682	9,587	2,048	1,581
35	51	94.769	14.548,961	212.817,666	14,628	14,161	85	101	237	2,503	4,906	1,960	1,493
36	52	94.407	13.737,793	198.268,705	14,432	13,965	86	102	128	1,285	2,403	1,870	1,403
37	53	94.016	12.967,583	184.530,912	14,230	13,763	87	103	66	0,625	1,118	1,789	1,322
38	54	93.606	12.237,933	171.563,330	14,019	13,552	88	104	32	0,287	0,493	1,718	1,251
39	55	93.151	11.543,661	159.325,396	13,802	13,335	89	105	15	0,125	0,206	1,654	1,187
40	56	92.656	10.883,623	147.781,735	13,578	13,111	90	106					
41	57	92.125	10.257,118	136.898,113	13,347	12,879	91	107					
42	58	91.539	9.660,608	126.640,994	13,109	12,642	92	108					
43	59	90.898	9.092,779	116.980,386	12,865	12,398	93	109					
44	60	90.212	8.553,705	107.887,607	12,613	12,146	94	110					
45	61	89.474	8.041,517	99.333,903	12,353	11,885	95	111					
46	62	88.697	7.556,076	91.292,385	12,082	11,615	96	112					
47	63	87.840	7.092,929	83.736,310	11,806	11,338	97						
48	64	86.915	6.652,399	76.643,381	11,521	11,054	98						
49	65	85.927	6.233,925	69.990,982	11,227	10,760	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -17 Jahre

Zinsfuß 5,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	17	99.402	99.401,972	1.805.046,876	18,159	17,692	50	67	84.075	5.781,529	61.773,064	10,685	10,217
1	18	98.927	93.769,383	1.705.644,905	18,190	17,723	51	68	82.808	5.397,538	55.991,535	10,374	9,906
2	19	98.858	88.819,474	1.611.875,521	18,148	17,681	52	69	81.437	5.031,430	50.593,997	10,056	9,588
3	20	98.811	84.148,792	1.523.056,048	18,100	17,632	53	70	79.926	4.680,670	45.562,567	9,734	9,267
4	21	98.762	79.722,149	1.438.907,256	18,049	17,582	54	71	78.295	4.346,102	40.881,897	9,407	8,939
5	22	98.724	75.537,398	1.359.185,107	17,994	17,526	55	72	76.502	4.025,223	36.535,795	9,077	8,610
6	23	98.684	71.570,242	1.283.647,709	17,935	17,468	56	73	74.561	3.718,545	32.510,572	8,743	8,276
7	24	98.647	67.813,488	1.212.077,467	17,874	17,407	57	74	72.470	3.425,840	28.792,027	8,404	7,937
8	25	98.608	64.252,790	1.144.263,980	17,809	17,342	58	75	70.208	3.145,871	25.366,187	8,063	7,596
9	26	98.572	60.880,892	1.080.011,190	17,740	17,273	59	76	67.735	2.876,875	22.220,316	7,724	7,257
10	27	98.535	57.685,452	1.019.130,298	17,667	17,200	60	77	65.083	2.620,124	19.343,441	7,383	6,915
11	28	98.497	54.657,083	961.444,845	17,590	17,123	61	78	62.257	2.375,683	16.723,317	7,039	6,572
12	29	98.454	51.784,801	906.787,762	17,511	17,044	62	79	59.230	2.142,330	14.347,634	6,697	6,230
13	30	98.412	49.064,344	855.002,961	17,426	16,959	63	80	55.974	1.919,021	12.205,304	6,360	5,893
14	31	98.367	46.485,232	805.938,617	17,338	16,870	64	81	52.478	1.705,362	10.286,283	6,032	5,565
15	32	98.314	44.037,966	759.453,386	17,245	16,778	65	82	48.770	1.502,261	8.580,921	5,712	5,245
16	33	98.256	41.717,462	715.415,420	17,149	16,682	66	83	44.820	1.308,597	7.078,660	5,409	4,942
17	34	98.179	39.511,679	673.697,957	17,051	16,583	67	84	40.812	1.129,460	5.770,064	5,109	4,642
18	35	98.083	37.415,296	634.186,279	16,950	16,483	68	85	36.728	963,456	4.640,604	4,817	4,349
19	36	97.958	35.419,693	596.770,983	16,849	16,381	69	86	32.746	814,223	3.677,148	4,516	4,049
20	37	97.824	33.527,160	561.351,290	16,743	16,276	70	87	28.687	676,098	2.862,925	4,234	3,767
21	38	97.690	31.735,665	527.824,131	16,632	16,165	71	88	24.584	549,188	2.186,827	3,982	3,515
22	39	97.545	30.036,587	496.088,466	16,516	16,049	72	89	20.678	437,853	1.637,639	3,740	3,273
23	40	97.393	28.426,466	466.051,879	16,395	15,928	73	90	16.993	341,064	1.199,785	3,518	3,051
24	41	97.237	26.901,122	437.625,413	16,268	15,801	74	91	13.664	259,950	858,721	3,303	2,836
25	42	97.070	25.455,005	410.724,292	16,135	15,668	75	92	10.632	191,723	598,771	3,123	2,656
26	43	96.890	24.083,202	385.269,286	15,997	15,530	76	93	8.058	137,726	407,048	2,955	2,488
27	44	96.695	22.781,745	361.186,084	15,854	15,387	77	94	5.941	96,251	269,322	2,798	2,331
28	45	96.491	21.548,590	338.404,339	15,704	15,237	78	95	4.250	65,271	173,071	2,652	2,184
29	46	96.267	20.377,820	316.855,749	15,549	15,082	79	96	2.943	42,842	107,800	2,516	2,049
30	47	96.027	19.267,218	296.477,929	15,388	14,921	80	97	1.970	27,184	64,957	2,390	1,922
31	48	95.770	18.213,935	277.210,711	15,220	14,753	81	98	1.271	16,619	37,774	2,273	1,806
32	49	95.492	17.214,190	258.996,776	15,046	14,578	82	99	788	9,775	21,155	2,164	1,697
33	50	95.184	16.264,162	241.782,586	14,866	14,399	83	100	468	5,500	11,381	2,069	1,602
34	51	94.860	15.363,827	225.518,424	14,679	14,211	84	101	266	2,968	5,881	1,982	1,514
35	52	94.506	14.508,555	210.154,597	14,485	14,018	85	102	145	1,534	2,913	1,899	1,432
36	53	94.122	13.696,261	195.646,042	14,285	13,817	86	103	76	0,760	1,379	1,816	1,348
37	54	93.719	12.926,637	181.949,782	14,076	13,608	87	104	38	0,356	0,620	1,740	1,273
38	55	93.280	12.195,367	169.023,145	13,860	13,392	88	105	18	0,157	0,263	1,673	1,206
39	56	92.799	11.499,947	156.827,778	13,637	13,170	89						
40	57	92.284	10.839,928	145.327,831	13,407	12,940	90						
41	58	91.714	10.211,340	134.487,903	13,170	12,703	91						
42	59	91.099	9.614,086	124.276,563	12,927	12,459	92						
43	60	90.435	9.046,553	114.662,477	12,675	12,208	93						
44	61	89.715	8.506,623	105.615,924	12,416	11,949	94						
45	62	88.971	7.996,265	97.109,301	12,144	11,677	95						
46	63	88.139	7.508,526	89.113,036	11,868	11,401	96						
47	64	87.242	7.044,684	81.604,510	11,584	11,117	97						
48	65	86.280	6.603,751	74.559,826	11,291	10,823	98						
49	66	85.226	6.183,011	67.956,075	10,991	10,524	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -18 Jahre

Zinsfuß 5,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	18	99.380	99.380,101	1.801.375,167	18,126	17,659	50	68	83.220	5.722,760	59.695,320	10,431	9,964
1	19	98.898	93.742,416	1.701.995,065	18,156	17,689	51	69	81.861	5.335,803	53.972,560	10,115	9,648
2	20	98.831	88.794,852	1.608.252,650	18,112	17,645	52	70	80.398	4.967,239	48.636,757	9,792	9,324
3	21	98.780	84.122,213	1.519.457,797	18,063	17,595	53	71	78.790	4.614,141	43.669,519	9,464	8,997
4	22	98.738	79.702,643	1.435.335,584	18,009	17,541	54	72	77.025	4.275,642	39.055,378	9,134	8,667
5	23	98.698	75.516,947	1.355.632,941	17,951	17,484	55	73	75.123	3.952,652	34.779,736	8,799	8,332
6	24	98.658	71.551,569	1.280.115,995	17,891	17,424	56	74	73.042	3.642,789	30.827,084	8,462	7,995
7	25	98.620	67.795,064	1.208.564,426	17,827	17,360	57	75	70.820	3.347,862	27.184,295	8,120	7,653
8	26	98.584	64.236,979	1.140.769,361	17,759	17,292	58	76	68.387	3.064,306	23.836,433	7,779	7,312
9	27	98.544	60.863,848	1.076.532,382	17,688	17,220	59	77	65.775	2.793,594	20.772,126	7,436	6,968
10	28	98.506	57.668,641	1.015.668,534	17,612	17,145	60	78	62.966	2.534,884	17.978,532	7,092	6,625
11	29	98.468	54.640,859	957.999,893	17,533	17,065	61	79	59.950	2.287,635	15.443,648	6,751	6,284
12	30	98.425	51.769,643	903.359,033	17,450	16,982	62	80	56.738	2.052,210	13.156,012	6,411	5,943
13	31	98.380	49.048,279	851.589,390	17,362	16,895	63	81	53.247	1.825,537	11.103,802	6,082	5,615
14	32	98.332	46.468,627	802.541,111	17,271	16,803	64	82	49.552	1.610,298	9.278,265	5,762	5,295
15	33	98.279	44.022,307	756.072,484	17,175	16,708	65	83	45.619	1.405,178	7.667,966	5,457	4,990
16	34	98.216	41.700,793	712.050,177	17,075	16,608	66	84	41.608	1.214,825	6.262,788	5,155	4,688
17	35	98.133	39.493,155	670.349,384	16,974	16,507	67	85	37.532	1.038,695	5.047,963	4,860	4,393
18	36	98.033	37.396,141	630.856,229	16,870	16,402	68	86	33.539	879,804	4.009,268	4,557	4,090
19	37	97.903	35.399,664	593.460,088	16,765	16,297	69	87	29.445	732,138	3.129,464	4,274	3,807
20	38	97.764	33.506,600	558.060,424	16,655	16,188	70	88	25.305	596,402	2.397,326	4,020	3,552
21	39	97.621	31.713,465	524.553,824	16,540	16,073	71	89	21.350	476,955	1.800,925	3,776	3,309
22	40	97.467	30.012,550	492.840,359	16,421	15,954	72	90	17.613	372,953	1.323,970	3,550	3,083
23	41	97.309	28.401,735	462.827,809	16,296	15,829	73	91	14.215	285,313	951,017	3,333	2,866
24	42	97.140	26.874,530	434.426,074	16,165	15,698	74	92	11.103	211,236	665,704	3,151	2,684
25	43	96.961	25.426,377	407.551,543	16,029	15,562	75	93	8.448	152,345	454,468	2,983	2,516
26	44	96.764	24.051,942	382.125,167	15,887	15,420	76	94	6.253	106,877	302,124	2,827	2,360
27	45	96.560	22.750,032	358.073,225	15,739	15,272	77	95	4.496	72,849	195,247	2,680	2,213
28	46	96.338	21.514,414	335.323,192	15,586	15,119	78	96	3.133	48,120	122,398	2,544	2,076
29	47	96.094	20.341,222	313.808,778	15,427	14,960	79	97	2.111	30,725	74,279	2,418	1,950
30	48	95.840	19.229,750	293.467,556	15,261	14,794	80	98	1.373	18,940	43,554	2,300	1,832
31	49	95.567	18.175,323	274.237,806	15,088	14,621	81	99	859	11,235	24,614	2,191	1,724
32	50	95.262	17.172,760	256.062,484	14,911	14,444	82	100	517	6,403	13,379	2,089	1,622
33	51	94.943	16.223,069	238.889,724	14,725	14,258	83	101	297	3,486	6,976	2,001	1,534
34	52	94.597	15.321,158	222.666,655	14,533	14,066	84	102	163	1,818	3,490	1,919	1,452
35	53	94.220	14.464,692	207.345,497	14,335	13,867	85	103	86	0,907	1,671	1,842	1,375
36	54	93.825	13.653,014	192.880,805	14,127	13,660	86	104	43	0,433	0,764	1,764	1,297
37	55	93.393	12.881,675	179.227,791	13,913	13,446	87	105	21	0,195	0,331	1,693	1,225
38	56	92.927	12.149,185	166.346,116	13,692	13,225	88	106					
39	57	92.426	11.453,778	154.196,931	13,463	12,995	89	107					
40	58	91.872	10.791,549	142.743,153	13,227	12,760	90	108					
41	59	91.272	10.162,166	131.951,605	12,985	12,517	91	109					
42	60	90.635	9.565,210	121.789,439	12,733	12,265	92	110					
43	61	89.938	8.996,759	112.224,229	12,474	12,007	93	111					
44	62	89.210	8.458,753	103.227,470	12,204	11,736	94	112					
45	63	88.411	7.945,945	94.768,717	11,927	11,459	95						
46	64	87.539	7.457,454	86.822,772	11,642	11,175	96						
47	65	86.604	6.993,168	79.365,317	11,349	10,882	97						
48	66	85.575	6.549,816	72.372,150	11,049	10,582	98						
49	67	84.454	6.127,014	65.822,334	10,743	10,276	99						
							100						

Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente nach der Sterbetafel 2002/2004

Altersdifferenz zwischen Mann und Frau (x - y) = -19 Jahre

Zinsfuß 5,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	19	99.352	99.351,520	1.797.482,328	18,092	17,625	50	69	82.268	5.657,306	57.525,653	10,168	9,701
1	20	98.871	93.716,430	1.698.130,807	18,120	17,653	51	70	80.816	5.267,728	51.868,348	9,846	9,379
2	21	98.800	88.766,806	1.604.414,377	18,074	17,607	52	71	79.255	4.896,637	46.600,620	9,517	9,050
3	22	98.756	84.101,631	1.515.647,571	18,022	17,554	53	72	77.513	4.539,335	41.703,984	9,187	8,720
4	23	98.711	79.681,064	1.431.545,941	17,966	17,499	54	73	75.637	4.198,556	37.164,649	8,852	8,385
5	24	98.672	75.497,244	1.351.864,876	17,906	17,439	55	74	73.593	3.872,127	32.966,092	8,514	8,047
6	25	98.632	71.532,130	1.276.367,633	17,843	17,376	56	75	71.379	3.559,873	29.093,965	8,173	7,706
7	26	98.596	67.778,382	1.204.835,503	17,776	17,309	57	76	68.984	3.261,060	25.534,092	7,830	7,363
8	27	98.556	64.218,996	1.137.057,120	17,706	17,239	58	77	66.408	2.975,600	22.273,032	7,485	7,018
9	28	98.516	60.846,110	1.072.838,125	17,632	17,165	59	78	63.635	2.702,712	19.297,432	7,140	6,673
10	29	98.477	57.651,524	1.011.992,014	17,554	17,086	60	79	60.632	2.440,936	16.594,721	6,799	6,331
11	30	98.439	54.624,865	954.340,490	17,471	17,004	61	80	57.428	2.191,403	14.153,784	6,459	5,992
12	31	98.393	51.752,693	899.715,625	17,385	16,918	62	81	53.974	1.952,238	11.962,381	6,128	5,660
13	32	98.345	49.030,759	847.962,932	17,295	16,827	63	82	50.279	1.723,775	10.010,143	5,807	5,340
14	33	98.297	46.452,104	798.932,173	17,199	16,732	64	83	46.350	1.506,234	8.286,368	5,501	5,034
15	34	98.239	44.004,717	752.480,069	17,100	16,633	65	84	42.350	1.304,486	6.780,134	5,198	4,730
16	35	98.170	41.681,243	708.475,353	16,997	16,530	66	85	38.264	1.117,200	5.475,647	4,901	4,434
17	36	98.082	39.472,936	666.794,110	16,892	16,425	67	86	34.273	948,510	4.358,447	4,595	4,128
18	37	97.977	37.374,995	627.321,174	16,785	16,317	68	87	30.158	791,107	3.409,937	4,310	3,843
19	38	97.843	35.377,957	589.946,179	16,676	16,208	69	88	25.974	645,835	2.618,830	4,055	3,588
20	39	97.696	33.483,162	554.568,222	16,563	16,095	70	89	21.977	517,959	1.972,995	3,809	3,342
21	40	97.543	31.688,086	521.085,060	16,444	15,977	71	90	18.186	406,258	1.455,036	3,582	3,114
22	41	97.382	29.986,439	489.396,974	16,321	15,853	72	91	14.734	311,989	1.048,778	3,362	2,894
23	42	97.212	28.373,660	459.410,535	16,191	15,724	73	92	11.551	231,846	736,789	3,178	2,711
24	43	97.031	26.844,305	431.036,875	16,057	15,590	74	93	8.823	167,850	504,943	3,008	2,541
25	44	96.835	25.393,373	404.192,569	15,917	15,450	75	94	6.556	118,221	337,093	2,851	2,384
26	45	96.629	24.018,461	378.799,196	15,771	15,304	76	95	4.732	80,891	218,873	2,706	2,239
27	46	96.407	22.713,951	354.780,735	15,620	15,152	77	96	3.315	53,706	137,982	2,569	2,102
28	47	96.165	21.475,775	332.066,784	15,462	14,995	78	97	2.247	34,510	84,276	2,442	1,975
29	48	95.908	20.301,665	310.591,010	15,299	14,832	79	98	1.471	21,407	49,767	2,325	1,858
30	49	95.637	19.188,984	290.289,345	15,128	14,661	80	99	928	12,804	28,359	2,215	1,748
31	50	95.337	18.131,580	271.100,360	14,952	14,485	81	100	563	7,359	15,555	2,114	1,646
32	51	95.021	17.129,371	252.968,780	14,768	14,301	82	101	327	4,059	8,196	2,019	1,552
33	52	94.680	16.178,013	235.839,410	14,578	14,111	83	102	182	2,136	4,136	1,936	1,469
34	53	94.311	15.274,839	219.661,397	14,381	13,913	84	103	97	1,075	2,000	1,860	1,393
35	54	93.923	14.419,019	204.386,557	14,175	13,708	85	104	49	0,517	0,925	1,788	1,321
36	55	93.498	13.605,526	189.967,538	13,963	13,495	86	105	24	0,238	0,408	1,715	1,248
37	56	93.039	12.832,894	176.362,012	13,743	13,276	87	106					
38	57	92.554	12.100,409	163.529,119	13,514	13,047	88	107					
39	58	92.014	11.402,658	151.428,709	13,280	12,813	89	108					
40	59	91.429	10.739,580	140.026,051	13,038	12,571	90	109					
41	60	90.808	10.110,504	129.286,470	12,787	12,320	91	110					
42	61	90.137	9.512,561	119.175,967	12,528	12,061	92	111					
43	62	89.432	8.946,131	109.663,406	12,258	11,791	93	112					
44	63	88.649	8.405,523	100.717,275	11,982	11,515	94						
45	64	87.810	7.891,898	92.311,752	11,697	11,230	95						
46	65	86.899	7.402,919	84.419,854	11,404	10,936	96						
47	66	85.897	6.936,052	77.016,935	11,104	10,637	97						
48	67	84.800	6.490,497	70.080,883	10,797	10,330	98						
49	68	83.595	6.064,733	63.590,386	10,485	10,018	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -20 Jahre

Zinsfuß 5,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	20	99.324	99.323,980	1.793.363,882	18,056	17,589	50	70	81.219	5.585,129	55.266,886	9,895	9,428
1	21	98.840	93.686,829	1.694.039,902	18,082	17,615	51	71	79.668	5.192,855	49.681,757	9,567	9,100
2	22	98.776	88.745,087	1.600.353,073	18,033	17,566	52	72	77.970	4.817,251	44.488,903	9,235	8,768
3	23	98.729	84.078,861	1.511.607,986	17,978	17,511	53	73	76.115	4.457,495	39.671,652	8,900	8,433
4	24	98.685	79.660,275	1.427.529,125	17,920	17,453	54	74	74.096	4.113,022	35.214,157	8,562	8,094
5	25	98.645	75.476,733	1.347.868,850	17,858	17,391	55	75	71.918	3.783,991	31.101,135	8,219	7,752
6	26	98.607	71.514,528	1.272.392,117	17,792	17,325	56	76	69.529	3.467,574	27.317,144	7,878	7,411
7	27	98.568	67.759,407	1.200.877,589	17,723	17,255	57	77	66.987	3.166,658	23.849,570	7,531	7,064
8	28	98.527	64.200,280	1.133.118,182	17,650	17,183	58	78	64.247	2.878,796	20.682,912	7,185	6,717
9	29	98.486	60.828,050	1.068.917,902	17,573	17,106	59	79	61.276	2.602,543	17.804,116	6,841	6,374
10	30	98.448	57.634,649	1.008.089,852	17,491	17,024	60	80	58.082	2.338,255	15.201,573	6,501	6,034
11	31	98.407	54.606,980	950.455,203	17,405	16,938	61	81	54.630	2.084,651	12.863,317	6,170	5,703
12	32	98.357	51.734,207	895.848,223	17,316	16,849	62	82	50.965	1.843,413	10.778,667	5,847	5,380
13	33	98.310	49.013,325	844.114,016	17,222	16,755	63	83	47.030	1.612,377	8.935,254	5,542	5,074
14	34	98.258	46.433,543	795.100,692	17,123	16,656	64	84	43.029	1.398,301	7.322,876	5,237	4,770
15	35	98.193	43.984,086	748.667,149	17,021	16,554	65	85	38.946	1.199,656	5.924,576	4,939	4,471
16	36	98.120	41.659,904	704.683,063	16,915	16,448	66	86	34.942	1.020,200	4.724,920	4,631	4,164
17	37	98.027	39.450,616	663.023,159	16,806	16,339	67	87	30.818	852,887	3.704,720	4,344	3,877
18	38	97.917	37.352,076	623.572,543	16,694	16,227	68	88	26.603	697,853	2.851,834	4,087	3,619
19	39	97.774	35.353,209	586.220,467	16,582	16,115	69	89	22.558	560,890	2.153,980	3,840	3,373
20	40	97.618	33.456,366	550.867,258	16,465	15,998	70	90	18.719	441,184	1.593,090	3,611	3,144
21	41	97.458	31.660,518	517.410,891	16,342	15,875	71	91	15.213	339,851	1.151,906	3,389	2,922
22	42	97.286	29.956,798	485.750,373	16,215	15,748	72	92	11.973	253,522	812,055	3,203	2,736
23	43	97.103	28.341,749	455.793,575	16,082	15,615	73	93	9.179	184,227	558,533	3,032	2,565
24	44	96.905	26.809,461	427.451,826	15,944	15,477	74	94	6.847	130,253	374,306	2,874	2,406
25	45	96.700	25.358,025	400.642,365	15,799	15,332	75	95	4.962	89,477	244,053	2,728	2,260
26	46	96.476	23.980,368	375.284,340	15,650	15,182	76	96	3.489	59,634	154,576	2,592	2,125
27	47	96.234	22.673,157	351.303,972	15,494	15,027	77	97	2.377	38,516	94,942	2,465	1,998
28	48	95.978	21.434,012	328.630,815	15,332	14,865	78	98	1.566	24,044	56,426	2,347	1,880
29	49	95.704	20.258,627	307.196,803	15,164	14,697	79	99	994	14,472	32,382	2,238	1,770
30	50	95.407	19.142,802	286.938,176	14,989	14,522	80	100	608	8,388	17,910	2,135	1,668
31	51	95.096	18.085,768	267.795,375	14,807	14,340	81	101	357	4,666	9,522	2,041	1,574
32	52	94.757	17.081,798	249.709,607	14,618	14,151	82	102	201	2,487	4,857	1,953	1,486
33	53	94.393	16.129,104	232.627,808	14,423	13,956	83	103	108	1,263	2,369	1,876	1,408
34	54	94.013	15.226,608	216.498,704	14,218	13,751	84	104	55	0,613	1,106	1,804	1,337
35	55	93.596	14.368,866	201.272,096	14,008	13,540	85	105	27	0,284	0,493	1,737	1,270
36	56	93.144	13.554,003	186.903,230	13,790	13,322	86	106					
37	57	92.666	12.781,373	173.349,226	13,563	13,095	87	107					
38	58	92.141	12.046,404	160.567,853	13,329	12,862	88	108					
39	59	91.570	11.347,747	148.521,449	13,088	12,621	89	109					
40	60	90.965	10.684,983	137.173,701	12,838	12,371	90	110					
41	61	90.308	10.054,853	126.488,719	12,580	12,113	91	111					
42	62	89.629	9.459,030	116.433,866	12,309	11,842	92	112					
43	63	88.869	8.889,834	106.974,836	12,033	11,566	93						
44	64	88.046	8.348,350	98.085,002	11,749	11,282	94						
45	65	87.167	7.834,186	89.736,652	11,454	10,987	95						
46	66	86.190	7.342,457	81.902,466	11,155	10,687	96						
47	67	85.119	6.873,235	74.560,009	10,848	10,381	97						
48	68	83.938	6.424,521	67.686,774	10,536	10,069	98						
49	69	82.639	5.995,367	61.262,253	10,218	9,751	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -21 Jahre

Zinsfuß 5,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	21	99.293	99.292,607	1.789.006,974	18,018	17,550	50	71	80.064	5.505,744	52.922,124	9,612	9,145
1	22	98.815	93.663,906	1.689.714,367	18,040	17,573	51	72	78.376	5.108,667	47.416,379	9,282	8,814
2	23	98.749	88.721,060	1.596.050,460	17,990	17,522	52	73	76.564	4.730,400	42.307,713	8,944	8,477
3	24	98.703	84.056,924	1.507.329,400	17,932	17,465	53	74	74.565	4.366,685	37.577,313	8,605	8,138
4	25	98.658	79.638,633	1.423.272,476	17,872	17,404	54	75	72.409	4.019,402	33.210,627	8,263	7,795
5	26	98.621	75.458,161	1.343.633,843	17,806	17,339	55	76	70.053	3.685,881	29.191,225	7,920	7,453
6	27	98.580	71.494,507	1.268.175,682	17,738	17,271	56	77	67.516	3.367,194	25.505,344	7,575	7,107
7	28	98.539	67.739,660	1.196.681,175	17,666	17,199	57	78	64.808	3.063,639	22.138,150	7,226	6,759
8	29	98.498	64.181,224	1.128.941,515	17,590	17,123	58	79	61.866	2.772,102	19.074,511	6,881	6,414
9	30	98.458	60.810,245	1.064.760,291	17,510	17,042	59	80	58.699	2.493,064	16.302,410	6,539	6,072
10	31	98.416	57.615,778	1.003.950,046	17,425	16,958	60	81	55.252	2.224,349	13.809,345	6,208	5,741
11	32	98.372	54.587,474	946.334,268	17,336	16,869	61	82	51.585	1.968,444	11.584,996	5,885	5,418
12	33	98.322	51.715,811	891.746,793	17,243	16,776	62	83	47.672	1.724,284	9.616,552	5,577	5,110
13	34	98.270	48.993,740	840.030,982	17,146	16,678	63	84	43.660	1.496,838	7.892,269	5,273	4,805
14	35	98.212	46.411,774	791.037,242	17,044	16,577	64	85	39.571	1.285,931	6.395,431	4,973	4,506
15	36	98.143	43.961,569	744.625,469	16,938	16,471	65	86	35.565	1.095,496	5.109,500	4,664	4,197
16	37	98.065	41.636,347	700.663,900	16,828	16,361	66	87	31.419	917,349	4.014,004	4,376	3,908
17	38	97.967	39.426,424	659.027,553	16,715	16,248	67	88	27.185	752,351	3.096,655	4,116	3,649
18	39	97.849	37.325,948	619.601,129	16,600	16,133	68	89	23.104	606,067	2.344,304	3,868	3,401
19	40	97.696	35.324,918	582.275,182	16,483	16,016	69	90	19.214	477,752	1.738,238	3,638	3,171
20	41	97.533	33.427,260	546.950,264	16,362	15,895	70	91	15.660	369,067	1.260,485	3,415	2,948
21	42	97.362	31.629,222	513.523,004	16,236	15,769	71	92	12.362	276,163	891,418	3,228	2,761
22	43	97.176	29.923,106	481.893,782	16,104	15,637	72	93	9.514	201,451	615,255	3,054	2,587
23	44	96.977	28.304,961	451.970,676	15,968	15,501	73	94	7.123	142,962	413,804	2,895	2,427
24	45	96.770	26.772,142	423.665,714	15,825	15,358	74	95	5.182	98,583	270,842	2,747	2,280
25	46	96.547	25.317,807	396.893,573	15,676	15,209	75	96	3.658	65,964	172,259	2,611	2,144
26	47	96.303	23.937,300	371.575,765	15,523	15,056	76	97	2.502	42,768	106,295	2,485	2,018
27	48	96.047	22.629,065	347.638,466	15,362	14,895	77	98	1.656	26,836	63,527	2,367	1,900
28	49	95.775	21.388,573	325.009,400	15,195	14,728	78	99	1.058	16,255	36,691	2,257	1,790
29	50	95.474	20.209,870	303.620,827	15,023	14,556	79	100	651	9,480	20,436	2,156	1,689
30	51	95.166	19.094,435	283.410,957	14,843	14,375	80	101	385	5,317	10,956	2,060	1,593
31	52	94.832	18.035,539	264.316,522	14,655	14,188	81	102	219	2,859	5,639	1,973	1,505
32	53	94.471	17.030,157	246.280,983	14,461	13,994	82	103	119	1,471	2,780	1,890	1,423
33	54	94.095	16.078,175	229.250,826	14,259	13,791	83	104	61	0,720	1,309	1,818	1,351
34	55	93.686	15.173,646	213.172,651	14,049	13,582	84	105	30	0,337	0,589	1,751	1,284
35	56	93.242	14.314,454	197.999,004	13,832	13,365	85	106					
36	57	92.770	13.499,588	183.684,551	13,607	13,139	86	107					
37	58	92.252	12.724,329	170.184,963	13,375	12,908	87	108					
38	59	91.697	11.988,393	157.460,634	13,134	12,667	88	109					
39	60	91.105	11.290,058	145.472,241	12,885	12,418	89	110					
40	61	90.464	10.626,170	134.182,183	12,628	12,160	90	111					
41	62	89.800	9.998,271	123.556,013	12,358	11,891	91	112					
42	63	89.065	9.399,506	113.557,742	12,081	11,614	92						
43	64	88.264	8.829,367	104.158,237	11,797	11,330	93						
44	65	87.402	8.287,300	95.328,870	11,503	11,036	94						
45	66	86.456	7.770,202	87.041,570	11,202	10,735	95						
46	67	85.409	7.275,959	79.271,369	10,895	10,428	96						
47	68	84.254	6.803,369	71.995,409	10,582	10,115	97						
48	69	82.978	6.351,040	65.192,041	10,265	9,798	98						
49	70	81.585	5.918,877	58.841,001	9,941	9,474	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -22 Jahre

Zinsfuß 5,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	22	99.268	99.268,313	1.784.403,279	17,976	17,508	50	72	78.766	5.416,484	50.495,233	9,323	8,855
1	23	98.789	93.638,548	1.685.134,966	17,996	17,529	51	73	76.963	5.016,562	45.078,749	8,986	8,519
2	24	98.723	88.697,913	1.591.496,418	17,943	17,476	52	74	75.004	4.634,031	40.062,187	8,645	8,178
3	25	98.676	84.034,088	1.502.798,505	17,883	17,416	53	75	72.867	4.267,292	35.428,156	8,302	7,835
4	26	98.634	79.619,037	1.418.764,417	17,819	17,352	54	76	70.532	3.915,189	31.160,864	7,959	7,492
5	27	98.593	75.437,035	1.339.145,381	17,752	17,285	55	77	68.025	3.579,181	27.245,675	7,612	7,145
6	28	98.551	71.473,671	1.263.708,345	17,681	17,214	56	78	65.319	3.257,651	23.666,494	7,265	6,798
7	29	98.510	67.719,553	1.192.234,674	17,605	17,138	57	79	62.406	2.950,094	20.408,844	6,918	6,451
8	30	98.469	64.162,438	1.124.515,121	17,526	17,059	58	80	59.264	2.655,490	17.458,750	6,575	6,107
9	31	98.425	60.790,335	1.060.352,683	17,443	16,976	59	81	55.839	2.371,616	14.803,260	6,242	5,775
10	32	98.381	57.595,197	999.562,348	17,355	16,888	60	82	52.172	2.100,355	12.431,643	5,919	5,452
11	33	98.337	54.568,064	941.967,151	17,262	16,795	61	83	48.251	1.841,235	10.331,288	5,611	5,144
12	34	98.283	51.695,147	887.399,087	17,166	16,699	62	84	44.256	1.600,725	8.490,053	5,304	4,837
13	35	98.224	48.970,771	835.703,940	17,065	16,598	63	85	40.151	1.376,550	6.889,328	5,005	4,538
14	36	98.161	46.388,013	786.733,169	16,960	16,493	64	86	36.135	1.174,281	5.512,778	4,695	4,227
15	37	98.088	43.936,710	740.345,156	16,850	16,383	65	87	31.979	985,054	4.338,498	4,404	3,937
16	38	98.004	41.610,815	696.408,446	16,736	16,269	66	88	27.716	809,214	3.353,444	4,144	3,677
17	39	97.898	39.398,844	654.797,632	16,620	16,153	67	89	23.610	653,396	2.544,230	3,894	3,427
18	40	97.770	37.296,077	615.398,787	16,500	16,033	68	90	19.679	516,233	1.890,834	3,663	3,196
19	41	97.611	35.294,186	578.102,710	16,380	15,912	69	91	16.073	399,658	1.374,601	3,439	2,972
20	42	97.436	33.394,218	542.808,525	16,255	15,787	70	92	12.725	299,904	974,943	3,251	2,784
21	43	97.253	31.593,650	509.414,307	16,124	15,657	71	93	9.823	219,442	675,039	3,076	2,609
22	44	97.050	29.884,266	477.820,657	15,989	15,522	72	94	7.383	156,328	455,597	2,914	2,447
23	45	96.842	28.265,560	447.936,392	15,847	15,380	73	95	5.391	108,202	299,269	2,766	2,299
24	46	96.617	26.729,681	419.670,831	15,701	15,233	74	96	3.820	72,678	191,067	2,629	2,162
25	47	96.373	25.272,337	392.941,150	15,548	15,081	75	97	2.623	47,307	118,389	2,503	2,035
26	48	96.116	23.890,750	367.668,813	15,390	14,922	76	98	1.743	29,798	71,082	2,385	1,918
27	49	95.843	22.581,093	343.778,063	15,224	14,757	77	99	1.120	18,142	41,284	2,276	1,808
28	50	95.544	21.337,097	321.196,970	15,053	14,586	78	100	693	10,648	23,142	2,173	1,706
29	51	95.233	20.158,807	299.859,873	14,875	14,408	79	101	413	6,010	12,494	2,079	1,612
30	52	94.901	19.041,405	279.701,066	14,689	14,222	80	102	236	3,258	6,484	1,990	1,523
31	53	94.545	17.981,014	260.659,661	14,496	14,029	81	103	129	1,691	3,226	1,908	1,441
32	54	94.172	16.976,383	242.678,646	14,295	13,828	82	104	68	0,839	1,536	1,831	1,364
33	55	93.768	16.022,252	225.702,263	14,087	13,620	83	105	34	0,395	0,697	1,764	1,296
34	56	93.331	15.116,186	209.680,012	13,871	13,404	84	106					
35	57	92.868	14.256,985	194.563,826	13,647	13,180	85	107					
36	58	92.356	13.439,338	180.306,841	13,416	12,949	86	108					
37	59	91.808	12.663,053	166.867,503	13,178	12,710	87	109					
38	60	91.231	11.927,447	154.204,449	12,929	12,461	88	110					
39	61	90.604	11.227,915	142.277,003	12,672	12,205	89	111					
40	62	89.955	10.566,373	131.049,088	12,402	11,935	90	112					
41	63	89.235	9.935,352	120.482,715	12,127	11,659	91						
42	64	88.459	9.335,572	110.547,363	11,842	11,374	92						
43	65	87.619	8.764,799	101.211,791	11,548	11,080	93						
44	66	86.688	8.219,615	92.446,992	11,247	10,780	94						
45	67	85.673	7.699,830	84.227,378	10,939	10,472	95						
46	68	84.541	7.201,999	76.527,548	10,626	10,159	96						
47	69	83.290	6.725,555	69.325,548	10,308	9,841	97						
48	70	81.919	6.270,012	62.599,994	9,984	9,517	98						
49	71	80.425	5.834,749	56.329,981	9,654	9,187	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -23 Jahre

Zinsfuß 5,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	23	99.241	99.241,437	1.779.532,501	17,931	17,464	50	73	77.346	5.318,829	47.993,185	9,023	8,556
1	24	98.763	93.614,117	1.680.291,064	17,949	17,482	51	74	75.395	4.914,363	42.674,355	8,684	8,216
2	25	98.696	88.673,815	1.586.676,947	17,893	17,426	52	75	73.297	4.528,552	37.759,993	8,338	7,871
3	26	98.652	84.013,410	1.498.003,132	17,831	17,363	53	76	70.978	4.156,652	33.231,440	7,995	7,528
4	27	98.606	79.596,747	1.413.989,722	17,764	17,297	54	77	68.490	3.801,851	29.074,789	7,648	7,180
5	28	98.564	75.415,051	1.334.392,975	17,694	17,227	55	78	65.812	3.462,741	25.272,938	7,299	6,831
6	29	98.522	71.452,457	1.258.977,925	17,620	17,153	56	79	62.899	3.136,915	21.810,196	6,953	6,486
7	30	98.481	67.699,731	1.187.525,468	17,541	17,074	57	80	59.781	2.825,995	18.673,281	6,608	6,140
8	31	98.437	64.141,430	1.119.825,737	17,459	16,992	58	81	56.377	2.526,129	15.847,287	6,273	5,806
9	32	98.390	60.768,620	1.055.684,307	17,372	16,905	59	82	52.727	2.239,413	13.321,157	5,949	5,481
10	33	98.346	57.574,718	994.915,687	17,280	16,813	60	83	48.801	1.964,621	11.081,744	5,641	5,173
11	34	98.297	54.546,260	937.340,969	17,184	16,717	61	84	44.794	1.709,296	9.117,122	5,334	4,867
12	35	98.237	51.670,911	882.794,709	17,085	16,618	62	85	40.699	1.472,089	7.407,827	5,032	4,565
13	36	98.174	48.945,700	831.123,798	16,981	16,513	63	86	36.665	1.257,031	5.935,738	4,722	4,255
14	37	98.106	46.361,782	782.178,098	16,871	16,404	64	87	32.492	1.055,896	4.678,707	4,431	3,964
15	38	98.028	43.909,767	735.816,316	16,757	16,290	65	88	28.210	868,938	3.622,811	4,169	3,702
16	39	97.936	41.581,707	691.906,549	16,640	16,172	66	89	24.070	702,780	2.753,872	3,919	3,451
17	40	97.820	39.367,315	650.324,841	16,519	16,052	67	90	20.110	556,547	2.051,092	3,685	3,218
18	41	97.685	37.263,630	610.957,526	16,396	15,928	68	91	16.463	431,848	1.494,545	3,461	2,994
19	42	97.515	35.259,298	573.693,896	16,271	15,804	69	92	13.061	324,762	1.062,697	3,272	2,805
20	43	97.327	33.356,660	538.434,598	16,142	15,675	70	93	10.111	238,307	737,935	3,097	2,629
21	44	97.126	31.552,640	505.077,938	16,007	15,540	71	94	7.623	170,289	499,628	2,934	2,467
22	45	96.915	29.842,666	473.525,298	15,867	15,407	72	95	5.588	118,318	329,339	2,784	2,316
23	46	96.689	28.220,731	443.682,631	15,722	15,255	73	96	3.974	79,769	211,021	2,645	2,178
24	47	96.443	26.681,675	415.461,900	15,571	15,104	74	97	2.740	52,122	131,252	2,518	2,051
25	48	96.186	25.223,191	388.780,225	15,414	14,946	75	98	1.828	32,961	79,130	2,401	1,934
26	49	95.912	23.840,103	363.557,034	15,250	14,783	76	99	1.179	20,144	46,169	2,292	1,825
27	50	95.613	22.526,747	339.716,931	15,081	14,613	77	100	734	11,884	26,024	2,190	1,723
28	51	95.303	21.283,186	317.190,184	14,903	14,436	78	101	440	6,750	14,140	2,095	1,628
29	52	94.968	20.102,822	295.906,998	14,720	14,252	79	102	253	3,682	7,390	2,007	1,540
30	53	94.615	18.983,839	275.804,177	14,528	14,061	80	103	140	1,927	3,708	1,924	1,457
31	54	94.247	17.924,239	256.820,338	14,328	13,861	81	104	74	0,964	1,781	1,848	1,381
32	55	93.845	16.917,335	238.896,099	14,121	13,654	82	105	37	0,460	0,817	1,775	1,308
33	56	93.413	15.961,578	221.978,764	13,907	13,440	83	106					
34	57	92.956	15.055,499	206.017,186	13,684	13,217	84	107					
35	58	92.453	14.193,355	190.961,688	13,454	12,987	85	108					
36	59	91.912	13.374,619	176.768,333	13,217	12,750	86	109					
37	60	91.341	12.598,677	163.393,714	12,969	12,502	87	110					
38	61	90.729	11.861,795	150.795,037	12,713	12,245	88	111					
39	62	90.094	11.164,731	138.933,242	12,444	11,977	89	112					
40	63	89.389	10.499,880	127.768,510	12,169	11,701	90						
41	64	88.628	9.867,774	117.268,631	11,884	11,417	91						
42	65	87.813	9.267,302	107.400,857	11,589	11,122	92						
43	66	86.903	8.693,214	98.133,555	11,289	10,821	93						
44	67	85.903	8.145,173	89.440,341	10,981	10,514	94						
45	68	84.802	7.621,561	81.295,168	10,666	10,199	95						
46	69	83.574	7.119,626	73.673,607	10,348	9,881	96						
47	70	82.228	6.639,749	66.553,981	10,024	9,556	97						
48	71	80.755	6.180,893	59.914,232	9,693	9,226	98						
49	72	79.121	5.740,154	53.733,339	9,361	8,894	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -24 Jahre

Zinsfuß 5,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	24	99.216	99.215,545	1.774.383,467	17,884	17,417	50	74	75.770	5.210,472	45.421,832	8,717	8,250
1	25	98.736	93.588,684	1.675.167,923	17,899	17,432	51	75	73.679	4.802,503	40.211,360	8,373	7,906
2	26	98.672	88.651,996	1.581.579,238	17,840	17,373	52	76	71.397	4.411,138	35.408,856	8,027	7,560
3	27	98.624	83.989,889	1.492.927,243	17,775	17,308	53	77	68.923	4.036,323	30.997,718	7,680	7,213
4	28	98.578	79.573,550	1.408.937,353	17,706	17,239	54	78	66.262	3.678,167	26.961,395	7,330	6,863
5	29	98.535	75.392,666	1.329.363,804	17,633	17,165	55	79	63.373	3.334,405	23.283,228	6,983	6,516
6	30	98.493	71.431,542	1.253.971,138	17,555	17,088	56	80	60.253	3.004,957	19.948,823	6,639	6,171
7	31	98.449	67.677,565	1.182.539,596	17,473	17,006	57	81	56.869	2.688,328	16.943,865	6,303	5,836
8	32	98.402	64.118,518	1.114.862,031	17,388	16,920	58	82	53.234	2.385,313	14.255,537	5,976	5,509
9	33	98.355	60.747,012	1.050.743,513	17,297	16,830	59	83	49.319	2.094,693	11.870,224	5,667	5,200
10	34	98.307	57.551,712	989.996,501	17,202	16,735	60	84	45.304	1.823,841	9.775,531	5,360	4,893
11	35	98.251	54.520,688	932.444,789	17,103	16,635	61	85	41.194	1.571,934	7.951,690	5,059	4,591
12	36	98.187	51.644,458	877.924,101	16,999	16,532	62	86	37.166	1.344,275	6.379,756	4,746	4,279
13	37	98.118	48.918,023	826.279,643	16,891	16,424	63	87	32.969	1.130,304	5.035,481	4,455	3,988
14	38	98.046	46.333,352	777.361,620	16,778	16,310	64	88	28.662	931,430	3.905,176	4,193	3,725
15	39	97.959	43.879,052	731.028,268	16,660	16,193	65	89	24.499	754,649	2.973,747	3,941	3,473
16	40	97.857	41.548,431	687.149,216	16,539	16,071	66	90	20.503	598,611	2.219,097	3,707	3,240
17	41	97.735	39.333,066	645.600,785	16,414	15,947	67	91	16.823	465,572	1.620,487	3,481	3,013
18	42	97.589	37.226,796	606.267,719	16,286	15,819	68	92	13.378	350,920	1.154,914	3,291	2,824
19	43	97.405	35.219,643	569.040,923	16,157	15,690	69	93	10.379	258,059	803,994	3,116	2,648
20	44	97.200	33.313,362	533.821,280	16,024	15,557	70	94	7.846	184,928	545,935	2,952	2,485
21	45	96.991	31.508,719	500.507,918	15,885	15,418	71	95	5.769	128,885	361,007	2,801	2,334
22	46	96.761	29.795,336	468.999,199	15,741	15,274	72	96	4.119	87,227	232,122	2,661	2,194
23	47	96.515	28.170,047	439.203,863	15,591	15,124	73	97	2.850	57,207	144,895	2,533	2,066
24	48	96.256	26.629,789	411.033,816	15,435	14,968	74	98	1.909	36,316	87,688	2,415	1,947
25	49	95.982	25.169,720	384.404,028	15,272	14,805	75	99	1.236	22,283	51,372	2,305	1,838
26	50	95.681	23.782,727	359.234,308	15,105	14,638	76	100	772	13,196	29,089	2,204	1,737
27	51	95.371	22.469,830	335.451,581	14,929	14,462	77	101	465	7,534	15,893	2,110	1,642
28	52	95.038	21.224,077	312.981,751	14,747	14,279	78	102	269	4,136	8,359	2,021	1,554
29	53	94.681	20.042,047	291.757,674	14,557	14,090	79	103	150	2,178	4,223	1,939	1,472
30	54	94.316	18.923,897	271.715,627	14,358	13,891	80	104	80	1,098	2,046	1,862	1,395
31	55	93.919	17.861,894	252.791,731	14,153	13,685	81	105	40	0,529	0,947	1,790	1,323
32	56	93.490	16.853,272	234.929,837	13,940	13,473	82	106					
33	57	93.038	15.897,496	218.076,565	13,718	13,250	83	107					
34	58	92.541	14.988,305	202.179,069	13,489	13,022	84	108					
35	59	92.008	14.125,005	187.190,764	13,252	12,785	85	109					
36	60	91.444	13.306,626	173.065,759	13,006	12,539	86	110					
37	61	90.838	12.529,331	159.759,134	12,751	12,284	87	111					
38	62	90.218	11.795,044	147.229,803	12,482	12,015	88	112					
39	63	89.527	11.094,473	135.434,758	12,207	11,740	89						
40	64	88.781	10.428,461	124.340,286	11,923	11,456	90						
41	65	87.980	9.795,613	113.911,825	11,629	11,162	91						
42	66	87.095	9.191,613	104.116,212	11,327	10,860	92						
43	67	86.116	8.614,483	94.924,599	11,019	10,552	93						
44	68	85.030	8.062,377	86.310,116	10,705	10,238	94						
45	69	83.832	7.534,389	78.247,739	10,385	9,918	95						
46	70	82.508	7.028,793	70.713,350	10,061	9,593	96						
47	71	81.059	6.545,374	63.684,557	9,730	9,263	97						
48	72	79.446	6.080,687	57.139,183	9,397	8,930	98						
49	73	77.695	5.636,664	51.058,496	9,058	8,591	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -25 Jahre

Zinsfuß 5,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	25	99.189	99.188,590	1.768.940,640	17,834	17,367	50	75	74.046	5.091,873	42.789,843	8,404	7,936
1	26	98.712	93.565,655	1.669.752,050	17,846	17,379	51	76	71.769	4.677,986	37.697,970	8,059	7,591
2	27	98.644	88.627,177	1.576.186,395	17,784	17,317	52	77	69.330	4.283,443	33.019,984	7,709	7,242
3	28	98.596	83.965,412	1.487.559,218	17,716	17,249	53	78	66.681	3.905,012	28.736,541	7,359	6,892
4	29	98.548	79.549,930	1.403.593,806	17,644	17,177	54	79	63.806	3.541,846	24.831,529	7,011	6,544
5	30	98.506	75.370,598	1.324.043,875	17,567	17,100	55	80	60.707	3.194,139	21.289,683	6,665	6,198
6	31	98.461	71.408,154	1.248.673,278	17,486	17,019	56	81	57.317	2.858,573	18.095,544	6,330	5,863
7	32	98.414	67.653,390	1.177.265,124	17,401	16,934	57	82	53.699	2.538,470	15.236,971	6,002	5,535
8	33	98.367	64.095,719	1.109.611,734	17,312	16,845	58	83	49.794	2.231,164	12.698,501	5,691	5,224
9	34	98.316	60.722,739	1.045.516,015	17,218	16,751	59	84	45.785	1.944,592	10.467,336	5,383	4,916
10	35	98.261	57.524,731	984.793,276	17,119	16,652	60	85	41.663	1.677,274	8.522,744	5,081	4,614
11	36	98.201	54.492,775	927.268,545	17,016	16,549	61	86	37.617	1.435,452	6.845,470	4,769	4,302
12	37	98.131	51.615,255	872.775,769	16,909	16,442	62	87	33.419	1.208,753	5.410,019	4,476	4,009
13	38	98.058	48.888,026	821.160,514	16,797	16,330	63	88	29.082	997,067	4.201,266	4,214	3,746
14	39	97.977	46.300,942	772.272,489	16,679	16,212	64	89	24.892	808,921	3.204,199	3,961	3,494
15	40	97.881	43.843,937	725.971,547	16,558	16,091	65	90	20.868	642,792	2.395,278	3,726	3,259
16	41	97.772	41.512,285	682.127,610	16,432	15,965	66	91	17.151	500,761	1.752,486	3,500	3,032
17	42	97.638	39.294,186	640.615,325	16,303	15,836	67	92	13.670	378,324	1.251,725	3,309	2,841
18	43	97.479	37.184,928	601.321,139	16,171	15,704	68	93	10.630	278,844	873,401	3,132	2,665
19	44	97.279	35.173,927	564.136,211	16,038	15,571	69	94	8.054	200,256	594,557	2,969	2,502
20	45	97.065	33.266,990	528.962,285	15,901	15,433	70	95	5.939	139,965	394,300	2,817	2,350
21	46	96.837	31.458,746	495.695,295	15,757	15,290	71	96	4.253	95,017	254,336	2,677	2,210
22	47	96.588	29.741,824	464.236,549	15,609	15,142	72	97	2.954	62,556	159,319	2,547	2,080
23	48	96.327	28.115,266	434.494,725	15,454	14,987	73	98	1.986	39,859	96,763	2,428	1,960
24	49	96.052	26.573,335	406.379,459	15,293	14,826	74	99	1.290	24,550	56,904	2,318	1,851
25	50	95.751	25.109,143	379.806,124	15,126	14,659	75	100	809	14,597	32,353	2,216	1,749
26	51	95.439	23.722,637	354.696,980	14,952	14,485	76	101	489	8,366	17,756	2,123	1,655
27	52	95.106	22.407,426	330.974,344	14,771	14,304	77	102	285	4,616	9,391	2,034	1,567
28	53	94.751	21.159,912	308.566,918	14,583	14,115	78	103	159	2,446	4,775	1,952	1,485
29	54	94.382	19.978,763	287.407,005	14,386	13,918	79	104	85	1,242	2,329	1,876	1,408
30	55	93.988	18.858,075	267.428,242	14,181	13,714	80	105	44	0,603	1,087	1,803	1,336
31	56	93.563	17.794,253	248.570,168	13,969	13,502	81	106					
32	57	93.114	16.785,610	230.775,914	13,748	13,281	82	107					
33	58	92.623	15.826,545	213.990,304	13,521	13,054	83	108					
34	59	92.096	14.916,126	198.163,759	13,285	12,818	84	109					
35	60	91.540	14.053,197	183.247,633	13,040	12,572	85	110					
36	61	90.941	13.233,382	169.194,436	12,785	12,318	86	111					
37	62	90.327	12.458,824	155.961,054	12,518	12,051	87	112					
38	63	89.650	11.720,819	143.502,230	12,243	11,776	88						
39	64	88.918	11.019,010	131.781,411	11,959	11,492	89						
40	65	88.131	10.352,200	120.762,401	11,665	11,198	90						
41	66	87.261	9.715,608	110.410,201	11,364	10,897	91						
42	67	86.307	9.108,368	100.694,593	11,055	10,588	92						
43	68	85.241	8.526,917	91.586,224	10,741	10,274	93						
44	69	84.057	7.970,163	83.059,308	10,421	9,954	94						
45	70	82.762	7.438,264	75.089,145	10,095	9,628	95						
46	71	81.335	6.928,889	67.650,880	9,764	9,296	96						
47	72	79.745	6.439,259	60.721,992	9,430	8,963	97						
48	73	78.013	5.971,057	54.282,733	9,091	8,624	98						
49	74	76.112	5.521,832	48.311,675	8,749	8,282	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 1 Jahr

Zinsfuß 5,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	49	91.859	6.316,823	84.609,522	13,394	12,927
1	0	99.544	94.354,284	1.743.467,778	18,478	18,011	51	50	91.184	5.943,501	78.292,699	13,173	12,706
2	1	99.126	89.059,766	1.649.113,494	18,517	18,050	52	51	90.482	5.590,303	72.349,198	12,942	12,475
3	2	99.070	84.369,617	1.560.053,728	18,491	18,024	53	52	89.702	5.253,158	66.758,895	12,708	12,241
4	3	99.033	79.940,804	1.475.684,110	18,460	17,993	54	53	88.868	4.933,040	61.505,737	12,468	12,001
5	4	99.002	75.750,108	1.395.743,306	18,426	17,958	55	54	87.986	4.629,454	56.572,696	12,220	11,753
6	5	98.976	71.781,946	1.319.993,199	18,389	17,922	56	55	87.024	4.340,113	51.943,242	11,968	11,501
7	6	98.952	68.022,936	1.248.211,253	18,350	17,883	57	56	86.015	4.066,177	47.603,129	11,707	11,240
8	7	98.930	64.462,814	1.180.188,317	18,308	17,841	58	57	84.929	3.805,507	43.536,952	11,441	10,973
9	8	98.910	61.089,608	1.115.725,503	18,264	17,797	59	58	83.744	3.556,795	39.731,444	11,171	10,703
10	9	98.891	57.893,865	1.054.635,896	18,217	17,750	60	59	82.465	3.319,868	36.174,650	10,896	10,429
11	10	98.875	54.866,999	996.742,031	18,167	17,699	61	60	81.122	3.095,549	32.854,782	10,614	10,146
12	11	98.853	51.994,748	941.875,032	18,115	17,648	62	61	79.706	2.882,970	29.759,233	10,322	9,855
13	12	98.831	49.273,064	889.880,284	18,060	17,593	63	62	78.190	2.680,694	26.876,263	10,026	9,559
14	13	98.809	46.694,304	840.607,220	18,002	17,535	64	63	76.575	2.488,464	24.195,569	9,723	9,256
15	14	98.782	44.247,551	793.912,916	17,943	17,475	65	64	74.854	2.305,719	21.707,105	9,414	8,947
16	15	98.747	41.926,027	749.665,364	17,881	17,413	66	65	73.005	2.131,538	19.401,386	9,102	8,635
17	16	98.691	39.717,992	707.739,337	17,819	17,352	67	66	71.024	1.965,569	17.269,849	8,786	8,319
18	17	98.620	37.620,335	668.021,345	17,757	17,290	68	67	68.873	1.806,679	15.304,279	8,471	8,004
19	18	98.524	35.624,198	630.401,011	17,696	17,229	69	68	66.561	1.655,013	13.497,600	8,156	7,688
20	19	98.416	33.730,113	594.776,813	17,633	17,166	70	69	64.105	1.510,855	11.842,587	7,838	7,371
21	20	98.314	31.938,508	561.046,700	17,566	17,099	71	70	61.483	1.373,499	10.331,732	7,522	7,055
22	21	98.206	30.240,175	529.108,192	17,497	17,030	72	71	58.700	1.242,976	8.958,233	7,207	6,740
23	22	98.108	28.635,054	498.868,017	17,422	16,954	73	72	55.716	1.118,270	7.715,257	6,899	6,432
24	23	98.009	27.114,770	470.232,963	17,342	16,875	74	73	52.589	1.000,492	6.596,987	6,594	6,127
25	24	97.912	25.675,855	443.118,192	17,258	16,791	75	74	49.330	889,572	5.596,496	6,291	5,824
26	25	97.814	24.312,895	417.442,337	17,170	16,702	76	75	45.979	785,905	4.706,924	5,989	5,522
27	26	97.720	23.023,250	393.129,443	17,075	16,608	77	76	42.552	689,421	3.921,019	5,687	5,220
28	27	97.623	21.801,274	370.106,193	16,976	16,509	78	77	39.059	599,829	3.231,598	5,388	4,920
29	28	97.522	20.643,507	348.304,919	16,872	16,405	79	78	35.494	516,671	2.631,768	5,094	4,627
30	29	97.425	19.547,739	327.661,412	16,762	16,295	80	79	31.903	440,181	2.115,097	4,805	4,338
31	30	97.325	18.509,707	308.113,673	16,646	16,179	81	80	28.289	369,978	1.674,916	4,527	4,060
32	31	97.217	17.525,151	289.603,967	16,525	16,058	82	81	24.702	306,216	1.304,938	4,261	3,794
33	32	97.102	16.591,980	272.078,816	16,398	15,931	83	82	21.136	248,347	998,722	4,021	3,554
34	33	96.983	15.707,612	255.486,836	16,265	15,798	84	83	17.755	197,751	750,375	3,795	3,327
35	34	96.851	14.868,568	239.779,225	16,127	15,659	85	84	14.665	154,823	552,624	3,569	3,102
36	35	96.705	14.072,080	224.910,657	15,983	15,516	86	85	11.920	119,276	397,801	3,335	2,868
37	36	96.546	13.316,587	210.838,576	15,833	15,366	87	86	9.443	89,565	278,526	3,110	2,643
38	37	96.375	12.599,979	197.521,990	15,676	15,209	88	87	7.216	64,873	188,960	2,913	2,446
39	38	96.183	11.919,337	184.922,011	15,514	15,047	89	88	5.312	45,266	124,087	2,741	2,274
40	39	95.968	11.272,646	173.002,674	15,347	14,880	90	89	3.784	30,563	78,821	2,579	2,112
41	40	95.726	10.658,035	161.730,029	15,174	14,707	91	90	2.598	19,888	48,258	2,426	1,959
42	41	95.461	10.074,439	151.071,994	14,996	14,528	92	91	1.711	12,416	28,370	2,285	1,818
43	42	95.156	9.518,751	140.997,555	14,813	14,345	93	92	1.071	7,364	15,955	2,166	1,699
44	43	94.814	8.990,055	131.478,804	14,625	14,158	94	93	640	4,173	8,590	2,059	1,591
45	44	94.436	8.487,487	122.488,748	14,432	13,965	95	94	365	2,253	4,417	1,960	1,493
46	45	94.015	8.009,092	114.001,262	14,234	13,767	96	95	197	1,157	2,164	1,871	1,404
47	46	93.547	7.553,789	105.992,170	14,032	13,564	97	96	101	0,563	1,007	1,790	1,323
48	47	93.029	7.120,343	98.438,381	13,825	13,358	98	97	49	0,259	0,445	1,716	1,249
49	48	92.469	6.708,516	91.318,038	13,612	13,145	99	98	23	0,113	0,186	1,649	1,182
							100	99	10	0,046	0,073	1,588	1,121

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 2 Jahre

Zinsfuß 5,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	48	92.054	6.330,243	85.234,007	13,465	12,997
1							51	49	91.404	5.957,840	78.903,765	13,244	12,777
2	0	99.504	89.399,209	1.650.460,699	18,462	17,995	52	50	90.711	5.604,463	72.945,925	13,016	12,548
3	1	99.106	84.399,844	1.561.061,489	18,496	18,029	53	51	89.952	5.267,788	67.341,461	12,784	12,316
4	2	99.052	79.956,612	1.476.661,645	18,468	18,001	54	52	89.138	4.947,999	62.073,673	12,545	12,078
5	3	99.019	75.763,112	1.396.705,032	18,435	17,968	55	53	88.265	4.644,118	57.125,674	12,301	11,833
6	4	98.989	71.791,218	1.320.941,920	18,400	17,933	56	54	87.328	4.355,261	52.481,556	12,050	11,583
7	5	98.964	68.031,829	1.249.150,702	18,361	17,894	57	55	86.342	4.081,634	48.126,294	11,791	11,324
8	6	98.939	64.468,755	1.181.118,873	18,321	17,854	58	56	85.271	3.820,847	44.044,660	11,527	11,060
9	7	98.918	61.094,928	1.116.650,119	18,277	17,810	59	57	84.119	3.572,740	40.223,813	11,259	10,791
10	8	98.901	57.899,422	1.055.555,190	18,231	17,764	60	58	82.864	3.335,932	36.651,073	10,987	10,520
11	9	98.882	54.870,545	997.655,768	18,182	17,715	61	59	81.536	3.111,366	33.315,141	10,708	10,240
12	10	98.861	51.999,121	942.785,223	18,131	17,664	62	60	80.147	2.898,927	30.203,775	10,419	9,952
13	11	98.840	49.277,685	890.786,102	18,077	17,610	63	61	78.633	2.695,865	27.304,848	10,128	9,661
14	12	98.818	46.698,270	841.508,417	18,020	17,553	64	62	77.060	2.504,223	24.608,984	9,827	9,360
15	13	98.791	44.251,839	794.810,147	17,961	17,494	65	63	75.367	2.321,509	22.104,760	9,522	9,055
16	14	98.758	41.930,913	750.558,308	17,900	17,433	66	64	73.543	2.147,240	19.783,251	9,213	8,746
17	15	98.709	39.725,089	708.627,395	17,838	17,371	67	65	71.609	1.981,755	17.636,011	8,899	8,432
18	16	98.641	37.628,303	668.902,305	17,777	17,309	68	66	69.502	1.823,191	15.654,256	8,586	8,119
19	17	98.546	35.632,038	631.274,002	17,716	17,249	69	67	67.245	1.672,009	13.831,065	8,272	7,805
20	18	98.445	33.739,816	595.641,965	17,654	17,187	70	68	64.847	1.528,335	12.159,056	7,956	7,489
21	19	98.341	31.947,364	561.902,149	17,588	17,121	71	69	62.277	1.391,249	10.630,721	7,641	7,174
22	20	98.237	30.249,730	529.954,785	17,519	17,052	72	70	59.547	1.260,898	9.239,472	7,328	6,861
23	21	98.132	28.642,062	499.705,055	17,447	16,979	73	71	56.634	1.136,698	7.978,574	7,019	6,552
24	22	98.035	27.122,113	471.062,993	17,368	16,901	74	72	53.555	1.018,861	6.841,876	6,715	6,248
25	23	97.938	25.682,556	443.940,879	17,286	16,819	75	73	50.356	908,071	5.823,015	6,413	5,945
26	24	97.840	24.319,502	418.258,323	17,198	16,731	76	74	47.050	804,210	4.914,944	6,112	5,644
27	25	97.744	23.028,916	393.938,822	17,106	16,639	77	75	43.685	707,772	4.110,733	5,808	5,341
28	26	97.650	21.807,379	370.909,905	17,008	16,541	78	76	40.223	617,711	3.402,961	5,509	5,042
29	27	97.551	20.649,525	349.102,527	16,906	16,439	79	77	36.688	534,045	2.785,250	5,215	4,748
30	28	97.454	19.553,543	328.453,001	16,798	16,330	80	78	33.131	457,123	2.251,205	4,925	4,458
31	29	97.354	18.515,126	308.899,459	16,684	16,216	81	79	29.532	386,225	1.794,082	4,645	4,178
32	30	97.248	17.530,891	290.384,333	16,564	16,097	82	80	25.967	321,897	1.407,857	4,374	3,906
33	31	97.137	16.597,908	272.853,442	16,439	15,972	83	81	22.383	263,008	1.085,961	4,129	3,662
34	32	97.017	15.713,199	256.255,533	16,308	15,841	84	82	18.982	211,414	822,953	3,893	3,425
35	33	96.890	14.874,511	240.542,334	16,171	15,704	85	83	15.797	166,774	611,539	3,667	3,200
36	34	96.750	14.078,681	225.667,823	16,029	15,562	86	84	12.961	129,698	444,766	3,429	2,962
37	35	96.595	13.323,408	211.589,142	15,881	15,414	87	85	10.341	98,081	315,067	3,212	2,745
38	36	96.429	12.607,107	198.265,735	15,727	15,259	88	86	8.025	72,147	216,986	3,008	2,540
39	37	96.242	11.926,651	185.658,627	15,567	15,100	89	87	6.022	51,315	144,839	2,823	2,355
40	38	96.035	11.280,536	173.731,976	15,401	14,934	90	88	4.357	35,192	93,525	2,658	2,190
41	39	95.802	10.666,571	162.451,440	15,230	14,763	91	89	3.050	23,349	58,333	2,498	2,031
42	40	95.544	10.083,211	151.784,869	15,053	14,586	92	90	2.045	14,842	34,984	2,357	1,890
43	41	95.250	9.528,170	141.701,658	14,872	14,405	93	91	1.317	9,063	20,142	2,223	1,755
44	42	94.920	9.000,178	132.173,489	14,686	14,218	94	92	805	5,252	11,080	2,110	1,643
45	43	94.559	8.498,518	123.173,311	14,494	14,026	95	93	470	2,904	5,828	2,007	1,540
46	44	94.146	8.020,256	114.674,793	14,298	13,831	96	94	261	1,528	2,924	1,914	1,446
47	45	93.696	7.565,789	106.654,537	14,097	13,630	97	95	137	0,763	1,396	1,829	1,362
48	46	93.197	7.133,154	99.088,748	13,891	13,424	98	96	69	0,361	0,633	1,751	1,284
49	47	92.649	6.721,587	91.955,594	13,681	13,213	99	97	32	0,161	0,271	1,681	1,214
							100	98	14	0,068	0,110	1,617	1,150

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 3 Jahre

Zinsfuß 5,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	47	92.234	6.342,577	85.810,942	13,529	13,062
1							51	48	91.598	5.970,497	79.468,366	13,310	12,843
2							52	49	90.930	5.617,984	73.497,869	13,083	12,615
3	0	99.484	84.721,527	1.562.310,609	18,441	17,973	53	50	90.179	5.281,132	67.879,885	12,853	12,386
4	1	99.088	79.985,259	1.477.589,083	18,473	18,006	54	51	89.386	4.961,779	62.598,753	12,616	12,149
5	2	99.039	75.778,095	1.397.603,824	18,443	17,976	55	52	88.533	4.658,201	57.636,974	12,373	11,906
6	3	99.006	71.803,543	1.321.825,729	18,409	17,942	56	53	87.604	4.369,057	52.978,773	12,126	11,659
7	4	98.977	68.040,617	1.250.022,187	18,372	17,905	57	54	86.644	4.095,881	48.609,716	11,868	11,401
8	5	98.952	64.477,183	1.181.981,570	18,332	17,865	58	55	85.595	3.835,371	44.513,835	11,606	11,139
9	6	98.928	61.100,558	1.117.504,387	18,290	17,822	59	56	84.459	3.587,141	40.678,464	11,340	10,873
10	7	98.909	57.904,465	1.056.403,828	18,244	17,777	60	57	83.235	3.350,888	37.091,323	11,069	10,602
11	8	98.891	54.875,812	998.499,363	18,196	17,728	61	58	81.931	3.126,422	33.740,435	10,792	10,325
12	9	98.868	52.002,481	943.623,551	18,146	17,679	62	59	80.557	2.913,739	30.614,013	10,507	10,040
13	10	98.848	49.281,829	891.621,070	18,092	17,625	63	60	79.068	2.710,785	27.700,274	10,219	9,751
14	11	98.827	46.702,650	842.339,240	18,036	17,569	64	61	77.496	2.518,395	24.989,488	9,923	9,456
15	12	98.800	44.255,597	795.636,590	17,978	17,511	65	62	75.844	2.336,211	22.471,093	9,619	9,151
16	13	98.768	41.934,976	751.380,993	17,918	17,451	66	63	74.047	2.161,945	20.134,883	9,313	8,846
17	14	98.720	39.729,719	709.446,016	17,857	17,390	67	64	72.136	1.996,354	17.972,937	9,003	8,536
18	15	98.659	37.635,028	669.716,298	17,795	17,328	68	65	70.075	1.838,204	15.976,583	8,691	8,224
19	16	98.567	35.639,585	632.081,270	17,735	17,268	69	66	67.859	1.687,290	14.138,379	8,379	7,912
20	17	98.466	33.747,241	596.441,685	17,674	17,207	70	67	65.513	1.544,030	12.451,089	8,064	7,597
21	18	98.370	31.956,554	562.694,444	17,608	17,141	71	68	62.998	1.407,346	10.907,059	7,750	7,283
22	19	98.264	30.258,118	530.737,890	17,540	17,073	72	69	60.316	1.277,192	9.499,713	7,438	6,971
23	20	98.163	28.651,112	500.479,772	17,468	17,001	73	70	57.450	1.153,088	8.222,521	7,131	6,664
24	21	98.059	27.128,751	471.828,660	17,392	16,925	74	71	54.437	1.035,651	7.069,433	6,826	6,359
25	22	97.964	25.689,511	444.699,909	17,311	16,843	75	72	51.281	924,744	6.033,782	6,525	6,058
26	23	97.866	24.325,848	419.010,398	17,225	16,758	76	73	48.028	820,935	5.109,038	6,223	5,756
27	24	97.771	23.035,174	394.684,550	17,134	16,667	77	74	44.703	724,257	4.288,104	5,921	5,454
28	25	97.674	21.812,746	371.649,375	17,038	16,571	78	75	41.294	634,153	3.563,846	5,620	5,153
29	26	97.578	20.655,308	349.836,629	16,937	16,470	79	76	37.782	549,966	2.929,693	5,327	4,860
30	27	97.482	19.559,243	329.181,321	16,830	16,363	80	77	34.245	472,494	2.379,727	5,037	4,569
31	28	97.383	18.520,623	309.622,078	16,718	16,251	81	78	30.668	401,090	1.907,233	4,755	4,288
32	29	97.277	17.536,024	291.101,455	16,600	16,133	82	79	27.107	336,032	1.506,143	4,482	4,015
33	30	97.169	16.603,345	273.565,431	16,477	16,009	83	80	23.529	276,476	1.170,110	4,232	3,765
34	31	97.052	15.718,814	256.962,086	16,347	15,880	84	81	20.102	223,894	893,634	3,991	3,524
35	32	96.924	14.879,802	241.243,273	16,213	15,746	85	82	16.889	178,296	669,740	3,756	3,289
36	33	96.789	14.084,308	226.363,470	16,072	15,605	86	83	13.962	139,710	491,444	3,518	3,050
37	34	96.641	13.329,657	212.279,162	15,925	15,458	87	84	11.244	106,652	351,735	3,298	2,831
38	35	96.479	12.613,565	198.949,505	15,773	15,305	88	85	8.788	79,007	245,083	3,102	2,635
39	36	96.296	11.933,398	186.335,940	15,615	15,147	89	86	6.697	57,068	166,076	2,910	2,443
40	37	96.094	11.287,458	174.402,541	15,451	14,984	90	87	4.939	39,894	109,008	2,732	2,265
41	38	95.869	10.674,037	163.115,083	15,281	14,814	91	88	3.511	26,885	69,114	2,571	2,104
42	39	95.620	10.091,287	152.441,046	15,106	14,639	92	89	2.401	17,424	42,229	2,424	1,956
43	40	95.333	9.536,466	142.349,759	14,927	14,460	93	90	1.575	10,833	24,804	2,290	1,822
44	41	95.014	9.009,083	132.813,293	14,742	14,275	94	91	991	6,463	13,971	2,162	1,695
45	42	94.666	8.508,087	123.804,210	14,551	14,084	95	92	591	3,654	7,508	2,055	1,587
46	43	94.268	8.030,680	115.296,123	14,357	13,890	96	93	336	1,969	3,854	1,957	1,490
47	44	93.826	7.576,335	107.265,443	14,158	13,691	97	94	182	1,009	1,885	1,868	1,401
48	45	93.345	7.144,485	99.689,108	13,953	13,486	98	95	93	0,490	0,876	1,788	1,320
49	46	92.816	6.733,681	92.544,623	13,744	13,276	99	96	45	0,225	0,386	1,714	1,247
							100	97	21	0,098	0,161	1,647	1,180

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 4 Jahre

Zinsfuß 5,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	46	92.399	6.353,988	86.343,493	13,589	13,122
1							51	47	91.776	5.982,130	79.989,505	13,371	12,904
2							52	48	91.123	5.629,919	74.007,375	13,145	12,678
3							53	49	90.397	5.293,873	68.377,455	12,916	12,449
4	0	99.465	80.290,115	1.478.746,894	18,418	17,950	54	50	89.613	4.974,347	63.083,583	12,682	12,215
5	1	99.074	75.805,244	1.398.456,779	18,448	17,981	55	51	88.779	4.671,174	58.109,235	12,440	11,973
6	2	99.025	71.817,742	1.322.651,536	18,417	17,950	56	52	87.870	4.382,306	53.438,061	12,194	11,727
7	3	98.994	68.052,298	1.250.833,794	18,380	17,913	57	53	86.918	4.108,854	49.055,756	11,939	11,472
8	4	98.965	64.485,512	1.182.781,496	18,342	17,875	58	54	85.894	3.848,758	44.946,902	11,678	11,211
9	5	98.940	61.108,547	1.118.295,984	18,300	17,833	59	55	84.780	3.600,777	41.098,144	11,414	10,947
10	6	98.918	57.909,801	1.057.187,437	18,256	17,789	60	56	83.571	3.364,395	37.497,366	11,145	10,678
11	7	98.900	54.880,592	999.277,636	18,208	17,741	61	57	82.298	3.140,438	34.132,972	10,869	10,402
12	8	98.877	52.007,473	944.397,044	18,159	17,692	62	58	80.947	2.927,839	30.992,534	10,585	10,118
13	9	98.855	49.285,014	892.389,571	18,107	17,640	63	59	79.472	2.724,637	28.064,695	10,300	9,833
14	10	98.835	46.706,578	843.104,557	18,051	17,584	64	60	77.925	2.532,334	25.340,058	10,007	9,539
15	11	98.809	44.259,748	796.397,979	17,994	17,527	65	61	76.273	2.349,432	22.807,724	9,708	9,241
16	12	98.776	41.938,538	752.138,231	17,934	17,467	66	62	74.516	2.175,636	20.458,293	9,403	8,936
17	13	98.730	39.733,568	710.199,693	17,874	17,407	67	63	72.630	2.010,026	18.282,656	9,096	8,629
18	14	98.670	37.639,414	670.466,124	17,813	17,346	68	64	70.591	1.851,746	16.272,631	8,788	8,321
19	15	98.584	35.645,954	632.826,711	17,753	17,286	69	65	68.418	1.701,184	14.420,885	8,477	8,010
20	16	98.487	33.754,389	597.180,757	17,692	17,225	70	66	66.112	1.558,142	12.719,700	8,163	7,696
21	17	98.391	31.963,587	563.426,368	17,627	17,160	71	67	63.645	1.421,798	11.161,559	7,850	7,383
22	18	98.293	30.266,822	531.462,781	17,559	17,092	72	68	61.014	1.291,969	9.739,760	7,539	7,072
23	19	98.190	28.659,056	501.195,958	17,488	17,021	73	69	58.193	1.167,989	8.447,791	7,233	6,766
24	20	98.090	27.137,323	472.536,902	17,413	16,946	74	70	55.222	1.050,584	7.279,802	6,929	6,462
25	21	97.988	25.695,798	445.399,580	17,334	16,866	75	71	52.126	939,983	6.229,218	6,627	6,160
26	22	97.893	24.332,436	419.703,781	17,249	16,782	76	72	48.910	836,007	5.289,236	6,327	5,860
27	23	97.796	23.041,186	395.371,345	17,159	16,692	77	73	45.632	739,319	4.453,228	6,023	5,556
28	24	97.701	21.818,674	372.330,159	17,065	16,598	78	74	42.256	648,924	3.713,909	5,723	5,256
29	25	97.602	20.660,392	350.511,485	16,965	16,498	79	75	38.787	564,605	3.064,986	5,429	4,961
30	26	97.510	19.564,720	329.851,094	16,859	16,392	80	76	35.266	486,580	2.500,381	5,139	4,671
31	27	97.411	18.526,023	310.286,374	16,749	16,281	81	77	31.700	414,577	2.013,801	4,857	4,390
32	28	97.306	17.541,230	291.760,351	16,633	16,166	82	78	28.150	348,966	1.599,223	4,583	4,116
33	29	97.197	16.608,206	274.219,121	16,511	16,044	83	79	24.563	288,617	1.250,258	4,332	3,865
34	30	97.084	15.723,962	257.610,915	16,383	15,916	84	80	21.132	235,360	961,641	4,086	3,619
35	31	96.959	14.885,119	241.886,953	16,250	15,783	85	81	17.886	188,821	726,281	3,846	3,379
36	32	96.823	14.089,318	227.001,833	16,112	15,644	86	82	14.926	149,362	537,459	3,598	3,131
37	33	96.679	13.334,985	212.912,515	15,966	15,499	87	83	12.112	114,884	388,097	3,378	2,911
38	34	96.524	12.619,481	199.577,530	15,815	15,348	88	84	9.556	85,911	273,213	3,180	2,713
39	35	96.346	11.939,511	186.958,048	15,659	15,192	89	85	7.333	62,494	187,303	2,997	2,530
40	36	96.148	11.293,844	175.018,537	15,497	15,030	90	86	5.493	44,367	124,809	2,813	2,346
41	37	95.928	10.680,587	163.724,693	15,329	14,862	91	87	3.981	30,478	80,442	2,639	2,172
42	38	95.687	10.098,351	153.044,106	15,155	14,688	92	88	2.765	20,063	49,964	2,490	2,023
43	39	95.409	9.544,104	142.945,756	14,977	14,510	93	89	1.849	12,719	29,901	2,351	1,884
44	40	95.097	9.016,928	133.401,651	14,795	14,327	94	90	1.185	7,726	17,182	2,224	1,757
45	41	94.759	8.516,505	124.384,724	14,605	14,138	95	91	728	4,497	9,456	2,103	1,636
46	42	94.374	8.039,722	115.868,219	14,412	13,945	96	92	423	2,478	4,959	2,001	1,534
47	43	93.948	7.586,182	107.828,496	14,214	13,747	97	93	234	1,300	2,481	1,909	1,441
48	44	93.475	7.154,444	100.242,315	14,011	13,544	98	94	123	0,647	1,181	1,824	1,357
49	45	92.963	6.744,377	93.087,870	13,802	13,335	99	95	61	0,305	0,534	1,748	1,281
							100	96	29	0,136	0,228	1,678	1,211

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 5 Jahre

Zinsfuß 5,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	45	92.546	6.364,082	86.834,262	13,644	13,177
1							51	46	91.942	5.992,893	80.470,180	13,428	12,960
2							52	47	91.301	5.640,889	74.477,287	13,203	12,736
3							53	48	90.589	5.305,119	68.836,398	12,975	12,508
4							54	49	89.829	4.986,348	63.531,279	12,741	12,274
5	0	99.452	76.094,169	1.399.529,708	18,392	17,925	55	50	89.004	4.683,006	58.544,931	12,502	12,034
6	1	99.061	71.843,472	1.323.435,539	18,421	17,954	56	51	88.115	4.394,510	53.861,925	12,257	11,789
7	2	99.014	68.065,755	1.251.592,067	18,388	17,921	57	52	87.182	4.121,314	49.467,415	12,003	11,536
8	3	98.982	64.496,583	1.183.526,312	18,350	17,883	58	53	86.166	3.860,949	45.346,101	11,745	11,278
9	4	98.953	61.116,440	1.119.029,729	18,310	17,843	59	54	85.076	3.613,345	41.485,151	11,481	11,014
10	5	98.931	57.917,373	1.057.913,289	18,266	17,799	60	55	83.888	3.377,184	37.871,806	11,214	10,747
11	6	98.909	54.885,649	999.995,916	18,220	17,752	61	56	82.630	3.153,097	34.494,623	10,940	10,473
12	7	98.886	52.012,003	945.110,267	18,171	17,704	62	57	81.310	2.940,965	31.341,526	10,657	10,190
13	8	98.864	49.289,746	893.098,264	18,119	17,652	63	58	79.856	2.737,821	28.400,561	10,373	9,906
14	9	98.842	46.709,596	843.808,519	18,065	17,598	64	59	78.323	2.545,273	25.662,740	10,083	9,615
15	10	98.817	44.263,470	797.098,923	18,008	17,541	65	60	76.695	2.362,435	23.117,467	9,785	9,318
16	11	98.786	41.942,472	752.835,453	17,949	17,482	66	61	74.938	2.187,949	20.755,032	9,486	9,019
17	12	98.738	39.736,943	710.892,981	17,890	17,423	67	62	73.090	2.022,755	18.567,083	9,179	8,712
18	13	98.680	37.643,061	671.156,038	17,829	17,362	68	63	71.074	1.864,427	16.544,328	8,874	8,406
19	14	98.596	35.650,108	633.512,977	17,770	17,303	69	64	68.922	1.713,716	14.679,901	8,566	8,099
20	15	98.505	33.760,421	597.862,869	17,709	17,242	70	65	66.656	1.570,972	12.966,184	8,254	7,786
21	16	98.412	31.970,357	564.102,448	17,645	17,177	71	66	64.226	1.434,793	11.395,212	7,942	7,475
22	17	98.314	30.273,483	532.132,090	17,577	17,110	72	67	61.641	1.305,237	9.960,419	7,631	7,164
23	18	98.219	28.667,301	501.858,607	17,506	17,039	73	68	58.866	1.181,503	8.655,182	7,326	6,858
24	19	98.117	27.144,847	473.191,306	17,432	16,965	74	69	55.936	1.064,161	7.473,680	7,023	6,556
25	20	98.019	25.703,917	446.046,459	17,353	16,886	75	70	52.878	953,536	6.409,519	6,722	6,255
26	21	97.916	24.338,391	420.342,542	17,271	16,804	76	71	49.716	849,784	5.455,983	6,420	5,953
27	22	97.823	23.047,426	396.004,151	17,182	16,715	77	72	46.470	752,893	4.606,199	6,118	5,651
28	23	97.726	21.824,368	372.956,725	17,089	16,622	78	73	43.134	662,419	3.853,306	5,817	5,350
29	24	97.629	20.666,006	351.132,357	16,991	16,524	79	74	39.691	577,755	3.190,888	5,523	5,056
30	25	97.534	19.569,536	330.466,351	16,887	16,420	80	75	36.204	499,532	2.613,132	5,231	4,764
31	26	97.438	18.531,210	310.896,816	16,777	16,310	81	76	32.645	426,937	2.113,600	4,951	4,483
32	27	97.334	17.546,344	292.365,605	16,662	16,195	82	77	29.097	360,700	1.686,664	4,676	4,209
33	28	97.226	16.613,137	274.819,261	16,542	16,075	83	78	25.508	299,726	1.325,964	4,424	3,957
34	29	97.112	15.728,566	258.206,124	16,416	15,949	84	79	22.060	245,695	1.026,238	4,177	3,710
35	30	96.991	14.889,995	242.477,558	16,285	15,817	85	80	18.802	198,491	780,543	3,932	3,465
36	31	96.858	14.094,353	227.587,563	16,147	15,680	86	81	15.807	158,179	582,052	3,680	3,213
37	32	96.714	13.339,729	213.493,210	16,004	15,537	87	82	12.949	122,821	423,873	3,451	2,984
38	33	96.563	12.624,526	200.153,482	15,854	15,387	88	83	10.293	92,542	301,051	3,253	2,786
39	34	96.391	11.945,111	187.528,956	15,699	15,232	89	84	7.974	67,955	208,509	3,068	2,601
40	35	96.197	11.299,629	175.583,845	15,539	15,072	90	85	6.015	48,585	140,554	2,893	2,426
41	36	95.982	10.686,630	164.284,216	15,373	14,906	91	86	4.427	33,895	91,969	2,713	2,246
42	37	95.746	10.104,547	153.597,586	15,201	14,734	92	87	3.134	22,744	58,074	2,553	2,086
43	38	95.476	9.550,785	143.493,039	15,024	14,557	93	88	2.129	14,645	35,330	2,412	1,945
44	39	95.173	9.024,149	133.942,254	14,843	14,375	94	89	1.391	9,070	20,685	2,281	1,813
45	40	94.842	8.523,921	124.918,105	14,655	14,188	95	90	870	5,376	11,615	2,161	1,693
46	41	94.468	8.047,677	116.394,184	14,463	13,996	96	91	521	3,050	6,239	2,046	1,579
47	42	94.054	7.594,723	108.346,507	14,266	13,799	97	92	295	1,636	3,189	1,950	1,482
48	43	93.596	7.163,743	100.751,783	14,064	13,597	98	93	159	0,834	1,553	1,862	1,395
49	44	93.093	6.753,779	93.588,040	13,857	13,390	99	94	81	0,404	0,719	1,782	1,315
							100	95	39	0,185	0,316	1,709	1,242

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 6 Jahre

Zinsfuß 5,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	44	92.675	6.372,953	87.285,797	13,696	13,229
1							51	45	92.088	6.002,413	80.912,844	13,480	13,013
2							52	46	91.465	5.651,038	74.910,431	13,256	12,789
3							53	47	90.766	5.315,456	69.259,393	13,030	12,563
4							54	48	90.020	4.996,941	63.943,937	12,797	12,329
5							55	49	89.219	4.694,304	58.946,995	12,557	12,090
6	0	99.438	72.117,297	1.324.429,638	18,365	17,898	56	50	88.338	4.405,642	54.252,692	12,314	11,847
7	1	99.049	68.090,141	1.252.312,341	18,392	17,925	57	51	87.425	4.132,792	49.847,050	12,061	11,594
8	2	99.002	64.509,337	1.184.222,200	18,357	17,890	58	52	86.427	3.872,657	45.714,258	11,804	11,337
9	3	98.970	61.126,932	1.119.712,863	18,318	17,851	59	53	85.345	3.624,791	41.841,601	11,543	11,076
10	4	98.944	57.924,854	1.058.585,931	18,275	17,808	60	54	84.181	3.388,971	38.216,811	11,277	10,810
11	5	98.922	54.892,825	1.000.661,077	18,229	17,762	61	55	82.944	3.165,083	34.827,839	11,004	10,537
12	6	98.895	52.016,796	945.768,252	18,182	17,715	62	56	81.637	2.952,819	31.662,757	10,723	10,256
13	7	98.873	49.294,039	893.751,456	18,131	17,664	63	57	80.214	2.750,095	28.709,937	10,440	9,972
14	8	98.851	46.714,080	844.457,418	18,077	17,610	64	58	78.702	2.557,590	25.959,842	10,150	9,683
15	9	98.824	44.266,330	797.743,337	18,021	17,554	65	59	77.087	2.374,507	23.402,253	9,856	9,388
16	10	98.794	41.945,999	753.477,007	17,963	17,496	66	60	75.352	2.200,058	21.027,746	9,558	9,091
17	11	98.748	39.740,670	711.531,008	17,904	17,437	67	61	73.504	2.034,202	18.827,688	9,256	8,788
18	12	98.688	37.646,258	671.790,338	17,845	17,378	68	62	71.524	1.876,234	16.793,486	8,951	8,483
19	13	98.605	35.653,563	634.144,080	17,786	17,319	69	63	69.394	1.725,453	14.917,251	8,645	8,178
20	14	98.516	33.764,356	598.490,517	17,726	17,258	70	64	67.147	1.582,545	13.191,799	8,336	7,869
21	15	98.430	31.976,071	564.726,162	17,661	17,194	71	65	64.755	1.446,608	11.609,254	8,025	7,558
22	16	98.335	30.279,896	532.750,091	17,594	17,127	72	66	62.204	1.317,166	10.162,646	7,716	7,248
23	17	98.240	28.673,609	502.470,195	17,524	17,057	73	67	59.470	1.193,636	8.845,480	7,411	6,943
24	18	98.146	27.152,656	473.796,586	17,449	16,982	74	68	56.583	1.076,473	7.651,844	7,108	6,641
25	19	98.046	25.711,044	446.643,930	17,372	16,904	75	69	53.561	965,858	6.575,371	6,808	6,341
26	20	97.947	24.346,081	420.932,886	17,290	16,822	76	70	50.433	862,037	5.609,513	6,507	6,040
27	21	97.846	23.053,066	396.586,805	17,203	16,736	77	71	47.236	765,300	4.747,476	6,203	5,736
28	22	97.753	21.830,278	373.533,739	17,111	16,644	78	72	43.926	674,581	3.982,176	5,903	5,436
29	23	97.654	20.671,399	351.703,460	17,014	16,547	79	73	40.516	589,770	3.307,595	5,608	5,141
30	24	97.560	19.574,854	331.032,061	16,911	16,444	80	74	37.048	511,167	2.717,825	5,317	4,850
31	25	97.462	18.535,772	311.457,207	16,803	16,336	81	75	33.514	438,301	2.206,658	5,035	4,567
32	26	97.361	17.551,258	292.921,436	16,689	16,222	82	76	29.964	371,453	1.768,357	4,761	4,293
33	27	97.254	16.617,980	275.370,178	16,571	16,103	83	77	26.366	309,804	1.396,904	4,509	4,042
34	28	97.141	15.733,236	258.752,198	16,446	15,979	84	78	22.909	255,152	1.087,100	4,261	3,793
35	29	97.019	14.894,354	243.018,962	16,316	15,849	85	79	19.627	207,207	831,948	4,015	3,548
36	30	96.889	14.098,969	228.124,607	16,180	15,713	86	80	16.617	166,280	624,741	3,757	3,290
37	31	96.748	13.344,495	214.025,638	16,038	15,571	87	81	13.714	130,072	458,461	3,525	3,057
38	32	96.597	12.629,016	200.681,143	15,890	15,423	88	82	11.004	98,936	328,389	3,319	2,852
39	33	96.429	11.949,886	188.052,127	15,737	15,270	89	83	8.590	73,200	229,453	3,135	2,667
40	34	96.242	11.304,929	176.102,241	15,577	15,110	90	84	6.540	52,831	156,253	2,958	2,490
41	35	96.032	10.692,103	164.797,312	15,413	14,946	91	85	4.848	37,118	103,422	2,786	2,319
42	36	95.800	10.110,264	154.105,208	15,242	14,775	92	86	3.485	25,294	66,305	2,621	2,154
43	37	95.535	9.556,645	143.994,944	15,068	14,600	93	87	2.413	16,602	41,010	2,470	2,003
44	38	95.240	9.030,466	134.438,299	14,887	14,420	94	88	1.602	10,444	24,408	2,337	1,870
45	39	94.918	8.530,748	125.407,833	14,701	14,233	95	89	1.021	6,311	13,965	2,213	1,746
46	40	94.550	8.054,685	116.877,085	14,510	14,043	96	90	622	3,646	7,654	2,099	1,632
47	41	94.147	7.602,238	108.822,400	14,315	13,847	97	91	363	2,013	4,008	1,991	1,524
48	42	93.702	7.171,809	101.220,162	14,114	13,646	98	92	199	1,050	1,995	1,900	1,433
49	43	93.214	6.762,557	94.048,353	13,907	13,440	99	93	104	0,520	0,945	1,817	1,350
							100	94	52	0,244	0,425	1,741	1,274

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 7 Jahre

Zinsfuß 5,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	43	92.796	6.381,236	87.701,117	13,744	13,276
1							51	44	92.216	6.010,780	81.319,881	13,529	13,062
2							52	45	91.611	5.660,015	75.309,101	13,305	12,838
3							53	46	90.929	5.325,019	69.649,086	13,080	12,612
4							54	47	90.195	5.006,678	64.324,066	12,848	12,380
5							55	48	89.408	4.704,277	59.317,389	12,609	12,142
6							56	49	88.551	4.416,270	54.613,112	12,366	11,899
7	0	99.427	68.349,660	1.253.233,322	18,336	17,868	57	50	87.646	4.143,260	50.196,842	12,115	11,648
8	1	99.037	64.532,449	1.184.883,662	18,361	17,894	58	51	86.668	3.883,442	46.053,581	11,859	11,392
9	2	98.990	61.139,020	1.120.351,213	18,325	17,857	59	52	85.604	3.635,782	42.170,139	11,599	11,131
10	3	98.961	57.934,798	1.059.212,193	18,283	17,816	60	53	84.448	3.399,706	38.534,357	11,335	10,867
11	4	98.935	54.899,916	1.001.277,394	18,238	17,771	61	54	83.234	3.176,130	35.134,651	11,062	10,595
12	5	98.908	52.023,597	946.377,479	18,191	17,724	62	55	81.948	2.964,044	31.958,521	10,782	10,315
13	6	98.882	49.298,581	894.353,882	18,142	17,674	63	56	80.538	2.761,181	28.994,477	10,501	10,034
14	7	98.860	46.718,149	845.055,301	18,088	17,621	64	57	79.055	2.569,056	26.233,297	10,211	9,744
15	8	98.833	44.270,580	798.337,152	18,033	17,566	65	58	77.460	2.385,997	23.664,241	9,918	9,451
16	9	98.800	41.948,710	754.066,572	17,976	17,509	66	59	75.737	2.211,300	21.278,245	9,623	9,155
17	10	98.756	39.744,012	712.117,863	17,918	17,450	67	60	73.910	2.045,461	19.066,944	9,322	8,854
18	11	98.698	37.649,789	672.373,850	17,859	17,391	68	61	71.929	1.886,852	17.021,484	9,021	8,554
19	12	98.614	35.656,591	634.724,061	17,801	17,334	69	62	69.834	1.736,380	15.134,631	8,716	8,249
20	13	98.526	33.767,627	599.067,471	17,741	17,274	70	63	67.607	1.593,383	13.398,252	8,409	7,941
21	14	98.441	31.979,797	565.299,843	17,677	17,210	71	64	65.232	1.457,264	11.804,869	8,101	7,634
22	15	98.353	30.285,307	533.320,046	17,610	17,143	72	65	62.716	1.328,012	10.347,604	7,792	7,325
23	16	98.261	28.679,683	503.034,739	17,540	17,073	73	66	60.014	1.204,545	9.019,592	7,488	7,021
24	17	98.167	27.158,632	474.355,056	17,466	16,999	74	67	57.164	1.087,527	7.815,047	7,186	6,719
25	18	98.075	25.718,440	447.196,425	17,388	16,921	75	68	54.181	977,033	6.727,520	6,886	6,418
26	19	97.975	24.352,832	421.477,984	17,307	16,840	76	69	51.085	873,177	5.750,486	6,586	6,119
27	20	97.877	23.060,350	397.125,153	17,221	16,754	77	70	47.917	776,335	4.877,309	6,282	5,815
28	21	97.776	21.835,621	374.064,803	17,131	16,664	78	71	44.650	685,697	4.100,975	5,981	5,514
29	22	97.681	20.676,997	352.229,182	17,035	16,568	79	72	41.260	600,599	3.415,277	5,686	5,219
30	23	97.586	19.579,962	331.552,184	16,933	16,466	80	73	37.818	521,797	2.814,678	5,394	4,927
31	24	97.489	18.540,809	311.972,222	16,826	16,359	81	74	34.294	448,509	2.292,882	5,112	4,645
32	25	97.385	17.555,577	293.431,413	16,714	16,247	82	75	30.762	381,340	1.844,372	4,837	4,369
33	26	97.282	16.622,634	275.875,836	16,596	16,129	83	76	27.152	319,040	1.463,032	4,586	4,119
34	27	97.169	15.737,823	259.253,202	16,473	16,006	84	77	23.679	263,732	1.143,992	4,338	3,871
35	28	97.048	14.898,777	243.515,380	16,345	15,877	85	78	20.383	215,182	880,260	4,091	3,624
36	29	96.918	14.103,097	228.616,603	16,210	15,743	86	79	17.347	173,582	665,078	3,831	3,364
37	30	96.780	13.348,866	214.513,506	16,070	15,603	87	80	14.416	136,733	491,496	3,595	3,127
38	31	96.631	12.633,529	201.164,640	15,923	15,456	88	81	11.654	104,776	354,763	3,386	2,919
39	32	96.464	11.954,137	188.531,111	15,771	15,304	89	82	9.183	78,257	249,987	3,194	2,727
40	33	96.281	11.309,448	176.576,974	15,613	15,146	90	83	7.045	56,909	171,730	3,018	2,550
41	34	96.077	10.697,118	165.267,526	15,450	14,983	91	84	5.272	40,361	114,821	2,845	2,378
42	35	95.849	10.115,443	154.570,407	15,281	14,813	92	85	3.817	27,699	74,459	2,688	2,221
43	36	95.589	9.562,052	144.454,965	15,107	14,640	93	86	2.684	18,463	46,760	2,533	2,065
44	37	95.298	9.036,007	134.892,912	14,928	14,461	94	87	1.816	11,839	28,297	2,390	1,923
45	38	94.984	8.536,719	125.856,905	14,743	14,276	95	88	1.176	7,267	16,458	2,265	1,798
46	39	94.626	8.061,136	117.320,186	14,554	14,087	96	89	731	4,280	9,191	2,147	1,680
47	40	94.229	7.608,858	109.259,050	14,359	13,892	97	90	433	2,407	4,911	2,040	1,573
48	41	93.794	7.178,905	101.650,193	14,160	13,692	98	91	245	1,292	2,504	1,938	1,471
49	42	93.319	6.770,171	94.471,287	13,954	13,487	99	92	131	0,654	1,212	1,852	1,385
							100	93	66	0,314	0,557	1,773	1,306

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 8 Jahre

Zinsfuß 5,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	42	92.900	6.388,421	88.082,526	13,788	13,321
1							51	43	92.336	6.018,592	81.694,105	13,574	13,106
2							52	44	91.738	5.667,905	75.675,513	13,352	12,884
3							53	45	91.073	5.333,478	70.007,609	13,126	12,659
4							54	46	90.357	5.015,686	64.674,130	12,894	12,427
5							55	47	89.583	4.713,443	59.658,445	12,657	12,190
6							56	48	88.739	4.425,652	54.945,002	12,415	11,948
7							57	49	87.858	4.153,256	50.519,349	12,164	11,697
8	0	99.415	64.778,408	1.185.736,880	18,305	17,837	58	50	86.888	3.893,279	46.366,093	11,909	11,442
9	1	99.025	61.160,925	1.120.958,471	18,328	17,861	59	51	85.842	3.645,908	42.472,814	11,649	11,182
10	2	98.981	57.946,255	1.059.797,547	18,289	17,822	60	52	84.704	3.410,015	38.826,906	11,386	10,919
11	3	98.952	54.909,341	1.001.851,292	18,246	17,778	61	53	83.497	3.186,190	35.416,891	11,116	10,649
12	4	98.920	52.030,317	946.941,951	18,200	17,733	62	54	82.234	2.974,389	32.230,701	10,836	10,369
13	5	98.895	49.305,026	894.911,634	18,151	17,683	63	55	80.844	2.771,676	29.256,312	10,555	10,088
14	6	98.869	46.722,454	845.606,608	18,099	17,631	64	56	79.374	2.579,411	26.484,635	10,268	9,801
15	7	98.842	44.274,436	798.884,154	18,044	17,577	65	57	77.808	2.396,693	23.905,224	9,974	9,507
16	8	98.810	41.952,737	754.609,718	17,987	17,520	66	58	76.104	2.222,000	21.508,531	9,680	9,213
17	9	98.762	39.746,581	712.656,981	17,930	17,463	67	59	74.288	2.055,913	19.286,530	9,381	8,914
18	10	98.706	37.652,955	672.910,401	17,871	17,404	68	60	72.327	1.897,296	17.230,618	9,082	8,614
19	11	98.623	35.659,935	635.257,446	17,814	17,347	69	61	70.229	1.746,206	15.333,322	8,781	8,314
20	12	98.534	33.770,495	599.597,511	17,755	17,288	70	62	68.035	1.603,474	13.587,116	8,474	8,006
21	13	98.451	31.982,896	565.827,015	17,692	17,224	71	63	65.679	1.467,244	11.983,642	8,167	7,700
22	14	98.364	30.288,836	533.844,119	17,625	17,158	72	64	63.178	1.337,795	10.516,398	7,861	7,394
23	15	98.279	28.684,808	503.555,283	17,555	17,088	73	65	60.508	1.214,464	9.178,603	7,558	7,091
24	16	98.188	27.164,384	474.870,475	17,481	17,014	74	66	57.686	1.097,467	7.964,139	7,257	6,790
25	17	98.096	25.724,100	447.706,091	17,404	16,937	75	67	54.737	987,067	6.866,672	6,957	6,489
26	18	98.003	24.359,837	421.981,991	17,323	16,856	76	68	51.676	883,279	5.879,605	6,657	6,189
27	19	97.905	23.066,744	397.622,153	17,238	16,771	77	69	48.536	786,367	4.996,326	6,354	5,886
28	20	97.807	21.842,520	374.555,409	17,148	16,681	78	70	45.294	695,584	4.209,958	6,052	5,585
29	21	97.705	20.682,058	352.712,889	17,054	16,587	79	71	41.940	610,496	3.514,374	5,757	5,289
30	22	97.612	19.585,265	332.030,831	16,953	16,486	80	72	38.512	531,377	2.903,878	5,465	4,998
31	23	97.514	18.545,647	312.445,566	16,847	16,380	81	73	35.007	457,837	2.372,501	5,182	4,715
32	24	97.412	17.560,348	293.899,919	16,737	16,269	82	74	31.478	390,222	1.914,664	4,907	4,439
33	25	97.306	16.626,725	276.339,571	16,620	16,153	83	75	27.875	327,532	1.524,442	4,654	4,187
34	26	97.196	15.742,230	259.712,846	16,498	16,031	84	76	24.385	271,594	1.196,909	4,407	3,940
35	27	97.076	14.903,120	243.970,616	16,370	15,903	85	77	21.068	222,418	925,316	4,160	3,693
36	28	96.946	14.107,285	229.067,496	16,238	15,770	86	78	18.014	180,263	702,898	3,899	3,432
37	29	96.808	13.352,774	214.960,212	16,099	15,631	87	79	15.049	142,738	522,635	3,662	3,194
38	30	96.663	12.637,667	201.607,437	15,953	15,486	88	80	12.251	110,142	379,898	3,449	2,982
39	31	96.498	11.958,408	188.969,770	15,802	15,335	89	81	9.725	82,877	269,756	3,255	2,788
40	32	96.315	11.313,471	177.011,362	15,646	15,179	90	82	7.532	60,841	186,879	3,072	2,604
41	33	96.115	10.701,395	165.697,891	15,484	15,017	91	83	5.678	43,477	126,038	2,899	2,432
42	34	95.894	10.120,187	154.996,496	15,316	14,848	92	84	4.150	30,120	82,561	2,741	2,274
43	35	95.638	9.566,950	144.876,309	15,143	14,676	93	85	2.939	20,219	52,441	2,594	2,127
44	36	95.352	9.041,120	135.309,359	14,966	14,499	94	86	2.019	13,166	32,223	2,447	1,980
45	37	95.043	8.541,957	126.268,240	14,782	14,315	95	87	1.333	8,238	19,056	2,313	1,846
46	38	94.692	8.066,778	117.726,282	14,594	14,127	96	88	841	4,928	10,818	2,195	1,728
47	39	94.305	7.614,952	109.659,504	14,401	13,933	97	89	509	2,825	5,890	2,085	1,617
48	40	93.876	7.185,156	102.044,552	14,202	13,735	98	90	293	1,545	3,064	1,984	1,517
49	41	93.411	6.776,870	94.859,396	13,998	13,530	99	91	161	0,805	1,520	1,887	1,420
							100	92	84	0,396	0,714	1,806	1,339

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 9 Jahre

Zinsfuß 5,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	41	92.992	6.394,742	88.432,389	13,829	13,362
1							51	42	92.440	6.025,369	82.037,647	13,615	13,148
2							52	43	91.857	5.675,271	76.012,278	13,394	12,926
3							53	44	91.200	5.340,913	70.337,007	13,169	12,702
4							54	45	90.501	5.023,653	64.996,094	12,938	12,471
5							55	46	89.744	4.721,923	59.972,440	12,701	12,234
6							56	47	88.912	4.434,276	55.250,517	12,460	11,993
7							57	48	88.044	4.162,079	50.816,242	12,209	11,742
8							58	49	87.097	3.902,672	46.654,162	11,954	11,487
9	0	99.403	61.394,034	1.121.748,946	18,271	17,804	59	50	86.060	3.655,143	42.751,491	11,696	11,229
10	1	99.016	57.967,015	1.060.354,912	18,292	17,825	60	51	84.940	3.419,512	39.096,348	11,433	10,966
11	2	98.971	54.920,199	1.002.387,897	18,252	17,785	61	52	83.750	3.195,852	35.676,836	11,163	10,696
12	3	98.937	52.039,249	947.467,698	18,207	17,740	62	53	82.494	2.983,811	32.480,983	10,886	10,419
13	4	98.908	49.311,395	895.428,449	18,159	17,691	63	54	81.126	2.781,351	29.497,173	10,605	10,138
14	5	98.882	46.728,563	846.117,053	18,107	17,640	64	55	79.676	2.589,216	26.715,822	10,318	9,851
15	6	98.851	44.278,516	799.388,491	18,054	17,586	65	56	78.121	2.406,354	24.126,606	10,026	9,559
16	7	98.818	41.956,391	755.109,975	17,997	17,530	66	57	76.445	2.231,962	21.720,251	9,731	9,264
17	8	98.772	39.750,396	713.153,584	17,941	17,474	67	58	74.648	2.065,861	19.488,290	9,433	8,966
18	9	98.712	37.655,388	673.403,188	17,883	17,416	68	59	72.697	1.906,990	17.422,429	9,136	8,669
19	10	98.631	35.662,934	635.747,800	17,827	17,359	69	60	70.617	1.755,871	15.515,438	8,836	8,369
20	11	98.543	33.773,663	600.084,866	17,768	17,301	70	61	68.420	1.612,548	13.759,568	8,533	8,066
21	12	98.459	31.985,612	566.311,203	17,705	17,238	71	62	66.095	1.476,536	12.147,020	8,227	7,760
22	13	98.374	30.291,771	534.325,591	17,639	17,172	72	63	63.611	1.346,957	10.670,484	7,922	7,455
23	14	98.290	28.688,151	504.033,820	17,569	17,102	73	64	60.954	1.223,411	9.323,526	7,621	7,154
24	15	98.206	27.169,239	475.345,668	17,496	17,029	74	65	58.161	1.106,504	8.100,116	7,320	6,853
25	16	98.117	25.729,549	448.176,430	17,419	16,952	75	66	55.237	996,088	6.993,612	7,021	6,554
26	17	98.024	24.365,198	422.446,881	17,338	16,871	76	67	52.206	892,350	5.997,524	6,721	6,254
27	18	97.933	23.073,380	398.081,683	17,253	16,786	77	68	49.098	795,466	5.105,174	6,418	5,951
28	19	97.834	21.848,577	375.008,303	17,164	16,697	78	69	45.879	704,573	4.309,708	6,117	5,650
29	20	97.735	20.688,592	353.159,726	17,070	16,603	79	70	42.545	619,299	3.605,135	5,821	5,354
30	21	97.636	19.590,058	332.471,134	16,971	16,504	80	71	39.147	540,134	2.985,836	5,528	5,061
31	22	97.541	18.550,670	312.881,076	16,866	16,399	81	72	35.650	466,243	2.445,702	5,246	4,778
32	23	97.437	17.564,931	294.330,406	16,757	16,290	82	73	32.133	398,338	1.979,460	4,969	4,502
33	24	97.332	16.631,243	276.765,475	16,641	16,174	83	74	28.524	335,161	1.581,122	4,718	4,250
34	25	97.220	15.746,104	260.134,232	16,521	16,053	84	75	25.034	278,823	1.245,961	4,469	4,001
35	26	97.104	14.907,293	244.388,127	16,394	15,927	85	76	21.696	229,049	967,138	4,222	3,755
36	27	96.975	14.111,397	229.480,834	16,262	15,795	86	77	18.620	186,324	738,090	3,961	3,494
37	28	96.837	13.356,739	215.369,437	16,124	15,657	87	78	15.628	148,231	551,765	3,722	3,255
38	29	96.691	12.641,367	202.012,698	15,980	15,513	88	79	12.789	114,978	403,534	3,510	3,042
39	30	96.530	11.962,325	189.371,331	15,831	15,363	89	80	10.223	87,121	288,556	3,312	2,845
40	31	96.349	11.317,514	177.409,006	15,676	15,208	90	81	7.977	64,432	201,434	3,126	2,659
41	32	96.149	10.705,201	166.091,492	15,515	15,048	91	82	6.071	46,480	137,002	2,948	2,480
42	33	95.932	10.124,232	155.386,291	15,348	14,881	92	83	4.471	32,445	90,521	2,790	2,323
43	34	95.683	9.571,437	145.262,059	15,177	14,709	93	84	3.196	21,986	58,077	2,642	2,174
44	35	95.401	9.045,751	135.690,621	15,000	14,533	94	85	2.211	14,418	36,091	2,503	2,036
45	36	95.096	8.546,790	126.644,870	14,818	14,351	95	86	1.482	9,162	21,673	2,366	1,898
46	37	94.750	8.071,728	118.098,080	14,631	14,164	96	87	954	5,587	12,511	2,239	1,772
47	38	94.371	7.620,282	110.026,352	14,439	13,971	97	88	586	3,253	6,924	2,128	1,661
48	39	93.951	7.190,911	102.406,070	14,241	13,774	98	89	345	1,813	3,671	2,024	1,557
49	40	93.493	6.782,771	95.215,159	14,038	13,571	99	90	193	0,963	1,858	1,930	1,462
							100	91	103	0,487	0,895	1,838	1,371

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 10 Jahre

Zinsfuß 5,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	40	93.073	6.400,310	88.752,986	13,867	13,400
1							51	41	92.531	6.031,331	82.352,676	13,654	13,187
2							52	42	91.961	5.681,661	76.321,346	13,433	12,966
3							53	43	91.319	5.347,855	70.639,684	13,209	12,742
4							54	44	90.627	5.030,656	65.291,830	12,979	12,512
5							55	45	89.886	4.729,424	60.261,174	12,742	12,275
6							56	46	89.072	4.442,254	55.531,750	12,501	12,034
7							57	47	88.216	4.170,189	51.089,496	12,251	11,784
8							58	48	87.282	3.910,963	46.919,307	11,997	11,530
9							59	49	86.267	3.663,961	43.008,345	11,738	11,271
10	0	99.393	58.187,951	1.061.087,334	18,236	17,768	60	50	85.155	3.428,174	39.344,383	11,477	11,010
11	1	99.007	54.939,875	1.002.899,383	18,254	17,787	61	51	83.984	3.204,753	35.916,210	11,207	10,740
12	2	98.957	52.049,540	947.959,508	18,213	17,745	62	52	82.744	2.992,859	32.711,457	10,930	10,463
13	3	98.924	49.319,861	895.909,968	18,165	17,698	63	53	81.383	2.790,161	29.718,598	10,651	10,184
14	4	98.895	46.734,599	846.590,107	18,115	17,648	64	54	79.954	2.598,254	26.928,437	10,364	9,897
15	5	98.864	44.284,305	799.855,508	18,062	17,595	65	55	78.418	2.415,501	24.330,184	10,073	9,605
16	6	98.827	41.960,257	755.571,203	18,007	17,540	66	56	76.753	2.240,959	21.914,683	9,779	9,312
17	7	98.780	39.753,858	713.610,946	17,951	17,484	67	57	74.982	2.075,122	19.673,724	9,481	9,014
18	8	98.722	37.659,003	673.857,088	17,894	17,426	68	58	73.049	1.916,218	17.598,601	9,184	8,717
19	9	98.637	35.665,238	636.198,084	17,838	17,371	69	59	70.978	1.764,843	15.682,383	8,886	8,419
20	10	98.552	33.776,503	600.532,846	17,780	17,312	70	60	68.799	1.621,473	13.917,540	8,583	8,116
21	11	98.468	31.988,612	566.756,343	17,717	17,250	71	61	66.469	1.484,892	12.296,068	8,281	7,814
22	12	98.382	30.294,344	534.767,731	17,652	17,185	72	62	64.014	1.355,487	10.811,176	7,976	7,509
23	13	98.299	28.690,931	504.473,387	17,583	17,116	73	63	61.371	1.231,789	9.455,688	7,676	7,209
24	14	98.217	27.172,405	475.782,456	17,510	17,043	74	64	58.590	1.114,655	8.223,899	7,378	6,911
25	15	98.134	25.734,147	448.610,051	17,432	16,965	75	65	55.692	1.004,290	7.109,244	7,079	6,612
26	16	98.045	24.370,359	422.875,904	17,352	16,885	76	66	52.683	900,506	6.104,954	6,779	6,312
27	17	97.954	23.078,458	398.505,545	17,267	16,800	77	67	49.602	803,635	5.204,448	6,476	6,009
28	18	97.863	21.854,862	375.427,087	17,178	16,711	78	68	46.410	712,725	4.400,813	6,175	5,707
29	19	97.763	20.694,329	353.572,225	17,085	16,618	79	69	43.094	627,302	3.688,088	5,879	5,412
30	20	97.667	19.596,248	332.877,896	16,987	16,520	80	70	39.711	547,922	3.060,787	5,586	5,119
31	21	97.565	18.555,210	313.281,649	16,884	16,417	81	71	36.238	473,926	2.512,865	5,302	4,835
32	22	97.464	17.569,688	294.726,439	16,775	16,308	82	72	32.723	405,651	2.038,939	5,026	4,559
33	23	97.357	16.635,584	277.156,751	16,660	16,193	83	73	29.117	342,131	1.633,288	4,774	4,307
34	24	97.247	15.750,383	260.521,167	16,541	16,073	84	74	25.617	285,317	1.291,157	4,525	4,058
35	25	97.127	14.910,962	244.770,784	16,415	15,948	85	75	22.274	235,146	1.005,839	4,278	3,810
36	26	97.002	14.115,349	229.859,822	16,284	15,817	86	76	19.175	191,879	770,694	4,017	3,549
37	27	96.865	13.360,633	215.744,473	16,148	15,681	87	77	16.154	153,216	578,815	3,778	3,311
38	28	96.720	12.645,121	202.383,840	16,005	15,538	88	78	13.281	119,404	425,600	3,564	3,097
39	29	96.558	11.965,827	189.738,720	15,857	15,390	89	79	10.672	90,947	306,196	3,367	2,900
40	30	96.381	11.321,221	177.772,892	15,703	15,235	90	80	8.385	67,732	215,249	3,178	2,711
41	31	96.184	10.709,026	166.451,672	15,543	15,076	91	81	6.429	49,224	147,517	2,997	2,530
42	32	95.967	10.127,834	155.742,645	15,378	14,910	92	82	4.780	34,686	98,292	2,834	2,367
43	33	95.721	9.575,264	145.614,812	15,207	14,740	93	83	3.443	23,683	63,606	2,686	2,219
44	34	95.446	9.049,993	136.039,548	15,032	14,565	94	84	2.405	15,678	39,923	2,546	2,079
45	35	95.145	8.551,168	126.989,555	14,851	14,383	95	85	1.623	10,033	24,245	2,417	1,949
46	36	94.804	8.076,295	118.438,387	14,665	14,198	96	86	1.061	6,213	14,212	2,287	1,820
47	37	94.428	7.624,958	110.362,092	14,474	14,007	97	87	664	3,688	7,999	2,169	1,702
48	38	94.017	7.195,944	102.737,134	14,277	13,810	98	88	397	2,088	4,311	2,065	1,597
49	39	93.568	6.788,203	95.541,189	14,075	13,607	99	89	227	1,130	2,223	1,967	1,500
							100	90	123	0,582	1,093	1,878	1,410

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 11 Jahre

Zinsfuß 5,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	39	93.148	6.405,436	89.046,721	13,902	13,435
1							51	40	92.612	6.036,582	82.641,285	13,690	13,223
2							52	41	92.052	5.687,283	76.604,702	13,469	13,002
3							53	42	91.422	5.353,876	70.917,419	13,246	12,779
4							54	43	90.745	5.037,194	65.563,543	13,016	12,549
5							55	44	90.012	4.736,012	60.526,349	12,780	12,313
6							56	45	89.213	4.449,310	55.790,332	12,539	12,072
7							57	46	88.374	4.177,692	51.341,022	12,289	11,822
8							58	47	87.452	3.918,583	47.163,330	12,036	11,569
9							59	48	86.451	3.671,745	43.244,747	11,778	11,311
10							60	49	85.360	3.436,444	39.573,002	11,516	11,048
11	0	99.384	55.149,274	1.003.578,115	18,197	17,730	61	50	84.196	3.212,870	36.136,558	11,247	10,780
12	1	98.992	52.068,188	948.428,841	18,215	17,748	62	51	82.975	3.001,194	32.923,687	10,970	10,503
13	2	98.944	49.329,614	896.360,653	18,171	17,704	63	52	81.630	2.798,622	29.922,493	10,692	10,225
14	3	98.912	46.742,622	847.031,039	18,121	17,654	64	53	80.207	2.606,484	27.123,872	10,406	9,939
15	4	98.876	44.290,025	800.288,417	18,069	17,602	65	54	78.692	2.423,932	24.517,388	10,115	9,648
16	5	98.840	41.965,743	755.998,392	18,015	17,547	66	55	77.045	2.249,477	22.093,456	9,822	9,354
17	6	98.790	39.757,522	714.032,649	17,960	17,493	67	56	75.285	2.083,487	19.843,979	9,524	9,057
18	7	98.730	37.662,283	674.275,127	17,903	17,436	68	57	73.376	1.924,809	17.760,492	9,227	8,760
19	8	98.647	35.668,662	636.612,844	17,848	17,381	69	58	71.322	1.773,383	15.835,683	8,930	8,462
20	9	98.558	33.778,686	600.944,182	17,791	17,323	70	59	69.151	1.629,758	14.062,300	8,628	8,161
21	10	98.477	31.991,302	567.165,496	17,729	17,262	71	60	66.837	1.493,110	12.432,542	8,327	7,859
22	11	98.391	30.297,185	535.174,194	17,664	17,197	72	61	64.376	1.363,158	10.939,431	8,025	7,558
23	12	98.308	28.693,368	504.877,008	17,596	17,128	73	62	61.760	1.239,590	9.576,273	7,725	7,258
24	13	98.227	27.175,038	476.183,641	17,523	17,056	74	63	58.991	1.122,289	8.336,684	7,428	6,961
25	14	98.146	25.737,146	449.008,603	17,446	16,979	75	64	56.102	1.011,689	7.214,395	7,131	6,664
26	15	98.063	24.374,714	423.271,457	17,365	16,898	76	65	53.117	907,921	6.202,706	6,832	6,365
27	16	97.975	23.083,346	398.896,742	17,281	16,814	77	66	50.055	810,979	5.294,785	6,529	6,062
28	17	97.884	21.859,671	375.813,396	17,192	16,725	78	67	46.887	720,044	4.483,806	6,227	5,760
29	18	97.791	20.700,282	353.953,725	17,099	16,632	79	68	43.593	634,560	3.763,762	5,931	5,464
30	19	97.694	19.601,681	333.253,443	17,001	16,534	80	69	40.225	555,003	3.129,202	5,638	5,171
31	20	97.595	18.561,072	313.651,762	16,898	16,431	81	70	36.760	480,759	2.574,199	5,354	4,887
32	21	97.488	17.573,988	295.090,689	16,791	16,324	82	71	33.262	412,336	2.093,440	5,077	4,610
33	22	97.384	16.640,089	277.516,702	16,678	16,210	83	72	29.652	348,413	1.681,104	4,825	4,358
34	23	97.272	15.754,494	260.876,613	16,559	16,092	84	73	26.150	291,251	1.332,691	4,576	4,109
35	24	97.154	14.915,015	245.122,119	16,435	15,967	85	74	22.793	240,622	1.041,441	4,328	3,861
36	25	97.026	14.118,823	230.207,104	16,305	15,838	86	75	19.686	196,986	800,818	4,065	3,598
37	26	96.892	13.364,374	216.088,281	16,169	15,702	87	76	16.635	157,783	603,832	3,827	3,360
38	27	96.748	12.648,807	202.723,907	16,027	15,560	88	77	13.728	123,419	446,049	3,614	3,147
39	28	96.587	11.969,380	190.075,100	15,880	15,413	89	78	11.083	94,448	322,630	3,416	2,949
40	29	96.409	11.324,535	178.105,720	15,727	15,260	90	79	8.753	70,706	228,182	3,227	2,760
41	30	96.215	10.712,534	166.781,185	15,569	15,102	91	80	6.758	51,745	157,476	3,043	2,576
42	31	96.001	10.131,453	156.068,651	15,404	14,937	92	81	5.062	36,734	105,731	2,878	2,411
43	32	95.755	9.578,669	145.937,198	15,236	14,768	93	82	3.681	25,319	68,997	2,725	2,258
44	33	95.484	9.053,611	136.358,529	15,061	14,594	94	83	2.590	16,888	43,678	2,586	2,119
45	34	95.190	8.555,179	127.304,918	14,880	14,413	95	84	1.765	10,910	26,790	2,456	1,988
46	35	94.852	8.080,432	118.749,739	14,696	14,229	96	85	1.161	6,804	15,880	2,334	1,867
47	36	94.482	7.629,272	110.669,307	14,506	14,039	97	86	739	4,102	9,076	2,213	1,746
48	37	94.075	7.200,360	103.040,035	14,310	13,843	98	87	450	2,367	4,975	2,102	1,634
49	38	93.633	6.792,955	95.839,675	14,109	13,642	99	88	261	1,301	2,607	2,004	1,536
							100	89	144	0,683	1,306	1,912	1,445

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 12 Jahre

Zinsfuß 5,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	38	93.213	6.409,920	89.315,586	13,934	13,467
1							51	39	92.686	6.041,417	82.905,666	13,723	13,256
2							52	40	92.132	5.692,233	76.864,249	13,503	13,036
3							53	41	91.512	5.359,173	71.172,014	13,280	12,813
4							54	42	90.847	5.042,866	65.812,840	13,051	12,583
5							55	43	90.129	4.742,172	60.769,974	12,815	12,348
6							56	44	89.338	4.455,512	56.027,802	12,575	12,108
7							57	45	88.515	4.184,328	51.572,290	12,325	11,858
8							58	46	87.610	3.925,633	47.387,962	12,071	11,604
9							59	47	86.619	3.678,899	43.462,328	11,814	11,347
10							60	48	85.542	3.443,745	39.783,429	11,552	11,085
11							61	49	84.399	3.220,621	36.339,684	11,283	10,816
12	0	99.370	52.266,641	949.057,926	18,158	17,691	62	50	83.185	3.008,796	33.119,063	11,007	10,540
13	1	98.980	49.347,287	896.791,285	18,173	17,706	63	51	81.857	2.806,416	30.110,267	10,729	10,262
14	2	98.931	46.751,865	847.443,997	18,126	17,659	64	52	80.450	2.614,388	27.303,851	10,444	9,977
15	3	98.893	44.297,629	800.692,132	18,075	17,608	65	53	78.941	2.431,610	24.689,464	10,154	9,686
16	4	98.853	41.971,164	756.394,503	18,022	17,555	66	54	77.314	2.257,329	22.257,853	9,860	9,393
17	5	98.802	39.762,720	714.423,340	17,967	17,500	67	55	75.571	2.091,407	20.000,525	9,563	9,096
18	6	98.740	37.665,754	674.660,620	17,912	17,445	68	56	73.672	1.932,567	17.909,118	9,267	8,800
19	7	98.656	35.671,769	636.994,866	17,857	17,390	69	57	71.642	1.781,333	15.976,551	8,969	8,502
20	8	98.567	33.781,929	601.323,097	17,800	17,333	70	58	69.485	1.637,645	14.195,217	8,668	8,201
21	9	98.483	31.993,370	567.541,168	17,739	17,272	71	59	67.178	1.500,740	12.557,573	8,368	7,900
22	10	98.400	30.299,733	535.547,799	17,675	17,208	72	60	64.732	1.370,703	11.056,833	8,067	7,599
23	11	98.317	28.696,059	505.248,066	17,607	17,140	73	61	62.110	1.246,605	9.686,130	7,770	7,303
24	12	98.235	27.177,346	476.552,007	17,535	17,068	74	62	59.365	1.129,396	8.439,525	7,473	7,005
25	13	98.155	25.739,640	449.374,661	17,458	16,991	75	63	56.487	1.018,617	7.310,129	7,177	6,709
26	14	98.074	24.377,555	423.635,021	17,378	16,911	76	64	53.508	914,609	6.291,512	6,879	6,412
27	15	97.992	23.087,471	399.257,466	17,293	16,826	77	65	50.467	817,657	5.376,903	6,576	6,109
28	16	97.905	21.864,302	376.169,995	17,205	16,738	78	66	47.315	726,625	4.559,245	6,275	5,807
29	17	97.812	20.704,838	354.305,693	17,112	16,645	79	67	44.041	641,076	3.832,620	5,978	5,511
30	18	97.722	19.607,320	333.600,855	17,014	16,547	80	68	40.690	561,424	3.191,544	5,685	5,218
31	19	97.622	18.566,219	313.993,535	16,912	16,445	81	69	37.235	486,972	2.630,120	5,401	4,934
32	20	97.518	17.579,540	295.427,316	16,805	16,338	82	70	33.742	418,281	2.143,148	5,124	4,657
33	21	97.408	16.644,161	277.847,776	16,693	16,226	83	71	30.140	354,154	1.724,867	4,870	4,403
34	22	97.298	15.758,760	261.203,615	16,575	16,108	84	72	26.630	296,598	1.370,713	4,621	4,154
35	23	97.179	14.918,907	245.444,854	16,452	15,985	85	73	23.267	245,626	1.074,115	4,373	3,906
36	24	97.052	14.122,660	230.525,947	16,323	15,856	86	74	20.144	201,574	828,488	4,110	3,643
37	25	96.916	13.367,664	216.403,288	16,189	15,721	87	75	17.078	161,983	626,914	3,870	3,403
38	26	96.775	12.652,349	203.035,624	16,047	15,580	88	76	14.137	127,098	464,931	3,658	3,191
39	27	96.615	11.972,869	190.383,275	15,901	15,434	89	77	11.456	97,624	337,833	3,461	2,993
40	28	96.438	11.327,898	178.410,406	15,750	15,282	90	78	9.090	73,428	240,209	3,271	2,804
41	29	96.243	10.715,670	167.082,508	15,592	15,125	91	79	7.055	54,017	166,781	3,088	2,620
42	30	96.032	10.134,771	156.366,838	15,429	14,962	92	80	5.321	38,615	112,764	2,920	2,453
43	31	95.789	9.582,092	146.232,067	15,261	14,794	93	81	3.898	26,814	74,149	2,765	2,298
44	32	95.518	9.056,831	136.649,974	15,088	14,621	94	82	2.769	18,055	47,335	2,622	2,155
45	33	95.228	8.558,599	127.593,143	14,908	14,441	95	83	1.901	11,752	29,280	2,492	2,024
46	34	94.897	8.084,222	119.034,544	14,724	14,257	96	84	1.263	7,399	17,528	2,369	1,902
47	35	94.530	7.633,180	110.950,322	14,535	14,068	97	85	809	4,492	10,130	2,255	1,788
48	36	94.128	7.204,434	103.317,142	14,341	13,874	98	86	500	2,632	5,638	2,142	1,675
49	37	93.691	6.797,123	96.112,709	14,140	13,673	99	87	296	1,475	3,006	2,037	1,570
							100	88	166	0,787	1,531	1,946	1,478

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 13 Jahre

Zinsfuß 5,50%

Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	37	93.270	6.413,853	89.561,484	13,964	13,497
1							51	38	92.751	6.045,646	83.147,631	13,753	13,286
2							52	39	92.206	5.696,794	77.101,985	13,534	13,067
3							53	40	91.592	5.363,840	71.405,191	13,312	12,845
4							54	41	90.937	5.047,856	66.041,351	13,083	12,616
5							55	42	90.230	4.747,512	60.993,495	12,847	12,380
6							56	43	89.454	4.461,303	56.245,984	12,608	12,140
7							57	44	88.638	4.190,161	51.784,681	12,359	11,891
8							58	45	87.749	3.931,869	47.594,520	12,105	11,638
9							59	46	86.775	3.685,518	43.662,650	11,847	11,380
10							60	47	85.709	3.450,455	39.977,132	11,586	11,119
11							61	48	84.579	3.227,463	36.526,677	11,317	10,850
12							62	49	83.386	3.016,055	33.299,214	11,041	10,573
13	0	99.357	49.535,370	897.374,484	18,116	17,649	63	50	82.065	2.813,524	30.283,159	10,763	10,296
14	1	98.967	46.768,615	847.839,114	18,128	17,661	64	51	80.674	2.621,669	27.469,635	10,478	10,011
15	2	98.913	44.306,389	801.070,499	18,080	17,613	65	52	79.181	2.438,984	24.847,966	10,188	9,721
16	3	98.870	41.978,369	756.764,110	18,027	17,560	66	53	77.559	2.264,479	22.408,982	9,896	9,429
17	4	98.815	39.767,856	714.785,741	17,974	17,507	67	54	75.834	2.098,707	20.144,503	9,599	9,131
18	5	98.752	37.670,678	675.017,885	17,919	17,452	68	55	73.952	1.939,914	18.045,797	9,302	8,835
19	6	98.665	35.675,056	637.347,207	17,865	17,398	69	56	71.930	1.788,514	16.105,883	9,005	8,538
20	7	98.576	33.784,871	601.672,150	17,809	17,342	70	57	69.797	1.644,986	14.317,370	8,704	8,236
21	8	98.493	31.996,441	567.887,279	17,748	17,281	71	58	67.504	1.508,002	12.672,383	8,403	7,936
22	9	98.406	30.301,691	535.890,838	17,685	17,218	72	59	65.063	1.377,707	11.164,381	8,104	7,636
23	10	98.325	28.698,472	505.589,147	17,617	17,150	73	60	62.453	1.253,504	9.786,675	7,807	7,340
24	11	98.244	27.179,895	476.890,675	17,546	17,079	74	61	59.701	1.135,788	8.533,170	7,513	7,046
25	12	98.164	25.741,826	449.710,780	17,470	17,003	75	62	56.844	1.025,068	7.397,383	7,216	6,749
26	13	98.084	24.379,917	423.968,954	17,390	16,923	76	63	53.875	920,873	6.372,315	6,920	6,453
27	14	98.004	23.090,162	399.589,037	17,306	16,838	77	64	50.839	823,681	5.451,442	6,618	6,151
28	15	97.922	21.868,209	376.498,875	17,217	16,750	78	65	47.705	732,608	4.627,761	6,317	5,850
29	16	97.833	20.709,223	354.630,666	17,124	16,657	79	66	44.443	646,935	3.895,153	6,021	5,554
30	17	97.743	19.611,635	333.921,443	17,027	16,560	80	67	41.108	567,190	3.248,218	5,727	5,260
31	18	97.651	18.571,560	314.309,808	16,924	16,457	81	68	37.666	492,606	2.681,028	5,443	4,975
32	19	97.545	17.584,415	295.738,248	16,818	16,351	82	69	34.178	423,687	2.188,422	5,165	4,698
33	20	97.438	16.649,420	278.153,833	16,707	16,239	83	70	30.575	359,261	1.764,735	4,912	4,445
34	21	97.322	15.762,617	261.504,413	16,590	16,123	84	71	27.069	301,486	1.405,474	4,662	4,195
35	22	97.205	14.922,947	245.741,796	16,467	16,000	85	72	23.694	250,136	1.103,989	4,414	3,946
36	23	97.077	14.126,345	230.818,849	16,340	15,872	86	73	20.563	205,766	853,852	4,150	3,682
37	24	96.943	13.371,296	216.692,503	16,206	15,739	87	74	17.476	165,756	648,086	3,910	3,443
38	25	96.799	12.655,463	203.321,207	16,066	15,599	88	75	14.513	130,481	482,330	3,697	3,229
39	26	96.642	11.976,222	190.665,744	15,920	15,453	89	76	11.797	100,534	351,849	3,500	3,033
40	27	96.466	11.331,200	178.689,522	15,770	15,303	90	77	9.396	75,897	251,315	3,311	2,844
41	28	96.272	10.718,852	167.358,322	15,613	15,146	91	78	7.327	56,097	175,418	3,127	2,660
42	29	96.060	10.137,738	156.639,470	15,451	14,984	92	79	5.555	40,311	119,322	2,960	2,493
43	30	95.820	9.585,231	146.501,731	15,284	14,817	93	80	4.098	28,187	79,011	2,803	2,336
44	31	95.552	9.060,068	136.916,501	15,112	14,645	94	81	2.933	19,121	50,824	2,658	2,191
45	32	95.262	8.561,643	127.856,433	14,934	14,466	95	82	2.033	12,564	31,703	2,523	2,056
46	33	94.935	8.087,453	119.294,790	14,751	14,283	96	83	1.360	7,970	19,140	2,402	1,934
47	34	94.575	7.636,760	111.207,337	14,562	14,095	97	84	880	4,884	11,170	2,287	1,820
48	35	94.176	7.208,124	103.570,576	14,369	13,901	98	85	548	2,883	6,286	2,181	1,713
49	36	93.744	6.800,968	96.362,453	14,169	13,702	99	86	329	1,641	3,403	2,074	1,607
							100	87	189	0,892	1,763	1,976	1,509

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 14 Jahre

Zinsfuß 5,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	36	93.323	6.417,482	89.786,382	13,991	13,524
1							51	37	92.808	6.049,356	83.368,900	13,781	13,314
2							52	38	92.270	5.700,782	77.319,544	13,563	13,096
3							53	39	91.665	5.368,136	71.618,762	13,341	12,874
4							54	40	91.016	5.052,251	66.250,627	13,113	12,646
5							55	41	90.319	4.752,209	61.198,376	12,878	12,411
6							56	42	89.555	4.466,327	56.446,167	12,638	12,171
7							57	43	88.753	4.195,607	51.979,840	12,389	11,922
8							58	44	87.871	3.937,350	47.784,233	12,136	11,669
9							59	45	86.913	3.691,373	43.846,883	11,878	11,411
10							60	46	85.863	3.456,663	40.155,510	11,617	11,150
11							61	47	84.744	3.233,752	36.698,847	11,349	10,882
12							62	48	83.563	3.022,462	33.465,095	11,072	10,605
13							63	49	82.263	2.820,312	30.442,633	10,794	10,327
14	0	99.344	46.946,869	848.379,905	18,071	17,604	64	50	80.879	2.628,309	27.622,321	10,510	10,042
15	1	98.948	44.322,262	801.433,036	18,082	17,615	65	51	79.401	2.445,776	24.994,012	10,219	9,752
16	2	98.890	41.986,670	757.110,774	18,032	17,565	66	52	77.794	2.271,346	22.548,235	9,927	9,460
17	3	98.832	39.774,683	715.124,103	17,979	17,512	67	53	76.075	2.105,354	20.276,890	9,631	9,164
18	4	98.765	37.675,544	675.349,420	17,925	17,458	68	54	74.210	1.946,685	18.171,535	9,335	8,867
19	5	98.678	35.679,720	637.673,875	17,872	17,405	69	55	72.204	1.795,312	16.224,851	9,037	8,570
20	6	98.585	33.787,984	601.994,155	17,817	17,350	70	56	70.078	1.651,617	14.429,539	8,737	8,269
21	7	98.501	31.999,228	568.206,171	17,757	17,290	71	57	67.806	1.514,762	12.777,922	8,436	7,968
22	8	98.415	30.304,600	536.206,943	17,694	17,227	72	58	65.378	1.384,373	11.263,159	8,136	7,669
23	9	98.332	28.700,327	505.902,343	17,627	17,160	73	59	62.772	1.259,909	9.878,786	7,841	7,374
24	10	98.252	27.182,181	477.202,016	17,556	17,089	74	60	60.031	1.142,074	8.618,877	7,547	7,080
25	11	98.173	25.744,240	450.019,835	17,480	17,013	75	61	57.166	1.030,869	7.476,803	7,253	6,786
26	12	98.092	24.381,988	424.275,595	17,401	16,934	76	62	54.216	926,705	6.445,934	6,956	6,489
27	13	98.013	23.092,399	399.893,607	17,317	16,850	77	63	51.187	829,322	5.519,229	6,655	6,188
28	14	97.934	21.870,757	376.801,208	17,229	16,761	78	64	48.056	738,005	4.689,907	6,355	5,888
29	15	97.850	20.712,924	354.930,450	17,136	16,669	79	65	44.809	652,263	3.951,902	6,059	5,592
30	16	97.764	19.615,789	334.217,526	17,038	16,571	80	66	41.484	572,373	3.299,640	5,765	5,298
31	17	97.672	18.575,647	314.601,737	16,936	16,469	81	67	38.053	497,665	2.727,266	5,480	5,013
32	18	97.573	17.589,473	296.026,090	16,830	16,363	82	68	34.573	428,589	2.229,601	5,202	4,735
33	19	97.465	16.654,037	278.436,617	16,719	16,252	83	69	30.970	363,903	1.801,012	4,949	4,482
34	20	97.353	15.767,597	261.782,580	16,603	16,135	84	70	27.459	305,833	1.437,109	4,699	4,232
35	21	97.229	14.926,599	246.014,983	16,482	16,014	85	71	24.084	254,258	1.131,276	4,449	3,982
36	22	97.104	14.130,171	231.088,383	16,354	15,887	86	72	20.940	209,544	877,018	4,185	3,718
37	23	96.968	13.374,786	216.958,212	16,221	15,754	87	73	17.839	169,203	667,474	3,945	3,478
38	24	96.825	12.658,902	203.583,427	16,082	15,615	88	74	14.851	133,520	498,271	3,732	3,265
39	25	96.666	11.979,170	190.924,525	15,938	15,471	89	75	12.111	103,210	364,751	3,534	3,067
40	26	96.493	11.334,373	178.945,355	15,788	15,321	90	76	9.676	78,159	261,541	3,346	2,879
41	27	96.300	10.721,977	167.610,982	15,632	15,165	91	77	7.573	57,983	183,381	3,163	2,695
42	28	96.089	10.140,748	156.889,005	15,471	15,004	92	78	5.768	41,862	125,398	2,996	2,528
43	29	95.849	9.588,037	146.748,256	15,305	14,838	93	79	4.277	29,424	83,536	2,839	2,372
44	30	95.583	9.063,035	137.160,219	15,134	14,667	94	80	3.083	20,100	54,112	2,692	2,225
45	31	95.296	8.564,702	128.097,184	14,956	14,489	95	81	2.153	13,305	34,011	2,556	2,089
46	32	94.968	8.090,330	119.532,482	14,775	14,308	96	82	1.454	8,520	20,706	2,430	1,963
47	33	94.612	7.639,813	111.442,151	14,587	14,120	97	83	947	5,261	12,186	2,316	1,849
48	34	94.220	7.211,505	103.802,339	14,394	13,927	98	84	596	3,135	6,925	2,209	1,742
49	35	93.792	6.804,452	96.590,834	14,195	13,728	99	85	360	1,797	3,790	2,110	1,642
							100	86	210	0,992	1,994	2,010	1,543

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 15 Jahre

Zinsfuß 5,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	35	93.371	6.420,769	89.992,025	14,016	13,549
1							51	36	92.860	6.052,778	83.571,256	13,807	13,340
2							52	37	92.327	5.704,280	77.518,478	13,590	13,122
3							53	38	91.729	5.371,893	71.814,198	13,369	12,901
4							54	39	91.089	5.056,297	66.442,305	13,141	12,673
5							55	40	90.398	4.756,347	61.386,007	12,906	12,439
6							56	41	89.643	4.470,746	56.629,660	12,667	12,200
7							57	42	88.853	4.200,331	52.158,914	12,418	11,951
8							58	43	87.985	3.942,468	47.958,583	12,165	11,697
9							59	44	87.034	3.696,518	44.016,116	11,907	11,440
10							60	45	85.999	3.462,154	40.319,597	11,646	11,179
11							61	46	84.896	3.239,570	36.857,444	11,377	10,910
12							62	47	83.726	3.028,351	33.617,873	11,101	10,634
13							63	48	82.437	2.826,304	30.589,522	10,823	10,356
14							64	49	81.074	2.634,650	27.763,218	10,538	10,071
15	0	99.326	44.491,193	801.934,624	18,025	17,557	65	50	79.602	2.451,972	25.128,568	10,248	9,781
16	1	98.925	42.001,713	757.443,432	18,034	17,566	66	51	78.011	2.277,671	22.676,597	9,956	9,489
17	2	98.852	39.782,549	715.441,718	17,984	17,517	67	52	76.305	2.111,739	20.398,926	9,660	9,193
18	3	98.782	37.682,012	675.659,170	17,931	17,463	68	53	74.445	1.952,851	18.287,187	9,364	8,897
19	4	98.690	35.684,329	637.977,157	17,878	17,411	69	54	72.456	1.801,578	16.334,336	9,067	8,599
20	5	98.598	33.792,402	602.292,828	17,823	17,356	70	55	70.344	1.657,895	14.532,758	8,766	8,299
21	6	98.510	32.002,177	568.500,426	17,764	17,297	71	56	68.079	1.520,868	12.874,862	8,465	7,998
22	7	98.424	30.307,240	536.498,250	17,702	17,235	72	57	65.671	1.390,580	11.353,994	8,165	7,698
23	8	98.341	28.703,082	506.191,010	17,635	17,168	73	58	63.076	1.266,006	9.963,414	7,870	7,403
24	9	98.259	27.183,937	477.487,928	17,565	17,098	74	59	60.338	1.147,910	8.697,408	7,577	7,110
25	10	98.181	25.746,406	450.303,991	17,490	17,023	75	60	57.482	1.036,574	7.549,499	7,283	6,816
26	11	98.101	24.384,274	424.557,585	17,411	16,944	76	61	54.523	931,949	6.512,924	6,988	6,521
27	12	98.022	23.094,361	400.173,311	17,328	16,861	77	62	51.511	834,574	5.580,975	6,687	6,220
28	13	97.943	21.872,877	377.078,950	17,240	16,772	78	63	48.386	743,060	4.746,402	6,388	5,920
29	14	97.862	20.715,338	355.206,074	17,147	16,680	79	64	45.139	657,068	4.003,342	6,093	5,626
30	15	97.782	19.619,295	334.490,736	17,049	16,582	80	65	41.825	577,087	3.346,275	5,799	5,331
31	16	97.693	18.579,582	314.871,441	16,947	16,480	81	66	38.401	502,213	2.769,188	5,514	5,047
32	17	97.595	17.593,344	296.291,859	16,841	16,374	82	67	34.928	432,990	2.266,975	5,236	4,768
33	18	97.493	16.658,828	278.698,515	16,730	16,263	83	68	31.328	368,114	1.833,985	4,982	4,515
34	19	97.380	15.771,969	262.039,687	16,614	16,147	84	69	27.814	309,785	1.465,871	4,732	4,265
35	20	97.260	14.931,315	246.267,718	16,493	16,026	85	70	24.432	257,924	1.156,086	4,482	4,015
36	21	97.128	14.133,629	231.336,403	16,368	15,901	86	71	21.286	212,997	898,162	4,217	3,750
37	22	96.994	13.378,408	217.202,773	16,235	15,768	87	72	18.167	172,310	685,164	3,976	3,509
38	23	96.851	12.662,206	203.824,366	16,097	15,630	88	73	15.160	136,297	512,855	3,763	3,296
39	24	96.692	11.982,425	191.162,160	15,954	15,486	89	74	12.393	105,614	376,558	3,565	3,098
40	25	96.517	11.337,163	179.179,735	15,805	15,337	90	75	9.934	80,240	270,944	3,377	2,909
41	26	96.327	10.724,979	167.842,572	15,650	15,183	91	76	7.799	59,711	190,704	3,194	2,727
42	27	96.117	10.143,705	157.117,592	15,489	15,022	92	77	5.962	43,270	130,993	3,027	2,560
43	28	95.877	9.590,884	146.973,888	15,324	14,857	93	78	4.442	30,557	87,723	2,871	2,404
44	29	95.611	9.065,689	137.383,004	15,154	14,687	94	79	3.218	20,983	57,166	2,724	2,257
45	30	95.327	8.567,508	128.317,315	14,977	14,510	95	80	2.263	13,987	36,183	2,587	2,120
46	31	95.002	8.093,221	119.749,808	14,796	14,329	96	81	1.540	9,023	22,196	2,460	1,993
47	32	94.646	7.642,530	111.656,586	14,610	14,143	97	82	1.013	5,625	13,173	2,342	1,875
48	33	94.258	7.214,387	104.014,056	14,418	13,950	98	83	642	3,377	7,548	2,236	1,768
49	34	93.836	6.807,644	96.799,669	14,219	13,752	99	84	392	1,954	4,172	2,135	1,668
							100	85	230	1,086	2,218	2,042	1,575

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 16 Jahre

Zinsfuß 5,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	34	93.414	6.423,781	90.180,056	14,038	13,571
1							51	35	92.908	6.055,879	83.756,275	13,831	13,363
2							52	36	92.379	5.707,507	77.700,396	13,614	13,147
3							53	37	91.786	5.375,190	71.992,889	13,394	12,926
4							54	38	91.153	5.059,837	66.617,700	13,166	12,699
5							55	39	90.470	4.760,156	61.557,863	12,932	12,465
6							56	40	89.721	4.474,639	56.797,706	12,693	12,226
7							57	41	88.941	4.204,487	52.323,068	12,445	11,977
8							58	42	88.085	3.946,907	48.118,581	12,191	11,724
9							59	43	87.147	3.701,323	44.171,674	11,934	11,467
10							60	44	86.119	3.466,980	40.470,351	11,673	11,206
11							61	45	85.031	3.244,716	37.003,372	11,404	10,937
12							62	46	83.876	3.033,800	33.758,655	11,128	10,660
13							63	47	82.598	2.831,811	30.724,855	10,850	10,383
14							64	48	81.246	2.640,247	27.893,045	10,565	10,097
15							65	49	79.794	2.457,887	25.252,797	10,274	9,807
16	0	99.302	42.161,799	757.908,775	17,976	17,509	66	50	78.208	2.283,441	22.794,910	9,983	9,516
17	1	98.887	39.796,802	715.746,976	17,985	17,518	67	51	76.518	2.117,620	20.511,470	9,686	9,219
18	2	98.802	37.689,464	675.950,174	17,935	17,468	68	52	74.671	1.958,773	18.393,850	9,390	8,923
19	3	98.707	35.690,455	638.260,710	17,883	17,416	69	53	72.685	1.807,285	16.435,077	9,094	8,627
20	4	98.611	33.796,767	602.570,255	17,829	17,362	70	54	70.590	1.663,682	14.627,792	8,792	8,325
21	5	98.523	32.006,361	568.773,488	17,771	17,303	71	55	68.338	1.526,649	12.964,110	8,492	8,025
22	6	98.433	30.310,032	536.767,127	17,709	17,242	72	56	65.936	1.396,185	11.437,461	8,192	7,725
23	7	98.350	28.705,582	506.457,095	17,643	17,176	73	57	63.359	1.271,682	10.041,276	7,896	7,429
24	8	98.268	27.186,547	477.751,513	17,573	17,106	74	58	60.630	1.153,464	8.769,594	7,603	7,136
25	9	98.187	25.748,069	450.564,966	17,499	17,032	75	59	57.776	1.041,871	7.616,130	7,310	6,843
26	10	98.109	24.386,325	424.816,897	17,420	16,953	76	60	54.825	937,107	6.574,259	7,015	6,548
27	11	98.031	23.096,527	400.430,571	17,337	16,870	77	61	51.803	839,297	5.637,152	6,717	6,249
28	12	97.952	21.874,734	377.334,045	17,250	16,783	78	62	48.692	747,765	4.797,855	6,416	5,949
29	13	97.871	20.717,345	355.459,310	17,158	16,690	79	63	45.448	661,567	4.050,090	6,122	5,655
30	14	97.793	19.621,581	334.741,965	17,060	16,593	80	64	42.133	581,338	3.388,523	5,829	5,362
31	15	97.710	18.582,902	315.120,384	16,958	16,490	81	65	38.717	506,349	2.807,185	5,544	5,077
32	16	97.616	17.597,071	296.537,482	16,852	16,384	82	66	35.248	436,947	2.300,836	5,266	4,799
33	17	97.515	16.662,494	278.940,411	16,741	16,273	83	67	31.650	371,894	1.863,889	5,012	4,545
34	18	97.408	15.776,507	262.277,918	16,625	16,157	84	68	28.136	313,369	1.491,995	4,761	4,294
35	19	97.287	14.935,456	246.501,411	16,504	16,037	85	69	24.747	261,257	1.178,626	4,511	4,044
36	20	97.158	14.138,095	231.565,956	16,379	15,912	86	70	21.592	216,068	917,368	4,246	3,779
37	21	97.018	13.381,682	217.427,861	16,248	15,781	87	71	18.466	175,149	701,300	4,004	3,537
38	22	96.877	12.665,635	204.046,179	16,110	15,643	88	72	15.438	138,799	526,150	3,791	3,324
39	23	96.717	11.985,552	191.380,544	15,968	15,500	89	73	12.651	107,810	387,351	3,593	3,126
40	24	96.543	11.340,244	179.394,992	15,819	15,352	90	74	10.165	82,109	279,541	3,405	2,937
41	25	96.351	10.727,619	168.054,748	15,666	15,198	91	75	8.006	61,301	197,432	3,221	2,754
42	26	96.144	10.146,545	157.327,129	15,505	15,038	92	76	6.140	44,560	136,131	3,055	2,588
43	27	95.905	9.593,680	147.180,584	15,341	14,874	93	77	4.591	31,584	91,571	2,899	2,432
44	28	95.640	9.068,380	137.586,904	15,172	14,705	94	78	3.342	21,791	59,987	2,753	2,286
45	29	95.355	8.570,016	128.518,523	14,996	14,529	95	79	2.362	14,601	38,196	2,616	2,149
46	30	95.034	8.095,872	119.948,507	14,816	14,349	96	80	1.619	9,485	23,596	2,488	2,020
47	31	94.680	7.645,261	111.852,635	14,630	14,163	97	81	1.073	5,957	14,110	2,369	1,902
48	32	94.291	7.216,954	104.207,374	14,439	13,972	98	82	686	3,610	8,154	2,259	1,792
49	33	93.873	6.810,365	96.990,421	14,242	13,774	99	83	422	2,104	4,544	2,159	1,692
							100	84	250	1,181	2,439	2,066	1,598

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 17 Jahre

Zinsfuß 5,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	33	93.452	6.426,348	90.351,787	14,060	13,592
1							51	34	92.951	6.058,719	83.925,438	13,852	13,385
2							52	35	92.427	5.710,431	77.866,719	13,636	13,169
3							53	36	91.837	5.378,231	72.156,289	13,416	12,949
4							54	37	91.209	5.062,942	66.778,058	13,190	12,722
5							55	38	90.534	4.763,488	61.715,116	12,956	12,489
6							56	39	89.793	4.478,222	56.951,628	12,717	12,250
7							57	40	89.019	4.208,148	52.473,405	12,469	12,002
8							58	41	88.172	3.950,812	48.265,257	12,217	11,749
9							59	42	87.245	3.705,490	44.314,446	11,959	11,492
10							60	43	86.231	3.471,486	40.608,955	11,698	11,231
11							61	44	85.149	3.249,239	37.137,469	11,430	10,962
12							62	45	84.010	3.038,619	33.888,230	11,153	10,685
13							63	46	82.747	2.836,906	30.849,611	10,874	10,407
14							64	47	81.404	2.645,392	28.012,705	10,589	10,122
15							65	48	79.964	2.463,109	25.367,314	10,299	9,832
16							66	49	78.397	2.288,950	22.904,205	10,006	9,539
17	0	99.264	39.948,484	716.178,789	17,928	17,460	67	50	76.712	2.122,984	20.615,255	9,711	9,243
18	1	98.837	37.702,967	676.230,306	17,936	17,469	68	51	74.879	1.964,228	18.492,272	9,415	8,947
19	2	98.727	35.697,513	638.527,339	17,887	17,420	69	52	72.906	1.812,765	16.528,044	9,118	8,650
20	3	98.628	33.802,569	602.829,825	17,834	17,367	70	53	70.813	1.668,952	14.715,279	8,817	8,350
21	4	98.536	32.010,495	569.027,257	17,776	17,309	71	54	68.577	1.531,978	13.046,327	8,516	8,049
22	5	98.446	30.313,995	537.016,761	17,715	17,248	72	55	66.186	1.401,492	11.514,349	8,216	7,749
23	6	98.359	28.708,227	506.702,766	17,650	17,183	73	56	63.614	1.276,808	10.112,857	7,920	7,453
24	7	98.277	27.188,915	477.994,539	17,580	17,113	74	57	60.902	1.158,635	8.836,049	7,626	7,159
25	8	98.197	25.750,541	450.805,624	17,507	17,039	75	58	58.056	1.046,913	7.677,414	7,333	6,866
26	9	98.116	24.387,901	425.055,083	17,429	16,962	76	59	55.105	941,896	6.630,501	7,040	6,572
27	10	98.039	23.098,469	400.667,182	17,346	16,879	77	60	52.090	843,942	5.688,605	6,741	6,273
28	11	97.961	21.876,786	377.568,713	17,259	16,792	78	61	48.967	751,997	4.844,664	6,442	5,975
29	12	97.880	20.719,105	355.691,927	17,167	16,700	79	62	45.736	665,757	4.092,667	6,147	5,680
30	13	97.802	19.623,482	334.972,822	17,070	16,603	80	63	42.422	585,319	3.426,910	5,855	5,388
31	14	97.722	18.585,067	315.349,340	16,968	16,501	81	64	39.002	510,079	2.841,591	5,571	5,104
32	15	97.633	17.600,216	296.764,272	16,861	16,394	82	65	35.538	440,545	2.331,512	5,292	4,825
33	16	97.536	16.666,023	279.164,057	16,750	16,283	83	66	31.939	375,293	1.890,966	5,039	4,571
34	17	97.429	15.779,978	262.498,034	16,635	16,168	84	67	28.425	316,587	1.515,673	4,788	4,320
35	18	97.315	14.939,752	246.718,055	16,514	16,047	85	68	25.034	264,280	1.199,086	4,537	4,070
36	19	97.185	14.142,015	231.778,303	16,389	15,922	86	69	21.872	218,861	934,806	4,271	3,804
37	20	97.049	13.385,910	217.636,288	16,259	15,791	87	70	18.732	177,675	715,945	4,030	3,562
38	21	96.901	12.668,735	204.250,378	16,122	15,655	88	71	15.693	141,087	538,271	3,815	3,348
39	22	96.743	11.988,798	191.581,643	15,980	15,513	89	72	12.883	109,790	397,184	3,618	3,150
40	23	96.568	11.343,203	179.592,845	15,833	15,365	90	73	10.376	83,816	287,394	3,429	2,962
41	24	96.377	10.730,534	168.249,642	15,680	15,212	91	74	8.193	62,729	203,578	3,245	2,778
42	25	96.168	10.149,043	157.519,108	15,521	15,053	92	75	6.303	45,746	140,849	3,079	2,612
43	26	95.932	9.596,366	147.370,065	15,357	14,890	93	76	4.728	32,526	95,103	2,924	2,457
44	27	95.668	9.071,024	137.773,699	15,188	14,721	94	77	3.454	22,523	62,577	2,778	2,311
45	28	95.383	8.572,561	128.702,675	15,013	14,546	95	78	2.453	15,163	40,054	2,642	2,174
46	29	95.061	8.098,242	120.130,114	14,834	14,367	96	79	1.690	9,902	24,891	2,514	2,047
47	30	94.711	7.647,765	112.031,872	14,649	14,182	97	80	1.128	6,262	14,989	2,394	1,927
48	31	94.325	7.219,532	104.384,107	14,459	13,991	98	81	726	3,823	8,728	2,283	1,816
49	32	93.906	6.812,787	97.164,574	14,262	13,795	99	82	451	2,250	4,905	2,180	1,713
							100	83	269	1,272	2,655	2,087	1,620

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 18 Jahre

Zinsfuß 5,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	32	93.485	6.428,634	90.508,555	14,079	13,612
1							51	33	92.989	6.061,141	84.079,921	13,872	13,405
2							52	34	92.470	5.713,109	78.018,780	13,656	13,189
3							53	35	91.884	5.380,986	72.305,671	13,437	12,970
4							54	36	91.260	5.065,806	66.924,685	13,211	12,744
5							55	37	90.589	4.766,411	61.858,879	12,978	12,511
6							56	38	89.856	4.481,357	57.092,468	12,740	12,273
7							57	39	89.090	4.211,518	52.611,110	12,492	12,025
8							58	40	88.248	3.954,252	48.399,592	12,240	11,773
9							59	41	87.331	3.709,157	44.445,340	11,983	11,515
10							60	42	86.328	3.475,395	40.736,183	11,721	11,254
11							61	43	85.260	3.253,462	37.260,789	11,453	10,985
12							62	44	84.127	3.042,855	34.007,326	11,176	10,709
13							63	45	82.878	2.841,412	30.964,471	10,898	10,430
14							64	46	81.551	2.650,151	28.123,059	10,612	10,145
15							65	47	80.120	2.467,908	25.472,908	10,322	9,854
16							66	48	78.563	2.293,812	23.005,000	10,029	9,562
17							67	49	76.897	2.128,106	20.711,188	9,732	9,265
18	0	99.214	37.846,669	676.631,097	17,878	17,411	68	50	75.069	1.969,203	18.583,082	9,437	8,970
19	1	98.762	35.710,303	638.784,429	17,888	17,421	69	51	73.109	1.817,814	16.613,879	9,139	8,672
20	2	98.647	33.809,253	603.074,126	17,838	17,370	70	52	71.028	1.674,013	14.796,065	8,839	8,371
21	3	98.553	32.015,991	569.264,873	17,781	17,313	71	53	68.794	1.536,831	13.122,053	8,538	8,071
22	4	98.459	30.317,911	537.248,882	17,721	17,253	72	54	66.417	1.406,384	11.585,222	8,238	7,770
23	5	98.372	28.711,981	506.930,971	17,656	17,189	73	55	63.856	1.281,661	10.178,838	7,942	7,475
24	6	98.286	27.191,420	478.218,991	17,587	17,120	74	56	61.147	1.163,306	8.897,177	7,648	7,181
25	7	98.205	25.752,784	451.027,570	17,514	17,047	75	57	58.316	1.051,606	7.733,871	7,354	6,887
26	8	98.125	24.390,242	425.274,786	17,436	16,969	76	58	55.371	946,453	6.682,265	7,060	6,593
27	9	98.046	23.099,962	400.884,544	17,354	16,887	77	59	52.356	848,254	5.735,812	6,762	6,295
28	10	97.969	21.878,626	377.784,582	17,267	16,800	78	60	49.239	756,159	4.887,558	6,464	5,996
29	11	97.889	20.721,048	355.905,957	17,176	16,709	79	61	45.995	669,525	4.131,399	6,171	5,703
30	12	97.811	19.625,149	335.184,908	17,079	16,612	80	62	42.690	589,026	3.461,874	5,877	5,410
31	13	97.731	18.586,868	315.559,759	16,978	16,510	81	63	39.269	513,572	2.872,849	5,594	5,127
32	14	97.644	17.602,267	296.972,891	16,871	16,404	82	64	35.800	443,791	2.359,276	5,316	4,849
33	15	97.553	16.669,001	279.370,624	16,760	16,293	83	65	32.202	378,383	1.915,485	5,062	4,595
34	16	97.450	15.783,321	262.701,623	16,644	16,177	84	66	28.685	319,481	1.537,102	4,811	4,344
35	17	97.336	14.943,040	246.918,302	16,524	16,057	85	67	25.291	266,994	1.217,621	4,560	4,093
36	18	97.213	14.146,083	231.975,262	16,399	15,931	86	68	22.125	221,393	950,627	4,294	3,827
37	19	97.075	13.389,622	217.829,179	16,269	15,801	87	69	18.974	179,971	729,234	4,052	3,585
38	20	96.931	12.672,737	204.439,557	16,132	15,665	88	70	15.919	143,121	549,264	3,838	3,371
39	21	96.767	11.991,732	191.766,820	15,992	15,524	89	71	13.096	111,599	406,143	3,639	3,172
40	22	96.594	11.346,275	179.775,088	15,844	15,377	90	72	10.567	85,355	294,544	3,451	2,984
41	23	96.402	10.733,335	168.428,812	15,692	15,225	91	73	8.363	64,033	209,189	3,267	2,800
42	24	96.194	10.151,801	157.695,478	15,534	15,067	92	74	6.450	46,811	145,156	3,101	2,634
43	25	95.955	9.598,728	147.543,677	15,371	14,904	93	75	4.854	33,392	98,344	2,945	2,478
44	26	95.694	9.073,564	137.944,949	15,203	14,736	94	76	3.557	23,195	64,952	2,800	2,333
45	27	95.411	8.575,060	128.871,385	15,029	14,561	95	77	2.536	15,673	41,758	2,664	2,197
46	28	95.090	8.100,647	120.296,325	14,850	14,383	96	78	1.755	10,283	26,085	2,537	2,070
47	29	94.739	7.650,004	112.195,678	14,666	14,199	97	79	1.177	6,537	15,802	2,417	1,950
48	30	94.356	7.221,897	104.545,674	14,476	14,009	98	80	764	4,019	9,265	2,306	1,838
49	31	93.940	6.815,222	97.323,777	14,280	13,813	99	81	478	2,383	5,247	2,202	1,735
							100	82	288	1,360	2,864	2,106	1,639

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 19 Jahre

Zinsfuß 5,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	31	93.518	6.430,931	90.651,853	14,096	13,629
1							51	32	93.022	6.063,297	84.220,922	13,890	13,423
2							52	33	92.507	5.715,393	78.157,625	13,675	13,208
3							53	34	91.928	5.383,510	72.442,232	13,456	12,989
4							54	35	91.307	5.068,401	67.058,723	13,231	12,764
5							55	36	90.641	4.769,108	61.990,322	12,998	12,531
6							56	37	89.911	4.484,107	57.221,214	12,761	12,294
7							57	38	89.152	4.214,466	52.737,107	12,513	12,046
8							58	39	88.319	3.957,419	48.522,640	12,261	11,794
9							59	40	87.407	3.712,387	44.565,221	12,004	11,537
10							60	41	86.413	3.478,833	40.852,835	11,743	11,276
11							61	42	85.356	3.257,126	37.374,001	11,475	11,007
12							62	43	84.236	3.046,810	34.116,876	11,198	10,730
13							63	44	82.994	2.845,373	31.070,066	10,920	10,452
14							64	45	81.680	2.654,361	28.224,693	10,633	10,166
15							65	46	80.264	2.472,348	25.570,332	10,343	9,875
16							66	47	78.716	2.298,282	23.097,984	10,050	9,583
17							67	48	77.060	2.132,627	20.799,703	9,753	9,286
18							68	49	75.250	1.973,954	18.667,076	9,457	8,990
19	0	99.139	35.846,409	639.156,494	17,830	17,363	69	50	73.294	1.822,418	16.693,122	9,160	8,693
20	1	98.683	33.821,366	603.310,085	17,838	17,371	70	51	71.226	1.678,675	14.870,704	8,859	8,391
21	2	98.572	32.022,322	569.488,719	17,784	17,317	71	52	69.003	1.541,491	13.192,029	8,558	8,091
22	3	98.475	30.323,116	537.466,397	17,725	17,257	72	53	66.628	1.410,839	11.650,538	8,258	7,791
23	4	98.384	28.715,689	507.143,281	17,661	17,194	73	54	64.079	1.286,135	10.239,699	7,962	7,494
24	5	98.299	27.194,975	478.427,592	17,592	17,125	74	55	61.380	1.167,728	8.953,565	7,668	7,200
25	6	98.215	25.755,157	451.232,617	17,520	17,053	75	56	58.551	1.055,845	7.785,837	7,374	6,907
26	7	98.134	24.392,367	425.477,460	17,443	16,976	76	57	55.620	950,696	6.729,992	7,079	6,612
27	8	98.055	23.102,179	401.085,093	17,361	16,894	77	58	52.609	852,359	5.779,296	6,780	6,313
28	9	97.975	21.880,040	377.982,914	17,275	16,808	78	59	49.490	760,023	4.926,937	6,483	6,015
29	10	97.897	20.722,791	356.102,874	17,184	16,717	79	60	46.250	673,230	4.166,914	6,189	5,722
30	11	97.820	19.626,990	335.380,083	17,088	16,621	80	61	42.932	592,359	3.493,684	5,898	5,431
31	12	97.739	18.588,447	315.753,094	16,987	16,519	81	62	39.518	516,825	2.901,325	5,614	5,147
32	13	97.654	17.603,972	297.164,647	16,881	16,413	82	63	36.045	446,830	2.384,500	5,336	4,869
33	14	97.564	16.670,944	279.560,674	16,769	16,302	83	64	32.439	381,171	1.937,670	5,083	4,616
34	15	97.467	15.786,141	262.889,730	16,653	16,186	84	65	28.921	322,112	1.556,499	4,832	4,365
35	16	97.357	14.946,205	247.103,589	16,533	16,066	85	66	25.522	269,434	1.234,388	4,581	4,114
36	17	97.234	14.149,196	232.157,384	16,408	15,941	86	67	22.352	223,666	964,953	4,314	3,847
37	18	97.103	13.393,474	218.008,187	16,277	15,810	87	68	19.194	182,053	741,287	4,072	3,605
38	19	96.958	12.676,251	204.614,714	16,142	15,674	88	69	16.125	144,971	559,234	3,858	3,390
39	20	96.798	11.995,521	191.938,463	16,001	15,534	89	70	13.285	113,208	414,263	3,659	3,192
40	21	96.618	11.349,052	179.942,941	15,855	15,388	90	71	10.741	86,762	301,056	3,470	3,003
41	22	96.428	10.736,241	168.593,890	15,703	15,236	91	72	8.517	65,209	214,294	3,286	2,819
42	23	96.219	10.154,450	157.857,648	15,546	15,078	92	73	6.584	47,785	149,085	3,120	2,653
43	24	95.981	9.601,337	147.703,198	15,384	14,916	93	74	4.967	34,169	101,300	2,965	2,497
44	25	95.718	9.075,798	138.101,861	15,216	14,749	94	75	3.652	23,812	67,131	2,819	2,352
45	26	95.438	8.577,461	129.026,064	15,042	14,575	95	76	2.611	16,140	43,318	2,684	2,217
46	27	95.117	8.103,008	120.448,603	14,865	14,397	96	77	1.814	10,629	27,178	2,557	2,090
47	28	94.767	7.652,276	112.345,595	14,681	14,214	97	78	1.222	6,788	16,550	2,438	1,971
48	29	94.384	7.224,012	104.693,319	14,492	14,025	98	79	797	4,195	9,762	2,327	1,860
49	30	93.971	6.817,454	97.469,307	14,297	13,830	99	80	502	2,505	5,566	2,222	1,755
							100	81	305	1,440	3,062	2,126	1,659

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 20 Jahre

Zinsfuß 5,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	30	93.549	6.433,038	90.782,832	14,112	13,645
1							51	31	93.055	6.065,464	84.349,794	13,907	13,439
2							52	32	92.540	5.717,426	78.284,331	13,692	13,225
3							53	33	91.964	5.385,661	72.566,905	13,474	13,007
4							54	34	91.350	5.070,778	67.181,243	13,249	12,782
5							55	35	90.687	4.771,551	62.110,465	13,017	12,550
6							56	36	89.962	4.486,644	57.338,914	12,780	12,313
7							57	37	89.207	4.217,052	52.852,271	12,533	12,066
8							58	38	88.381	3.960,189	48.635,218	12,281	11,814
9							59	39	87.477	3.715,360	44.675,029	12,024	11,557
10							60	40	86.489	3.481,863	40.959,669	11,764	11,297
11							61	41	85.441	3.260,348	37.477,807	11,495	11,028
12							62	42	84.331	3.050,240	34.217,458	11,218	10,751
13							63	43	83.101	2.849,071	31.167,218	10,939	10,472
14							64	44	81.794	2.658,061	28.318,147	10,654	10,186
15							65	45	80.391	2.476,276	25.660,086	10,362	9,895
16							66	46	78.858	2.302,417	23.183,810	10,069	9,602
17							67	47	77.210	2.136,782	20.881,394	9,772	9,305
18							68	48	75.409	1.978,147	18.744,612	9,476	9,009
19							69	49	73.471	1.826,815	16.766,464	9,178	8,711
20	0	99.059	33.950,273	603.655,569	17,781	17,313	70	50	71.406	1.682,927	14.939,649	8,877	8,410
21	1	98.608	32.033,794	569.705,296	17,785	17,317	71	51	69.195	1.545,784	13.256,722	8,576	8,109
22	2	98.495	30.329,112	537.671,502	17,728	17,261	72	52	66.830	1.415,117	11.710,939	8,276	7,808
23	3	98.401	28.720,619	507.342,390	17,665	17,198	73	53	64.282	1.290,209	10.295,822	7,980	7,513
24	4	98.311	27.198,488	478.621,770	17,597	17,130	74	54	61.594	1.171,803	9.005,613	7,685	7,218
25	5	98.227	25.758,524	451.423,282	17,525	17,058	75	55	58.774	1.059,859	7.833,810	7,391	6,924
26	6	98.143	24.394,614	425.664,758	17,449	16,982	76	56	55.844	954,529	6.773,951	7,097	6,629
27	7	98.063	23.104,191	401.270,143	17,368	16,901	77	57	52.845	856,180	5.819,423	6,797	6,330
28	8	97.985	21.882,140	378.165,952	17,282	16,815	78	58	49.730	763,700	4.963,243	6,499	6,032
29	9	97.903	20.724,130	356.283,812	17,192	16,725	79	59	46.486	676,670	4.199,542	6,206	5,739
30	10	97.828	19.628,640	335.559,682	17,095	16,628	80	60	43.170	595,638	3.522,872	5,914	5,447
31	11	97.748	18.590,190	315.931,042	16,995	16,527	81	61	39.741	519,750	2.927,234	5,632	5,165
32	12	97.662	17.605,467	297.340,851	16,889	16,422	82	62	36.273	449,660	2.407,485	5,354	4,887
33	13	97.574	16.672,559	279.735,384	16,778	16,311	83	63	32.662	383,781	1.957,825	5,101	4,634
34	14	97.479	15.787,981	263.062,824	16,662	16,195	84	64	29.134	324,484	1.574,044	4,851	4,384
35	15	97.374	14.948,876	247.274,843	16,541	16,074	85	65	25.732	271,653	1.249,559	4,600	4,133
36	16	97.255	14.152,193	232.325,967	16,416	15,949	86	66	22.556	225,711	977,906	4,333	3,865
37	17	97.125	13.396,421	218.173,774	16,286	15,819	87	67	19.391	183,923	752,196	4,090	3,623
38	18	96.986	12.679,898	204.777,353	16,150	15,683	88	68	16.311	146,648	568,273	3,875	3,408
39	19	96.825	11.998,847	192.097,455	16,010	15,542	89	69	13.456	114,671	421,625	3,677	3,210
40	20	96.649	11.352,638	180.098,608	15,864	15,397	90	70	10.896	88,013	306,955	3,488	3,020
41	21	96.452	10.738,869	168.745,970	15,714	15,246	91	71	8.657	66,283	218,942	3,303	2,836
42	22	96.245	10.157,200	158.007,101	15,556	15,089	92	72	6.705	48,662	152,658	3,137	2,670
43	23	96.007	9.603,843	147.849,901	15,395	14,928	93	73	5.071	34,880	103,996	2,982	2,514
44	24	95.744	9.078,264	138.246,059	15,228	14,761	94	74	3.737	24,367	69,116	2,836	2,369
45	25	95.461	8.579,572	129.167,795	15,055	14,588	95	75	2.681	16,570	44,749	2,701	2,234
46	26	95.144	8.105,277	120.588,222	14,878	14,411	96	76	1.868	10,946	28,180	2,575	2,107
47	27	94.794	7.654,507	112.482,945	14,695	14,228	97	77	1.264	7,016	17,234	2,456	1,989
48	28	94.412	7.226,156	104.828,439	14,507	14,040	98	78	828	4,357	10,218	2,345	1,878
49	29	93.998	6.819,450	97.602,282	14,312	13,845	99	79	524	2,615	5,861	2,242	1,774
							100	80	320	1,514	3,246	2,144	1,677

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 21 Jahre

Zinsfuß 5,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	29	93.576	6.434,921	90.902,493	14,126	13,659
1							51	30	93.085	6.067,450	84.467,571	13,921	13,454
2							52	31	92.573	5.719,469	78.400,121	13,708	13,240
3							53	32	91.997	5.387,577	72.680,652	13,490	13,023
4							54	33	91.386	5.072,805	67.293,075	13,265	12,798
5							55	34	90.729	4.773,789	62.220,270	13,034	12,567
6							56	35	90.008	4.488,942	57.446,481	12,797	12,330
7							57	36	89.258	4.219,438	52.957,539	12,551	12,084
8							58	37	88.435	3.962,619	48.738,101	12,299	11,832
9							59	38	87.539	3.717,961	44.775,482	12,043	11,576
10							60	39	86.558	3.484,651	41.057,521	11,782	11,315
11							61	40	85.515	3.263,187	37.572,870	11,514	11,047
12							62	41	84.414	3.053,258	34.309,683	11,237	10,770
13							63	42	83.195	2.852,279	31.256,424	10,958	10,491
14							64	43	81.900	2.661,516	28.404,145	10,672	10,205
15							65	44	80.503	2.479,727	25.742,629	10,381	9,914
16							66	45	78.983	2.306,074	23.262,902	10,088	9,620
17							67	46	77.349	2.140,626	20.956,828	9,790	9,323
18							68	47	75.556	1.982,002	18.816,202	9,494	9,026
19							69	48	73.627	1.830,696	16.834,200	9,196	8,728
20							70	49	71.579	1.686,987	15.003,504	8,894	8,426
21	0	98.983	32.155,888	570.026,185	17,727	17,260	71	50	69.370	1.549,699	13.316,517	8,593	8,126
22	1	98.530	30.339,978	537.870,296	17,728	17,261	72	51	67.016	1.419,058	11.766,817	8,292	7,825
23	2	98.421	28.726,299	507.530,318	17,668	17,201	73	52	64.477	1.294,121	10.347,759	7,996	7,529
24	3	98.328	27.203,158	478.804,019	17,601	17,134	74	53	61.789	1.175,515	9.053,639	7,702	7,235
25	4	98.240	25.761,852	451.600,862	17,530	17,063	75	54	58.979	1.063,558	7.878,123	7,407	6,940
26	5	98.156	24.397,804	425.839,010	17,454	16,987	76	55	56.056	958,157	6.814,566	7,112	6,645
27	6	98.072	23.106,321	401.441,206	17,374	16,906	77	56	53.058	859,631	5.856,409	6,813	6,346
28	7	97.993	21.884,046	378.334,886	17,288	16,821	78	57	49.953	767,124	4.996,777	6,514	6,046
29	8	97.913	20.726,119	356.450,840	17,198	16,731	79	58	46.711	679,945	4.229,653	6,221	5,753
30	9	97.835	19.629,909	335.724,720	17,103	16,636	80	59	43.390	598,681	3.549,708	5,929	5,462
31	10	97.757	18.591,754	316.094,812	17,002	16,535	81	60	39.961	522,626	2.951,027	5,647	5,179
32	11	97.671	17.607,119	297.503,058	16,897	16,430	82	61	36.478	452,204	2.428,401	5,370	4,903
33	12	97.582	16.673,975	279.895,939	16,786	16,319	83	62	32.868	386,211	1.976,197	5,117	4,650
34	13	97.488	15.789,511	263.221,964	16,671	16,203	84	63	29.334	326,707	1.589,985	4,867	4,400
35	14	97.386	14.950,618	247.432,453	16,550	16,083	85	64	25.922	273,654	1.263,279	4,616	4,149
36	15	97.272	14.154,722	232.481,835	16,424	15,957	86	65	22.742	227,569	989,624	4,349	3,881
37	16	97.145	13.399,259	218.327,112	16,294	15,827	87	66	19.568	185,604	762,055	4,106	3,639
38	17	97.007	12.682,688	204.927,853	16,158	15,691	88	67	16.479	148,154	576,452	3,891	3,424
39	18	96.852	12.002,299	192.245,165	16,017	15,550	89	68	13.612	115,998	428,298	3,692	3,225
40	19	96.675	11.355,786	180.242,866	15,872	15,405	90	69	11.037	89,150	312,300	3,503	3,036
41	20	96.482	10.742,262	168.887,080	15,722	15,255	91	70	8.782	67,239	223,150	3,319	2,852
42	21	96.268	10.159,686	158.144,819	15,566	15,099	92	71	6.816	49,464	155,911	3,152	2,685
43	22	96.033	9.606,443	147.985,133	15,405	14,938	93	72	5.164	35,520	106,447	2,997	2,530
44	23	95.769	9.080,633	138.378,690	15,239	14,772	94	73	3.815	24,874	70,926	2,851	2,384
45	24	95.487	8.581,904	129.298,056	15,066	14,599	95	74	2.743	16,955	46,053	2,716	2,249
46	25	95.167	8.107,272	120.716,153	14,890	14,423	96	75	1.918	11,237	29,097	2,589	2,122
47	26	94.821	7.656,650	112.608,880	14,707	14,240	97	76	1.301	7,226	17,860	2,472	2,005
48	27	94.439	7.228,263	104.952,230	14,520	14,053	98	77	856	4,503	10,635	2,362	1,894
49	28	94.026	6.821,475	97.723,967	14,326	13,859	99	78	544	2,715	6,132	2,258	1,791
							100	79	334	1,581	3,416	2,161	1,694

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 22 Jahre

Zinsfuß 5,50%

Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	28	93.604	6.436,832	91.011,982	14,139	13,672
1							51	29	93.113	6.069,227	84.575,150	13,935	13,468
2							52	30	92.603	5.721,342	78.505,923	13,722	13,254
3							53	31	92.030	5.389,502	72.784,581	13,505	13,038
4							54	32	91.419	5.074,610	67.395,079	13,281	12,814
5							55	33	90.766	4.775,697	62.320,469	13,050	12,582
6							56	34	90.050	4.491,048	57.544,772	12,813	12,346
7							57	35	89.303	4.221,600	53.053,725	12,567	12,100
8							58	36	88.485	3.964,861	48.832,125	12,316	11,849
9							59	37	87.592	3.720,242	44.867,264	12,060	11,593
10							60	38	86.619	3.487,090	41.147,022	11,800	11,333
11							61	39	85.583	3.265,801	37.659,932	11,532	11,064
12							62	40	84.488	3.055,917	34.394,131	11,255	10,788
13							63	41	83.277	2.855,101	31.338,214	10,976	10,509
14							64	42	81.993	2.664,513	28.483,113	10,690	10,223
15							65	43	80.608	2.482,950	25.818,600	10,398	9,931
16							66	44	79.093	2.309,289	23.335,650	10,105	9,638
17							67	45	77.472	2.144,027	21.026,361	9,807	9,340
18							68	46	75.692	1.985,568	18.882,335	9,510	9,043
19							69	47	73.770	1.834,263	16.896,767	9,212	8,745
20							70	48	71.731	1.690,571	15.062,504	8,910	8,443
21							71	49	69.537	1.553,438	13.371,933	8,608	8,141
22	0	98.906	30.455,616	538.168,410	17,671	17,203	72	50	67.186	1.422,652	11.818,495	8,307	7,840
23	1	98.456	28.736,591	507.712,794	17,668	17,201	73	51	64.657	1.297,725	10.395,842	8,011	7,544
24	2	98.348	27.208,537	478.976,203	17,604	17,137	74	52	61.976	1.179,080	9.098,117	7,716	7,249
25	3	98.257	25.766,274	451.767,666	17,533	17,066	75	53	59.166	1.066,927	7.919,038	7,422	6,955
26	4	98.168	24.400,955	426.001,392	17,458	16,991	76	54	56.252	961,501	6.852,111	7,126	6,659
27	5	98.085	23.109,341	401.600,436	17,378	16,911	77	55	53.260	862,899	5.890,610	6,827	6,359
28	6	98.002	21.886,063	378.491,095	17,294	16,827	78	56	50.154	770,216	5.027,711	6,528	6,060
29	7	97.921	20.727,925	356.605,032	17,204	16,737	79	57	46.920	682,993	4.257,494	6,234	5,766
30	8	97.844	19.631,793	335.877,108	17,109	16,642	80	58	43.600	601,578	3.574,501	5,942	5,475
31	9	97.763	18.592,955	316.245,314	17,009	16,542	81	59	40.166	525,297	2.972,923	5,660	5,192
32	10	97.680	17.608,599	297.652,359	16,904	16,437	82	60	36.680	454,707	2.447,626	5,383	4,916
33	11	97.591	16.675,539	280.043,760	16,794	16,326	83	61	33.054	388,397	1.992,919	5,131	4,664
34	12	97.497	15.790,852	263.368,221	16,679	16,211	84	62	29.519	328,776	1.604,522	4,880	4,413
35	13	97.395	14.952,067	247.577,368	16,558	16,091	85	63	26.099	275,528	1.275,747	4,630	4,163
36	14	97.284	14.156,372	232.625,301	16,433	15,965	86	64	22.909	229,246	1.000,218	4,363	3,896
37	15	97.163	13.401,653	218.468,929	16,302	15,834	87	65	19.729	187,132	770,973	4,120	3,653
38	16	97.028	12.685,375	205.067,276	16,166	15,698	88	66	16.630	149,508	583,841	3,905	3,438
39	17	96.874	12.004,940	192.381,902	16,025	15,558	89	67	13.752	117,189	434,333	3,706	3,239
40	18	96.703	11.359,052	180.376,961	15,880	15,412	90	68	11.165	90,182	317,144	3,517	3,050
41	19	96.509	10.745,241	169.017,909	15,730	15,262	91	69	8.896	68,108	226,962	3,332	2,865
42	20	96.299	10.162,896	158.272,668	15,574	15,106	92	70	6.914	50,177	158,854	3,166	2,699
43	21	96.056	9.608,794	148.109,773	15,414	14,947	93	71	5.249	36,106	108,677	3,010	2,543
44	22	95.795	9.083,092	138.500,978	15,248	14,781	94	72	3.885	25,330	72,571	2,865	2,398
45	23	95.512	8.584,143	129.417,886	15,076	14,609	95	73	2.800	17,308	47,241	2,729	2,262
46	24	95.193	8.109,475	120.833,743	14,900	14,433	96	74	1.963	11,499	29,933	2,603	2,136
47	25	94.844	7.658,535	112.724,267	14,719	14,252	97	75	1.336	7,418	18,434	2,485	2,018
48	26	94.466	7.230,287	105.065,732	14,531	14,064	98	76	881	4,637	11,016	2,375	1,908
49	27	94.054	6.823,463	97.835,445	14,338	13,871	99	77	563	2,807	6,379	2,273	1,806
							100	78	347	1,641	3,572	2,176	1,709

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 23 Jahre

Zinsfuß 5,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	27	93.631	6.438,708	91.112,278	14,151	13,684
1							51	28	93.140	6.071,029	84.673,570	13,947	13,480
2							52	29	92.630	5.723,017	78.602,541	13,734	13,267
3							53	30	92.060	5.391,268	72.879,524	13,518	13,051
4							54	31	91.451	5.076,423	67.488,256	13,294	12,827
5							55	32	90.798	4.777,396	62.411,834	13,064	12,597
6							56	33	90.086	4.492,843	57.634,438	12,828	12,361
7							57	34	89.345	4.223,580	53.141,595	12,582	12,115
8							58	35	88.531	3.966,892	48.918,015	12,332	11,864
9							59	36	87.642	3.722,347	44.951,123	12,076	11,609
10							60	37	86.672	3.489,230	41.228,777	11,816	11,349
11							61	38	85.643	3.268,087	37.739,546	11,548	11,081
12							62	39	84.555	3.058,364	34.471,460	11,271	10,804
13							63	40	83.350	2.857,587	31.413,095	10,993	10,526
14							64	41	82.074	2.667,149	28.555,508	10,706	10,239
15							65	42	80.699	2.485,746	25.888,359	10,415	9,948
16							66	43	79.196	2.312,290	23.402,613	10,121	9,654
17							67	44	77.580	2.147,016	21.090,323	9,823	9,356
18							68	45	75.813	1.988,722	18.943,308	9,525	9,058
19							69	46	73.903	1.837,563	16.954,586	9,227	8,759
20							70	47	71.871	1.693,865	15.117,022	8,925	8,457
21							71	48	69.685	1.556,738	13.423,158	8,623	8,155
22							72	49	67.348	1.426,085	11.866,419	8,321	7,854
23	0	98.831	28.846,117	507.989,816	17,610	17,143	73	50	64.820	1.301,012	10.440,335	8,025	7,558
24	1	98.383	27.218,285	479.143,698	17,604	17,137	74	51	62.149	1.182,363	9.139,322	7,730	7,263
25	2	98.276	25.771,370	451.925,413	17,536	17,069	75	52	59.345	1.070,162	7.956,959	7,435	6,968
26	3	98.185	24.405,144	426.154,044	17,462	16,994	76	53	56.430	964,547	6.886,797	7,140	6,673
27	4	98.098	23.112,327	401.748,899	17,382	16,915	77	54	53.446	865,911	5.922,250	6,839	6,372
28	5	98.015	21.888,924	378.636,573	17,298	16,831	78	55	50.345	773,144	5.056,339	6,540	6,073
29	6	97.930	20.729,835	356.747,649	17,209	16,742	79	56	47.109	685,746	4.283,195	6,246	5,779
30	7	97.852	19.633,503	336.017,814	17,115	16,647	80	57	43.796	604,275	3.597,449	5,953	5,486
31	8	97.772	18.594,740	316.384,311	17,015	16,548	81	58	40.360	527,839	2.993,174	5,671	5,203
32	9	97.686	17.609,737	297.789,571	16,911	16,443	82	59	36.868	457,031	2.465,335	5,394	4,927
33	10	97.599	16.676,942	280.179,833	16,800	16,333	83	60	33.237	390,547	2.008,305	5,142	4,675
34	11	97.506	15.792,333	263.502,892	16,685	16,218	84	61	29.686	330,636	1.617,758	4,893	4,426
35	12	97.403	14.953,337	247.710,559	16,566	16,098	85	62	26.264	277,273	1.287,122	4,642	4,175
36	13	97.293	14.157,744	232.757,222	16,440	15,973	86	63	23.066	230,816	1.009,849	4,375	3,908
37	14	97.174	13.403,215	218.599,478	16,309	15,842	87	64	19.875	188,510	779,033	4,133	3,665
38	15	97.045	12.687,642	205.196,263	16,173	15,706	88	65	16.766	150,739	590,523	3,918	3,450
39	16	96.894	12.007,483	192.508,621	16,032	15,565	89	66	13.877	118,260	439,784	3,719	3,252
40	17	96.724	11.361,552	180.501,138	15,887	15,420	90	67	11.279	91,108	321,524	3,529	3,062
41	18	96.537	10.748,332	169.139,586	15,736	15,269	91	68	8.998	68,896	230,416	3,344	2,877
42	19	96.325	10.165,714	158.391,254	15,581	15,114	92	69	7.003	50,826	161,520	3,178	2,711
43	20	96.086	9.611,830	148.225,541	15,421	14,954	93	70	5.324	36,626	110,694	3,022	2,555
44	21	95.818	9.085,315	138.613,710	15,257	14,790	94	71	3.949	25,748	74,068	2,877	2,409
45	22	95.538	8.586,468	129.528,395	15,085	14,618	95	72	2.852	17,626	48,320	2,741	2,274
46	23	95.218	8.111,592	120.941,927	14,910	14,443	96	73	2.004	11,738	30,694	2,615	2,148
47	24	94.870	7.660,616	112.830,335	14,729	14,261	97	74	1.367	7,591	18,956	2,497	2,030
48	25	94.489	7.232,067	105.169,719	14,542	14,075	98	75	905	4,761	11,366	2,387	1,920
49	26	94.080	6.825,374	97.937,652	14,349	13,882	99	76	579	2,890	6,605	2,285	1,818
							100	77	359	1,697	3,715	2,189	1,722

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 24 Jahre

Zinsfuß 5,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	26	93.658	6.440,511	91.204,226	14,161	13,694
1							51	27	93.167	6.072,799	84.763,714	13,958	13,491
2							52	28	92.658	5.724,717	78.690,916	13,746	13,279
3							53	29	92.087	5.392,846	72.966,199	13,530	13,063
4							54	30	91.481	5.078,086	67.573,353	13,307	12,840
5							55	31	90.830	4.779,103	62.495,268	13,077	12,610
6							56	32	90.118	4.494,441	57.716,165	12,842	12,374
7							57	33	89.381	4.225,268	53.221,724	12,596	12,129
8							58	34	88.572	3.968,753	48.996,456	12,346	11,878
9							59	35	87.687	3.724,253	45.027,703	12,090	11,623
10							60	36	86.721	3.491,204	41.303,450	11,831	11,364
11							61	37	85.696	3.270,092	37.812,246	11,563	11,096
12							62	38	84.615	3.060,505	34.542,154	11,286	10,819
13							63	39	83.417	2.859,876	31.481,648	11,008	10,541
14							64	40	82.145	2.669,471	28.621,773	10,722	10,255
15							65	41	80.779	2.488,205	25.952,301	10,430	9,963
16							66	42	79.285	2.314,894	23.464,096	10,136	9,669
17							67	43	77.681	2.149,806	21.149,202	9,838	9,371
18							68	44	75.918	1.991,494	18.999,396	9,540	9,073
19							69	45	74.020	1.840,482	17.007,902	9,241	8,774
20							70	46	72.000	1.696,912	15.167,420	8,938	8,471
21							71	47	69.821	1.559,772	13.470,507	8,636	8,169
22							72	48	67.491	1.429,114	11.910,736	8,334	7,867
23							73	49	64.977	1.304,151	10.481,622	8,037	7,570
24	0	98.758	27.322,025	479.401,179	17,546	17,079	74	50	62.306	1.185,358	9.177,471	7,742	7,275
25	1	98.312	25.780,603	452.079,154	17,536	17,068	75	51	59.510	1.073,142	7.992,112	7,447	6,980
26	2	98.204	24.409,971	426.298,551	17,464	16,997	76	52	56.601	967,472	6.918,970	7,152	6,684
27	3	98.115	23.116,294	401.888,580	17,386	16,918	77	53	53.615	868,654	5.951,498	6,851	6,384
28	4	98.028	21.891,752	378.772,286	17,302	16,835	78	54	50.520	775,843	5.082,844	6,551	6,084
29	5	97.943	20.732,545	356.880,534	17,214	16,746	79	55	47.288	688,353	4.307,002	6,257	5,790
30	6	97.861	19.635,312	336.147,989	17,120	16,652	80	56	43.972	606,711	3.618,649	5,964	5,497
31	7	97.781	18.596,360	316.512,677	17,020	16,553	81	57	40.541	530,205	3.011,938	5,681	5,214
32	8	97.695	17.611,428	297.916,317	16,916	16,449	82	58	37.046	459,242	2.481,733	5,404	4,937
33	9	97.606	16.678,019	280.304,889	16,807	16,340	83	59	33.407	392,542	2.022,491	5,152	4,685
34	10	97.514	15.793,661	263.626,870	16,692	16,225	84	60	29.851	332,466	1.629,949	4,903	4,435
35	11	97.413	14.954,739	247.833,209	16,572	16,105	85	61	26.413	278,842	1.297,482	4,653	4,186
36	12	97.301	14.158,946	232.878,470	16,447	15,980	86	62	23.212	232,277	1.018,640	4,385	3,918
37	13	97.183	13.404,514	218.719,523	16,317	15,850	87	63	20.011	189,801	786,363	4,143	3,676
38	14	97.057	12.689,120	205.315,010	16,180	15,713	88	64	16.890	151,849	596,561	3,929	3,461
39	15	96.912	12.009,629	192.625,889	16,039	15,572	89	65	13.992	119,234	444,712	3,730	3,263
40	16	96.745	11.363,959	180.616,260	15,894	15,427	90	66	11.382	91,940	325,478	3,540	3,073
41	17	96.558	10.750,697	169.252,302	15,743	15,276	91	67	9.091	69,604	233,538	3,355	2,888
42	18	96.353	10.168,638	158.501,605	15,587	15,120	92	68	7.084	51,414	163,934	3,189	2,721
43	19	96.113	9.614,496	148.332,966	15,428	14,961	93	69	5.393	37,100	112,520	3,033	2,566
44	20	95.849	9.088,186	138.718,471	15,264	14,796	94	70	4.006	26,119	75,421	2,888	2,420
45	21	95.561	8.588,569	129.630,285	15,093	14,626	95	71	2.899	17,916	49,302	2,752	2,285
46	22	95.244	8.113,789	121.041,716	14,918	14,451	96	72	2.040	11,953	31,385	2,626	2,159
47	23	94.895	7.662,615	112.927,927	14,738	14,270	97	73	1.395	7,749	19,432	2,508	2,041
48	24	94.515	7.234,032	105.265,312	14,551	14,084	98	74	926	4,872	11,684	2,398	1,931
49	25	94.103	6.827,054	98.031,280	14,359	13,892	99	75	595	2,967	6,812	2,296	1,829
							100	76	369	1,747	3,845	2,201	1,733

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 25 Jahre

Zinsfuß 5,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	25	93.681	6.442,097	91.288,441	14,171	13,703
1							51	26	93.194	6.074,499	84.846,345	13,968	13,500
2							52	27	92.685	5.726,385	78.771,846	13,756	13,289
3							53	28	92.114	5.394,447	73.045,460	13,541	13,074
4							54	29	91.508	5.079,572	67.651,013	13,318	12,851
5							55	30	90.860	4.780,668	62.571,441	13,088	12,621
6							56	31	90.151	4.496,047	57.790,772	12,854	12,386
7							57	32	89.413	4.226,771	53.294,725	12,609	12,142
8							58	33	88.607	3.970,339	49.067,954	12,359	11,891
9							59	34	87.728	3.726,000	45.097,615	12,103	11,636
10							60	35	86.765	3.492,992	41.371,615	11,844	11,377
11							61	36	85.744	3.271,942	37.878,623	11,577	11,110
12							62	37	84.667	3.062,383	34.606,681	11,301	10,833
13							63	38	83.475	2.861,878	31.544,297	11,022	10,555
14							64	39	82.211	2.671,609	28.682,420	10,736	10,269
15							65	40	80.849	2.490,372	26.010,810	10,445	9,977
16							66	41	79.364	2.317,184	23.520,438	10,150	9,683
17							67	42	77.768	2.152,227	21.203,254	9,852	9,385
18							68	43	76.017	1.994,082	19.051,028	9,554	9,087
19							69	44	74.124	1.843,048	17.056,945	9,255	8,788
20							70	45	72.114	1.699,608	15.213,897	8,951	8,484
21							71	46	69.947	1.562,578	13.514,289	8,649	8,182
22							72	47	67.622	1.431,899	11.951,711	8,347	7,880
23							73	48	65.115	1.306,922	10.519,813	8,049	7,582
24							74	49	62.457	1.188,218	9.212,891	7,754	7,286
25	0	98.686	25.878,863	452.318,521	17,478	17,011	75	50	59.661	1.075,861	8.024,673	7,459	6,992
26	1	98.240	24.418,716	426.439,658	17,464	16,996	76	51	56.759	970,166	6.948,812	7,162	6,695
27	2	98.134	23.120,866	402.020,942	17,388	16,921	77	52	53.778	871,288	5.978,646	6,862	6,395
28	3	98.045	21.895,510	378.900,077	17,305	16,838	78	53	50.680	778,300	5.107,358	6,562	6,095
29	4	97.956	20.735,223	357.004,567	17,217	16,750	79	54	47.454	690,755	4.329,058	6,267	5,800
30	5	97.874	19.637,879	336.269,344	17,124	16,656	80	55	44.139	609,017	3.638,303	5,974	5,507
31	6	97.790	18.598,074	316.631,464	17,025	16,558	81	56	40.704	532,342	3.029,286	5,690	5,223
32	7	97.704	17.612,962	298.033,391	16,921	16,454	82	57	37.212	461,301	2.496,944	5,413	4,946
33	8	97.615	16.679,620	280.420,429	16,812	16,345	83	58	33.569	394,442	2.035,642	5,161	4,694
34	9	97.520	15.794,682	263.740,809	16,698	16,231	84	59	30.003	334,165	1.641,201	4,911	4,444
35	10	97.421	14.955,997	247.946,127	16,578	16,111	85	60	26.559	280,386	1.307,036	4,662	4,194
36	11	97.311	14.160,274	232.990,130	16,454	15,987	86	61	23.344	233,592	1.026,650	4,395	3,928
37	12	97.192	13.405,652	218.829,856	16,324	15,857	87	62	20.137	191,003	793,058	4,152	3,685
38	13	97.066	12.690,350	205.424,203	16,187	15,720	88	63	17.006	152,889	602,055	3,938	3,471
39	14	96.923	12.011,029	192.733,854	16,046	15,579	89	64	14.095	120,112	449,165	3,740	3,272
40	15	96.762	11.365,989	180.722,825	15,900	15,433	90	65	11.476	92,698	329,053	3,550	3,083
41	16	96.578	10.752,974	169.356,835	15,750	15,283	91	66	9.174	70,240	236,356	3,365	2,898
42	17	96.374	10.170,876	158.603,861	15,594	15,127	92	67	7.157	51,942	166,116	3,198	2,731
43	18	96.141	9.617,261	148.432,985	15,434	14,967	93	68	5.456	37,529	114,174	3,042	2,575
44	19	95.875	9.090,706	138.815,724	15,270	14,803	94	69	4.058	26,456	76,645	2,897	2,430
45	20	95.591	8.591,283	129.725,018	15,100	14,632	95	70	2.941	18,175	50,189	2,761	2,294
46	21	95.267	8.115,774	121.133,735	14,926	14,459	96	71	2.074	12,150	32,014	2,635	2,168
47	22	94.921	7.664,690	113.017,961	14,745	14,278	97	72	1.421	7,891	19,864	2,517	2,050
48	23	94.539	7.235,920	105.353,271	14,560	14,093	98	73	945	4,973	11,973	2,408	1,940
49	24	94.129	6.828,909	98.117,351	14,368	13,901	99	74	609	3,036	7,000	2,305	1,838
							100	75	379	1,794	3,964	2,210	1,743

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 0 Jahre

Zinsfuß 5,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	0	100.000	100.000,000	1.772.945,584	17,729	17,262	50	50	91.638	5.598,303	72.882,940	13,019	12,551
1	1	99.166	93.773,814	1.672.945,584	17,840	17,373	51	51	90.953	5.254,361	67.284,638	12,805	12,338
2	2	99.090	88.607,432	1.579.171,770	17,822	17,355	52	52	90.231	4.929,194	62.030,277	12,584	12,117
3	3	99.051	83.756,102	1.490.564,338	17,796	17,329	53	53	89.431	4.619,830	57.101,083	12,360	11,892
4	4	99.016	79.173,947	1.406.808,236	17,769	17,301	54	54	88.588	4.327,466	52.481,253	12,127	11,660
5	5	98.990	74.849,272	1.327.634,289	17,737	17,270	55	55	87.680	4.050,244	48.153,787	11,889	11,422
6	6	98.963	70.760,510	1.252.785,018	17,705	17,237	56	56	86.694	3.786,953	44.103,543	11,646	11,179
7	7	98.942	66.899,048	1.182.024,508	17,669	17,201	57	57	85.670	3.538,735	40.316,590	11,393	10,925
8	8	98.922	63.248,191	1.115.125,461	17,631	17,163	58	58	84.550	3.302,561	36.777,855	11,136	10,669
9	9	98.900	59.796,312	1.051.877,270	17,591	17,123	59	59	83.341	3.078,331	33.475,294	10,874	10,407
10	10	98.885	56.536,031	992.080,958	17,548	17,080	60	60	82.046	2.865,710	30.396,964	10,607	10,140
11	11	98.867	53.452,449	935.544,928	17,502	17,035	61	61	80.675	2.664,635	27.531,253	10,332	9,865
12	12	98.844	50.534,009	882.092,479	17,455	16,988	62	62	79.258	2.475,475	24.866,618	10,045	9,578
13	13	98.822	47.775,998	831.558,470	17,405	16,938	63	63	77.698	2.294,811	22.391,144	9,757	9,290
14	14	98.800	45.168,014	783.782,472	17,353	16,885	64	64	76.054	2.124,128	20.096,333	9,461	8,993
15	15	98.770	42.699,214	738.614,458	17,298	16,831	65	65	74.307	1.962,475	17.972,205	9,158	8,690
16	16	98.729	40.360,771	695.915,243	17,242	16,775	66	66	72.409	1.808,377	16.009,730	8,853	8,386
17	17	98.670	38.143,516	655.554,473	17,187	16,719	67	67	70.380	1.662,137	14.201,353	8,544	8,076
18	18	98.599	36.043,304	617.410,957	17,130	16,662	68	68	68.173	1.522,459	12.539,216	8,236	7,769
19	19	98.496	34.047,856	581.367,653	17,075	16,607	69	69	65.800	1.389,566	11.016,757	7,928	7,461
20	20	98.389	32.161,705	547.319,798	17,018	16,550	70	70	63.288	1.263,840	9.627,191	7,617	7,150
21	21	98.283	30.380,239	515.158,093	16,957	16,489	71	71	60.609	1.144,535	8.363,351	7,307	6,840
22	22	98.182	28.698,809	484.777,854	16,892	16,424	72	72	57.749	1.031,227	7.218,816	7,000	6,533
23	23	98.081	27.110,550	456.079,045	16,823	16,355	73	73	54.711	923,862	6.187,589	6,698	6,230
24	24	97.983	25.610,769	428.968,495	16,750	16,282	74	74	51.518	822,638	5.263,727	6,399	5,931
25	25	97.886	24.194,074	403.357,726	16,672	16,204	75	75	48.208	727,927	4.441,089	6,101	5,633
26	26	97.790	22.856,196	379.163,653	16,589	16,122	76	76	44.787	639,499	3.713,162	5,806	5,339
27	27	97.693	21.591,921	356.307,456	16,502	16,034	77	77	41.321	557,927	3.073,663	5,509	5,041
28	28	97.594	20.397,344	334.715,535	16,410	15,942	78	78	37.788	482,488	2.515,736	5,214	4,747
29	29	97.494	19.268,370	314.318,191	16,313	15,845	79	79	34.179	412,674	2.033,248	4,927	4,459
30	30	97.396	18.202,536	295.049,821	16,209	15,742	80	80	30.561	348,926	1.620,574	4,644	4,177
31	31	97.293	17.194,593	276.847,285	16,101	15,633	81	81	26.911	290,553	1.271,648	4,377	3,909
32	32	97.182	16.241,019	259.652,692	15,987	15,520	82	82	23.325	238,138	981,094	4,120	3,652
33	33	97.068	15.339,899	243.411,673	15,868	15,400	83	83	19.770	190,866	742,957	3,893	3,425
34	34	96.944	14.487,299	228.071,774	15,743	15,275	84	84	16.483	150,481	552,091	3,669	3,201
35	35	96.806	13.680,073	213.584,474	15,613	15,145	85	85	13.487	116,434	401,610	3,449	2,982
36	36	96.655	12.916,086	199.904,401	15,477	15,010	86	86	10.885	88,860	285,176	3,209	2,742
37	37	96.491	12.193,107	186.988,316	15,336	14,868	87	87	8.491	65,548	196,316	2,995	2,527
38	38	96.316	11.509,132	174.795,209	15,188	14,720	88	88	6.365	46,466	130,768	2,814	2,347
39	39	96.116	10.860,741	163.286,077	15,035	14,567	89	89	4.613	31,845	84,302	2,647	2,180
40	40	95.891	10.246,169	152.425,336	14,876	14,409	90	90	3.223	21,038	52,457	2,493	2,026
41	41	95.642	9.663,947	142.179,167	14,712	14,245	91	91	2.173	13,413	31,419	2,342	1,875
42	42	95.366	9.112,108	132.515,220	14,543	14,075	92	92	1.390	8,115	18,005	2,219	1,751
43	43	95.049	8.587,977	123.403,111	14,369	13,902	93	93	851	4,696	9,890	2,106	1,639
44	44	94.691	8.090,399	114.815,135	14,192	13,724	94	94	497	2,592	5,195	2,004	1,536
45	45	94.305	7.619,350	106.724,735	14,007	13,539	95	95	276	1,362	2,603	1,911	1,443
46	46	93.866	7.171,496	99.105,385	13,819	13,352	96	96	146	0,679	1,241	1,826	1,358
47	47	93.379	6.746,400	91.933,889	13,627	13,160	97	97	73	0,321	0,561	1,749	1,281
48	48	92.848	6.343,304	85.187,489	13,430	12,962	98	98	34	0,143	0,240	1,679	1,211
49	49	92.273	5.961,244	78.844,185	13,226	12,759	99	99	15	0,060	0,097	1,615	1,148
							100	100	6	0,024	0,037	1,557	1,090

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -1 Jahr

Zinsfuß 5,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	1	99.620	99.620,306	1.771.515,193	17,783	17,315	50	51	91.406	5.584,158	72.264,397	12,941	12,473
1	2	99.130	93.740,230	1.671.894,887	17,835	17,368	51	52	90.701	5.239,768	66.680,239	12,726	12,258
2	3	99.071	88.589,913	1.578.154,657	17,814	17,347	52	53	89.958	4.914,292	61.440,470	12,502	12,035
3	4	99.034	83.741,725	1.489.564,743	17,788	17,320	53	54	89.148	4.605,242	56.526,179	12,274	11,807
4	5	99.003	79.163,721	1.405.823,018	17,758	17,291	54	55	88.280	4.312,414	51.920,936	12,040	11,572
5	6	98.977	74.839,487	1.326.659,297	17,727	17,259	55	56	87.348	4.034,906	47.608,522	11,799	11,332
6	7	98.954	70.753,989	1.251.819,810	17,693	17,225	56	57	86.346	3.771,750	43.573,616	11,553	11,085
7	8	98.934	66.893,221	1.181.065,821	17,656	17,188	57	58	85.288	3.522,941	39.801,866	11,298	10,830
8	9	98.912	63.242,119	1.114.172,599	17,618	17,150	58	59	84.143	3.286,657	36.278,925	11,038	10,571
9	10	98.894	59.792,448	1.050.930,480	17,576	17,109	59	60	82.917	3.062,681	32.992,268	10,772	10,305
10	11	98.876	56.531,276	991.138,032	17,533	17,065	60	61	81.594	2.849,937	29.929,587	10,502	10,034
11	12	98.858	53.447,436	934.606,756	17,486	17,019	61	62	80.221	2.649,640	27.079,650	10,220	9,753
12	13	98.835	50.529,717	881.159,320	17,438	16,971	62	63	78.759	2.459,897	24.430,010	9,931	9,464
13	14	98.813	47.771,369	830.629,603	17,388	16,920	63	64	77.170	2.279,202	21.970,113	9,639	9,172
14	15	98.788	45.162,751	782.858,234	17,334	16,867	64	65	75.498	2.108,595	19.690,911	9,338	8,871
15	16	98.752	42.691,585	737.695,482	17,280	16,812	65	66	73.700	1.946,447	17.582,317	9,033	8,565
16	17	98.708	40.352,223	695.003,897	17,223	16,756	66	67	71.753	1.791,999	15.635,870	8,725	8,258
17	18	98.649	38.135,123	654.651,674	17,167	16,699	67	68	69.665	1.645,241	13.843,871	8,414	7,947
18	19	98.570	36.032,938	616.516,551	17,110	16,642	68	69	67.393	1.505,046	12.198,630	8,105	7,638
19	20	98.468	34.038,417	580.483,612	17,054	16,586	69	70	64.960	1.371,838	10.693,584	7,795	7,328
20	21	98.358	32.151,546	546.445,195	16,996	16,528	70	71	62.388	1.245,876	9.321,746	7,482	7,015
21	22	98.259	30.372,806	514.293,649	16,933	16,465	71	72	59.626	1.125,980	8.075,870	7,172	6,705
22	23	98.155	28.691,039	483.920,844	16,867	16,399	72	73	56.707	1.012,634	6.949,890	6,863	6,396
23	24	98.056	27.103,477	455.229,805	16,796	16,328	73	74	53.596	905,041	5.937,255	6,560	6,093
24	25	97.957	25.603,811	428.126,327	16,721	16,254	74	75	50.345	803,913	5.032,214	6,260	5,792
25	26	97.861	24.188,120	402.522,517	16,641	16,174	75	76	46.958	709,053	4.228,301	5,963	5,496
26	27	97.762	22.849,798	378.334,396	16,557	16,090	76	77	43.490	620,986	3.519,247	5,667	5,200
27	28	97.664	21.585,628	355.484,599	16,469	16,001	77	78	39.976	539,776	2.898,261	5,369	4,902
28	29	97.565	20.391,290	333.898,970	16,375	15,907	78	79	36.388	464,606	2.358,485	5,076	4,609
29	30	97.465	19.262,730	313.507,681	16,275	15,808	79	80	32.741	395,315	1.893,879	4,791	4,323
30	31	97.365	18.196,576	294.244,951	16,170	15,703	80	81	29.072	331,928	1.498,564	4,515	4,047
31	32	97.259	17.188,451	276.048,375	16,060	15,593	81	82	25.411	274,357	1.166,636	4,252	3,785
32	33	97.147	16.235,244	258.859,923	15,944	15,477	82	83	21.818	222,748	892,279	4,006	3,538
33	34	97.029	15.333,770	242.624,679	15,823	15,355	83	84	18.353	177,188	669,531	3,779	3,311
34	35	96.898	14.480,507	227.290,909	15,696	15,229	84	85	15.158	138,388	492,342	3,558	3,090
35	36	96.756	13.673,069	212.810,402	15,564	15,097	85	86	12.316	106,325	353,954	3,329	2,861
36	37	96.600	12.908,782	199.137,333	15,427	14,959	86	87	9.787	79,901	247,629	3,099	2,632
37	38	96.432	12.185,630	186.228,550	15,283	14,815	87	88	7.490	57,821	167,728	2,901	2,433
38	39	96.248	11.501,082	174.042,921	15,133	14,665	88	89	5.528	40,355	109,907	2,724	2,256
39	40	96.039	10.852,050	162.541,839	14,978	14,510	89	90	3.929	27,125	69,552	2,564	2,097
40	41	95.807	10.237,255	151.689,790	14,817	14,350	90	91	2.696	17,599	42,427	2,411	1,943
41	42	95.548	9.654,395	141.452,535	14,652	14,184	91	92	1.766	10,900	24,828	2,278	1,810
42	43	95.259	9.101,860	131.798,140	14,480	14,013	92	93	1.105	6,448	13,928	2,160	1,692
43	44	94.926	8.576,829	122.696,280	14,306	13,838	93	94	660	3,644	7,480	2,053	1,585
44	45	94.559	8.079,137	114.119,451	14,125	13,658	94	95	376	1,962	3,836	1,955	1,488
45	46	94.155	7.607,265	106.040,313	13,939	13,472	95	96	203	1,004	1,874	1,866	1,399
46	47	93.697	7.158,616	98.433,048	13,750	13,283	96	97	104	0,487	0,870	1,786	1,318
47	48	93.198	6.733,281	91.274,432	13,556	13,088	97	98	51	0,224	0,383	1,712	1,245
48	49	92.651	6.329,857	84.541,151	13,356	12,888	98	99	23	0,097	0,159	1,645	1,178
49	50	92.051	5.946,897	78.211,294	13,152	12,684	99	100	10	0,039	0,062	1,585	1,117
							100	101	4	0,015	0,023	1,529	1,062

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -2 Jahre

Zinsfuß 5,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	2	99.585	99.584,628	1.770.375,354	17,778	17,310	50	52	91.153	5.568,649	71.597,264	12,857	12,390
1	3	99.111	93.721,696	1.670.790,726	17,827	17,360	51	53	90.427	5.223,927	66.028,615	12,640	12,172
2	4	99.054	88.574,707	1.577.069,029	17,805	17,337	52	54	89.674	4.898,774	60.804,687	12,412	11,945
3	5	99.021	83.730,910	1.488.494,322	17,777	17,310	53	55	88.838	4.589,224	55.905,913	12,182	11,714
4	6	98.990	79.153,373	1.404.763,413	17,747	17,280	54	56	87.945	4.296,084	51.316,689	11,945	11,477
5	7	98.968	74.832,591	1.325.610,040	17,714	17,247	55	57	86.998	4.018,707	47.020,605	11,700	11,233
6	8	98.945	70.747,827	1.250.777,449	17,679	17,212	56	58	85.961	3.754,916	43.001,897	11,452	10,985
7	9	98.924	66.886,800	1.180.029,622	17,642	17,175	57	59	84.877	3.505,976	39.246,981	11,194	10,727
8	10	98.906	63.238,033	1.113.142,822	17,602	17,135	58	60	83.715	3.269,948	35.741,005	10,930	10,463
9	11	98.886	59.787,420	1.049.904,789	17,561	17,093	59	61	82.461	3.045,823	32.471,057	10,661	10,193
10	12	98.867	56.525,975	990.117,369	17,516	17,049	60	62	81.135	2.833,899	29.425,234	10,383	9,916
11	13	98.849	53.442,897	933.591,394	17,469	17,001	61	63	79.716	2.632,966	26.591,335	10,099	9,632
12	14	98.826	50.524,821	880.148,498	17,420	16,953	62	64	78.223	2.443,165	23.958,369	9,806	9,339
13	15	98.801	47.765,803	829.623,676	17,369	16,901	63	65	76.605	2.262,535	21.515,204	9,509	9,042
14	16	98.771	45.154,682	781.857,874	17,315	16,848	64	66	74.882	2.091,373	19.252,669	9,206	8,738
15	17	98.732	42.682,544	736.703,192	17,260	16,792	65	67	73.032	1.928,819	17.161,296	8,897	8,430
16	18	98.687	40.343,345	694.020,647	17,203	16,735	66	68	71.024	1.773,783	15.232,478	8,588	8,120
17	19	98.620	38.124,156	653.677,302	17,146	16,678	67	69	68.868	1.626,424	13.458,694	8,275	7,807
18	20	98.543	36.022,950	615.553,147	17,088	16,620	68	70	66.533	1.485,844	11.832,270	7,963	7,496
19	21	98.437	34.027,666	579.530,197	17,031	16,564	69	71	64.037	1.352,339	10.346,427	7,651	7,183
20	22	98.334	32.143,679	545.502,531	16,971	16,503	70	72	61.377	1.225,678	8.994,087	7,338	6,870
21	23	98.233	30.364,582	513.358,851	16,907	16,439	71	73	58.551	1.105,680	7.768,409	7,026	6,558
22	24	98.130	28.683,553	482.994,269	16,839	16,371	72	74	55.552	992,005	6.662,730	6,716	6,249
23	25	98.029	27.096,114	454.310,716	16,767	16,299	73	75	52.376	884,441	5.670,725	6,412	5,944
24	26	97.932	25.597,510	427.214,602	16,690	16,222	74	76	49.040	783,070	4.786,284	6,112	5,645
25	27	97.834	24.181,349	401.617,091	16,609	16,141	75	77	45.598	688,527	4.003,214	5,814	5,347
26	28	97.734	22.843,139	377.435,743	16,523	16,055	76	78	42.075	600,784	3.314,687	5,517	5,050
27	29	97.635	21.579,221	354.592,604	16,432	15,965	77	79	38.495	519,771	2.713,903	5,221	4,754
28	30	97.537	20.385,321	333.013,383	16,336	15,868	78	80	34.857	445,062	2.194,132	4,930	4,462
29	31	97.433	19.256,423	312.628,062	16,235	15,767	79	81	31.146	376,057	1.749,070	4,651	4,183
30	32	97.330	18.190,076	293.371,639	16,128	15,661	80	82	27.451	313,425	1.373,013	4,381	3,913
31	33	97.224	17.182,339	275.181,563	16,015	15,548	81	83	23.769	256,627	1.059,587	4,129	3,661
32	34	97.109	16.228,757	257.999,223	15,898	15,430	82	84	20.254	206,787	802,961	3,883	3,415
33	35	96.983	15.326,581	241.770,466	15,775	15,307	83	85	16.878	162,949	596,174	3,659	3,191
34	36	96.849	14.473,094	226.443,885	15,646	15,178	84	86	13.842	126,373	433,225	3,428	2,961
35	37	96.702	13.665,338	211.970,791	15,512	15,044	85	87	11.074	95,606	306,852	3,210	2,742
36	38	96.541	12.900,866	198.305,454	15,371	14,904	86	88	8.634	70,483	211,247	2,997	2,530
37	39	96.365	12.177,105	185.404,587	15,226	14,758	87	89	6.505	50,216	140,764	2,803	2,336
38	40	96.171	11.491,878	173.227,482	15,074	14,606	88	90	4.709	34,373	90,547	2,634	2,167
39	41	95.955	10.842,608	161.735,604	14,917	14,449	89	91	3.287	22,691	56,174	2,476	2,008
40	42	95.713	10.227,135	150.892,996	14,754	14,287	90	92	2.191	14,301	33,483	2,341	1,874
41	43	95.440	9.643,537	140.665,860	14,587	14,119	91	93	1.403	8,661	19,182	2,215	1,747
42	44	95.135	9.090,046	131.022,323	14,414	13,946	92	94	857	5,004	10,521	2,103	1,635
43	45	94.793	8.564,890	121.932,278	14,236	13,769	93	95	500	2,758	5,517	2,001	1,533
44	46	94.409	8.066,324	113.367,387	14,054	13,587	94	96	277	1,446	2,759	1,908	1,440
45	47	93.986	7.593,603	105.301,064	13,867	13,399	95	97	146	0,720	1,313	1,823	1,356
46	48	93.515	7.144,695	97.707,461	13,676	13,208	96	98	73	0,339	0,593	1,746	1,279
47	49	93.000	6.719,007	90.562,765	13,479	13,011	97	99	34	0,151	0,253	1,677	1,209
48	50	92.428	6.314,623	83.843,758	13,278	12,810	98	100	15	0,063	0,102	1,613	1,145
49	51	91.818	5.931,871	77.529,136	13,070	12,602	99	101	6	0,025	0,039	1,555	1,088
							100	102	2	0,009	0,014	1,503	1,035

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -3 Jahre

Zinsfuß 5,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	3	99.565	99.564,939	1.769.177,752	17,769	17,302	50	53	90.877	5.551,814	70.878,943	12,767	12,299
1	4	99.094	93.705,609	1.669.612,813	17,818	17,350	51	54	90.141	5.207,433	65.327,129	12,545	12,077
2	5	99.041	88.563,267	1.575.907,204	17,794	17,327	52	55	89.362	4.881,735	60.119,696	12,315	11,848
3	6	99.008	83.719,964	1.487.343,937	17,766	17,298	53	56	88.502	4.571,846	55.237,961	12,082	11,615
4	7	98.981	79.146,079	1.403.623,973	17,735	17,267	54	57	87.592	4.278,836	50.666,115	11,841	11,374
5	8	98.959	74.826,074	1.324.477,894	17,701	17,233	55	58	86.609	4.000,771	46.387,279	11,595	11,127
6	9	98.936	70.741,036	1.249.651,820	17,665	17,198	56	59	85.547	3.736,834	42.386,508	11,343	10,875
7	10	98.918	66.882,478	1.178.910,784	17,627	17,159	57	60	84.446	3.488,152	38.649,674	11,080	10,613
8	11	98.897	63.232,715	1.112.028,305	17,586	17,119	58	61	83.254	3.251,949	35.161,522	10,812	10,345
9	12	98.876	59.781,813	1.048.795,591	17,544	17,076	59	62	81.997	3.028,683	31.909,572	10,536	10,068
10	13	98.859	56.521,174	989.013,778	17,498	17,031	60	63	80.624	2.816,066	28.880,889	10,256	9,788
11	14	98.840	53.437,718	932.492,603	17,450	16,983	61	64	79.174	2.615,057	26.064,823	9,967	9,500
12	15	98.814	50.518,934	879.054,885	17,401	16,933	62	65	77.651	2.425,299	23.449,766	9,669	9,201
13	16	98.783	47.757,268	828.535,951	17,349	16,881	63	66	75.980	2.244,056	21.024,467	9,369	8,901
14	17	98.750	45.145,119	780.778,683	17,295	16,827	64	67	74.204	2.072,432	18.780,412	9,062	8,594
15	18	98.710	42.673,153	735.633,563	17,239	16,771	65	68	72.290	1.909,212	16.707,980	8,751	8,284
16	19	98.658	40.331,742	692.960,410	17,182	16,714	66	69	70.212	1.753,496	14.798,767	8,440	7,972
17	20	98.593	38.113,588	652.628,667	17,123	16,656	67	70	67.990	1.605,674	13.045,272	8,124	7,657
18	21	98.512	36.011,572	614.515,080	17,064	16,597	68	71	65.588	1.464,725	11.439,598	7,810	7,342
19	22	98.413	34.019,340	578.503,508	17,005	16,538	69	72	62.999	1.330,415	9.974,873	7,498	7,030
20	23	98.307	32.134,977	544.484,168	16,944	16,476	70	73	60.270	1.203,580	8.644,458	7,182	6,715
21	24	98.207	30.356,660	512.349,191	16,878	16,410	71	74	57.358	1.083,154	7.440,878	6,870	6,402
22	25	98.103	28.675,761	481.992,531	16,808	16,341	72	75	54.288	969,425	6.357,724	6,558	6,091
23	26	98.005	27.089,446	453.316,770	16,734	16,266	73	76	51.018	861,510	5.388,299	6,254	5,787
24	27	97.905	25.590,344	426.227,324	16,656	16,188	74	77	47.620	760,401	4.526,790	5,953	5,486
25	28	97.806	24.174,302	400.636,980	16,573	16,105	75	78	44.115	666,128	3.766,388	5,654	5,187
26	29	97.705	22.836,358	376.462,678	16,485	16,018	76	79	40.516	578,518	3.100,261	5,359	4,891
27	30	97.607	21.572,905	353.626,320	16,392	15,925	77	80	36.875	497,906	2.521,743	5,065	4,597
28	31	97.505	20.378,646	332.053,415	16,294	15,827	78	81	33.159	423,381	2.023,836	4,780	4,313
29	32	97.398	19.249,545	311.674,769	16,191	15,724	79	82	29.410	355,094	1.600,456	4,507	4,040
30	33	97.295	18.183,608	292.425,224	16,082	15,614	80	83	25.677	293,171	1.245,361	4,248	3,780
31	34	97.185	17.175,474	274.241,616	15,967	15,499	81	84	22.066	238,237	952,191	3,997	3,529
32	35	97.063	16.221,149	257.066,142	15,848	15,380	82	85	18.626	190,169	713,954	3,754	3,287
33	36	96.934	15.318,735	240.844,994	15,722	15,255	83	86	15.413	148,801	523,785	3,520	3,052
34	37	96.794	14.464,910	225.526,259	15,591	15,124	84	87	12.447	113,633	374,983	3,300	2,832
35	38	96.642	13.656,958	211.061,349	15,454	14,987	85	88	9.769	84,336	261,351	3,099	2,631
36	39	96.474	12.891,842	197.404,391	15,312	14,845	86	89	7.498	61,212	177,015	2,892	2,424
37	40	96.288	12.167,361	184.512,549	15,165	14,697	87	90	5.541	42,773	115,803	2,707	2,240
38	41	96.088	11.481,880	172.345,188	15,010	14,543	88	91	3.939	28,755	73,029	2,540	2,072
39	42	95.860	10.831,891	160.863,308	14,851	14,383	89	92	2.671	18,439	44,275	2,401	1,934
40	43	95.605	10.215,633	150.031,418	14,686	14,219	90	93	1.741	11,364	25,836	2,274	1,806
41	44	95.316	9.631,019	139.815,784	14,517	14,050	91	94	1.089	6,721	14,472	2,153	1,686
42	45	95.003	9.077,392	130.184,765	14,342	13,874	92	95	649	3,787	7,751	2,047	1,579
43	46	94.643	8.551,306	121.107,373	14,162	13,695	93	96	368	2,033	3,964	1,950	1,482
44	47	94.239	8.051,837	112.556,067	13,979	13,511	94	97	199	1,037	1,931	1,862	1,394
45	48	93.804	7.578,836	104.504,230	13,789	13,321	95	98	102	0,502	0,894	1,781	1,314
46	49	93.317	7.129,549	96.925,394	13,595	13,127	96	99	49	0,229	0,392	1,708	1,241
47	50	92.776	6.702,836	89.795,845	13,397	12,929	97	100	22	0,099	0,163	1,642	1,174
48	51	92.195	6.298,668	83.093,009	13,192	12,725	98	101	10	0,040	0,064	1,582	1,114
49	52	91.563	5.915,397	76.794,340	12,982	12,515	99	102	4	0,015	0,023	1,527	1,059
							100	103	1	0,005	0,008	1,477	1,009

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -4 Jahre

Zinsfuß 5,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	4	99.548	99.547,849	1.767.900,949	17,759	17,292	50	54	90.590	5.534,284	70.106,726	12,668	12,200
1	5	99.081	93.693,506	1.668.353,100	17,806	17,339	51	55	89.828	5.189,320	64.572,442	12,443	11,976
2	6	99.028	88.551,690	1.574.659,593	17,782	17,315	52	56	89.024	4.863,249	59.383,122	12,211	11,743
3	7	98.999	83.712,250	1.486.107,903	17,753	17,285	53	57	88.146	4.553,491	54.519,873	11,973	11,506
4	8	98.972	79.139,186	1.402.395,653	17,721	17,253	54	58	87.201	4.259,740	49.966,382	11,730	11,262
5	9	98.949	74.818,891	1.323.256,467	17,686	17,219	55	59	86.192	3.981,505	45.706,643	11,480	11,012
6	10	98.929	70.736,465	1.248.437,576	17,649	17,182	56	60	85.112	3.717,837	41.725,138	11,223	10,755
7	11	98.910	66.876,854	1.177.701,111	17,610	17,142	57	61	83.981	3.468,953	38.007,301	10,956	10,489
8	12	98.888	63.226,785	1.110.824,257	17,569	17,101	58	62	82.786	3.233,650	34.538,348	10,681	10,213
9	13	98.868	59.776,736	1.047.597,472	17,525	17,058	59	63	81.481	3.009,624	31.304,699	10,402	9,934
10	14	98.849	56.515,698	987.820,736	17,479	17,011	60	64	80.076	2.796,911	28.295,074	10,117	9,649
11	15	98.828	53.431,492	931.305,038	17,430	16,962	61	65	78.595	2.595,934	25.498,163	9,822	9,355
12	16	98.796	50.509,908	877.873,547	17,380	16,913	62	66	77.017	2.405,490	22.902,230	9,521	9,053
13	17	98.763	47.747,155	827.363,639	17,328	16,860	63	67	75.292	2.223,732	20.496,739	9,217	8,750
14	18	98.728	45.135,187	779.616,484	17,273	16,805	64	68	73.449	2.051,366	18.273,007	8,908	8,440
15	19	98.681	42.660,881	734.481,298	17,217	16,749	65	69	71.463	1.887,375	16.221,641	8,595	8,127
16	20	98.631	40.320,562	691.820,417	17,158	16,690	66	70	69.316	1.731,124	14.334,266	8,280	7,813
17	21	98.562	38.101,549	651.499,855	17,099	16,631	67	71	67.023	1.582,851	12.603,142	7,962	7,495
18	22	98.488	36.002,761	613.398,306	17,038	16,570	68	72	64.524	1.440,978	11.020,290	7,648	7,180
19	23	98.386	34.010,130	577.395,545	16,977	16,510	69	73	61.863	1.306,429	9.579,312	7,332	6,865
20	24	98.282	32.126,593	543.385,415	16,914	16,446	70	74	59.042	1.179,060	8.272,883	7,017	6,549
21	25	98.180	30.348,413	511.258,822	16,846	16,379	71	75	56.053	1.058,500	7.093,823	6,702	6,234
22	26	98.079	28.668,705	480.910,409	16,775	16,307	72	76	52.880	944,290	6.035,323	6,391	5,924
23	27	97.978	27.081,862	452.241,705	16,699	16,231	73	77	49.542	836,570	5.091,033	6,086	5,618
24	28	97.877	25.582,886	425.159,842	16,619	16,151	74	78	46.071	735,664	4.254,463	5,783	5,316
25	29	97.776	24.167,126	399.576,956	16,534	16,066	75	79	42.480	641,440	3.518,799	5,486	5,018
26	30	97.676	22.829,674	375.409,830	16,444	15,976	76	80	38.812	554,182	2.877,360	5,192	4,725
27	31	97.575	21.565,841	352.580,156	16,349	15,881	77	81	35.079	473,651	2.323,178	4,905	4,437
28	32	97.470	20.371,367	331.014,315	16,249	15,781	78	82	31.311	399,780	1.849,527	4,626	4,159
29	33	97.364	19.242,700	310.642,948	16,143	15,676	79	83	27.509	332,147	1.449,747	4,365	3,897
30	34	97.256	18.176,342	291.400,248	16,032	15,564	80	84	23.837	272,163	1.117,600	4,106	3,639
31	35	97.140	17.167,422	273.223,906	15,915	15,448	81	85	20.293	219,092	845,437	3,859	3,391
32	36	97.013	16.212,844	256.056,484	15,793	15,326	82	86	17.009	173,658	626,345	3,607	3,139
33	37	96.879	15.310,072	239.843,640	15,666	15,198	83	87	13.859	133,800	452,688	3,383	2,916
34	38	96.735	14.456,040	224.533,567	15,532	15,065	84	88	10.980	100,238	318,888	3,181	2,714
35	39	96.575	13.647,405	210.077,528	15,393	14,926	85	89	8.484	73,243	218,650	2,985	2,518
36	40	96.396	12.881,525	196.430,123	15,249	14,781	86	90	6.387	52,139	145,407	2,789	2,321
37	41	96.204	12.156,775	183.548,598	15,098	14,631	87	91	4.635	35,781	93,267	2,607	2,139
38	42	95.993	11.470,530	171.391,822	14,942	14,474	88	92	3.201	23,366	57,486	2,460	1,993
39	43	95.753	10.819,708	159.921,292	14,781	14,313	89	93	2.122	14,652	34,120	2,329	1,861
40	44	95.481	10.202,373	149.101,584	14,614	14,147	90	94	1.351	8,818	19,469	2,208	1,740
41	45	95.184	9.617,613	138.899,211	14,442	13,975	91	95	824	5,087	10,650	2,094	1,626
42	46	94.852	9.062,995	129.281,598	14,265	13,797	92	96	478	2,792	5,563	1,993	1,525
43	47	94.473	8.535,948	120.218,602	14,084	13,616	93	97	264	1,458	2,771	1,901	1,433
44	48	94.056	8.036,179	111.682,654	13,897	13,430	94	98	138	0,723	1,313	1,817	1,349
45	49	93.605	7.562,769	103.646,475	13,705	13,237	95	99	69	0,339	0,590	1,741	1,273
46	50	93.092	7.112,390	96.083,706	13,509	13,042	96	100	32	0,150	0,251	1,672	1,204
47	51	92.542	6.685,900	88.971,315	13,307	12,840	97	101	14	0,063	0,101	1,609	1,141
48	52	91.939	6.281,175	82.285,415	13,100	12,633	98	102	6	0,025	0,038	1,551	1,084
49	53	91.287	5.897,514	76.004,240	12,888	12,420	99	103	2	0,009	0,014	1,499	1,031
							100	104	1	0,003	0,005	1,452	0,984

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -5 Jahre

Zinsfuß 5,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	5	99.535	99.534,992	1.766.536,526	17,748	17,280	50	55	90.275	5.515,035	69.277,171	12,562	12,094
1	6	99.068	93.681,259	1.667.001,534	17,794	17,327	51	56	89.487	5.169,669	63.762,136	12,334	11,866
2	7	99.019	88.543,531	1.573.320,275	17,769	17,301	52	57	88.666	4.843,724	58.592,467	12,097	11,629
3	8	98.990	83.704,959	1.484.776,745	17,738	17,271	53	58	87.753	4.533,168	53.748,743	11,857	11,389
4	9	98.963	79.131,589	1.401.071,786	17,706	17,238	54	59	86.781	4.239,226	49.215,575	11,610	11,142
5	10	98.943	74.814,057	1.321.940,196	17,670	17,202	55	60	85.754	3.961,264	44.976,349	11,354	10,886
6	11	98.921	70.730,517	1.247.126,139	17,632	17,165	56	61	84.644	3.697,373	41.015,085	11,093	10,625
7	12	98.900	66.870,582	1.176.395,623	17,592	17,125	57	62	83.508	3.449,432	37.317,712	10,819	10,351
8	13	98.880	63.221,415	1.109.525,041	17,550	17,082	58	63	82.265	3.213,301	33.868,280	10,540	10,072
9	14	98.858	59.770,944	1.046.303,625	17,505	17,038	59	64	80.926	2.989,153	30.654,980	10,255	9,788
10	15	98.838	56.509,112	986.532,681	17,458	16,990	60	65	79.490	2.776,458	27.665,826	9,964	9,497
11	16	98.811	53.421,945	930.023,569	17,409	16,941	61	66	77.953	2.574,732	24.889,368	9,667	9,199
12	17	98.775	50.499,211	876.601,624	17,359	16,891	62	67	76.320	2.383,705	22.314,637	9,361	8,894
13	18	98.741	47.736,649	826.102,413	17,305	16,838	63	68	74.526	2.201,128	19.930,932	9,055	8,587
14	19	98.700	45.122,206	778.365,764	17,250	16,783	64	69	72.609	2.027,903	17.729,804	8,743	8,275
15	20	98.654	42.649,055	733.243,558	17,192	16,725	65	70	70.552	1.863,296	15.701,901	8,427	7,959
16	21	98.600	40.307,827	690.594,503	17,133	16,665	66	71	68.331	1.706,519	13.838,605	8,109	7,642
17	22	98.538	38.092,227	650.286,676	17,071	16,604	67	72	65.937	1.557,190	12.132,086	7,791	7,323
18	23	98.461	35.993,013	612.194,449	17,009	16,541	68	73	63.361	1.414,999	10.574,896	7,473	7,006
19	24	98.361	34.001,257	576.201,436	16,946	16,479	69	74	60.603	1.279,814	9.159,898	7,157	6,690
20	25	98.255	32.117,865	542.200,179	16,882	16,414	70	75	57.698	1.152,223	7.880,084	6,839	6,371
21	26	98.156	30.340,945	510.082,314	16,812	16,344	71	76	54.600	1.031,055	6.727,861	6,525	6,058
22	27	98.052	28.660,678	479.741,369	16,739	16,271	72	77	51.349	916,955	5.696,806	6,213	5,745
23	28	97.949	27.073,970	451.080,691	16,661	16,193	73	78	47.930	809,355	4.779,851	5,906	5,438
24	29	97.847	25.575,293	424.006,721	16,579	16,111	74	79	44.363	708,398	3.970,497	5,605	5,137
25	30	97.748	24.160,052	398.431,428	16,491	16,024	75	80	40.693	614,457	3.262,098	5,309	4,841
26	31	97.644	22.822,199	374.271,376	16,399	15,932	76	81	36.921	527,185	2.647,641	5,022	4,555
27	32	97.540	21.558,138	351.449,177	16,302	15,835	77	82	33.124	447,248	2.120,456	4,741	4,274
28	33	97.435	20.364,123	329.891,039	16,200	15,732	78	83	29.287	373,945	1.673,208	4,474	4,007
29	34	97.325	19.235,011	309.526,916	16,092	15,624	79	84	25.538	308,346	1.299,264	4,214	3,746
30	35	97.211	18.167,821	290.291,905	15,978	15,511	80	85	21.922	250,291	990,918	3,959	3,491
31	36	97.090	17.158,633	272.124,084	15,859	15,392	81	86	18.531	200,069	740,627	3,702	3,234
32	37	96.958	16.203,677	254.965,451	15,735	15,267	82	87	15.294	156,150	540,557	3,462	2,994
33	38	96.820	15.300,684	238.761,775	15,605	15,137	83	88	12.225	118,028	384,407	3,257	2,789
34	39	96.667	14.445,928	223.461,091	15,469	15,001	84	89	9.535	87,054	266,379	3,060	2,592
35	40	96.497	13.636,483	209.015,163	15,328	14,860	85	90	7.226	62,387	179,325	2,874	2,407
36	41	96.313	12.870,318	195.378,680	15,181	14,713	86	91	5.343	43,616	116,938	2,681	2,213
37	42	96.109	12.144,758	182.508,362	15,028	14,560	87	92	3.766	29,076	73,322	2,522	2,054
38	43	95.885	11.457,630	170.363,603	14,869	14,401	88	93	2.543	18,567	44,246	2,383	1,915
39	44	95.628	10.805,664	158.905,973	14,706	14,238	89	94	1.647	11,370	25,679	2,259	1,791
40	45	95.348	10.188,171	148.100,309	14,536	14,069	90	95	1.022	6,674	14,309	2,144	1,676
41	46	95.033	9.602,359	137.912,138	14,362	13,895	91	96	608	3,750	7,635	2,036	1,568
42	47	94.682	9.046,718	128.309,779	14,183	13,715	92	97	343	2,002	3,885	1,940	1,473
43	48	94.289	8.519,349	119.263,060	13,999	13,532	93	98	184	1,016	1,883	1,853	1,386
44	49	93.857	8.019,143	110.743,711	13,810	13,342	94	99	94	0,489	0,867	1,774	1,306
45	50	93.379	7.544,568	102.724,569	13,616	13,148	95	100	45	0,222	0,378	1,702	1,234
46	51	92.857	7.094,420	95.180,001	13,416	12,949	96	101	20	0,095	0,156	1,636	1,168
47	52	92.285	6.667,332	88.085,581	13,212	12,744	97	102	9	0,038	0,061	1,576	1,109
48	53	91.661	6.262,186	81.418,249	13,002	12,534	98	103	3	0,015	0,022	1,522	1,054
49	54	90.998	5.878,892	75.156,063	12,784	12,316	99	104	1	0,005	0,008	1,472	1,005
							100	105	0	0,002	0,002	1,427	0,960

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -6 Jahre

Zinsfuß 5,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	6	99.522	99.521,980	1.765.073,940	17,736	17,268	50	56	89.933	5.494,150	68.387,831	12,447	11,980
1	7	99.059	93.672,626	1.665.551,959	17,781	17,313	51	57	89.128	5.148,914	62.893,681	12,215	11,747
2	8	99.010	88.535,819	1.571.879,333	17,754	17,287	52	58	88.271	4.822,106	57.744,767	11,975	11,507
3	9	98.981	83.696,924	1.483.343,514	17,723	17,255	53	59	87.330	4.511,338	52.922,661	11,731	11,263
4	10	98.956	79.126,476	1.399.646,590	17,689	17,221	54	60	86.340	4.217,675	48.411,323	11,478	11,011
5	11	98.935	74.807,765	1.320.520,113	17,652	17,185	55	61	85.282	3.939,460	44.193,648	11,218	10,751
6	12	98.912	70.723,884	1.245.712,348	17,614	17,146	56	62	84.167	3.676,566	40.254,188	10,949	10,481
7	13	98.892	66.864,903	1.174.988,464	17,573	17,105	57	63	82.983	3.427,725	36.577,621	10,671	10,204
8	14	98.870	63.215,290	1.108.123,561	17,529	17,062	58	64	81.705	3.191,444	33.149,897	10,387	9,920
9	15	98.847	59.763,979	1.044.908,272	17,484	17,016	59	65	80.335	2.967,294	29.958,453	10,096	9,629
10	16	98.820	56.499,016	985.144,292	17,436	16,969	60	66	78.841	2.753,782	26.991,158	9,801	9,334
11	17	98.790	53.410,632	928.645,276	17,387	16,919	61	67	77.247	2.551,413	24.237,377	9,500	9,032
12	18	98.754	50.488,100	875.234,645	17,335	16,868	62	68	75.544	2.359,474	21.685,963	9,191	8,723
13	19	98.712	47.722,921	824.746,545	17,282	16,814	63	69	73.674	2.175,952	19.326,489	8,882	8,414
14	20	98.672	45.109,698	777.023,624	17,225	16,758	64	70	71.683	2.002,031	17.150,537	8,567	8,099
15	21	98.623	42.635,584	731.913,926	17,167	16,699	65	71	69.549	1.836,812	15.148,506	8,247	7,780
16	22	98.576	40.297,965	689.278,342	17,105	16,637	66	72	67.223	1.678,852	13.311,694	7,929	7,461
17	23	98.511	38.081,914	648.980,378	17,042	16,574	67	73	64.748	1.529,115	11.632,841	7,608	7,140
18	24	98.435	35.983,623	610.898,464	16,977	16,510	68	74	62.070	1.386,172	10.103,727	7,289	6,821
19	25	98.334	33.992,019	574.914,841	16,913	16,446	69	75	59.223	1.250,683	8.717,555	6,970	6,503
20	26	98.231	32.109,961	540.922,822	16,846	16,378	70	76	56.202	1.122,348	7.466,872	6,653	6,185
21	27	98.129	30.332,451	508.812,861	16,775	16,307	71	77	53.019	1.001,208	6.344,523	6,337	5,869
22	28	98.023	28.652,326	478.480,410	16,700	16,232	72	78	49.679	887,124	5.343,315	6,023	5,556
23	29	97.920	27.065,934	449.828,084	16,620	16,152	73	79	46.153	779,358	4.456,191	5,718	5,250
24	30	97.819	25.567,807	422.762,150	16,535	16,067	74	80	42.497	678,599	3.676,833	5,418	4,951
25	31	97.716	24.152,142	397.194,344	16,446	15,978	75	81	38.711	584,524	2.998,235	5,129	4,662
26	32	97.610	22.814,047	373.042,202	16,351	15,884	76	82	34.863	497,798	2.413,711	4,849	4,381
27	33	97.505	21.550,472	350.228,155	16,252	15,784	77	83	30.983	418,345	1.915,913	4,580	4,112
28	34	97.396	20.335,986	328.677,683	16,146	15,679	78	84	27.188	347,148	1.497,568	4,314	3,846
29	35	97.279	19.225,993	308.321,696	16,037	15,569	79	85	23.486	283,567	1.150,419	4,057	3,589
30	36	97.161	18.158,520	289.095,703	15,921	15,453	80	86	20.018	228,560	866,853	3,793	3,325
31	37	97.035	17.148,930	270.937,183	15,799	15,331	81	87	16.663	179,900	638,293	3,548	3,080
32	38	96.899	16.193,740	253.788,253	15,672	15,204	82	88	13.492	137,744	458,393	3,328	2,860
33	39	96.752	15.289,981	237.594,513	15,539	15,072	83	89	10.617	102,504	320,650	3,128	2,661
34	40	96.590	14.434,367	222.304,532	15,401	14,933	84	90	8.122	74,150	218,146	2,942	2,474
35	41	96.413	13.624,620	207.870,165	15,257	14,789	85	91	6.045	52,189	143,995	2,759	2,292
36	42	96.217	12.857,596	194.245,545	15,107	14,640	86	92	4.341	35,443	91,806	2,590	2,123
37	43	96.001	12.131,100	181.387,949	14,952	14,485	87	93	2.993	23,104	56,364	2,440	1,972
38	44	95.760	11.442,758	169.256,850	14,792	14,324	88	94	1.974	14,408	33,260	2,308	1,841
39	45	95.495	10.790,623	157.814,092	14,625	14,158	89	95	1.247	8,605	18,852	2,191	1,723
40	46	95.197	10.172,013	147.023,469	14,454	13,986	90	96	754	4,920	10,246	2,082	1,615
41	47	94.862	9.585,113	136.851,457	14,277	13,810	91	97	436	2,690	5,326	1,980	1,513
42	48	94.498	9.029,126	127.266,343	14,095	13,628	92	98	239	1,395	2,636	1,890	1,422
43	49	94.089	8.501,289	118.237,217	13,908	13,441	93	99	124	0,687	1,241	1,807	1,340
44	50	93.631	7.999,843	109.735,929	13,717	13,250	94	100	61	0,320	0,554	1,732	1,265
45	51	93.144	7.525,506	101.736,086	13,519	13,051	95	101	29	0,141	0,234	1,664	1,196
46	52	92.599	7.074,717	94.210,580	13,317	12,849	96	102	13	0,058	0,094	1,602	1,134
47	53	92.006	6.647,175	87.135,863	13,109	12,641	97	103	5	0,023	0,035	1,545	1,078
48	54	91.371	6.242,413	80.488,688	12,894	12,426	98	104	2	0,008	0,012	1,494	1,026
49	55	90.682	5.858,444	74.246,275	12,673	12,206	99	105	1	0,003	0,004	1,447	0,979
							100	106					

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -7 Jahre

Zinsfuß 5,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	7	99.513	99.512,810	1.763.506,814	17,721	17,254	50	57	89.572	5.472,093	67.436,155	12,324	11,856
1	8	99.050	93.664,468	1.663.994,004	17,765	17,298	51	58	88.730	5.125,934	61.964,062	12,088	11,621
2	9	99.001	88.527,321	1.570.329,535	17,738	17,271	52	59	87.846	4.798,885	56.838,129	11,844	11,376
3	10	98.974	83.691,516	1.481.802,215	17,706	17,238	53	60	86.886	4.488,404	52.039,244	11,594	11,127
4	11	98.948	79.119,822	1.398.110,699	17,671	17,203	54	61	85.865	4.194,460	47.550,840	11,337	10,869
5	12	98.925	74.800,750	1.318.990,877	17,633	17,166	55	62	84.802	3.917,291	43.356,380	11,068	10,600
6	13	98.903	70.717,877	1.244.190,127	17,594	17,126	56	63	83.638	3.653,430	39.439,089	10,795	10,328
7	14	98.882	66.858,424	1.173.472,249	17,552	17,084	57	64	82.418	3.404,410	35.785,659	10,512	10,044
8	15	98.859	63.207,924	1.106.613,825	17,508	17,040	58	65	81.108	3.168,106	32.381,249	10,221	9,753
9	16	98.829	59.753,301	1.043.405,901	17,462	16,994	59	66	79.679	2.943,059	29.213,143	9,926	9,459
10	17	98.799	56.487,051	983.652,600	17,414	16,946	60	67	78.127	2.728,842	26.270,084	9,627	9,159
11	18	98.768	53.398,880	927.165,549	17,363	16,895	61	68	76.462	2.525,478	23.541,242	9,321	8,854
12	19	98.725	50.473,580	873.766,669	17,311	16,844	62	69	74.680	2.332,488	21.015,764	9,010	8,542
13	20	98.685	47.709,692	823.293,089	17,256	16,789	63	70	72.734	2.148,191	18.683,276	8,697	8,230
14	21	98.641	45.095,450	775.583,397	17,199	16,731	64	71	70.664	1.973,575	16.535,085	8,378	7,911
15	22	98.599	42.625,152	730.487,948	17,137	16,670	65	72	68.421	1.807,033	14.561,510	8,058	7,591
16	23	98.549	40.287,054	687.862,795	17,074	16,606	66	73	66.011	1.648,584	12.754,477	7,737	7,269
17	24	98.485	38.071,978	647.575,741	17,009	16,542	67	74	63.429	1.497,963	11.105,893	7,414	6,946
18	25	98.409	35.973,847	609.503,763	16,943	16,475	68	75	60.657	1.354,620	9.607,930	7,093	6,625
19	26	98.310	33.983,655	573.529,916	16,877	16,409	69	76	57.688	1.218,256	8.253,310	6,775	6,307
20	27	98.203	32.100,972	539.546,262	16,808	16,340	70	77	54.575	1.089,858	7.035,054	6,455	5,987
21	28	98.100	30.323,611	507.445,290	16,734	16,267	71	78	51.294	968,636	5.945,195	6,138	5,670
22	29	97.994	28.643,821	477.121,679	16,657	16,189	72	79	47.838	854,245	4.976,559	5,826	5,358
23	30	97.891	27.058,011	448.477,857	16,575	16,107	73	80	44.212	746,574	4.122,314	5,522	5,054
24	31	97.787	25.559,435	421.419,846	16,488	16,020	74	81	40.427	645,541	3.375,741	5,229	4,762
25	32	97.681	24.143,514	395.860,411	16,396	15,929	75	82	36.553	551,940	2.730,199	4,947	4,479
26	33	97.575	22.805,935	371.716,896	16,299	15,832	76	83	32.610	465,628	2.178,259	4,678	4,211
27	34	97.466	21.541,861	348.910,962	16,197	15,729	77	84	28.763	388,367	1.712,631	4,410	3,942
28	35	97.351	20.346,443	327.369,100	16,090	15,622	78	85	25.004	319,251	1.324,264	4,148	3,680
29	36	97.229	19.216,150	307.022,657	15,977	15,510	79	86	21.447	258,946	1.005,013	3,881	3,414
30	37	97.106	18.148,252	287.806,507	15,859	15,391	80	87	18.000	205,518	746,067	3,630	3,163
31	38	96.976	17.138,414	269.658,255	15,734	15,267	81	88	14.698	158,693	540,549	3,406	2,939
32	39	96.831	16.182,412	252.519,841	15,605	15,137	82	89	11.717	119,627	381,855	3,192	2,724
33	40	96.674	15.277,745	236.337,429	15,469	15,002	83	90	9.044	87,310	262,229	3,003	2,536
34	41	96.506	14.421,810	221.059,684	15,328	14,861	84	91	6.794	62,030	174,918	2,820	2,352
35	42	96.318	13.611,152	206.637,874	15,182	14,714	85	92	4.912	42,409	112,889	2,662	2,194
36	43	96.109	12.843,136	193.026,722	15,030	14,562	86	93	3.450	28,163	70,480	2,503	2,035
37	44	95.876	12.115,353	180.183,587	14,872	14,405	87	94	2.322	17,929	42,317	2,360	1,893
38	45	95.627	11.426,829	168.068,233	14,708	14,241	88	95	1.494	10,905	24,388	2,236	1,769
39	46	95.344	10.773,509	156.641,404	14,539	14,072	89	96	919	6,344	13,483	2,125	1,658
40	47	95.026	10.153,744	145.867,896	14,366	13,898	90	97	541	3,529	7,139	2,023	1,556
41	48	94.678	9.566,474	135.714,152	14,186	13,719	91	98	304	1,874	3,610	1,927	1,459
42	49	94.297	9.009,985	126.147,678	14,001	13,533	92	99	162	0,943	1,736	1,841	1,374
43	50	93.863	8.480,828	117.137,693	13,812	13,344	93	100	82	0,450	0,793	1,763	1,296
44	51	93.394	7.979,630	108.656,865	13,617	13,149	94	101	39	0,203	0,343	1,692	1,225
45	52	92.885	7.504,605	100.677,235	13,415	12,948	95	102	17	0,086	0,140	1,628	1,160
46	53	92.319	7.053,329	93.172,629	13,210	12,742	96	103	7	0,035	0,054	1,569	1,101
47	54	91.715	6.626,187	86.119,300	12,997	12,529	97	104	3	0,013	0,020	1,515	1,048
48	55	91.054	6.220,700	79.493,114	12,779	12,311	98	105	1	0,005	0,007	1,467	0,999
49	56	90.339	5.836,259	73.272,414	12,555	12,087	99	106					
							100	107					

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -8 Jahre

Zinsfuß 5,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	8	99.504	99.504,143	1.761.824,280	17,706	17,238	50	58	89.172	5.447,670	66.419,073	12,192	11,725
1	9	99.041	93.655,477	1.662.320,136	17,749	17,282	51	59	88.303	5.101,249	60.971,403	11,952	11,485
2	10	98.994	88.521,600	1.568.664,659	17,721	17,253	52	60	87.399	4.774,488	55.870,154	11,702	11,234
3	11	98.966	83.684,478	1.480.143,059	17,687	17,220	53	61	86.408	4.463,698	51.095,665	11,447	10,979
4	12	98.939	79.112,402	1.396.458,581	17,652	17,184	54	62	85.382	4.170,856	46.631,967	11,180	10,713
5	13	98.917	74.794,397	1.317.346,178	17,613	17,145	55	63	84.268	3.892,640	42.461,111	10,908	10,440
6	14	98.894	70.711,025	1.242.551,781	17,572	17,105	56	64	83.069	3.628,580	38.568,471	10,629	10,162
7	15	98.871	66.850,634	1.171.840,756	17,529	17,062	57	65	81.816	3.379,514	34.939,891	10,339	9,871
8	16	98.841	63.196,630	1.104.990,122	17,485	17,017	58	66	80.445	3.142,231	31.560,377	10,044	9,576
9	17	98.808	59.740,647	1.041.793,492	17,439	16,971	59	67	78.957	2.916,405	28.418,146	9,744	9,277
10	18	98.777	56.474,623	982.052,845	17,389	16,922	60	68	77.333	2.701,103	25.501,741	9,441	8,974
11	19	98.740	53.383,523	925.578,222	17,338	16,871	61	69	75.588	2.496,593	22.800,638	9,133	8,665
12	20	98.698	50.459,588	872.194,699	17,285	16,817	62	70	73.727	2.302,729	20.304,045	8,817	8,350
13	21	98.654	47.694,622	821.735,110	17,229	16,762	63	71	71.700	2.117,658	18.001,316	8,501	8,033
14	22	98.617	45.084,416	774.040,488	17,169	16,701	64	72	69.518	1.941,579	15.883,658	8,181	7,713
15	23	98.572	42.613,612	728.956,072	17,106	16,639	65	73	67.188	1.774,454	13.942,079	7,857	7,390
16	24	98.523	40.276,543	686.342,460	17,041	16,573	66	74	64.666	1.614,998	12.167,625	7,534	7,067
17	25	98.459	38.061,635	646.065,917	16,974	16,507	67	75	61.985	1.463,867	10.552,626	7,209	6,741
18	26	98.385	35.964,995	608.004,282	16,905	16,438	68	76	59.085	1.319,498	9.088,759	6,888	6,420
19	27	98.282	33.974,141	572.039,288	16,837	16,370	69	77	56.018	1.182,989	7.769,261	6,567	6,100
20	28	98.175	32.091,617	538.065,147	16,767	16,299	70	78	52.800	1.054,402	6.586,272	6,246	5,779
21	29	98.071	30.314,610	505.973,530	16,691	16,223	71	79	49.393	932,737	5.531,869	5,931	5,463
22	30	97.965	28.635,437	475.658,920	16,611	16,143	72	80	45.825	818,310	4.599,133	5,620	5,153
23	31	97.859	27.049,152	447.023,483	16,526	16,059	73	81	42.058	710,205	3.780,822	5,324	4,856
24	32	97.752	25.550,305	419.974,331	16,437	15,970	74	82	38.173	609,556	3.070,618	5,037	4,570
25	33	97.646	24.134,930	394.424,025	16,342	15,875	75	83	34.191	516,272	2.461,062	4,767	4,299
26	34	97.536	22.796,822	370.289,096	16,243	15,775	76	84	30.273	432,262	1.944,790	4,499	4,032
27	35	97.420	21.531,762	347.492,274	16,139	15,671	77	85	26.451	357,157	1.512,528	4,235	3,767
28	36	97.301	20.336,027	325.960,512	16,029	15,561	78	86	22.833	291,532	1.155,370	3,963	3,496
29	37	97.174	19.205,284	305.624,485	15,914	15,446	79	87	19.284	232,840	863,838	3,710	3,242
30	38	97.046	18.137,123	286.419,201	15,792	15,324	80	88	15.878	181,292	630,998	3,481	3,013
31	39	96.908	17.126,425	268.282,078	15,665	15,197	81	89	12.765	137,821	449,706	3,263	2,795
32	40	96.754	16.169,462	251.155,653	15,533	15,065	82	90	9.980	101,895	311,885	3,061	2,593
33	41	96.590	15.264,454	234.986,190	15,394	14,927	83	91	7.565	73,039	209,990	2,875	2,407
34	42	96.410	14.407,554	219.721,737	15,250	14,783	84	92	5.521	50,405	136,951	2,717	2,249
35	43	96.210	13.595,844	205.314,183	15,101	14,634	85	93	3.903	33,698	86,546	2,568	2,101
36	44	95.984	12.826,465	191.718,339	14,947	14,480	86	94	2.677	21,855	52,848	2,418	1,951
37	45	95.743	12.098,488	178.891,874	14,786	14,319	87	95	1.758	13,570	30,993	2,284	1,816
38	46	95.475	11.408,706	166.793,386	14,620	14,152	88	96	1.101	8,039	17,423	2,167	1,700
39	47	95.172	10.754,160	155.384,679	14,449	13,981	89	97	659	4,550	9,384	2,063	1,595
40	48	94.841	10.133,999	144.630,520	14,272	13,804	90	98	377	2,459	4,834	1,966	1,499
41	49	94.477	9.546,193	134.496,521	14,089	13,621	91	99	205	1,267	2,375	1,875	1,408
42	50	94.070	8.988,300	124.950,328	13,901	13,434	92	100	106	0,618	1,109	1,794	1,327
43	51	93.626	8.459,400	115.962,028	13,708	13,240	93	101	52	0,285	0,491	1,721	1,253
44	52	93.135	7.957,469	107.502,627	13,510	13,042	94	102	24	0,124	0,206	1,654	1,186
45	53	92.604	7.481,917	99.545,158	13,305	12,837	95	103	10	0,051	0,081	1,593	1,125
46	54	92.028	7.031,058	92.063,241	13,094	12,626	96	104	4	0,020	0,030	1,537	1,070
47	55	91.396	6.603,139	85.032,183	12,878	12,410	97	105	2	0,007	0,011	1,487	1,019
48	56	90.709	6.197,143	78.429,044	12,656	12,188	98	106					
49	57	89.976	5.812,828	72.231,901	12,426	11,959	99	107					
							100	108					

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -9 Jahre

Zinsfuß 5,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	9	99.495	99.494,592	1.760.018,494	17,690	17,222	50	59	88.743	5.421,436	65.334,736	12,051	11,584
1	10	99.034	93.649,426	1.660.523,902	17,731	17,264	51	60	87.854	5.075,316	59.913,299	11,805	11,337
2	11	98.986	88.514,156	1.566.874,477	17,702	17,234	52	61	86.918	4.748,208	54.837,984	11,549	11,082
3	12	98.957	83.676,630	1.478.360,321	17,668	17,200	53	62	85.922	4.438,579	50.089,775	11,285	10,818
4	13	98.930	79.105,684	1.394.683,690	17,631	17,163	54	63	84.845	4.144,609	45.651,196	11,015	10,547
5	14	98.907	74.787,150	1.315.578,007	17,591	17,123	55	64	83.695	3.866,163	41.506,587	10,736	10,268
6	15	98.882	70.702,786	1.240.790,856	17,549	17,082	56	65	82.461	3.602,045	37.640,423	10,450	9,982
7	16	98.853	66.838,690	1.170.088,071	17,506	17,039	57	66	81.147	3.351,912	34.038,378	10,155	9,687
8	17	98.820	63.183,247	1.103.249,381	17,461	16,994	58	67	79.717	3.113,773	30.686,466	9,855	9,387
9	18	98.787	59.727,503	1.040.066,134	17,414	16,946	59	68	78.154	2.886,760	27.572,693	9,551	9,084
10	19	98.749	56.458,381	980.338,631	17,364	16,896	60	69	76.448	2.670,209	24.685,934	9,245	8,777
11	20	98.712	53.368,725	923.880,250	17,311	16,844	61	70	74.623	2.464,741	22.015,725	8,932	8,465
12	21	98.667	50.443,650	870.511,525	17,257	16,790	62	71	72.679	2.270,000	19.550,984	8,613	8,145
13	22	98.630	47.682,953	820.067,875	17,198	16,731	63	72	70.538	2.083,326	17.280,984	8,295	7,827
14	23	98.590	45.072,210	772.384,922	17,137	16,669	64	73	68.265	1.906,574	15.197,658	7,971	7,504
15	24	98.546	42.602,494	727.312,712	17,072	16,604	65	74	65.819	1.738,304	13.291,084	7,646	7,178
16	25	98.496	40.265,601	684.710,218	17,005	16,537	66	75	63.194	1.578,238	11.552,780	7,320	6,852
17	26	98.434	38.052,269	644.444,617	16,936	16,468	67	76	60.378	1.425,913	9.974,542	6,995	6,528
18	27	98.357	35.954,926	606.392,348	16,865	16,398	68	77	57.374	1.281,301	8.548,629	6,672	6,204
19	28	98.254	33.968,240	570.437,423	16,795	16,328	69	78	54.195	1.144,504	7.267,328	6,350	5,882
20	29	98.145	32.082,091	536.473,183	16,722	16,254	70	79	50.843	1.015,324	6.122,825	6,030	5,563
21	30	98.042	30.305,737	504.391,092	16,643	16,176	71	80	47.315	893,500	5.107,501	5,716	5,249
22	31	97.933	28.626,061	474.085,355	16,561	16,094	72	81	43.593	778,447	4.214,001	5,413	4,946
23	32	97.824	27.039,490	445.459,293	16,474	16,007	73	82	39.714	670,615	3.435,554	5,123	4,655
24	33	97.717	25.541,220	418.419,804	16,382	15,915	74	83	35.707	570,164	2.764,939	4,849	4,382
25	34	97.607	24.125,286	392.878,583	16,285	15,817	75	84	31.741	479,277	2.194,775	4,579	4,112
26	35	97.490	22.786,134	368.753,298	16,183	15,716	76	85	27.840	397,525	1.715,498	4,315	3,848
27	36	97.370	21.520,739	345.967,163	16,076	15,608	77	86	24.155	326,147	1.317,973	4,041	3,573
28	37	97.246	20.324,527	324.446,425	15,963	15,496	78	87	20.531	262,142	991,825	3,784	3,316
29	38	97.115	19.193,507	304.121,897	15,845	15,377	79	88	17.011	205,394	729,684	3,553	3,085
30	39	96.979	18.124,436	284.928,390	15,721	15,253	80	89	13.790	157,447	524,290	3,330	2,862
31	40	96.830	17.112,720	266.803,954	15,591	15,123	81	90	10.873	117,392	366,843	3,125	2,657
32	41	96.670	16.155,395	249.691,234	15,456	14,988	82	91	8.349	85,239	249,451	2,926	2,459
33	42	96.495	15.249,365	233.535,839	15,314	14,847	83	92	6.148	59,351	164,212	2,767	2,299
34	43	96.302	14.391,350	218.286,474	15,168	14,700	84	93	4.387	40,052	104,860	2,618	2,151
35	44	96.085	13.578,196	203.895,124	15,016	14,549	85	94	3.029	26,150	64,808	2,478	2,011
36	45	95.851	12.808,610	190.316,928	14,859	14,391	86	95	2.026	16,541	38,658	2,337	1,870
37	46	95.591	12.079,300	177.508,317	14,695	14,228	87	96	1.296	10,004	22,117	2,211	1,743
38	47	95.304	11.388,216	165.429,017	14,526	14,059	88	97	790	5,766	12,113	2,101	1,633
39	48	94.987	10.733,247	154.040,801	14,352	13,884	89	98	459	3,170	6,347	2,002	1,535
40	49	94.640	10.112,515	143.307,555	14,171	13,704	90	99	255	1,662	3,177	1,912	1,444
41	50	94.250	9.523,218	133.195,039	13,986	13,519	91	100	134	0,830	1,515	1,826	1,358
42	51	93.833	8.965,590	123.671,821	13,794	13,326	92	101	67	0,392	0,685	1,750	1,282
43	52	93.366	8.435,907	114.706,231	13,597	13,130	93	102	32	0,175	0,294	1,680	1,213
44	53	92.853	7.933,412	106.270,324	13,395	12,928	94	103	14	0,074	0,119	1,617	1,150
45	54	92.312	7.458,293	98.336,912	13,185	12,717	95	104	6	0,029	0,045	1,560	1,092
46	55	91.707	7.006,602	90.878,619	12,970	12,503	96	105	2	0,011	0,016	1,507	1,039
47	56	91.050	6.578,134	83.872,018	12,750	12,283	97	106					
48	57	90.345	6.172,263	77.293,884	12,523	12,055	98	107					
49	58	89.574	5.786,885	71.121,620	12,290	11,823	99	108					
							100	109					

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -10 Jahre

Zinsfuß 5,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	10	99.488	99.488,163	1.758.082,774	17,671	17,204	50	60	88.292	5.393,875	64.180,733	11,899	11,431
1	11	99.026	93.641,550	1.658.594,611	17,712	17,245	51	61	87.371	5.047,380	58.786,858	11,647	11,179
2	12	98.977	88.505,855	1.564.953,061	17,682	17,214	52	62	86.429	4.721,489	53.739,478	11,382	10,914
3	13	98.948	83.669,524	1.476.447,205	17,646	17,179	53	63	85.381	4.410,648	49.017,990	11,114	10,646
4	14	98.921	79.098,019	1.392.777,681	17,608	17,141	54	64	84.267	4.116,418	44.607,342	10,836	10,369
5	15	98.896	74.778,436	1.313.679,662	17,568	17,100	55	65	83.083	3.837,891	40.490,923	10,550	10,083
6	16	98.865	70.690,153	1.238.901,226	17,526	17,058	56	66	81.788	3.572,626	36.653,033	10,259	9,792
7	17	98.832	66.824,535	1.168.211,073	17,482	17,014	57	67	80.412	3.321,555	33.080,407	9,959	9,492
8	18	98.798	63.169,345	1.101.386,538	17,435	16,968	58	68	78.906	3.082,121	29.758,852	9,655	9,188
9	19	98.758	59.710,326	1.038.217,193	17,388	16,920	59	69	77.260	2.853,742	26.676,730	9,348	8,880
10	20	98.722	56.442,730	978.506,867	17,336	16,869	60	70	75.473	2.636,142	23.822,988	9,037	8,569
11	21	98.681	53.351,868	922.064,137	17,283	16,815	61	71	73.563	2.429,708	21.186,846	8,720	8,252
12	22	98.643	50.431,308	868.712,269	17,226	16,758	62	72	71.501	2.233,198	18.757,138	8,399	7,932
13	23	98.603	47.670,043	818.280,960	17,166	16,698	63	73	69.266	2.045,765	16.523,940	8,077	7,610
14	24	98.565	45.060,450	770.610,918	17,102	16,634	64	74	66.874	1.867,733	14.478,175	7,752	7,284
15	25	98.520	42.590,920	725.550,467	17,035	16,568	65	75	64.321	1.698,737	12.610,442	7,423	6,956
16	26	98.472	40.255,693	682.959,547	16,966	16,498	66	76	61.556	1.537,319	10.911,705	7,098	6,630
17	27	98.407	38.041,616	642.703,855	16,895	16,427	67	77	58.630	1.384,635	9.374,386	6,770	6,303
18	28	98.328	35.944,447	604.662,239	16,822	16,355	68	78	55.508	1.239,617	7.989,752	6,445	5,978
19	29	98.225	33.954,158	568.717,791	16,750	16,282	69	79	52.187	1.102,086	6.750,135	6,125	5,657
20	30	98.117	32.072,701	534.763,633	16,673	16,206	70	80	48.704	972,613	5.648,049	5,807	5,340
21	31	98.010	30.295,814	502.690,932	16,593	16,125	71	81	45.010	849,974	4.675,435	5,501	5,033
22	32	97.898	28.615,836	472.395,118	16,508	16,041	72	82	41.163	735,053	3.825,462	5,204	4,737
23	33	97.790	27.029,875	443.779,282	16,418	15,951	73	83	37.147	627,277	3.090,408	4,927	4,459
24	34	97.678	25.531,015	416.749,407	16,323	15,856	74	84	33.148	529,307	2.463,131	4,653	4,186
25	35	97.561	24.113,975	391.218,392	16,224	15,756	75	85	29.190	440,761	1.933,824	4,387	3,920
26	36	97.440	22.774,469	367.104,417	16,119	15,652	76	86	25.423	363,010	1.493,063	4,113	3,645
27	37	97.315	21.508,570	344.329,948	16,009	15,541	77	87	21.720	293,267	1.130,053	3,853	3,386
28	38	97.186	20.312,064	322.821,379	15,893	15,426	78	88	18.111	231,241	836,786	3,619	3,151
29	39	97.047	19.180,081	302.509,315	15,772	15,304	79	89	14.774	178,379	605,545	3,395	2,927
30	40	96.901	18.109,932	283.329,234	15,645	15,177	80	90	11.746	134,109	427,166	3,185	2,718
31	41	96.746	17.097,832	265.219,302	15,512	15,044	81	91	9.096	98,203	293,056	2,984	2,517
32	42	96.574	16.139,426	248.121,470	15,374	14,906	82	92	6.784	69,265	194,853	2,813	2,346
33	43	96.386	15.232,214	231.982,044	15,230	14,762	83	93	4.885	47,161	125,588	2,663	2,195
34	44	96.177	14.372,670	216.749,830	15,081	14,613	84	94	3.404	31,081	78,427	2,523	2,056
35	45	95.951	13.559,295	202.377,160	14,925	14,458	85	95	2.293	19,792	47,346	2,392	1,925
36	46	95.699	12.788,296	188.817,865	14,765	14,297	86	96	1.494	12,194	27,553	2,260	1,792
37	47	95.419	12.057,606	176.029,569	14,599	14,131	87	97	929	7,174	15,359	2,141	1,673
38	48	95.118	11.366,070	163.971,963	14,426	13,959	88	98	550	4,017	8,185	2,037	1,570
39	49	94.786	10.710,493	152.605,893	14,248	13,781	89	99	310	2,143	4,168	1,945	1,477
40	50	94.412	10.088,177	141.895,400	14,066	13,598	90	100	167	1,089	2,025	1,859	1,392
41	51	94.011	9.499,157	131.807,223	13,876	13,408	91	101	85	0,526	0,936	1,779	1,311
42	52	93.572	8.940,690	122.308,066	13,680	13,212	92	102	41	0,240	0,410	1,707	1,239
43	53	93.084	8.410,403	113.367,376	13,479	13,012	93	103	19	0,103	0,170	1,642	1,174
44	54	92.560	7.908,362	104.956,972	13,272	12,804	94	104	8	0,042	0,066	1,582	1,114
45	55	91.991	7.432,351	97.048,611	13,058	12,590	95	105	3	0,016	0,024	1,528	1,060
46	56	91.360	6.980,069	89.616,259	12,839	12,371	96	106					
47	57	90.685	6.551,725	82.636,191	12,613	12,145	97	107					
48	58	89.941	6.144,716	76.084,466	12,382	11,915	98	108					
49	59	89.143	5.759,017	69.939,750	12,144	11,677	99	109					
							100	110					

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -11 Jahre

Zinsfuß 5,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	11	99.480	99.479,797	1.756.005,922	17,652	17,184	50	61	87.806	5.364,185	62.954,139	11,736	11,268
1	12	99.017	93.632,769	1.656.526,125	17,692	17,224	51	62	86.879	5.018,976	57.589,954	11,474	11,007
2	13	98.968	88.498,339	1.562.893,356	17,660	17,193	52	63	85.885	4.691,777	52.570,977	11,205	10,737
3	14	98.939	83.661,417	1.474.395,017	17,623	17,156	53	64	84.800	4.380,647	47.879,201	10,930	10,462
4	15	98.909	79.088,802	1.390.733,600	17,584	17,117	54	65	83.651	4.086,316	43.498,553	10,645	10,177
5	16	98.878	74.765,075	1.311.644,798	17,544	17,076	55	66	82.405	3.806,545	39.412,237	10,354	9,886
6	17	98.844	70.675,183	1.236.879,723	17,501	17,033	56	67	81.047	3.540,270	35.605,692	10,057	9,590
7	18	98.810	66.809,832	1.166.204,540	17,456	16,988	57	68	79.595	3.287,792	32.065,422	9,753	9,285
8	19	98.770	63.151,178	1.099.394,708	17,409	16,941	58	69	78.004	3.046,869	28.777,630	9,445	8,977
9	20	98.731	59.693,774	1.036.243,530	17,359	16,892	59	70	76.275	2.817,373	25.730,761	9,133	8,665
10	21	98.690	56.424,903	976.549,756	17,307	16,839	60	71	74.400	2.598,674	22.913,427	8,817	8,350
11	22	98.657	53.338,814	920.124,853	17,251	16,783	61	72	72.370	2.390,317	20.314,754	8,499	8,031
12	23	98.616	50.417,655	866.786,039	17,192	16,725	62	73	70.212	2.192,935	17.924,437	8,174	7,706
13	24	98.577	47.657,606	816.368,384	17,130	16,662	63	74	67.855	2.004,088	15.731,502	7,850	7,382
14	25	98.538	45.048,208	768.710,779	17,064	16,597	64	75	65.352	1.825,220	13.727,414	7,521	7,053
15	26	98.495	42.580,439	723.662,570	16,995	16,528	65	76	62.653	1.654,693	11.902,194	7,193	6,725
16	27	98.445	40.244,423	681.082,131	16,924	16,456	66	77	59.774	1.492,816	10.247,501	6,865	6,397
17	28	98.378	38.030,529	640.837,708	16,851	16,383	67	78	56.723	1.339,589	8.754,685	6,535	6,068
18	29	98.299	35.933,778	602.807,179	16,776	16,308	68	79	53.450	1.193,674	7.415,096	6,212	5,744
19	30	98.196	33.944,220	566.873,400	16,700	16,233	69	80	49.992	1.055,725	6.221,422	5,893	5,425
20	31	98.085	32.062,199	532.929,180	16,622	16,154	70	81	46.332	925,233	5.165,696	5,583	5,116
21	32	97.975	30.284,992	500.866,981	16,538	16,071	71	82	42.501	802,593	4.240,463	5,283	4,816
22	33	97.863	28.605,661	470.581,989	16,451	15,983	72	83	38.503	687,551	3.437,870	5,000	4,533
23	34	97.751	27.019,075	441.976,328	16,358	15,890	73	84	34.485	582,328	2.750,319	4,723	4,255
24	35	97.632	25.519,045	414.957,253	16,261	15,793	74	85	30.484	486,771	2.167,992	4,454	3,986
25	36	97.511	24.101,630	389.438,208	16,158	15,691	75	86	26.655	402,492	1.681,220	4,177	3,709
26	37	97.385	22.761,591	365.336,578	16,051	15,583	76	87	22.860	326,413	1.278,728	3,918	3,450
27	38	97.256	21.495,380	342.574,987	15,937	15,470	77	88	19.159	258,697	952,314	3,681	3,214
28	39	97.118	20.297,856	321.079,607	15,818	15,351	78	89	15.729	200,827	693,617	3,454	2,986
29	40	96.969	19.164,732	300.781,752	15,695	15,227	79	90	12.584	151,939	492,791	3,243	2,776
30	41	96.817	18.094,176	281.617,020	15,564	15,096	80	91	9.826	112,188	340,852	3,038	2,571
31	42	96.650	17.080,931	263.522,843	15,428	14,960	81	92	7.391	79,800	228,664	2,865	2,398
32	43	96.465	16.121,274	246.441,912	15,287	14,819	82	93	5.391	55,039	148,864	2,705	2,237
33	44	96.261	15.212,443	230.320,638	15,140	14,673	83	94	3.791	36,597	93,825	2,564	2,096
34	45	96.043	14.352,663	215.108,195	14,987	14,520	84	95	2.577	23,524	57,228	2,433	1,965
35	46	95.799	13.537,790	200.755,533	14,829	14,362	85	96	1.690	14,591	33,704	2,310	1,842
36	47	95.527	12.765,328	187.217,742	14,666	14,199	86	97	1.071	8,745	19,113	2,185	1,718
37	48	95.233	12.034,158	174.452,414	14,496	14,029	87	98	648	4,999	10,367	2,074	1,606
38	49	94.917	11.341,975	162.418,256	14,320	13,853	88	99	372	2,716	5,369	1,977	1,509
39	50	94.558	10.684,716	151.076,281	14,139	13,672	89	100	203	1,404	2,653	1,890	1,422
40	51	94.174	10.062,688	140.391,565	13,952	13,484	90	101	106	0,690	1,249	1,810	1,342
41	52	93.750	9.472,775	130.328,877	13,758	13,291	91	102	52	0,322	0,559	1,734	1,266
42	53	93.289	8.913,661	120.856,102	13,559	13,091	92	103	24	0,142	0,236	1,666	1,199
43	54	92.790	8.383,847	111.942,441	13,352	12,885	93	104	11	0,059	0,095	1,605	1,137
44	55	92.238	7.880,855	103.558,594	13,141	12,673	94	105	4	0,023	0,036	1,548	1,081
45	56	91.642	7.404,206	95.677,740	12,922	12,455	95	106					
46	57	90.993	6.952,046	88.273,534	12,697	12,230	96	107					
47	58	90.280	6.522,484	81.321,488	12,468	12,000	97	108					
48	59	89.508	6.115,125	74.799,004	12,232	11,764	98	109					
49	60	88.690	5.729,740	68.683,879	11,987	11,520	99	110					
							100	111					

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -12 Jahre

Zinsfuß 5,75%

Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	12	99.470	99.470,467	1.753.781,574	17,631	17,164	50	62	87.312	5.333,999	61.652,838	11,558	11,091
1	13	99.008	93.624,817	1.654.311,107	17,670	17,202	51	63	86.332	4.987,393	56.318,839	11,292	10,825
2	14	98.959	88.489,764	1.560.686,290	17,637	17,169	52	64	85.301	4.659,864	51.331,446	11,016	10,548
3	15	98.927	83.651,668	1.472.196,526	17,599	17,132	53	65	84.180	4.348,613	46.671,582	10,733	10,265
4	16	98.891	79.074,671	1.388.544,857	17,560	17,092	54	66	82.968	4.052,941	42.322,969	10,443	9,975
5	17	98.857	74.749,242	1.309.470,186	17,518	17,051	55	67	81.658	3.772,071	38.270,028	10,146	9,678
6	18	98.822	70.659,633	1.234.720,944	17,474	17,007	56	68	80.223	3.504,283	34.497,957	9,845	9,377
7	19	98.782	66.790,618	1.164.061,311	17,429	16,961	57	69	78.685	3.250,187	30.993,674	9,536	9,068
8	20	98.742	63.133,672	1.097.270,693	17,380	16,913	58	70	77.009	3.007,997	27.743,487	9,223	8,756
9	21	98.700	59.674,919	1.034.137,020	17,330	16,862	59	71	75.191	2.777,289	24.735,490	8,906	8,439
10	22	98.666	56.411,097	974.462,101	17,274	16,807	60	72	73.194	2.556,543	21.958,200	8,589	8,121
11	23	98.630	53.324,373	918.051,004	17,216	16,749	61	73	71.065	2.347,222	19.401,658	8,266	7,798
12	24	98.590	50.404,500	864.726,631	17,156	16,688	62	74	68.781	2.148,260	17.054,436	7,939	7,471
13	25	98.551	47.644,658	814.322,131	17,092	16,624	63	75	66.310	1.958,472	14.906,176	7,611	7,144
14	26	98.514	45.037,124	766.677,473	17,023	16,556	64	76	63.658	1.777,896	12.947,704	7,283	6,815
15	27	98.468	42.568,519	721.640,349	16,952	16,485	65	77	60.839	1.606,793	11.169,808	6,952	6,484
16	28	98.416	40.232,694	679.071,830	16,879	16,411	66	78	57.829	1.444,251	9.563,015	6,621	6,154
17	29	98.349	38.019,241	638.839,136	16,803	16,335	67	79	54.620	1.289,941	8.118,765	6,294	5,826
18	30	98.270	35.923,260	600.819,895	16,725	16,258	68	80	51.202	1.143,461	6.828,824	5,972	5,504
19	31	98.164	33.933,106	564.896,635	16,647	16,180	69	81	47.556	1.004,296	5.685,363	5,661	5,193
20	32	98.050	32.050,746	530.963,529	16,566	16,099	70	82	43.749	873,657	4.681,066	5,358	4,890
21	33	97.940	30.274,224	498.912,782	16,480	16,012	71	83	39.755	750,726	3.807,409	5,072	4,604
22	34	97.824	28.594,230	468.638,558	16,389	15,922	72	84	35.744	638,282	3.056,683	4,789	4,321
23	35	97.705	27.006,408	440.044,328	16,294	15,826	73	85	31.714	535,531	2.418,401	4,516	4,048
24	36	97.582	25.505,980	413.037,920	16,194	15,726	74	86	27.837	444,508	1.882,870	4,236	3,768
25	37	97.456	24.088,002	387.531,940	16,088	15,621	75	87	23.968	361,915	1.438,362	3,974	3,507
26	38	97.325	22.747,633	363.443,938	15,977	15,510	76	88	20.165	287,936	1.076,447	3,738	3,271
27	39	97.188	21.480,344	340.696,305	15,861	15,393	77	89	16.639	224,672	788,510	3,510	3,042
28	40	97.040	20.281,612	319.215,962	15,739	15,272	78	90	13.397	171,059	563,838	3,296	2,829
29	41	96.885	19.148,059	298.934,350	15,612	15,144	79	91	10.527	127,103	392,779	3,090	2,623
30	42	96.721	18.076,290	279.786,291	15,478	15,011	80	92	7.985	91,164	265,677	2,914	2,447
31	43	96.542	17.061,721	261.710,000	15,339	14,871	81	93	5.873	63,410	174,513	2,752	2,285
32	44	96.340	16.100,348	244.648,279	15,195	14,728	82	94	4.183	42,711	111,103	2,601	2,134
33	45	96.127	15.191,267	228.547,931	15,045	14,577	83	95	2.869	27,699	68,393	2,469	2,002
34	46	95.891	14.329,899	213.356,664	14,889	14,421	84	96	1.900	17,342	40,693	2,346	1,879
35	47	95.627	13.513,477	199.026,765	14,728	14,260	85	97	1.212	10,464	23,351	2,231	1,764
36	48	95.341	12.740,504	185.513,288	14,561	14,093	86	98	746	6,093	12,887	2,115	1,647
37	49	95.032	12.008,647	172.772,784	14,387	13,920	87	99	438	3,379	6,793	2,010	1,543
38	50	94.688	11.314,678	160.764,137	14,208	13,741	88	100	244	1,779	3,414	1,919	1,452
39	51	94.319	10.657,719	149.449,460	14,023	13,555	89	101	129	0,890	1,635	1,837	1,370
40	52	93.912	10.034,742	138.791,740	13,831	13,364	90	102	65	0,423	0,745	1,762	1,294
41	53	93.467	9.444,137	128.756,999	13,634	13,166	91	103	31	0,191	0,322	1,691	1,223
42	54	92.995	8.885,516	119.312,861	13,428	12,960	92	104	14	0,081	0,132	1,627	1,160
43	55	92.467	8.354,686	110.427,346	13,217	12,750	93	105	6	0,032	0,051	1,569	1,101
44	56	91.889	7.851,011	102.072,660	13,001	12,534	94	106					
45	57	91.274	7.374,480	94.221,649	12,777	12,309	95	107					
46	58	90.587	6.921,018	86.847,169	12,548	12,081	96	108					
47	59	89.845	6.491,074	79.926,151	12,313	11,846	97	109					
48	60	89.053	6.084,037	73.435,077	12,070	11,603	98	110					
49	61	88.202	5.698,202	67.351,039	11,820	11,352	99	111					
							100	112					

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -13 Jahre

Zinsfuß 5,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	13	99.462	99.462,020	1.751.402,096	17,609	17,141	50	63	86.762	5.300,433	60.272,981	11,371	10,904
1	14	98.999	93.615,745	1.651.940,076	17,646	17,178	51	64	85.745	4.953,469	54.972,548	11,098	10,630
2	15	98.947	88.479,453	1.558.324,331	17,612	17,145	52	65	84.677	4.625,787	50.019,078	10,813	10,346
3	16	98.910	83.636,722	1.469.844,878	17,574	17,107	53	66	83.493	4.313,096	45.393,291	10,525	10,057
4	17	98.871	79.057,925	1.386.208,155	17,534	17,067	54	67	82.217	4.016,235	41.080,195	10,229	9,761
5	18	98.836	74.732,796	1.307.150,230	17,491	17,023	55	68	80.828	3.733,728	37.063,960	9,927	9,459
6	19	98.794	70.639,312	1.232.417,434	17,447	16,979	56	69	79.306	3.464,203	33.330,232	9,621	9,154
7	20	98.755	66.772,103	1.161.778,123	17,399	16,932	57	70	77.681	3.208,721	29.866,029	9,308	8,840
8	21	98.711	63.113,731	1.095.006,019	17,350	16,882	58	71	75.914	2.965,243	26.657,308	8,990	8,522
9	22	98.675	59.660,318	1.031.892,288	17,296	16,829	59	72	73.972	2.732,263	23.692,066	8,671	8,204
10	23	98.639	56.395,824	972.231,970	17,239	16,772	60	73	71.874	2.510,451	20.959,803	8,349	7,881
11	24	98.604	53.310,461	915.836,145	17,179	16,712	61	74	69.617	2.299,403	18.449,352	8,024	7,556
12	25	98.563	50.390,807	862.525,685	17,117	16,649	62	75	67.216	2.099,362	16.149,949	7,693	7,225
13	26	98.526	47.632,934	812.134,878	17,050	16,582	63	76	64.591	1.907,693	14.050,587	7,365	6,898
14	27	98.486	45.024,515	764.501,944	16,980	16,512	64	77	61.815	1.726,429	12.142,894	7,034	6,566
15	28	98.439	42.556,113	719.477,429	16,907	16,439	65	78	58.860	1.554,520	10.416,464	6,701	6,233
16	29	98.387	40.220,753	676.921,316	16,830	16,363	66	79	55.686	1.390,724	8.861,945	6,372	5,905
17	30	98.320	38.008,112	636.700,563	16,752	16,284	67	80	52.323	1.235,678	7.471,221	6,046	5,579
18	31	98.238	35.911,498	598.692,451	16,671	16,204	68	81	48.708	1.087,758	6.235,543	5,732	5,265
19	32	98.129	33.920,985	562.780,952	16,591	16,123	69	82	44.905	948,313	5.147,785	5,428	4,961
20	33	98.015	32.039,350	528.859,968	16,507	16,039	70	83	40.922	817,198	4.199,472	5,139	4,671
21	34	97.901	30.262,127	496.820,618	16,417	15,950	71	84	36.906	696,931	3.382,274	4,853	4,386
22	35	97.778	28.580,825	466.558,491	16,324	15,857	72	85	32.871	586,989	2.685,344	4,575	4,107
23	36	97.655	26.992,582	437.977,666	16,226	15,758	73	86	28.961	489,034	2.098,354	4,291	3,823
24	37	97.527	25.491,558	410.985,084	16,122	15,655	74	87	25.031	399,695	1.609,321	4,026	3,559
25	38	97.397	24.073,230	385.493,527	16,013	15,546	75	88	21.143	319,254	1.209,626	3,789	3,321
26	39	97.257	22.731,721	361.420,296	15,899	15,432	76	89	17.513	250,065	890,372	3,561	3,093
27	40	97.110	21.463,154	338.688,576	15,780	15,312	77	90	14.173	191,370	640,307	3,346	2,878
28	41	96.956	20.263,967	317.225,422	15,655	15,187	78	91	11.207	143,097	448,937	3,137	2,670
29	42	96.789	19.129,132	296.961,454	15,524	15,056	79	92	8.554	103,284	305,840	2,961	2,494
30	43	96.612	18.055,961	277.832,323	15,387	14,920	80	93	6.345	72,440	202,556	2,796	2,329
31	44	96.416	17.039,574	259.776,362	15,245	14,778	81	94	4.558	49,207	130,117	2,644	2,177
32	45	96.206	16.077,937	242.736,788	15,098	14,630	82	95	3.166	32,326	80,910	2,503	2,035
33	46	95.975	15.167,173	226.658,851	14,944	14,476	83	96	2.115	20,420	48,584	2,379	1,912
34	47	95.718	14.304,163	211.491,678	14,785	14,318	84	97	1.362	12,437	28,164	2,264	1,797
35	48	95.441	13.487,198	197.187,515	14,620	14,153	85	98	845	7,291	15,726	2,157	1,689
36	49	95.139	12.713,495	183.700,317	14,449	13,982	86	99	505	4,119	8,435	2,048	1,580
37	50	94.803	11.979,745	170.986,822	14,273	13,805	87	100	287	2,214	4,316	1,950	1,482
38	51	94.449	11.286,090	159.007,077	14,089	13,621	88	101	154	1,128	2,102	1,864	1,397
39	52	94.057	10.628,120	147.720,987	13,899	13,431	89	102	79	0,545	0,975	1,787	1,320
40	53	93.628	10.004,405	137.092,867	13,703	13,236	90	103	38	0,250	0,429	1,717	1,249
41	54	93.172	9.414,317	127.088,462	13,499	13,032	91	104	18	0,109	0,179	1,650	1,182
42	55	92.671	8.854,610	117.674,145	13,290	12,822	92	105	8	0,044	0,071	1,590	1,122
43	56	92.117	8.323,048	108.819,536	13,074	12,607	93	106					
44	57	91.520	7.819,491	100.496,488	12,852	12,384	94	107					
45	58	90.867	7.341,567	92.676,997	12,624	12,156	95	108					
46	59	90.151	6.887,689	85.335,430	12,390	11,922	96	109					
47	60	89.388	6.458,075	78.447,740	12,147	11,680	97	110					
48	61	88.563	6.050,549	71.989,666	11,898	11,430	98	111					
49	62	87.705	5.666,136	65.939,116	11,637	11,170	99	112					
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -14 Jahre

Zinsfuß 5,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	14	99.452	99.452,383	1.748.857,561	17,585	17,117	50	64	86.172	5.264,380	58.813,670	11,172	10,704
1	15	98.987	93.604,837	1.649.405,178	17,621	17,153	51	65	85.118	4.917,245	53.549,289	10,890	10,423
2	16	98.929	88.463,644	1.555.800,341	17,587	17,119	52	66	83.985	4.588,007	48.632,044	10,600	10,132
3	17	98.889	83.619,010	1.467.336,697	17,548	17,080	53	67	82.737	4.274,034	44.044,037	10,305	9,837
4	18	98.849	79.040,531	1.383.717,687	17,506	17,039	54	68	81.381	3.975,410	39.770,003	10,004	9,536
5	19	98.807	74.711,303	1.304.677,156	17,463	16,995	55	69	79.904	3.691,023	35.794,593	9,698	9,230
6	20	98.766	70.619,730	1.229.965,853	17,417	16,949	56	70	78.294	3.420,006	32.103,570	9,387	8,919
7	21	98.723	66.751,013	1.159.346,123	17,368	16,901	57	71	76.577	3.163,114	28.683,564	9,068	8,601
8	22	98.687	63.098,289	1.092.595,110	17,316	16,848	58	72	74.683	2.917,169	25.520,450	8,748	8,281
9	23	98.649	59.644,166	1.029.496,820	17,261	16,793	59	73	72.638	2.683,003	22.603,281	8,425	7,957
10	24	98.614	56.381,110	969.852,655	17,202	16,734	60	74	70.410	2.459,307	19.920,278	8,100	7,632
11	25	98.578	53.295,978	913.471,544	17,140	16,672	61	75	68.033	2.247,065	17.464,971	7,771	7,303
12	26	98.539	50.378,407	860.175,567	17,074	16,607	62	76	65.473	2.044,930	15.213,906	7,440	6,972
13	27	98.499	47.619,599	809.797,160	17,006	16,538	63	77	62.721	1.852,469	13.168,976	7,109	6,641
14	28	98.457	45.011,393	762.177,561	16,933	16,465	64	78	59.804	1.670,264	11.316,507	6,775	6,308
15	29	98.410	42.543,481	717.166,167	16,857	16,390	65	79	56.679	1.496,906	9.646,243	6,444	5,977
16	30	98.358	40.208,980	674.622,686	16,778	16,310	66	80	53.343	1.332,221	8.149,337	6,117	5,650
17	31	98.288	37.995,668	634.413,707	16,697	16,229	67	81	49.774	1.175,483	6.817,116	5,799	5,332
18	32	98.203	35.898,670	596.418,039	16,614	16,146	68	82	45.993	1.027,122	5.641,633	5,493	5,025
19	33	98.094	33.908,923	560.519,368	16,530	16,063	69	83	42.003	887,029	4.614,511	5,202	4,735
20	34	97.976	32.026,548	526.610,445	16,443	15,975	70	84	37.989	758,639	3.727,482	4,913	4,446
21	35	97.855	30.247,939	494.583,897	16,351	15,883	71	85	33.940	640,924	2.968,843	4,632	4,165
22	36	97.728	28.566,193	464.335,958	16,255	15,787	72	86	30.017	536,024	2.327,918	4,343	3,875
23	37	97.599	26.977,318	435.769,765	16,153	15,686	73	87	26.041	439,732	1.791,894	4,075	3,607
24	38	97.467	25.475,926	408.792,447	16,046	15,579	74	88	22.080	352,580	1.352,162	3,835	3,367
25	39	97.328	24.056,391	383.316,521	15,934	15,467	75	89	18.362	277,263	999,583	3,605	3,138
26	40	97.179	22.713,529	359.260,130	15,817	15,349	76	90	14.917	212,999	722,319	3,391	2,924
27	41	97.025	21.444,481	336.546,600	15,694	15,226	77	91	11.856	160,088	509,320	3,181	2,714
28	42	96.860	20.243,937	315.102,119	15,565	15,098	78	92	9.107	116,281	349,232	3,003	2,536
29	43	96.680	19.107,618	294.858,182	15,431	14,964	79	93	6.797	82,070	232,951	2,838	2,371
30	44	96.487	18.032,524	275.750,565	15,292	14,824	80	94	4.923	56,214	150,881	2,684	2,216
31	45	96.282	17.015,855	257.718,041	15,146	14,678	81	95	3.449	37,243	94,667	2,542	2,074
32	46	96.053	16.052,437	240.702,186	14,995	14,527	82	96	2.334	23,831	57,425	2,410	1,942
33	47	95.802	15.139,933	224.649,750	14,838	14,371	83	97	1.517	14,645	33,593	2,294	1,826
34	48	95.532	14.276,347	209.509,816	14,675	14,208	84	98	949	8,666	18,948	2,187	1,719
35	49	95.239	13.458,606	195.233,470	14,506	14,039	85	99	571	4,929	10,283	2,086	1,619
36	50	94.910	12.682,897	181.774,864	14,332	13,865	86	100	331	2,698	5,354	1,984	1,517
37	51	94.563	11.949,477	169.091,967	14,151	13,683	87	101	182	1,403	2,655	1,892	1,425
38	52	94.187	11.254,746	157.142,490	13,962	13,495	88	102	95	0,691	1,252	1,812	1,344
39	53	93.773	10.595,989	145.887,744	13,768	13,301	89	103	47	0,322	0,561	1,740	1,272
40	54	93.332	9.972,815	135.291,755	13,566	13,098	90	104	22	0,143	0,239	1,674	1,206
41	55	92.848	9.381,572	125.318,940	13,358	12,890	91	105	10	0,060	0,096	1,610	1,143
42	56	92.320	8.821,078	115.937,368	13,143	12,676	92	106					
43	57	91.747	8.289,633	107.116,290	12,922	12,454	93	107					
44	58	91.111	7.784,592	98.826,656	12,695	12,228	94	108					
45	59	90.429	7.306,213	91.042,064	12,461	11,993	95	109					
46	60	89.693	6.852,674	83.735,851	12,219	11,752	96	110					
47	61	88.896	6.422,528	76.883,178	11,971	11,503	97	111					
48	62	88.065	6.016,501	70.460,650	11,711	11,244	98	112					
49	63	87.153	5.630,479	64.444,149	11,446	10,978	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -15 Jahre

Zinsfuß 5,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	15	99.441	99.440,794	1.746.139,764	17,560	17,092	50	65	85.542	5.225,883	57.273,123	10,960	10,492
1	16	98.969	93.588,113	1.646.698,969	17,595	17,128	51	66	84.423	4.877,084	52.047,240	10,672	10,204
2	17	98.908	88.444,910	1.553.110,857	17,560	17,093	52	67	83.225	4.546,455	47.170,156	10,375	9,908
3	18	98.867	83.600,612	1.464.665,947	17,520	17,052	53	68	81.896	4.230,588	42.623,701	10,075	9,608
4	19	98.820	79.017,800	1.381.065,335	17,478	17,010	54	69	80.450	3.929,941	38.393,113	9,769	9,302
5	20	98.780	74.690,593	1.302.047,535	17,433	16,965	55	70	78.884	3.643,932	34.463,171	9,458	8,990
6	21	98.735	70.597,424	1.227.356,942	17,385	16,918	56	71	77.181	3.371,395	30.819,239	9,141	8,674
7	22	98.699	66.734,681	1.156.759,518	17,334	16,866	57	72	75.335	3.111,832	27.447,844	8,820	8,353
8	23	98.660	63.081,206	1.090.024,837	17,280	16,812	58	73	73.337	2.864,575	24.336,011	8,496	8,028
9	24	98.623	59.628,604	1.026.943,631	17,222	16,755	59	74	71.158	2.628,344	21.471,436	8,169	7,702
10	25	98.587	56.365,793	967.315,027	17,161	16,694	60	75	68.807	2.403,329	18.843,092	7,840	7,373
11	26	98.553	53.282,863	910.949,234	17,096	16,629	61	76	66.269	2.188,804	16.439,763	7,511	7,043
12	27	98.512	50.364,303	857.666,371	17,029	16,562	62	77	63.578	1.985,733	14.250,959	7,177	6,709
13	28	98.470	47.605,721	807.302,068	16,958	16,491	63	78	60.681	1.792,203	12.265,226	6,844	6,376
14	29	98.428	44.998,033	759.696,346	16,883	16,415	64	79	57.587	1.608,361	10.473,023	6,512	6,044
15	30	98.381	42.531,028	714.698,313	16,804	16,337	65	80	54.294	1.433,937	8.864,662	6,182	5,714
16	31	98.326	40.195,814	672.167,285	16,722	16,255	66	81	50.745	1.267,323	7.430,725	5,863	5,396
17	32	98.253	37.982,096	631.971,470	16,639	16,171	67	82	46.999	1.109,957	6.163,402	5,553	5,085
18	33	98.168	35.885,906	593.989,375	16,552	16,085	68	83	43.020	960,745	5.053,445	5,260	4,792
19	34	98.055	33.895,374	558.103,469	16,465	15,998	69	84	38.993	823,467	4.092,700	4,970	4,503
20	35	97.930	32.011,533	524.208,095	16,376	15,908	70	85	34.936	697,674	3.269,233	4,686	4,218
21	36	97.805	30.232,454	492.196,562	16,280	15,813	71	86	30.993	585,276	2.571,560	4,394	3,926
22	37	97.673	28.550,040	461.964,108	16,181	15,713	72	87	26.991	481,985	1.986,284	4,121	3,653
23	38	97.540	26.960,775	433.414,068	16,076	15,608	73	88	22.971	387,898	1.504,299	3,878	3,411
24	39	97.399	25.458,105	406.453,293	15,966	15,498	74	89	19.176	306,206	1.116,401	3,646	3,178
25	40	97.251	24.037,139	380.995,188	15,850	15,383	75	90	15.640	236,166	810,195	3,431	2,963
26	41	97.095	22.693,769	356.958,048	15,729	15,262	76	91	12.479	178,182	574,029	3,222	2,754
27	42	96.930	21.423,284	334.264,279	15,603	15,135	77	92	9.634	130,088	395,847	3,043	2,575
28	43	96.751	20.221,169	312.840,996	15,471	15,003	78	93	7.237	92,398	265,760	2,876	2,409
29	44	96.555	19.082,815	292.619,827	15,334	14,867	79	94	5.275	63,687	173,362	2,722	2,255
30	45	96.352	18.007,422	273.537,011	15,190	14,723	80	95	3.726	42,546	109,675	2,578	2,110
31	46	96.129	16.988,868	255.529,589	15,041	14,573	81	96	2.543	27,456	67,129	2,445	1,977
32	47	95.881	16.023,607	238.540,722	14,887	14,419	82	97	1.674	17,091	39,673	2,321	1,854
33	48	95.616	15.110,492	222.517,115	14,726	14,258	83	98	1.057	10,204	22,581	2,213	1,745
34	49	95.330	14.246,082	207.406,623	14,559	14,091	84	99	642	5,858	12,378	2,113	1,645
35	50	95.009	13.426,214	193.160,541	14,387	13,919	85	100	374	3,229	6,520	2,019	1,552
36	51	94.670	12.650,852	179.734,327	14,207	13,740	86	101	210	1,711	3,291	1,924	1,456
37	52	94.301	11.916,290	167.083,474	14,021	13,554	87	102	111	0,860	1,580	1,838	1,370
38	53	93.902	11.220,720	155.167,184	13,829	13,361	88	103	56	0,409	0,720	1,763	1,295
39	54	93.477	10.562,532	143.946,464	13,628	13,160	89	104	27	0,184	0,312	1,695	1,227
40	55	93.008	9.938,127	133.383,932	13,421	12,954	90	105	12	0,078	0,128	1,632	1,165
41	56	92.496	9.346,045	123.445,805	13,208	12,741	91	106					
42	57	91.950	8.785,664	114.099,760	12,987	12,519	92	107					
43	58	91.337	8.252,636	105.314,095	12,761	12,294	93	108					
44	59	90.673	7.747,104	97.061,460	12,529	12,061	94	109					
45	60	89.970	7.269,070	89.314,355	12,287	11,819	95	110					
46	61	89.199	6.814,955	82.045,285	12,039	11,571	96	111					
47	62	88.396	6.386,386	75.230,331	11,780	11,312	97	112					
48	63	87.511	5.978,640	68.843,945	11,515	11,047	98						
49	64	86.560	5.592,182	62.865,305	11,242	10,774	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -16 Jahre

Zinsfuß 5,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	16	99.423	99.423,027	1.743.240,910	17,534	17,066	50	66	84.843	5.183,201	55.649,520	10,737	10,269
1	17	98.948	93.568,293	1.643.817,883	17,568	17,101	51	67	83.658	4.832,915	50.466,318	10,442	9,975
2	18	98.887	88.425,450	1.550.249,591	17,532	17,064	52	68	82.379	4.500,240	45.633,404	10,140	9,673
3	19	98.838	83.576,570	1.461.824,140	17,491	17,023	53	69	80.959	4.182,201	41.133,163	9,835	9,368
4	20	98.793	78.995,895	1.378.247,571	17,447	16,980	54	70	79.424	3.879,802	36.950,963	9,524	9,056
5	21	98.749	74.667,001	1.299.251,675	17,401	16,933	55	71	77.763	3.592,139	33.071,160	9,207	8,739
6	22	98.711	70.580,151	1.224.584,674	17,350	16,883	56	72	75.930	3.316,737	29.479,021	8,888	8,420
7	23	98.673	66.716,613	1.154.004,523	17,297	16,830	57	73	73.977	3.055,729	26.162,284	8,562	8,094
8	24	98.635	63.064,748	1.087.287,910	17,241	16,773	58	74	71.843	2.806,217	23.106,555	8,234	7,766
9	25	98.596	59.612,404	1.024.223,162	17,181	16,714	59	75	69.538	2.568,518	20.300,338	7,904	7,436
10	26	98.563	56.351,923	964.610,757	17,118	16,650	60	76	67.023	2.341,016	17.731,819	7,574	7,107
11	27	98.526	53.267,946	908.258,834	17,051	16,583	61	77	64.351	2.125,442	15.390,803	7,241	6,774
12	28	98.483	50.349,625	854.990,888	16,981	16,514	62	78	61.509	1.921,132	13.265,361	6,905	6,437
13	29	98.441	47.591,591	804.641,263	16,907	16,440	63	79	58.432	1.725,780	11.344,229	6,573	6,106
14	30	98.399	44.984,862	757.049,672	16,829	16,361	64	80	55.165	1.540,703	9.618,448	6,243	5,775
15	31	98.349	42.517,103	712.064,810	16,748	16,280	65	81	51.649	1.364,083	8.077,745	5,922	5,454
16	32	98.291	40.181,456	669.547,707	16,663	16,196	66	82	47.916	1.196,677	6.713,662	5,610	5,143
17	33	98.218	37.968,590	629.366,251	16,576	16,108	67	83	43.962	1.038,227	5.516,984	5,314	4,846
18	34	98.129	35.871,567	591.397,661	16,487	16,019	68	84	39.938	891,900	4.478,757	5,022	4,554
19	35	98.009	33.879,483	555.526,094	16,397	15,930	69	85	35.860	757,291	3.586,857	4,736	4,269
20	36	97.879	31.995,145	521.646,611	16,304	15,836	70	86	31.903	637,098	2.829,566	4,441	3,974
21	37	97.750	30.215,359	489.651,467	16,205	15,738	71	87	27.869	526,272	2.192,467	4,166	3,698
22	38	97.613	28.532,532	459.436,108	16,102	15,635	72	88	23.809	425,170	1.666,195	3,919	3,451
23	39	97.471	26.941,916	430.903,576	15,994	15,526	73	89	19.950	336,879	1.241,026	3,684	3,216
24	40	97.321	25.437,732	403.961,660	15,880	15,413	74	90	16.334	260,819	904,147	3,467	2,999
25	41	97.166	24.016,228	378.523,928	15,761	15,294	75	91	13.084	197,562	643,328	3,256	2,789
26	42	96.999	22.671,336	354.507,700	15,637	15,169	76	92	10.140	144,791	445,767	3,079	2,611
27	43	96.821	21.399,190	331.836,364	15,507	15,039	77	93	7.656	103,369	300,976	2,912	2,444
28	44	96.626	20.194,921	310.437,174	15,372	14,904	78	94	5.616	71,702	197,607	2,756	2,288
29	45	96.420	19.056,252	290.242,253	15,231	14,763	79	95	3.992	48,202	125,905	2,612	2,144
30	46	96.200	17.978,862	271.186,001	15,084	14,616	80	96	2.747	31,366	77,703	2,477	2,010
31	47	95.957	16.958,356	253.207,138	14,931	14,464	81	97	1.824	19,691	46,337	2,353	1,886
32	48	95.694	15.992,447	236.248,783	14,773	14,305	82	98	1.166	11,908	26,647	2,238	1,770
33	49	95.413	15.078,458	220.256,336	14,607	14,140	83	99	714	6,898	14,739	2,137	1,669
34	50	95.100	14.211,795	205.177,877	14,437	13,970	84	100	420	3,838	7,841	2,043	1,576
35	51	94.769	13.392,291	190.966,082	14,259	13,792	85	101	237	2,047	4,003	1,956	1,488
36	52	94.407	12.615,718	177.573,791	14,076	13,608	86	102	128	1,048	1,956	1,866	1,399
37	53	94.016	11.880,265	164.958,073	13,885	13,417	87	103	66	0,509	0,908	1,786	1,318
38	54	93.606	11.185,290	153.077,808	13,686	13,218	88	104	32	0,233	0,400	1,715	1,248
39	55	93.151	10.525,793	141.892,518	13,480	13,013	89	105	15	0,101	0,167	1,652	1,184
40	56	92.656	9.900,493	131.366,725	13,269	12,801	90	106					
41	57	92.125	9.308,523	121.466,232	13,049	12,581	91	107					
42	58	91.539	8.746,453	112.157,708	12,823	12,356	92	108					
43	59	90.898	8.212,894	103.411,255	12,591	12,124	93	109					
44	60	90.212	7.707,720	95.198,361	12,351	11,883	94	110					
45	61	89.474	7.229,059	87.490,641	12,103	11,635	95	111					
46	62	88.697	6.776,605	80.261,582	11,844	11,376	96	112					
47	63	87.840	6.346,197	73.484,978	11,579	11,112	97						
48	64	86.915	5.937,974	67.138,781	11,307	10,839	98						
49	65	85.927	5.551,287	61.200,807	11,025	10,557	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -17 Jahre

Zinsfuß 5,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	17	99.402	99.401,972	1.740.157,335	17,506	17,039	50	67	84.075	5.136,259	53.942,877	10,502	10,035
1	18	98.927	93.547,706	1.640.755,363	17,539	17,072	51	68	82.808	4.783,788	48.806,618	10,203	9,735
2	19	98.858	88.400,020	1.547.207,657	17,502	17,035	52	69	81.437	4.448,769	44.022,830	9,896	9,428
3	20	98.811	83.553,402	1.458.807,637	17,460	16,992	53	70	79.926	4.128,843	39.574,061	9,585	9,117
4	21	98.762	78.970,944	1.375.254,235	17,415	16,947	54	71	78.295	3.824,657	35.445,218	9,268	8,800
5	22	98.724	74.648,732	1.296.283,291	17,365	16,898	55	72	76.502	3.533,902	31.620,561	8,948	8,480
6	23	98.684	70.561,042	1.221.634,559	17,313	16,846	56	73	74.561	3.256,940	28.086,658	8,624	8,156
7	24	98.647	66.699,206	1.151.073,517	17,258	16,790	57	74	72.470	2.993,477	24.829,719	8,295	7,827
8	25	98.608	63.047,614	1.084.374,310	17,199	16,732	58	75	70.208	2.742,343	21.836,242	7,963	7,495
9	26	98.572	59.597,736	1.021.326,696	17,137	16,669	59	76	67.735	2.501,923	19.093,900	7,632	7,164
10	27	98.535	56.336,147	961.728,960	17,071	16,604	60	77	65.083	2.273,248	16.591,977	7,299	6,831
11	28	98.497	53.252,422	905.392,813	17,002	16,534	61	78	62.257	2.056,296	14.318,729	6,963	6,496
12	29	98.454	50.334,681	852.140,391	16,929	16,462	62	79	59.230	1.849,931	12.262,433	6,629	6,161
13	30	98.412	47.577,660	801.805,710	16,853	16,385	63	80	55.974	1.653,184	10.412,502	6,298	5,831
14	31	98.367	44.970,133	754.228,050	16,772	16,304	64	81	52.478	1.465,649	8.759,318	5,976	5,509
15	32	98.314	42.501,916	709.257,917	16,688	16,220	65	82	48.770	1.288,044	7.293,670	5,663	5,195
16	33	98.256	40.167,169	666.756,002	16,600	16,132	66	83	44.820	1.119,343	6.005,625	5,365	4,898
17	34	98.179	37.953,419	626.588,833	16,509	16,042	67	84	40.812	963,830	4.886,282	5,070	4,602
18	35	98.083	35.854,749	588.635,414	16,417	15,950	68	85	36.728	820,226	3.922,452	4,782	4,315
19	36	97.958	33.862,138	552.780,665	16,324	15,857	69	86	32.746	691,540	3.102,227	4,486	4,018
20	37	97.824	31.977,053	518.918,527	16,228	15,760	70	87	28.687	572,870	2.410,687	4,208	3,741
21	38	97.690	30.196,830	486.941,474	16,126	15,658	71	88	24.584	464,236	1.837,817	3,959	3,491
22	39	97.545	28.512,573	456.744,644	16,019	15,551	72	89	20.678	369,248	1.373,581	3,720	3,252
23	40	97.393	26.920,355	428.232,071	15,907	15,440	73	90	16.993	286,945	1.004,332	3,500	3,033
24	41	97.237	25.415,602	401.311,715	15,790	15,322	74	91	13.664	218,185	717,388	3,288	2,820
25	42	97.070	23.992,488	375.896,113	15,667	15,200	75	92	10.632	160,539	499,203	3,110	2,642
26	43	96.890	22.645,839	351.903,626	15,539	15,072	76	93	8.058	115,052	338,664	2,944	2,476
27	44	96.695	21.371,413	329.257,787	15,406	14,939	77	94	5.941	80,215	223,612	2,788	2,320
28	45	96.491	20.166,810	307.886,374	15,267	14,799	78	95	4.250	54,268	143,397	2,642	2,175
29	46	96.267	19.026,029	287.719,564	15,122	14,655	79	96	2.943	35,536	89,129	2,508	2,041
30	47	96.027	17.946,573	268.693,535	14,972	14,504	80	97	1.970	22,494	53,593	2,382	1,915
31	48	95.770	16.925,378	250.746,963	14,815	14,347	81	98	1.271	13,719	31,099	2,267	1,799
32	49	95.492	15.958,544	233.821,585	14,652	14,184	82	99	788	8,050	17,379	2,159	1,691
33	50	95.184	15.042,169	217.863,041	14,483	14,016	83	100	468	4,519	9,329	2,065	1,597
34	51	94.860	14.175,887	202.820,873	14,307	13,840	84	101	266	2,433	4,810	1,977	1,510
35	52	94.506	13.355,098	188.644,985	14,125	13,658	85	102	145	1,254	2,378	1,896	1,428
36	53	94.122	12.577,578	175.289,887	13,937	13,469	86	103	76	0,620	1,123	1,812	1,345
37	54	93.719	11.842,752	162.712,309	13,739	13,272	87	104	38	0,290	0,504	1,737	1,269
38	55	93.280	11.146,385	150.869,557	13,535	13,068	88	105	18	0,128	0,214	1,671	1,203
39	56	92.799	10.485,933	139.723,172	13,325	12,857	89						
40	57	92.284	9.860,745	129.237,239	13,106	12,639	90						
41	58	91.714	9.266,978	119.376,493	12,882	12,414	91						
42	59	91.099	8.704,333	110.109,515	12,650	12,182	92						
43	60	90.435	8.171,142	101.405,181	12,410	11,943	93						
44	61	89.715	7.665,295	93.234,040	12,163	11,696	94						
45	62	88.971	7.188,378	85.568,745	11,904	11,436	95						
46	63	88.139	6.733,960	78.380,367	11,640	11,172	96						
47	64	87.242	6.303,031	71.646,406	11,367	10,899	97						
48	65	86.280	5.894,551	65.343,375	11,085	10,618	98						
49	66	85.226	5.505,948	59.448,825	10,797	10,330	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -18 Jahre

Zinsfuß 5,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	18	99.380	99.380,101	1.736.882,193	17,477	17,010	50	68	83.220	5.084,049	52.153,393	10,258	9,791
1	19	98.898	93.520,803	1.637.502,092	17,509	17,042	51	69	81.861	4.729,073	47.069,344	9,953	9,486
2	20	98.831	88.375,515	1.543.981,289	17,471	17,003	52	70	80.398	4.392,010	42.340,270	9,640	9,173
3	21	98.780	83.527,011	1.455.605,774	17,427	16,959	53	71	78.790	4.070,158	37.948,260	9,324	8,856
4	22	98.738	78.951,622	1.372.078,764	17,379	16,911	54	72	77.025	3.762,650	33.878,102	9,004	8,536
5	23	98.698	74.628,522	1.293.127,142	17,328	16,860	55	73	75.123	3.470,189	30.115,452	8,678	8,211
6	24	98.658	70.542,633	1.218.498,620	17,273	16,806	56	74	73.042	3.190,588	26.645,262	8,351	7,884
7	25	98.620	66.681,086	1.147.955,987	17,216	16,748	57	75	70.820	2.925,340	23.454,674	8,018	7,550
8	26	98.584	63.032,100	1.081.274,901	17,154	16,687	58	76	68.387	2.671,241	20.529,335	7,685	7,218
9	27	98.544	59.581,051	1.018.242,801	17,090	16,622	59	77	65.775	2.429,496	17.858,094	7,351	6,883
10	28	98.506	56.319,729	958.661,750	17,022	16,554	60	78	62.966	2.199,293	15.428,598	7,015	6,548
11	29	98.468	53.236,616	902.342,021	16,950	16,482	61	79	59.950	1.980,085	13.229,304	6,681	6,214
12	30	98.425	50.319,947	849.105,406	16,874	16,407	62	80	56.738	1.772,112	11.249,219	6,348	5,880
13	31	98.380	47.562,083	798.785,459	16,795	16,327	63	81	53.247	1.572,650	9.477,107	6,026	5,559
14	32	98.332	44.954,069	751.223,376	16,711	16,243	64	82	49.552	1.383,948	7.904,458	5,712	5,244
15	33	98.279	42.486,803	706.269,307	16,623	16,156	65	83	45.619	1.204,805	6.520,510	5,412	4,945
16	34	98.216	40.151,119	663.782,504	16,532	16,065	66	84	41.608	1.039,133	5.315,704	5,116	4,648
17	35	98.133	37.935,625	623.631,385	16,439	15,972	67	85	37.532	886,375	4.276,571	4,825	4,357
18	36	98.033	35.836,393	585.695,760	16,344	15,876	68	86	33.539	749,010	3.390,196	4,526	4,059
19	37	97.903	33.842,991	549.859,366	16,247	15,780	69	87	29.445	621,823	2.641,186	4,247	3,780
20	38	97.764	31.957,444	516.016,376	16,147	15,679	70	88	25.305	505,341	2.019,363	3,996	3,528
21	39	97.621	30.175,707	484.058,932	16,041	15,574	71	89	21.350	403,177	1.514,022	3,755	3,288
22	40	97.467	28.489,756	453.883,225	15,931	15,464	72	90	17.613	314,517	1.110,846	3,532	3,064
23	41	97.309	26.896,935	425.393,469	15,816	15,348	73	91	14.215	240,040	796,329	3,317	2,850
24	42	97.140	25.390,479	398.496,534	15,695	15,227	74	92	11.103	177,297	556,289	3,138	2,670
25	43	96.961	23.965,504	373.106,055	15,568	15,101	75	93	8.448	127,566	378,992	2,971	2,503
26	44	96.764	22.616,444	349.140,551	15,437	14,970	76	94	6.253	89,281	251,426	2,816	2,349
27	45	96.560	21.341,664	326.524,107	15,300	14,832	77	95	4.496	60,712	162,145	2,671	2,203
28	46	96.338	20.134,825	305.182,443	15,157	14,689	78	96	3.133	40,008	101,433	2,535	2,068
29	47	96.094	18.991,858	285.047,618	15,009	14,541	79	97	2.111	25,485	61,425	2,410	1,943
30	48	95.840	17.911,673	266.055,760	14,854	14,386	80	98	1.373	15,673	35,940	2,293	1,826
31	49	95.567	16.889,497	248.144,087	14,692	14,225	81	99	859	9,275	20,267	2,185	1,718
32	50	95.262	15.920,136	231.254,590	14,526	14,058	82	100	517	5,274	10,993	2,085	1,617
33	51	94.943	15.004,163	215.334,454	14,352	13,884	83	101	297	2,865	5,719	1,997	1,529
34	52	94.597	14.136,518	200.330,291	14,171	13,704	84	102	163	1,491	2,855	1,915	1,447
35	53	94.220	13.314,723	186.193,774	13,984	13,516	85	103	86	0,742	1,364	1,839	1,371
36	54	93.825	12.537,864	172.879,051	13,789	13,321	86	104	43	0,353	0,622	1,761	1,293
37	55	93.393	11.801,560	160.341,187	13,586	13,119	87	105	21	0,159	0,269	1,690	1,222
38	56	92.927	11.104,175	148.539,627	13,377	12,909	88	106					
39	57	92.426	10.443,835	137.435,452	13,159	12,692	89	107					
40	58	91.872	9.816,736	126.991,616	12,936	12,469	90	108					
41	59	91.272	9.222,352	117.174,880	12,706	12,238	91	109					
42	60	90.635	8.660,082	107.952,528	12,466	11,998	92	110					
43	61	89.938	8.126,166	99.292,446	12,219	11,751	93	111					
44	62	89.210	7.622,159	91.166,280	11,961	11,493	94	112					
45	63	88.411	7.143,143	83.544,121	11,696	11,228	95						
46	64	87.539	6.688,157	76.400,978	11,423	10,956	96						
47	65	86.604	6.256,938	69.712,821	11,142	10,674	97						
48	66	85.575	5.846,408	63.455,883	10,854	10,386	98						
49	67	84.454	5.456,083	57.609,475	10,559	10,091	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -19 Jahre

Zinsfuß 5,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	19	99.352	99.351,520	1.733.405,682	17,447	16,980	50	69	82.268	5.025,900	50.282,433	10,005	9,537
1	20	98.871	93.494,878	1.634.054,161	17,477	17,010	51	70	80.816	4.668,739	45.256,534	9,694	9,226
2	21	98.800	88.347,601	1.540.559,283	17,437	16,970	52	71	79.255	4.329,584	40.587,795	9,375	8,907
3	22	98.756	83.506,574	1.452.211,682	17,390	16,923	53	72	77.513	4.004,171	36.258,210	9,055	8,588
4	23	98.711	78.930,247	1.368.705,108	17,341	16,873	54	73	75.637	3.694,813	32.254,039	8,730	8,262
5	24	98.672	74.609,051	1.289.774,862	17,287	16,820	55	74	73.593	3.399,493	28.559,226	8,401	7,933
6	25	98.632	70.523,468	1.215.165,811	17,231	16,763	56	75	71.379	3.117,965	25.159,732	8,069	7,602
7	26	98.596	66.664,678	1.144.642,343	17,170	16,703	57	76	68.984	2.849,493	22.041,768	7,735	7,268
8	27	98.556	63.014,454	1.077.977,665	17,107	16,639	58	77	66.408	2.593,913	19.192,275	7,399	6,931
9	28	98.516	59.563,687	1.014.963,211	17,040	16,572	59	78	63.635	2.350,459	16.598,362	7,062	6,594
10	29	98.477	56.303,012	955.399,524	16,969	16,501	60	79	60.632	2.117,783	14.247,903	6,728	6,260
11	30	98.439	53.221,033	899.096,512	16,894	16,426	61	80	57.428	1.896,791	12.130,120	6,395	5,927
12	31	98.393	50.303,472	845.875,480	16,815	16,348	62	81	53.974	1.685,784	10.233,330	6,070	5,603
13	32	98.345	47.545,093	795.572,008	16,733	16,265	63	82	50.279	1.484,984	8.547,545	5,756	5,288
14	33	98.297	44.938,085	748.026,915	16,646	16,178	64	83	46.350	1.294,511	7.062,561	5,456	4,988
15	34	98.239	42.469,826	703.088,830	16,555	16,087	65	84	42.350	1.118,472	5.768,050	5,157	4,690
16	35	98.170	40.132,295	660.619,004	16,461	15,993	66	85	38.264	955,627	4.649,578	4,865	4,398
17	36	98.082	37.916,204	620.486,709	16,365	15,897	67	86	34.273	809,416	3.693,951	4,564	4,096
18	37	97.977	35.816,129	582.570,505	16,266	15,798	68	87	30.158	673,499	2.884,535	4,283	3,815
19	38	97.843	33.822,237	546.754,376	16,166	15,698	69	88	25.974	548,524	2.211,036	4,031	3,563
20	39	97.696	31.935,089	512.932,138	16,062	15,594	70	89	21.977	438,875	1.662,513	3,788	3,321
21	40	97.543	30.151,558	480.997,049	15,953	15,485	71	90	18.186	343,416	1.223,638	3,563	3,096
22	41	97.382	28.464,970	450.845,491	15,839	15,371	72	91	14.734	263,105	880,222	3,346	2,878
23	42	97.212	26.870,348	422.380,520	15,719	15,252	73	92	11.551	195,057	617,117	3,164	2,696
24	43	97.031	25.361,923	395.510,173	15,595	15,127	74	93	8.823	140,882	422,060	2,996	2,528
25	44	96.835	23.934,396	370.148,250	15,465	14,998	75	94	6.556	98,992	281,178	2,840	2,373
26	45	96.629	22.584,962	346.213,853	15,329	14,862	76	95	4.732	67,574	182,186	2,696	2,229
27	46	96.407	21.307,816	323.628,892	15,188	14,721	77	96	3.315	44,758	114,612	2,561	2,093
28	47	96.165	20.098,663	302.321,076	15,042	14,574	78	97	2.247	28,692	69,854	2,435	1,967
29	48	95.908	18.954,926	282.222,413	14,889	14,422	79	98	1.471	17,757	41,162	2,318	1,851
30	49	95.637	17.873,701	263.267,487	14,729	14,262	80	99	928	10,595	23,406	2,209	1,741
31	50	95.337	16.848,849	245.393,786	14,564	14,097	81	100	563	6,076	12,810	2,108	1,641
32	51	95.021	15.879,912	228.544,937	14,392	13,925	82	101	327	3,343	6,735	2,015	1,547
33	52	94.680	14.962,492	212.665,025	14,213	13,746	83	102	182	1,755	3,392	1,932	1,465
34	53	94.311	14.093,780	197.702,532	14,028	13,560	84	103	97	0,882	1,636	1,856	1,389
35	54	93.923	13.272,681	183.608,752	13,834	13,366	85	104	49	0,423	0,755	1,785	1,318
36	55	93.498	12.494,254	170.336,072	13,633	13,166	86	105	24	0,194	0,332	1,712	1,245
37	56	93.039	11.756,870	157.841,818	13,425	12,958	87	106					
38	57	92.554	11.059,595	146.084,948	13,209	12,741	88	107					
39	58	92.014	10.397,223	135.025,353	12,987	12,519	89	108					
40	59	91.429	9.769,462	124.628,129	12,757	12,289	90	109					
41	60	90.808	9.175,468	114.858,667	12,518	12,050	91	110					
42	61	90.137	8.612,415	105.683,200	12,271	11,803	92	111					
43	62	89.432	8.080,437	97.070,784	12,013	11,545	93	112					
44	63	88.649	7.574,194	88.990,347	11,749	11,282	94						
45	64	87.810	7.094,556	81.416,154	11,476	11,008	95						
46	65	86.899	6.639,248	74.321,597	11,194	10,727	96						
47	66	85.897	6.205,836	67.682,350	10,906	10,439	97						
48	67	84.800	5.793,459	61.476,514	10,611	10,144	98						
49	68	83.595	5.400,622	55.683,055	10,310	9,843	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -20 Jahre

Zinsfuß 5,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	20	99.324	99.323,980	1.729.723,762	17,415	16,947	50	70	81.219	4.961,779	48.332,238	9,741	9,273
1	21	98.840	93.465,347	1.630.399,782	17,444	16,976	51	71	79.668	4.602,380	43.370,459	9,423	8,956
2	22	98.776	88.325,985	1.536.934,435	17,401	16,933	52	72	77.970	4.259,392	38.768,080	9,102	8,634
3	23	98.729	83.483,965	1.448.608,450	17,352	16,884	53	73	76.115	3.931,980	34.508,688	8,776	8,309
4	24	98.685	78.909,653	1.365.124,485	17,300	16,832	54	74	74.096	3.619,541	30.576,708	8,448	7,980
5	25	98.645	74.588,781	1.286.214,832	17,244	16,777	55	75	71.918	3.322,115	26.957,167	8,114	7,647
6	26	98.607	70.506,114	1.211.626,050	17,185	16,717	56	76	69.529	3.037,124	23.635,052	7,782	7,314
7	27	98.568	66.646,014	1.141.119,936	17,122	16,655	57	77	66.987	2.767,005	20.597,928	7,444	6,977
8	28	98.527	62.996,090	1.074.473,922	17,056	16,589	58	78	64.247	2.509,526	17.830,923	7,105	6,638
9	29	98.486	59.546,007	1.011.477,832	16,986	16,519	59	79	61.276	2.263,346	15.321,397	6,769	6,302
10	30	98.448	56.286,531	951.931,825	16,912	16,445	60	80	58.082	2.028,696	13.058,051	6,437	5,969
11	31	98.407	53.203,607	895.645,294	16,834	16,367	61	81	54.630	1.804,390	11.029,355	6,113	5,645
12	32	98.357	50.285,503	842.441,686	16,753	16,286	62	82	50.965	1.591,812	9.224,966	5,795	5,328
13	33	98.310	47.528,187	792.156,184	16,667	16,200	63	83	47.030	1.389,018	7.633,154	5,495	5,028
14	34	98.258	44.920,128	744.627,996	16,577	16,109	64	84	43.029	1.201,749	6.244,135	5,196	4,728
15	35	98.193	42.449,915	699.707,868	16,483	16,016	65	85	38.946	1.028,589	5.042,386	4,902	4,435
16	36	98.120	40.111,749	657.257,952	16,386	15,918	66	86	34.942	872,655	4.013,796	4,600	4,132
17	37	98.027	37.894,764	617.146,203	16,286	15,818	67	87	30.818	727,815	3.141,141	4,316	3,848
18	38	97.917	35.794,166	579.251,439	16,183	15,715	68	88	26.603	594,108	2.413,326	4,062	3,595
19	39	97.774	33.798,578	543.457,273	16,079	15,612	69	89	22.558	476,378	1.819,218	3,819	3,351
20	40	97.618	31.909,533	509.658,695	15,972	15,504	70	90	18.719	373,823	1.342,840	3,592	3,125
21	41	97.458	30.125,327	477.749,162	15,859	15,391	71	91	15.213	287,280	969,017	3,373	2,905
22	42	97.286	28.436,833	447.623,835	15,741	15,273	72	92	11.973	213,799	681,736	3,189	2,721
23	43	97.103	26.840,128	419.187,002	15,618	15,150	73	93	9.179	154,994	467,937	3,019	2,551
24	44	96.905	25.329,003	392.346,874	15,490	15,022	74	94	6.847	109,326	312,943	2,862	2,395
25	45	96.700	23.901,080	367.017,872	15,356	14,888	75	95	4.962	74,923	203,618	2,718	2,250
26	46	96.476	22.549,142	343.116,792	15,216	14,749	76	96	3.489	49,817	128,694	2,583	2,116
27	47	96.234	21.269,547	320.567,651	15,072	14,604	77	97	2.377	32,099	78,878	2,457	1,990
28	48	95.978	20.059,579	299.298,103	14,920	14,453	78	98	1.566	19,991	46,779	2,340	1,872
29	49	95.704	18.914,743	279.238,525	14,763	14,295	79	99	994	12,004	26,788	2,232	1,764
30	50	95.407	17.830,684	260.323,782	14,600	14,132	80	100	608	6,941	14,784	2,130	1,662
31	51	95.096	16.806,278	242.493,098	14,429	13,961	81	101	357	3,852	7,843	2,036	1,569
32	52	94.757	15.835,809	225.686,820	14,252	13,784	82	102	201	2,048	3,991	1,949	1,481
33	53	94.393	14.917,258	209.851,010	14,068	13,600	83	103	108	1,038	1,943	1,872	1,404
34	54	94.013	14.049,278	194.933,753	13,875	13,407	84	104	55	0,503	0,905	1,801	1,333
35	55	93.596	13.226,515	180.884,474	13,676	13,208	85	105	27	0,232	0,402	1,734	1,267
36	56	93.144	12.446,940	167.657,959	13,470	13,002	86	106					
37	57	92.666	11.709,669	155.211,019	13,255	12,787	87	107					
38	58	92.141	11.010,235	143.501,350	13,033	12,566	88	108					
39	59	91.570	10.347,154	132.491,115	12,805	12,337	89	109					
40	60	90.965	9.719,796	122.143,961	12,567	12,099	90	110					
41	61	90.308	9.124,964	112.424,164	12,321	11,853	91	111					
42	62	89.629	8.563,950	103.299,201	12,062	11,595	92	112					
43	63	88.869	8.029,587	94.735,250	11,798	11,331	93						
44	64	88.046	7.522,675	86.705,663	11,526	11,058	94						
45	65	87.167	7.042,675	79.182,988	11,243	10,776	95						
46	66	86.190	6.585,022	72.140,312	10,955	10,488	96						
47	67	85.119	6.149,632	65.555,290	10,660	10,192	97						
48	68	83.938	5.734,569	59.405,658	10,359	9,892	98						
49	69	82.639	5.338,852	53.671,090	10,053	9,585	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -21 Jahre

Zinsfuß 5,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	21	99.293	99.292,607	1.725.824,003	17,381	16,914	50	71	80.064	4.891,254	46.305,287	9,467	8,999
1	22	98.815	93.442,479	1.626.531,395	17,407	16,939	51	72	78.376	4.527,764	41.414,033	9,147	8,679
2	23	98.749	88.302,071	1.533.088,917	17,362	16,894	52	73	76.564	4.182,599	36.886,268	8,819	8,351
3	24	98.703	83.462,184	1.444.786,845	17,311	16,843	53	74	74.565	3.851,876	32.703,669	8,490	8,023
4	25	98.658	78.888,215	1.361.324,661	17,256	16,789	54	75	72.409	3.537,154	28.851,793	8,157	7,689
5	26	98.621	74.570,427	1.282.436,446	17,198	16,730	55	76	70.053	3.235,981	25.314,639	7,823	7,355
6	27	98.580	70.486,375	1.207.866,019	17,136	16,669	56	77	67.516	2.949,204	22.078,658	7,486	7,019
7	28	98.539	66.626,592	1.137.379,643	17,071	16,603	57	78	64.808	2.676,987	19.129,454	7,146	6,678
8	29	98.498	62.977,391	1.070.753,052	17,002	16,535	58	79	61.866	2.416,518	16.452,467	6,808	6,341
9	30	98.458	59.528,578	1.007.775,661	16,929	16,462	59	80	58.699	2.168,136	14.035,949	6,474	6,006
10	31	98.416	56.268,102	948.247,083	16,852	16,385	60	81	55.252	1.929,869	11.867,814	6,150	5,682
11	32	98.372	53.184,603	891.978,981	16,771	16,304	61	82	51.585	1.703,806	9.937,944	5,833	5,365
12	33	98.322	50.267,622	838.794,378	16,687	16,219	62	83	47.672	1.488,943	8.234,138	5,530	5,063
13	34	98.270	47.509,196	788.526,756	16,597	16,130	63	84	43.660	1.289,484	6.745,196	5,231	4,763
14	35	98.212	44.899,069	741.017,560	16,504	16,036	64	85	39.571	1.105,175	5.455,711	4,937	4,469
15	36	98.143	42.428,183	696.118,491	16,407	15,939	65	86	35.565	939,283	4.350,537	4,632	4,164
16	37	98.065	40.089,068	653.690,308	16,306	15,838	66	87	31.419	784,679	3.411,254	4,347	3,880
17	38	97.967	37.871,526	613.601,240	16,202	15,735	67	88	27.185	642,022	2.626,575	4,091	3,624
18	39	97.849	35.769,128	575.729,714	16,096	15,628	68	89	23.104	515,967	1.984,553	3,846	3,379
19	40	97.696	33.771,531	539.960,586	15,989	15,521	69	90	19.214	405,767	1.468,586	3,619	3,152
20	41	97.533	31.881,772	506.189,056	15,877	15,409	70	91	15.660	312,717	1.062,819	3,399	2,931
21	42	97.362	30.095,549	474.307,284	15,760	15,292	71	92	12.362	233,444	750,102	3,213	2,746
22	43	97.176	28.404,851	444.211,735	15,639	15,171	72	93	9.514	169,887	516,658	3,041	2,574
23	44	96.977	26.805,289	415.806,884	15,512	15,045	73	94	7.123	120,277	346,771	2,883	2,416
24	45	96.770	25.293,744	389.001,596	15,379	14,912	74	95	5.182	82,744	226,494	2,737	2,270
25	46	96.547	23.863,172	363.707,851	15,241	14,774	75	96	3.658	55,235	143,750	2,603	2,135
26	47	96.303	22.508,644	339.844,679	15,098	14,631	76	97	2.502	35,727	88,515	2,478	2,010
27	48	96.047	21.228,186	317.336,035	14,949	14,481	77	98	1.656	22,365	52,788	2,360	1,893
28	49	95.775	20.017,054	296.107,850	14,793	14,325	78	99	1.058	13,515	30,423	2,251	1,784
29	50	95.474	18.869,220	276.090,796	14,632	14,164	79	100	651	7,863	16,909	2,150	1,683
30	51	95.166	17.785,633	257.221,576	14,462	13,995	80	101	385	4,400	9,045	2,056	1,588
31	52	94.832	16.759,603	239.435,943	14,286	13,819	81	102	219	2,360	4,645	1,968	1,501
32	53	94.471	15.787,934	222.676,340	14,104	13,637	82	103	119	1,211	2,285	1,887	1,419
33	54	94.095	14.870,156	206.888,406	13,913	13,445	83	104	61	0,592	1,074	1,815	1,347
34	55	93.686	14.000,411	192.018,250	13,715	13,248	84	105	30	0,276	0,482	1,748	1,281
35	56	93.242	13.176,428	178.017,838	13,510	13,043	85	106					
36	57	92.770	12.396,969	164.841,410	13,297	12,829	86	107					
37	58	92.252	11.657,408	152.444,441	13,077	12,609	87	108					
38	59	91.697	10.957,214	140.787,033	12,849	12,381	88	109					
39	60	91.105	10.294,551	129.829,819	12,612	12,144	89	110					
40	61	90.464	9.666,296	119.535,268	12,366	11,899	90	111					
41	62	89.800	9.073,614	109.868,971	12,109	11,641	91	112					
42	63	89.065	8.510,058	100.795,357	11,844	11,377	92						
43	64	88.264	7.974,972	92.285,299	11,572	11,104	93						
44	65	87.402	7.467,663	84.310,328	11,290	10,822	94						
45	66	86.456	6.985,155	76.842,664	11,001	10,533	95						
46	67	85.409	6.525,385	69.857,509	10,706	10,238	96						
47	68	84.254	6.087,121	63.332,125	10,404	9,937	97						
48	69	82.978	5.668,979	57.245,004	10,098	9,630	98						
49	70	81.585	5.270,738	51.576,025	9,785	9,318	99						
							100						

Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004

Altersdifferenz zwischen Mann und Frau (x - y) = -22 Jahre

Zinsfuß 5,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	22	99.268	99.268,313	1.721.698,503	17,344	16,876	50	72	78.766	4.811,956	44.204,729	9,186	8,719
1	23	98.789	93.417,180	1.622.430,189	17,368	16,900	51	73	76.963	4.446,133	39.392,773	8,860	8,392
2	24	98.723	88.279,033	1.529.013,009	17,320	16,853	52	74	75.004	4.097,390	34.946,640	8,529	8,061
3	25	98.676	83.439,509	1.440.733,976	17,267	16,799	53	75	72.867	3.764,201	30.849,251	8,195	7,728
4	26	98.634	78.868,804	1.357.294,467	17,210	16,742	54	76	70.532	3.445,444	27.085,050	7,861	7,394
5	27	98.593	74.549,551	1.278.425,664	17,149	16,681	55	77	68.025	3.142,305	23.639,605	7,523	7,055
6	28	98.551	70.465,833	1.203.876,113	17,085	16,617	56	78	65.319	2.853,259	20.497,301	7,184	6,716
7	29	98.510	66.606,815	1.133.410,279	17,016	16,549	57	79	62.406	2.577,772	17.644,042	6,845	6,377
8	30	98.469	62.958,957	1.066.803,464	16,944	16,477	58	80	59.264	2.314,864	15.066,269	6,508	6,041
9	31	98.425	59.509,087	1.003.844,507	16,869	16,401	59	81	55.839	2.062,516	12.751,405	6,182	5,715
10	32	98.381	56.248,003	944.335,420	16,789	16,321	60	82	52.172	1.822,291	10.688,889	5,866	5,398
11	33	98.337	53.165,691	888.087,417	16,704	16,237	61	83	48.251	1.593,699	8.866,598	5,564	5,096
12	34	98.283	50.247,537	834.921,726	16,616	16,149	62	84	44.256	1.382,248	7.272,899	5,262	4,794
13	35	98.224	47.486,923	784.674,189	16,524	16,056	63	85	40.151	1.185,859	5.890,651	4,967	4,500
14	36	98.161	44.876,083	737.187,267	16,427	15,960	64	86	36.135	1.009,219	4.704,792	4,662	4,194
15	37	98.088	42.404,192	692.311,184	16,326	15,859	65	87	31.979	844,589	3.695,573	4,376	3,908
16	38	98.004	40.064,484	649.906,992	16,222	15,754	66	88	27.716	692,183	2.850,984	4,119	3,651
17	39	97.898	37.845,034	609.842,508	16,114	15,647	67	89	23.610	557,579	2.158,801	3,872	3,404
18	40	97.770	35.740,503	571.997,474	16,004	15,537	68	90	19.679	439,488	1.601,222	3,643	3,176
19	41	97.611	33.742,150	536.256,971	15,893	15,425	69	91	16.073	339,440	1.161,734	3,423	2,955
20	42	97.436	31.850,257	502.514,821	15,777	15,310	70	92	12.725	254,114	822,295	3,236	2,768
21	43	97.253	30.061,701	470.664,563	15,657	15,189	71	93	9.823	185,497	568,181	3,063	2,595
22	44	97.050	28.367,981	440.602,862	15,532	15,064	72	94	7.383	131,834	382,684	2,903	2,435
23	45	96.842	26.767,975	412.234,881	15,400	14,933	73	95	5.391	91,033	250,850	2,756	2,288
24	46	96.617	25.253,628	385.466,906	15,264	14,796	74	96	3.820	61,001	159,817	2,620	2,152
25	47	96.373	23.820,314	360.213,278	15,122	14,655	75	97	2.623	39,613	98,816	2,495	2,027
26	48	96.116	22.464,872	336.392,963	14,974	14,507	76	98	1.743	24,892	59,204	2,378	1,911
27	49	95.843	21.183,183	313.928,091	14,820	14,352	77	99	1.120	15,119	34,311	2,269	1,802
28	50	95.544	19.968,878	292.744,908	14,660	14,192	78	100	693	8,853	19,192	2,168	1,700
29	51	95.233	18.821,545	272.776,030	14,493	14,025	79	101	413	4,985	10,339	2,074	1,606
30	52	94.901	17.736,238	253.954,485	14,318	13,851	80	102	236	2,696	5,354	1,986	1,518
31	53	94.545	16.708,935	236.218,247	14,137	13,670	81	103	129	1,396	2,658	1,905	1,437
32	54	94.172	15.738,083	219.509,312	13,948	13,480	82	104	68	0,691	1,262	1,828	1,360
33	55	93.768	14.818,434	203.771,229	13,751	13,284	83	105	34	0,325	0,572	1,761	1,293
34	56	93.331	13.947,394	188.952,795	13,548	13,080	84	106					
35	57	92.868	13.123,529	175.005,401	13,335	12,868	85	107					
36	58	92.356	12.341,640	161.881,872	13,117	12,649	86	108					
37	59	91.808	11.601,270	149.540,232	12,890	12,422	87	109					
38	60	91.231	10.901,510	137.938,962	12,653	12,186	88	110					
39	61	90.604	10.237,888	127.037,452	12,409	11,941	89	111					
40	62	89.955	9.611,901	116.799,564	12,152	11,684	90	112					
41	63	89.235	9.016,515	107.187,664	11,888	11,420	91						
42	64	88.459	8.452,174	98.171,149	11,615	11,147	92						
43	65	87.619	7.916,652	89.718,975	11,333	10,865	93						
44	66	86.688	7.406,672	81.802,323	11,044	10,577	94						
45	67	85.673	6.921,893	74.395,650	10,748	10,280	95						
46	68	84.541	6.459,054	67.473,757	10,446	9,979	96						
47	69	83.290	6.017,499	61.014,703	10,140	9,672	97						
48	70	81.919	5.596,653	54.997,204	9,827	9,359	98						
49	71	80.425	5.195,822	49.400,551	9,508	9,040	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -23 Jahre

Zinsfuß 5,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	23	99.241	99.241,437	1.717.327,362	17,305	16,837	50	73	77.346	4.725,200	42.036,471	8,896	8,429
1	24	98.763	93.392,807	1.618.085,924	17,326	16,858	51	74	75.395	4.355,555	37.311,270	8,566	8,099
2	25	98.696	88.255,049	1.524.693,117	17,276	16,808	52	75	73.297	4.004,126	32.955,715	8,230	7,763
3	26	98.652	83.418,977	1.436.438,068	17,220	16,752	53	76	70.978	3.666,604	28.951,589	7,896	7,428
4	27	98.606	78.846,724	1.353.019,090	17,160	16,693	54	77	68.490	3.345,705	25.284,985	7,557	7,090
5	28	98.564	74.527,825	1.274.172,367	17,097	16,629	55	78	65.812	3.040,077	21.939,281	7,217	6,749
6	29	98.522	70.444,918	1.199.644,542	17,030	16,562	56	79	62.899	2.747,511	18.899,203	6,879	6,411
7	30	98.481	66.587,319	1.129.199,625	16,958	16,491	57	80	59.781	2.469,336	16.151,692	6,541	6,073
8	31	98.437	62.938,343	1.062.612,306	16,883	16,416	58	81	56.377	2.202,097	13.682,356	6,213	5,746
9	32	98.390	59.487,830	999.673,963	16,805	16,337	59	82	52.727	1.947,544	11.480,259	5,895	5,427
10	33	98.346	56.228,002	940.186,133	16,721	16,253	60	83	48.801	1.704,527	9.532,716	5,593	5,125
11	34	98.297	53.144,448	883.958,130	16,633	16,166	61	84	44.794	1.479,498	7.828,189	5,291	4,824
12	35	98.237	50.223,980	830.813,683	16,542	16,075	62	85	40.699	1.271,169	6.348,691	4,994	4,527
13	36	98.174	47.462,611	780.589,703	16,446	15,979	63	86	36.665	1.082,897	5.077,522	4,689	4,221
14	37	98.106	44.850,707	733.127,092	16,346	15,878	64	87	32.492	907,475	3.994,625	4,402	3,934
15	38	98.028	42.378,189	688.276,385	16,241	15,774	65	88	28.210	745,031	3.087,150	4,144	3,676
16	39	97.936	40.036,459	645.898,196	16,133	15,665	66	89	24.070	601,142	2.342,119	3,896	3,429
17	40	97.820	37.814,749	605.861,738	16,022	15,554	67	90	20.110	474,932	1.740,977	3,666	3,198
18	41	97.685	35.709,409	568.046,989	15,907	15,440	68	91	16.463	367,648	1.266,045	3,444	2,976
19	42	97.515	33.708,796	532.337,580	15,792	15,325	69	92	13.061	275,829	898,397	3,257	2,790
20	43	97.327	31.814,436	498.628,783	15,673	15,205	70	93	10.111	201,921	622,568	3,083	2,616
21	44	97.126	30.022,680	466.814,347	15,549	15,081	71	94	7.623	143,947	420,647	2,922	2,455
22	45	96.915	28.328,493	436.791,667	15,419	14,951	72	95	5.588	99,780	276,700	2,773	2,306
23	46	96.689	26.725,521	408.463,174	15,284	14,816	73	96	3.974	67,111	176,920	2,636	2,169
24	47	96.443	25.208,273	381.737,653	15,143	14,676	74	97	2.740	43,748	109,808	2,510	2,042
25	48	96.186	23.773,992	356.529,380	14,997	14,529	75	98	1.828	27,600	66,061	2,394	1,926
26	49	95.912	22.417,248	332.755,387	14,844	14,376	76	99	1.179	16,828	38,461	2,286	1,818
27	50	95.613	21.132,201	310.338,139	14,686	14,218	77	100	734	9,904	21,633	2,184	1,717
28	51	95.303	19.918,424	289.205,938	14,520	14,052	78	101	440	5,612	11,729	2,090	1,622
29	52	94.968	18.769,273	269.287,514	14,347	13,880	79	102	253	3,054	6,116	2,002	1,535
30	53	94.615	17.682,617	250.518,241	14,167	13,700	80	103	140	1,594	3,062	1,920	1,453
31	54	94.247	16.656,176	232.835,624	13,979	13,511	81	104	74	0,796	1,467	1,844	1,377
32	55	93.845	15.683,343	216.179,448	13,784	13,316	82	105	37	0,379	0,672	1,772	1,305
33	56	93.413	14.762,319	200.496,105	13,582	13,114	83	106					
34	57	92.956	13.891,399	185.733,786	13,370	12,903	84	107					
35	58	92.453	13.064,957	171.842,387	13,153	12,685	85	108					
36	59	91.912	12.282,208	158.777,430	12,927	12,460	86	109					
37	60	91.341	11.542,292	146.495,223	12,692	12,224	87	110					
38	61	90.729	10.841,505	134.952,931	12,448	11,980	88	111					
39	62	90.094	10.180,275	124.111,426	12,191	11,724	89	112					
40	63	89.389	9.551,414	113.931,150	11,928	11,461	90						
41	64	88.628	8.955,186	104.379,736	11,656	11,188	91						
42	65	87.813	8.390,365	95.424,550	11,373	10,906	92						
43	66	86.903	7.851,994	87.034,186	11,084	10,617	93						
44	67	85.903	7.339,593	79.182,192	10,788	10,321	94						
45	68	84.802	6.851,532	71.842,599	10,486	10,018	95						
46	69	83.574	6.385,178	64.991,066	10,178	9,711	96						
47	70	82.228	5.940,727	58.605,888	9,865	9,398	97						
48	71	80.755	5.517,105	52.665,161	9,546	9,078	98						
49	72	79.121	5.111,586	47.148,056	9,224	8,756	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -24 Jahre

Zinsfuß 5,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	24	99.216	99.215,545	1.712.699,796	17,262	16,795	50	74	75.770	4.628,937	39.805,422	8,599	8,132
1	25	98.736	93.367,434	1.613.484,251	17,281	16,813	51	75	73.679	4.256,415	35.176,485	8,264	7,797
2	26	98.672	88.233,333	1.520.116,817	17,228	16,761	52	76	71.397	3.900,309	30.920,070	7,928	7,460
3	27	98.624	83.395,624	1.431.883,484	17,170	16,702	53	77	68.923	3.560,462	27.019,761	7,589	7,121
4	28	98.578	78.823,745	1.348.487,861	17,108	16,640	54	78	66.262	3.236,860	23.459,299	7,248	6,780
5	29	98.535	74.505,703	1.269.664,116	17,041	16,574	55	79	63.373	2.927,406	20.222,438	6,908	6,440
6	30	98.493	70.424,298	1.195.158,413	16,971	16,503	56	80	60.253	2.631,934	17.295,033	6,571	6,104
7	31	98.449	66.565,517	1.124.734,115	16,897	16,429	57	81	56.869	2.349,043	14.663,099	6,242	5,775
8	32	98.402	62.915,861	1.058.168,598	16,819	16,351	58	82	53.234	2.079,344	12.314,055	5,922	5,455
9	33	98.355	59.466,677	995.252,737	16,736	16,269	59	83	49.319	1.821,685	10.234,712	5,618	5,151
10	34	98.307	56.205,535	935.786,059	16,649	16,182	60	84	45.304	1.582,384	8.413,026	5,317	4,849
11	35	98.251	53.119,533	879.580,524	16,559	16,091	61	85	41.194	1.360,603	6.830,642	5,020	4,553
12	36	98.187	50.198,267	826.460,992	16,464	15,996	62	86	37.166	1.160,800	5.470,039	4,712	4,245
13	37	98.118	47.435,773	776.262,725	16,365	15,897	63	87	32.969	973,726	4.309,239	4,426	3,958
14	38	98.046	44.823,204	728.826,951	16,260	15,792	64	88	28.662	800,504	3.335,514	4,167	3,699
15	39	97.959	42.348,544	684.003,748	16,152	15,684	65	89	24.499	647,039	2.535,010	3,918	3,450
16	40	97.857	40.004,419	641.655,203	16,040	15,572	66	90	20.503	512,038	1.887,970	3,687	3,220
17	41	97.735	37.781,850	601.650,784	15,924	15,457	67	91	16.823	397,298	1.375,933	3,463	2,996
18	42	97.589	35.674,111	563.868,934	15,806	15,339	68	92	13.378	298,751	978,634	3,276	2,808
19	43	97.405	33.670,885	528.194,823	15,687	15,219	69	93	10.379	219,176	679,883	3,102	2,634
20	44	97.200	31.773,140	494.523,938	15,564	15,097	70	94	7.846	156,693	460,707	2,940	2,473
21	45	96.991	29.980,889	462.750,797	15,435	14,967	71	95	5.769	108,948	304,014	2,790	2,323
22	46	96.761	28.283,563	432.769,909	15,301	14,834	72	96	4.119	73,560	195,066	2,652	2,184
23	47	96.515	26.677,523	404.486,345	15,162	14,694	73	97	2.850	48,130	121,506	2,525	2,057
24	48	96.256	25.159,252	377.808,823	15,017	14,549	74	98	1.909	30,481	73,376	2,407	1,940
25	49	95.982	23.723,593	352.649,571	14,865	14,397	75	99	1.236	18,658	42,895	2,299	1,831
26	50	95.681	22.363,296	328.925,978	14,708	14,241	76	100	772	11,024	24,237	2,199	1,731
27	51	95.371	21.078,808	306.562,681	14,544	14,076	77	101	465	6,279	13,213	2,104	1,637
28	52	95.038	19.863,106	285.483,873	14,373	13,905	78	102	269	3,439	6,934	2,017	1,549
29	53	94.681	18.712,529	265.620,768	14,195	13,727	79	103	150	1,806	3,496	1,935	1,468
30	54	94.316	17.626,784	246.908,238	14,008	13,540	80	104	80	0,909	1,689	1,859	1,391
31	55	93.919	16.598,242	229.281,455	13,814	13,346	81	105	40	0,437	0,780	1,787	1,320
32	56	93.490	15.623,952	212.683,213	13,613	13,145	82	106					
33	57	93.038	14.703,052	197.059,261	13,403	12,935	83	107					
34	58	92.541	13.829,400	182.356,209	13,186	12,719	84	108					
35	59	92.008	13.002,041	168.526,808	12,962	12,494	85	109					
36	60	91.444	12.219,768	155.524,767	12,727	12,260	86	110					
37	61	90.838	11.478,760	143.305,000	12,484	12,017	87	111					
38	62	90.218	10.780,496	131.826,240	12,228	11,761	88	112					
39	63	89.527	10.116,212	121.045,743	11,966	11,498	89						
40	64	88.781	9.486,447	110.929,531	11,693	11,226	90						
41	65	87.980	8.889,698	101.443,084	11,411	10,944	91						
42	66	87.095	8.321,838	92.553,386	11,122	10,654	92						
43	67	86.116	7.780,882	84.231,548	10,825	10,358	93						
44	68	85.030	7.264,986	76.450,667	10,523	10,056	94						
45	69	83.832	6.773,167	69.185,681	10,215	9,747	95						
46	70	82.508	6.303,715	62.412,513	9,901	9,433	96						
47	71	81.059	5.856,288	56.108,798	9,581	9,113	97						
48	72	79.446	5.427,660	50.252,510	9,259	8,791	98						
49	73	77.695	5.019,428	44.824,850	8,930	8,463	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -25 Jahre

Zinsfuß 5,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	25	99.189	99.188,590	1.707.800,643	17,218	16,750	50	75	74.046	4.523,574	37.518,998	8,294	7,827
1	26	98.712	93.344,460	1.608.612,053	17,233	16,765	51	76	71.769	4.146,057	32.995,424	7,958	7,491
2	27	98.644	88.208,631	1.515.267,593	17,178	16,711	52	77	69.330	3.787,401	28.849,367	7,617	7,150
3	28	98.596	83.371,319	1.427.058,962	17,117	16,649	53	78	66.681	3.444,631	25.061,966	7,276	6,808
4	29	98.548	78.800,349	1.343.687,643	17,052	16,584	54	79	63.806	3.116,896	21.617,334	6,936	6,468
5	30	98.506	74.483,895	1.264.887,294	16,982	16,514	55	80	60.707	2.804,261	18.500,439	6,597	6,130
6	31	98.461	70.401,240	1.190.403,399	16,909	16,441	56	81	57.317	2.503,721	15.696,178	6,269	5,802
7	32	98.414	66.541,739	1.120.002,160	16,832	16,364	57	82	53.699	2.218,099	13.192,457	5,948	5,480
8	33	98.367	62.893,490	1.053.460,420	16,750	16,282	58	83	49.794	1.944,968	10.974,358	5,642	5,175
9	34	98.316	59.442,916	990.566,931	16,664	16,197	59	84	45.785	1.691,147	9.029,390	5,339	4,872
10	35	98.261	56.179,185	931.124,015	16,574	16,107	60	85	41.663	1.455,221	7.338,243	5,043	4,575
11	36	98.201	53.092,338	874.944,830	16,480	16,012	61	86	37.617	1.242,469	5.883,022	4,735	4,267
12	37	98.131	50.169,882	821.852,492	16,381	15,914	62	87	33.419	1.043,774	4.640,553	4,446	3,978
13	38	98.058	47.406,685	771.682,610	16,278	15,810	63	88	29.082	858,945	3.596,778	4,187	3,720
14	39	97.977	44.791,849	724.275,926	16,170	15,702	64	89	24.892	695,216	2.737,833	3,938	3,471
15	40	97.881	42.314,655	679.484,076	16,058	15,590	65	90	20.868	551,132	2.042,617	3,706	3,239
16	41	97.772	39.969,616	637.169,422	15,941	15,474	66	91	17.151	428,339	1.491,485	3,482	3,014
17	42	97.638	37.744,504	597.199,806	15,822	15,355	67	92	13.670	322,845	1.063,146	3,293	2,825
18	43	97.479	35.633,989	559.455,302	15,700	15,232	68	93	10.630	237,391	740,301	3,118	2,651
19	44	97.279	33.627,180	523.821,313	15,577	15,110	69	94	8.054	170,083	502,911	2,957	2,489
20	45	97.065	31.728,912	490.194,133	15,449	14,982	70	95	5.939	118,595	332,828	2,806	2,339
21	46	96.837	29.933,339	458.465,221	15,316	14,849	71	96	4.253	80,319	214,233	2,667	2,200
22	47	96.588	28.232,767	428.531,883	15,179	14,711	72	97	2.954	52,755	133,914	2,538	2,071
23	48	96.327	26.625,644	400.299,116	15,034	14,567	73	98	1.986	33,534	81,160	2,420	1,953
24	49	96.052	25.105,916	373.673,472	14,884	14,416	74	99	1.290	20,606	47,625	2,311	1,844
25	50	95.751	23.666,497	348.567,556	14,728	14,261	75	100	809	12,223	27,019	2,211	1,743
26	51	95.439	22.306,793	324.901,059	14,565	14,098	76	101	489	6,988	14,797	2,117	1,650
27	52	95.106	21.020,267	302.594,266	14,395	13,928	77	102	285	3,847	7,809	2,030	1,562
28	53	94.751	19.803,056	281.573,999	14,219	13,751	78	103	159	2,034	3,962	1,948	1,480
29	54	94.382	18.653,444	261.770,944	14,033	13,566	79	104	85	1,030	1,928	1,872	1,404
30	55	93.988	17.565,474	243.117,500	13,841	13,373	80	105	44	0,499	0,898	1,800	1,333
31	56	93.563	16.535,387	225.552,027	13,641	13,173	81	106					
32	57	93.114	15.561,226	209.016,640	13,432	12,964	82	107					
33	58	92.623	14.637,431	193.455,414	13,216	12,749	83	108					
34	59	92.096	13.762,803	178.817,983	12,993	12,525	84	109					
35	60	91.540	12.935,942	165.055,180	12,759	12,292	85	110					
36	61	90.941	12.152,507	152.119,238	12,518	12,050	86	111					
37	62	90.327	11.414,165	139.966,731	12,263	11,795	87	112					
38	63	89.650	10.712,656	128.552,566	12,000	11,532	88						
39	64	88.918	10.047,403	117.839,910	11,728	11,261	89						
40	65	88.131	9.417,074	107.792,507	11,446	10,979	90						
41	66	87.261	8.817,093	98.375,433	11,157	10,690	91						
42	67	86.307	8.246,470	89.558,340	10,860	10,393	92						
43	68	85.241	7.701,789	81.311,870	10,558	10,090	93						
44	69	84.057	7.181,892	73.610,081	10,249	9,782	94						
45	70	82.762	6.686,754	66.428,189	9,934	9,467	95						
46	71	81.335	6.214,117	59.741,434	9,614	9,146	96						
47	72	79.745	5.761,344	53.527,318	9,291	8,823	97						
48	73	78.013	5.329,804	47.765,973	8,962	8,494	98						
49	74	76.112	4.917,171	42.436,169	8,630	8,163	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 1 Jahr

Zinsfuß 5,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	49	91.859	5.611,809	73.456,144	13,090	12,622
1	0	99.544	94.131,224	1.674.270,835	17,787	17,319	51	50	91.184	5.267,670	67.844,335	12,879	12,412
2	1	99.126	88.639,178	1.580.139,611	17,827	17,359	52	51	90.482	4.942,921	62.576,665	12,660	12,192
3	2	99.070	83.772,665	1.491.500,433	17,804	17,337	53	52	89.702	4.633,839	57.633,744	12,438	11,970
4	3	99.033	79.187,539	1.407.727,768	17,777	17,310	54	53	88.868	4.341,174	52.999,905	12,209	11,741
5	4	99.002	74.858,940	1.328.540,229	17,747	17,280	55	54	87.986	4.064,381	48.658,731	11,972	11,504
6	5	98.976	70.769,761	1.253.681,289	17,715	17,247	56	55	87.024	3.801,349	44.594,350	11,731	11,264
7	6	98.952	66.905,213	1.182.911,529	17,680	17,213	57	56	86.015	3.552,999	40.793,002	11,481	11,014
8	7	98.930	63.253,699	1.116.006,316	17,643	17,176	58	57	84.929	3.317,366	37.240,003	11,226	10,758
9	8	98.910	59.802,052	1.052.752,617	17,604	17,136	59	58	83.744	3.093,227	33.922,636	10,967	10,499
10	9	98.891	56.539,684	992.950,564	17,562	17,094	60	59	82.465	2.880,353	30.829,410	10,703	10,236
11	10	98.875	53.456,944	936.410,880	17,517	17,050	61	60	81.122	2.679,383	27.949,056	10,431	9,964
12	11	98.853	50.538,748	882.953,937	17,471	17,003	62	61	79.706	2.489,484	25.269,674	10,151	9,683
13	12	98.831	47.780,056	832.415,188	17,422	16,954	63	62	78.190	2.309,343	22.780,190	9,864	9,397
14	13	98.809	45.172,391	784.635,132	17,370	16,902	64	63	76.575	2.138,675	20.470,846	9,572	9,104
15	14	98.782	42.704,190	739.462,741	17,316	16,848	65	64	74.854	1.976,932	18.332,172	9,273	8,805
16	15	98.747	40.367,983	696.758,551	17,260	16,793	66	65	73.005	1.823,268	16.355,240	8,970	8,503
17	16	98.691	38.151,595	656.390,567	17,205	16,737	67	66	71.024	1.677,328	14.531,971	8,664	8,196
18	17	98.620	36.051,236	618.238,972	17,149	16,681	68	67	68.873	1.538,093	12.854,644	8,358	7,890
19	18	98.524	34.057,650	582.187,736	17,094	16,627	69	68	66.561	1.405,644	11.316,550	8,051	7,583
20	19	98.416	32.170,622	548.130,086	17,038	16,571	70	69	64.105	1.280,173	9.910,907	7,742	7,274
21	20	98.314	30.389,838	515.959,464	16,978	16,510	71	70	61.483	1.161,038	8.630,734	7,434	6,966
22	21	98.206	28.705,832	485.569,626	16,915	16,448	72	71	58.700	1.048,221	7.469,696	7,126	6,658
23	22	98.108	27.117,892	456.863,794	16,847	16,380	73	72	55.716	940,825	6.421,476	6,825	6,358
24	23	98.009	25.617,452	429.745,901	16,776	16,308	74	73	52.589	839,746	5.480,651	6,527	6,059
25	24	97.912	24.200,649	404.128,449	16,699	16,231	75	74	49.330	744,882	4.640,905	6,230	5,763
26	25	97.814	22.861,822	379.927,800	16,618	16,151	76	75	45.979	656,521	3.896,024	5,934	5,467
27	26	97.720	21.597,967	357.065,978	16,532	16,065	77	76	42.552	574,560	3.239,503	5,638	5,171
28	27	97.623	20.403,290	335.468,011	16,442	15,974	78	77	39.059	498,712	2.664,943	5,344	4,876
29	28	97.522	19.274,091	315.064,721	16,347	15,879	79	78	35.494	428,558	2.166,231	5,055	4,587
30	29	97.425	18.207,865	295.790,630	16,245	15,778	80	79	31.903	364,249	1.737,673	4,771	4,303
31	30	97.325	17.200,225	277.582,764	16,138	15,671	81	80	28.289	305,432	1.373,425	4,497	4,029
32	31	97.217	16.246,823	260.382,539	16,027	15,559	82	81	24.702	252,196	1.067,993	4,235	3,767
33	32	97.102	15.345,356	244.135,717	15,909	15,442	83	82	21.136	204,052	815,797	3,998	3,530
34	33	96.983	14.493,090	228.790,361	15,786	15,319	84	83	17.755	162,097	611,744	3,774	3,306
35	34	96.851	13.686,489	214.297,271	15,658	15,190	85	84	14.665	126,608	449,648	3,551	3,084
36	35	96.705	12.922,702	200.610,781	15,524	15,056	86	85	11.920	97,308	323,039	3,320	2,852
37	36	96.546	12.200,005	187.688,080	15,384	14,917	87	86	9.443	72,897	225,731	3,097	2,629
38	37	96.375	11.516,194	175.488,074	15,238	14,771	88	87	7.216	52,676	152,834	2,901	2,434
39	38	96.183	10.868,344	163.971,880	15,087	14,620	89	88	5.312	36,668	100,158	2,731	2,264
40	39	95.968	10.254,375	153.103,537	14,931	14,463	90	89	3.784	24,699	63,490	2,571	2,103
41	40	95.726	9.672,362	142.849,162	14,769	14,301	91	90	2.598	16,034	38,791	2,419	1,952
42	41	95.461	9.121,124	133.176,799	14,601	14,133	92	91	1.711	9,986	22,757	2,279	1,811
43	42	95.156	8.597,646	124.055,675	14,429	13,961	93	92	1.071	5,909	12,770	2,161	1,693
44	43	94.814	8.100,914	115.458,029	14,252	13,785	94	93	640	3,341	6,861	2,054	1,586
45	44	94.436	7.629,971	107.357,114	14,070	13,603	95	94	365	1,800	3,520	1,956	1,489
46	45	94.015	7.182,888	99.727,144	13,884	13,416	96	95	197	0,921	1,721	1,867	1,400
47	46	93.547	6.758,538	92.544,255	13,693	13,225	97	96	101	0,447	0,799	1,787	1,319
48	47	93.029	6.355,664	85.785,717	13,498	13,030	98	97	49	0,205	0,352	1,713	1,246
49	48	92.469	5.973,908	79.430,053	13,296	12,829	99	98	23	0,089	0,147	1,646	1,179
							100	99	10	0,036	0,058	1,586	1,118

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 2 Jahre

Zinsfuß 5,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	48	92.054	5.623,731	73.986,189	13,156	12,688
1							51	49	91.404	5.280,379	68.362,458	12,947	12,479
2	0	99.504	88.977,018	1.581.368,293	17,773	17,305	52	50	90.711	4.955,442	63.082,079	12,730	12,262
3	1	99.106	83.802,678	1.492.391,275	17,808	17,341	53	51	89.952	4.646,744	58.126,638	12,509	12,042
4	2	99.052	79.203,199	1.408.588,598	17,784	17,317	54	52	89.138	4.354,338	53.479,894	12,282	11,814
5	3	99.019	74.871,792	1.329.385,399	17,755	17,288	55	53	88.265	4.077,255	49.125,556	12,049	11,581
6	4	98.989	70.778,902	1.254.513,607	17,724	17,257	56	54	87.328	3.814,617	45.048,301	11,809	11,342
7	5	98.964	66.913,960	1.183.734,705	17,690	17,223	57	55	86.342	3.566,505	41.233,684	11,561	11,094
8	6	98.939	63.259,528	1.116.820,746	17,655	17,187	58	56	85.271	3.330,738	37.667,179	11,309	10,841
9	7	98.918	59.807,261	1.053.561,217	17,616	17,148	59	57	84.119	3.107,094	34.336,441	11,051	10,583
10	8	98.901	56.545,112	993.753,956	17,575	17,107	60	58	82.864	2.894,291	31.229,347	10,790	10,322
11	9	98.882	53.460,398	937.208,844	17,531	17,063	61	59	81.536	2.693,074	28.335,056	10,521	10,054
12	10	98.861	50.542,999	883.748,446	17,485	17,018	62	60	80.147	2.503,262	25.641,982	10,243	9,776
13	11	98.840	47.784,537	833.205,448	17,437	16,969	63	61	78.633	2.322,412	23.138,720	9,963	9,496
14	12	98.818	45.176,228	785.420,910	17,386	16,918	64	62	77.060	2.152,219	20.816,307	9,672	9,204
15	13	98.791	42.708,328	740.244,682	17,333	16,865	65	63	75.367	1.990,471	18.664,089	9,377	8,909
16	14	98.758	40.372,687	697.536,354	17,277	16,810	66	64	73.543	1.836,700	16.673,618	9,078	8,610
17	15	98.709	38.158,413	657.163,666	17,222	16,754	67	65	71.609	1.691,140	14.836,918	8,773	8,306
18	16	98.641	36.058,872	619.005,254	17,167	16,699	68	66	69.502	1.552,151	13.145,778	8,469	8,002
19	17	98.546	34.065,145	582.946,381	17,113	16,645	69	67	67.245	1.420,079	11.593,628	8,164	7,696
20	18	98.445	32.179,877	548.881,236	17,057	16,589	70	68	64.847	1.294,984	10.173,549	7,856	7,389
21	19	98.341	30.398,264	516.701,359	16,998	16,530	71	69	62.277	1.176,042	8.878,565	7,550	7,082
22	20	98.237	28.714,902	486.303,095	16,936	16,468	72	70	59.547	1.063,334	7.702,523	7,244	6,776
23	21	98.132	27.124,529	457.588,192	16,870	16,402	73	71	56.634	956,329	6.639,188	6,942	6,475
24	22	98.035	25.624,390	430.463,663	16,799	16,331	74	72	53.555	855,163	5.682,860	6,645	6,178
25	23	97.938	24.206,964	404.839,274	16,724	16,257	75	73	50.356	760,372	4.827,696	6,349	5,882
26	24	97.840	22.868,035	380.632,309	16,645	16,177	76	74	47.050	671,812	4.067,324	6,054	5,587
27	25	97.744	21.603,283	357.764,274	16,561	16,093	77	75	43.685	589,853	3.395,512	5,757	5,289
28	26	97.650	20.409,004	336.160,991	16,471	16,004	78	76	40.223	513,580	2.805,659	5,463	4,995
29	27	97.551	19.279,710	315.751,987	16,377	15,910	79	77	36.688	442,968	2.292,079	5,174	4,707
30	28	97.454	18.213,272	296.472,278	16,278	15,810	80	78	33.131	378,268	1.849,111	4,888	4,421
31	29	97.354	17.205,261	278.259,006	16,173	15,705	81	79	29.532	318,845	1.470,842	4,613	4,145
32	30	97.248	16.252,144	261.053,745	16,063	15,595	82	80	25.967	265,111	1.151,998	4,345	3,878
33	31	97.137	15.350,839	244.801,601	15,947	15,480	83	81	22.383	216,098	886,887	4,104	3,637
34	32	97.017	14.498,246	229.450,762	15,826	15,359	84	82	18.982	173,296	670,789	3,871	3,403
35	33	96.890	13.691,960	214.952,516	15,699	15,232	85	83	15.797	136,381	497,493	3,648	3,180
36	34	96.750	12.928,763	201.260,556	15,567	15,099	86	84	12.961	105,812	361,112	3,413	2,945
37	35	96.595	12.206,254	188.331,793	15,429	14,962	87	85	10.341	79,828	255,300	3,198	2,731
38	36	96.429	11.522,710	176.125,539	15,285	14,818	88	86	8.025	58,582	175,472	2,995	2,528
39	37	96.242	10.875,012	164.602,829	15,136	14,668	89	87	6.022	41,568	116,890	2,812	2,344
40	38	96.035	10.261,553	153.727,817	14,981	14,513	90	88	4.357	28,440	75,322	2,648	2,181
41	39	95.802	9.680,109	143.466,264	14,821	14,353	91	89	3.050	18,825	46,883	2,490	2,023
42	40	95.544	9.129,066	133.786,155	14,655	14,187	92	90	2.045	11,938	28,058	2,350	1,883
43	41	95.250	8.606,153	124.657,088	14,485	14,017	93	91	1.317	7,272	16,120	2,217	1,749
44	42	94.920	8.110,036	116.050,935	14,310	13,842	94	92	805	4,204	8,848	2,105	1,637
45	43	94.559	7.639,887	107.940,899	14,129	13,661	95	93	470	2,319	4,644	2,003	1,535
46	44	94.146	7.192,901	100.301,012	13,944	13,477	96	94	261	1,218	2,325	1,910	1,442
47	45	93.696	6.769,275	93.108,111	13,755	13,287	97	95	137	0,607	1,108	1,825	1,358
48	46	93.197	6.367,099	86.338,836	13,560	13,093	98	96	69	0,286	0,501	1,748	1,281
49	47	92.649	5.985,548	79.971,737	13,361	12,893	99	97	32	0,128	0,214	1,679	1,211
							100	98	14	0,054	0,087	1,615	1,147

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 3 Jahre

Zinsfuß 5,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	47	92.234	5.634,688	74.475,789	13,217	12,750
1							51	48	91.598	5.291,597	68.841,100	13,010	12,542
2							52	49	90.930	4.967,397	63.549,504	12,793	12,326
3	0	99.484	84.122,084	1.493.530,088	17,754	17,287	53	50	90.179	4.658,514	58.582,107	12,575	12,108
4	1	99.088	79.231,575	1.409.408,004	17,788	17,321	54	51	89.386	4.366,465	53.923,593	12,349	11,882
5	2	99.039	74.886,598	1.330.176,429	17,763	17,295	55	52	88.533	4.089,619	49.557,128	12,118	11,650
6	3	99.006	70.791,053	1.255.289,831	17,732	17,265	56	53	87.604	3.826,700	45.467,509	11,882	11,414
7	4	98.977	66.922,603	1.184.498,778	17,700	17,232	57	54	86.644	3.578,953	41.640,810	11,635	11,167
8	5	98.952	63.267,799	1.117.576,175	17,664	17,197	58	55	85.595	3.343,399	38.061,856	11,384	10,917
9	6	98.928	59.812,772	1.054.308,376	17,627	17,159	59	56	84.459	3.119,618	34.718,457	11,129	10,661
10	7	98.909	56.550,037	994.495,604	17,586	17,119	60	57	83.235	2.907,267	31.598,839	10,869	10,401
11	8	98.891	53.465,531	937.945,567	17,543	17,075	61	58	81.931	2.706,105	28.691,572	10,603	10,135
12	9	98.868	50.546,265	884.480,036	17,498	17,031	62	59	80.557	2.516,054	25.985,467	10,328	9,860
13	10	98.848	47.788,556	833.933,772	17,450	16,983	63	60	79.068	2.335,266	23.469,413	10,050	9,582
14	11	98.827	45.180,465	786.145,216	17,400	16,933	64	61	77.496	2.164,398	21.134,147	9,764	9,297
15	12	98.800	42.711,956	740.964,751	17,348	16,880	65	62	75.844	2.003,076	18.969,749	9,470	9,003
16	13	98.768	40.376,600	698.252,795	17,294	16,826	66	63	74.047	1.849,278	16.966,673	9,175	8,707
17	14	98.720	38.162,860	657.876,195	17,239	16,771	67	64	72.136	1.703,598	15.117,395	8,874	8,406
18	15	98.659	36.065,316	619.713,336	17,183	16,716	68	65	70.075	1.564,932	13.413,796	8,571	8,104
19	16	98.567	34.072,361	583.648,019	17,130	16,662	69	66	67.859	1.433,057	11.848,864	8,268	7,801
20	17	98.466	32.186,959	549.575,658	17,074	16,607	70	67	65.513	1.308,283	10.415,807	7,961	7,494
21	18	98.370	30.407,009	517.388,700	17,015	16,548	71	68	62.998	1.189,649	9.107,524	7,656	7,188
22	19	98.264	28.722,864	486.981,691	16,954	16,487	72	69	60.316	1.077,076	7.917,876	7,351	6,884
23	20	98.163	27.133,099	458.258,826	16,889	16,422	73	70	57.450	970,118	6.840,800	7,052	6,584
24	21	98.059	25.630,661	431.125,727	16,821	16,353	74	71	54.437	869,256	5.870,682	6,754	6,286
25	22	97.964	24.213,520	405.495,066	16,747	16,279	75	72	51.281	774,333	5.001,426	6,459	5,991
26	23	97.866	22.874,003	381.281,546	16,669	16,201	76	73	48.028	685,783	4.227,093	6,164	5,696
27	24	97.771	21.609,154	358.407,543	16,586	16,118	77	74	44.703	603,592	3.541,310	5,867	5,399
28	25	97.674	20.414,027	336.798,390	16,498	16,031	78	75	41.294	527,250	2.937,718	5,572	5,104
29	26	97.578	19.285,109	316.384,362	16,406	15,938	79	76	37.782	456,174	2.410,468	5,284	4,817
30	27	97.482	18.218,581	297.099,254	16,307	15,840	80	77	34.245	390,988	1.954,294	4,998	4,531
31	28	97.383	17.210,369	278.880,673	16,204	15,737	81	78	30.668	331,116	1.563,306	4,721	4,254
32	29	97.277	16.256,903	261.670,303	16,096	15,628	82	79	27.107	276,753	1.232,190	4,452	3,985
33	30	97.169	15.355,867	245.413,401	15,982	15,514	83	80	23.529	227,165	955,437	4,206	3,738
34	31	97.052	14.503,426	230.057,534	15,862	15,395	84	81	20.102	183,526	728,273	3,968	3,501
35	32	96.924	13.696,831	215.554,107	15,738	15,270	85	82	16.889	145,804	544,746	3,736	3,269
36	33	96.789	12.933,931	201.857,277	15,607	15,139	86	83	13.962	113,979	398,943	3,500	3,033
37	34	96.641	12.211,979	188.923,346	15,470	15,003	87	84	11.244	86,804	284,964	3,283	2,815
38	35	96.479	11.528,612	176.711,366	15,328	14,860	88	85	8.788	64,152	198,160	3,089	2,621
39	36	96.296	10.881,165	165.182,754	15,181	14,713	89	86	6.697	46,228	134,008	2,899	2,431
40	37	96.094	10.267,850	154.301,589	15,028	14,560	90	87	4.939	32,240	87,780	2,723	2,255
41	38	95.869	9.686,885	144.033,740	14,869	14,401	91	88	3.511	21,676	55,540	2,562	2,095
42	39	95.620	9.136,378	134.346,855	14,705	14,237	92	89	2.401	14,015	33,864	2,416	1,949
43	40	95.333	8.613,647	125.210,477	14,536	14,069	93	90	1.575	8,693	19,849	2,283	1,816
44	41	95.014	8.118,060	116.596,830	14,363	13,895	94	91	991	5,174	11,156	2,156	1,689
45	42	94.666	7.648,489	108.478,769	14,183	13,715	95	92	591	2,918	5,983	2,050	1,582
46	43	94.268	7.202,250	100.830,280	14,000	13,532	96	93	336	1,569	3,064	1,953	1,485
47	44	93.826	6.778,711	93.628,030	13,812	13,344	97	94	182	0,802	1,495	1,865	1,397
48	45	93.345	6.377,213	86.849,320	13,619	13,151	98	95	93	0,389	0,693	1,784	1,317
49	46	92.816	5.996,317	80.472,106	13,420	12,953	99	96	45	0,178	0,305	1,711	1,244
							100	97	21	0,077	0,127	1,645	1,177

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 4 Jahre

Zinsfuß 5,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	46	92.399	5.644,826	74.927,669	13,274	12,806
1							51	47	91.776	5.301,907	69.282,843	13,068	12,600
2							52	48	91.123	4.977,950	63.980,936	12,853	12,385
3							53	49	90.397	4.669,753	59.002,986	12,635	12,168
4	0	99.465	79.533,559	1.410.463,227	17,734	17,267	54	50	89.613	4.377,525	54.333,233	12,412	11,944
5	1	99.074	74.913,427	1.330.929,668	17,766	17,299	55	51	88.779	4.101,008	49.955,708	12,181	11,714
6	2	99.025	70.805,052	1.256.016,241	17,739	17,272	56	52	87.870	3.838,304	45.854,700	11,947	11,479
7	3	98.994	66.934,092	1.185.211,189	17,707	17,240	57	53	86.918	3.590,290	42.016,396	11,703	11,235
8	4	98.965	63.275,971	1.118.277,097	17,673	17,205	58	54	85.894	3.355,069	38.426,106	11,453	10,986
9	5	98.940	59.820,592	1.055.001,125	17,636	17,169	59	55	84.780	3.131,477	35.071,037	11,200	10,732
10	6	98.918	56.555,248	995.180,533	17,597	17,129	60	56	83.571	2.918,986	31.939,560	10,942	10,474
11	7	98.900	53.470,187	938.625,285	17,554	17,087	61	57	82.298	2.718,237	29.020,575	10,676	10,209
12	8	98.877	50.551,117	885.155,098	17,510	17,043	62	58	80.947	2.528,229	26.302,338	10,403	9,936
13	9	98.855	47.791,644	834.603,981	17,463	16,996	63	59	79.472	2.347,199	23.774,109	10,129	9,661
14	10	98.835	45.184,265	786.812,336	17,413	16,946	64	60	77.925	2.176,378	21.426,910	9,845	9,378
15	11	98.809	42.715,962	741.628,072	17,362	16,894	65	61	76.273	2.014,412	19.250,532	9,556	9,089
16	12	98.776	40.380,029	698.912,110	17,308	16,841	66	62	74.516	1.860,989	17.236,121	9,262	8,794
17	13	98.730	38.166,558	658.532,081	17,254	16,787	67	63	72.630	1.715,265	15.375,132	8,964	8,496
18	14	98.670	36.069,519	620.365,523	17,199	16,732	68	64	70.591	1.576,460	13.659,867	8,665	8,197
19	15	98.584	34.078,450	584.296,004	17,146	16,678	69	65	68.418	1.444,858	12.083,406	8,363	7,895
20	16	98.487	32.193,777	550.217,554	17,091	16,623	70	66	66.112	1.320,240	10.638,548	8,058	7,590
21	17	98.391	30.413,701	518.023,778	17,033	16,565	71	67	63.645	1.201,866	9.318,309	7,753	7,286
22	18	98.293	28.731,127	487.610,077	16,971	16,504	72	68	61.014	1.089,537	8.116,443	7,449	6,982
23	19	98.190	27.140,623	458.878,950	16,907	16,440	73	69	58.193	982,655	7.026,905	7,151	6,683
24	20	98.090	25.638,759	431.738,327	16,839	16,372	74	70	55.222	881,789	6.044,251	6,855	6,387
25	21	97.988	24.219,446	406.099,568	16,768	16,300	75	71	52.126	787,093	5.162,461	6,559	6,091
26	22	97.893	22.880,197	381.880,122	16,690	16,223	76	72	48.910	698,375	4.375,368	6,265	5,797
27	23	97.796	21.614,793	358.999,925	16,609	16,141	77	73	45.632	616,144	3.676,994	5,968	5,500
28	24	97.701	20.419,575	337.385,132	16,523	16,055	78	74	42.256	539,531	3.060,849	5,673	5,206
29	25	97.602	19.289,855	316.965,557	16,432	15,964	79	75	38.787	468,316	2.521,319	5,384	4,916
30	26	97.510	18.223,683	297.675,702	16,335	15,867	80	76	35.266	402,644	2.053,003	5,099	4,631
31	27	97.411	17.215,387	279.452,019	16,233	15,765	81	77	31.700	342,251	1.650,359	4,822	4,354
32	28	97.306	16.261,729	262.236,632	16,126	15,658	82	78	28.150	287,405	1.308,108	4,551	4,084
33	29	97.197	15.360,363	245.974,903	16,014	15,546	83	79	24.563	237,140	1.020,704	4,304	3,837
34	30	97.084	14.508,177	230.614,540	15,895	15,428	84	80	21.132	192,924	783,564	4,062	3,594
35	31	96.959	13.701,725	216.106,363	15,772	15,305	85	81	17.886	154,411	590,639	3,825	3,358
36	32	96.823	12.938,532	202.404,638	15,644	15,176	86	82	14.926	121,854	436,228	3,580	3,112
37	33	96.679	12.216,861	189.466,107	15,509	15,041	87	83	12.112	93,504	314,374	3,362	2,895
38	34	96.524	11.534,019	177.249,246	15,368	14,900	88	84	9.556	69,757	220,870	3,166	2,699
39	35	96.346	10.886,739	165.715,226	15,222	14,754	89	85	7.333	50,624	151,113	2,985	2,517
40	36	96.148	10.273,659	154.828,488	15,070	14,603	90	86	5.493	35,855	100,489	2,803	2,335
41	37	95.928	9.692,829	144.554,829	14,914	14,446	91	87	3.981	24,572	64,634	2,630	2,163
42	38	95.687	9.142,773	134.862,000	14,751	14,283	92	88	2.765	16,137	40,062	2,483	2,015
43	39	95.409	8.620,546	125.719,227	14,584	14,116	93	89	1.849	10,206	23,925	2,344	1,877
44	40	95.097	8.125,129	117.098,681	14,412	13,944	94	90	1.185	6,185	13,719	2,218	1,751
45	41	94.759	7.656,057	108.973,552	14,234	13,766	95	91	728	3,591	7,534	2,098	1,630
46	42	94.374	7.210,359	101.317,494	14,052	13,584	96	92	423	1,974	3,943	1,997	1,529
47	43	93.948	6.787,521	94.107,135	13,865	13,397	97	93	234	1,033	1,968	1,905	1,437
48	44	93.475	6.386,103	87.319,615	13,673	13,206	98	94	123	0,513	0,935	1,821	1,354
49	45	92.963	6.005,843	80.933,512	13,476	13,008	99	95	61	0,242	0,422	1,745	1,277
							100	96	29	0,107	0,180	1,676	1,208

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 5 Jahre

Zinsfuß 5,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	45	92.546	5.653,793	75.344,049	13,326	12,859
1							51	46	91.942	5.311,446	69.690,255	13,121	12,653
2							52	47	91.301	4.987,649	64.378,809	12,908	12,440
3							53	48	90.589	4.679,674	59.391,160	12,691	12,224
4							54	49	89.829	4.388,086	54.711,486	12,468	12,001
5	0	99.452	75.198,953	1.331.907,241	17,712	17,244	55	50	89.004	4.111,396	50.323,400	12,240	11,772
6	1	99.061	70.830,420	1.256.708,288	17,742	17,275	56	51	88.115	3.848,993	46.212,004	12,006	11,539
7	2	99.014	66.947,329	1.185.877,868	17,714	17,246	57	52	87.182	3.601,177	42.363,011	11,764	11,296
8	3	98.982	63.286,834	1.118.930,540	17,680	17,213	58	53	86.166	3.365,696	38.761,834	11,517	11,049
9	4	98.953	59.828,319	1.055.643,706	17,645	17,177	59	54	85.076	3.142,407	35.396,138	11,264	10,796
10	5	98.931	56.562,642	995.815,386	17,606	17,138	60	55	83.888	2.930,081	32.253,731	11,008	10,540
11	6	98.909	53.475,115	939.252,744	17,564	17,097	61	56	82.630	2.729,194	29.323,650	10,744	10,277
12	7	98.886	50.555,520	885.777,629	17,521	17,053	62	57	81.310	2.539,563	26.594,456	10,472	10,004
13	8	98.864	47.796,232	835.222,109	17,475	17,007	63	58	79.856	2.358,557	24.054,893	10,199	9,731
14	9	98.842	45.187,184	787.425,877	17,426	16,958	64	59	78.323	2.187,499	21.696,336	9,918	9,451
15	10	98.817	42.719,554	742.238,693	17,375	16,907	65	60	76.695	2.025,561	19.508,837	9,631	9,164
16	11	98.786	40.383,816	699.519,139	17,322	16,854	66	61	74.938	1.871,521	17.483,276	9,342	8,874
17	12	98.738	38.169,799	659.135,323	17,269	16,801	67	62	73.090	1.726,127	15.611,756	9,044	8,577
18	13	98.680	36.073,014	620.965,523	17,214	16,747	68	63	71.074	1.587,257	13.885,628	8,748	8,281
19	14	98.596	34.082,421	584.892,509	17,161	16,694	69	64	68.922	1.455,502	12.298,372	8,450	7,982
20	15	98.505	32.199,530	550.810,088	17,106	16,639	70	65	66.656	1.331,111	10.842,870	8,146	7,678
21	16	98.412	30.420,143	518.610,558	17,048	16,581	71	66	64.226	1.212,850	9.511,758	7,842	7,375
22	17	98.314	28.737,450	488.190,415	16,988	16,520	72	67	61.641	1.100,726	8.298,909	7,539	7,072
23	18	98.219	27.148,430	459.452,965	16,924	16,456	73	68	58.866	994,024	7.198,182	7,241	6,774
24	19	98.117	25.645,868	432.304,535	16,857	16,389	74	69	55.936	893,185	6.204,158	6,946	6,479
25	20	98.019	24.227,098	406.658,666	16,785	16,318	75	70	52.878	798,442	5.310,974	6,652	6,184
26	21	97.916	22.885,797	382.431,568	16,710	16,243	76	71	49.716	709,883	4.512,532	6,357	5,889
27	22	97.823	21.620,647	359.545,772	16,630	16,162	77	72	46.470	627,457	3.802,648	6,060	5,593
28	23	97.726	20.424,904	337.925,125	16,545	16,077	78	73	43.134	550,751	3.175,192	5,765	5,298
29	24	97.629	19.295,097	317.500,221	16,455	15,987	79	74	39.691	479,224	2.624,441	5,476	5,009
30	25	97.534	18.228,168	298.205,124	16,360	15,892	80	75	36.204	413,361	2.145,217	5,190	4,722
31	26	97.438	17.220,207	279.976,955	16,259	15,791	81	76	32.645	352,454	1.731,856	4,914	4,446
32	27	97.334	16.266,470	262.756,748	16,153	15,686	82	77	29.097	297,069	1.379,402	4,643	4,176
33	28	97.226	15.364,924	246.490,278	16,042	15,575	83	78	25.508	246,267	1.082,333	4,395	3,927
34	29	97.112	14.512,424	231.125,354	15,926	15,458	84	79	22.060	201,396	836,066	4,151	3,684
35	30	96.991	13.706,213	216.612,930	15,804	15,336	85	80	18.802	162,318	634,669	3,910	3,442
36	31	96.858	12.943,155	202.906,717	15,677	15,209	86	81	15.807	129,047	472,351	3,660	3,193
37	32	96.714	12.221,207	189.963,562	15,544	15,076	87	82	12.949	99,964	343,304	3,434	2,967
38	33	96.563	11.538,630	177.742,356	15,404	14,937	88	83	10.293	75,142	243,339	3,238	2,771
39	34	96.391	10.891,845	166.203,725	15,259	14,792	89	84	7.974	55,047	168,197	3,056	2,588
40	35	96.197	10.278,921	155.311,881	15,110	14,642	90	85	6.015	39,264	113,150	2,882	2,414
41	36	95.982	9.698,313	145.032,959	14,954	14,487	91	86	4.427	27,327	73,886	2,704	2,236
42	37	95.746	9.148,383	135.334,647	14,793	14,326	92	87	3.134	18,294	46,559	2,545	2,077
43	38	95.476	8.626,580	126.186,263	14,628	14,160	93	88	2.129	11,751	28,265	2,405	1,938
44	39	95.173	8.131,636	117.559,683	14,457	13,989	94	89	1.391	7,261	16,514	2,274	1,807
45	40	94.842	7.662,724	109.428,047	14,281	13,813	95	90	870	4,293	9,253	2,155	1,688
46	41	94.468	7.217,493	101.765,323	14,100	13,632	96	91	521	2,430	4,960	2,041	1,574
47	42	94.054	6.795,163	94.547,829	13,914	13,446	97	92	295	1,300	2,530	1,946	1,478
48	43	93.596	6.394,403	87.752,666	13,723	13,256	98	93	159	0,662	1,230	1,858	1,391
49	44	93.093	6.014,215	81.358,263	13,528	13,060	99	94	81	0,319	0,568	1,779	1,311
							100	95	39	0,146	0,249	1,707	1,239

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 6 Jahre

Zinsfuß 5,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	44	92.675	5.661,674	75.727,097	13,375	12,908
1							51	45	92.088	5.319,884	70.065,422	13,170	12,703
2							52	46	91.465	4.996,623	64.745,538	12,958	12,490
3							53	47	90.766	4.688,792	59.748,916	12,743	12,275
4							54	48	90.020	4.397,408	55.060,124	12,521	12,053
5							55	49	89.219	4.121,315	50.662,716	12,293	11,825
6	0	99.438	71.100,383	1.257.613,791	17,688	17,220	56	50	88.338	3.858,743	46.541,401	12,061	11,594
7	1	99.049	66.971,314	1.186.513,408	17,717	17,249	57	51	87.425	3.611,206	42.682,658	11,820	11,352
8	2	99.002	63.299,349	1.119.542,094	17,686	17,219	58	52	86.427	3.375,902	39.071,452	11,574	11,106
9	3	98.970	59.838,590	1.056.242,745	17,652	17,184	59	53	85.345	3.152,360	35.695,549	11,323	10,856
10	4	98.944	56.569,948	996.404,154	17,614	17,146	60	54	84.181	2.940,309	32.543,189	11,068	10,600
11	5	98.922	53.482,106	939.834,206	17,573	17,105	61	55	82.944	2.739,568	29.602,881	10,806	10,338
12	6	98.895	50.560,179	886.352,100	17,531	17,063	62	56	81.637	2.549,800	26.863,312	10,535	10,068
13	7	98.873	47.800,395	835.791,921	17,485	17,017	63	57	80.214	2.369,131	24.313,513	10,263	9,795
14	8	98.851	45.191,522	787.991,526	17,437	16,969	64	58	78.702	2.198,084	21.944,382	9,983	9,516
15	9	98.824	42.722,315	742.800,003	17,387	16,919	65	59	77.087	2.035,911	19.746,298	9,699	9,231
16	10	98.794	40.387,212	700.077,689	17,334	16,867	66	60	75.352	1.881,879	17.710,387	9,411	8,943
17	11	98.748	38.173,379	659.690,476	17,281	16,814	67	61	73.504	1.735,896	15.828,508	9,118	8,651
18	12	98.688	36.076,078	621.517,097	17,228	16,760	68	62	71.524	1.597,308	14.092,612	8,823	8,355
19	13	98.605	34.085,724	585.441,019	17,176	16,708	69	63	69.394	1.465,470	12.495,304	8,526	8,059
20	14	98.516	32.203,282	551.355,295	17,121	16,654	70	64	67.147	1.340,917	11.029,834	8,226	7,758
21	15	98.430	30.425,579	519.152,013	17,063	16,595	71	65	64.755	1.222,837	9.688,917	7,923	7,456
22	16	98.335	28.743,537	488.726,434	17,003	16,535	72	66	62.204	1.110,786	8.466,080	7,622	7,154
23	17	98.240	27.154,405	459.982,897	16,940	16,472	73	67	59.470	1.004,232	7.355,293	7,324	6,857
24	18	98.146	25.653,246	432.828,492	16,872	16,405	74	68	56.583	903,519	6.351,062	7,029	6,562
25	19	98.046	24.233,816	407.175,246	16,802	16,334	75	69	53.561	808,760	5.447,543	6,736	6,268
26	20	97.947	22.893,028	382.941,430	16,727	16,260	76	70	50.433	720,119	4.638,783	6,442	5,974
27	21	97.846	21.625,938	360.048,402	16,649	16,181	77	71	47.236	637,797	3.918,664	6,144	5,676
28	22	97.753	20.430,435	338.422,464	16,565	16,097	78	72	43.926	560,863	3.280,867	5,850	5,382
29	23	97.654	19.300,133	317.992,029	16,476	16,009	79	73	40.516	489,190	2.720,004	5,560	5,093
30	24	97.560	18.233,122	298.691,896	16,382	15,914	80	74	37.048	422,989	2.230,814	5,274	4,806
31	25	97.462	17.224,446	280.458,774	16,283	15,815	81	75	33.514	361,835	1.807,825	4,996	4,529
32	26	97.361	16.271,025	263.234,329	16,178	15,711	82	76	29.964	305,925	1.445,990	4,727	4,259
33	27	97.254	15.369,403	246.963,303	16,069	15,601	83	77	26.366	254,548	1.140,065	4,479	4,011
34	28	97.141	14.516,733	231.593,901	15,954	15,486	84	78	22.909	209,148	885,517	4,234	3,766
35	29	97.019	13.710,226	217.077,167	15,833	15,366	85	79	19.627	169,446	676,369	3,992	3,524
36	30	96.889	12.947,394	203.366,941	15,707	15,240	86	80	16.617	135,656	506,923	3,737	3,269
37	31	96.748	12.225,574	190.419,547	15,576	15,108	87	81	13.714	105,866	371,267	3,507	3,039
38	32	96.597	11.542,734	178.193,974	15,438	14,970	88	82	11.004	80,333	265,401	3,304	2,836
39	33	96.429	10.896,199	166.651,239	15,294	14,827	89	83	8.590	59,296	185,068	3,121	2,653
40	34	96.242	10.283,742	155.755,040	15,146	14,678	90	84	6.540	42,695	125,771	2,946	2,478
41	35	96.032	9.703,280	145.471,298	14,992	14,524	91	85	4.848	29,926	83,076	2,776	2,309
42	36	95.800	9.153,559	135.768,018	14,832	14,365	92	86	3.485	20,345	53,151	2,612	2,145
43	37	95.535	8.631,873	126.614,458	14,668	14,201	93	87	2.413	13,322	32,806	2,463	1,995
44	38	95.240	8.137,329	117.982,585	14,499	14,031	94	88	1.602	8,360	19,484	2,331	1,863
45	39	94.918	7.668,861	109.845,256	14,324	13,856	95	89	1.021	5,040	11,124	2,207	1,739
46	40	94.550	7.223,778	102.176,395	14,144	13,677	96	90	622	2,905	6,084	2,094	1,627
47	41	94.147	6.801,887	94.952,617	13,960	13,492	97	91	363	1,600	3,179	1,987	1,519
48	42	93.702	6.401,603	88.150,731	13,770	13,303	98	92	199	0,833	1,579	1,896	1,428
49	43	93.214	6.022,031	81.749,128	13,575	13,107	99	93	104	0,411	0,746	1,814	1,346
							100	94	52	0,193	0,335	1,738	1,271

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 7 Jahre

Zinsfuß 5,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	43	92.796	5.669,033	76.079,399	13,420	12,953
1							51	44	92.216	5.327,299	70.410,366	13,217	12,749
2							52	45	91.611	5.004,560	65.083,067	13,005	12,537
3							53	46	90.929	4.697,228	60.078,507	12,790	12,323
4							54	47	90.195	4.405,976	55.381,279	12,570	12,102
5							55	48	89.408	4.130,070	50.975,303	12,342	11,875
6							56	49	88.551	3.868,052	46.845,233	12,111	11,643
7	0	99.427	67.226,569	1.187.352,092	17,662	17,194	57	50	87.646	3.620,353	42.977,180	11,871	11,403
8	1	99.037	63.322,028	1.120.125,523	17,689	17,222	58	51	86.668	3.385,304	39.356,827	11,626	11,158
9	2	98.990	59.850,424	1.056.803,495	17,657	17,190	59	52	85.604	3.161,919	35.971,523	11,376	10,909
10	3	98.961	56.579,660	996.953,072	17,620	17,153	60	53	84.448	2.949,622	32.809,603	11,123	10,656
11	4	98.935	53.489,014	940.373,412	17,581	17,113	61	54	83.234	2.749,131	29.859,981	10,862	10,394
12	5	98.908	50.566,789	886.884,397	17,539	17,071	62	55	81.948	2.559,492	27.110,851	10,592	10,125
13	6	98.882	47.804,800	836.317,608	17,494	17,027	63	56	80.538	2.378,680	24.551,359	10,321	9,854
14	7	98.860	45.195,458	788.512,808	17,447	16,979	64	57	79.055	2.207,938	22.172,678	10,042	9,575
15	8	98.833	42.726,416	743.317,350	17,397	16,930	65	58	77.460	2.045,763	19.964,740	9,759	9,291
16	9	98.800	40.389,822	700.590,933	17,346	16,878	66	59	75.737	1.891,495	17.918,978	9,473	9,006
17	10	98.756	38.176,590	660.201,111	17,293	16,826	67	60	73.910	1.745,504	16.027,483	9,182	8,715
18	11	98.698	36.079,462	622.024,522	17,240	16,773	68	61	71.929	1.606,348	14.281,979	8,891	8,423
19	12	98.614	34.088,619	585.945,060	17,189	16,721	69	62	69.834	1.474,750	12.675,631	8,595	8,128
20	13	98.526	32.206,403	551.856,441	17,135	16,667	70	63	67.607	1.350,100	11.200,881	8,296	7,829
21	14	98.441	30.429,125	519.650,038	17,077	16,610	71	64	65.232	1.231,846	9.850,781	7,997	7,529
22	15	98.353	28.748,674	489.220,914	17,017	16,550	72	65	62.716	1.119,933	8.618,935	7,696	7,228
23	16	98.261	27.160,157	460.472,240	16,954	16,486	73	66	60.014	1.013,410	7.499,002	7,400	6,932
24	17	98.167	25.658,891	433.312,083	16,887	16,420	74	67	57.164	912,797	6.485,592	7,105	6,638
25	18	98.075	24.240,787	407.653,192	16,817	16,349	75	68	54.181	818,117	5.572,795	6,812	6,344
26	19	97.975	22.899,376	383.412,405	16,743	16,276	76	69	51.085	729,425	4.754,677	6,518	6,051
27	20	97.877	21.632,771	360.513,029	16,665	16,198	77	70	47.917	646,993	4.025,252	6,221	5,754
28	21	97.776	20.435,435	338.880,258	16,583	16,115	78	71	44.650	570,105	3.378,259	5,926	5,458
29	22	97.681	19.305,360	318.444,823	16,495	16,028	79	72	41.260	498,172	2.808,154	5,637	5,169
30	23	97.586	18.237,880	299.139,463	16,402	15,935	80	73	37.818	431,786	2.309,982	5,350	4,882
31	24	97.489	17.229,127	280.901,583	16,304	15,836	81	74	34.294	370,263	1.878,197	5,073	4,605
32	25	97.385	16.275,030	263.672,457	16,201	15,733	82	75	30.762	314,068	1.507,934	4,801	4,334
33	26	97.282	15.373,707	247.397,427	16,092	15,625	83	76	27.152	262,137	1.193,866	4,554	4,087
34	27	97.169	14.520,965	232.023,720	15,979	15,511	84	77	23.679	216,181	931,729	4,310	3,842
35	28	97.048	13.714,297	217.502,755	15,860	15,392	85	78	20.383	175,968	715,548	4,066	3,599
36	29	96.918	12.951,185	203.788,458	15,735	15,268	86	79	17.347	141,613	539,580	3,810	3,343
37	30	96.780	12.229,578	190.837,273	15,605	15,137	87	80	14.416	111,287	397,967	3,576	3,108
38	31	96.631	11.546,859	178.607,695	15,468	15,000	88	81	11.654	85,076	286,680	3,370	2,902
39	32	96.464	10.900,075	167.060,836	15,327	14,859	89	82	9.183	63,393	201,604	3,180	2,713
40	33	96.281	10.287,853	156.160,762	15,179	14,712	90	83	7.045	45,991	138,211	3,005	2,538
41	34	96.077	9.707,832	145.872,908	15,026	14,559	91	84	5.272	32,541	92,221	2,834	2,366
42	35	95.849	9.158,248	136.165,077	14,868	14,400	92	85	3.817	22,279	59,680	2,679	2,211
43	36	95.589	8.636,757	127.006,829	14,705	14,238	93	86	2.684	14,815	37,401	2,524	2,057
44	37	95.298	8.142,322	118.370,072	14,538	14,070	94	87	1.816	9,478	22,586	2,383	1,916
45	38	94.984	7.674,229	110.227,750	14,363	13,896	95	88	1.176	5,804	13,108	2,259	1,791
46	39	94.626	7.229,563	102.553,521	14,185	13,718	96	89	731	3,410	7,305	2,142	1,674
47	40	94.229	6.807,809	95.323,957	14,002	13,535	97	90	433	1,913	3,894	2,036	1,568
48	41	93.794	6.407,937	88.516,148	13,814	13,346	98	91	245	1,025	1,982	1,934	1,466
49	42	93.319	6.028,812	82.108,211	13,619	13,152	99	92	131	0,518	0,957	1,848	1,381
							100	93	66	0,248	0,439	1,770	1,303

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 8 Jahre

Zinsfuß 5,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	42	92.900	5.675,416	76.402,908	13,462	12,995
1							51	43	92.336	5.334,223	70.727,492	13,259	12,792
2							52	44	91.738	5.011,536	65.393,269	13,049	12,581
3							53	45	91.073	4.704,690	60.381,733	12,834	12,367
4							54	46	90.357	4.413,903	55.677,043	12,614	12,146
5							55	47	89.583	4.138,118	51.263,140	12,388	11,920
6							56	48	88.739	3.876,270	47.125,022	12,157	11,690
7							57	49	87.858	3.629,088	43.248,753	11,917	11,450
8	0	99.415	63.563,374	1.120.902,304	17,634	17,167	58	50	86.888	3.393,879	39.619,665	11,674	11,206
9	1	99.025	59.871,866	1.057.338,930	17,660	17,192	59	51	85.842	3.170,725	36.225,786	11,425	10,958
10	2	98.981	56.590,849	997.467,064	17,626	17,158	60	52	84.704	2.958,566	33.055,060	11,173	10,705
11	3	98.952	53.498,197	940.876,215	17,587	17,119	61	53	83.497	2.757,839	30.096,494	10,913	10,445
12	4	98.920	50.573,321	887.378,017	17,546	17,079	62	54	82.234	2.568,426	27.338,655	10,644	10,177
13	5	98.895	47.811,050	836.804,697	17,502	17,035	63	55	80.844	2.387,722	24.770,230	10,374	9,906
14	6	98.869	45.199,623	788.993,646	17,456	16,988	64	56	79.374	2.216,838	22.382,508	10,097	9,629
15	7	98.842	42.730,137	743.794,023	17,407	16,939	65	57	77.808	2.054,934	20.165,670	9,813	9,346
16	8	98.810	40.393,700	701.063,886	17,356	16,888	66	58	76.104	1.900,648	18.110,736	9,529	9,061
17	9	98.762	38.179,057	660.670,186	17,305	16,837	67	59	74.288	1.754,423	16.210,088	9,240	8,772
18	10	98.706	36.082,496	622.491,129	17,252	16,784	68	60	72.327	1.615,239	14.455,665	8,950	8,482
19	11	98.623	34.091,816	586.408,633	17,201	16,733	69	61	70.229	1.483,096	12.840,426	8,658	8,190
20	12	98.534	32.209,138	552.316,817	17,148	16,680	70	62	68.035	1.358,650	11.357,330	8,359	7,892
21	13	98.451	30.432,073	520.107,679	17,091	16,623	71	63	65.679	1.240,282	9.998,680	8,062	7,594
22	14	98.364	28.752,024	489.675,606	17,031	16,563	72	64	63.178	1.128,183	8.758,398	7,763	7,296
23	15	98.279	27.165,010	460.923,582	16,968	16,500	73	65	60.508	1.021,755	7.630,215	7,468	7,000
24	16	98.188	25.664,327	433.758,572	16,901	16,434	74	66	57.686	921,140	6.608,460	7,174	6,707
25	17	98.096	24.246,122	408.094,245	16,831	16,364	75	67	54.737	826,519	5.687,320	6,881	6,413
26	18	98.003	22.905,963	383.848,123	16,758	16,290	76	68	51.676	737,864	4.860,801	6,588	6,120
27	19	97.905	21.638,769	360.942,160	16,680	16,213	77	69	48.536	655,354	4.122,937	6,291	5,824
28	20	97.807	20.441,892	339.303,391	16,598	16,131	78	70	45.294	578,325	3.467,583	5,996	5,528
29	21	97.705	19.310,084	318.861,499	16,513	16,045	79	71	41.940	506,381	2.889,258	5,706	5,238
30	22	97.612	18.242,819	299.551,415	16,420	15,953	80	72	38.512	439,713	2.382,877	5,419	4,952
31	23	97.514	17.233,623	281.308,596	16,323	15,856	81	73	35.007	377,963	1.943,163	5,141	4,674
32	24	97.412	16.279,453	264.074,973	16,221	15,754	82	74	31.478	321,383	1.565,200	4,870	4,403
33	25	97.306	15.377,491	247.795,520	16,114	15,647	83	75	27.875	269,114	1.243,817	4,622	4,154
34	26	97.196	14.525,032	232.418,029	16,001	15,534	84	76	24.385	222,625	974,703	4,378	3,911
35	27	97.076	13.718,294	217.892,998	15,883	15,416	85	77	21.068	181,885	752,077	4,135	3,667
36	28	96.946	12.955,030	204.174,703	15,760	15,293	86	78	18.014	147,063	570,192	3,877	3,410
37	29	96.808	12.233,159	191.219,673	15,631	15,164	87	79	15.049	116,174	423,129	3,642	3,175
38	30	96.663	11.550,641	178.986,514	15,496	15,028	88	80	12.251	89,432	306,955	3,432	2,965
39	31	96.498	10.903,970	167.435,873	15,355	14,888	89	81	9.725	67,135	217,522	3,240	2,772
40	32	96.315	10.291,513	156.531,904	15,210	14,742	90	82	7.532	49,168	150,387	3,059	2,591
41	33	96.115	9.711,712	146.240,391	15,058	14,591	91	83	5.678	35,052	101,219	2,888	2,420
42	34	95.894	9.162,544	136.528,679	14,901	14,433	92	84	4.150	24,226	66,167	2,731	2,264
43	35	95.638	8.641,181	127.366,135	14,739	14,272	93	85	2.939	16,224	41,941	2,585	2,118
44	36	95.352	8.146,928	118.724,954	14,573	14,105	94	86	2.019	10,540	25,716	2,440	1,972
45	37	95.043	7.678,938	110.578,026	14,400	13,933	95	87	1.333	6,579	15,176	2,307	1,839
46	38	94.692	7.234,624	102.899,088	14,223	13,756	96	88	841	3,927	8,597	2,189	1,722
47	39	94.305	6.813,262	95.664,464	14,041	13,573	97	89	509	2,246	4,671	2,080	1,612
48	40	93.876	6.413,517	88.851,202	13,854	13,386	98	90	293	1,225	2,425	1,980	1,512
49	41	93.411	6.034,777	82.437,685	13,660	13,193	99	91	161	0,637	1,200	1,883	1,416
							100	92	84	0,312	0,563	1,803	1,335

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 9 Jahre

Zinsfuß 5,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	41	92.992	5.681,032	76.699,629	13,501	13,033
1							51	42	92.440	5.340,229	71.018,597	13,299	12,831
2							52	43	91.857	5.018,050	65.678,368	13,088	12,621
3							53	44	91.200	4.711,248	60.660,318	12,876	12,408
4							54	45	90.501	4.420,915	55.949,070	12,656	12,188
5							55	46	89.744	4.145,563	51.528,155	12,430	11,962
6							56	47	88.912	3.883,822	47.382,592	12,200	11,732
7							57	48	88.044	3.636,797	43.498,770	11,961	11,493
8							58	49	87.097	3.402,067	39.861,973	11,717	11,249
9	0	99.403	60.100,062	1.058.058,405	17,605	17,137	59	50	86.060	3.178,757	36.459,906	11,470	11,002
10	1	99.016	56.611,124	997.958,343	17,628	17,161	60	51	84.940	2.966,806	33.281,149	11,218	10,750
11	2	98.971	53.508,777	941.347,219	17,592	17,125	61	52	83.750	2.766,201	30.314,343	10,959	10,491
12	3	98.937	50.582,003	887.838,443	17,552	17,085	62	53	82.494	2.576,561	27.548,141	10,692	10,224
13	4	98.908	47.817,226	837.256,439	17,510	17,042	63	54	81.126	2.396,056	24.971,580	10,422	9,954
14	5	98.882	45.205,533	789.439,213	17,463	16,996	64	55	79.676	2.225,265	22.575,524	10,145	9,678
15	6	98.851	42.734,075	744.233,681	17,415	16,948	65	56	78.121	2.063,217	20.350,259	9,863	9,396
16	7	98.818	40.397,218	701.499,605	17,365	16,897	66	57	76.445	1.909,169	18.287,042	9,579	9,111
17	8	98.772	38.182,722	661.102,388	17,314	16,847	67	58	74.648	1.762,912	16.377,873	9,290	8,823
18	9	98.712	36.084,828	622.919,666	17,263	16,795	68	59	72.697	1.623,492	14.614,961	9,002	8,535
19	10	98.631	34.094,683	586.834,838	17,212	16,744	69	60	70.617	1.491,305	12.991,469	8,711	8,244
20	11	98.543	32.212,159	552.740,155	17,159	16,692	70	61	68.420	1.366,339	11.500,164	8,417	7,949
21	12	98.459	30.434,658	520.527,996	17,103	16,636	71	62	66.095	1.248,136	10.133,825	8,119	7,652
22	13	98.374	28.754,810	490.093,338	17,044	16,576	72	63	63.611	1.135,910	8.885,689	7,823	7,355
23	14	98.290	27.168,176	461.338,528	16,981	16,513	73	64	60.954	1.029,282	7.749,780	7,529	7,062
24	15	98.206	25.668,913	434.170,352	16,914	16,447	74	65	58.161	928,725	6.720,498	7,236	6,769
25	16	98.117	24.251,258	408.501,439	16,845	16,377	75	66	55.237	834,073	5.791,773	6,944	6,476
26	17	98.024	22.911,004	384.250,182	16,771	16,304	76	67	52.206	745,442	4.957,700	6,651	6,183
27	18	97.933	21.644,994	361.339,178	16,694	16,226	77	68	49.098	662,936	4.212,258	6,354	5,886
28	19	97.834	20.447,560	339.694,183	16,613	16,145	78	69	45.879	585,799	3.549,322	6,059	5,591
29	20	97.735	19.316,185	319.246,623	16,527	16,060	79	70	42.545	513,682	2.963,523	5,769	5,302
30	21	97.636	18.247,284	299.930,438	16,437	15,969	80	71	39.147	446,960	2.449,840	5,481	5,014
31	22	97.541	17.238,290	281.683,154	16,341	15,873	81	72	35.650	384,902	2.002,881	5,204	4,736
32	23	97.437	16.283,701	264.444,864	16,240	15,772	82	73	32.133	328,067	1.617,978	4,932	4,464
33	24	97.332	15.381,670	248.161,163	16,134	15,666	83	74	28.524	275,382	1.289,912	4,684	4,216
34	25	97.220	14.528,607	232.779,493	16,022	15,555	84	75	25.034	228,551	1.014,529	4,439	3,971
35	26	97.104	13.722,136	218.250,887	15,905	15,437	85	76	21.696	187,307	785,978	4,196	3,729
36	27	96.975	12.958,807	204.528,750	15,783	15,315	86	77	18.620	152,009	598,670	3,938	3,471
37	28	96.837	12.236,791	191.569,943	15,655	15,188	87	78	15.628	120,645	446,662	3,702	3,235
38	29	96.691	11.554,023	179.333,153	15,521	15,054	88	79	12.789	93,360	326,016	3,492	3,024
39	30	96.530	10.907,541	167.779,130	15,382	14,914	89	80	10.223	70,573	232,657	3,297	2,829
40	31	96.349	10.295,190	156.871,589	15,237	14,770	90	81	7.977	52,071	162,083	3,113	2,645
41	32	96.149	9.715,167	146.576,399	15,087	14,620	91	82	6.071	37,474	110,013	2,936	2,468
42	33	95.932	9.166,206	136.861,232	14,931	14,463	92	83	4.471	26,096	72,539	2,780	2,312
43	34	95.683	8.645,234	127.695,026	14,771	14,303	93	84	3.196	17,642	46,443	2,633	2,165
44	35	95.401	8.151,101	119.049,792	14,605	14,138	94	85	2.211	11,542	28,801	2,495	2,028
45	36	95.096	7.683,283	110.898,691	14,434	13,966	95	86	1.482	7,317	17,259	2,359	1,891
46	37	94.750	7.239,063	103.215,408	14,258	13,791	96	87	954	4,451	9,942	2,233	1,766
47	38	94.371	6.818,031	95.976,345	14,077	13,609	97	88	586	2,586	5,491	2,123	1,656
48	39	93.951	6.418,653	89.158,313	13,891	13,423	98	89	345	1,438	2,905	2,020	1,552
49	40	93.493	6.040,032	82.739,660	13,699	13,231	99	90	193	0,762	1,467	1,926	1,458
							100	91	103	0,384	0,705	1,835	1,367

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 10 Jahre

Zinsfuß 5,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	40	93.073	5.685,978	76.971,498	13,537	13,069
1							51	41	92.531	5.345,513	71.285,520	13,336	12,868
2							52	42	91.961	5.023,700	65.940,007	13,126	12,658
3							53	43	91.319	4.717,371	60.916,307	12,913	12,446
4							54	44	90.627	4.427,078	56.198,936	12,694	12,227
5							55	45	89.886	4.152,148	51.771,858	12,469	12,001
6							56	46	89.072	3.890,810	47.619,710	12,239	11,771
7							57	47	88.216	3.643,884	43.728,900	12,001	11,533
8							58	48	87.282	3.409,295	40.085,016	11,758	11,290
9							59	49	86.267	3.186,426	36.675,722	11,510	11,042
10	0	99.393	56.826,892	998.624,805	17,573	17,106	60	50	85.155	2.974,321	33.489,296	11,259	10,792
11	1	99.007	53.527,947	941.797,913	17,595	17,127	61	51	83.984	2.773,905	30.514,975	11,001	10,533
12	2	98.957	50.592,006	888.269,966	17,558	17,090	62	52	82.744	2.584,374	27.741,070	10,734	10,267
13	3	98.924	47.825,435	837.677,960	17,515	17,048	63	53	81.383	2.403,646	25.156,696	10,466	9,998
14	4	98.895	45.211,372	789.852,525	17,470	17,003	64	54	79.954	2.233,032	22.753,050	10,189	9,722
15	5	98.864	42.739,662	744.641,153	17,423	16,955	65	55	78.418	2.071,060	20.520,018	9,908	9,440
16	6	98.827	40.400,941	701.901,491	17,373	16,906	66	56	76.753	1.916,864	18.448,958	9,625	9,157
17	7	98.780	38.186,047	661.500,550	17,323	16,856	67	57	74.982	1.770,816	16.532,094	9,336	8,868
18	8	98.722	36.088,292	623.314,503	17,272	16,804	68	58	73.049	1.631,348	14.761,278	9,049	8,581
19	9	98.637	34.096,886	587.226,211	17,222	16,755	69	59	70.978	1.498,925	13.129,930	8,760	8,292
20	10	98.552	32.214,868	553.129,325	17,170	16,702	70	60	68.799	1.373,901	11.631,005	8,466	7,998
21	11	98.468	30.437,512	520.914,457	17,114	16,647	71	61	66.469	1.255,200	10.257,104	8,172	7,704
22	12	98.382	28.757,252	490.476,944	17,056	16,588	72	62	64.014	1.143,103	9.001,904	7,875	7,407
23	13	98.299	27.170,809	461.719,692	16,993	16,526	73	63	61.371	1.036,331	7.858,801	7,583	7,116
24	14	98.217	25.671,904	434.548,883	16,927	16,459	74	64	58.590	935,567	6.822,470	7,292	6,825
25	15	98.134	24.255,591	408.876,979	16,857	16,389	75	65	55.692	840,941	5.886,904	7,000	6,533
26	16	98.045	22.915,857	384.621,388	16,784	16,316	76	66	52.683	752,255	5.045,963	6,708	6,240
27	17	97.954	21.649,758	361.705,531	16,707	16,240	77	67	49.602	669,744	4.293,708	6,411	5,943
28	18	97.863	20.453,442	340.055,773	16,626	16,158	78	68	46.410	592,577	3.623,964	6,116	5,648
29	19	97.763	19.321,541	319.602,331	16,541	16,074	79	69	43.094	520,321	3.031,387	5,826	5,358
30	20	97.667	18.253,049	300.280,790	16,451	15,983	80	70	39.711	453,404	2.511,066	5,538	5,071
31	21	97.565	17.242,509	282.027,740	16,357	15,889	81	71	36.238	391,245	2.057,662	5,259	4,792
32	22	97.464	16.288,111	264.785,232	16,256	15,789	82	72	32.723	334,090	1.666,417	4,988	4,520
33	23	97.357	15.385,684	248.497,121	16,151	15,684	83	73	29.117	281,109	1.332,327	4,740	4,272
34	24	97.247	14.532,555	233.111,437	16,041	15,573	84	74	25.617	233,875	1.051,217	4,495	4,027
35	25	97.127	13.725,514	218.578,882	15,925	15,457	85	75	22.274	192,293	817,343	4,251	3,783
36	26	97.002	12.962,436	204.853,368	15,804	15,336	86	76	19.175	156,540	625,050	3,993	3,525
37	27	96.865	12.240,358	191.890,932	15,677	15,209	87	77	16.154	124,702	468,510	3,757	3,289
38	28	96.720	11.557,453	179.650,575	15,544	15,077	88	78	13.281	96,953	343,807	3,546	3,079
39	29	96.558	10.910,735	168.093,121	15,406	14,939	89	79	10.672	73,672	246,854	3,351	2,883
40	30	96.381	10.298,562	157.182,387	15,263	14,795	90	80	8.385	54,737	173,182	3,164	2,696
41	31	96.184	9.718,638	146.883,824	15,114	14,646	91	81	6.429	39,686	118,445	2,985	2,517
42	32	95.967	9.169,467	137.165,186	14,959	14,491	92	82	4.780	27,899	78,758	2,823	2,355
43	33	95.721	8.648,690	127.995,720	14,799	14,332	93	83	3.443	19,003	50,859	2,676	2,209
44	34	95.446	8.154,924	119.347,030	14,635	14,167	94	84	2.405	12,551	31,856	2,538	2,071
45	35	95.145	7.687,218	111.192,105	14,465	13,997	95	85	1.623	8,013	19,305	2,409	1,942
46	36	94.804	7.243,159	103.504,887	14,290	13,822	96	86	1.061	4,950	11,292	2,281	1,814
47	37	94.428	6.822,215	96.261,728	14,110	13,642	97	87	664	2,932	6,342	2,163	1,696
48	38	94.017	6.423,146	89.439,513	13,925	13,457	98	88	397	1,656	3,411	2,060	1,592
49	39	93.568	6.044,869	83.016,367	13,733	13,266	99	89	227	0,894	1,755	1,963	1,495
							100	90	123	0,459	0,861	1,874	1,406

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 11 Jahre

Zinsfuß 5,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	39	93.148	5.690,532	77.220,562	13,570	13,102
1							51	40	92.612	5.350,168	71.530,030	13,370	12,902
2							52	41	92.052	5.028,671	66.179,862	13,161	12,693
3							53	42	91.422	4.722,682	61.151,192	12,948	12,481
4							54	43	90.745	4.432,832	56.428,509	12,730	12,262
5							55	44	90.012	4.157,936	51.995,678	12,505	12,038
6							56	45	89.213	3.896,991	47.837,742	12,276	11,808
7							57	46	88.374	3.650,440	43.940,751	12,037	11,570
8							58	47	87.452	3.415,937	40.290,311	11,795	11,327
9							59	48	86.451	3.193,195	36.874,374	11,548	11,080
10							60	49	85.360	2.981,497	33.681,179	11,297	10,829
11	0	99.384	53.731,964	942.415,350	17,539	17,072	61	50	84.196	2.780,931	30.699,682	11,039	10,572
12	1	98.992	50.610,131	888.683,386	17,559	17,092	62	51	82.975	2.591,572	27.918,751	10,773	10,305
13	2	98.944	47.834,893	838.073,254	17,520	17,053	63	52	81.630	2.410,935	25.327,179	10,505	10,038
14	3	98.912	45.219,134	790.238,361	17,476	17,008	64	53	80.207	2.240,105	22.916,244	10,230	9,762
15	4	98.876	42.745,183	745.019,228	17,429	16,962	65	54	78.692	2.078,289	20.676,139	9,949	9,481
16	5	98.840	40.406,223	702.274,045	17,380	16,913	66	55	77.045	1.924,151	18.597,850	9,665	9,198
17	6	98.790	38.189,566	661.867,822	17,331	16,864	67	56	75.285	1.777,954	16.673,700	9,378	8,910
18	7	98.730	36.091,435	623.678,255	17,281	16,813	68	57	73.376	1.638,661	14.895,746	9,090	8,623
19	8	98.647	34.100,160	587.586,820	17,231	16,764	69	58	71.322	1.506,178	13.257,085	8,802	8,334
20	9	98.558	32.216,950	553.486,661	17,180	16,712	70	59	69.151	1.380,922	11.750,907	8,509	8,042
21	10	98.477	30.440,072	521.269,711	17,124	16,657	71	60	66.837	1.262,147	10.369,985	8,216	7,749
22	11	98.391	28.759,949	490.829,639	17,066	16,601	72	61	64.376	1.149,572	9.107,838	7,923	7,455
23	12	98.308	27.173,116	462.069,689	17,005	16,537	73	62	61.760	1.042,894	7.958,266	7,631	7,163
24	13	98.227	25.674,392	434.896,573	16,939	16,471	74	63	58.991	941,974	6.915,372	7,341	6,874
25	14	98.146	24.258,418	409.222,181	16,869	16,402	75	64	56.102	847,136	5.973,399	7,051	6,584
26	15	98.063	22.919,952	384.963,763	16,796	16,328	76	65	53.117	758,449	5.126,262	6,759	6,291
27	16	97.975	21.654,344	362.043,811	16,719	16,252	77	66	50.055	675,865	4.367,813	6,463	5,995
28	17	97.884	20.457,943	340.389,468	16,638	16,171	78	67	46.887	598,662	3.691,948	6,167	5,699
29	18	97.791	19.327,100	319.931,524	16,554	16,086	79	68	43.593	526,341	3.093,286	5,877	5,409
30	19	97.694	18.258,110	300.604,425	16,464	15,997	80	69	40.225	459,263	2.566,945	5,589	5,122
31	20	97.595	17.247,957	282.346,314	16,370	15,902	81	70	36.760	396,887	2.107,682	5,311	4,843
32	21	97.488	16.292,097	265.098,357	16,272	15,804	82	71	33.262	339,596	1.710,795	5,038	4,570
33	22	97.384	15.389,851	248.806,260	16,167	15,699	83	72	29.652	286,271	1.371,199	4,790	4,322
34	23	97.272	14.536,347	233.416,410	16,057	15,590	84	73	26.150	238,738	1.084,929	4,544	4,077
35	24	97.154	13.729,243	218.880,062	15,943	15,475	85	74	22.793	196,772	846,191	4,300	3,833
36	25	97.026	12.965,626	205.150,819	15,823	15,355	86	75	19.686	160,707	649,419	4,041	3,573
37	26	96.892	12.243,786	192.185,192	15,697	15,229	87	76	16.635	128,420	488,712	3,806	3,338
38	27	96.748	11.560,823	179.941,407	15,565	15,097	88	77	13.728	100,213	360,292	3,595	3,128
39	28	96.587	10.913,974	168.380,584	15,428	14,960	89	78	11.083	76,508	260,079	3,399	2,932
40	29	96.409	10.301,577	157.466,610	15,286	14,818	90	79	8.753	57,141	183,571	3,213	2,745
41	30	96.215	9.721,821	147.165,033	15,138	14,670	91	80	6.758	41,719	126,430	3,031	2,563
42	31	96.001	9.172,743	137.443,211	14,984	14,516	92	81	5.062	29,546	84,711	2,867	2,400
43	32	95.755	8.651,766	128.270,468	14,826	14,358	93	82	3.681	20,316	55,165	2,715	2,248
44	33	95.484	8.158,184	119.618,702	14,662	14,195	94	83	2.590	13,520	34,849	2,578	2,110
45	34	95.190	7.690,824	111.460,518	14,493	14,025	95	84	1.765	8,713	21,329	2,448	1,980
46	35	94.852	7.246,869	103.769,694	14,319	13,852	96	85	1.161	5,421	12,617	2,327	1,860
47	36	94.482	6.826,075	96.522,825	14,140	13,673	97	86	739	3,260	7,196	2,207	1,740
48	37	94.075	6.427,087	89.696,750	13,956	13,488	98	87	450	1,877	3,935	2,097	1,629
49	38	93.633	6.049,101	83.269,663	13,766	13,298	99	88	261	1,030	2,058	1,999	1,532
							100	89	144	0,539	1,029	1,908	1,440

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 12 Jahre

Zinsfuß 5,75%

Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	38	93.213	5.694,516	77.448,510	13,601	13,133
1							51	39	92.686	5.354,453	71.753,995	13,401	12,933
2							52	40	92.132	5.033,049	66.399,542	13,193	12,725
3							53	41	91.512	4.727,355	61.366,493	12,981	12,514
4							54	42	90.847	4.437,823	56.639,138	12,763	12,295
5							55	43	90.129	4.163,340	52.201,315	12,538	12,071
6							56	44	89.338	3.902,423	48.037,975	12,310	11,842
7							57	45	88.515	3.656,238	44.135,552	12,071	11,604
8							58	46	87.610	3.422,083	40.479,313	11,829	11,361
9							59	47	86.619	3.199,417	37.057,230	11,582	11,115
10							60	48	85.542	2.987,831	33.857,813	11,332	10,864
11							61	49	84.399	2.787,641	30.869,982	11,074	10,606
12	0	99.370	50.803,027	889.255,487	17,504	17,036	62	50	83.185	2.598,136	28.082,342	10,809	10,341
13	1	98.980	47.852,030	838.452,460	17,522	17,054	63	51	81.857	2.417,649	25.484,206	10,541	10,073
14	2	98.931	45.228,076	790.600,430	17,480	17,013	64	52	80.450	2.246,898	23.066,557	10,266	9,798
15	3	98.893	42.752,521	745.372,354	17,435	16,967	65	53	78.941	2.084,872	20.819,659	9,986	9,518
16	4	98.853	40.411,442	702.619,832	17,387	16,919	66	54	77.314	1.930,867	18.734,787	9,703	9,235
17	5	98.802	38.194,559	662.208,390	17,338	16,870	67	55	75.571	1.784,712	16.803,920	9,415	8,948
18	6	98.740	36.094,761	624.013,831	17,288	16,821	68	56	73.672	1.645,267	15.019,208	9,129	8,661
19	7	98.656	34.103,130	587.919,070	17,239	16,772	69	57	71.642	1.512,930	13.373,941	8,840	8,372
20	8	98.567	32.220,043	553.815,940	17,189	16,721	70	58	69.485	1.387,604	11.861,011	8,548	8,080
21	9	98.483	30.442,039	521.595,898	17,134	16,666	71	59	67.178	1.268,596	10.473,407	8,256	7,788
22	10	98.400	28.762,368	491.153,858	17,076	16,609	72	60	64.732	1.155,935	9.204,811	7,963	7,496
23	11	98.317	27.175,665	462.391,490	17,015	16,547	73	61	62.110	1.048,796	8.048,876	7,674	7,207
24	12	98.235	25.676,572	435.215,825	16,950	16,482	74	62	59.365	947,939	7.000,081	7,385	6,917
25	13	98.155	24.260,769	409.539,253	16,881	16,413	75	63	56.487	852,938	6.052,142	7,096	6,628
26	14	98.074	22.922,623	385.278,484	16,808	16,340	76	64	53.508	764,036	5.199,204	6,805	6,337
27	15	97.992	21.658,213	362.355,861	16,731	16,263	77	65	50.467	681,431	4.435,168	6,509	6,041
28	16	97.905	20.462,277	340.697,648	16,650	16,182	78	66	47.315	604,133	3.753,737	6,213	5,746
29	17	97.812	19.331,353	320.235,371	16,566	16,098	79	67	44.041	531,746	3.149,603	5,923	5,456
30	18	97.722	18.263,363	300.904,018	16,476	16,008	80	68	40.690	464,577	2.617,857	5,635	5,167
31	19	97.622	17.252,739	282.640,655	16,382	15,915	81	69	37.235	402,016	2.153,280	5,356	4,889
32	20	97.518	16.297,245	265.387,916	16,284	15,817	82	70	33.742	344,492	1.751,265	5,084	4,616
33	21	97.408	15.393,617	249.090,671	16,181	15,714	83	71	30.140	290,988	1.406,773	4,834	4,367
34	22	97.298	14.540,284	233.697,054	16,072	15,605	84	72	26.630	243,121	1.115,785	4,589	4,122
35	23	97.179	13.732,826	219.156,770	15,959	15,491	85	73	23.267	200,864	872,663	4,345	3,877
36	24	97.052	12.969,150	205.423,944	15,839	15,372	86	74	20.144	164,450	671,799	4,085	3,618
37	25	96.916	12.246,799	192.454,794	15,715	15,247	87	75	17.078	131,838	507,349	3,848	3,381
38	26	96.775	11.564,060	180.207,995	15,583	15,116	88	76	14.137	103,201	375,511	3,639	3,171
39	27	96.615	10.917,156	168.643,935	15,448	14,980	89	77	11.456	79,081	272,310	3,443	2,976
40	28	96.438	10.304,636	157.726,779	15,306	14,839	90	78	9.090	59,340	193,229	3,256	2,789
41	29	96.243	9.724,668	147.422,143	15,160	14,692	91	79	7.055	43,551	133,889	3,074	2,607
42	30	96.032	9.175,747	137.697,475	15,007	14,539	92	80	5.321	31,059	90,339	2,909	2,441
43	31	95.789	8.654,858	128.521,728	14,850	14,382	93	81	3.898	21,516	59,280	2,755	2,288
44	32	95.518	8.161,086	119.866,870	14,688	14,220	94	82	2.769	14,454	37,764	2,613	2,145
45	33	95.228	7.693,898	111.705,784	14,519	14,051	95	83	1.901	9,385	23,310	2,484	2,016
46	34	94.897	7.250,268	104.011,886	14,346	13,878	96	84	1.263	5,895	13,925	2,362	1,895
47	35	94.530	6.829,571	96.761,617	14,168	13,700	97	85	809	3,570	8,030	2,249	1,782
48	36	94.128	6.430,724	89.932,046	13,985	13,517	98	86	500	2,087	4,460	2,137	1,669
49	37	93.691	6.052,812	83.501,323	13,795	13,328	99	87	296	1,167	2,373	2,033	1,565
							100	88	166	0,621	1,205	1,942	1,474

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 13 Jahre

Zinsfuß 5,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	37	93.270	5.698,010	77.656,954	13,629	13,161
1							51	38	92.751	5.358,201	71.958,944	13,430	12,962
2							52	39	92.206	5.037,080	66.600,744	13,222	12,755
3							53	40	91.592	4.731,472	61.563,663	13,012	12,544
4							54	41	90.937	4.442,214	56.832,192	12,794	12,326
5							55	42	90.230	4.168,028	52.389,978	12,569	12,102
6							56	43	89.454	3.907,495	48.221,950	12,341	11,873
7							57	44	88.638	3.661,335	44.314,455	12,103	11,636
8							58	45	87.749	3.427,519	40.653,120	11,861	11,393
9							59	46	86.775	3.205,173	37.225,601	11,614	11,147
10							60	47	85.709	2.993,652	34.020,427	11,364	10,897
11							61	48	84.579	2.793,563	31.026,775	11,107	10,639
12							62	49	83.386	2.604,404	28.233,212	10,841	10,373
13	0	99.357	48.034,414	838.982,661	17,466	16,999	63	50	82.065	2.423,773	25.628,808	10,574	10,106
14	1	98.967	45.244,280	790.948,247	17,482	17,014	64	51	80.674	2.253,155	23.205,035	10,299	9,831
15	2	98.913	42.760,976	745.703,967	17,439	16,971	65	52	79.181	2.091,194	20.951,880	10,019	9,552
16	3	98.870	40.418,380	702.942,992	17,392	16,924	66	53	77.559	1.936,983	18.860,686	9,737	9,270
17	4	98.815	38.199,493	662.524,612	17,344	16,876	67	54	75.834	1.790,941	16.923,703	9,450	8,982
18	5	98.752	36.099,480	624.325,119	17,295	16,827	68	55	73.952	1.651,521	15.132,762	9,163	8,695
19	6	98.665	34.106,272	588.225,639	17,247	16,779	69	56	71.930	1.519,029	13.481,241	8,875	8,407
20	7	98.576	32.222,849	554.119,366	17,196	16,729	70	57	69.797	1.393,825	11.962,212	8,582	8,115
21	8	98.493	30.444,962	521.896,518	17,142	16,675	71	58	67.504	1.274,735	10.568,387	8,291	7,823
22	9	98.406	28.764,227	491.451,556	17,086	16,618	72	59	65.063	1.161,841	9.293,653	7,999	7,531
23	10	98.325	27.177,950	462.687,329	17,024	16,557	73	60	62.453	1.054,600	8.131,811	7,711	7,243
24	11	98.244	25.678,981	435.509,379	16,960	16,492	74	61	59.701	953,304	7.077,211	7,424	6,956
25	12	98.164	24.262,829	409.830,398	16,891	16,424	75	62	56.844	858,339	6.123,907	7,135	6,667
26	13	98.084	22.924,844	385.567,569	16,819	16,351	76	63	53.875	769,269	5.265,568	6,845	6,377
27	14	98.004	21.660,737	362.642,724	16,742	16,274	77	64	50.839	686,451	4.496,299	6,550	6,082
28	15	97.922	20.465,933	340.981,987	16,661	16,193	78	65	47.705	609,108	3.809,849	6,255	5,787
29	16	97.833	19.335,448	320.516,054	16,577	16,109	79	66	44.443	536,606	3.200,740	5,965	5,497
30	17	97.743	18.267,382	301.180,606	16,487	16,020	80	67	41.108	469,348	2.664,135	5,676	5,209
31	18	97.651	17.257,702	282.913,224	16,393	15,926	81	68	37.666	406,667	2.194,787	5,397	4,929
32	19	97.545	16.301,764	265.655,522	16,296	15,829	82	69	34.178	348,944	1.788,120	5,124	4,657
33	20	97.438	15.398,481	249.353,758	16,193	15,726	83	70	30.575	295,184	1.439,176	4,876	4,408
34	21	97.322	14.543,843	233.955,277	16,086	15,619	84	71	27.069	247,128	1.143,992	4,629	4,162
35	22	97.205	13.736,545	219.411,435	15,973	15,505	85	72	23.694	204,552	896,864	4,385	3,917
36	23	97.077	12.972,534	205.674,889	15,855	15,387	86	73	20.563	167,870	692,312	4,124	3,657
37	24	96.943	12.250,127	192.702,355	15,731	15,263	87	74	17.476	134,909	524,442	3,887	3,420
38	25	96.799	11.566,906	180.452,228	15,601	15,133	88	75	14.513	105,948	389,533	3,677	3,209
39	26	96.642	10.920,213	168.885,321	15,465	14,998	89	76	11.797	81,438	283,586	3,482	3,015
40	27	96.466	10.307,640	157.965,108	15,325	14,857	90	77	9.396	61,335	202,147	3,296	2,828
41	28	96.272	9.727,555	147.657,468	15,179	14,712	91	78	7.327	45,227	140,812	3,113	2,646
42	29	96.060	9.178,434	137.929,913	15,028	14,560	92	79	5.555	32,423	95,585	2,948	2,480
43	30	95.820	8.657,693	128.751,479	14,871	14,404	93	80	4.098	22,618	63,162	2,793	2,325
44	31	95.552	8.164,002	120.093,787	14,710	14,243	94	81	2.933	15,307	40,545	2,649	2,181
45	32	95.262	7.696,635	111.929,784	14,543	14,075	95	82	2.033	10,034	25,238	2,515	2,048
46	33	94.935	7.253,166	104.233,149	14,371	13,903	96	83	1.360	6,350	15,204	2,394	1,927
47	34	94.575	6.832,774	96.979,983	14,193	13,726	97	84	880	3,882	8,854	2,281	1,813
48	35	94.176	6.434,018	90.147,209	14,011	13,543	98	85	548	2,286	4,972	2,175	1,707
49	36	93.744	6.056,237	83.713,191	13,823	13,355	99	86	329	1,298	2,686	2,069	1,602
							100	87	189	0,704	1,388	1,972	1,505

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 14 Jahre

Zinsfuß 5,75%

Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	36	93.323	5.701,234	77.847,568	13,655	13,187
1							51	37	92.808	5.361,489	72.146,334	13,456	12,989
2							52	38	92.270	5.040,606	66.784,846	13,249	12,782
3							53	39	91.665	4.735,261	61.744,240	13,039	12,572
4							54	40	91.016	4.446,082	57.008,979	12,822	12,355
5							55	41	90.319	4.172,152	52.562,897	12,599	12,131
6							56	42	89.555	3.911,895	48.390,745	12,370	11,903
7							57	43	88.753	3.666,094	44.478,850	12,132	11,665
8							58	44	87.871	3.432,297	40.812,757	11,891	11,423
9							59	45	86.913	3.210,265	37.380,459	11,644	11,176
10							60	46	85.863	2.999,038	34.170,195	11,394	10,926
11							61	47	84.744	2.799,006	31.171,156	11,137	10,669
12							62	48	83.563	2.609,937	28.372,150	10,871	10,403
13							63	49	82.263	2.429,620	25.762,213	10,603	10,136
14	0	99.344	45.416,724	791.439,721	17,426	16,959	64	50	80.879	2.258,863	23.332,593	10,329	9,862
15	1	98.948	42.776,296	746.022,997	17,440	16,973	65	51	79.401	2.097,018	21.073,730	10,049	9,582
16	2	98.890	40.426,373	703.246,701	17,396	16,928	66	52	77.794	1.942,857	18.976,712	9,767	9,300
17	3	98.832	38.206,051	662.820,329	17,349	16,881	67	53	76.075	1.796,614	17.033,856	9,481	9,014
18	4	98.765	36.104,143	624.614,278	17,300	16,833	68	54	74.210	1.657,285	15.237,241	9,194	8,727
19	5	98.678	34.110,731	588.510,135	17,253	16,785	69	55	72.204	1.524,803	13.579,956	8,906	8,438
20	6	98.585	32.225,818	554.399,403	17,204	16,736	70	56	70.078	1.399,443	12.055,153	8,614	8,147
21	7	98.501	30.447,613	522.173,585	17,150	16,682	71	57	67.806	1.280,449	10.655,710	8,322	7,854
22	8	98.415	28.766,988	491.725,972	17,093	16,626	72	58	65.378	1.167,463	9.375,261	8,030	7,563
23	9	98.332	27.179,707	462.958,983	17,033	16,566	73	59	62.772	1.059,989	8.207,797	7,743	7,276
24	10	98.252	25.681,140	435.779,277	16,969	16,501	74	60	60.031	958,580	7.147,808	7,457	6,989
25	11	98.173	24.265,105	410.098,137	16,901	16,433	75	61	57.166	863,197	6.189,228	7,170	6,703
26	12	98.092	22.926,791	385.833,032	16,829	16,361	76	62	54.216	774,140	5.326,032	6,880	6,412
27	13	98.013	21.662,836	362.906,240	16,752	16,285	77	63	51.187	691,152	4.551,891	6,586	6,118
28	14	97.934	20.468,318	341.243,404	16,672	16,204	78	64	48.056	613,595	3.860,739	6,292	5,824
29	15	97.850	19.338,903	320.775,086	16,587	16,119	79	65	44.809	541,025	3.247,144	6,002	5,534
30	16	97.764	18.271,251	301.436,183	16,498	16,030	80	66	41.484	473,637	2.706,119	5,713	5,246
31	17	97.672	17.261,500	283.164,931	16,404	15,937	81	67	38.053	410,843	2.232,482	5,434	4,966
32	18	97.573	16.306,453	265.903,431	16,307	15,839	82	68	34.573	352,981	1.821,639	5,161	4,693
33	19	97.465	15.402,750	249.596,978	16,205	15,737	83	69	30.970	298,998	1.468,658	4,912	4,444
34	20	97.353	14.548,438	234.194,227	16,098	15,630	84	70	27.459	250,691	1.169,659	4,666	4,198
35	21	97.229	13.739,907	219.645,789	15,986	15,518	85	71	24.084	207,923	918,968	4,420	3,952
36	22	97.104	12.976,048	205.905,882	15,868	15,401	86	72	20.940	170,952	711,045	4,159	3,692
37	23	96.968	12.253,324	192.929,835	15,745	15,278	87	73	17.839	137,714	540,093	3,922	3,454
38	24	96.825	11.570,050	180.676,510	15,616	15,148	88	74	14.851	108,415	402,379	3,711	3,244
39	25	96.666	10.922,901	169.106,461	15,482	15,014	89	75	12.111	83,606	293,963	3,516	3,048
40	26	96.493	10.310,527	158.183,560	15,342	14,874	90	76	9.676	63,164	210,357	3,330	2,863
41	27	96.300	9.730,391	147.873,034	15,197	14,729	91	77	7.573	46,748	147,194	3,149	2,681
42	28	96.089	9.181,159	138.142,643	15,046	14,579	92	78	5.768	33,671	100,446	2,983	2,516
43	29	95.849	8.660,228	128.961,483	14,891	14,424	93	79	4.277	23,611	66,775	2,828	2,361
44	30	95.583	8.166,676	120.301,256	14,731	14,263	94	80	3.083	16,091	43,164	2,683	2,215
45	31	95.296	7.699,385	112.134,580	14,564	14,097	95	81	2.153	10,626	27,073	2,548	2,080
46	32	94.968	7.255,746	104.435,194	14,393	13,926	96	82	1.454	6,788	16,447	2,423	1,955
47	33	94.612	6.835,506	97.179,448	14,217	13,749	97	83	947	4,182	9,659	2,310	1,842
48	34	94.220	6.437,035	90.343,942	14,035	13,567	98	84	596	2,486	5,477	2,203	1,736
49	35	93.792	6.059,339	83.906,907	13,848	13,380	99	85	360	1,421	2,991	2,105	1,637
							100	86	210	0,783	1,570	2,006	1,538

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 15 Jahre

Zinsfuß 5,75%

Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	35	93.371	5.704,154	78.021,835	13,678	13,210
1							51	36	92.860	5.364,522	72.317,681	13,481	13,013
2							52	37	92.327	5.043,699	66.953,159	13,275	12,807
3							53	38	91.729	4.738,576	61.909,460	13,065	12,597
4							54	39	91.089	4.449,643	57.170,885	12,848	12,381
5							55	40	90.398	4.175,785	52.721,242	12,625	12,158
6							56	41	89.643	3.915,765	48.545,457	12,397	11,930
7							57	42	88.853	3.670,222	44.629,692	12,160	11,692
8							58	43	87.985	3.436,758	40.959,470	11,918	11,450
9							59	44	87.034	3.214,740	37.522,712	11,672	11,205
10							60	45	85.999	3.003,802	34.307,972	11,422	10,954
11							61	46	84.896	2.804,042	31.304,170	11,164	10,696
12							62	47	83.726	2.615,023	28.500,128	10,899	10,431
13							63	48	82.437	2.434,782	25.885,106	10,631	10,164
14							64	49	81.074	2.264,312	23.450,324	10,356	9,889
15	0	99.326	42.939,334	746.478,667	17,384	16,917	65	50	79.602	2.102,330	21.186,011	10,077	9,610
16	1	98.925	40.440,856	703.539,334	17,397	16,929	66	51	78.011	1.948,267	19.083,682	9,795	9,328
17	2	98.852	38.213,606	663.098,477	17,352	16,885	67	52	76.305	1.802,062	17.135,414	9,509	9,041
18	3	98.782	36.110,341	624.884,871	17,305	16,837	68	53	74.445	1.662,535	15.333,352	9,223	8,755
19	4	98.690	34.115,138	588.774,530	17,258	16,791	69	54	72.456	1.530,125	13.670,817	8,934	8,467
20	5	98.598	32.230,032	554.659,392	17,209	16,742	70	55	70.344	1.404,763	12.140,692	8,643	8,175
21	6	98.510	30.450,419	522.429,361	17,157	16,689	71	56	68.079	1.285,611	10.735,929	8,351	7,883
22	7	98.424	28.769,494	491.978,942	17,101	16,633	72	57	65.671	1.172,697	9.450,319	8,059	7,591
23	8	98.341	27.182,316	463.209,448	17,041	16,573	73	58	63.076	1.065,118	8.277,621	7,772	7,304
24	9	98.259	25.682,800	436.027,132	16,977	16,510	74	59	60.338	963,478	7.212,503	7,486	7,018
25	10	98.181	24.267,146	410.344,332	16,909	16,442	75	60	57.482	867,974	6.249,025	7,200	6,732
26	11	98.101	22.928,942	386.077,187	16,838	16,370	76	61	54.523	778,521	5.381,051	6,912	6,444
27	12	98.022	21.664,676	363.148,245	16,762	16,295	77	62	51.511	695,529	4.602,529	6,617	6,150
28	13	97.943	20.470,302	341.483,569	16,682	16,214	78	63	48.386	617,797	3.907,001	6,324	5,857
29	14	97.862	19.341,157	321.013,267	16,597	16,130	79	64	45.139	545,010	3.289,203	6,035	5,568
30	15	97.782	18.274,517	301.672,110	16,508	16,040	80	65	41.825	477,538	2.744,193	5,747	5,279
31	16	97.693	17.265,157	283.397,594	16,414	15,947	81	66	38.401	414,598	2.266,655	5,467	5,000
32	17	97.595	16.310,042	266.132,437	16,317	15,850	82	67	34.928	356,606	1.852,057	5,194	4,726
33	18	97.493	15.407,181	249.822,395	16,215	15,747	83	68	31.328	302,458	1.495,451	4,944	4,477
34	19	97.380	14.552,472	234.415,214	16,108	15,641	84	69	27.814	253,931	1.192,994	4,698	4,231
35	20	97.260	13.744,248	219.862,742	15,997	15,529	85	70	24.432	210,921	939,063	4,452	3,985
36	21	97.128	12.979,223	206.118,494	15,881	15,413	86	71	21.286	173,769	728,142	4,190	3,723
37	22	96.994	12.256,643	193.139,271	15,758	15,290	87	72	18.167	140,243	554,373	3,953	3,485
38	23	96.851	11.573,069	180.882,628	15,630	15,162	88	73	15.160	110,670	414,130	3,742	3,274
39	24	96.692	10.925,869	169.309,559	15,496	15,029	89	74	12.393	85,553	303,460	3,547	3,079
40	25	96.517	10.313,064	158.383,690	15,358	14,890	90	75	9.934	64,845	217,907	3,360	2,893
41	26	96.327	9.733,116	148.070,626	15,213	14,745	91	76	7.799	48,141	153,061	3,179	2,712
42	27	96.117	9.183,836	138.337,510	15,063	14,596	92	77	5.962	34,803	104,920	3,015	2,547
43	28	95.877	8.662,799	129.153,674	14,909	14,441	93	78	4.442	24,520	70,117	2,860	2,392
44	29	95.611	8.169,068	120.490,875	14,750	14,282	94	79	3.218	16,797	45,597	2,715	2,247
45	30	95.327	7.701,907	112.321,808	14,584	14,116	95	80	2.263	11,170	28,800	2,578	2,111
46	31	95.002	7.258,339	104.619,901	14,414	13,946	96	81	1.540	7,189	17,630	2,452	1,985
47	32	94.646	6.837,937	97.361,562	14,238	13,771	97	82	1.013	4,471	10,441	2,335	1,868
48	33	94.258	6.439,609	90.523,625	14,057	13,590	98	83	642	2,678	5,970	2,230	1,762
49	34	93.836	6.062,181	84.084,016	13,870	13,403	99	84	392	1,546	3,292	2,130	1,663
							100	85	230	0,857	1,747	2,038	1,570

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 16 Jahre

Zinsfuß 5,75%

Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	34	93.414	5.706,829	78.181,152	13,700	13,232
1							51	35	92.908	5.367,270	72.474,322	13,503	13,035
2							52	36	92.379	5.046,553	67.107,053	13,298	12,830
3							53	37	91.786	4.741,483	62.060,500	13,089	12,621
4							54	38	91.153	4.452,757	57.319,017	12,873	12,405
5							55	39	90.470	4.179,129	52.866,259	12,650	12,182
6							56	40	89.721	3.919,175	48.687,130	12,423	11,955
7							57	41	88.941	3.673,853	44.767,955	12,186	11,718
8							58	42	88.085	3.440,628	41.094,102	11,944	11,476
9							59	43	87.147	3.218,918	37.653,474	11,698	11,230
10							60	44	86.119	3.007,990	34.434,556	11,448	10,980
11							61	45	85.031	2.808,496	31.426,567	11,190	10,722
12							62	46	83.876	2.619,728	28.618,071	10,924	10,456
13							63	47	82.598	2.439,526	25.998,343	10,657	10,190
14							64	48	81.246	2.269,123	23.558,817	10,382	9,915
15							65	49	79.794	2.107,402	21.289,694	10,102	9,635
16	0	99.302	40.594,993	703.961,899	17,341	16,874	66	50	78.208	1.953,202	19.182,293	9,821	9,353
17	1	98.887	38.227,297	663.366,906	17,353	16,886	67	51	76.518	1.807,081	17.229,090	9,534	9,067
18	2	98.802	36.117,482	625.139,609	17,309	16,841	68	52	74.671	1.667,576	15.422,009	9,248	8,781
19	3	98.707	34.120,994	589.022,127	17,263	16,795	69	53	72.685	1.534,972	13.754,433	8,961	8,493
20	4	98.611	32.234,195	554.901,133	17,215	16,747	70	54	70.590	1.409,666	12.219,461	8,668	8,201
21	5	98.523	30.454,400	522.666,938	17,162	16,695	71	55	68.338	1.290,498	10.809,795	8,376	7,909
22	6	98.433	28.772,145	492.212,538	17,107	16,640	72	56	65.936	1.177,424	9.519,298	8,085	7,617
23	7	98.350	27.184,683	463.440,393	17,048	16,580	73	57	63.359	1.069,893	8.341,873	7,797	7,329
24	8	98.268	25.685,265	436.255,709	16,985	16,517	74	58	60.630	968,140	7.271,980	7,511	7,044
25	9	98.187	24.268,714	410.570,444	16,918	16,450	75	59	57.776	872,409	6.303,840	7,226	6,758
26	10	98.109	22.930,870	386.301,730	16,846	16,379	76	60	54.825	782,830	5.431,431	6,938	6,471
27	11	98.031	21.666,708	363.370,860	16,771	16,303	77	61	51.803	699,465	4.648,600	6,646	6,178
28	12	97.952	20.472,040	341.704,152	16,691	16,224	78	62	48.692	621,710	3.949,135	6,352	5,884
29	13	97.871	19.343,031	321.232,112	16,607	16,140	79	63	45.448	548,743	3.327,426	6,064	5,596
30	14	97.793	18.276,646	301.889,081	16,518	16,050	80	64	42.133	481,056	2.778,683	5,776	5,309
31	15	97.710	17.268,242	283.612,435	16,424	15,956	81	65	38.717	418,012	2.297,627	5,497	5,029
32	16	97.616	16.313,497	266.344,193	16,327	15,859	82	66	35.248	359,865	1.879,615	5,223	4,756
33	17	97.515	15.410,572	250.030,696	16,225	15,757	83	67	31.650	305,564	1.519,750	4,974	4,506
34	18	97.408	14.556,658	234.620,124	16,118	15,650	84	68	28.136	256,869	1.214,186	4,727	4,259
35	19	97.287	13.748,059	220.063,466	16,007	15,539	85	69	24.747	213,647	957,317	4,481	4,013
36	20	97.158	12.983,324	206.315,407	15,891	15,423	86	70	21.592	176,275	743,671	4,219	3,751
37	21	97.018	12.259,642	193.332,083	15,770	15,302	87	71	18.466	142,554	567,396	3,980	3,513
38	22	96.877	11.576,203	181.072,440	15,642	15,174	88	72	15.438	112,702	424,842	3,770	3,302
39	23	96.717	10.928,720	169.496,237	15,509	15,042	89	73	12.651	87,332	312,140	3,574	3,107
40	24	96.543	10.315,867	158.567,517	15,371	14,904	90	74	10.165	66,356	224,808	3,388	2,920
41	25	96.351	9.735,511	148.251,650	15,228	14,760	91	75	8.006	49,423	158,452	3,206	2,738
42	26	96.144	9.186,407	138.516,139	15,078	14,611	92	76	6.140	35,841	109,030	3,042	2,574
43	27	95.905	8.665,324	129.329,731	14,925	14,457	93	77	4.591	25,344	73,189	2,888	2,420
44	28	95.640	8.171,493	120.664,407	14,767	14,299	94	78	3.342	17,444	47,845	2,743	2,275
45	29	95.355	7.704,162	112.492,914	14,602	14,134	95	79	2.362	11,661	30,401	2,607	2,140
46	30	95.034	7.260,716	104.788,752	14,432	13,965	96	80	1.619	7,557	18,740	2,480	2,012
47	31	94.680	6.840,380	97.528,036	14,258	13,790	97	81	1.073	4,735	11,183	2,362	1,894
48	32	94.291	6.441,899	90.687,655	14,078	13,610	98	82	686	2,863	6,448	2,253	1,785
49	33	93.873	6.064,604	84.245,756	13,891	13,424	99	83	422	1,665	3,586	2,154	1,686
							100	84	250	0,932	1,921	2,061	1,593

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 17 Jahre

Zinsfuß 5,75%

Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	33	93.452	5.709,110	78.326,626	13,720	13,252
1							51	34	92.951	5.369,787	72.617,515	13,523	13,056
2							52	35	92.427	5.049,138	67.247,728	13,319	12,851
3							53	36	91.837	4.744,166	62.198,591	13,111	12,643
4							54	37	91.209	4.455,490	57.454,425	12,895	12,428
5							55	38	90.534	4.182,055	52.998,935	12,673	12,205
6							56	39	89.793	3.922,314	48.816,880	12,446	11,978
7							57	40	89.019	3.677,052	44.894,567	12,209	11,742
8							58	41	88.172	3.444,032	41.217,515	11,968	11,500
9							59	42	87.245	3.222,542	37.773,482	11,722	11,254
10							60	43	86.231	3.011,899	34.550,940	11,471	11,004
11							61	44	85.149	2.812,411	31.539,041	11,214	10,747
12							62	45	84.010	2.623,889	28.726,630	10,948	10,481
13							63	46	82.747	2.443,915	26.102,741	10,681	10,213
14							64	47	81.404	2.273,544	23.658,826	10,406	9,939
15							65	48	79.964	2.111,879	21.385,282	10,126	9,659
16							66	49	78.397	1.957,915	19.273,403	9,844	9,376
17	0	99.264	38.372,997	663.758,844	17,298	16,830	67	50	76.712	1.811,658	17.315,489	9,558	9,090
18	1	98.837	36.130,422	625.385,847	17,309	16,842	68	51	74.879	1.672,220	15.503,830	9,271	8,804
19	2	98.727	34.127,742	589.255,425	17,266	16,799	69	52	72.906	1.539,626	13.831,610	8,984	8,516
20	3	98.628	32.239,729	555.127,683	17,219	16,751	70	53	70.813	1.414,131	12.291,983	8,692	8,225
21	4	98.536	30.458,334	522.887,955	17,167	16,700	71	54	68.577	1.295,002	10.877,852	8,400	7,932
22	5	98.446	28.775,907	492.429,621	17,113	16,645	72	55	66.186	1.181,900	9.582,850	8,108	7,640
23	6	98.359	27.187,189	463.653,714	17,054	16,587	73	56	63.614	1.074,206	8.400,950	7,821	7,353
24	7	98.277	25.687,502	436.466,526	16,991	16,524	74	57	60.902	972,481	7.326,744	7,534	7,067
25	8	98.197	24.271,044	410.779,023	16,925	16,457	75	58	58.056	876,631	6.354,264	7,249	6,781
26	9	98.116	22.932,352	386.507,980	16,854	16,387	76	59	55.105	786,830	5.477,633	6,962	6,494
27	10	98.039	21.668,530	363.575,628	16,779	16,311	77	60	52.090	703,336	4.690,803	6,669	6,202
28	11	97.961	20.473,960	341.907,098	16,700	16,232	78	61	48.967	625,228	3.987,467	6,378	5,910
29	12	97.880	19.344,674	321.433,137	16,616	16,149	79	62	45.736	552,218	3.362,238	6,089	5,621
30	13	97.802	18.278,417	302.088,463	16,527	16,059	80	63	42.422	484,350	2.810,021	5,802	5,334
31	14	97.722	17.270,254	283.810,046	16,433	15,966	81	64	39.002	421,091	2.325,671	5,523	5,055
32	15	97.633	16.316,412	266.539,792	16,336	15,868	82	65	35.538	362,829	1.904,579	5,249	4,782
33	16	97.536	15.413,836	250.223,380	16,234	15,766	83	66	31.939	308,357	1.541,751	5,000	4,532
34	17	97.429	14.559,862	234.809,544	16,127	15,660	84	67	28.425	259,507	1.233,394	4,753	4,285
35	18	97.315	13.752,014	220.249,682	16,016	15,548	85	68	25.034	216,118	973,887	4,506	4,039
36	19	97.185	12.986,924	206.497,668	15,900	15,433	86	69	21.872	178,553	757,769	4,244	3,776
37	20	97.049	12.263,516	193.510,744	15,779	15,312	87	70	18.732	144,609	579,216	4,005	3,538
38	21	96.901	11.579,036	181.247,228	15,653	15,185	88	71	15.693	114,559	434,607	3,794	3,326
39	22	96.743	10.931,680	169.668,192	15,521	15,053	89	72	12.883	88,936	320,048	3,599	3,131
40	23	96.568	10.318,559	158.736,512	15,384	14,916	90	73	10.376	67,735	231,112	3,412	2,944
41	24	96.377	9.738,157	148.417,952	15,241	14,773	91	74	8.193	50,574	163,376	3,230	2,763
42	25	96.168	9.188,669	138.679,795	15,092	14,625	92	75	6.303	36,795	112,803	3,066	2,598
43	26	95.932	8.667,751	129.491,127	14,939	14,472	93	76	4.728	26,100	76,008	2,912	2,445
44	27	95.668	8.173,875	120.823,376	14,782	14,314	94	77	3.454	18,031	49,908	2,768	2,300
45	28	95.383	7.706,449	112.649,501	14,618	14,150	95	78	2.453	12,110	31,878	2,632	2,165
46	29	95.061	7.262,842	104.943,052	14,449	13,982	96	79	1.690	7,889	19,768	2,506	2,038
47	30	94.711	6.842,621	97.680,209	14,275	13,808	97	80	1.128	4,977	11,879	2,387	1,919
48	31	94.325	6.444,201	90.837,589	14,096	13,628	98	81	726	3,032	6,902	2,277	1,809
49	32	93.906	6.066,762	84.393,387	13,911	13,443	99	82	451	1,780	3,870	2,174	1,707
							100	83	269	1,004	2,090	2,082	1,615

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 18 Jahre

Zinsfuß 5,75%

Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	32	93.485	5.711,141	78.459,393	13,738	13,270
1							51	33	92.989	5.371,934	72.748,251	13,542	13,075
2							52	34	92.470	5.051,506	67.376,318	13,338	12,870
3							53	35	91.884	4.746,596	62.324,812	13,130	12,663
4							54	36	91.260	4.458,010	57.578,216	12,916	12,448
5							55	37	90.589	4.184,621	53.120,205	12,694	12,227
6							56	38	89.856	3.925,059	48.935,585	12,467	12,000
7							57	39	89.090	3.679,997	45.010,525	12,231	11,764
8							58	40	88.248	3.447,031	41.330,528	11,990	11,523
9							59	41	87.331	3.225,731	37.883,497	11,744	11,277
10							60	42	86.328	3.015,290	34.657,766	11,494	11,026
11							61	43	85.260	2.816,066	31.642,476	11,236	10,769
12							62	44	84.127	2.627,547	28.826,410	10,971	10,503
13							63	45	82.878	2.447,797	26.198,863	10,703	10,235
14							64	46	81.551	2.277,634	23.751,066	10,428	9,960
15							65	47	80.120	2.115,994	21.473,431	10,148	9,681
16							66	48	78.563	1.962,074	19.357,438	9,866	9,398
17							67	49	76.897	1.816,029	17.395,364	9,579	9,111
18	0	99.214	36.268,130	625.749,447	17,253	16,786	68	50	75.069	1.676,456	15.579,335	9,293	8,825
19	1	98.762	34.139,969	589.481,317	17,267	16,799	69	51	73.109	1.543,914	13.902,878	9,005	8,537
20	2	98.647	32.246,104	555.341,348	17,222	16,754	70	52	71.028	1.418,419	12.358,964	8,713	8,246
21	3	98.553	30.463,563	523.095,244	17,171	16,704	71	53	68.794	1.299,104	10.940,545	8,422	7,954
22	4	98.459	28.779,624	492.631,681	17,117	16,650	72	54	66.417	1.186,025	9.641,441	8,129	7,662
23	5	98.372	27.190,743	463.852,057	17,059	16,592	73	55	63.856	1.078,289	8.455,416	7,842	7,374
24	6	98.286	25.689,870	436.661,314	16,997	16,530	74	56	61.147	976,401	7.377,126	7,555	7,088
25	7	98.205	24.273,157	410.971,445	16,931	16,464	75	57	58.316	880,561	6.400,726	7,269	6,801
26	8	98.125	22.934,553	386.698,287	16,861	16,393	76	58	55.371	790,638	5.520,165	6,982	6,514
27	9	98.046	21.669,930	363.763,734	16,787	16,319	77	59	52.356	706,930	4.729,527	6,690	6,223
28	10	97.969	20.475,682	342.093,803	16,707	16,240	78	60	49.239	628,689	4.022,597	6,398	5,931
29	11	97.889	19.346,488	321.618,121	16,624	16,157	79	61	45.995	555,343	3.393,908	6,111	5,644
30	12	97.811	18.279,970	302.271,633	16,536	16,068	80	62	42.690	487,417	2.838,566	5,824	5,356
31	13	97.731	17.271,928	283.991,663	16,442	15,975	81	63	39.269	423,975	2.351,148	5,545	5,078
32	14	97.644	16.318,313	266.719,735	16,345	15,877	82	64	35.800	365,501	1.927,173	5,273	4,805
33	15	97.553	15.416,591	250.401,422	16,242	15,775	83	65	32.202	310,896	1.561,672	5,023	4,556
34	16	97.450	14.562,946	234.984,831	16,136	15,668	84	66	28.685	261,878	1.250,776	4,776	4,309
35	17	97.336	13.755,041	220.421,886	16,025	15,557	85	67	25.291	218,338	988,898	4,529	4,062
36	18	97.213	12.990,660	206.666,845	15,909	15,441	86	68	22.125	180,619	770,560	4,266	3,799
37	19	97.075	12.266,916	193.676,185	15,788	15,321	87	69	18.974	146,478	589,941	4,027	3,560
38	20	96.931	11.582,695	181.409,268	15,662	15,195	88	70	15.919	116,211	443,463	3,816	3,348
39	21	96.767	10.934,355	169.826,574	15,531	15,064	89	71	13.096	90,401	327,252	3,620	3,152
40	22	96.594	10.321,353	158.892,218	15,395	14,927	90	72	10.567	68,979	236,851	3,434	2,966
41	23	96.402	9.740,698	148.570,865	15,253	14,785	91	73	8.363	51,625	167,872	3,252	2,784
42	24	96.194	9.191,166	138.830,166	15,105	14,637	92	74	6.450	37,652	116,246	3,087	2,620
43	25	95.955	8.669,884	129.639,001	14,953	14,485	93	75	4.854	26,794	78,594	2,933	2,466
44	26	95.694	8.176,164	120.969,117	14,795	14,328	94	76	3.557	18,568	51,800	2,790	2,322
45	27	95.411	7.708,696	112.792,953	14,632	14,164	95	77	2.536	12,517	33,232	2,655	2,187
46	28	95.090	7.264,999	105.084,257	14,464	13,997	96	78	1.755	8,193	20,715	2,528	2,061
47	29	94.739	6.844,624	97.819,258	14,291	13,824	97	79	1.177	5,196	12,522	2,410	1,943
48	30	94.356	6.446,312	90.974,634	14,113	13,645	98	80	764	3,187	7,327	2,299	1,831
49	31	93.940	6.068,929	84.528,322	13,928	13,460	99	81	478	1,885	4,140	2,196	1,729
							100	82	288	1,073	2,255	2,101	1,633

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 19 Jahre

Zinsfuß 5,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	31	93.518	5.713,182	78.580,730	13,754	13,287
1							51	32	93.022	5.373,845	72.867,548	13,560	13,092
2							52	33	92.507	5.053,525	67.493,704	13,356	12,888
3							53	34	91.928	4.748,822	62.440,178	13,149	12,681
4							54	35	91.307	4.460,294	57.691,356	12,934	12,467
5							55	36	90.641	4.186,988	53.231,062	12,713	12,246
6							56	37	89.911	3.927,468	49.044,074	12,487	12,020
7							57	38	89.152	3.682,573	45.116,606	12,251	11,784
8							58	39	88.319	3.449,792	41.434,033	12,011	11,543
9							59	40	87.407	3.228,540	37.984,241	11,765	11,298
10							60	41	86.413	3.018,274	34.755,702	11,515	11,048
11							61	42	85.356	2.819,237	31.737,428	11,257	10,790
12							62	43	84.236	2.630,962	28.918,191	10,991	10,524
13							63	44	82.994	2.451,210	26.287,229	10,724	10,257
14							64	45	81.680	2.281,253	23.836,020	10,449	9,981
15							65	46	80.264	2.119,801	21.554,767	10,168	9,701
16							66	47	78.716	1.965,897	19.434,966	9,886	9,418
17							67	48	77.060	1.819,887	17.469,069	9,599	9,131
18							68	49	75.250	1.680,501	15.649,182	9,312	8,845
19	0	99.139	34.270,090	589.818,674	17,211	16,743	69	50	73.294	1.547,825	13.968,682	9,025	8,557
20	1	98.683	32.257,657	555.548,584	17,222	16,755	70	51	71.226	1.422,369	12.420,857	8,733	8,265
21	2	98.572	30.469,587	523.290,927	17,174	16,707	71	52	69.003	1.303,043	10.998,487	8,441	7,973
22	3	98.475	28.784,564	492.821,339	17,121	16,653	72	53	66.628	1.189,782	9.695,444	8,149	7,681
23	4	98.384	27.194,255	464.036,775	17,064	16,596	73	54	64.079	1.082,053	8.505,662	7,861	7,393
24	5	98.299	25.693,228	436.842,520	17,002	16,535	74	55	61.380	980,112	7.423,609	7,574	7,107
25	6	98.215	24.275,394	411.149,291	16,937	16,469	75	56	58.551	884,110	6.443,497	7,288	6,821
26	7	98.134	22.936,551	386.873,897	16,867	16,400	76	57	55.620	794,182	5.559,386	7,000	6,533
27	8	98.055	21.672,011	363.937,346	16,793	16,325	77	58	52.609	710,351	4.765,204	6,708	6,241
28	9	97.975	20.477,005	342.265,336	16,715	16,247	78	59	49.490	631,901	4.054,853	6,417	5,949
29	10	97.897	19.348,115	321.788,330	16,632	16,164	79	60	46.250	558,416	3.422,952	6,130	5,662
30	11	97.820	18.281,684	302.440,215	16,543	16,076	80	61	42.932	490,176	2.864,536	5,844	5,376
31	12	97.739	17.273,395	284.158,531	16,451	15,983	81	62	39.518	426,660	2.374,360	5,565	5,097
32	13	97.654	16.319,895	266.885,136	16,353	15,886	82	63	36.045	368,005	1.947,700	5,293	4,825
33	14	97.564	15.418,387	250.565,241	16,251	15,783	83	64	32.439	313,186	1.579,695	5,044	4,576
34	15	97.467	14.565,548	235.146,854	16,144	15,676	84	65	28.921	264,035	1.266,509	4,797	4,329
35	16	97.357	13.757,954	220.581,306	16,033	15,565	85	66	25.522	220,333	1.002,474	4,550	4,082
36	17	97.234	12.993,519	206.823,351	15,917	15,450	86	67	22.352	182,474	782,141	4,286	3,819
37	18	97.103	12.270,445	193.829,833	15,796	15,329	87	68	19.194	148,173	599,668	4,047	3,580
38	19	96.958	11.585,906	181.559,387	15,671	15,203	88	69	16.125	117,713	451,495	3,836	3,368
39	20	96.798	10.937,810	169.973,481	15,540	15,072	89	70	13.285	91,705	333,782	3,640	3,172
40	21	96.618	10.323,879	159.035,671	15,405	14,937	90	71	10.741	70,116	242,077	3,453	2,985
41	22	96.428	9.743,336	148.711,791	15,263	14,795	91	72	8.517	52,573	171,961	3,271	2,803
42	23	96.219	9.193,564	138.968,455	15,116	14,648	92	73	6.584	38,435	119,388	3,106	2,639
43	24	95.981	8.672,240	129.774,891	14,964	14,497	93	74	4.967	27,418	80,953	2,953	2,485
44	25	95.718	8.178,176	121.102,651	14,808	14,340	94	75	3.652	19,062	53,535	2,808	2,341
45	26	95.438	7.710,855	112.924,474	14,645	14,177	95	76	2.611	12,890	34,473	2,674	2,207
46	27	95.117	7.267,117	105.213,620	14,478	14,010	96	77	1.814	8,468	21,583	2,549	2,081
47	28	94.767	6.846,657	97.946,503	14,306	13,838	97	78	1.222	5,396	13,114	2,431	1,963
48	29	94.384	6.448,199	91.099,846	14,128	13,660	98	79	797	3,327	7,719	2,320	1,853
49	30	93.971	6.070,917	84.651,647	13,944	13,476	99	80	502	1,981	4,392	2,216	1,749
							100	81	305	1,137	2,410	2,121	1,653

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 20 Jahre

Zinsfuß 5,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	30	93.549	5.715,053	78.691,616	13,769	13,302
1							51	31	93.055	5.375,765	72.976,563	13,575	13,108
2							52	32	92.540	5.055,323	67.600,798	13,372	12,905
3							53	33	91.964	4.750,721	62.545,475	13,165	12,698
4							54	34	91.350	4.462,386	57.794,755	12,952	12,484
5							55	35	90.687	4.189,133	53.332,369	12,731	12,264
6							56	36	89.962	3.929,690	49.143,236	12,506	12,038
7							57	37	89.207	3.684,833	45.213,546	12,270	11,803
8							58	38	88.381	3.452,207	41.528,713	12,030	11,562
9							59	39	87.477	3.231,125	38.076,506	11,784	11,317
10							60	40	86.489	3.020,902	34.845,381	11,535	11,067
11							61	41	85.441	2.822,027	31.824,479	11,277	10,810
12							62	42	84.331	2.633,924	29.002,453	11,011	10,544
13							63	43	83.101	2.454,395	26.368,529	10,743	10,276
14							64	44	81.794	2.284,432	23.914,133	10,468	10,001
15							65	45	80.391	2.123,168	21.629,701	10,187	9,720
16							66	46	78.858	1.969,434	19.506,533	9,905	9,437
17							67	47	77.210	1.823,433	17.537,099	9,618	9,150
18							68	48	75.409	1.684,071	15.713,666	9,331	8,863
19							69	49	73.471	1.551,559	14.029,595	9,042	8,575
20	0	99.059	32.380,604	555.861,658	17,167	16,699	70	50	71.406	1.425,972	12.478,036	8,751	8,283
21	1	98.608	30.480,504	523.481,054	17,174	16,707	71	51	69.195	1.306,672	11.052,063	8,458	7,991
22	2	98.495	28.790,257	493.000,551	17,124	16,656	72	52	66.830	1.193,390	9.745,391	8,166	7,699
23	3	98.401	27.198,924	464.210,294	17,067	16,600	73	53	64.282	1.085,480	8.552,001	7,879	7,411
24	4	98.311	25.696,547	437.011,370	17,007	16,539	74	54	61.594	983,533	7.466,521	7,592	7,124
25	5	98.227	24.278,568	411.314,823	16,941	16,474	75	55	58.774	887,471	6.482,988	7,305	6,837
26	6	98.143	22.938,665	387.036,255	16,873	16,405	76	56	55.844	797,384	5.595,517	7,017	6,550
27	7	98.063	21.673,898	364.097,590	16,799	16,331	77	57	52.845	713,535	4.798,133	6,724	6,257
28	8	97.985	20.478,971	342.423,692	16,721	16,253	78	58	49.730	634,959	4.084,598	6,433	5,965
29	9	97.903	19.349,366	321.944,721	16,639	16,171	79	59	46.486	561,270	3.449,639	6,146	5,679
30	10	97.828	18.283,222	302.595,355	16,550	16,083	80	60	43.170	492,889	2.888,369	5,860	5,393
31	11	97.748	17.275,015	284.312,134	16,458	15,990	81	61	39.741	429,075	2.395,480	5,583	5,115
32	12	97.662	16.321,281	267.037,119	16,361	15,894	82	62	36.273	370,335	1.966,406	5,310	4,842
33	13	97.574	15.419,881	250.715,838	16,259	15,792	83	63	32.662	315,331	1.596,070	5,062	4,594
34	14	97.479	14.567,246	235.295,957	16,152	15,685	84	64	29.134	265,980	1.280,740	4,815	4,348
35	15	97.374	13.760,413	220.728,711	16,041	15,573	85	65	25.732	222,148	1.014,760	4,568	4,100
36	16	97.255	12.996,271	206.968,298	15,925	15,458	86	66	22.556	184,141	792,612	4,304	3,837
37	17	97.125	12.273,145	193.972,027	15,805	15,337	87	67	19.391	149,695	608,471	4,065	3,597
38	18	96.986	11.589,239	181.698,882	15,678	15,211	88	68	16.311	119,075	458,776	3,853	3,385
39	19	96.825	10.940,843	170.109,642	15,548	15,081	89	69	13.456	92,890	339,702	3,657	3,189
40	20	96.649	10.327,141	159.168,799	15,413	14,945	90	70	10.896	71,127	246,812	3,470	3,002
41	21	96.452	9.745,721	148.841,658	15,273	14,805	91	71	8.657	53,440	175,685	3,288	2,820
42	22	96.245	9.196,054	139.095,937	15,126	14,658	92	72	6.705	39,140	122,245	3,123	2,656
43	23	96.007	8.674,503	129.899,883	14,975	14,507	93	73	5.071	27,989	83,105	2,969	2,502
44	24	95.744	8.180,399	121.225,380	14,819	14,351	94	74	3.737	19,506	55,116	2,826	2,358
45	25	95.461	7.712,752	113.044,981	14,657	14,189	95	75	2.681	13,233	35,610	2,691	2,223
46	26	95.144	7.269,152	105.332,228	14,490	14,023	96	76	1.868	8,721	22,377	2,566	2,098
47	27	94.794	6.848,653	98.063,077	14,319	13,851	97	77	1.264	5,577	13,656	2,449	1,981
48	28	94.412	6.450,114	91.214,424	14,142	13,674	98	78	828	3,455	8,079	2,338	1,871
49	29	93.998	6.072,695	84.764,311	13,958	13,491	99	79	524	2,069	4,624	2,236	1,768
							100	80	320	1,195	2,556	2,139	1,671

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 21 Jahre

Zinsfuß 5,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	29	93.576	5.716,727	78.792,899	13,783	13,315
1							51	30	93.085	5.377,526	73.076,172	13,589	13,122
2							52	31	92.573	5.057,129	67.698,647	13,387	12,919
3							53	32	91.997	4.752,410	62.641,517	13,181	12,713
4							54	33	91.386	4.464,170	57.889,107	12,967	12,500
5							55	34	90.729	4.191,098	53.424,937	12,747	12,280
6							56	35	90.008	3.931,703	49.233,839	12,522	12,055
7							57	36	89.258	3.686,917	45.302,137	12,287	11,820
8							58	37	88.435	3.454,325	41.615,219	12,047	11,580
9							59	38	87.539	3.233,387	38.160,894	11,802	11,335
10							60	39	86.558	3.023,321	34.927,507	11,553	11,085
11							61	40	85.515	2.824,484	31.904,186	11,296	10,828
12							62	41	84.414	2.636,530	29.079,702	11,030	10,562
13							63	42	83.195	2.457,159	26.443,172	10,762	10,294
14							64	43	81.900	2.287,402	23.986,013	10,486	10,019
15							65	44	80.503	2.126,128	21.698,611	10,206	9,738
16							66	45	78.983	1.972,563	19.572,484	9,922	9,455
17							67	46	77.349	1.826,714	17.599,921	9,635	9,167
18							68	47	75.556	1.687,352	15.773,207	9,348	8,880
19							69	48	73.627	1.554,855	14.085,855	9,059	8,592
20							70	49	71.579	1.429,412	12.531,000	8,767	8,299
21	0	98.983	30.596,677	523.771,663	17,119	16,651	71	50	69.370	1.309,982	11.101,587	8,475	8,007
22	1	98.530	28.800,571	493.174,986	17,124	16,656	72	51	67.016	1.196,713	9.791,605	8,182	7,715
23	2	98.421	27.204,303	464.374,414	17,070	16,602	73	52	64.477	1.088,772	8.594,892	7,894	7,427
24	3	98.328	25.700,959	437.170,112	17,010	16,542	74	53	61.789	986,648	7.506,120	7,608	7,140
25	4	98.240	24.281,704	411.469,153	16,946	16,478	75	54	58.979	890,569	6.519,471	7,321	6,853
26	5	98.156	22.941,664	387.187,449	16,877	16,409	76	55	56.056	800,415	5.628,903	7,032	6,565
27	6	98.072	21.675,896	364.245,785	16,804	16,337	77	56	53.058	716,412	4.828,488	6,740	6,272
28	7	97.993	20.480,755	342.569,890	16,726	16,259	78	57	49.953	637,805	4.112,076	6,447	5,980
29	8	97.913	19.351,223	322.089,135	16,644	16,177	79	58	46.711	563,986	3.474,271	6,160	5,693
30	9	97.835	18.284,403	302.737,912	16,557	16,090	80	59	43.390	495,407	2.910,285	5,875	5,407
31	10	97.757	17.276,468	284.453,509	16,465	15,997	81	60	39.961	431,449	2.414,878	5,597	5,130
32	11	97.671	16.322,812	267.177,041	16,368	15,901	82	61	36.478	372,431	1.983,429	5,326	4,858
33	12	97.582	15.421,191	250.854,230	16,267	15,799	83	62	32.868	317,328	1.610,998	5,077	4,609
34	13	97.488	14.568,657	235.433,039	16,160	15,693	84	63	29.334	267,802	1.293,670	4,831	4,363
35	14	97.386	13.762,017	220.864,381	16,049	15,581	85	64	25.922	223,784	1.025,869	4,584	4,117
36	15	97.272	12.998,594	207.102,365	15,933	15,465	86	65	22.742	185,658	802,084	4,320	3,853
37	16	97.145	12.275,745	194.103,771	15,812	15,344	87	66	19.568	151,063	616,427	4,081	3,613
38	17	97.007	11.591,790	181.828,026	15,686	15,218	88	67	16.479	120,297	465,364	3,868	3,401
39	18	96.852	10.943,990	170.236,236	15,555	15,088	89	68	13.612	93,965	345,067	3,672	3,205
40	19	96.675	10.330,005	159.292,246	15,420	14,953	90	69	11.037	72,046	251,102	3,485	3,018
41	20	96.482	9.748,800	148.962,241	15,280	14,812	91	70	8.782	54,210	179,056	3,303	2,835
42	21	96.268	9.198,305	139.213,441	15,135	14,667	92	71	6.816	39,785	124,846	3,138	2,670
43	22	96.033	8.676,853	130.015,136	14,984	14,517	93	72	5.164	28,502	85,060	2,984	2,517
44	23	95.769	8.182,534	121.338,284	14,829	14,361	94	73	3.815	19,912	56,558	2,840	2,373
45	24	95.487	7.714,848	113.155,750	14,667	14,200	95	74	2.743	13,541	36,646	2,706	2,239
46	25	95.167	7.270,941	105.440,902	14,502	14,034	96	75	1.918	8,953	23,105	2,581	2,113
47	26	94.821	6.850,570	98.169,961	14,330	13,863	97	76	1.301	5,743	14,152	2,464	1,996
48	27	94.439	6.451,994	91.319,390	14,154	13,686	98	77	856	3,571	8,409	2,355	1,887
49	28	94.026	6.074,498	84.867,396	13,971	13,504	99	78	544	2,148	4,838	2,252	1,784
							100	79	334	1,247	2,689	2,156	1,688

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 22 Jahre

Zinsfuß 5,75%

Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	28	93.604	5.718,424	78.885,561	13,795	13,327
1							51	29	93.113	5.379,100	73.167,137	13,602	13,135
2							52	30	92.603	5.058,786	67.788,037	13,400	12,932
3							53	31	92.030	4.754,109	62.729,252	13,195	12,727
4							54	32	91.419	4.465,758	57.975,143	12,982	12,515
5							55	33	90.766	4.192,773	53.509,386	12,762	12,295
6							56	34	90.050	3.933,547	49.316,612	12,537	12,070
7							57	35	89.303	3.688,806	45.383,065	12,303	11,835
8							58	36	88.485	3.456,279	41.694,259	12,063	11,596
9							59	37	87.592	3.235,371	38.237,980	11,819	11,351
10							60	38	86.619	3.025,438	35.002,609	11,569	11,102
11							61	39	85.583	2.826,746	31.977,171	11,312	10,845
12							62	40	84.488	2.638,826	29.150,425	11,047	10,579
13							63	41	83.277	2.459,590	26.511,599	10,779	10,311
14							64	42	81.993	2.289,977	24.052,009	10,503	10,036
15							65	43	80.608	2.128,891	21.762,032	10,222	9,755
16							66	44	79.093	1.975,312	19.633,141	9,939	9,472
17							67	45	77.472	1.829,615	17.657,829	9,651	9,184
18							68	46	75.692	1.690,388	15.828,214	9,364	8,896
19							69	47	73.770	1.557,885	14.137,826	9,075	8,607
20							70	48	71.731	1.432,449	12.579,941	8,782	8,315
21							71	49	69.537	1.313,143	11.147,491	8,489	8,022
22	0	98.906	28.910,342	493.444,794	17,068	16,601	72	50	67.186	1.199,745	9.834,349	8,197	7,729
23	1	98.456	27.214,049	464.534,452	17,070	16,602	73	51	64.657	1.091,804	8.634,604	7,909	7,441
24	2	98.348	25.706,041	437.320,403	17,012	16,545	74	52	61.976	989,640	7.542,800	7,622	7,154
25	3	98.257	24.285,873	411.614,362	16,949	16,481	75	53	59.166	893,390	6.553,159	7,335	6,868
26	4	98.168	22.944,627	387.328,489	16,881	16,413	76	54	56.252	803,208	5.659,770	7,046	6,579
27	5	98.085	21.678,729	364.383,862	16,808	16,341	77	55	53.260	719,135	4.856,562	6,753	6,286
28	6	98.002	20.482,642	342.705,133	16,731	16,264	78	56	50.154	640,376	4.137,427	6,461	5,993
29	7	97.921	19.352,909	322.222,490	16,650	16,182	79	57	46.920	566,514	3.497,050	6,173	5,705
30	8	97.844	18.286,158	302.869,582	16,563	16,095	80	58	43.600	497,804	2.930,536	5,887	5,419
31	9	97.763	17.277,584	284.583,423	16,471	16,004	81	59	40.166	433,654	2.432,732	5,610	5,142
32	10	97.680	16.324,184	267.305,839	16,375	15,907	82	60	36.680	374,492	1.999,078	5,338	4,871
33	11	97.591	15.422,637	250.981,655	16,274	15,806	83	61	33.054	319,124	1.624,585	5,091	4,623
34	12	97.497	14.569,895	235.559,018	16,168	15,700	84	62	29.519	269,497	1.305,462	4,844	4,376
35	13	97.395	13.763,350	220.989,123	16,056	15,589	85	63	26.099	225,317	1.035,965	4,598	4,130
36	14	97.284	13.000,108	207.225,773	15,940	15,473	86	64	22.909	187,025	810,648	4,334	3,867
37	15	97.163	12.277,939	194.225,665	15,819	15,352	87	65	19.729	152,307	623,623	4,095	3,627
38	16	97.028	11.594,245	181.947,726	15,693	15,225	88	66	16.630	121,397	471,316	3,882	3,415
39	17	96.874	10.946,399	170.353,481	15,563	15,095	89	67	13.752	94,930	349,919	3,686	3,219
40	18	96.703	10.332,977	159.407,082	15,427	14,959	90	68	11.165	72,880	254,989	3,499	3,031
41	19	96.509	9.751,503	149.074,105	15,287	14,820	91	69	8.896	54,911	182,110	3,316	2,849
42	20	96.299	9.201,211	139.322,602	15,142	14,674	92	70	6.914	40,359	127,199	3,152	2,684
43	21	96.056	8.678,976	130.121,391	14,993	14,525	93	71	5.249	28,972	86,840	2,997	2,530
44	22	95.795	8.184,750	121.442,415	14,838	14,370	94	72	3.885	20,278	57,868	2,854	2,386
45	23	95.512	7.716,862	113.257,665	14,677	14,209	95	73	2.800	13,823	37,590	2,719	2,252
46	24	95.193	7.272,917	105.540,804	14,511	14,044	96	74	1.963	9,161	23,768	2,594	2,127
47	25	94.844	6.852,256	98.267,887	14,341	13,873	97	75	1.336	5,896	14,606	2,477	2,010
48	26	94.466	6.453,801	91.415,631	14,165	13,697	98	76	881	3,677	8,710	2,368	1,901
49	27	94.054	6.076,269	84.961,830	13,983	13,515	99	77	563	2,220	5,032	2,267	1,799
							100	78	347	1,295	2,812	2,171	1,703

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 23 Jahre

Zinsfuß 5,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	27	93.631	5.720,091	78.970,438	13,806	13,338
1							51	28	93.140	5.380,697	73.250,347	13,614	13,146
2							52	29	92.630	5.060,267	67.869,650	13,412	12,945
3							53	30	92.060	4.755,666	62.809,383	13,207	12,740
4							54	31	91.451	4.467,353	58.053,718	12,995	12,528
5							55	32	90.798	4.194,265	53.586,364	12,776	12,309
6							56	33	90.086	3.935,119	49.392,100	12,552	12,084
7							57	34	89.345	3.690,536	45.456,980	12,317	11,850
8							58	35	88.531	3.458,050	41.766,444	12,078	11,610
9							59	36	87.642	3.237,202	38.308,395	11,834	11,366
10							60	37	86.672	3.027,294	35.071,193	11,585	11,117
11							61	38	85.643	2.828,725	32.043,899	11,328	10,860
12							62	39	84.555	2.640,939	29.215,174	11,062	10,595
13							63	40	83.350	2.461,732	26.574,235	10,795	10,327
14							64	41	82.074	2.292,243	24.112,503	10,519	10,052
15							65	42	80.699	2.131,288	21.820,260	10,238	9,770
16							66	43	79.196	1.977,880	19.688,972	9,955	9,487
17							67	44	77.580	1.832,166	17.711,092	9,667	9,199
18							68	45	75.813	1.693,073	15.878,927	9,379	8,911
19							69	46	73.903	1.560,688	14.185,853	9,089	8,622
20							70	47	71.871	1.435,240	12.625,165	8,797	8,329
21							71	48	69.685	1.315,932	11.189,925	8,503	8,036
22							72	49	67.348	1.202,639	9.873,993	8,210	7,743
23	0	98.831	27.317,773	464.785,001	17,014	16,546	73	50	64.820	1.094,570	8.671,354	7,922	7,455
24	1	98.383	25.715,251	437.467,229	17,012	16,544	74	51	62.149	992,396	7.576,784	7,635	7,167
25	2	98.276	24.290,675	411.751,978	16,951	16,483	75	52	59.345	896,099	6.584,388	7,348	6,880
26	3	98.185	22.948,566	387.461,302	16,884	16,416	76	53	56.430	805,753	5.688,289	7,060	6,592
27	4	98.098	21.681,530	364.512,736	16,812	16,345	77	54	53.446	721,645	4.882,536	6,766	6,298
28	5	98.015	20.485,320	342.831,207	16,735	16,268	78	55	50.345	642,811	4.160,891	6,473	6,005
29	6	97.930	19.354,692	322.345,886	16,655	16,187	79	56	47.109	568,798	3.518,081	6,185	5,718
30	7	97.852	18.287,751	302.991,194	16,568	16,100	80	57	43.796	500,036	2.949,283	5,898	5,431
31	8	97.772	17.279,243	284.703,443	16,477	16,009	81	58	40.360	435,752	2.449,247	5,621	5,153
32	9	97.686	16.325,239	267.424,201	16,381	15,913	82	59	36.868	376,406	2.013,494	5,349	4,882
33	10	97.599	15.423,934	251.098,961	16,280	15,812	83	60	33.237	320,890	1.637,089	5,102	4,634
34	11	97.506	14.571,261	235.675,027	16,174	15,706	84	61	29.686	271,023	1.316,199	4,856	4,389
35	12	97.403	13.764,519	221.103,766	16,063	15,596	85	62	26.264	226,744	1.045,176	4,610	4,142
36	13	97.293	13.001,368	207.339,247	15,947	15,480	86	63	23.066	188,306	818,433	4,346	3,879
37	14	97.174	12.279,370	194.337,879	15,826	15,359	87	64	19.875	153,429	630,127	4,107	3,639
38	15	97.045	11.596,317	182.058,509	15,700	15,232	88	65	16.766	122,397	476,698	3,895	3,427
39	16	96.894	10.948,717	170.462,192	15,569	15,102	89	66	13.877	95,797	354,302	3,698	3,231
40	17	96.724	10.335,251	159.513,475	15,434	14,966	90	67	11.279	73,628	258,504	3,511	3,043
41	18	96.537	9.754,308	149.178,224	15,294	14,826	91	68	8.998	55,546	184,876	3,328	2,861
42	19	96.325	9.203,762	139.423,916	15,149	14,681	92	69	7.003	40,881	129,330	3,164	2,696
43	20	96.086	8.681,718	130.220,153	14,999	14,532	93	70	5.324	29,390	88,450	3,010	2,542
44	21	95.818	8.186,753	121.538,435	14,846	14,378	94	71	3.949	20,612	59,060	2,865	2,398
45	22	95.538	7.718,952	113.351,682	14,685	14,217	95	72	2.852	14,077	38,448	2,731	2,264
46	23	95.218	7.274,815	105.632,731	14,520	14,053	96	73	2.004	9,352	24,372	2,606	2,138
47	24	94.870	6.854,119	98.357,916	14,350	13,883	97	74	1.367	6,034	15,020	2,489	2,022
48	25	94.489	6.455,389	91.503,797	14,175	13,707	98	75	905	3,775	8,986	2,380	1,913
49	26	94.080	6.077,970	85.048,408	13,993	13,525	99	76	579	2,287	5,211	2,279	1,811
							100	77	359	1,339	2,924	2,184	1,716

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 24 Jahre

Zinsfuß 5,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	26	93.658	5.721,693	79.048,248	13,816	13,348
1							51	27	93.167	5.382,266	73.326,556	13,624	13,156
2							52	28	92.658	5.061,769	67.944,290	13,423	12,955
3							53	29	92.087	4.757,058	62.882,521	13,219	12,751
4							54	30	91.481	4.468,817	58.125,463	13,007	12,539
5							55	31	90.830	4.195,763	53.656,646	12,788	12,321
6							56	32	90.118	3.936,519	49.460,883	12,565	12,097
7							57	33	89.381	3.692,011	45.524,364	12,331	11,863
8							58	34	88.572	3.459,672	41.832,352	12,091	11,624
9							59	35	87.687	3.238,860	38.372,681	11,848	11,380
10							60	36	86.721	3.029,007	35.133,821	11,599	11,132
11							61	37	85.696	2.830,460	32.104,814	11,343	10,875
12							62	38	84.615	2.642,788	29.274,354	11,077	10,609
13							63	39	83.417	2.463,703	26.631,566	10,810	10,342
14							64	40	82.145	2.294,239	24.167,862	10,534	10,067
15							65	41	80.779	2.133,397	21.873,623	10,253	9,785
16							66	42	79.285	1.980,106	19.740,227	9,969	9,502
17							67	43	77.681	1.834,547	17.760,120	9,681	9,213
18							68	44	75.918	1.695,433	15.925,573	9,393	8,926
19							69	45	74.020	1.563,167	14.230,140	9,103	8,636
20							70	46	72.000	1.437,823	12.666,973	8,810	8,342
21							71	47	69.821	1.318,496	11.229,150	8,517	8,049
22							72	48	67.491	1.205,194	9.910,654	8,223	7,756
23							73	49	64.977	1.097,210	8.705,460	7,934	7,467
24	0	98.758	25.813,262	437.699,938	16,956	16,489	74	50	62.306	994,910	7.608,249	7,647	7,180
25	1	98.312	24.299,378	411.886,676	16,951	16,483	75	51	59.510	898,594	6.613,339	7,360	6,892
26	2	98.204	22.953,104	387.587,298	16,886	16,418	76	52	56.601	808,196	5.714,745	7,071	6,603
27	3	98.115	21.685,252	364.634,194	16,815	16,347	77	53	53.615	723,931	4.906,549	6,778	6,310
28	4	98.028	20.487,966	342.948,942	16,739	16,271	78	54	50.520	645,054	4.182,618	6,484	6,017
29	5	97.943	19.357,222	322.460,976	16,658	16,191	79	55	47.288	570,960	3.537,564	6,196	5,728
30	6	97.861	18.289,436	303.103,753	16,573	16,105	80	56	43.972	502,052	2.966,604	5,909	5,441
31	7	97.781	17.280,748	284.814,317	16,482	16,014	81	57	40.541	437,706	2.464,552	5,631	5,163
32	8	97.695	16.326,806	267.533,569	16,386	15,919	82	58	37.046	378,227	2.026,846	5,359	4,891
33	9	97.606	15.424,931	251.206,763	16,286	15,818	83	59	33.407	322,529	1.648,619	5,112	4,644
34	10	97.514	14.572,486	235.781,832	16,180	15,712	84	60	29.851	272,523	1.326,090	4,866	4,398
35	11	97.413	13.765,810	221.209,345	16,069	15,602	85	61	26.413	228,027	1.053,567	4,620	4,153
36	12	97.301	13.002,472	207.443,535	15,954	15,487	86	62	23.212	189,499	825,540	4,356	3,889
37	13	97.183	12.280,560	194.441,063	15,833	15,366	87	63	20.011	154,479	636,042	4,117	3,650
38	14	97.057	11.597,668	182.160,503	15,707	15,239	88	64	16.890	123,298	481,562	3,906	3,438
39	15	96.912	10.950,674	170.562,835	15,576	15,108	89	65	13.992	96,586	358,264	3,709	3,242
40	16	96.745	10.337,440	159.612,161	15,440	14,973	90	66	11.382	74,301	261,678	3,522	3,054
41	17	96.558	9.756,455	149.274,721	15,300	14,833	91	67	9.091	56,117	187,377	3,339	2,871
42	18	96.353	9.206,410	139.518,266	15,154	14,687	92	68	7.084	41,354	131,261	3,174	2,707
43	19	96.113	8.684,126	130.311,856	15,006	14,538	93	69	5.393	29,770	89,907	3,020	2,553
44	20	95.849	8.189,339	121.627,730	14,852	14,384	94	70	4.006	20,909	60,137	2,876	2,409
45	21	95.561	7.720,841	113.438,391	14,692	14,225	95	71	2.899	14,309	39,228	2,742	2,274
46	22	95.244	7.276,785	105.717,550	14,528	14,060	96	72	2.040	9,524	24,920	2,617	2,149
47	23	94.895	6.855,907	98.440,765	14,359	13,891	97	73	1.395	6,159	15,396	2,500	2,032
48	24	94.515	6.457,144	91.584,858	14,183	13,716	98	74	926	3,863	9,237	2,391	1,923
49	25	94.103	6.079,466	85.127,714	14,002	13,535	99	75	595	2,347	5,374	2,289	1,822
							100	76	369	1,379	3,026	2,195	1,727

Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004

Altersdifferenz zwischen Mann und Frau (x - y) = 25 Jahre

Zinsfuß 5,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	25	93.681	5.723,101	79.119,512	13,825	13,357
1							51	26	93.194	5.383,773	73.396,411	13,633	13,165
2							52	27	92.685	5.063,245	68.012,638	13,433	12,965
3							53	28	92.114	4.758,471	62.949,393	13,229	12,761
4							54	29	91.508	4.470,125	58.190,922	13,018	12,550
5							55	30	90.860	4.197,138	53.720,797	12,799	12,332
6							56	31	90.151	3.937,926	49.523,660	12,576	12,109
7							57	32	89.413	3.693,325	45.585,734	12,343	11,875
8							58	33	88.607	3.461,055	41.892,410	12,104	11,636
9							59	34	87.728	3.240,379	38.431,355	11,860	11,393
10							60	35	86.765	3.030,558	35.190,976	11,612	11,144
11							61	36	85.744	2.832,062	32.160,418	11,356	10,888
12							62	37	84.667	2.644,410	29.328,356	11,091	10,623
13							63	38	83.475	2.465,428	26.683,946	10,823	10,356
14							64	39	82.211	2.296,076	24.218,518	10,548	10,080
15							65	40	80.849	2.135,255	21.922,442	10,267	9,799
16							66	41	79.364	1.982,066	19.787,187	9,983	9,516
17							67	42	77.768	1.836,613	17.805,122	9,695	9,227
18							68	43	76.017	1.697,637	15.968,509	9,406	8,939
19							69	44	74.124	1.565,346	14.270,872	9,117	8,649
20							70	45	72.114	1.440,107	12.705,526	8,823	8,355
21							71	46	69.947	1.320,869	11.265,419	8,529	8,061
22							72	47	67.622	1.207,542	9.944,551	8,235	7,768
23							73	48	65.115	1.099,541	8.737,009	7,946	7,478
24							74	49	62.457	997,310	7.637,467	7,658	7,190
25	0	98.686	24.391,993	412.102,855	16,895	16,427	75	50	59.661	900,870	6.640,157	7,371	6,903
26	1	98.240	22.961,328	387.710,862	16,885	16,418	76	51	56.759	810,447	5.739,286	7,082	6,614
27	2	98.134	21.689,540	364.749,535	16,817	16,349	77	52	53.778	726,126	4.928,840	6,788	6,320
28	3	98.045	20.491,484	343.059,994	16,742	16,274	78	53	50.680	647,097	4.202,714	6,495	6,027
29	4	97.956	19.359,723	322.568,511	16,662	16,194	79	54	47.454	572,953	3.555,616	6,206	5,738
30	5	97.874	18.291,828	303.208,788	16,576	16,109	80	55	44.139	503,960	2.982,663	5,918	5,451
31	6	97.790	17.282,340	284.916,960	16,486	16,018	81	56	40.704	439,470	2.478,703	5,640	5,173
32	7	97.704	16.328,228	267.634,620	16,391	15,923	82	57	37.212	379,923	2.039,233	5,367	4,900
33	8	97.615	15.426,412	251.306,392	16,291	15,823	83	58	33.569	324,090	1.659,310	5,120	4,652
34	9	97.520	14.573,428	235.879,980	16,186	15,718	84	59	30.003	273,915	1.335,220	4,875	4,407
35	10	97.421	13.766,968	221.306,552	16,075	15,608	85	60	26.559	229,289	1.061,305	4,629	4,161
36	11	97.311	13.003,692	207.539,584	15,960	15,492	86	61	23.344	190,571	832,016	4,366	3,898
37	12	97.192	12.281,603	194.535,892	15,840	15,372	87	62	20.137	155,458	641,445	4,126	3,659
38	13	97.066	11.598,792	182.254,289	15,713	15,246	88	63	17.006	124,143	485,987	3,915	3,447
39	14	96.923	10.951,950	170.655,497	15,582	15,115	89	64	14.095	97,298	361,845	3,719	3,251
40	15	96.762	10.339,287	159.703,547	15,446	14,979	90	65	11.476	74,913	264,547	3,531	3,064
41	16	96.578	9.758,522	149.364,260	15,306	14,838	91	66	9.174	56,629	189,634	3,349	2,881
42	17	96.374	9.208,436	139.605,738	15,161	14,693	92	67	7.157	41,778	133,005	3,184	2,716
43	18	96.141	8.686,624	130.397,302	15,011	14,544	93	68	5.456	30,114	91,227	3,029	2,562
44	19	95.875	8.191,610	121.710,679	14,858	14,390	94	69	4.058	21,179	61,113	2,886	2,418
45	20	95.591	7.723,280	113.519,068	14,698	14,231	95	70	2.941	14,515	39,933	2,751	2,284
46	21	95.267	7.278,566	105.795,788	14,535	14,068	96	71	2.074	9,681	25,419	2,626	2,158
47	22	94.921	6.857,764	98.517,223	14,366	13,898	97	72	1.421	6,272	15,738	2,509	2,042
48	23	94.539	6.458,829	91.659,459	14,191	13,724	98	73	945	3,944	9,466	2,400	1,933
49	24	94.129	6.081,118	85.200,630	14,011	13,543	99	74	609	2,402	5,522	2,299	1,831
							100	75	379	1,416	3,120	2,204	1,737

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 0 Jahre

Zinsfuß 6,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	0	100.000	100.000,000	1.708.746,417	17,087	16,619	50	50	91.638	4.974,872	63.330,753	12,730	12,262
1	1	99.166	93.552,649	1.608.746,417	17,196	16,728	51	51	90.953	4.658,220	58.355,881	12,528	12,060
2	2	99.090	88.189,966	1.515.193,767	17,181	16,713	52	52	90.231	4.359,638	53.697,662	12,317	11,849
3	3	99.051	83.164,884	1.427.003,802	17,159	16,691	53	53	89.431	4.076,384	49.338,024	12,103	11,635
4	4	99.016	78.429,661	1.343.838,917	17,134	16,666	54	54	88.588	3.809,406	45.261,640	11,882	11,414
5	5	98.990	73.970,769	1.265.409,256	17,107	16,639	55	55	87.680	3.556,962	41.452,234	11,654	11,186
6	6	98.963	69.765,067	1.191.438,487	17,078	16,610	56	56	86.694	3.317,894	37.895,271	11,421	10,954
7	7	98.942	65.802,366	1.121.673,420	17,046	16,578	57	57	85.670	3.093,108	34.577,377	11,179	10,711
8	8	98.922	62.064,633	1.055.871,054	17,012	16,544	58	58	84.550	2.879,867	31.484,269	10,933	10,465
9	9	98.900	58.538,959	993.806,421	16,977	16,509	59	59	83.341	2.678,005	28.604,402	10,681	10,213
10	10	98.885	55.216,697	935.267,462	16,938	16,470	60	60	82.046	2.487,156	25.926,397	10,424	9,956
11	11	98.867	52.081,948	880.050,766	16,897	16,429	61	61	80.675	2.307,187	23.439,241	10,159	9,691
12	12	98.844	49.122,208	827.968,817	16,855	16,387	62	62	79.258	2.138,347	21.132,054	9,882	9,414
13	13	98.822	46.331,719	778.846,609	16,810	16,342	63	63	77.698	1.977,612	18.993,707	9,604	9,136
14	14	98.800	43.699,267	732.514,891	16,763	16,295	64	64	76.054	1.826,204	17.016,095	9,318	8,850
15	15	98.770	41.213,315	688.815,624	16,713	16,245	65	65	74.307	1.683,245	15.189,891	9,024	8,556
16	16	98.729	38.864,369	647.602,309	16,663	16,195	66	66	72.409	1.547,414	13.506,645	8,729	8,261
17	17	98.670	36.642,694	608.737,940	16,613	16,145	67	67	70.380	1.418,924	11.959,231	8,428	7,960
18	18	98.599	34.543,456	572.095,245	16,562	16,094	68	68	68.173	1.296,619	10.540,307	8,129	7,661
19	19	98.496	32.554,083	537.551,789	16,513	16,045	69	69	65.800	1.180,648	9.243,689	7,829	7,361
20	20	98.389	30.678,158	504.997,706	16,461	15,993	70	70	63.288	1.071,292	8.063,040	7,526	7,058
21	21	98.283	28.910,520	474.319,548	16,406	15,939	71	71	60.609	967,876	6.991,749	7,224	6,756
22	22	98.182	27.246,023	445.409,028	16,348	15,880	72	72	57.749	869,999	6.023,873	6,924	6,456
23	23	98.081	25.677,461	418.163,006	16,285	15,817	73	73	54.711	777,583	5.153,874	6,628	6,160
24	24	97.983	24.199,750	392.485,544	16,219	15,751	74	74	51.518	690,753	4.376,291	6,336	5,868
25	25	97.886	22.807,189	368.285,795	16,148	15,680	75	75	48.208	609,784	3.685,538	6,044	5,576
26	26	97.790	21.495,188	345.478,605	16,072	15,604	76	76	44.787	534,444	3.075,754	5,755	5,287
27	27	97.693	20.258,303	323.983,418	15,993	15,525	77	77	41.321	465,173	2.541,310	5,463	4,995
28	28	97.594	19.092,374	303.725,114	15,908	15,440	78	78	37.788	401,327	2.076,137	5,173	4,705
29	29	97.494	17.993,092	284.632,741	15,819	15,351	79	79	34.179	342,447	1.674,810	4,891	4,423
30	30	97.396	16.957,711	266.639,649	15,724	15,256	80	80	30.561	288,865	1.332,362	4,612	4,144
31	31	97.293	15.980,919	249.681,939	15,624	15,156	81	81	26.911	239,972	1.043,498	4,348	3,880
32	32	97.182	15.059,052	233.701,020	15,519	15,051	82	82	23.325	196,218	803,526	4,095	3,627
33	33	97.068	14.189,966	218.641,968	15,408	14,940	83	83	19.770	156,896	607,308	3,871	3,403
34	34	96.944	13.369,673	204.452,002	15,292	14,824	84	84	16.483	123,407	450,412	3,650	3,182
35	35	96.806	12.594,945	191.082,328	15,171	14,703	85	85	13.487	95,261	327,005	3,433	2,965
36	36	96.655	11.863,513	178.487,383	15,045	14,577	86	86	10.885	72,529	231,744	3,195	2,727
37	37	96.491	11.173,038	166.623,870	14,913	14,445	87	87	8.491	53,376	159,215	2,983	2,515
38	38	96.316	10.521,411	155.450,832	14,775	14,307	88	88	6.365	37,748	105,839	2,804	2,336
39	39	96.116	9.905,249	144.929,421	14,632	14,164	89	89	4.613	25,809	68,091	2,638	2,170
40	40	95.891	9.322,705	135.024,173	14,483	14,015	90	90	3.223	17,010	42,282	2,486	2,018
41	41	95.642	8.772,220	125.701,468	14,329	13,862	91	91	2.173	10,820	25,272	2,336	1,868
42	42	95.366	8.251,793	116.929,248	14,170	13,702	92	92	1.390	6,530	14,452	2,213	1,745
43	43	95.049	7.758,805	108.677,455	14,007	13,539	93	93	851	3,770	7,922	2,101	1,633
44	44	94.691	7.292,030	100.918,650	13,840	13,372	94	94	497	2,076	4,152	2,000	1,532
45	45	94.305	6.851,267	93.626,620	13,666	13,198	95	95	276	1,088	2,075	1,907	1,439
46	46	93.866	6.433,351	86.775,353	13,488	13,020	96	96	146	0,542	0,987	1,823	1,355
47	47	93.379	6.037,736	80.342,002	13,307	12,839	97	97	73	0,255	0,446	1,746	1,278
48	48	92.848	5.663,593	74.304,266	13,120	12,652	98	98	34	0,114	0,190	1,676	1,208
49	49	92.273	5.309,919	68.640,673	12,927	12,459	99	99	15	0,048	0,077	1,613	1,145
							100	100	6	0,019	0,029	1,555	1,087

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -1 Jahr

Zinsfuß 6,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	1	99.620	99.620,306	1.707.433,156	17,139	16,671	50	51	91.406	4.962,303	62.804,958	12,656	12,188
1	2	99.130	93.519,144	1.607.812,849	17,192	16,724	51	52	90.701	4.645,283	57.842,655	12,452	11,984
2	3	99.071	88.172,529	1.514.293,705	17,174	16,706	52	53	89.958	4.346,458	53.197,372	12,239	11,771
3	4	99.034	83.150,609	1.426.121,176	17,151	16,683	53	54	89.148	4.063,512	48.850,915	12,022	11,554
4	5	99.003	78.419,531	1.342.970,567	17,125	16,657	54	55	88.280	3.796,156	44.787,402	11,798	11,330
5	6	98.977	73.961,099	1.264.551,035	17,098	16,630	55	56	87.348	3.543,493	40.991,246	11,568	11,100
6	7	98.954	69.758,639	1.190.589,936	17,067	16,599	56	57	86.346	3.304,574	37.447,754	11,332	10,864
7	8	98.934	65.796,635	1.120.831,297	17,035	16,567	57	58	85.288	3.079,304	34.143,179	11,088	10,620
8	9	98.912	62.058,675	1.055.034,662	17,001	16,533	58	59	84.143	2.865,999	31.063,876	10,839	10,371
9	10	98.894	58.535,176	992.975,987	16,964	16,496	59	60	82.917	2.664,391	28.197,877	10,583	10,115
10	11	98.876	55.212,053	934.440,810	16,925	16,457	60	61	81.594	2.473,466	25.533,487	10,323	9,855
11	12	98.858	52.077,064	879.228,757	16,883	16,415	61	62	80.221	2.294,204	23.060,021	10,051	9,583
12	13	98.835	49.118,036	827.151,693	16,840	16,372	62	63	78.759	2.124,891	20.765,817	9,773	9,305
13	14	98.813	46.327,230	778.033,657	16,794	16,326	63	64	77.170	1.964,161	18.640,927	9,491	9,023
14	15	98.788	43.694,175	731.706,427	16,746	16,278	64	65	75.498	1.812,850	16.676,766	9,199	8,731
15	16	98.752	41.205,951	688.012,252	16,697	16,229	65	66	73.700	1.669,497	14.863,916	8,903	8,435
16	17	98.708	38.856,139	646.806,301	16,646	16,178	66	67	71.753	1.533,400	13.194,419	8,605	8,137
17	18	98.649	36.634,632	607.950,162	16,595	16,127	67	68	69.665	1.404,500	11.661,019	8,303	7,835
18	19	98.570	34.533,522	571.315,530	16,544	16,076	68	69	67.393	1.281,789	10.256,519	8,002	7,534
19	20	98.468	32.545,059	536.782,008	16,494	16,026	69	70	64.960	1.165,585	8.974,730	7,700	7,232
20	21	98.358	30.668,468	504.236,949	16,442	15,974	70	71	62.388	1.056,065	7.809,145	7,395	6,927
21	22	98.259	28.903,447	473.568,482	16,384	15,917	71	72	59.626	952,184	6.753,080	7,092	6,624
22	23	98.155	27.238,646	444.665,035	16,325	15,857	72	73	56.707	854,314	5.800,896	6,790	6,322
23	24	98.056	25.670,762	417.426,389	16,261	15,793	73	74	53.596	761,742	4.946,582	6,494	6,026
24	25	97.957	24.193,175	391.755,627	16,193	15,725	74	75	50.345	675,030	4.184,840	6,199	5,732
25	26	97.861	22.801,577	367.562,452	16,120	15,652	75	76	46.958	593,974	3.509,810	5,909	5,441
26	27	97.762	21.489,170	344.760,875	16,043	15,576	76	77	43.490	518,973	2.915,837	5,618	5,151
27	28	97.664	20.252,399	323.271,705	15,962	15,494	77	78	39.976	450,040	2.396,863	5,326	4,858
28	29	97.565	19.086,707	303.019,305	15,876	15,408	78	79	36.388	386,453	1.946,823	5,038	4,570
29	30	97.465	17.987,825	283.932,599	15,785	15,317	79	80	32.741	328,042	1.560,370	4,757	4,289
30	31	97.365	16.952,158	265.944,774	15,688	15,220	80	81	29.072	274,793	1.232,329	4,485	4,017
31	32	97.259	15.975,210	248.992,616	15,586	15,118	81	82	25.411	226,595	957,536	4,226	3,758
32	33	97.147	15.053,697	233.017,406	15,479	15,011	82	83	21.818	183,537	730,941	3,983	3,515
33	34	97.029	14.184,296	217.963,708	15,367	14,899	83	84	18.353	145,653	547,403	3,758	3,290
34	35	96.898	13.363,405	203.779,412	15,249	14,781	84	85	15.158	113,490	401,750	3,540	3,072
35	36	96.756	12.588,497	190.416,007	15,126	14,658	85	86	12.316	86,990	288,260	3,314	2,846
36	37	96.600	11.856,804	177.827,509	14,998	14,530	86	87	9.787	65,217	201,270	3,086	2,618
37	38	96.432	11.166,186	165.970,705	14,864	14,396	87	88	7.490	47,084	136,053	2,890	2,422
38	39	96.248	10.514,051	154.804,518	14,724	14,256	88	89	5.528	32,783	88,969	2,714	2,246
39	40	96.039	9.897,322	144.290,467	14,579	14,111	89	90	3.929	21,984	56,186	2,556	2,088
40	41	95.807	9.314,594	134.393,145	14,428	13,960	90	91	2.696	14,230	34,203	2,404	1,936
41	42	95.548	8.763,548	125.078,551	14,273	13,805	91	92	1.766	8,792	19,973	2,272	1,804
42	43	95.259	8.242,512	116.315,003	14,112	13,644	92	93	1.105	5,189	11,181	2,155	1,687
43	44	94.926	7.748,734	108.072,490	13,947	13,479	93	94	660	2,925	5,992	2,048	1,580
44	45	94.559	7.281,879	100.323,756	13,777	13,309	94	95	376	1,571	3,066	1,951	1,483
45	46	94.155	6.840,401	93.041,877	13,602	13,134	95	96	203	0,802	1,495	1,863	1,395
46	47	93.697	6.421,797	86.201,476	13,423	12,955	96	97	104	0,388	0,692	1,783	1,315
47	48	93.198	6.025,995	79.779,679	13,239	12,771	97	98	51	0,178	0,304	1,710	1,242
48	49	92.651	5.651,587	73.753,685	13,050	12,582	98	99	23	0,077	0,126	1,643	1,175
49	50	92.051	5.297,140	68.102,098	12,856	12,388	99	100	10	0,031	0,049	1,583	1,115
							100	101	4	0,012	0,018	1,528	1,060

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -2 Jahre

Zinsfuß 6,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	2	99.585	99.584,628	1.706.419,623	17,135	16,667	50	52	91.153	4.948,521	62.237,680	12,577	12,109
1	3	99.111	93.500,654	1.606.834,994	17,185	16,717	51	53	90.427	4.631,239	57.289,159	12,370	11,902
2	4	99.054	88.157,395	1.513.334,340	17,166	16,698	52	54	89.674	4.332,734	52.657,920	12,154	11,686
3	5	99.021	83.139,870	1.425.176,945	17,142	16,674	53	55	88.838	4.049,378	48.325,186	11,934	11,466
4	6	98.990	78.409,280	1.342.037,075	17,116	16,648	54	56	87.945	3.781,781	44.275,808	11,708	11,240
5	7	98.968	73.954,284	1.263.627,795	17,087	16,619	55	57	86.998	3.529,266	40.494,027	11,474	11,006
6	8	98.945	69.752,563	1.189.673,511	17,056	16,588	56	58	85.961	3.289,825	36.964,761	11,236	10,768
7	9	98.924	65.790,319	1.119.920,948	17,023	16,555	57	59	84.877	3.064,475	33.674,936	10,989	10,521
8	10	98.906	62.054,665	1.054.130,628	16,987	16,519	58	60	83.715	2.851,428	30.610,461	10,735	10,267
9	11	98.886	58.530,254	992.075,963	16,950	16,482	59	61	82.461	2.649,725	27.759,032	10,476	10,008
10	12	98.867	55.206,876	933.545,709	16,910	16,442	60	62	81.135	2.459,547	25.109,307	10,209	9,741
11	13	98.849	52.072,641	878.338,834	16,868	16,400	61	63	79.716	2.279,767	22.649,761	9,935	9,467
12	14	98.826	49.113,277	826.266,192	16,824	16,356	62	64	78.223	2.110,437	20.369,994	9,652	9,184
13	15	98.801	46.321,831	777.152,915	16,777	16,309	63	65	76.605	1.949,797	18.259,557	9,365	8,897
14	16	98.771	43.686,368	730.831,084	16,729	16,261	64	66	74.882	1.798,043	16.309,759	9,071	8,603
15	17	98.732	41.197,225	687.144,716	16,679	16,211	65	67	73.032	1.654,377	14.511,716	8,772	8,304
16	18	98.687	38.847,589	645.947,491	16,628	16,160	66	68	71.024	1.517,813	12.857,339	8,471	8,003
17	19	98.620	36.624,096	607.099,902	16,577	16,109	67	69	68.868	1.388,436	11.339,526	8,167	7,699
18	20	98.543	34.523,949	570.475,805	16,524	16,056	68	70	66.533	1.265,435	9.951,089	7,864	7,396
19	21	98.437	32.534,779	535.951,856	16,473	16,005	69	71	64.037	1.149,018	8.685,654	7,559	7,091
20	22	98.334	30.660,964	503.417,077	16,419	15,951	70	72	61.377	1.038,944	7.536,636	7,254	6,786
21	23	98.233	28.895,621	472.756,113	16,361	15,893	71	73	58.551	935,017	6.497,692	6,949	6,481
22	24	98.130	27.231,539	443.860,491	16,300	15,832	72	74	55.552	836,909	5.562,675	6,647	6,179
23	25	98.029	25.663,788	416.628,952	16,234	15,766	73	75	52.376	744,403	4.725,765	6,348	5,880
24	26	97.932	24.187,222	390.965,164	16,164	15,696	74	76	49.040	657,528	3.981,362	6,055	5,587
25	27	97.834	22.795,194	366.777,942	16,090	15,622	75	77	45.598	576,779	3.323,834	5,763	5,295
26	28	97.734	21.482,907	343.982,749	16,010	15,544	76	78	42.075	502,009	2.747,055	5,471	5,003
27	29	97.635	20.246,388	322.499,841	15,929	15,461	77	79	38.495	433,361	2.244,965	5,180	4,712
28	30	97.537	19.081,120	302.253,453	15,840	15,372	78	80	34.857	370,196	1.811,605	4,894	4,426
29	31	97.433	17.981,935	283.172,334	15,748	15,280	79	81	31.146	312,061	1.441,408	4,619	4,151
30	32	97.330	16.946,103	265.190,398	15,649	15,181	80	82	27.451	259,475	1.129,347	4,352	3,884
31	33	97.224	15.969,530	248.244,295	15,545	15,077	81	83	23.769	211,952	869,872	4,104	3,636
32	34	97.109	15.047,682	232.274,766	15,436	14,968	82	84	20.254	170,385	657,921	3,861	3,393
33	35	96.983	14.177,646	217.227,084	15,322	14,854	83	85	16.878	133,948	487,535	3,640	3,172
34	36	96.849	13.356,564	203.049,437	15,202	14,734	84	86	13.842	103,636	353,587	3,412	2,944
35	37	96.702	12.581,379	189.692,873	15,077	14,609	85	87	11.074	78,220	249,951	3,195	2,728
36	38	96.541	11.849,534	177.111,494	14,947	14,479	86	88	8.634	57,530	171,731	2,985	2,517
37	39	96.365	11.158,375	165.261,960	14,811	14,343	87	89	6.505	40,891	114,201	2,793	2,325
38	40	96.171	10.505,637	154.103,585	14,669	14,201	88	90	4.709	27,924	73,310	2,625	2,157
39	41	95.955	9.888,711	143.597,948	14,521	14,053	89	91	3.287	18,390	45,386	2,468	2,000
40	42	95.713	9.305,387	133.709,236	14,369	13,901	90	92	2.191	11,563	26,996	2,335	1,867
41	43	95.440	8.753,692	124.403,849	14,212	13,744	91	93	1.403	6,986	15,433	2,209	1,741
42	44	95.135	8.231,813	115.650,157	14,049	13,581	92	94	857	4,027	8,447	2,098	1,630
43	45	94.793	7.737,947	107.418,344	13,882	13,414	93	95	500	2,214	4,420	1,996	1,528
44	46	94.409	7.270,330	99.680,396	13,711	13,243	94	96	277	1,159	2,206	1,904	1,436
45	47	93.986	6.828,116	92.410,066	13,534	13,066	95	97	146	0,575	1,047	1,820	1,352
46	48	93.515	6.409,309	85.581,950	13,353	12,885	96	98	73	0,271	0,472	1,744	1,276
47	49	93.000	6.013,220	79.172,641	13,166	12,698	97	99	34	0,120	0,201	1,674	1,206
48	50	92.428	5.637,985	73.159,421	12,976	12,508	98	100	15	0,050	0,081	1,611	1,143
49	51	91.818	5.283,756	67.521,436	12,779	12,311	99	101	6	0,020	0,031	1,553	1,085
							100	102	2	0,007	0,011	1,501	1,033

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -3 Jahre

Zinsfuß 6,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	3	99.565	99.564,939	1.705.358,110	17,128	16,660	50	53	90.877	4.933,561	61.626,654	12,491	12,023
1	4	99.094	93.484,605	1.605.793,171	17,177	16,709	51	54	90.141	4.616,616	56.693,093	12,280	11,812
2	5	99.041	88.146,009	1.512.308,565	17,157	16,689	52	55	89.362	4.317,664	52.076,478	12,061	11,593
3	6	99.008	83.129,002	1.424.162,557	17,132	16,664	53	56	88.502	4.034,044	47.758,814	11,839	11,371
4	7	98.981	78.402,055	1.341.033,555	17,105	16,637	54	57	87.592	3.766,598	43.724,770	11,609	11,141
5	8	98.959	73.947,843	1.262.631,500	17,075	16,607	55	58	86.609	3.513,515	39.958,172	11,373	10,905
6	9	98.936	69.745,868	1.188.683,656	17,043	16,575	56	59	85.547	3.273,983	36.444,657	11,132	10,664
7	10	98.918	65.786,068	1.118.937,789	17,009	16,541	57	60	84.446	3.048,896	33.170,675	10,880	10,412
8	11	98.897	62.049,447	1.053.151,720	16,973	16,505	58	61	83.254	2.835,733	30.121,779	10,622	10,154
9	12	98.876	58.524,765	991.102,273	16,935	16,467	59	62	81.997	2.634,814	27.286,046	10,356	9,888
10	13	98.859	55.202,187	932.577,508	16,894	16,426	60	63	80.624	2.444,069	24.651,231	10,086	9,618
11	14	98.840	52.067,596	877.375,321	16,851	16,383	61	64	79.174	2.264,260	22.207,162	9,808	9,340
12	15	98.814	49.107,554	825.307,725	16,806	16,338	62	65	77.651	2.095,004	19.942,902	9,519	9,051
13	16	98.783	46.313,555	776.200,171	16,760	16,292	63	66	75.980	1.933,872	17.847,898	9,229	8,761
14	17	98.750	43.677,116	729.886,616	16,711	16,243	64	67	74.204	1.781,759	15.914,026	8,932	8,464
15	18	98.710	41.188,161	686.209,500	16,660	16,192	65	68	72.290	1.637,561	14.132,266	8,630	8,162
16	19	98.658	38.836,417	645.021,339	16,609	16,141	66	69	70.212	1.500,453	12.494,706	8,327	7,859
17	20	98.593	36.613,944	606.184,922	16,556	16,088	67	70	67.990	1.370,722	10.994,253	8,021	7,553
18	21	98.512	34.513,044	569.570,978	16,503	16,035	68	71	65.588	1.247,449	9.623,530	7,715	7,247
19	22	98.413	32.526,819	535.057,934	16,450	15,982	69	72	62.999	1.130,390	8.376,082	7,410	6,942
20	23	98.307	30.652,663	502.531,114	16,394	15,926	70	73	60.270	1.020,213	7.245,691	7,102	6,634
21	24	98.207	28.888,082	471.878,452	16,335	15,867	71	74	57.358	915,969	6.225,479	6,797	6,329
22	25	98.103	27.224,141	442.990,369	16,272	15,804	72	75	54.288	817,860	5.309,510	6,492	6,024
23	26	98.005	25.657,473	415.766,228	16,204	15,737	73	76	51.018	725,102	4.491,650	6,195	5,727
24	27	97.905	24.180,450	390.108,756	16,133	15,665	74	77	47.620	638,494	3.766,548	5,899	5,431
25	28	97.806	22.788,551	365.928,305	16,058	15,590	75	78	44.115	558,015	3.128,054	5,606	5,138
26	29	97.705	21.476,531	343.139,755	15,977	15,509	76	79	40.516	483,481	2.570,039	5,316	4,848
27	30	97.607	20.240,462	321.663,224	15,892	15,424	77	80	36.875	415,131	2.086,558	5,026	4,558
28	31	97.505	19.074,872	301.422,762	15,802	15,334	78	81	33.159	352,162	1.671,427	4,746	4,278
29	32	97.398	17.975,512	282.347,890	15,707	15,239	79	82	29.410	294,666	1.319,264	4,477	4,009
30	33	97.295	16.940,077	264.372,378	15,606	15,138	80	83	25.677	242,706	1.024,599	4,222	3,754
31	34	97.185	15.963,149	247.432,301	15,500	15,032	81	84	22.066	196,764	781,892	3,974	3,506
32	35	97.063	15.040,627	231.469,152	15,390	14,922	82	85	18.626	156,693	585,128	3,734	3,266
33	36	96.934	14.170,388	216.428,525	15,273	14,805	83	86	15.413	122,318	428,436	3,503	3,035
34	37	96.794	13.349,011	202.258,136	15,152	14,684	84	87	12.447	93,188	306,117	3,285	2,817
35	38	96.642	12.573,664	188.909,125	15,024	14,556	85	88	9.769	68,999	212,929	3,086	2,618
36	39	96.474	11.841,245	176.335,461	14,892	14,424	86	89	7.498	49,963	143,930	2,881	2,413
37	40	96.288	11.149,446	164.494,216	14,754	14,286	87	90	5.541	34,830	93,967	2,698	2,230
38	41	96.088	10.496,498	153.344,771	14,609	14,141	88	91	3.939	23,359	59,137	2,532	2,064
39	42	95.860	9.878,936	142.848,273	14,460	13,992	89	92	2.671	14,944	35,777	2,394	1,926
40	43	95.605	9.294,921	132.969,336	14,306	13,838	90	93	1.741	9,188	20,833	2,267	1,799
41	44	95.316	8.742,330	123.674,415	14,147	13,679	91	94	1.089	5,421	11,645	2,148	1,680
42	45	95.003	8.220,355	114.932,085	13,981	13,513	92	95	649	3,048	6,224	2,042	1,574
43	46	94.643	7.725,675	106.711,730	13,813	13,345	93	96	368	1,632	3,176	1,946	1,478
44	47	94.239	7.257,273	98.986,055	13,640	13,172	94	97	199	0,831	1,544	1,858	1,390
45	48	93.804	6.814,837	91.728,783	13,460	12,992	95	98	102	0,401	0,713	1,778	1,310
46	49	93.317	6.395,722	84.913,945	13,277	12,809	96	99	49	0,183	0,312	1,706	1,238
47	50	92.776	5.998,748	78.518,224	13,089	12,621	97	100	22	0,079	0,129	1,640	1,172
48	51	92.195	5.623,740	72.519,476	12,895	12,427	98	101	10	0,032	0,050	1,580	1,112
49	52	91.563	5.269,082	66.895,736	12,696	12,228	99	102	4	0,012	0,018	1,525	1,057
							100	103	1	0,004	0,006	1,475	1,007

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -4 Jahre

Zinsfuß 6,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	4	99.548	99.547,849	1.704.227,753	17,120	16,652	50	54	90.590	4.917,983	60.969,504	12,397	11,929
1	5	99.081	93.472,531	1.604.679,904	17,167	16,699	51	55	89.828	4.600,558	56.051,521	12,184	11,716
2	6	99.028	88.134,486	1.511.207,373	17,147	16,679	52	56	89.024	4.301,313	51.450,963	11,962	11,494
3	7	98.999	83.121,342	1.423.072,887	17,120	16,652	53	57	88.146	4.017,848	47.149,650	11,735	11,267
4	8	98.972	78.395,227	1.339.951,545	17,092	16,624	54	58	87.201	3.749,787	43.131,802	11,502	11,035
5	9	98.949	73.940,745	1.261.556,318	17,062	16,594	55	59	86.192	3.496,595	39.382,015	11,263	10,795
6	10	98.929	69.741,361	1.187.615,573	17,029	16,561	56	60	85.112	3.257,339	35.885,419	11,017	10,549
7	11	98.910	65.780,536	1.117.874,212	16,994	16,526	57	61	83.981	3.032,114	32.628,081	10,761	10,293
8	12	98.888	62.043,628	1.052.093,676	16,957	16,489	58	62	82.786	2.819,776	29.595,967	10,496	10,028
9	13	98.868	58.519,795	990.050,048	16,918	16,450	59	63	81.481	2.618,234	26.776,191	10,227	9,759
10	14	98.849	55.196,838	931.530,253	16,877	16,409	60	64	80.076	2.427,445	24.157,958	9,952	9,484
11	15	98.828	52.061,529	876.333,415	16,833	16,365	61	65	78.595	2.247,702	21.730,513	9,668	9,200
12	16	98.796	49.098,780	824.271,886	16,788	16,320	62	66	77.017	2.077,893	19.482,811	9,376	8,908
13	17	98.763	46.303,747	775.173,106	16,741	16,273	63	67	75.292	1.916,358	17.404,917	9,082	8,614
14	18	98.728	43.667,506	728.869,359	16,691	16,223	64	68	73.449	1.763,648	15.488,559	8,782	8,314
15	19	98.681	41.176,315	685.201,852	16,641	16,173	65	69	71.463	1.618,831	13.724,912	8,478	8,010
16	20	98.631	38.825,652	644.025,537	16,588	16,120	66	70	69.316	1.481,310	12.106,081	8,173	7,705
17	21	98.562	36.602,379	605.199,886	16,534	16,066	67	71	67.023	1.351,240	10.624,771	7,863	7,395
18	22	98.488	34.504,600	568.597,506	16,479	16,011	68	72	64.524	1.227,225	9.273,531	7,557	7,089
19	23	98.386	32.518,013	534.092,906	16,425	15,957	69	73	61.863	1.110,010	8.046,306	7,249	6,781
20	24	98.282	30.644,665	501.574,893	16,367	15,899	70	74	59.042	999,428	6.936,296	6,940	6,472
21	25	98.180	28.880,234	470.930,228	16,306	15,838	71	75	56.053	895,120	5.936,868	6,632	6,165
22	26	98.079	27.217,442	442.049,994	16,241	15,773	72	76	52.880	796,655	5.041,748	6,329	5,861
23	27	97.978	25.650,290	414.832,552	16,173	15,705	73	77	49.542	704,112	4.245,093	6,029	5,561
24	28	97.877	24.173,403	389.182,262	16,100	15,632	74	78	46.071	617,722	3.540,981	5,732	5,264
25	29	97.776	22.781,787	365.008,859	16,022	15,554	75	79	42.480	537,334	2.923,259	5,440	4,972
26	30	97.676	21.470,244	342.227,072	15,940	15,472	76	80	38.812	463,143	2.385,925	5,152	4,684
27	31	97.575	20.233,835	320.756,828	15,852	15,385	77	81	35.079	394,908	1.922,782	4,869	4,401
28	32	97.470	19.068,058	300.522,993	15,761	15,293	78	82	31.311	332,532	1.527,874	4,595	4,127
29	33	97.364	17.969,120	281.454,935	15,663	15,195	79	83	27.509	275,623	1.195,343	4,337	3,869
30	34	97.256	16.933,308	263.485,815	15,560	15,092	80	84	23.837	225,315	919,719	4,082	3,614
31	35	97.140	15.955,665	246.552,506	15,452	14,984	81	85	20.293	180,951	694,405	3,838	3,370
32	36	97.013	15.032,927	230.596,841	15,339	14,871	82	86	17.009	143,088	513,453	3,588	3,120
33	37	96.879	14.162,375	215.563,914	15,221	14,753	83	87	13.859	109,987	370,365	3,367	2,899
34	38	96.735	13.340,825	201.401,539	15,097	14,629	84	88	10.980	82,204	260,379	3,167	2,700
35	39	96.575	12.564,869	188.060,713	14,967	14,499	85	89	8.484	59,924	178,175	2,973	2,505
36	40	96.396	11.831,769	175.495,845	14,833	14,365	86	90	6.387	42,557	118,251	2,779	2,311
37	41	96.204	11.139,746	163.664,076	14,692	14,224	87	91	4.635	29,137	75,694	2,598	2,130
38	42	95.993	10.486,122	152.524,330	14,545	14,077	88	92	3.201	18,982	46,557	2,453	1,985
39	43	95.753	9.867,826	142.038,208	14,394	13,926	89	93	2.122	11,874	27,575	2,322	1,854
40	44	95.481	9.282,856	132.170,382	14,238	13,770	90	94	1.351	7,130	15,701	2,202	1,734
41	45	95.184	8.730,160	122.887,526	14,076	13,608	91	95	824	4,103	8,571	2,089	1,621
42	46	94.852	8.207,317	114.157,365	13,909	13,441	92	96	478	2,247	4,467	1,988	1,520
43	47	94.473	7.711,800	105.950,048	13,739	13,271	93	97	264	1,171	2,221	1,897	1,429
44	48	94.056	7.243,160	98.238,248	13,563	13,095	94	98	138	0,579	1,050	1,814	1,346
45	49	93.605	6.800,390	90.995,088	13,381	12,913	95	99	69	0,271	0,471	1,738	1,270
46	50	93.092	6.380,329	84.194,698	13,196	12,728	96	100	32	0,120	0,200	1,669	1,201
47	51	92.542	5.983,591	77.814,369	13,005	12,537	97	101	14	0,050	0,080	1,606	1,138
48	52	91.939	5.608,122	71.830,778	12,808	12,340	98	102	6	0,020	0,030	1,549	1,081
49	53	91.287	5.253,152	66.222,656	12,606	12,138	99	103	2	0,007	0,011	1,497	1,029
							100	104	1	0,002	0,004	1,450	0,982

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -5 Jahre

Zinsfuß 6,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	5	99.535	99.534,992	1.703.020,707	17,110	16,642	50	55	90.275	4.900,877	60.263,188	12,296	11,828
1	6	99.068	93.460,312	1.603.485,715	17,157	16,689	51	56	89.487	4.583,136	55.362,312	12,080	11,612
2	7	99.019	88.126,365	1.510.025,403	17,135	16,667	52	57	88.666	4.284,045	50.779,175	11,853	11,385
3	8	98.990	83.114,103	1.421.899,038	17,108	16,640	53	58	87.753	3.999,916	46.495,131	11,624	11,156
4	9	98.963	78.387,702	1.338.784,935	17,079	16,611	54	59	86.781	3.731,730	42.495,214	11,388	10,920
5	10	98.943	73.935,967	1.260.397,234	17,047	16,579	55	60	85.754	3.478,819	38.763,485	11,143	10,675
6	11	98.921	69.735,496	1.186.461,266	17,014	16,546	56	61	84.644	3.239,409	35.284,665	10,892	10,424
7	12	98.900	65.774,367	1.116.725,770	16,978	16,510	57	62	83.508	3.015,051	32.045,256	10,628	10,160
8	13	98.880	62.038,359	1.050.951,403	16,940	16,472	58	63	82.265	2.802,031	29.030,205	10,360	9,892
9	14	98.858	58.514,125	988.913,044	16,900	16,432	59	64	80.926	2.600,425	26.228,174	10,086	9,618
10	15	98.838	55.190,407	930.398,919	16,858	16,390	60	65	79.490	2.409,693	23.627,749	9,805	9,337
11	16	98.811	52.052,227	875.208,513	16,814	16,346	61	66	77.953	2.229,344	21.218,056	9,518	9,050
12	17	98.775	49.088,382	823.156,286	16,769	16,301	62	67	76.320	2.059,075	18.988,712	9,222	8,754
13	18	98.741	46.293,559	774.067,903	16,721	16,253	63	68	74.526	1.896,878	16.929,637	8,925	8,457
14	19	98.700	43.654,948	727.774,344	16,671	16,203	64	69	72.609	1.743,476	15.032,758	8,622	8,154
15	20	98.654	41.164,901	684.119,396	16,619	16,151	65	70	70.552	1.598,178	13.289,283	8,315	7,847
16	21	98.600	38.813,388	642.954,495	16,565	16,097	66	71	68.331	1.460,255	11.691,105	8,006	7,538
17	22	98.538	36.593,424	604.141,107	16,510	16,042	67	72	65.937	1.329,333	10.230,850	7,696	7,228
18	23	98.461	34.495,258	567.547,683	16,453	15,985	68	73	63.361	1.205,099	8.901,517	7,387	6,919
19	24	98.361	32.509,529	533.052,425	16,397	15,929	69	74	60.603	1.087,397	7.696,418	7,078	6,610
20	25	98.255	30.636,340	500.542,896	16,338	15,870	70	75	57.698	976,680	6.609,021	6,767	6,299
21	26	98.156	28.873,128	469.906,556	16,275	15,807	71	76	54.600	871,911	5.632,341	6,460	5,992
22	27	98.052	27.209,822	441.033,429	16,209	15,741	72	77	51.349	773,593	4.760,430	6,154	5,686
23	28	97.949	25.642,814	413.823,607	16,138	15,670	73	78	47.930	681,205	3.986,837	5,853	5,385
24	29	97.847	24.166,228	388.180,792	16,063	15,595	74	79	44.363	594,828	3.305,631	5,557	5,089
25	30	97.748	22.775,118	364.014,564	15,983	15,515	75	80	40.693	514,730	2.710,804	5,266	4,798
26	31	97.644	21.463,215	341.239,446	15,899	15,431	76	81	36.921	440,581	2.196,073	4,984	4,517
27	32	97.540	20.226,607	319.776,231	15,810	15,342	77	82	33.124	372,894	1.755,492	4,708	4,240
28	33	97.435	19.061,278	299.549,624	15,715	15,247	78	83	29.287	311,042	1.382,598	4,445	3,977
29	34	97.325	17.961,940	280.488,346	15,616	15,148	79	84	25.538	255,873	1.071,556	4,188	3,720
30	35	97.211	16.925,370	262.526,406	15,511	15,043	80	85	21.922	207,208	815,683	3,937	3,469
31	36	97.090	15.947,496	245.601,036	15,401	14,933	81	86	18.531	165,240	608,475	3,682	3,214
32	37	96.958	15.024,427	229.653,540	15,285	14,817	82	87	15.294	128,663	443,234	3,445	2,977
33	38	96.820	14.153,691	214.629,113	15,164	14,696	83	88	12.225	97,022	314,572	3,242	2,774
34	39	96.667	13.331,493	200.475,422	15,038	14,570	84	89	9.535	71,392	217,550	3,047	2,579
35	40	96.497	12.554,813	187.143,929	14,906	14,438	85	90	7.226	51,042	146,158	2,863	2,396
36	41	96.313	11.821,475	174.589,115	14,769	14,301	86	91	5.343	35,601	95,116	2,672	2,204
37	42	96.109	11.128,734	162.767,640	14,626	14,158	87	92	3.766	23,676	59,516	2,514	2,046
38	43	95.885	10.474,329	151.638,906	14,477	14,009	88	93	2.543	15,083	35,839	2,376	1,908
39	44	95.628	9.855,017	141.164,577	14,324	13,856	89	94	1.647	9,215	20,756	2,253	1,785
40	45	95.348	9.269,935	131.309,560	14,165	13,697	90	95	1.022	5,396	11,542	2,139	1,671
41	46	95.033	8.716,314	122.039,625	14,001	13,533	91	96	608	3,025	6,145	2,031	1,563
42	47	94.682	8.192,577	113.323,311	13,832	13,364	92	97	343	1,611	3,120	1,936	1,468
43	48	94.289	7.696,803	105.130,734	13,659	13,191	93	98	184	0,816	1,509	1,850	1,382
44	49	93.857	7.227,805	97.433,931	13,480	13,012	94	99	94	0,391	0,693	1,771	1,303
45	50	93.379	6.784,024	90.206,126	13,297	12,829	95	100	45	0,178	0,302	1,699	1,231
46	51	92.857	6.364,208	83.422,102	13,108	12,640	96	101	20	0,076	0,124	1,634	1,166
47	52	92.285	5.966,973	77.057,894	12,914	12,446	97	102	9	0,031	0,048	1,574	1,106
48	53	91.661	5.591,167	71.090,921	12,715	12,247	98	103	3	0,012	0,018	1,520	1,052
49	54	90.998	5.236,565	65.499,754	12,508	12,040	99	104	1	0,004	0,006	1,471	1,003
							100	105	0	0,001	0,002	1,426	0,958

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -6 Jahre

Zinsfuß 6,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	6	99.522	99.521,980	1.701.726,985	17,099	16,631	50	56	89.933	4.882,318	59.505,536	12,188	11,720
1	7	99.059	93.451,700	1.602.205,005	17,145	16,677	51	57	89.128	4.564,736	54.623,218	11,966	11,498
2	8	99.010	88.118,690	1.508.753,305	17,122	16,654	52	58	88.271	4.264,924	50.058,482	11,737	11,269
3	9	98.981	83.106,125	1.420.634,615	17,094	16,626	53	59	87.330	3.980,654	45.793,557	11,504	11,036
4	10	98.956	78.382,637	1.337.528,490	17,064	16,596	54	60	86.340	3.712,758	41.812,903	11,262	10,794
5	11	98.935	73.929,750	1.259.145,854	17,032	16,564	55	61	85.282	3.459,671	38.100,145	11,013	10,545
6	12	98.912	69.728,956	1.185.216,104	16,997	16,530	56	62	84.167	3.221,180	34.640,474	10,754	10,286
7	13	98.892	65.768,781	1.115.487,147	16,961	16,493	57	63	82.983	2.996,078	31.419,294	10,487	10,019
8	14	98.870	62.032,348	1.049.718,366	16,922	16,454	58	64	81.705	2.782,972	28.423,216	10,213	9,745
9	15	98.847	58.507,306	987.686,018	16,881	16,413	59	65	80.335	2.581,408	25.640,244	9,933	9,465
10	16	98.820	55.180,546	929.178,712	16,839	16,371	60	66	78.841	2.390,012	23.058,835	9,648	9,180
11	17	98.790	52.041,204	873.998,166	16,794	16,326	61	67	77.247	2.209,154	20.668,823	9,356	8,888
12	18	98.754	49.077,582	821.956,963	16,748	16,280	62	68	75.544	2.038,144	18.459,669	9,057	8,589
13	19	98.712	46.280,246	772.879,381	16,700	16,232	63	69	73.674	1.875,183	16.421,525	8,757	8,289
14	20	98.672	43.642,847	726.599,135	16,649	16,181	64	70	71.683	1.721,232	14.546,342	8,451	7,983
15	21	98.623	41.151,899	682.956,288	16,596	16,128	65	71	69.549	1.575,462	12.825,110	8,141	7,673
16	22	98.576	38.803,892	641.804,390	16,540	16,072	66	72	67.223	1.436,581	11.249,648	7,831	7,363
17	23	98.511	36.583,516	603.000,498	16,483	16,015	67	73	64.748	1.305,366	9.813,067	7,517	7,050
18	24	98.435	34.486,258	566.416,982	16,424	15,956	68	74	62.070	1.180,548	8.507,701	7,207	6,739
19	25	98.334	32.500,696	531.930,723	16,367	15,899	69	75	59.223	1.062,646	7.327,152	6,895	6,427
20	26	98.231	30.628,801	499.430,027	16,306	15,838	70	76	56.202	951,357	6.264,506	6,585	6,117
21	27	98.129	28.865,044	468.801,226	16,241	15,773	71	77	53.019	846,671	5.313,150	6,275	5,807
22	28	98.023	27.201,892	439.936,181	16,173	15,705	72	78	49.679	748,426	4.466,479	5,968	5,500
23	29	97.920	25.635,203	412.734,289	16,100	15,632	73	79	46.153	655,959	3.718,053	5,668	5,200
24	30	97.819	24.159,155	387.099,086	16,023	15,555	74	80	42.497	569,806	3.062,094	5,374	4,906
25	31	97.716	22.767,661	362.939,931	15,941	15,473	75	81	38.711	489,656	2.492,288	5,090	4,622
26	32	97.610	21.455,548	340.172,270	15,855	15,387	76	82	34.863	416,022	2.002,633	4,814	4,346
27	33	97.505	20.219,415	318.716,722	15,763	15,295	77	83	30.983	348,796	1.586,611	4,549	4,081
28	34	97.396	19.053,662	298.497,307	15,666	15,198	78	84	27.188	288,753	1.237,815	4,287	3,819
29	35	97.279	17.953,519	279.443,645	15,565	15,097	79	85	23.486	235,311	949,062	4,033	3,565
30	36	97.161	16.916,705	261.490,126	15,458	14,990	80	86	20.018	189,217	713,751	3,772	3,304
31	37	97.035	15.938,479	244.573,421	15,345	14,877	81	87	16.663	148,582	524,534	3,530	3,062
32	38	96.899	15.015,213	228.634,943	15,227	14,759	82	88	13.492	113,496	375,952	3,312	2,844
33	39	96.752	14.143,790	213.619,729	15,103	14,635	83	89	10.617	84,261	262,456	3,115	2,647
34	40	96.590	13.320,825	199.475,939	14,975	14,507	84	90	8.122	60,810	178,195	2,930	2,462
35	41	96.413	12.543,891	186.155,115	14,840	14,372	85	91	6.045	42,698	117,385	2,749	2,281
36	42	96.217	11.809,790	173.611,224	14,701	14,233	86	92	4.341	28,929	74,687	2,582	2,114
37	43	96.001	11.116,218	161.801,434	14,555	14,087	87	93	2.993	18,814	45,758	2,432	1,964
38	44	95.760	10.460,733	150.685,215	14,405	13,937	88	94	1.974	11,705	26,944	2,302	1,834
39	45	95.495	9.841,299	140.224,483	14,249	13,781	89	95	1.247	6,974	15,240	2,185	1,717
40	46	95.197	9.255,232	130.383,184	14,088	13,620	90	96	754	3,978	8,265	2,078	1,610
41	47	94.862	8.700,660	121.127,951	13,922	13,454	91	97	436	2,169	4,287	1,976	1,508
42	48	94.498	8.176,645	112.427,291	13,750	13,282	92	98	239	1,123	2,117	1,886	1,418
43	49	94.089	7.680,486	104.250,646	13,573	13,105	93	99	124	0,551	0,995	1,804	1,336
44	50	93.631	7.210,410	96.570,160	13,393	12,925	94	100	61	0,256	0,443	1,730	1,262
45	51	93.144	6.766,883	89.359,750	13,205	12,737	95	101	29	0,113	0,187	1,662	1,194
46	52	92.599	6.346,533	82.592,867	13,014	12,546	96	102	13	0,047	0,074	1,600	1,132
47	53	92.006	5.948,934	76.246,334	12,817	12,349	97	103	5	0,018	0,028	1,543	1,075
48	54	91.371	5.573,513	70.297,400	12,613	12,145	98	104	2	0,007	0,010	1,492	1,024
49	55	90.682	5.218,351	64.723,887	12,403	11,935	99	105	1	0,002	0,003	1,445	0,977
							100	106					

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -7 Jahre

Zinsfuß 6,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	7	99.513	99.512,810	1.700.340,764	17,087	16,619	50	57	89.572	4.862,717	58.694,265	12,070	11,602
1	8	99.050	93.443,562	1.600.827,955	17,131	16,664	51	58	88.730	4.544,363	53.831,548	11,846	11,378
2	9	99.001	88.110,231	1.507.384,393	17,108	16,640	52	59	87.846	4.244,386	49.287,184	11,612	11,144
3	10	98.974	83.100,754	1.419.274,162	17,079	16,611	53	60	86.886	3.960,417	45.042,798	11,373	10,905
4	11	98.948	78.376,045	1.336.173,407	17,048	16,580	54	61	85.865	3.692,322	41.082,381	11,126	10,658
5	12	98.925	73.922,817	1.257.797,362	17,015	16,547	55	62	84.802	3.440,202	37.390,058	10,869	10,401
6	13	98.903	69.723,034	1.183.874,545	16,980	16,512	56	63	83.638	3.200,910	33.949,856	10,606	10,138
7	14	98.882	65.762,409	1.114.151,511	16,942	16,474	57	64	82.418	2.975,699	30.748,947	10,333	9,865
8	15	98.859	62.025,120	1.048.389,102	16,903	16,435	58	65	81.108	2.762,621	27.773,248	10,053	9,585
9	16	98.829	58.496,853	986.363,982	16,862	16,394	59	66	79.679	2.560,325	25.010,627	9,769	9,301
10	17	98.799	55.168,860	927.867,129	16,819	16,351	60	67	78.127	2.368,367	22.450,302	9,479	9,011
11	18	98.768	52.029,754	872.698,269	16,773	16,305	61	68	76.462	2.186,698	20.081,935	9,184	8,716
12	19	98.725	49.063,468	820.668,516	16,727	16,259	62	69	74.680	2.014,833	17.895,237	8,882	8,414
13	20	98.685	46.267,416	771.605,048	16,677	16,209	63	70	72.734	1.851,259	15.880,404	8,578	8,110
14	21	98.641	43.629,062	725.337,632	16,625	16,157	64	71	70.664	1.696,768	14.029,145	8,268	7,800
15	22	98.599	41.141,830	681.708,570	16,570	16,102	65	72	68.421	1.549,920	12.332,378	7,957	7,489
16	23	98.549	38.793,386	640.566,740	16,512	16,044	66	73	66.011	1.410,681	10.782,458	7,643	7,175
17	24	98.485	36.573,972	601.773,354	16,454	15,986	67	74	63.429	1.278,773	9.371,777	7,329	6,861
18	25	98.409	34.476,889	565.199,383	16,394	15,926	68	75	60.657	1.153,677	8.093,004	7,015	6,547
19	26	98.310	32.492,699	530.722,493	16,334	15,866	69	76	57.688	1.035,094	6.939,327	6,704	6,236
20	27	98.203	30.620,226	498.229,794	16,271	15,803	70	77	54.575	923,817	5.904,233	6,391	5,923
21	28	98.100	28.856,632	467.609,568	16,205	15,737	71	78	51.294	819,127	4.980,416	6,080	5,612
22	29	97.994	27.193,818	438.752,936	16,134	15,666	72	79	47.838	720,688	4.161,290	5,774	5,306
23	30	97.891	25.627,699	411.559,117	16,059	15,591	73	80	44.212	628,365	3.440,602	5,475	5,008
24	31	97.787	24.151,244	385.931,418	15,980	15,512	74	81	40.427	542,048	2.812,237	5,188	4,720
25	32	97.681	22.759,528	361.780,173	15,896	15,428	75	82	36.553	462,360	2.270,189	4,910	4,442
26	33	97.575	21.447,919	339.020,645	15,807	15,339	76	83	32.610	389,137	1.807,829	4,646	4,178
27	34	97.466	20.211,336	317.572,726	15,713	15,245	77	84	28.763	323,802	1.418,692	4,381	3,913
28	35	97.351	19.044,729	297.361,391	15,614	15,146	78	85	25.004	265,549	1.094,890	4,123	3,655
29	36	97.229	17.944,328	278.316,662	15,510	15,042	79	86	21.447	214,880	829,341	3,860	3,392
30	37	97.106	16.907,139	260.372,334	15,400	14,932	80	87	18.000	170,141	614,461	3,611	3,144
31	38	96.976	15.928,705	243.465,195	15,285	14,817	81	88	14.698	131,067	444,320	3,390	2,922
32	39	96.831	15.004,710	227.536,490	15,164	14,696	82	89	11.717	98,568	313,253	3,178	2,710
33	40	96.674	14.132,471	212.531,780	15,039	14,571	83	90	9.044	71,771	214,684	2,991	2,523
34	41	96.506	13.309,236	198.399,308	14,907	14,439	84	91	6.794	50,870	142,913	2,809	2,341
35	42	96.318	12.531,491	185.090,073	14,770	14,302	85	92	4.912	34,697	92,043	2,653	2,185
36	43	96.109	11.796,508	172.558,581	14,628	14,160	86	93	3.450	22,987	57,347	2,495	2,027
37	44	95.876	11.101,789	160.762,073	14,481	14,013	87	94	2.322	14,599	34,359	2,353	1,886
38	45	95.627	10.446,171	149.660,284	14,327	13,859	88	95	1.494	8,859	19,760	2,231	1,763
39	46	95.344	9.825,691	139.214,113	14,168	13,700	89	96	919	5,142	10,901	2,120	1,652
40	47	95.026	9.238,610	129.388,422	14,005	13,537	90	97	541	2,853	5,760	2,019	1,551
41	48	94.678	8.683,740	120.149,812	13,836	13,368	91	98	304	1,512	2,906	1,923	1,455
42	49	94.297	8.159,311	111.466,072	13,661	13,193	92	99	162	0,759	1,395	1,838	1,370
43	50	93.863	7.662,002	103.306,760	13,483	13,015	93	100	82	0,361	0,636	1,760	1,292
44	51	93.394	7.192,191	95.644,759	13,298	12,830	94	101	39	0,163	0,275	1,690	1,222
45	52	92.885	6.748,090	88.452,567	13,108	12,640	95	102	17	0,069	0,112	1,625	1,158
46	53	92.319	6.327,347	81.704,478	12,913	12,445	96	103	7	0,028	0,043	1,567	1,099
47	54	91.715	5.930,150	75.377,131	12,711	12,243	97	104	3	0,010	0,016	1,514	1,046
48	55	91.054	5.554,127	69.446,981	12,504	12,036	98	105	1	0,004	0,005	1,465	0,997
49	56	90.339	5.198,590	63.892,855	12,290	11,822	99	106					
							100	107					

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -8 Jahre

Zinsfuß 6,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	8	99.504	99.504,143	1.698.851,714	17,073	16,605	50	58	89.172	4.841,014	57.826,616	11,945	11,477
1	9	99.041	93.434,592	1.599.347,570	17,117	16,649	51	59	88.303	4.522,479	52.985,602	11,716	11,248
2	10	98.994	88.104,538	1.505.912,978	17,092	16,624	52	60	87.399	4.222,809	48.463,123	11,477	11,009
3	11	98.966	83.093,766	1.417.808,441	17,063	16,595	53	61	86.408	3.938,618	44.240,314	11,232	10,764
4	12	98.939	78.368,695	1.334.714,674	17,031	16,563	54	62	85.382	3.671,544	40.301,696	10,977	10,509
5	13	98.917	73.916,539	1.256.345,979	16,997	16,529	55	63	84.268	3.418,553	36.630,152	10,715	10,247
6	14	98.894	69.716,279	1.182.429,440	16,961	16,493	56	64	83.069	3.179,138	33.211,598	10,447	9,979
7	15	98.871	65.754,746	1.112.713,161	16,922	16,454	57	65	81.816	2.953,938	30.032,461	10,167	9,699
8	16	98.841	62.014,038	1.046.958,415	16,883	16,415	58	66	80.445	2.740,058	27.078,523	9,882	9,414
9	17	98.808	58.484,465	984.944,378	16,841	16,373	59	67	78.957	2.537,137	24.338,465	9,593	9,125
10	18	98.777	55.156,722	926.459,913	16,797	16,329	60	68	77.333	2.344,293	21.801,328	9,300	8,832
11	19	98.740	52.014,790	871.303,192	16,751	16,283	61	69	75.588	2.161,687	19.457,035	9,001	8,533
12	20	98.698	49.049,867	819.288,401	16,703	16,235	62	70	73.727	1.989,127	17.295,348	8,695	8,227
13	21	98.654	46.252,803	770.238,534	16,653	16,185	63	71	71.700	1.824,946	15.306,220	8,387	7,919
14	22	98.617	43.618,387	723.985,732	16,598	16,130	64	72	69.518	1.669,259	13.481,275	8,076	7,608
15	23	98.572	41.130,691	680.367,345	16,542	16,074	65	73	67.188	1.521,976	11.812,016	7,761	7,293
16	24	98.523	38.783,264	639.236,653	16,482	16,014	66	74	64.666	1.381,942	10.290,039	7,446	6,978
17	25	98.459	36.564,035	600.453,389	16,422	15,954	67	75	61.985	1.249,666	8.908,097	7,128	6,660
18	26	98.385	34.468,406	563.889,354	16,360	15,892	68	76	59.085	1.123,765	7.658,431	6,815	6,347
19	27	98.282	32.483,603	529.420,948	16,298	15,830	69	77	56.018	1.005,130	6.534,666	6,501	6,033
20	28	98.175	30.611,303	496.937,346	16,234	15,766	70	78	52.800	893,763	5.529,537	6,187	5,719
21	29	98.071	28.848,067	466.326,043	16,165	15,697	71	79	49.393	788,768	4.635,774	5,877	5,409
22	30	97.965	27.185,858	437.477,976	16,092	15,624	72	80	45.825	690,371	3.847,006	5,572	5,104
23	31	97.859	25.619,308	410.292,118	16,015	15,547	73	81	42.058	597,754	3.156,635	5,281	4,813
24	32	97.752	24.142,617	384.672,809	15,933	15,465	74	82	38.173	511,832	2.558,880	4,999	4,531
25	33	97.646	22.751,436	360.530,192	15,846	15,379	75	83	34.191	432,481	2.047,048	4,733	4,265
26	34	97.536	21.439,349	337.778,756	15,755	15,287	76	84	30.273	361,252	1.614,567	4,469	4,001
27	35	97.420	20.201,860	316.339,408	15,659	15,191	77	85	26.451	297,781	1.253,316	4,209	3,741
28	36	97.301	19.034,979	296.137,547	15,558	15,090	78	86	22.833	242,493	955,535	3,940	3,473
29	37	97.174	17.934,181	277.102,568	15,451	14,983	79	87	19.284	193,217	713,042	3,690	3,222
30	38	97.046	16.896,771	259.168,387	15,338	14,870	80	88	15.878	150,086	519,825	3,464	2,996
31	39	96.908	15.917,562	242.271,616	15,220	14,752	81	89	12.765	113,828	369,740	3,248	2,780
32	40	96.754	14.992,702	226.354,053	15,098	14,630	82	90	9.980	83,958	255,911	3,048	2,580
33	41	96.590	14.120,176	211.361,351	14,969	14,501	83	91	7.565	60,039	171,953	2,864	2,396
34	42	96.410	13.296,080	197.241,175	14,835	14,367	84	92	5.521	41,337	111,914	2,707	2,239
35	43	96.210	12.517,398	183.945,095	14,695	14,227	85	93	3.903	27,570	70,577	2,560	2,092
36	44	95.984	11.781,196	171.427,697	14,551	14,083	86	94	2.677	17,838	43,007	2,411	1,943
37	45	95.743	11.086,335	159.646,502	14,400	13,932	87	95	1.758	11,050	25,168	2,278	1,810
38	46	95.475	10.429,604	148.560,166	14,244	13,776	88	96	1.101	6,531	14,119	2,162	1,694
39	47	95.172	9.808,044	138.130,563	14,083	13,615	89	97	659	3,687	7,588	2,058	1,590
40	48	94.841	9.220,644	128.322,519	13,917	13,449	90	98	377	1,988	3,900	1,962	1,494
41	49	94.477	8.665,331	119.101,874	13,745	13,277	91	99	205	1,022	1,912	1,872	1,404
42	50	94.070	8.139,674	110.436,543	13,568	13,100	92	100	106	0,497	0,891	1,791	1,323
43	51	93.626	7.642,643	102.296,869	13,385	12,917	93	101	52	0,229	0,393	1,718	1,250
44	52	93.135	7.172,217	94.654,226	13,197	12,729	94	102	24	0,100	0,164	1,652	1,184
45	53	92.604	6.727,689	87.482,009	13,003	12,535	95	103	10	0,041	0,065	1,591	1,123
46	54	92.028	6.307,368	80.754,320	12,803	12,335	96	104	4	0,016	0,024	1,536	1,068
47	55	91.396	5.909,523	74.446,953	12,598	12,130	97	105	2	0,006	0,008	1,485	1,017
48	56	90.709	5.533,094	68.537,429	12,387	11,919	98	106					
49	57	89.976	5.177,719	63.004,335	12,168	11,700	99	107					
							100	108					

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -9 Jahre

Zinsfuß 6,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	9	99.495	99.494,592	1.697.252,515	17,059	16,591	50	59	88.743	4.817,701	56.900,900	11,811	11,343
1	10	99.034	93.428,554	1.597.757,923	17,101	16,633	51	60	87.854	4.499,488	52.083,198	11,575	11,107
2	11	98.986	88.097,129	1.504.329,369	17,076	16,608	52	61	86.918	4.199,565	47.583,710	11,331	10,863
3	12	98.957	83.085,974	1.416.232,240	17,045	16,577	53	62	85.922	3.916,454	43.384,145	11,077	10,609
4	13	98.930	78.362,040	1.333.146,266	17,013	16,545	54	63	84.845	3.648,440	39.467,690	10,818	10,350
5	14	98.907	73.909,377	1.254.784,226	16,977	16,509	55	64	83.695	3.395,301	35.819,251	10,550	10,082
6	15	98.882	69.708,155	1.180.874,850	16,940	16,472	56	65	82.461	3.155,889	32.423,950	10,274	9,806
7	16	98.853	65.742,998	1.111.166,694	16,902	16,434	57	66	81.147	2.929,812	29.268,061	9,990	9,522
8	17	98.820	62.000,905	1.045.423,697	16,861	16,393	58	67	79.717	2.715,242	26.338,249	9,700	9,232
9	18	98.787	58.471,597	983.422,792	16,819	16,351	59	68	78.154	2.511,347	23.623,007	9,407	8,939
10	19	98.749	55.140,859	924.951,195	16,774	16,306	60	69	76.448	2.317,480	21.111,659	9,110	8,642
11	20	98.712	52.000,371	869.810,336	16,727	16,259	61	70	74.623	2.134,108	18.794,180	8,807	8,339
12	21	98.667	49.034,374	817.809,965	16,678	16,210	62	71	72.679	1.960,855	16.660,071	8,496	8,028
13	22	98.630	46.241,486	768.775,591	16,625	16,157	63	72	70.538	1.795,359	14.699,217	8,187	7,719
14	23	98.590	43.606,578	722.534,105	16,569	16,101	64	73	68.265	1.639,164	12.903,857	7,872	7,404
15	24	98.546	41.119,960	678.927,527	16,511	16,043	65	74	65.819	1.490,970	11.264,694	7,555	7,087
16	25	98.496	38.772,728	637.807,567	16,450	15,982	66	75	63.194	1.350,487	9.773,723	7,237	6,769
17	26	98.434	36.555,038	599.034,839	16,387	15,919	67	76	60.378	1.217,265	8.423,237	6,920	6,452
18	27	98.357	34.458,756	562.479,801	16,323	15,855	68	77	57.374	1.091,234	7.205,972	6,604	6,136
19	28	98.254	32.474,136	528.021,045	16,260	15,792	69	78	54.195	972,430	6.114,738	6,288	5,820
20	29	98.145	30.602,217	495.546,910	16,193	15,725	70	79	50.843	860,638	5.142,308	5,975	5,507
21	30	98.042	28.839,623	464.944,693	16,122	15,654	71	80	47.315	755,588	4.281,670	5,667	5,199
22	31	97.933	27.176,957	436.105,070	16,047	15,579	72	81	43.593	656,740	3.526,082	5,369	4,901
23	32	97.824	25.610,157	408.928,113	15,967	15,499	73	82	39.714	564,433	2.869,342	5,084	4,616
24	33	97.717	24.134,033	383.317,956	15,883	15,415	74	83	35.707	478,755	2.304,908	4,814	4,346
25	34	97.607	22.742,345	359.183,923	15,794	15,326	75	84	31.741	401,490	1.826,153	4,548	4,080
26	35	97.490	21.429,297	336.441,578	15,700	15,232	76	85	27.840	332,221	1.424,663	4,288	3,820
27	36	97.370	20.191,518	315.012,281	15,601	15,133	77	86	24.155	271,926	1.092,442	4,017	3,549
28	37	97.246	19.024,216	294.820,763	15,497	15,029	78	87	20.531	218,046	820,516	3,763	3,295
29	38	97.115	17.923,184	275.796,547	15,388	14,920	79	88	17.011	170,441	602,470	3,535	3,067
30	39	96.979	16.884,952	257.873,364	15,272	14,804	80	89	13.790	130,345	432,029	3,314	2,847
31	40	96.830	15.904,824	240.988,412	15,152	14,684	81	90	10.873	96,956	301,684	3,112	2,644
32	41	96.670	14.979,659	225.083,588	15,026	14,558	82	91	8.349	70,234	204,728	2,915	2,447
33	42	96.495	14.106,219	210.103,929	14,894	14,426	83	92	6.148	48,788	134,493	2,757	2,289
34	43	96.302	13.281,126	195.997,710	14,758	14,290	84	93	4.387	32,846	85,705	2,609	2,141
35	44	96.085	12.501,150	182.716,584	14,616	14,148	85	94	3.029	21,395	52,859	2,471	2,003
36	45	95.851	11.764,796	170.215,434	14,468	14,000	86	95	2.026	13,501	31,464	2,330	1,863
37	46	95.591	11.068,752	158.450,638	14,315	13,847	87	96	1.296	8,146	17,963	2,205	1,737
38	47	95.304	10.410,872	147.381,886	14,157	13,689	88	97	790	4,684	9,817	2,096	1,628
39	48	94.987	9.788,971	136.971,013	13,992	13,524	89	98	459	2,569	5,133	1,998	1,530
40	49	94.640	9.201,097	127.182,043	13,822	13,355	90	99	255	1,344	2,564	1,908	1,440
41	50	94.250	8.644,476	117.980,946	13,648	13,180	91	100	134	0,669	1,220	1,823	1,355
42	51	93.833	8.119,108	109.336,469	13,467	12,999	92	101	67	0,315	0,551	1,747	1,279
43	52	93.366	7.621,417	101.217,361	13,281	12,813	93	102	32	0,140	0,235	1,678	1,210
44	53	92.853	7.150,534	93.595,944	13,089	12,621	94	103	14	0,059	0,095	1,615	1,147
45	54	92.312	6.706,446	86.445,410	12,890	12,422	95	104	6	0,023	0,036	1,558	1,090
46	55	91.707	6.285,429	79.738,964	12,686	12,218	96	105	2	0,009	0,013	1,505	1,037
47	56	91.050	5.887,145	73.453,535	12,477	12,009	97	106					
48	57	90.345	5.510,880	67.566,390	12,261	11,793	98	107					
49	58	89.574	5.154,610	62.055,510	12,039	11,571	99	108					
							100	109					

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -10 Jahre

Zinsfuß 6,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	10	99.488	99.488,163	1.695.537,004	17,043	16,575	50	60	88.292	4.793,209	55.914,909	11,665	11,197
1	11	99.026	93.420,698	1.596.048,841	17,085	16,617	51	61	87.371	4.474,722	51.121,699	11,425	10,957
2	12	98.977	88.088,867	1.502.628,143	17,058	16,590	52	62	86.429	4.175,933	46.646,977	11,170	10,702
3	13	98.948	83.078,918	1.414.539,276	17,026	16,558	53	63	85.381	3.891,808	42.471,045	10,913	10,445
4	14	98.921	78.354,447	1.331.460,358	16,993	16,525	54	64	84.267	3.623,624	38.579,236	10,647	10,179
5	15	98.896	73.900,765	1.253.105,911	16,957	16,489	55	65	83.083	3.370,472	34.955,612	10,371	9,903
6	16	98.865	69.695,701	1.179.205,147	16,919	16,451	56	66	81.788	3.130,114	31.585,141	10,091	9,623
7	17	98.832	65.729,075	1.109.509,446	16,880	16,412	57	67	80.412	2.903,278	28.455,027	9,801	9,333
8	18	98.798	61.987,263	1.043.780,371	16,839	16,371	58	68	78.906	2.687,642	25.551,749	9,507	9,039
9	19	98.758	58.454,781	981.793,108	16,796	16,328	59	69	77.260	2.482,624	22.864,107	9,210	8,742
10	20	98.722	55.125,574	923.338,327	16,750	16,282	60	70	75.473	2.287,913	20.381,484	8,908	8,440
11	21	98.681	51.983,947	868.212,754	16,702	16,234	61	71	73.563	2.103,775	18.093,571	8,601	8,133
12	22	98.643	49.022,377	816.228,807	16,650	16,182	62	72	71.501	1.929,065	15.989,796	8,289	7,821
13	23	98.603	46.228,966	767.206,430	16,596	16,128	63	73	69.266	1.762,990	14.060,731	7,976	7,508
14	24	98.565	43.595,200	720.977,464	16,538	16,070	64	74	66.874	1.605,770	12.297,741	7,658	7,191
15	25	98.520	41.108,789	677.382,263	16,478	16,010	65	75	64.321	1.457,033	10.691,970	7,338	6,870
16	26	98.472	38.763,187	636.273,474	16,414	15,946	66	76	61.556	1.315,472	9.234,937	7,020	6,552
17	27	98.407	36.544,804	597.510,287	16,350	15,882	67	77	58.630	1.182,027	7.919,465	6,700	6,232
18	28	98.328	34.448,713	560.965,483	16,284	15,816	68	78	55.508	1.055,733	6.737,438	6,382	5,914
19	29	98.225	32.464,497	526.516,770	16,218	15,750	69	79	52.187	936,390	5.681,705	6,068	5,600
20	30	98.117	30.593,259	494.052,273	16,149	15,681	70	80	48.704	824,434	4.745,315	5,756	5,288
21	31	98.010	28.830,180	463.459,014	16,075	15,608	71	81	45.010	718,780	3.920,881	5,455	4,987
22	32	97.898	27.167,249	434.628,834	15,998	15,530	72	82	41.163	620,131	3.202,101	5,164	4,696
23	33	97.790	25.601,051	407.461,584	15,916	15,448	73	83	37.147	527,957	2.581,970	4,890	4,423
24	34	97.678	24.124,390	381.860,533	15,829	15,361	74	84	33.148	444,449	2.054,013	4,621	4,154
25	35	97.561	22.731,683	357.736,144	15,737	15,269	75	85	29.190	369,226	1.609,564	4,359	3,891
26	36	97.440	21.418,327	335.004,461	15,641	15,173	76	86	25.423	303,376	1.240,338	4,088	3,620
27	37	97.315	20.180,100	313.586,135	15,539	15,071	77	87	21.720	244,512	936,962	3,832	3,364
28	38	97.186	19.012,550	293.406,035	15,432	14,964	78	88	18.111	192,343	692,450	3,600	3,132
29	39	97.047	17.910,646	274.393,485	15,320	14,852	79	89	14.774	148,023	500,107	3,379	2,911
30	40	96.901	16.871,439	256.482,839	15,202	14,734	80	90	11.746	111,025	352,084	3,171	2,703
31	41	96.746	15.890,987	239.611,399	15,078	14,610	81	91	9.096	81,108	241,059	2,972	2,504
32	42	96.574	14.964,852	223.720,412	14,950	14,482	82	92	6.784	57,072	159,951	2,803	2,335
33	43	96.386	14.090,354	208.755,560	14,815	14,348	83	93	4.885	38,767	102,879	2,654	2,186
34	44	96.177	13.263,887	194.665,206	14,676	14,208	84	94	3.404	25,489	64,112	2,515	2,047
35	45	95.951	12.483,748	181.401,319	14,531	14,063	85	95	2.293	16,193	38,622	2,385	1,917
36	46	95.699	11.746,137	168.917,571	14,381	13,913	86	96	1.494	9,953	22,430	2,253	1,785
37	47	95.419	11.048,873	157.171,434	14,225	13,757	87	97	929	5,842	12,476	2,136	1,668
38	48	95.118	10.390,627	146.122,561	14,063	13,595	88	98	550	3,263	6,634	2,033	1,565
39	49	94.786	9.768,219	135.731,934	13,895	13,427	89	99	310	1,737	3,371	1,941	1,473
40	50	94.412	9.178,953	125.963,716	13,723	13,255	90	100	167	0,880	1,634	1,856	1,388
41	51	94.011	8.622,635	116.784,763	13,544	13,076	91	101	85	0,424	0,753	1,776	1,308
42	52	93.572	8.096,559	108.162,128	13,359	12,891	92	102	41	0,193	0,329	1,704	1,236
43	53	93.084	7.598,376	100.065,569	13,169	12,701	93	103	19	0,083	0,136	1,639	1,171
44	54	92.560	7.127,956	92.467,193	12,972	12,505	94	104	8	0,034	0,053	1,580	1,112
45	55	91.991	6.683,119	85.339,237	12,769	12,301	95	105	3	0,013	0,019	1,526	1,058
46	56	91.360	6.261,627	78.656,118	12,562	12,094	96	106					
47	57	90.685	5.863,510	72.394,491	12,347	11,879	97	107					
48	58	89.941	5.486,285	66.530,981	12,127	11,659	98	108					
49	59	89.143	5.129,788	61.044,696	11,900	11,432	99	109					
							100	110					

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -11 Jahre

Zinsfuß 6,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	11	99.480	99.479,797	1.693.694,481	17,026	16,558	50	61	87.806	4.766,826	54.865,959	11,510	11,042
1	12	99.017	93.411,937	1.594.214,684	17,066	16,599	51	62	86.879	4.449,541	50.099,133	11,259	10,791
2	13	98.968	88.081,386	1.500.802,747	17,039	16,571	52	63	85.885	4.149,654	45.649,592	11,001	10,533
3	14	98.939	83.070,868	1.412.721,361	17,006	16,538	53	64	84.800	3.865,337	41.499,937	10,736	10,268
4	15	98.909	78.345,317	1.329.650,493	16,972	16,504	54	65	83.651	3.597,125	37.634,600	10,462	9,994
5	16	98.878	73.887,561	1.251.305,176	16,935	16,467	55	66	82.405	3.342,944	34.037,476	10,182	9,714
6	17	98.844	69.680,941	1.177.417,616	16,897	16,429	56	67	81.047	3.101,766	30.694,532	9,896	9,428
7	18	98.810	65.714,613	1.107.736,675	16,857	16,389	57	68	79.595	2.873,766	27.592,766	9,602	9,134
8	19	98.770	61.969,436	1.042.022,062	16,815	16,347	58	69	78.004	2.656,901	24.719,000	9,304	8,836
9	20	98.731	58.438,577	980.052,626	16,771	16,303	59	70	76.275	2.450,950	22.062,099	9,001	8,533
10	21	98.690	55.108,162	921.614,049	16,724	16,256	60	71	74.400	2.255,393	19.611,149	8,695	8,227
11	22	98.657	51.971,228	866.505,887	16,673	16,205	61	72	72.370	2.069,668	17.355,755	8,386	7,918
12	23	98.616	49.009,105	814.534,659	16,620	16,152	62	73	70.212	1.894,286	15.286,087	8,070	7,602
13	24	98.577	46.216,905	765.525,554	16,564	16,096	63	74	67.855	1.727,074	13.391,802	7,754	7,286
14	25	98.538	43.583,357	719.308,649	16,504	16,036	64	75	65.352	1.569,220	11.664,727	7,433	6,965
15	26	98.495	41.098,673	675.725,293	16,442	15,974	65	76	62.653	1.419,256	10.095,507	7,113	6,645
16	27	98.445	38.752,335	634.626,620	16,376	15,909	66	77	59.774	1.277,391	8.676,252	6,792	6,324
17	28	98.378	36.534,154	595.874,285	16,310	15,842	67	78	56.723	1.143,573	7.398,860	6,470	6,002
18	29	98.299	34.438,488	559.340,131	16,242	15,774	68	79	53.450	1.016,606	6.255,287	6,153	5,685
19	30	98.196	32.454,994	524.901,642	16,173	15,705	69	80	49.992	897,000	5.238,682	5,840	5,372
20	31	98.085	30.583,242	492.446,648	16,102	15,634	70	81	46.332	784,272	4.341,682	5,536	5,068
21	32	97.975	28.819,882	461.863,406	16,026	15,558	71	82	42.501	678,712	3.557,410	5,241	4,773
22	33	97.863	27.157,589	433.043,524	15,946	15,478	72	83	38.503	580,056	2.878,698	4,963	4,495
23	34	97.751	25.590,821	405.885,935	15,861	15,393	73	84	34.485	490,125	2.298,642	4,690	4,222
24	35	97.632	24.113,080	380.295,114	15,771	15,303	74	85	30.484	408,732	1.808,517	4,425	3,957
25	36	97.511	22.720,045	356.182,034	15,677	15,209	75	86	26.655	337,168	1.399,785	4,152	3,684
26	37	97.385	21.406,215	333.461,989	15,578	15,110	76	87	22.860	272,791	1.062,617	3,895	3,427
27	38	97.256	20.167,725	312.055,774	15,473	15,005	77	88	19.159	215,690	789,826	3,662	3,194
28	39	97.118	18.999,250	291.888,048	15,363	14,895	78	89	15.729	167,045	574,136	3,437	2,969
29	40	96.969	17.896,313	272.888,798	15,248	14,780	79	90	12.584	126,083	407,091	3,229	2,761
30	41	96.817	16.856,761	254.992,485	15,127	14,659	80	91	9.826	92,876	281,009	3,026	2,558
31	42	96.650	15.875,279	238.135,724	15,000	14,532	81	92	7.391	65,908	188,132	2,854	2,387
32	43	96.465	14.948,021	222.260,445	14,869	14,401	82	93	5.391	45,350	122,224	2,695	2,227
33	44	96.261	14.072,064	207.312,423	14,732	14,264	83	94	3.791	30,084	76,874	2,555	2,087
34	45	96.043	13.245,424	193.240,359	14,589	14,121	84	95	2.577	19,292	46,790	2,425	1,957
35	46	95.799	12.463,949	179.994,935	14,441	13,973	85	96	1.690	11,938	27,498	2,303	1,836
36	47	95.527	11.725,041	167.530,987	14,288	13,820	86	97	1.071	7,138	15,561	2,180	1,712
37	48	95.233	11.027,387	155.805,945	14,129	13,661	87	98	648	4,070	8,422	2,069	1,601
38	49	94.917	10.368,599	144.778,558	13,963	13,495	88	99	372	2,206	4,352	1,973	1,505
39	50	94.558	9.744,709	134.409,959	13,793	13,325	89	100	203	1,138	2,146	1,886	1,418
40	51	94.174	9.155,761	124.665,250	13,616	13,148	90	101	106	0,558	1,008	1,806	1,338
41	52	93.750	8.598,688	115.509,489	13,433	12,965	91	102	52	0,260	0,450	1,731	1,263
42	53	93.289	8.072,082	106.910,801	13,245	12,777	92	103	24	0,114	0,190	1,664	1,196
43	54	92.790	7.574,384	98.838,719	13,049	12,581	93	104	11	0,047	0,076	1,602	1,134
44	55	92.238	7.103,163	91.264,336	12,848	12,380	94	105	4	0,018	0,028	1,546	1,078
45	56	91.642	6.657,811	84.161,173	12,641	12,173	95	106					
46	57	90.993	6.236,488	77.503,361	12,427	11,959	96	107					
47	58	90.280	5.837,340	71.266,873	12,209	11,741	97	108					
48	59	89.508	5.459,865	65.429,533	11,984	11,516	98	109					
49	60	88.690	5.103,709	59.969,668	11,750	11,282	99	110					
							100	111					

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -12 Jahre

Zinsfuß 6,00%

Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	12	99.470	99.470,467	1.691.719,074	17,007	16,539	50	62	87.312	4.740,002	53.752,066	11,340	10,872
1	13	99.008	93.404,004	1.592.248,606	17,047	16,579	51	63	86.332	4.421,540	49.012,065	11,085	10,617
2	14	98.959	88.072,852	1.498.844,603	17,018	16,550	52	64	85.301	4.121,429	44.590,524	10,819	10,351
3	15	98.927	83.061,188	1.410.771,751	16,985	16,517	53	65	84.180	3.837,071	40.469,095	10,547	10,079
4	16	98.891	78.331,319	1.327.710,563	16,950	16,482	54	66	82.968	3.567,746	36.632,025	10,268	9,800
5	17	98.857	73.871,913	1.249.379,244	16,913	16,445	55	67	81.658	3.312,668	33.064,279	9,981	9,513
6	18	98.822	69.665,610	1.175.507,331	16,874	16,406	56	68	80.223	3.070,236	29.751,611	9,690	9,222
7	19	98.782	65.695,714	1.105.841,721	16,833	16,365	57	69	78.685	2.840,897	26.681,375	9,392	8,924
8	20	98.742	61.952,258	1.040.146,007	16,789	16,322	58	70	77.009	2.623,004	23.840,478	9,089	8,621
9	21	98.700	58.420,119	978.193,749	16,744	16,276	59	71	75.191	2.416,113	21.217,473	8,782	8,314
10	22	98.666	55.094,679	919.773,630	16,694	16,226	60	72	73.194	2.218,828	18.801,360	8,474	8,006
11	23	98.630	51.957,157	864.678,952	16,642	16,174	61	73	71.065	2.032,354	16.582,532	8,159	7,691
12	24	98.590	48.996,318	812.721,794	16,587	16,119	62	74	68.781	1.855,694	14.550,178	7,841	7,373
13	25	98.551	46.204,349	763.725,477	16,529	16,061	63	75	66.310	1.687,763	12.694,483	7,521	7,054
14	26	98.514	43.572,632	717.521,128	16,467	15,999	64	76	63.658	1.528,534	11.006,720	7,201	6,733
15	27	98.468	41.087,167	673.948,496	16,403	15,935	65	77	60.839	1.378,171	9.478,186	6,877	6,409
16	28	98.416	38.741,041	632.861,328	16,336	15,868	66	78	57.829	1.235,834	8.100,016	6,554	6,086
17	29	98.349	36.523,310	594.120,287	16,267	15,799	67	79	54.620	1.101,190	6.864,181	6,233	5,765
18	30	98.270	34.428,408	557.596,977	16,196	15,728	68	80	51.202	973,841	5.762,992	5,918	5,450
19	31	98.164	32.444,368	523.168,569	16,125	15,657	69	81	47.556	853,303	4.789,151	5,612	5,145
20	32	98.050	30.572,318	490.724,202	16,051	15,583	70	82	43.749	740,554	3.935,848	5,315	4,847
21	33	97.940	28.809,634	460.151,884	15,972	15,504	71	83	39.755	634,851	3.195,294	5,033	4,565
22	34	97.824	27.146,738	431.342,250	15,889	15,421	72	84	35.744	538,490	2.560,443	4,755	4,287
23	35	97.705	25.578,824	404.195,512	15,802	15,334	73	85	31.714	450,738	2.021,953	4,486	4,018
24	36	97.582	24.100,735	378.616,688	15,710	15,242	74	86	27.837	373,244	1.571,215	4,210	3,742
25	37	97.456	22.707,198	354.515,953	15,612	15,145	75	87	23.968	303,176	1.197,971	3,951	3,483
26	38	97.325	21.393,089	331.808,756	15,510	15,042	76	88	20.165	240,635	894,794	3,718	3,250
27	39	97.188	20.153,618	310.415,667	15,402	14,935	77	89	16.639	187,321	654,159	3,492	3,024
28	40	97.040	18.984,046	290.262,049	15,290	14,822	78	90	13.397	142,285	466,838	3,281	2,813
29	41	96.885	17.880,744	271.278,004	15,172	14,704	79	91	10.527	105,473	324,554	3,077	2,609
30	42	96.721	16.840,099	253.397,260	15,047	14,579	80	92	7.985	75,471	219,081	2,903	2,435
31	43	96.542	15.857,425	236.557,161	14,918	14,450	81	93	5.873	52,371	143,610	2,742	2,274
32	44	96.340	14.928,618	220.699,736	14,784	14,316	82	94	4.183	35,192	91,238	2,593	2,125
33	45	96.127	14.052,476	205.771,118	14,643	14,175	83	95	2.869	22,769	56,046	2,461	1,994
34	46	95.891	13.224,416	191.718,642	14,497	14,029	84	96	1.900	14,222	33,277	2,340	1,872
35	47	95.627	12.441,564	178.494,226	14,347	13,879	85	97	1.212	8,561	19,055	2,226	1,758
36	48	95.341	11.702,240	166.052,662	14,190	13,722	86	98	746	4,974	10,493	2,110	1,642
37	49	95.032	11.004,010	154.350,422	14,027	13,559	87	99	438	2,752	5,520	2,006	1,538
38	50	94.688	10.343,645	143.346,412	13,858	13,390	88	100	244	1,445	2,768	1,915	1,447
39	51	94.319	9.720,088	133.002,768	13,683	13,215	89	101	129	0,721	1,323	1,834	1,366
40	52	93.912	9.130,333	123.282,680	13,503	13,035	90	102	65	0,342	0,602	1,759	1,291
41	53	93.467	8.572,692	114.152,346	13,316	12,848	91	103	31	0,154	0,260	1,688	1,220
42	54	92.995	8.046,594	105.579,654	13,121	12,653	92	104	14	0,065	0,106	1,625	1,157
43	55	92.467	7.548,038	97.533,060	12,922	12,454	93	105	6	0,026	0,041	1,567	1,099
44	56	91.889	7.076,264	89.985,022	12,716	12,248	94	106					
45	57	91.274	6.631,082	82.908,758	12,503	12,035	95	107					
46	58	90.587	6.208,654	76.277,676	12,286	11,818	96	108					
47	59	89.845	5.809,230	70.069,021	12,062	11,594	97	109					
48	60	89.053	5.432,108	64.259,791	11,830	11,362	98	110					
49	61	88.202	5.075,617	58.827,683	11,590	11,122	99	111					
							100	112					

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -13 Jahre

Zinsfuß 6,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	13	99.462	99.462,020	1.689.603,627	16,987	16,519	50	63	86.762	4.710,173	52.569,687	11,161	10,693
1	14	98.999	93.394,954	1.590.141,608	17,026	16,558	51	64	85.745	4.391,466	47.859,514	10,898	10,430
2	15	98.947	88.062,589	1.496.746,654	16,996	16,528	52	65	84.677	4.091,290	43.468,048	10,625	10,157
3	16	98.910	83.046,348	1.408.684,065	16,963	16,495	53	66	83.493	3.805,732	39.376,758	10,347	9,879
4	17	98.871	78.314,730	1.325.637,717	16,927	16,459	54	67	82.217	3.535,434	35.571,027	10,061	9,593
5	18	98.836	73.855,660	1.247.322,987	16,889	16,421	55	68	80.828	3.278,995	32.035,593	9,770	9,302
6	19	98.794	69.645,574	1.173.467,327	16,849	16,381	56	69	79.306	3.035,120	28.756,598	9,475	9,007
7	20	98.755	65.677,503	1.103.821,753	16,807	16,339	57	70	77.681	2.804,653	25.721,477	9,171	8,703
8	21	98.711	61.932,690	1.038.144,250	16,762	16,294	58	71	75.914	2.585,722	22.916,825	8,863	8,395
9	22	98.675	58.405,825	976.211,560	16,714	16,246	59	72	73.972	2.376,943	20.331,103	8,553	8,086
10	23	98.639	55.079,762	917.805,735	16,663	16,195	60	73	71.874	2.178,825	17.954,160	8,240	7,772
11	24	98.604	51.943,601	862.725,973	16,609	16,141	61	74	69.617	1.990,950	15.775,335	7,924	7,456
12	25	98.563	48.983,007	810.782,372	16,552	16,084	62	75	67.216	1.813,456	13.784,385	7,601	7,133
13	26	98.526	46.192,980	761.799,365	16,492	16,024	63	76	64.591	1.644,004	11.970,930	7,282	6,814
14	27	98.486	43.560,434	715.606,386	16,428	15,960	64	77	61.815	1.484,286	10.326,926	6,958	6,490
15	28	98.439	41.075,193	672.045,952	16,361	15,893	65	78	58.860	1.333,335	8.842,641	6,632	6,164
16	29	98.387	38.729,542	630.970,759	16,292	15,824	66	79	55.686	1.190,032	7.509,305	6,310	5,842
17	30	98.320	36.512,619	592.241,217	16,220	15,752	67	80	52.323	1.054,867	6.319,274	5,991	5,523
18	31	98.238	34.417,135	555.728,598	16,147	15,679	68	81	48.708	926,401	5.264,407	5,683	5,215
19	32	98.129	32.432,778	521.311,462	16,074	15,606	69	82	44.905	805,736	4.338,006	5,384	4,916
20	33	98.015	30.561,447	488.878,684	15,997	15,529	70	83	40.922	692,696	3.532,269	5,099	4,631
21	34	97.901	28.798,123	458.317,237	15,915	15,447	71	84	36.906	589,359	2.839,573	4,818	4,350
22	35	97.778	27.134,011	429.519,114	15,830	15,362	72	85	32.871	495,216	2.250,214	4,544	4,076
23	36	97.655	25.565,728	402.385,103	15,739	15,271	73	86	28.961	411,603	1.754,998	4,264	3,796
24	37	97.527	24.087,107	376.819,375	15,644	15,176	74	87	25.031	335,616	1.343,395	4,003	3,535
25	38	97.397	22.693,273	352.732,268	15,543	15,076	75	88	21.143	267,439	1.007,780	3,768	3,300
26	39	97.257	21.378,124	330.038,995	15,438	14,970	76	89	17.513	208,985	740,341	3,543	3,075
27	40	97.110	20.137,490	308.660,871	15,328	14,860	77	90	14.173	159,555	531,356	3,330	2,862
28	41	96.956	18.967,530	288.523,381	15,211	14,743	78	91	11.207	119,026	371,801	3,124	2,656
29	42	96.789	17.863,069	269.555,852	15,090	14,622	79	92	8.554	85,707	252,774	2,949	2,481
30	43	96.612	16.821,159	251.692,783	14,963	14,495	80	93	6.345	59,970	167,067	2,786	2,318
31	44	96.416	15.836,842	234.871,624	14,831	14,363	81	94	4.558	40,641	107,096	2,635	2,167
32	45	96.206	14.907,838	219.034,782	14,693	14,225	82	95	3.166	26,636	66,456	2,495	2,027
33	46	95.975	14.030,188	204.126,944	14,549	14,081	83	96	2.115	16,786	39,820	2,372	1,904
34	47	95.718	13.200,665	190.096,756	14,401	13,933	84	97	1.362	10,200	23,034	2,258	1,790
35	48	95.441	12.417,369	176.896,091	14,246	13,778	85	98	845	5,965	12,835	2,152	1,684
36	49	95.139	11.677,432	164.478,721	14,085	13,617	86	99	505	3,362	6,870	2,043	1,575
37	50	94.803	10.977,526	152.801,289	13,919	13,451	87	100	287	1,803	3,507	1,946	1,478
38	51	94.449	10.317,510	141.823,763	13,746	13,278	88	101	154	0,916	1,705	1,861	1,393
39	52	94.057	9.693,093	131.506,253	13,567	13,099	89	102	79	0,442	0,789	1,784	1,316
40	53	93.628	9.102,730	121.813,160	13,382	12,914	90	103	38	0,202	0,347	1,714	1,246
41	54	93.172	8.545,624	112.710,429	13,189	12,721	91	104	18	0,088	0,144	1,647	1,179
42	55	92.671	8.018,606	104.164,806	12,990	12,522	92	105	8	0,036	0,057	1,588	1,120
43	56	92.117	7.519,455	96.146,200	12,786	12,318	93	106					
44	57	91.520	7.047,855	88.626,745	12,575	12,107	94	107					
45	58	90.867	6.601,487	81.578,890	12,358	11,890	95	108					
46	59	90.151	6.178,756	74.977,403	12,135	11,667	96	109					
47	60	89.388	5.779,697	68.798,647	11,904	11,436	97	110					
48	61	88.563	5.402,208	63.018,950	11,665	11,197	98	111					
49	62	87.705	5.047,055	57.616,742	11,416	10,948	99	112					
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -14 Jahre

Zinsfuß 6,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	14	99.452	99.452,383	1.687.338,685	16,966	16,498	50	64	86.172	4.678,136	51.317,883	10,970	10,502
1	15	98.987	93.384,071	1.587.886,302	17,004	16,536	51	65	85.118	4.359,352	46.639,747	10,699	10,231
2	16	98.929	88.046,855	1.494.502,231	16,974	16,506	52	66	83.985	4.057,874	42.280,395	10,419	9,951
3	17	98.889	83.028,761	1.406.455,376	16,939	16,471	53	67	82.737	3.771,265	38.222,521	10,135	9,667
4	18	98.849	78.297,499	1.323.426,615	16,903	16,435	54	68	81.381	3.499,496	34.451,256	9,845	9,377
5	19	98.807	73.834,420	1.245.129,116	16,864	16,396	55	69	79.904	3.241,491	30.951,760	9,549	9,081
6	20	98.766	69.626,268	1.171.294,696	16,823	16,355	56	70	78.294	2.996,398	27.710,268	9,248	8,780
7	21	98.723	65.656,758	1.101.668,428	16,779	16,311	57	71	76.577	2.764,789	24.713,871	8,939	8,471
8	22	98.687	61.917,537	1.036.011,670	16,732	16,264	58	72	74.683	2.543,802	21.949,082	8,628	8,160
9	23	98.649	58.390,012	974.094,133	16,683	16,215	59	73	72.638	2.334,088	19.405,281	8,314	7,846
10	24	98.614	55.065,392	915.704,121	16,629	16,161	60	74	70.410	2.134,437	17.071,192	7,998	7,530
11	25	98.578	51.929,489	860.638,729	16,573	16,105	61	75	68.033	1.945,632	14.936,755	7,677	7,209
12	26	98.539	48.970,953	808.709,240	16,514	16,046	62	76	65.473	1.766,437	12.991,123	7,354	6,886
13	27	98.499	46.180,047	759.738,287	16,452	15,984	63	77	62.721	1.596,412	11.224,685	7,031	6,563
14	28	98.457	43.547,739	713.558,239	16,386	15,918	64	78	59.804	1.435,998	9.628,273	6,705	6,237
15	29	98.410	41.063,001	670.010,501	16,317	15,849	65	79	56.679	1.283,919	8.192,275	6,381	5,913
16	30	98.358	38.718,206	628.947,500	16,244	15,776	66	80	53.343	1.139,972	6.908,356	6,060	5,592
17	31	98.288	36.500,664	590.229,294	16,170	15,702	67	81	49.774	1.003,480	5.768,384	5,748	5,280
18	32	98.203	34.404,841	553.728,630	16,094	15,627	68	82	45.993	874,760	4.764,905	5,447	4,979
19	33	98.094	32.421,246	519.323,788	16,018	15,550	69	83	42.003	753,666	3.890,145	5,162	4,694
20	34	97.976	30.549,235	486.902,542	15,938	15,470	70	84	37.989	643,059	3.136,478	4,877	4,409
21	35	97.855	28.784,621	456.353,307	15,854	15,386	71	85	33.940	541,997	2.493,419	4,600	4,132
22	36	97.728	27.120,120	427.568,685	15,766	15,298	72	86	30.017	452,219	1.951,422	4,315	3,847
23	37	97.599	25.551,272	400.448,566	15,672	15,204	73	87	26.041	370,107	1.499,203	4,051	3,583
24	38	97.467	24.072,336	374.897,294	15,574	15,106	74	88	22.080	296,054	1.129,096	3,814	3,346
25	39	97.328	22.677,399	350.824,958	15,470	15,002	75	89	18.362	232,263	833,042	3,587	3,119
26	40	97.179	21.361,016	328.147,559	15,362	14,894	76	90	14.917	178,009	600,778	3,375	2,907
27	41	97.025	20.119,970	306.786,543	15,248	14,780	77	91	11.856	133,474	422,770	3,167	2,699
28	42	96.860	18.948,781	286.666,573	15,128	14,661	78	92	9.107	96,721	289,296	2,991	2,523
29	43	96.680	17.842,979	267.717,792	15,004	14,536	79	93	6.797	68,104	192,575	2,828	2,360
30	44	96.487	16.799,325	249.874,813	14,874	14,406	80	94	4.923	46,538	124,471	2,675	2,207
31	45	96.282	15.814,797	233.075,488	14,738	14,270	81	95	3.449	30,759	77,934	2,534	2,066
32	46	96.053	14.884,194	217.260,692	14,597	14,129	82	96	2.334	19,636	47,175	2,402	1,934
33	47	95.802	14.004,991	202.376,498	14,450	13,982	83	97	1.517	12,038	27,538	2,288	1,820
34	48	95.532	13.174,995	188.371,507	14,298	13,830	84	98	949	7,107	15,500	2,181	1,713
35	49	95.239	12.391,045	175.196,513	14,139	13,671	85	99	571	4,033	8,393	2,081	1,613
36	50	94.910	11.649,328	162.805,467	13,976	13,508	86	100	331	2,203	4,361	1,980	1,512
37	51	94.563	10.949,790	151.156,140	13,804	13,337	87	101	182	1,143	2,158	1,889	1,421
38	52	94.187	10.288,856	140.206,350	13,627	13,159	88	102	95	0,561	1,015	1,809	1,341
39	53	93.773	9.663,789	129.917,494	13,444	12,976	89	103	47	0,261	0,454	1,737	1,269
40	54	93.332	9.073,988	120.253,705	13,253	12,785	90	104	22	0,115	0,193	1,671	1,203
41	55	92.848	8.515,900	111.179,717	13,056	12,588	91	105	10	0,048	0,077	1,608	1,140
42	56	92.320	7.988,241	102.663,817	12,852	12,384	92	106					
43	57	91.747	7.489,266	94.675,576	12,642	12,174	93	107					
44	58	91.111	7.016,400	87.186,310	12,426	11,958	94	108					
45	59	90.429	6.569,697	80.169,910	12,203	11,735	95	109					
46	60	89.693	6.147,344	73.600,213	11,973	11,505	96	110					
47	61	88.896	5.747,884	67.452,869	11,735	11,267	97	111					
48	62	88.065	5.371,808	61.704,985	11,487	11,019	98	112					
49	63	87.153	5.015,294	56.333,177	11,232	10,764	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -15 Jahre

Zinsfuß 6,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	15	99.441	99.440,794	1.684.916,496	16,944	16,476	50	65	85.542	4.643,925	49.994,911	10,766	10,298
1	16	98.969	93.367,386	1.585.475,702	16,981	16,513	51	66	84.423	4.323,747	45.350,986	10,489	10,021
2	17	98.908	88.028,209	1.492.108,317	16,950	16,482	52	67	83.225	4.021,124	41.027,238	10,203	9,735
3	18	98.867	83.010,493	1.404.080,108	16,914	16,447	53	68	81.896	3.732,930	37.006,114	9,913	9,445
4	19	98.820	78.274,982	1.321.069,615	16,877	16,409	54	69	80.450	3.459,471	33.273,184	9,618	9,150
5	20	98.780	73.813,952	1.242.794,633	16,837	16,369	55	70	78.884	3.200,136	29.813,714	9,316	8,848
6	21	98.735	69.604,276	1.168.980,681	16,795	16,327	56	71	77.181	2.953,808	26.613,578	9,010	8,542
7	22	98.699	65.640,694	1.099.376,405	16,748	16,280	57	72	75.335	2.719,965	23.659,770	8,699	8,231
8	23	98.660	61.900,773	1.033.735,711	16,700	16,232	58	73	73.337	2.497,939	20.939,805	8,383	7,915
9	24	98.623	58.374,778	971.834,938	16,648	16,180	59	74	71.158	2.286,538	18.441,865	8,065	7,597
10	25	98.587	55.050,431	913.460,160	16,593	16,125	60	75	68.807	2.085,854	16.155,328	7,745	7,277
11	26	98.553	51.916,711	858.409,728	16,534	16,066	61	76	66.269	1.895,187	14.069,474	7,424	6,956
12	27	98.512	48.957,244	806.493,017	16,473	16,005	62	77	63.578	1.715,302	12.174,287	7,097	6,629
13	28	98.470	46.166,589	757.535,774	16,409	15,941	63	78	60.681	1.544,477	10.458,985	6,772	6,304
14	29	98.428	43.534,813	711.369,184	16,340	15,872	64	79	57.587	1.382,777	8.914,508	6,447	5,979
15	30	98.381	41.050,982	667.834,372	16,268	15,800	65	80	54.294	1.229,910	7.531,732	6,124	5,656
16	31	98.326	38.705,529	626.783,390	16,194	15,726	66	81	50.745	1.084,439	6.301,822	5,811	5,343
17	32	98.253	36.487,626	588.077,861	16,117	15,649	67	82	46.999	947,542	5.217,383	5,506	5,038
18	33	98.168	34.392,608	551.590,235	16,038	15,570	68	83	43.020	818,229	4.269,841	5,218	4,750
19	34	98.055	32.408,291	517.197,628	15,959	15,491	69	84	38.993	699,660	3.451,612	4,933	4,465
20	35	97.930	30.534,913	484.789,336	15,877	15,409	70	85	34.936	591,382	2.751,952	4,653	4,185
21	36	97.805	28.769,885	454.254,423	15,789	15,321	71	86	30.993	494,938	2.160,570	4,365	3,897
22	37	97.673	27.104,784	425.484,538	15,698	15,230	72	87	26.991	406,629	1.665,632	4,096	3,628
23	38	97.540	25.535,603	398.379,754	15,601	15,133	73	88	22.971	326,480	1.259,003	3,856	3,388
24	39	97.399	24.055,497	372.844,150	15,499	15,031	74	89	19.176	257,115	932,523	3,627	3,159
25	40	97.251	22.659,251	348.788,653	15,393	14,925	75	90	15.640	197,836	675,408	3,414	2,946
26	41	97.095	21.342,432	326.129,402	15,281	14,813	76	91	12.479	148,911	477,572	3,207	2,739
27	42	96.930	20.100,082	304.786,970	15,163	14,696	77	92	9.634	108,461	328,661	3,030	2,562
28	43	96.751	18.927,470	284.686,888	15,041	14,573	78	93	7.237	76,855	220,200	2,865	2,397
29	44	96.555	17.819,818	265.759,418	14,914	14,446	79	94	5.275	52,849	143,345	2,712	2,244
30	45	96.352	16.775,940	247.939,600	14,779	14,312	80	95	3.726	35,222	90,495	2,569	2,101
31	46	96.129	15.789,714	231.163,660	14,640	14,172	81	96	2.543	22,676	55,273	2,437	1,970
32	47	95.881	14.857,462	215.373,946	14,496	14,028	82	97	1.674	14,082	32,597	2,315	1,847
33	48	95.616	13.977,756	200.516,484	14,345	13,877	83	98	1.057	8,388	18,514	2,207	1,739
34	49	95.330	13.147,065	186.538,728	14,189	13,721	84	99	642	4,804	10,126	2,108	1,640
35	50	95.009	12.361,223	173.391,664	14,027	13,559	85	100	374	2,642	5,322	2,015	1,547
36	51	94.670	11.619,894	161.030,440	13,858	13,390	86	101	210	1,396	2,681	1,920	1,452
37	52	94.301	10.919,380	149.410,546	13,683	13,215	87	102	111	0,700	1,284	1,834	1,366
38	53	93.902	10.257,751	138.491,166	13,501	13,033	88	103	56	0,332	0,584	1,760	1,292
39	54	93.477	9.633,275	128.233,415	13,312	12,844	89	104	27	0,149	0,252	1,692	1,224
40	55	93.008	9.042,427	118.600,140	13,116	12,648	90	105	12	0,063	0,103	1,630	1,162
41	56	92.496	8.483,651	109.557,714	12,914	12,446	91	106					
42	57	91.950	7.956,170	101.074,063	12,704	12,236	92	107					
43	58	91.337	7.455,841	93.117,892	12,489	12,021	93	108					
44	59	90.673	6.982,612	85.662,051	12,268	11,800	94	109					
45	60	89.970	6.536,298	78.679,440	12,037	11,569	95	110					
46	61	89.199	6.113,508	72.143,142	11,801	11,333	96	111					
47	62	88.396	5.715,539	66.029,634	11,553	11,085	97	112					
48	63	87.511	5.338,004	60.314,096	11,299	10,831	98						
49	64	86.560	4.981,181	54.976,092	11,037	10,569	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -16 Jahre

Zinsfuß 6,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	16	99.423	99.423,027	1.682.329,722	16,921	16,453	50	66	84.843	4.605,996	48.598,975	10,551	10,083
1	17	98.948	93.347,613	1.582.906,695	16,957	16,489	51	67	83.658	4.284,589	43.992,978	10,268	9,800
2	18	98.887	88.008,841	1.489.559,082	16,925	16,457	52	68	82.379	3.980,249	39.708,389	9,976	9,508
3	19	98.838	82.986,619	1.401.550,241	16,889	16,421	53	69	80.959	3.690,234	35.728,140	9,682	9,214
4	20	98.793	78.253,283	1.318.563,621	16,850	16,382	54	70	79.424	3.415,334	32.037,906	9,381	8,913
5	21	98.749	73.790,638	1.240.310,338	16,809	16,341	55	71	77.763	3.154,650	28.622,572	9,073	8,605
6	22	98.711	69.587,246	1.166.519,700	16,763	16,295	56	72	75.930	2.905,920	25.467,921	8,764	8,296
7	23	98.673	65.622,922	1.096.932,454	16,716	16,248	57	73	73.977	2.670,927	22.562,001	8,447	7,979
8	24	98.635	61.884,623	1.031.309,532	16,665	16,197	58	74	71.843	2.447,050	19.891,074	8,129	7,661
9	25	98.596	58.358,919	969.424,909	16,611	16,143	59	75	69.538	2.234,492	17.444,024	7,807	7,339
10	26	98.563	55.036,885	911.065,990	16,554	16,086	60	76	67.023	2.031,773	15.209,532	7,486	7,018
11	27	98.526	51.902,177	856.029,105	16,493	16,025	61	77	64.351	1.840,324	13.177,760	7,161	6,693
12	28	98.483	48.942,976	804.126,928	16,430	15,962	62	78	61.509	1.659,499	11.337,435	6,832	6,364
13	29	98.441	46.152,886	755.183,952	16,363	15,895	63	79	58.432	1.487,235	9.677,936	6,507	6,039
14	30	98.399	43.522,070	709.031,067	16,291	15,823	64	80	55.165	1.324,609	8.190,701	6,183	5,716
15	31	98.349	41.037,541	665.508,997	16,217	15,749	65	81	51.649	1.169,995	6.866,092	5,868	5,401
16	32	98.291	38.691,703	624.471,456	16,140	15,672	66	82	47.916	1.023,988	5.696,097	5,563	5,095
17	33	98.218	36.474,652	585.779,753	16,060	15,592	67	83	43.962	886,308	4.672,109	5,271	4,803
18	34	98.129	34.378,865	549.305,101	15,978	15,510	68	84	39.938	759,597	3.785,801	4,984	4,516
19	35	98.009	32.393,098	514.926,236	15,896	15,428	69	85	35.860	643,434	3.026,205	4,703	4,235
20	36	97.879	30.519,281	482.533,138	15,811	15,343	70	86	31.903	540,035	2.382,770	4,412	3,944
21	37	97.750	28.753,617	452.013,858	15,720	15,252	71	87	27.869	445,041	1.842,735	4,141	3,673
22	38	97.613	27.088,163	423.260,241	15,625	15,157	72	88	23.809	358,697	1.397,693	3,897	3,429
23	39	97.471	25.517,741	396.172,078	15,525	15,057	73	89	19.950	283,539	1.038,997	3,664	3,196
24	40	97.321	24.036,246	370.654,337	15,421	14,953	74	90	16.334	219,004	755,458	3,450	2,982
25	41	97.166	22.639,538	346.618,090	15,310	14,842	75	91	13.084	165,497	536,454	3,241	2,773
26	42	96.999	21.321,335	323.978,552	15,195	14,727	76	92	10.140	121,005	370,956	3,066	2,598
27	43	96.821	20.077,476	302.657,217	15,074	14,606	77	93	7.656	86,184	249,951	2,900	2,432
28	44	96.626	18.902,901	282.579,741	14,949	14,481	78	94	5.616	59,641	163,767	2,746	2,278
29	45	96.420	17.795,013	263.676,840	14,817	14,349	79	95	3.992	39,999	104,127	2,603	2,135
30	46	96.200	16.749,333	245.881,827	14,680	14,212	80	96	2.747	25,967	64,127	2,470	2,002
31	47	95.957	15.761,356	229.132,494	14,538	14,070	81	97	1.824	16,263	38,160	2,347	1,879
32	48	95.694	14.828,570	213.371,137	14,389	13,921	82	98	1.166	9,812	21,898	2,232	1,764
33	49	95.413	13.948,124	198.542,568	14,234	13,766	83	99	714	5,670	12,086	2,131	1,663
34	50	95.100	13.115,423	184.594,444	14,075	13,607	84	100	420	3,147	6,416	2,039	1,571
35	51	94.769	12.329,991	171.479,021	13,907	13,440	85	101	237	1,675	3,268	1,952	1,484
36	52	94.407	11.587,623	159.149,029	13,734	13,266	86	102	128	0,856	1,594	1,863	1,395
37	53	94.016	10.886,368	147.561,406	13,555	13,087	87	103	66	0,414	0,738	1,783	1,315
38	54	93.606	10.225,362	136.675,038	13,366	12,898	88	104	32	0,189	0,324	1,713	1,245
39	55	93.151	9.599,768	126.449,677	13,172	12,704	89	105	15	0,082	0,135	1,649	1,182
40	56	92.656	9.008,184	116.849,909	12,972	12,504	90	106					
41	57	92.125	8.449,592	107.841,725	12,763	12,295	91	107					
42	58	91.539	7.920,661	99.392,133	12,548	12,080	92	108					
43	59	90.898	7.419,937	91.471,472	12,328	11,860	93	109					
44	60	90.212	6.947,114	84.051,535	12,099	11,631	94	110					
45	61	89.474	6.500,320	77.104,422	11,862	11,394	95	111					
46	62	88.697	6.079,105	70.604,101	11,614	11,146	96	112					
47	63	87.840	5.679,571	64.524,996	11,361	10,893	97						
48	64	86.915	5.301,696	58.845,425	11,099	10,631	98						
49	65	85.927	4.944,754	53.543,729	10,828	10,360	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -17 Jahre

Zinsfuß 6,00%

Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	17	99.402	99.401,972	1.679.575,149	16,897	16,429	50	67	84.075	4.564,282	47.129,900	10,326	9,858
1	18	98.927	93.327,075	1.580.173,177	16,932	16,464	51	68	82.808	4.241,036	42.565,618	10,037	9,569
2	19	98.858	87.983,530	1.486.846,102	16,899	16,431	52	69	81.437	3.934,725	38.324,581	9,740	9,272
3	20	98.811	82.963,615	1.398.862,572	16,861	16,393	53	70	79.926	3.643,154	34.389,857	9,440	8,972
4	21	98.762	78.228,567	1.315.898,957	16,821	16,353	54	71	78.295	3.366,790	30.746,703	9,132	8,664
5	22	98.724	73.772,583	1.237.670,390	16,777	16,309	55	72	76.502	3.103,506	27.379,913	8,822	8,354
6	23	98.684	69.568,406	1.163.897,807	16,730	16,262	56	73	74.561	2.853,529	24.276,406	8,508	8,040
7	24	98.647	65.605,801	1.094.329,401	16,680	16,212	57	74	72.470	2.616,513	21.422,877	8,188	7,720
8	25	98.608	61.867,810	1.028.723,600	16,628	16,160	58	75	70.208	2.391,351	18.806,364	7,864	7,396
9	26	98.572	58.344,559	966.855,790	16,571	16,104	59	76	67.735	2.176,557	16.415,013	7,542	7,074
10	27	98.535	55.021,477	908.511,231	16,512	16,044	60	77	65.083	1.972,956	14.238,455	7,217	6,749
11	28	98.497	51.887,051	853.489,754	16,449	15,981	61	78	62.257	1.780,454	12.265,499	6,889	6,421
12	29	98.454	48.928,449	801.602,703	16,383	15,915	62	79	59.230	1.597,994	10.485,045	6,561	6,093
13	30	98.412	46.139,377	752.674,255	16,313	15,845	63	80	55.974	1.424,673	8.887,051	6,238	5,770
14	31	98.367	43.507,820	706.534,878	16,239	15,771	64	81	52.478	1.260,081	7.462,378	5,922	5,454
15	32	98.314	41.022,882	663.027,058	16,162	15,694	65	82	48.770	1.104,775	6.202,296	5,614	5,146
16	33	98.256	38.677,945	622.004,176	16,082	15,614	66	83	44.820	957,814	5.097,521	5,322	4,854
17	34	98.179	36.460,077	583.326,231	15,999	15,531	67	84	40.812	822,797	4.139,708	5,031	4,563
18	35	98.083	34.362,748	546.866,154	15,915	15,447	68	85	36.728	698,554	3.316,911	4,748	4,280
19	36	97.958	32.376,514	512.503,406	15,829	15,362	69	86	32.746	587,569	2.618,357	4,456	3,988
20	37	97.824	30.502,023	480.126,893	15,741	15,273	70	87	28.687	485,592	2.030,788	4,182	3,714
21	38	97.690	28.735,984	449.624,869	15,647	15,179	71	88	24.584	392,581	1.545,196	3,936	3,468
22	39	97.545	27.069,215	420.888,885	15,549	15,081	72	89	20.678	311,518	1.152,615	3,700	3,232
23	40	97.393	25.497,320	393.819,670	15,446	14,978	73	90	16.993	241,511	841,097	3,483	3,015
24	41	97.237	24.015,335	368.322,350	15,337	14,869	74	91	13.664	183,205	599,585	3,273	2,805
25	42	97.070	22.617,159	344.307,015	15,223	14,755	75	92	10.632	134,483	416,380	3,096	2,628
26	43	96.890	21.297,356	321.689,856	15,105	14,637	76	93	8.058	96,152	281,897	2,932	2,464
27	44	96.695	20.051,415	300.392,500	14,981	14,513	77	94	5.941	66,880	185,745	2,777	2,309
28	45	96.491	18.876,588	280.341,085	14,851	14,383	78	95	4.250	45,139	118,865	2,633	2,165
29	46	96.267	17.766,790	261.464,496	14,716	14,249	79	96	2.943	29,489	73,726	2,500	2,032
30	47	96.027	16.719,252	243.697,707	14,576	14,108	80	97	1.970	18,622	44,237	2,375	1,908
31	48	95.770	15.730,706	226.978,455	14,429	13,961	81	98	1.271	11,331	25,615	2,261	1,793
32	49	95.492	14.797,134	211.247,749	14,276	13,808	82	99	788	6,633	14,284	2,153	1,685
33	50	95.184	13.914,555	196.450,615	14,118	13,650	83	100	468	3,714	7,651	2,060	1,592
34	51	94.860	13.082,285	182.536,060	13,953	13,485	84	101	266	1,995	3,936	1,973	1,505
35	52	94.506	12.295,748	169.453,775	13,781	13,314	85	102	145	1,026	1,941	1,892	1,424
36	53	94.122	11.552,591	157.158,027	13,604	13,136	86	103	76	0,506	0,915	1,809	1,341
37	54	93.719	10.851,994	145.605,436	13,417	12,949	87	104	38	0,236	0,409	1,734	1,266
38	55	93.280	10.189,795	134.753,442	13,224	12,756	88	105	18	0,104	0,173	1,668	1,200
39	56	92.799	9.563,415	124.563,647	13,025	12,557	89						
40	57	92.284	8.972,019	115.000,231	12,818	12,350	90						
41	58	91.714	8.411,881	106.028,213	12,605	12,137	91						
42	59	91.099	7.882,518	97.616,332	12,384	11,916	92						
43	60	90.435	7.382,215	89.733,814	12,155	11,687	93						
44	61	89.715	6.908,875	82.351,599	11,920	11,452	94						
45	62	88.971	6.463,741	75.442,724	11,672	11,204	95						
46	63	88.139	6.040,850	68.978,983	11,419	10,951	96						
47	64	87.242	5.640,940	62.938,134	11,157	10,689	97						
48	65	86.280	5.262,925	57.297,194	10,887	10,419	98						
49	66	85.226	4.904,369	52.034,268	10,610	10,142	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -18 Jahre

Zinsfuß 6,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	18	99.380	99.380,101	1.676.646,388	16,871	16,403	50	68	83.220	4.517,886	45.587,654	10,090	9,623
1	19	98.898	93.300,235	1.577.266,287	16,905	16,437	51	69	81.861	4.192,529	41.069,768	9,796	9,328
2	20	98.831	87.959,141	1.483.966,052	16,871	16,403	52	70	80.398	3.884,525	36.877,239	9,493	9,025
3	21	98.780	82.937,410	1.396.006,911	16,832	16,364	53	71	78.790	3.591,372	32.992,714	9,187	8,719
4	22	98.738	78.209,426	1.313.069,501	16,789	16,321	54	72	77.025	3.312,207	29.401,342	8,877	8,409
5	23	98.698	73.752,610	1.234.860,074	16,743	16,275	55	73	75.123	3.047,553	26.089,135	8,561	8,093
6	24	98.658	69.550,255	1.161.107,464	16,695	16,227	56	74	73.042	2.795,396	23.041,582	8,243	7,775
7	25	98.620	65.587,977	1.091.557,209	16,643	16,175	57	75	70.820	2.556,957	20.246,186	7,918	7,450
8	26	98.584	61.852,586	1.025.969,232	16,587	16,119	58	76	68.387	2.329,349	17.689,229	7,594	7,126
9	27	98.544	58.328,224	964.116,645	16,529	16,061	59	77	65.775	2.113,549	15.359,880	7,267	6,799
10	28	98.506	55.005,442	905.788,421	16,467	15,999	60	78	62.966	1.908,771	13.246,331	6,940	6,472
11	29	98.468	51.871,649	850.782,978	16,402	15,934	61	79	59.950	1.714,467	11.337,560	6,613	6,145
12	30	98.425	48.914,127	798.911,329	16,333	15,865	62	80	56.738	1.530,773	9.623,093	6,286	5,818
13	31	98.380	46.124,270	749.997,202	16,260	15,792	63	81	53.247	1.355,271	8.092,320	5,971	5,503
14	32	98.332	43.492,279	703.872,932	16,184	15,716	64	82	49.552	1.189,840	6.737,049	5,662	5,194
15	33	98.279	41.008,295	660.380,654	16,104	15,636	65	83	45.619	1.033,380	5.547,209	5,368	4,900
16	34	98.216	38.662,490	619.372,359	16,020	15,552	66	84	41.608	889,179	4.513,829	5,076	4,608
17	35	98.133	36.442,984	580.709,869	15,935	15,467	67	85	37.532	756,676	3.624,651	4,790	4,322
18	36	98.033	34.345,156	544.266,885	15,847	15,379	68	86	33.539	637,903	2.867,975	4,496	4,028
19	37	97.903	32.358,206	509.921,729	15,759	15,291	69	87	29.445	528,333	2.230,073	4,221	3,753
20	38	97.764	30.483,319	477.563,523	15,666	15,198	70	88	25.305	428,352	1.701,739	3,973	3,505
21	39	97.621	28.715,883	447.080,204	15,569	15,101	71	89	21.350	340,946	1.273,388	3,735	3,267
22	40	97.467	27.047,552	418.364,321	15,468	15,000	72	90	17.613	265,344	932,442	3,514	3,046
23	41	97.309	25.475,138	391.316,769	15,361	14,893	73	91	14.215	202,033	667,098	3,302	2,834
24	42	97.140	23.991,597	365.841,631	15,249	14,781	74	92	11.103	148,873	465,065	3,124	2,656
25	43	96.961	22.591,722	341.850,034	15,132	14,664	75	93	8.448	106,862	316,192	2,959	2,491
26	44	96.764	21.269,711	319.258,312	15,010	14,542	76	94	6.253	74,615	209,331	2,805	2,338
27	45	96.560	20.023,503	297.988,600	14,882	14,414	77	95	4.496	50,619	134,716	2,661	2,193
28	46	96.338	18.846,650	277.965,097	14,749	14,281	78	96	3.133	33,278	84,097	2,527	2,059
29	47	96.094	17.734,881	259.118,447	14,611	14,143	79	97	2.111	21,148	50,820	2,403	1,935
30	48	95.840	16.686,739	241.383,566	14,466	13,998	80	98	1.373	12,975	29,671	2,287	1,819
31	49	95.567	15.697,358	224.696,827	14,314	13,846	81	99	859	7,660	16,696	2,180	1,712
32	50	95.262	14.761,521	208.999,470	14,158	13,690	82	100	517	4,345	9,036	2,080	1,612
33	51	94.943	13.879,398	194.237,948	13,995	13,527	83	101	297	2,355	4,691	1,992	1,524
34	52	94.597	13.045,953	180.358,551	13,825	13,357	84	102	163	1,222	2,336	1,911	1,443
35	53	94.220	12.258,575	167.312,598	13,649	13,181	85	103	86	0,607	1,114	1,836	1,368
36	54	93.825	11.516,113	155.054,022	13,464	12,996	86	104	43	0,288	0,507	1,758	1,290
37	55	93.393	10.814,248	143.537,909	13,273	12,805	87	105	21	0,130	0,219	1,687	1,220
38	56	92.927	10.151,208	132.723,661	13,075	12,607	88	106					
39	57	92.426	9.525,021	122.572,453	12,868	12,401	89	107					
40	58	91.872	8.931,976	113.047,432	12,656	12,189	90	108					
41	59	91.272	8.371,372	104.115,456	12,437	11,969	91	109					
42	60	90.635	7.842,445	95.744,084	12,208	11,740	92	110					
43	61	89.938	7.341,582	87.901,639	11,973	11,505	93	111					
44	62	89.210	6.869,996	80.560,058	11,726	11,258	94	112					
45	63	88.411	6.423,065	73.690,061	11,473	11,005	95						
46	64	87.539	5.999,761	67.266,996	11,212	10,744	96						
47	65	86.604	5.599,689	61.267,235	10,941	10,473	97						
48	66	85.575	5.219,941	55.667,547	10,664	10,196	98						
49	67	84.454	4.859,952	50.447,606	10,380	9,912	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -19 Jahre

Zinsfuß 6,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	19	99.352	99.351,520	1.673.534,082	16,845	16,377	50	69	82.268	4.466,212	43.973,233	9,846	9,378
1	20	98.871	93.274,371	1.574.182,562	16,877	16,409	51	70	80.816	4.139,040	39.507,021	9,545	9,077
2	21	98.800	87.931,358	1.480.908,190	16,842	16,374	52	71	79.255	3.829,312	35.367,981	9,236	8,768
3	22	98.756	82.917,118	1.392.976,832	16,800	16,332	53	72	77.513	3.533,147	31.538,669	8,927	8,459
4	23	98.711	78.188,252	1.310.059,714	16,755	16,287	54	73	75.637	3.252,491	28.005,522	8,610	8,143
5	24	98.672	73.733,367	1.231.871,462	16,707	16,239	55	74	73.593	2.985,467	24.753,031	8,291	7,823
6	25	98.632	69.531,360	1.158.138,095	16,656	16,188	56	75	71.379	2.731,768	21.767,564	7,968	7,500
7	26	98.596	65.571,838	1.088.606,735	16,602	16,134	57	76	68.984	2.490,662	19.035,796	7,643	7,175
8	27	98.556	61.835,270	1.023.034,896	16,545	16,077	58	77	66.408	2.261,919	16.545,134	7,315	6,847
9	28	98.516	58.311,226	961.199,626	16,484	16,016	59	78	63.635	2.044,790	14.283,216	6,985	6,517
10	29	98.477	54.989,116	902.888,400	16,419	15,951	60	79	60.632	1.838,028	12.238,425	6,658	6,190
11	30	98.439	51.856,466	847.899,285	16,351	15,883	61	80	57.428	1.642,346	10.400,398	6,333	5,865
12	31	98.393	48.898,112	796.042,819	16,280	15,812	62	81	53.974	1.456,202	8.758,052	6,014	5,546
13	32	98.345	46.107,794	747.144,707	16,204	15,736	63	82	50.279	1.279,723	7.301,850	5,706	5,238
14	33	98.297	43.476,814	701.036,913	16,124	15,656	64	83	46.350	1.112,947	6.022,127	5,411	4,943
15	34	98.239	40.991,909	657.560,100	16,041	15,573	65	84	42.350	959,330	4.909,179	5,117	4,649
16	35	98.170	38.644,364	616.568,190	15,955	15,487	66	85	38.264	817,723	3.949,849	4,830	4,362
17	36	98.082	36.424,327	577.923,826	15,866	15,398	67	86	34.273	690,977	3.132,126	4,533	4,065
18	37	97.977	34.325,735	541.499,499	15,775	15,307	68	87	30.158	573,593	2.441,149	4,256	3,788
19	38	97.843	32.338,364	507.173,764	15,683	15,215	69	88	25.974	466,054	1.867,556	4,007	3,539
20	39	97.696	30.461,995	474.835,401	15,588	15,120	70	89	21.977	372,012	1.401,502	3,767	3,299
21	40	97.543	28.692,903	444.373,405	15,487	15,019	71	90	18.186	290,409	1.029,490	3,545	3,077
22	41	97.382	27.024,021	415.680,502	15,382	14,914	72	91	14.734	221,970	739,081	3,330	2,862
23	42	97.212	25.449,956	388.656,481	15,271	14,803	73	92	11.551	164,172	517,111	3,150	2,682
24	43	97.031	23.964,614	363.206,525	15,156	14,688	74	93	8.823	118,296	352,938	2,984	2,516
25	44	96.835	22.562,398	339.241,911	15,036	14,568	75	94	6.556	82,926	234,643	2,830	2,362
26	45	96.629	21.240,104	316.679,513	14,910	14,442	76	95	4.732	56,473	151,717	2,687	2,219
27	46	96.407	19.991,746	295.439,410	14,778	14,310	77	96	3.315	37,317	95,244	2,552	2,084
28	47	96.165	18.812,802	275.447,664	14,642	14,174	78	97	2.247	23,866	57,927	2,427	1,959
29	48	95.908	17.700,393	256.634,862	14,499	14,031	79	98	1.471	14,735	34,061	2,312	1,844
30	49	95.637	16.651,364	238.934,469	14,349	13,881	80	99	928	8,772	19,326	2,203	1,735
31	50	95.337	15.659,579	222.283,105	14,195	13,727	81	100	563	5,018	10,555	2,103	1,635
32	51	95.021	14.724,224	206.623,526	14,033	13,565	82	101	327	2,755	5,537	2,010	1,542
33	52	94.680	13.840,851	191.899,302	13,865	13,397	83	102	182	1,443	2,782	1,928	1,460
34	53	94.311	13.006,512	178.058,451	13,690	13,222	84	103	97	0,723	1,340	1,853	1,385
35	54	93.923	12.219,868	165.051,939	13,507	13,039	85	104	49	0,346	0,617	1,782	1,314
36	55	93.498	11.476,058	152.832,070	13,317	12,850	86	105	24	0,158	0,271	1,709	1,241
37	56	93.039	10.773,296	141.356,013	13,121	12,653	87	106					
38	57	92.554	10.110,454	130.582,716	12,916	12,448	88	107					
39	58	92.014	9.482,510	120.472,263	12,705	12,237	89	108					
40	59	91.429	8.888,963	110.989,753	12,486	12,018	90	109					
41	60	90.808	8.328,814	102.100,790	12,259	11,791	91	110					
42	61	90.137	7.799,278	93.771,977	12,023	11,555	92	111					
43	62	89.432	7.300,268	85.972,698	11,777	11,309	93	112					
44	63	88.649	6.826,764	78.672,430	11,524	11,056	94						
45	64	87.810	6.379,376	71.845,666	11,262	10,794	95						
46	65	86.899	5.955,886	65.466,290	10,992	10,524	96						
47	66	85.897	5.553,954	59.510,404	10,715	10,247	97						
48	67	84.800	5.172,666	53.956,450	10,431	9,963	98						
49	68	83.595	4.810,551	48.783,784	10,141	9,673	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -20 Jahre

Zinsfuß 6,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	20	99.324	99.323,980	1.670.234,648	16,816	16,348	50	70	81.219	4.409,232	42.288,400	9,591	9,123
1	21	98.840	93.244,910	1.570.910,669	16,847	16,379	51	71	79.668	4.080,210	37.879,168	9,284	8,816
2	22	98.776	87.909,844	1.477.665,759	16,809	16,341	52	72	77.970	3.767,230	33.798,958	8,972	8,504
3	23	98.729	82.894,669	1.389.755,915	16,765	16,297	53	73	76.115	3.469,448	30.031,728	8,656	8,188
4	24	98.685	78.167,852	1.306.861,246	16,719	16,251	54	74	74.096	3.186,230	26.562,280	8,337	7,869
5	25	98.645	73.713,336	1.228.693,394	16,669	16,201	55	75	71.918	2.917,513	23.376,050	8,012	7,544
6	26	98.607	69.514,251	1.154.980,058	16,615	16,147	56	76	69.529	2.660,940	20.458,538	7,688	7,220
7	27	98.568	65.553,481	1.085.465,807	16,558	16,091	57	77	66.987	2.418,561	17.797,598	7,359	6,891
8	28	98.527	61.817,250	1.019.912,326	16,499	16,031	58	78	64.247	2.188,333	15.379,037	7,028	6,560
9	29	98.486	58.293,918	958.095,077	16,436	15,968	59	79	61.276	1.969,006	13.190,704	6,699	6,231
10	30	98.448	54.973,020	899.801,159	16,368	15,900	60	80	58.082	1.760,709	11.221,698	6,373	5,905
11	31	98.407	51.839,487	844.828,139	16,297	15,829	61	81	54.630	1.562,340	9.460,989	6,056	5,588
12	32	98.357	48.880,645	792.988,652	16,223	15,755	62	82	50.965	1.375,028	7.898,649	5,744	5,276
13	33	98.310	46.091,399	744.108,007	16,144	15,676	63	83	47.030	1.197,022	6.523,621	5,450	4,982
14	34	98.258	43.459,441	698.016,608	16,061	15,593	64	84	43.029	1.033,196	5.326,599	5,155	4,687
15	35	98.193	40.972,691	654.557,167	15,975	15,507	65	85	38.946	882,237	4.293,403	4,866	4,399
16	36	98.120	38.624,580	613.584,476	15,886	15,418	66	86	34.942	746,724	3.411,167	4,568	4,100
17	37	98.027	36.403,730	574.959,895	15,794	15,326	67	87	30.818	621,317	2.664,442	4,288	3,820
18	38	97.917	34.304,686	538.556,165	15,699	15,231	68	88	26.603	505,979	2.043,125	4,038	3,570
19	39	97.774	32.315,742	504.251,479	15,604	15,136	69	89	22.558	404,756	1.537,146	3,798	3,330
20	40	97.618	30.437,618	471.935,737	15,505	15,037	70	90	18.719	316,870	1.132,390	3,574	3,106
21	41	97.458	28.667,941	441.498,119	15,400	14,932	71	91	15.213	242,938	815,520	3,357	2,889
22	42	97.286	26.997,308	412.830,178	15,292	14,824	72	92	11.973	180,373	572,582	3,174	2,706
23	43	97.103	25.421,333	385.832,870	15,178	14,710	73	93	9.179	130,453	392,209	3,007	2,539
24	44	96.905	23.933,507	360.411,537	15,059	14,591	74	94	6.847	91,799	261,756	2,851	2,383
25	45	96.700	22.530,991	336.478,029	14,934	14,466	75	95	4.962	62,763	169,957	2,708	2,240
26	46	96.476	21.206,417	313.947,039	14,804	14,336	76	96	3.489	41,633	107,194	2,575	2,107
27	47	96.234	19.955,841	292.740,622	14,669	14,201	77	97	2.377	26,763	65,561	2,450	1,982
28	48	95.978	18.776,217	272.784,781	14,528	14,060	78	98	1.566	16,628	38,798	2,333	1,865
29	49	95.704	17.662,869	254.008,563	14,381	13,913	79	99	994	9,961	22,170	2,226	1,758
30	50	95.407	16.611,289	236.345,694	14,228	13,760	80	100	608	5,746	12,209	2,125	1,657
31	51	95.096	15.620,013	219.734,405	14,067	13,600	81	101	357	3,181	6,463	2,032	1,564
32	52	94.757	14.683,332	204.114,393	13,901	13,433	82	102	201	1,688	3,282	1,945	1,477
33	53	94.393	13.799,008	189.431,061	13,728	13,260	83	103	108	0,853	1,594	1,868	1,400
34	54	94.013	12.965,444	175.632,053	13,546	13,078	84	104	55	0,412	0,741	1,798	1,330
35	55	93.596	12.177,365	162.666,610	13,358	12,890	85	105	27	0,190	0,329	1,731	1,264
36	56	93.144	11.432,599	150.489,245	13,163	12,695	86	106					
37	57	92.666	10.730,044	139.056,646	12,960	12,492	87	107					
38	58	92.141	10.065,330	128.326,601	12,749	12,281	88	108					
39	59	91.570	9.436,845	118.261,272	12,532	12,064	89	109					
40	60	90.965	8.843,773	108.824,426	12,305	11,837	90	110					
41	61	90.308	8.282,970	99.980,653	12,071	11,603	91	111					
42	62	89.629	7.755,389	91.697,683	11,824	11,356	92	112					
43	63	88.869	7.254,328	83.942,294	11,571	11,103	93						
44	64	88.046	6.780,329	76.687,966	11,310	10,842	94						
45	65	87.167	6.332,725	69.907,636	11,039	10,571	95						
46	66	86.190	5.907,242	63.574,911	10,762	10,294	96						
47	67	85.119	5.503,654	57.667,669	10,478	10,010	97						
48	68	83.938	5.120,086	52.164,015	10,188	9,720	98						
49	69	82.639	4.755,530	47.043,929	9,892	9,425	99						
							100						

Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente nach der Sterbetafel 2002/2004

Altersdifferenz zwischen Mann und Frau (x - y) = -21 Jahre

Zinsfuß 6,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	21	99.293	99.292,607	1.666.736,102	16,786	16,318	50	71	80.064	4.346,561	40.535,119	9,326	8,858
1	22	98.815	93.222,096	1.567.443,495	16,814	16,346	51	72	78.376	4.014,060	36.188,558	9,015	8,547
2	23	98.749	87.886,043	1.474.221,399	16,774	16,306	52	73	76.564	3.699,311	32.174,498	8,697	8,229
3	24	98.703	82.873,041	1.386.335,356	16,728	16,260	53	74	74.565	3.398,767	28.475,188	8,378	7,910
4	25	98.658	78.146,616	1.303.462,314	16,680	16,212	54	75	72.409	3.113,706	25.076,421	8,054	7,586
5	26	98.621	73.695,197	1.225.315,699	16,627	16,159	55	76	70.053	2.841,869	21.962,715	7,728	7,260
6	27	98.580	69.494,789	1.151.620,501	16,571	16,103	56	77	67.516	2.583,910	19.120,846	7,400	6,932
7	28	98.539	65.534,377	1.082.125,712	16,512	16,044	57	78	64.808	2.339,879	16.536,936	7,067	6,599
8	29	98.498	61.798,901	1.016.591,335	16,450	15,982	58	79	61.866	2.107,228	14.197,057	6,737	6,269
9	30	98.458	58.276,855	954.792,434	16,384	15,916	59	80	58.699	1.886,178	12.089,828	6,410	5,942
10	31	98.416	54.955,021	896.515,580	16,314	15,846	60	81	55.252	1.674,937	10.203,651	6,092	5,624
11	32	98.372	51.820,970	841.560,559	16,240	15,772	61	82	51.585	1.475,249	8.528,713	5,781	5,313
12	33	98.322	48.863,264	789.739,589	16,162	15,694	62	83	47.672	1.286,168	7.053,464	5,484	5,016
13	34	98.270	46.072,982	740.876,325	16,080	15,613	63	84	43.660	1.111,246	5.767,297	5,190	4,722
14	35	98.212	43.439,067	694.803,344	15,995	15,527	64	85	39.571	950,167	4.656,051	4,900	4,432
15	36	98.143	40.951,715	651.364,277	15,906	15,438	65	86	35.565	805,637	3.705,884	4,600	4,132
16	37	98.065	38.602,740	610.412,562	15,813	15,345	66	87	31.419	671,444	2.900,247	4,319	3,851
17	38	97.967	36.381,407	571.809,822	15,717	15,249	67	88	27.185	548,078	2.228,803	4,067	3,599
18	39	97.849	34.280,689	535.428,415	15,619	15,151	68	89	23.104	439,429	1.680,726	3,825	3,357
19	40	97.696	32.289,881	501.147,726	15,520	15,052	69	90	19.214	344,761	1.241,297	3,600	3,132
20	41	97.533	30.411,138	468.857,845	15,417	14,949	70	91	15.660	265,074	896,536	3,382	2,914
21	42	97.362	28.639,603	438.446,707	15,309	14,841	71	92	12.362	197,412	631,462	3,199	2,731
22	43	97.176	26.966,945	409.807,104	15,197	14,729	72	93	9.514	143,326	434,050	3,028	2,560
23	44	96.977	25.388,336	382.840,159	15,079	14,611	73	94	7.123	101,233	290,724	2,872	2,404
24	45	96.770	23.900,192	357.451,823	14,956	14,488	74	95	5.182	69,479	189,491	2,727	2,259
25	46	96.547	22.495,256	333.551,631	14,828	14,360	75	96	3.658	46,270	120,012	2,594	2,126
26	47	96.303	21.168,331	311.056,375	14,694	14,226	76	97	2.502	29,858	73,742	2,470	2,002
27	48	96.047	19.917,034	289.888,045	14,555	14,087	77	98	1.656	18,647	43,884	2,353	1,885
28	49	95.775	18.736,413	269.971,010	14,409	13,941	78	99	1.058	11,241	25,238	2,245	1,777
29	50	95.474	17.620,359	251.234,597	14,258	13,790	79	100	651	6,525	13,996	2,145	1,677
30	51	95.166	16.569,318	233.614,238	14,099	13,631	80	101	385	3,643	7,471	2,051	1,583
31	52	94.832	15.576,632	217.044,920	13,934	13,466	81	102	219	1,949	3,828	1,964	1,496
32	53	94.471	14.638,941	201.468,287	13,762	13,295	82	103	119	0,998	1,879	1,883	1,415
33	54	94.095	13.755,437	186.829,347	13,582	13,114	83	104	61	0,486	0,881	1,812	1,344
34	55	93.686	12.920,347	173.073,910	13,395	12,927	84	105	30	0,226	0,395	1,745	1,277
35	56	93.242	12.131,251	160.153,563	13,202	12,734	85	106					
36	57	92.770	11.386,701	148.022,313	13,000	12,532	86	107					
37	58	92.252	10.682,155	136.635,612	12,791	12,323	87	108					
38	59	91.697	10.016,859	125.953,457	12,574	12,106	88	109					
39	60	91.105	9.388,871	115.936,598	12,348	11,880	89	110					
40	61	90.464	8.795,095	106.547,727	12,114	11,646	90	111					
41	62	89.800	8.236,359	97.752,632	11,868	11,400	91	112					
42	63	89.065	7.706,585	89.516,273	11,616	11,148	92						
43	64	88.264	7.204,985	81.809,688	11,355	10,887	93						
44	65	87.402	6.730,746	74.604,703	11,084	10,616	94						
45	66	86.456	6.281,003	67.873,957	10,806	10,338	95						
46	67	85.409	5.853,742	61.592,953	10,522	10,054	96						
47	68	84.254	5.447,709	55.739,211	10,232	9,764	97						
48	69	82.978	5.061,525	50.291,502	9,936	9,468	98						
49	70	81.585	4.694,858	45.229,977	9,634	9,166	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -22 Jahre

Zinsfuß 6,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	22	99.268	99.268,313	1.663.030,990	16,753	16,285	50	72	78.766	4.276,093	38.715,944	9,054	8,586
1	23	98.789	93.196,857	1.563.762,676	16,779	16,311	51	73	76.963	3.941,690	34.439,851	8,737	8,269
2	24	98.723	87.863,113	1.470.565,820	16,737	16,269	52	74	75.004	3.623,947	30.498,161	8,416	7,948
3	25	98.676	82.850,527	1.382.702,706	16,689	16,221	53	75	72.867	3.321,405	26.874,214	8,091	7,623
4	26	98.634	78.127,386	1.299.852,180	16,638	16,170	54	76	70.532	3.032,975	23.552,809	7,766	7,298
5	27	98.593	73.674,566	1.221.724,793	16,583	16,115	55	77	68.025	2.759,601	20.519,834	7,436	6,968
6	28	98.551	69.474,536	1.148.050,228	16,525	16,057	56	78	65.319	2.499,849	17.760,232	7,105	6,637
7	29	98.510	65.514,925	1.078.575,691	16,463	15,995	57	79	62.406	2.253,158	15.260,383	6,773	6,305
8	30	98.469	61.780,812	1.013.060,767	16,398	15,930	58	80	59.264	2.018,585	13.007,225	6,444	5,976
9	31	98.425	58.257,774	951.279,955	16,329	15,861	59	81	55.839	1.794,294	10.988,639	6,124	5,656
10	32	98.381	54.935,390	893.022,181	16,256	15,788	60	82	52.172	1.581,570	9.194,346	5,813	5,345
11	33	98.337	51.802,544	838.086,791	16,178	15,711	61	83	48.251	1.379,912	7.612,776	5,517	5,049
12	34	98.283	48.843,739	786.284,247	16,098	15,630	62	84	44.256	1.194,004	6.232,864	5,220	4,752
13	35	98.224	46.051,382	737.440,508	16,013	15,545	63	85	40.151	1.021,945	5.038,860	4,931	4,463
14	36	98.161	43.416,828	691.389,126	15,924	15,456	64	86	36.135	867,669	4.016,915	4,630	4,162
15	37	98.088	40.928,559	647.972,298	15,832	15,364	65	87	31.979	724,417	3.149,247	4,347	3,879
16	38	98.004	38.579,068	607.043,740	15,735	15,267	66	88	27.716	592,296	2.424,830	4,094	3,626
17	39	97.898	36.355,958	568.464,672	15,636	15,168	67	89	23.610	475,991	1.832,534	3,850	3,382
18	40	97.770	34.253,256	532.108,714	15,535	15,067	68	90	19.679	374,295	1.356,543	3,624	3,156
19	41	97.611	32.261,790	497.855,459	15,432	14,964	69	91	16.073	288,406	982,249	3,406	2,938
20	42	97.436	30.381,077	465.593,669	15,325	14,857	70	92	12.725	215,399	693,843	3,221	2,753
21	43	97.253	28.607,393	435.212,592	15,213	14,745	71	93	9.823	156,865	478,444	3,050	2,582
22	44	97.050	26.931,942	406.605,200	15,098	14,630	72	94	7.383	111,222	321,578	2,891	2,423
23	45	96.842	25.352,995	379.673,258	14,975	14,508	73	95	5.391	76,619	210,356	2,745	2,278
24	46	96.617	23.862,286	354.320,263	14,849	14,381	74	96	3.820	51,221	133,737	2,611	2,143
25	47	96.373	22.454,855	330.457,977	14,717	14,249	75	97	2.623	33,183	82,516	2,487	2,019
26	48	96.116	21.127,166	308.003,122	14,579	14,111	76	98	1.743	20,803	49,332	2,371	1,903
27	49	95.843	19.874,811	286.875,956	14,434	13,966	77	99	1.120	12,606	28,529	2,263	1,795
28	50	95.544	18.691,320	267.001,145	14,285	13,817	78	100	693	7,364	15,923	2,162	1,694
29	51	95.233	17.575,839	248.309,825	14,128	13,660	79	101	413	4,137	8,560	2,069	1,601
30	52	94.901	16.523,301	230.733,986	13,964	13,496	80	102	236	2,232	4,423	1,982	1,514
31	53	94.545	15.529,541	214.210,685	13,794	13,326	81	103	129	1,153	2,191	1,901	1,433
32	54	94.172	14.592,718	198.681,144	13,615	13,147	82	104	68	0,569	1,038	1,825	1,357
33	55	93.768	13.707,592	184.088,426	13,430	12,962	83	105	34	0,267	0,469	1,758	1,290
34	56	93.331	12.871,419	170.380,834	13,237	12,769	84	106					
35	57	92.868	12.082,547	157.509,415	13,036	12,568	85	107					
36	58	92.356	11.335,881	145.426,868	12,829	12,361	86	108					
37	59	91.808	10.630,714	134.090,987	12,614	12,146	87	109					
38	60	91.231	9.965,935	123.460,273	12,388	11,920	88	110					
39	61	90.604	9.337,192	113.494,338	12,155	11,687	89	111					
40	62	89.955	8.745,602	104.157,146	11,910	11,442	90	112					
41	63	89.235	8.184,528	95.411,544	11,658	11,190	91						
42	64	88.459	7.654,166	87.227,016	11,396	10,928	92						
43	65	87.619	7.152,297	79.572,850	11,125	10,658	93						
44	66	86.688	6.675,774	72.420,553	10,848	10,380	94						
45	67	85.673	6.224,119	65.744,779	10,563	10,095	95						
46	68	84.541	5.794,239	59.520,660	10,272	9,804	96						
47	69	83.290	5.385,401	53.726,421	9,976	9,508	97						
48	70	81.919	4.996,949	48.341,020	9,674	9,206	98						
49	71	80.425	4.628,127	43.344,071	9,365	8,897	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -23 Jahre

Zinsfuß 6,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	23	99.241	99.241,437	1.659.099,836	16,718	16,250	50	73	77.346	4.198,999	36.835,876	8,773	8,305
1	24	98.763	93.172,541	1.559.858,398	16,742	16,274	51	74	75.395	3.861,389	32.636,877	8,452	7,984
2	25	98.696	87.839,243	1.466.685,857	16,697	16,229	52	75	73.297	3.541,460	28.775,489	8,125	7,657
3	26	98.652	82.830,140	1.378.846,614	16,647	16,179	53	76	70.978	3.235,289	25.234,029	7,800	7,332
4	27	98.606	78.105,514	1.296.016,475	16,593	16,125	54	77	68.490	2.945,175	21.998,740	7,469	7,001
5	28	98.564	73.653,095	1.217.910,961	16,536	16,068	55	78	65.812	2.669,825	19.053,564	7,137	6,669
6	29	98.522	69.453,915	1.144.257,866	16,475	16,007	56	79	62.899	2.407,199	16.383,739	6,806	6,338
7	30	98.481	65.495,748	1.074.803,951	16,410	15,942	57	80	59.781	2.158,377	13.976,540	6,475	6,008
8	31	98.437	61.760,584	1.009.308,203	16,342	15,874	58	81	56.377	1.920,251	11.818,164	6,154	5,687
9	32	98.390	58.236,964	947.547,620	16,271	15,803	59	82	52.727	1.694,273	9.897,912	5,842	5,374
10	33	98.346	54.915,857	889.310,656	16,194	15,726	60	83	48.801	1.479,362	8.203,639	5,545	5,077
11	34	98.297	51.781,845	834.394,800	16,114	15,646	61	84	44.794	1.281,031	6.724,277	5,249	4,781
12	35	98.237	48.820,840	782.612,955	16,030	15,562	62	85	40.699	1.098,052	5.443,247	4,957	4,489
13	36	98.174	46.027,806	733.792,115	15,942	15,474	63	86	36.665	933,215	4.345,195	4,656	4,188
14	37	98.106	43.392,277	687.764,309	15,850	15,382	64	87	32.492	780,195	3.411,980	4,373	3,905
15	38	98.028	40.903,460	644.372,032	15,753	15,286	65	88	28.210	639,025	2.631,785	4,118	3,650
16	39	97.936	38.552,081	603.468,571	15,653	15,185	66	89	24.070	514,393	1.992,761	3,874	3,406
17	40	97.820	36.326,863	564.916,490	15,551	15,083	67	90	20.110	405,437	1.478,368	3,646	3,178
18	41	97.685	34.223,456	528.589,627	15,445	14,977	68	91	16.463	313,112	1.072,931	3,427	2,959
19	42	97.515	32.229,899	494.366,171	15,339	14,871	69	92	13.061	234,358	759,819	3,242	2,774
20	43	97.327	30.346,908	462.136,271	15,228	14,760	70	93	10.111	171,158	525,461	3,070	2,602
21	44	97.126	28.570,260	431.789,364	15,113	14,645	71	94	7.623	121,729	354,302	2,911	2,443
22	45	96.915	26.894,452	403.219,104	14,993	14,525	72	95	5.588	84,180	232,573	2,763	2,295
23	46	96.689	25.312,785	376.324,652	14,867	14,399	73	96	3.974	56,485	148,394	2,627	2,159
24	47	96.443	23.819,430	351.011,867	14,736	14,268	74	97	2.740	36,734	91,908	2,502	2,034
25	48	96.186	22.411,189	327.192,437	14,600	14,132	75	98	1.828	23,120	55,174	2,386	1,918
26	49	95.912	21.082,377	304.781,249	14,457	13,989	76	99	1.179	14,064	32,054	2,279	1,811
27	50	95.613	19.826,978	283.698,871	14,309	13,841	77	100	734	8,258	17,990	2,179	1,711
28	51	95.303	18.644,094	263.871,893	14,153	13,685	78	101	440	4,668	9,733	2,085	1,617
29	52	94.968	17.527,027	245.227,799	13,991	13,523	79	102	253	2,535	5,064	1,998	1,530
30	53	94.615	16.473,348	227.700,772	13,822	13,354	80	103	140	1,320	2,530	1,917	1,449
31	54	94.247	15.480,506	211.227,424	13,645	13,177	81	104	74	0,657	1,210	1,841	1,373
32	55	93.845	14.541,961	195.746,919	13,461	12,993	82	105	37	0,312	0,553	1,769	1,301
33	56	93.413	13.655,683	181.204,958	13,270	12,802	83	106					
34	57	92.956	12.819,744	167.549,275	13,070	12,602	84	107					
35	58	92.453	12.028,622	154.729,531	12,863	12,395	85	108					
36	59	91.912	11.281,292	142.700,909	12,649	12,181	86	109					
37	60	91.341	10.576,670	131.419,618	12,425	11,957	87	110					
38	61	90.729	9.911,080	120.842,948	12,193	11,725	88	111					
39	62	90.094	9.284,648	110.931,868	11,948	11,480	89	112					
40	63	89.389	8.690,567	101.647,219	11,696	11,228	90						
41	64	88.628	8.128,858	92.956,653	11,435	10,967	91						
42	65	87.813	7.598,193	84.827,794	11,164	10,696	92						
43	66	86.903	7.093,881	77.229,602	10,887	10,419	93						
44	67	85.903	6.615,314	70.135,721	10,602	10,134	94						
45	68	84.802	6.160,851	63.520,407	10,310	9,842	95						
46	69	83.574	5.727,967	57.359,556	10,014	9,546	96						
47	70	82.228	5.316,693	51.631,589	9,711	9,243	97						
48	71	80.755	4.925,925	46.314,896	9,402	8,934	98						
49	72	79.121	4.553,095	41.388,971	9,090	8,622	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -24 Jahre

Zinsfuß 6,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	24	99.216	99.215,545	1.654.932,278	16,680	16,212	50	74	75.770	4.113,456	34.899,028	8,484	8,016
1	25	98.736	93.147,228	1.555.716,733	16,702	16,234	51	75	73.679	3.773,497	30.785,572	8,158	7,690
2	26	98.672	87.817,629	1.462.569,505	16,655	16,187	52	76	71.397	3.449,638	27.012,075	7,830	7,362
3	27	98.624	82.806,951	1.374.751,877	16,602	16,134	53	77	68.923	3.141,633	23.562,437	7,500	7,032
4	28	98.578	78.082,751	1.291.944,926	16,546	16,078	54	78	66.262	2.849,361	20.420,804	7,167	6,699
5	29	98.535	73.631,233	1.213.862,174	16,486	16,018	55	79	63.373	2.570,875	17.571,442	6,835	6,367
6	30	98.493	69.433,585	1.140.230,942	16,422	15,954	56	80	60.253	2.305,938	15.000,567	6,505	6,037
7	31	98.449	65.474,303	1.070.797,356	16,354	15,887	57	81	56.869	2.053,233	12.694,629	6,183	5,715
8	32	98.402	61.738,522	1.005.323,053	16,284	15,816	58	82	53.234	1.813,209	10.641,397	5,869	5,401
9	33	98.355	58.216,256	943.584,531	16,208	15,740	59	83	49.319	1.584,782	8.828,188	5,571	5,103
10	34	98.307	54.893,913	885.368,275	16,129	15,661	60	84	45.304	1.373,354	7.243,406	5,274	4,806
11	35	98.251	51.757,568	830.474,362	16,045	15,578	61	85	41.194	1.178,085	5.870,052	4,983	4,515
12	36	98.187	48.795,846	778.716,793	15,959	15,491	62	86	37.166	1.002,714	4.691,967	4,679	4,211
13	37	98.118	46.001,779	729.920,947	15,867	15,399	63	87	32.969	839,133	3.689,253	4,397	3,929
14	38	98.046	43.365,669	683.919,168	15,771	15,303	64	88	28.662	688,228	2.850,120	4,141	3,673
15	39	97.959	40.874,848	640.553,500	15,671	15,203	65	89	24.499	554,976	2.161,892	3,895	3,428
16	40	97.857	38.521,229	599.678,652	15,567	15,100	66	90	20.503	438,147	1.606,916	3,668	3,200
17	41	97.735	36.295,260	561.157,423	15,461	14,993	67	91	16.823	339,163	1.168,770	3,446	2,978
18	42	97.589	34.189,626	524.862,163	15,352	14,884	68	92	13.378	254,435	829,606	3,261	2,793
19	43	97.405	32.193,651	490.672,536	15,241	14,773	69	93	10.379	186,224	575,171	3,089	2,621
20	44	97.200	30.307,517	458.478,885	15,128	14,660	70	94	7.846	132,821	388,948	2,928	2,460
21	45	96.991	28.530,490	428.171,368	15,008	14,540	71	95	5.769	92,132	256,127	2,780	2,312
22	46	96.761	26.851,797	399.640,878	14,883	14,415	72	96	4.119	62,059	163,996	2,643	2,175
23	47	96.515	25.267,324	372.789,081	14,754	14,286	73	97	2.850	40,509	101,936	2,516	2,048
24	48	96.256	23.773,109	347.521,757	14,618	14,150	74	98	1.909	25,594	61,427	2,400	1,932
25	49	95.982	22.363,678	323.748,648	14,477	14,009	75	99	1.236	15,630	35,833	2,293	1,825
26	50	95.681	21.031,638	301.384,970	14,330	13,862	76	100	772	9,213	20,203	2,193	1,725
27	51	95.371	19.776,883	280.353,332	14,176	13,708	77	101	465	5,235	10,990	2,099	1,631
28	52	95.038	18.592,315	260.576,449	14,015	13,547	78	102	269	2,860	5,755	2,012	1,544
29	53	94.681	17.474,039	241.984,135	13,848	13,380	79	103	150	1,499	2,895	1,931	1,463
30	54	94.316	16.421,333	224.510,096	13,672	13,204	80	104	80	0,752	1,396	1,855	1,387
31	55	93.919	15.426,661	208.088,763	13,489	13,021	81	105	40	0,361	0,644	1,784	1,316
32	56	93.490	14.486,893	192.662,102	13,299	12,831	82	106					
33	57	93.038	13.600,859	178.175,210	13,100	12,632	83	107					
34	58	92.541	12.762,528	164.574,350	12,895	12,427	84	108					
35	59	92.008	11.970,696	151.811,822	12,682	12,214	85	109					
36	60	91.444	11.223,940	139.841,126	12,459	11,991	86	110					
37	61	90.838	10.518,453	128.617,186	12,228	11,760	87	111					
38	62	90.218	9.855,307	118.098,733	11,983	11,515	88	112					
39	63	89.527	9.226,221	108.243,425	11,732	11,264	89						
40	64	88.781	8.631,455	99.017,205	11,472	11,004	90						
41	65	87.980	8.069,414	90.385,750	11,201	10,733	91						
42	66	87.095	7.536,135	82.316,336	10,923	10,455	92						
43	67	86.116	7.029,635	74.780,201	10,638	10,170	93						
44	68	85.030	6.548,069	67.750,566	10,347	9,879	94						
45	69	83.832	6.090,386	61.202,497	10,049	9,581	95						
46	70	82.508	5.654,889	55.112,111	9,746	9,278	96						
47	71	81.059	5.241,124	49.457,222	9,436	8,968	97						
48	72	79.446	4.846,064	44.216,098	9,124	8,656	98						
49	73	77.695	4.471,006	39.370,034	8,806	8,338	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -25 Jahre

Zinsfuß 6,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	25	99.189	99.188,590	1.650.513,564	16,640	16,172	50	75	74.046	4.019,826	32.911,740	8,187	7,719
1	26	98.712	93.124,308	1.551.324,973	16,659	16,191	51	76	71.769	3.675,659	28.891,914	7,860	7,392
2	27	98.644	87.793,043	1.458.200,666	16,610	16,142	52	77	69.330	3.349,777	25.216,254	7,528	7,060
3	28	98.596	82.782,818	1.370.407,623	16,554	16,086	53	78	66.681	3.039,428	21.866,477	7,194	6,726
4	29	98.548	78.059,575	1.287.624,804	16,495	16,027	54	79	63.806	2.743,758	18.827,049	6,862	6,394
5	30	98.506	73.609,680	1.209.565,230	16,432	15,964	55	80	60.707	2.462,729	16.083,291	6,531	6,063
6	31	98.461	69.410,851	1.135.955,549	16,366	15,898	56	81	57.317	2.193,605	13.620,563	6,209	5,741
7	32	98.414	65.450,915	1.066.544,698	16,295	15,827	57	82	53.699	1.938,777	11.426,957	5,894	5,426
8	33	98.367	61.716,570	1.001.093,783	16,221	15,753	58	83	49.794	1.696,032	9.488,180	5,594	5,126
9	34	98.316	58.192,994	939.377,213	16,142	15,674	59	84	45.785	1.471,220	7.792,148	5,296	4,828
10	35	98.261	54.868,178	881.184,219	16,060	15,592	60	85	41.663	1.262,989	6.320,928	5,005	4,537
11	36	98.201	51.731,071	826.316,041	15,973	15,505	61	86	37.617	1.075,798	5.057,939	4,702	4,234
12	37	98.131	48.768,254	774.584,970	15,883	15,415	62	87	33.419	901,626	3.982,140	4,417	3,949
13	38	98.058	45.973,570	725.816,716	15,788	15,320	63	88	29.082	740,218	3.080,515	4,162	3,694
14	39	97.977	43.335,334	679.843,147	15,688	15,220	64	89	24.892	597,707	2.340,297	3,915	3,447
15	40	97.881	40.842,137	636.507,813	15,585	15,117	65	90	20.868	472,714	1.742,590	3,686	3,218
16	41	97.772	38.487,717	595.665,676	15,477	15,009	66	91	17.151	366,527	1.269,875	3,465	2,997
17	42	97.638	36.259,382	557.177,959	15,366	14,898	67	92	13.670	275,604	903,349	3,278	2,810
18	43	97.479	34.151,174	520.918,577	15,253	14,785	68	93	10.630	202,176	627,744	3,105	2,637
19	44	97.279	32.151,863	486.767,402	15,140	14,672	69	94	8.054	144,511	425,568	2,945	2,477
20	45	97.065	30.265,329	454.615,539	15,021	14,553	70	95	5.939	100,526	281,057	2,796	2,328
21	46	96.837	28.485,240	424.350,210	14,897	14,429	71	96	4.253	67,922	180,530	2,658	2,190
22	47	96.588	26.803,572	395.864,970	14,769	14,301	72	97	2.954	44,507	112,609	2,530	2,062
23	48	96.327	25.218,188	369.061,398	14,635	14,167	73	98	1.986	28,225	68,102	2,413	1,945
24	49	96.052	23.722,712	343.843,211	14,494	14,026	74	99	1.290	17,302	39,877	2,305	1,837
25	50	95.751	22.309,855	320.120,499	14,349	13,881	75	100	809	10,239	22,575	2,205	1,737
26	51	95.439	20.978,499	297.810,644	14,196	13,728	76	101	489	5,840	12,336	2,112	1,644
27	52	95.106	19.721,958	276.832,145	14,037	13,569	77	102	285	3,207	6,496	2,025	1,557
28	53	94.751	18.536,106	257.110,187	13,871	13,403	78	103	159	1,692	3,288	1,944	1,476
29	54	94.382	17.418,864	238.574,081	13,696	13,228	79	104	85	0,855	1,597	1,868	1,401
30	55	93.988	16.364,215	221.155,217	13,515	13,047	80	105	44	0,413	0,742	1,797	1,329
31	56	93.563	15.368,242	204.791,002	13,326	12,858	81	106					
32	57	93.114	14.428,732	189.422,760	13,128	12,660	82	107					
33	58	92.623	13.540,158	174.994,028	12,924	12,456	83	108					
34	59	92.096	12.701,069	161.453,870	12,712	12,244	84	109					
35	60	91.540	11.909,840	148.752,802	12,490	12,022	85	110					
36	61	90.941	11.162,160	136.842,962	12,260	11,792	86	111					
37	62	90.327	10.459,262	125.680,801	12,016	11,548	87	112					
38	63	89.650	9.793,289	115.221,539	11,765	11,297	88						
39	64	88.918	9.163,466	105.428,250	11,505	11,037	89						
40	65	88.131	8.568,335	96.264,785	11,235	10,767	90						
41	66	87.261	8.003,508	87.696,450	10,957	10,489	91						
42	67	86.307	7.467,884	79.692,943	10,671	10,203	92						
43	68	85.241	6.958,179	72.225,059	10,380	9,912	93						
44	69	84.057	6.473,175	65.266,880	10,083	9,615	94						
45	70	82.762	6.012,683	58.793,705	9,778	9,310	95						
46	71	81.335	5.574,513	52.781,022	9,468	9,000	96						
47	72	79.745	5.156,153	47.206,509	9,155	8,687	97						
48	73	78.013	4.758,694	42.050,355	8,837	8,369	98						
49	74	76.112	4.379,921	37.291,661	8,514	8,046	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 1 Jahr

Zinsfuß 6,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	49	91.859	4.986,874	63.817,901	12,797	12,329
1	0	99.544	93.909,217	1.609.962,352	17,144	16,676	51	50	91.184	4.670,019	58.831,026	12,598	12,130
2	1	99.126	88.221,561	1.516.053,135	17,185	16,717	52	51	90.482	4.371,779	54.161,007	12,389	11,921
3	2	99.070	83.181,330	1.427.831,574	17,165	16,697	53	52	89.702	4.088,745	49.789,228	12,177	11,709
4	3	99.033	78.443,125	1.344.650,243	17,142	16,674	54	53	88.868	3.821,473	45.700,483	11,959	11,491
5	4	99.002	73.980,324	1.266.207,118	17,115	16,647	55	54	87.986	3.569,377	41.879,010	11,733	11,265
6	5	98.976	69.774,188	1.192.226,794	17,087	16,619	56	55	87.024	3.330,507	38.309,633	11,503	11,035
7	6	98.952	65.808,430	1.122.452,606	17,056	16,588	57	56	86.015	3.105,576	34.979,126	11,263	10,795
8	7	98.930	62.070,039	1.056.644,176	17,023	16,555	58	57	84.929	2.892,778	31.873,550	11,018	10,550
9	8	98.910	58.544,579	994.574,137	16,988	16,520	59	58	83.744	2.690,964	28.980,772	10,770	10,302
10	9	98.891	55.220,265	936.029,558	16,951	16,483	60	59	82.465	2.499,864	26.289,809	10,516	10,049
11	10	98.875	52.086,328	880.809,294	16,911	16,443	61	60	81.122	2.319,957	23.789,944	10,254	9,787
12	11	98.853	49.126,815	828.722,965	16,869	16,401	62	61	79.706	2.150,448	21.469,987	9,984	9,516
13	12	98.831	46.335,654	779.596,150	16,825	16,357	63	62	78.190	1.990,136	19.319,539	9,708	9,240
14	13	98.809	43.703,501	733.260,496	16,778	16,310	64	63	76.575	1.838,711	17.329,403	9,425	8,957
15	14	98.782	41.218,118	689.556,995	16,729	16,261	65	64	74.854	1.695,645	15.490,692	9,136	8,668
16	15	98.747	38.871,314	648.338,877	16,679	16,211	66	65	73.005	1.560,157	13.795,047	8,842	8,374
17	16	98.691	36.650,456	609.467,563	16,629	16,161	67	66	71.024	1.431,892	12.234,891	8,545	8,077
18	17	98.620	34.551,058	572.817,107	16,579	16,111	68	67	68.873	1.309,934	10.802,999	8,247	7,779
19	18	98.524	32.563,448	538.266,049	16,530	16,062	69	68	66.561	1.194,308	9.493,065	7,949	7,481
20	19	98.416	30.686,664	505.702,600	16,480	16,012	70	69	64.105	1.085,136	8.298,757	7,648	7,180
21	20	98.314	28.919,655	475.015,936	16,425	15,957	71	70	61.483	981,831	7.213,620	7,347	6,879
22	21	98.206	27.252,690	446.096,282	16,369	15,901	72	71	58.700	884,336	6.231,789	7,047	6,579
23	22	98.108	25.684,415	418.843,591	16,307	15,839	73	72	55.716	791,859	5.347,453	6,753	6,285
24	23	98.009	24.206,065	393.159,176	16,242	15,774	74	73	52.589	705,118	4.555,594	6,461	5,993
25	24	97.912	22.813,387	368.953,111	16,173	15,705	75	74	49.330	623,987	3.850,476	6,171	5,703
26	25	97.814	21.500,478	346.139,724	16,099	15,631	76	75	45.979	548,670	3.226,489	5,881	5,413
27	26	97.720	20.263,976	324.639,245	16,021	15,553	77	76	42.552	479,041	2.677,819	5,590	5,122
28	27	97.623	19.097,939	304.375,269	15,938	15,470	78	77	39.059	414,822	2.198,779	5,301	4,833
29	28	97.522	17.998,434	285.277,330	15,850	15,382	79	78	35.494	355,628	1.783,956	5,016	4,548
30	29	97.425	16.962,676	267.278,896	15,757	15,289	80	79	31.903	301,550	1.428,329	4,737	4,269
31	30	97.325	15.986,153	250.316,220	15,658	15,190	81	80	28.289	252,261	1.126,779	4,467	3,999
32	31	97.217	15.064,433	234.330,067	15,555	15,087	82	81	24.702	207,801	874,518	4,208	3,740
33	32	97.102	14.195,014	219.265,634	15,447	14,979	83	82	21.136	167,736	666,717	3,975	3,507
34	33	96.983	13.375,018	205.070,621	15,332	14,864	84	83	17.755	132,933	498,981	3,754	3,286
35	34	96.851	12.600,853	191.695,603	15,213	14,745	85	84	14.665	103,585	366,048	3,534	3,066
36	35	96.705	11.869,590	179.094,750	15,089	14,621	86	85	11.920	79,425	262,463	3,305	2,837
37	36	96.546	11.179,359	167.225,160	14,958	14,490	87	86	9.443	59,360	183,038	3,084	2,616
38	37	96.375	10.527,867	156.045,801	14,822	14,354	88	87	7.216	42,792	123,678	2,890	2,422
39	38	96.183	9.912,182	145.517,934	14,681	14,213	89	88	5.312	29,718	80,886	2,722	2,254
40	39	95.968	9.330,172	135.605,752	14,534	14,066	90	89	3.784	19,970	51,168	2,562	2,094
41	40	95.726	8.779,858	126.275,580	14,382	13,914	91	90	2.598	12,934	31,197	2,412	1,944
42	41	95.461	8.259,958	117.495,722	14,225	13,757	92	91	1.711	8,036	18,263	2,273	1,805
43	42	95.156	7.767,541	109.235,765	14,063	13,595	93	92	1.071	4,744	10,227	2,156	1,688
44	43	94.814	7.301,507	101.468,224	13,897	13,429	94	93	640	2,676	5,483	2,049	1,581
45	44	94.436	6.860,817	94.166,716	13,725	13,257	95	94	365	1,438	2,807	1,952	1,484
46	45	94.015	6.443,571	87.305,899	13,549	13,081	96	95	197	0,735	1,369	1,864	1,396
47	46	93.547	6.048,599	80.862,328	13,369	12,901	97	96	101	0,356	0,635	1,784	1,316
48	47	93.029	5.674,629	74.813,729	13,184	12,716	98	97	49	0,163	0,279	1,711	1,243
49	48	92.469	5.321,200	69.139,101	12,993	12,525	99	98	23	0,070	0,116	1,644	1,176
							100	99	10	0,029	0,045	1,584	1,116

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 2 Jahre

Zinsfuß 6,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	48	92.054	4.997,469	64.268,273	12,860	12,392
1							51	49	91.404	4.681,286	59.270,804	12,661	12,193
2	0	99.504	88.557,810	1.517.179,895	17,132	16,664	52	50	90.711	4.382,853	54.589,519	12,455	11,987
3	1	99.106	83.211,132	1.428.622,086	17,169	16,701	53	51	89.952	4.100,132	50.206,666	12,245	11,777
4	2	99.052	78.458,638	1.345.410,954	17,148	16,680	54	52	89.138	3.833,061	46.106,534	12,029	11,561
5	3	99.019	73.993,024	1.266.952,316	17,123	16,655	55	53	88.265	3.580,684	42.273,473	11,806	11,338
6	4	98.989	69.783,201	1.192.959,292	17,095	16,627	56	54	87.328	3.342,131	38.692,789	11,577	11,109
7	5	98.964	65.817,034	1.123.176,091	17,065	16,597	57	55	86.342	3.117,381	35.350,658	11,340	10,872
8	6	98.939	62.075,759	1.057.359,057	17,033	16,565	58	56	85.271	2.904,438	32.233,277	11,098	10,630
9	7	98.918	58.549,678	995.283,298	16,999	16,531	59	57	84.119	2.703,028	29.328,838	10,850	10,382
10	8	98.901	55.225,566	936.733,620	16,962	16,494	60	58	82.864	2.511,961	26.625,811	10,600	10,132
11	9	98.882	52.089,694	881.508,054	16,923	16,455	61	59	81.536	2.331,811	24.113,850	10,341	9,873
12	10	98.861	49.130,947	829.418,360	16,882	16,414	62	60	80.147	2.162,350	21.782,039	10,073	9,605
13	11	98.840	46.340,000	780.287,413	16,838	16,370	63	61	78.633	2.001,398	19.619,688	9,803	9,335
14	12	98.818	43.707,213	733.947,414	16,792	16,324	64	62	77.060	1.850,355	17.618,290	9,522	9,054
15	13	98.791	41.222,112	690.240,200	16,744	16,276	65	63	75.367	1.707,257	15.767,935	9,236	8,768
16	14	98.758	38.875,844	649.018,089	16,695	16,227	66	64	73.543	1.571,650	14.060,677	8,946	8,478
17	15	98.709	36.657,006	610.142,245	16,645	16,177	67	65	71.609	1.443,683	12.489,027	8,651	8,183
18	16	98.641	34.558,377	573.485,239	16,595	16,127	68	66	69.502	1.321,906	11.045,345	8,356	7,888
19	17	98.546	32.570,614	538.926,862	16,546	16,078	69	67	67.245	1.206,573	9.723,439	8,059	7,591
20	18	98.445	30.695,492	506.356,248	16,496	16,028	70	68	64.847	1.097,691	8.516,865	7,759	7,291
21	19	98.341	28.927,674	475.660,756	16,443	15,975	71	69	62.277	994,519	7.419,174	7,460	6,992
22	20	98.237	27.261,301	446.733,082	16,387	15,919	72	70	59.547	897,087	6.424,655	7,162	6,694
23	21	98.132	25.690,701	419.471,781	16,328	15,860	73	71	56.634	804,909	5.527,568	6,867	6,399
24	22	98.035	24.212,620	393.781,080	16,263	15,795	74	72	53.555	718,064	4.722,659	6,577	6,109
25	23	97.938	22.819,341	369.568,460	16,195	15,727	75	73	50.356	636,963	4.004,596	6,287	5,819
26	24	97.840	21.506,321	346.749,119	16,123	15,655	76	74	47.050	561,450	3.367,632	5,998	5,530
27	25	97.744	20.268,964	325.242,798	16,046	15,578	77	75	43.685	491,792	2.806,183	5,706	5,238
28	26	97.650	19.103,287	304.973,834	15,964	15,497	78	76	40.223	427,189	2.314,391	5,418	4,950
29	27	97.551	18.003,681	285.870,546	15,878	15,410	79	77	36.688	367,586	1.887,202	5,134	4,666
30	28	97.454	16.967,712	267.866,866	15,787	15,319	80	78	33.131	313,156	1.519,616	4,853	4,385
31	29	97.354	15.990,833	250.899,154	15,690	15,222	81	79	29.532	263,339	1.206,461	4,581	4,113
32	30	97.248	15.069,367	234.908,320	15,588	15,121	82	80	25.967	218,443	943,122	4,317	3,850
33	31	97.137	14.200,086	219.838,953	15,482	15,014	83	81	22.383	177,638	724,679	4,080	3,612
34	32	97.017	13.379,775	205.638,867	15,369	14,901	84	82	18.982	142,117	547,041	3,849	3,381
35	33	96.890	12.605,890	192.259,092	15,252	14,784	85	83	15.797	111,580	404,924	3,629	3,161
36	34	96.750	11.875,157	179.653,202	15,128	14,661	86	84	12.961	86,366	293,344	3,397	2,929
37	35	96.595	11.185,086	167.778,045	15,000	14,532	87	85	10.341	65,004	206,978	3,184	2,716
38	36	96.429	10.533,824	156.592,959	14,866	14,398	88	86	8.025	47,590	141,974	2,983	2,515
39	37	96.242	9.918,264	146.059,136	14,726	14,258	89	87	6.022	33,689	94,384	2,802	2,334
40	38	96.035	9.336,703	136.140,872	14,581	14,113	90	88	4.357	22,995	60,695	2,639	2,172
41	39	95.802	8.786,890	126.804,169	14,431	13,963	91	89	3.050	15,185	37,700	2,483	2,015
42	40	95.544	8.267,150	118.017,279	14,275	13,807	92	90	2.045	9,607	22,515	2,344	1,876
43	41	95.250	7.775,226	109.750,129	14,115	13,647	93	91	1.317	5,838	12,909	2,211	1,743
44	42	94.920	7.309,728	101.974,903	13,951	13,483	94	92	805	3,367	7,070	2,100	1,632
45	43	94.559	6.869,734	94.665,174	13,780	13,312	95	93	470	1,853	3,703	1,998	1,530
46	44	94.146	6.452,553	87.795,440	13,606	13,138	96	94	261	0,971	1,850	1,906	1,438
47	45	93.696	6.058,207	81.342,887	13,427	12,959	97	95	137	0,483	0,879	1,822	1,354
48	46	93.197	5.684,838	75.284,680	13,243	12,775	98	96	69	0,227	0,397	1,746	1,278
49	47	92.649	5.331,568	69.599,841	13,054	12,586	99	97	32	0,101	0,169	1,676	1,208
							100	98	14	0,042	0,068	1,613	1,145

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 3 Jahre

Zinsfuß 6,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	47	92.234	5.007,206	64.684,213	12,918	12,450
1							51	48	91.598	4.691,231	59.677,007	12,721	12,253
2							52	49	90.930	4.393,427	54.985,777	12,515	12,047
3	0	99.484	83.528,283	1.429.665,947	17,116	16,648	53	50	90.179	4.110,517	50.592,349	12,308	11,840
4	1	99.088	78.486,747	1.346.137,664	17,151	16,683	54	51	89.386	3.843,736	46.481,832	12,093	11,625
5	2	99.039	74.007,657	1.267.650,917	17,129	16,661	55	52	88.533	3.591,542	42.638,096	11,872	11,404
6	3	99.006	69.795,181	1.193.643,260	17,102	16,634	56	53	87.604	3.352,718	39.046,555	11,646	11,178
7	4	98.977	65.825,536	1.123.848,079	17,073	16,605	57	54	86.644	3.128,262	35.693,837	11,410	10,942
8	5	98.952	62.083,874	1.058.022,543	17,042	16,574	58	55	85.595	2.915,479	32.565,575	11,170	10,702
9	6	98.928	58.555,073	995.938,669	17,009	16,541	59	56	84.459	2.713,923	29.650,096	10,925	10,457
10	7	98.909	55.230,376	937.383,596	16,972	16,504	60	57	83.235	2.523,222	26.936,173	10,675	10,207
11	8	98.891	52.094,695	882.153,220	16,934	16,466	61	58	81.931	2.343,095	24.412,950	10,419	9,951
12	9	98.868	49.134,122	830.058,525	16,894	16,426	62	59	80.557	2.173,399	22.069,855	10,155	9,687
13	10	98.848	46.343,897	780.924,403	16,851	16,383	63	60	79.068	2.012,425	19.896,456	9,887	9,419
14	11	98.827	43.711,312	734.580,506	16,805	16,337	64	61	77.496	1.860,827	17.883,981	9,611	9,143
15	12	98.800	41.225,613	690.869,194	16,758	16,290	65	62	75.844	1.718,069	16.023,154	9,326	8,858
16	13	98.768	38.879,611	649.643,581	16,709	16,241	66	63	74.047	1.582,413	14.305,085	9,040	8,572
17	14	98.720	36.661,277	610.763,970	16,660	16,192	67	64	72.136	1.454,318	12.722,672	8,748	8,280
18	15	98.659	34.564,553	574.102,692	16,610	16,142	68	65	70.075	1.332,792	11.268,354	8,455	7,987
19	16	98.567	32.577,513	539.538,140	16,562	16,094	69	66	67.859	1.217,600	9.935,562	8,160	7,692
20	17	98.466	30.702,247	506.960,626	16,512	16,044	70	67	65.513	1.108,964	8.717,962	7,861	7,393
21	18	98.370	28.935,995	476.258,379	16,459	15,991	71	68	62.998	1.006,026	7.608,998	7,563	7,095
22	19	98.264	27.268,860	447.322,384	16,404	15,936	72	69	60.316	908,680	6.602,972	7,267	6,799
23	20	98.163	25.698,818	420.053,524	16,345	15,877	73	70	57.450	816,514	5.694,292	6,974	6,506
24	21	98.059	24.218,546	394.354,706	16,283	15,815	74	71	54.437	729,897	4.877,778	6,683	6,215
25	22	97.964	22.825,521	370.136,160	16,216	15,748	75	72	51.281	648,658	4.147,881	6,395	5,927
26	23	97.866	21.511,934	347.310,639	16,145	15,677	76	73	48.028	573,126	3.499,223	6,106	5,638
27	24	97.771	20.274,472	325.798,705	16,069	15,601	77	74	44.703	503,246	2.926,097	5,814	5,346
28	25	97.674	19.107,989	305.524,233	15,989	15,521	78	75	41.294	438,559	2.422,851	5,525	5,057
29	26	97.578	18.008,722	286.416,244	15,904	15,436	79	76	37.782	378,544	1.984,292	5,242	4,774
30	27	97.482	16.972,658	268.407,521	15,814	15,346	80	77	34.245	323,686	1.605,747	4,961	4,493
31	28	97.383	15.995,581	251.434,863	15,719	15,251	81	78	30.668	273,474	1.282,061	4,688	4,220
32	29	97.277	15.073,779	235.439,282	15,619	15,151	82	79	27.107	228,035	1.008,587	4,423	3,955
33	30	97.169	14.204,737	220.365,503	15,514	15,046	83	80	23.529	186,735	780,552	4,180	3,712
34	31	97.052	13.384,556	206.160,766	15,403	14,935	84	81	20.102	150,507	593,817	3,945	3,477
35	32	96.924	12.610,374	192.776,209	15,287	14,819	85	82	16.889	119,289	443,310	3,716	3,248
36	33	96.789	11.879,904	180.165,835	15,166	14,698	86	83	13.962	93,032	324,021	3,483	3,015
37	34	96.641	11.190,332	168.285,932	15,039	14,571	87	84	11.244	70,684	230,988	3,268	2,800
38	35	96.479	10.539,219	157.095,600	14,906	14,438	88	85	8.788	52,115	160,304	3,076	2,608
39	36	96.296	9.923,876	146.556,381	14,768	14,300	89	86	6.697	37,466	108,189	2,888	2,420
40	37	96.094	9.342,432	136.632,505	14,625	14,157	90	87	4.939	26,068	70,723	2,713	2,245
41	38	95.869	8.793,041	127.290,073	14,476	14,008	91	88	3.511	17,485	44,655	2,554	2,086
42	39	95.620	8.273,771	118.497,032	14,322	13,854	92	89	2.401	11,278	27,171	2,409	1,941
43	40	95.333	7.781,997	110.223,261	14,164	13,696	93	90	1.575	6,979	15,893	2,277	1,809
44	41	95.014	7.316,961	102.441,265	14,001	13,533	94	91	991	4,144	8,913	2,151	1,683
45	42	94.666	6.877,469	95.124,304	13,831	13,363	95	92	591	2,332	4,770	2,045	1,577
46	43	94.268	6.460,939	88.246,834	13,659	13,191	96	93	336	1,251	2,438	1,949	1,481
47	44	93.826	6.066,652	81.785,895	13,481	13,013	97	94	182	0,638	1,187	1,861	1,393
48	45	93.345	5.693,869	75.719,243	13,298	12,830	98	95	93	0,308	0,549	1,781	1,313
49	46	92.816	5.341,161	70.025,374	13,111	12,643	99	96	45	0,141	0,241	1,709	1,241
							100	97	21	0,061	0,100	1,643	1,175

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 4 Jahre

Zinsfuß 6,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	46	92.399	5.016,215	65.068,066	12,972	12,504
1							51	47	91.776	4.700,371	60.051,851	12,776	12,308
2							52	48	91.123	4.402,761	55.351,480	12,572	12,104
3							53	49	90.397	4.120,434	50.948,720	12,365	11,897
4	0	99.465	78.785,892	1.347.104,491	17,098	16,630	54	50	89.613	3.853,472	46.828,285	12,152	11,684
5	1	99.074	74.034,171	1.268.318,599	17,132	16,664	55	51	88.779	3.601,544	42.974,813	11,932	11,464
6	2	99.025	69.808,983	1.194.284,427	17,108	16,640	56	52	87.870	3.362,884	39.373,269	11,708	11,240
7	3	98.994	65.836,836	1.124.475,444	17,080	16,612	57	53	86.918	3.138,171	36.010,385	11,475	11,007
8	4	98.965	62.091,894	1.058.638,608	17,050	16,582	58	54	85.894	2.925,655	32.872,214	11,236	10,768
9	5	98.940	58.562,729	996.546,714	17,017	16,549	59	55	84.780	2.724,240	29.946,559	10,993	10,525
10	6	98.918	55.235,466	937.983,985	16,982	16,514	60	56	83.571	2.533,393	27.222,319	10,745	10,277
11	7	98.900	52.099,232	882.748,519	16,944	16,476	61	57	82.298	2.353,599	24.688,926	10,490	10,022
12	8	98.877	49.138,838	830.649,287	16,904	16,436	62	58	80.947	2.183,916	22.335,327	10,227	9,759
13	9	98.855	46.346,892	781.510,448	16,862	16,394	63	59	79.472	2.022,759	20.151,411	9,962	9,494
14	10	98.835	43.714,989	735.163,557	16,817	16,349	64	60	77.925	1.871,126	18.128,652	9,689	9,221
15	11	98.809	41.229,479	691.448,568	16,771	16,303	65	61	76.273	1.727,792	16.257,526	9,409	8,941
16	12	98.776	38.882,914	650.219,089	16,722	16,255	66	62	74.516	1.592,434	14.529,734	9,124	8,656
17	13	98.730	36.664,830	611.336,175	16,674	16,206	67	63	72.630	1.464,278	12.937,300	8,835	8,367
18	14	98.670	34.568,581	574.671,345	16,624	16,156	68	64	70.591	1.342,610	11.473,022	8,545	8,077
19	15	98.584	32.583,335	540.102,765	16,576	16,108	69	65	68.418	1.227,627	10.130,412	8,252	7,784
20	16	98.487	30.708,750	507.519,430	16,527	16,059	70	66	66.112	1.119,099	8.902,786	7,955	7,487
21	17	98.391	28.942,363	476.810,680	16,474	16,007	71	67	63.645	1.016,357	7.783,686	7,658	7,190
22	18	98.293	27.276,705	447.868,316	16,419	15,951	72	68	61.014	919,194	6.767,330	7,362	6,894
23	19	98.190	25.705,944	420.591,611	16,362	15,894	73	69	58.193	827,066	5.848,136	7,071	6,603
24	20	98.090	24.226,198	394.885,668	16,300	15,832	74	70	55.222	740,421	5.021,070	6,781	6,313
25	21	97.988	22.831,107	370.659,470	16,235	15,767	75	71	52.126	659,348	4.280,649	6,492	6,024
26	22	97.893	21.517,759	347.828,363	16,165	15,697	76	72	48.910	583,648	3.621,302	6,205	5,737
27	23	97.796	20.279,763	326.310,603	16,090	15,622	77	73	45.632	513,712	3.037,653	5,913	5,445
28	24	97.701	19.113,182	306.030,840	16,012	15,544	78	74	42.256	448,774	2.523,941	5,624	5,156
29	25	97.602	18.013,155	286.917,658	15,928	15,460	79	75	38.787	388,620	2.075,167	5,340	4,872
30	26	97.510	16.977,411	268.904,503	15,839	15,371	80	76	35.266	333,336	1.686,547	5,060	4,592
31	27	97.411	16.000,244	251.927,092	15,745	15,277	81	77	31.700	282,670	1.353,211	4,787	4,319
32	28	97.306	15.078,255	235.926,848	15,647	15,179	82	78	28.150	236,812	1.070,541	4,521	4,053
33	29	97.197	14.208,896	220.848,593	15,543	15,075	83	79	24.563	194,935	833,729	4,277	3,809
34	30	97.084	13.388,940	206.639,697	15,434	14,966	84	80	21.132	158,214	638,794	4,038	3,570
35	31	96.959	12.614,880	193.250,757	15,319	14,851	85	81	17.886	126,332	480,580	3,804	3,336
36	32	96.823	11.884,130	180.635,877	15,200	14,732	86	82	14.926	99,460	354,248	3,562	3,094
37	33	96.679	11.194,805	168.751,747	15,074	14,606	87	83	12.112	76,140	254,789	3,346	2,878
38	34	96.524	10.544,163	157.556,942	14,943	14,475	88	84	9.556	56,669	178,648	3,152	2,685
39	35	96.346	9.928,959	147.012,780	14,806	14,338	89	85	7.333	41,028	121,979	2,973	2,505
40	36	96.148	9.347,717	137.083,821	14,665	14,197	90	86	5.493	28,990	80,951	2,792	2,324
41	37	95.928	8.798,436	127.736,103	14,518	14,050	91	87	3.981	19,821	51,961	2,621	2,154
42	38	95.687	8.279,563	118.937,667	14,365	13,897	92	88	2.765	12,986	32,140	2,475	2,007
43	39	95.409	7.788,229	110.658,104	14,208	13,740	93	89	1.849	8,194	19,153	2,338	1,870
44	40	95.097	7.323,332	102.869,875	14,047	13,579	94	90	1.185	4,953	10,960	2,213	1,745
45	41	94.759	6.884,274	95.546,543	13,879	13,411	95	91	728	2,870	6,006	2,093	1,625
46	42	94.374	6.468,214	88.662,269	13,707	13,239	96	92	423	1,574	3,136	1,993	1,525
47	43	93.948	6.074,537	82.194,055	13,531	13,063	97	93	234	0,822	1,562	1,901	1,433
48	44	93.475	5.701,806	76.119,518	13,350	12,882	98	94	123	0,407	0,741	1,818	1,350
49	45	92.963	5.349,645	70.417,712	13,163	12,695	99	95	61	0,191	0,333	1,742	1,274
							100	96	29	0,085	0,142	1,673	1,205

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 5 Jahre

Zinsfuß 6,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	45	92.546	5.024,183	65.421,726	13,021	12,553
1							51	46	91.942	4.708,828	60.397,543	12,826	12,358
2							52	47	91.301	4.411,339	55.688,715	12,624	12,156
3							53	48	90.589	4.129,188	51.277,376	12,418	11,950
4							54	49	89.829	3.862,769	47.148,188	12,206	11,738
5	0	99.452	74.316,346	1.269.213,919	17,079	16,611	55	50	89.004	3.610,667	43.285,419	11,988	11,520
6	1	99.061	69.833,994	1.194.897,573	17,111	16,643	56	51	88.115	3.372,250	39.674,752	11,765	11,297
7	2	99.014	65.849,856	1.125.063,579	17,085	16,617	57	52	87.182	3.147,687	36.302,502	11,533	11,065
8	3	98.982	62.102,554	1.059.213,723	17,056	16,588	58	53	86.166	2.934,922	33.154,815	11,297	10,829
9	4	98.953	58.570,293	997.111,170	17,024	16,556	59	54	85.076	2.733,748	30.219,893	11,054	10,586
10	5	98.931	55.242,687	938.540,876	16,989	16,521	60	55	83.888	2.543,023	27.486,145	10,808	10,340
11	6	98.909	52.104,033	883.298,189	16,953	16,485	61	56	82.630	2.363,086	24.943,122	10,555	10,087
12	7	98.886	49.143,118	831.194,156	16,914	16,446	62	57	81.310	2.193,707	22.580,035	10,293	9,825
13	8	98.864	46.351,341	782.051,037	16,872	16,404	63	58	79.856	2.032,547	20.386,328	10,030	9,562
14	9	98.842	43.717,813	735.699,696	16,828	16,360	64	59	78.323	1.880,687	18.353,782	9,759	9,291
15	10	98.817	41.232,947	691.981,883	16,782	16,314	65	60	76.695	1.737,355	16.473,095	9,482	9,014
16	11	98.786	38.886,560	650.748,936	16,735	16,267	66	61	74.938	1.601,446	14.735,740	9,202	8,734
17	12	98.738	36.667,944	611.862,376	16,687	16,219	67	62	73.090	1.473,551	13.134,294	8,913	8,445
18	13	98.680	34.571,930	575.194,432	16,638	16,170	68	63	71.074	1.351,805	11.660,743	8,626	8,158
19	14	98.596	32.587,132	540.622,502	16,590	16,122	69	64	68.922	1.236,670	10.308,939	8,336	7,868
20	15	98.505	30.714,238	508.035,369	16,541	16,073	70	65	66.656	1.128,314	9.072,268	8,041	7,573
21	16	98.412	28.948,494	477.321,131	16,489	16,021	71	66	64.226	1.025,646	7.943,954	7,745	7,277
22	17	98.314	27.282,707	448.372,637	16,434	15,966	72	67	61.641	928,633	6.918,308	7,450	6,982
23	18	98.219	25.713,339	421.089,930	16,376	15,908	73	68	58.866	836,635	5.989,675	7,159	6,691
24	19	98.117	24.232,915	395.376,591	16,316	15,848	74	69	55.936	749,989	5.153,040	6,871	6,403
25	20	98.019	22.838,321	371.143,676	16,251	15,783	75	70	52.878	668,854	4.403,051	6,583	6,115
26	21	97.916	21.523,025	348.305,355	16,183	15,715	76	71	49.716	593,266	3.734,196	6,294	5,826
27	22	97.823	20.285,255	326.782,330	16,109	15,641	77	72	46.470	523,144	3.140,930	6,004	5,536
28	23	97.726	19.118,170	306.497,074	16,032	15,564	78	73	43.134	458,107	2.617,786	5,714	5,246
29	24	97.629	18.018,050	287.378,904	15,950	15,482	79	74	39.691	397,672	2.159,679	5,431	4,963
30	25	97.534	16.981,590	269.360,854	15,862	15,394	80	75	36.204	342,208	1.762,007	5,149	4,681
31	26	97.438	16.004,725	252.379,264	15,769	15,301	81	76	32.645	291,097	1.419,799	4,877	4,409
32	27	97.334	15.082,650	236.374,539	15,672	15,204	82	77	29.097	244,775	1.128,702	4,611	4,143
33	28	97.226	14.213,115	221.291,889	15,570	15,102	83	78	25.508	202,438	883,927	4,366	3,898
34	29	97.112	13.392,860	207.078,774	15,462	14,994	84	79	22.060	165,162	681,489	4,126	3,658
35	30	96.991	12.619,012	193.685,914	15,349	14,881	85	80	18.802	132,801	516,327	3,888	3,420
36	31	96.858	11.888,376	181.066,902	15,231	14,763	86	81	15.807	105,331	383,526	3,641	3,173
37	32	96.714	11.198,787	169.178,526	15,107	14,639	87	82	12.949	81,401	278,195	3,418	2,950
38	33	96.563	10.548,377	157.979,739	14,977	14,509	88	83	10.293	61,043	196,794	3,224	2,756
39	34	96.391	9.933,616	147.431,362	14,842	14,374	89	84	7.974	44,614	135,751	3,043	2,575
40	35	96.197	9.352,505	137.497,746	14,702	14,234	90	85	6.015	31,747	91,137	2,871	2,403
41	36	95.982	8.803,414	128.145,240	14,556	14,088	91	86	4.427	22,043	59,390	2,694	2,226
42	37	95.746	8.284,643	119.341,826	14,405	13,937	92	87	3.134	14,722	37,347	2,537	2,069
43	38	95.476	7.793,681	111.057,183	14,250	13,782	93	88	2.129	9,435	22,625	2,398	1,930
44	39	95.173	7.329,197	103.263,502	14,089	13,621	94	89	1.391	5,815	13,191	2,268	1,800
45	40	94.842	6.890,269	95.934,305	13,923	13,455	95	90	870	3,431	7,375	2,150	1,682
46	41	94.468	6.474,614	89.044,036	13,753	13,285	96	91	521	1,937	3,945	2,037	1,569
47	42	94.054	6.081,377	82.569,422	13,577	13,109	97	92	295	1,034	2,008	1,942	1,474
48	43	93.596	5.709,217	76.488,045	13,397	12,929	98	93	159	0,525	0,974	1,855	1,387
49	44	93.093	5.357,102	70.778,828	13,212	12,744	99	94	81	0,253	0,449	1,776	1,308
							100	95	39	0,115	0,196	1,704	1,236

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 6 Jahre

Zinsfuß 6,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	44	92.675	5.031,187	65.747,039	13,068	12,600
1							51	45	92.088	4.716,308	60.715,852	12,874	12,406
2							52	46	91.465	4.419,276	55.999,544	12,672	12,204
3							53	47	90.766	4.137,233	51.580,268	12,467	11,999
4							54	48	90.020	3.870,975	47.443,035	12,256	11,788
5							55	49	89.219	3.619,378	43.572,060	12,039	11,571
6	0	99.438	70.100,160	1.195.726,567	17,057	16,589	56	50	88.338	3.380,792	39.952,682	11,818	11,350
7	1	99.049	65.873,448	1.125.626,408	17,088	16,620	57	51	87.425	3.156,454	36.571,890	11,586	11,118
8	2	99.002	62.114,835	1.059.752,960	17,061	16,593	58	52	86.427	2.943,822	33.415,436	11,351	10,883
9	3	98.970	58.580,349	997.638,125	17,030	16,562	59	53	85.345	2.742,408	30.471,615	11,111	10,643
10	4	98.944	55.249,823	939.057,777	16,997	16,529	60	54	84.181	2.551,899	27.729,207	10,866	10,398
11	5	98.922	52.110,845	883.807,954	16,960	16,492	61	55	82.944	2.372,069	25.177,308	10,614	10,146
12	6	98.895	49.147,647	831.697,109	16,922	16,454	62	56	81.637	2.202,550	22.805,239	10,354	9,886
13	7	98.873	46.355,378	782.549,461	16,882	16,414	63	57	80.214	2.041,659	20.602,689	10,091	9,623
14	8	98.851	43.722,010	736.194,083	16,838	16,370	64	58	78.702	1.889,787	18.561,030	9,822	9,354
15	9	98.824	41.235,611	692.472,073	16,793	16,325	65	59	77.087	1.746,232	16.671,243	9,547	9,079
16	10	98.794	38.889,831	651.236,462	16,746	16,278	66	60	75.352	1.610,310	14.925,011	9,268	8,800
17	11	98.748	36.671,383	612.346,631	16,698	16,230	67	61	73.504	1.481,890	13.314,701	8,985	8,517
18	12	98.688	34.574,867	575.675,248	16,650	16,182	68	62	71.524	1.360,365	11.832,811	8,698	8,230
19	13	98.605	32.590,290	541.100,381	16,603	16,135	69	63	69.394	1.245,140	10.472,446	8,411	7,943
20	14	98.516	30.717,817	508.510,091	16,554	16,086	70	64	67.147	1.136,626	9.227,307	8,118	7,650
21	15	98.430	28.953,667	477.792,274	16,502	16,034	71	65	64.755	1.034,091	8.090,680	7,824	7,356
22	16	98.335	27.288,486	448.838,607	16,448	15,980	72	66	62.204	937,120	7.056,589	7,530	7,062
23	17	98.240	25.718,998	421.550,121	16,391	15,923	73	67	59.470	845,227	6.119,469	7,240	6,772
24	18	98.146	24.239,887	395.831,123	16,330	15,862	74	68	56.583	758,667	5.274,242	6,952	6,484
25	19	98.046	22.844,653	371.591,236	16,266	15,798	75	69	53.561	677,498	4.515,575	6,665	6,197
26	20	97.947	21.529,826	348.746,583	16,198	15,730	76	70	50.433	601,820	3.838,077	6,377	5,909
27	21	97.846	20.290,220	327.216,757	16,127	15,659	77	71	47.236	531,765	3.236,256	6,086	5,618
28	22	97.753	19.123,347	306.926,538	16,050	15,582	78	72	43.926	466,518	2.704,492	5,797	5,329
29	23	97.654	18.022,752	287.803,190	15,969	15,501	79	73	40.516	405,942	2.237,974	5,513	5,045
30	24	97.560	16.986,205	269.780,438	15,882	15,414	80	74	37.048	350,179	1.832,032	5,232	4,764
31	25	97.462	16.008,664	252.794,233	15,791	15,323	81	75	33.514	298,845	1.481,853	4,959	4,491
32	26	97.361	15.086,874	236.785,569	15,695	15,227	82	76	29.964	252,072	1.183,008	4,693	4,225
33	27	97.254	14.217,258	221.698,695	15,594	15,126	83	77	26.366	209,245	930,936	4,449	3,981
34	28	97.141	13.396,837	207.481,437	15,487	15,019	84	78	22.909	171,519	721,691	4,208	3,740
35	29	97.019	12.622,707	194.084,600	15,376	14,908	85	79	19.627	138,633	550,172	3,969	3,501
36	30	96.889	11.892,270	181.461,894	15,259	14,791	86	80	16.617	110,725	411,539	3,717	3,249
37	31	96.748	11.202,789	169.569,624	15,136	14,668	87	81	13.714	86,206	300,814	3,489	3,022
38	32	96.597	10.552,129	158.366,835	15,008	14,540	88	82	11.004	65,261	214,608	3,288	2,820
39	33	96.429	9.937,587	147.814,706	14,874	14,406	89	83	8.590	48,057	149,347	3,108	2,640
40	34	96.242	9.356,892	137.877,119	14,735	14,267	90	84	6.540	34,521	101,290	2,934	2,466
41	35	96.032	8.807,923	128.520,226	14,591	14,123	91	85	4.848	24,139	66,769	2,766	2,298
42	36	95.800	8.289,330	119.712,303	14,442	13,974	92	86	3.485	16,372	42,630	2,604	2,136
43	37	95.535	7.798,463	111.422,973	14,288	13,820	93	87	2.413	10,695	26,257	2,455	1,987
44	38	95.240	7.334,328	103.624,510	14,129	13,661	94	88	1.602	6,696	15,562	2,324	1,856
45	39	94.918	6.895,787	96.290,182	13,964	13,496	95	89	1.021	4,028	8,866	2,201	1,733
46	40	94.550	6.480,252	89.394,394	13,795	13,327	96	90	622	2,316	4,838	2,089	1,622
47	41	94.147	6.087,394	82.914,143	13,621	13,153	97	91	363	1,273	2,523	1,982	1,514
48	42	93.702	5.715,645	76.826,749	13,441	12,974	98	92	199	0,661	1,250	1,892	1,424
49	43	93.214	5.364,065	71.111,104	13,257	12,789	99	93	104	0,326	0,589	1,810	1,342
							100	94	52	0,152	0,264	1,735	1,268

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 7 Jahre

Zinsfuß 6,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	43	92.796	5.037,726	66.046,222	13,110	12,642
1							51	44	92.216	4.722,883	61.008,496	12,918	12,450
2							52	45	91.611	4.426,296	56.285,614	12,716	12,248
3							53	46	90.929	4.144,677	51.859,317	12,512	12,044
4							54	47	90.195	3.878,517	47.714,640	12,302	11,834
5							55	48	89.408	3.627,067	43.836,123	12,086	11,618
6							56	49	88.551	3.388,948	40.209,056	11,865	11,397
7	0	99.427	66.124,518	1.126.393,941	17,034	16,566	57	50	87.646	3.164,449	36.820,108	11,636	11,168
8	1	99.037	62.137,088	1.060.269,423	17,063	16,595	58	51	86.668	2.952,020	33.655,659	11,401	10,933
9	2	98.990	58.591,933	998.132,335	17,035	16,567	59	52	85.604	2.750,724	30.703,639	11,162	10,694
10	3	98.961	55.259,308	939.540,402	17,002	16,534	60	53	84.448	2.559,983	27.952,915	10,919	10,451
11	4	98.935	52.117,577	884.281,094	16,967	16,503	61	54	83.234	2.380,348	25.392,933	10,668	10,200
12	5	98.908	49.154,073	832.163,517	16,930	16,462	62	55	81.948	2.210,922	23.012,584	10,409	9,941
13	6	98.882	46.359,650	783.009,444	16,890	16,422	63	56	80.538	2.049,889	20.801,662	10,148	9,680
14	7	98.860	43.725,818	736.649,795	16,847	16,379	64	57	79.055	1.898,259	18.751,774	9,878	9,410
15	8	98.833	41.239,570	692.923,976	16,802	16,334	65	58	77.460	1.754,682	16.853,514	9,605	9,137
16	9	98.800	38.892,344	651.684,406	16,756	16,288	66	59	75.737	1.618,538	15.098,832	9,329	8,861
17	10	98.756	36.674,467	612.792,063	16,709	16,241	67	60	73.910	1.490,092	13.480,294	9,047	8,579
18	11	98.698	34.578,109	576.117,595	16,661	16,193	68	61	71.929	1.368,064	11.990,203	8,764	8,296
19	12	98.614	32.593,058	541.539,486	16,615	16,147	69	62	69.834	1.253,025	10.622,139	8,477	8,009
20	13	98.526	30.720,794	508.946,428	16,567	16,099	70	63	67.607	1.144,410	9.369,114	8,187	7,719
21	14	98.441	28.957,041	478.225,634	16,515	16,047	71	64	65.232	1.041,709	8.224,704	7,895	7,427
22	15	98.353	27.293,363	449.268,593	16,461	15,993	72	65	62.716	944,837	7.182,994	7,602	7,134
23	16	98.261	25.724,445	421.975,230	16,404	15,936	73	66	60.014	852,952	6.238,157	7,314	6,846
24	17	98.167	24.245,221	396.250,784	16,343	15,875	74	67	57.164	766,458	5.385,206	7,026	6,558
25	18	98.075	22.851,225	372.005,563	16,279	15,811	75	68	54.181	685,337	4.618,748	6,739	6,271
26	19	97.975	21.535,796	349.154,338	16,213	15,745	76	69	51.085	609,598	3.933,411	6,452	5,985
27	20	97.877	20.296,630	327.618,543	16,142	15,674	77	70	47.917	539,432	3.323,813	6,162	5,694
28	21	97.776	19.128,028	307.321,912	16,067	15,599	78	71	44.650	474,206	2.784,381	5,872	5,404
29	22	97.681	18.027,633	288.193,885	15,986	15,518	79	72	41.260	413,395	2.310,175	5,588	5,120
30	23	97.586	16.990,638	270.166,252	15,901	15,433	80	73	37.818	357,461	1.896,780	5,306	4,838
31	24	97.489	16.013,015	253.175,614	15,811	15,343	81	74	34.294	305,806	1.539,319	5,034	4,566
32	25	97.385	15.090,587	237.162,599	15,716	15,248	82	75	30.762	258,782	1.233,513	4,767	4,299
33	26	97.282	14.221,240	222.072,012	15,616	15,148	83	76	27.152	215,483	974,732	4,523	4,056
34	27	97.169	13.400,742	207.850,773	15,510	15,042	84	77	23.679	177,287	759,249	4,283	3,815
35	28	97.048	12.626,454	194.450,030	15,400	14,932	85	78	20.383	143,968	581,962	4,042	3,574
36	29	96.918	11.895,752	181.823,576	15,285	14,817	86	79	17.347	115,587	437,994	3,789	3,321
37	30	96.780	11.206,458	169.927,824	15,163	14,695	87	80	14.416	90,621	322,406	3,558	3,090
38	31	96.631	10.555,900	158.721,366	15,036	14,568	88	81	11.654	69,113	231,786	3,354	2,886
39	32	96.464	9.941,122	148.165,466	14,904	14,436	89	82	9.183	51,377	162,672	3,166	2,698
40	33	96.281	9.360,632	138.224,344	14,767	14,299	90	83	7.045	37,186	111,295	2,993	2,525
41	34	96.077	8.812,055	128.863,712	14,624	14,156	91	84	5.272	26,249	74,109	2,823	2,355
42	35	95.849	8.293,576	120.051,658	14,475	14,007	92	85	3.817	17,929	47,861	2,669	2,201
43	36	95.589	7.802,875	111.758,081	14,323	13,855	93	86	2.684	11,894	29,932	2,516	2,048
44	37	95.298	7.338,828	103.955,206	14,165	13,697	94	87	1.816	7,591	18,037	2,376	1,908
45	38	94.984	6.900,614	96.616,377	14,001	13,533	95	88	1.176	4,638	10,446	2,253	1,785
46	39	94.626	6.485,442	89.715,763	13,833	13,365	96	89	731	2,718	5,809	2,137	1,669
47	40	94.229	6.092,694	83.230,321	13,661	13,193	97	90	433	1,521	3,090	2,031	1,563
48	41	93.794	5.721,300	77.137,627	13,483	13,015	98	91	245	0,813	1,569	1,930	1,462
49	42	93.319	5.370,105	71.416,327	13,299	12,831	99	92	131	0,410	0,756	1,845	1,377
							100	93	66	0,196	0,346	1,767	1,299

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 8 Jahre

Zinsfuß 6,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	42	92.900	5.043,398	66.320,928	13,150	12,682
1							51	43	92.336	4.729,021	61.277,531	12,958	12,490
2							52	44	91.738	4.432,466	56.548,510	12,758	12,290
3							53	45	91.073	4.151,261	52.116,043	12,554	12,086
4							54	46	90.357	3.885,496	47.964,782	12,345	11,877
5							55	47	89.583	3.634,134	44.079,287	12,129	11,661
6							56	48	88.739	3.396,148	40.445,153	11,909	11,441
7							57	49	87.858	3.172,083	37.049,005	11,680	11,212
8	0	99.415	62.373,918	1.060.980,040	17,010	16,542	58	50	86.888	2.959,498	33.876,922	11,447	10,979
9	1	99.025	58.612,925	998.606,122	17,037	16,569	59	51	85.842	2.758,384	30.917,424	11,209	10,741
10	2	98.981	55.270,236	939.993,197	17,007	16,539	60	52	84.704	2.567,745	28.159,040	10,966	10,498
11	3	98.952	52.126,524	884.722,962	16,973	16,505	61	53	83.497	2.387,888	25.591,295	10,717	10,249
12	4	98.920	49.160,422	832.596,438	16,936	16,468	62	54	82.234	2.218,639	23.203,406	10,458	9,990
13	5	98.895	46.365,711	783.436,016	16,897	16,429	63	55	80.844	2.057,681	20.984,767	10,198	9,730
14	6	98.869	43.729,848	737.070,305	16,855	16,387	64	56	79.374	1.905,911	18.927,087	9,931	9,463
15	7	98.842	41.243,162	693.340,457	16,811	16,343	65	57	77.808	1.762,549	17.021,175	9,657	9,189
16	8	98.810	38.896,077	652.097,295	16,765	16,297	66	58	76.104	1.626,370	15.258,627	9,382	8,914
17	9	98.762	36.676,837	613.201,218	16,719	16,251	67	59	74.288	1.497,706	13.632,257	9,102	8,634
18	10	98.706	34.581,017	576.524,381	16,672	16,204	68	60	72.327	1.375,636	12.134,551	8,821	8,353
19	11	98.623	32.596,115	541.943,363	16,626	16,158	69	61	70.229	1.260,116	10.758,916	8,538	8,070
20	12	98.534	30.723,403	509.347,248	16,578	16,111	70	62	68.035	1.151,658	9.498,800	8,248	7,780
21	13	98.451	28.959,847	478.623,845	16,527	16,059	71	63	65.679	1.048,843	8.347,142	7,958	7,490
22	14	98.364	27.296,544	449.663,998	16,473	16,005	72	64	63.178	951,797	7.298,299	7,668	7,200
23	15	98.279	25.729,042	422.367,454	16,416	15,948	73	65	60.508	859,975	6.346,501	7,380	6,912
24	16	98.188	24.250,357	396.638,412	16,356	15,888	74	66	57.686	773,463	5.486,526	7,093	6,625
25	17	98.096	22.856,254	372.388,055	16,293	15,825	75	67	54.737	692,375	4.713,063	6,807	6,339
26	18	98.003	21.541,991	349.531,801	16,226	15,758	76	68	51.676	616,651	4.020,689	6,520	6,052
27	19	97.905	20.302,258	327.989,810	16,155	15,687	77	69	48.536	546,403	3.404,038	6,230	5,762
28	20	97.807	19.134,071	307.687,552	16,081	15,613	78	70	45.294	481,043	2.857,635	5,940	5,473
29	21	97.705	18.032,045	288.553,481	16,002	15,534	79	71	41.940	420,208	2.376,591	5,656	5,188
30	22	97.612	16.995,239	270.521,436	15,917	15,450	80	72	38.512	364,024	1.956,384	5,374	4,906
31	23	97.514	16.017,193	253.526,197	15,828	15,360	81	73	35.007	312,165	1.592,359	5,101	4,633
32	24	97.412	15.094,688	237.509,003	15,735	15,267	82	74	31.478	264,809	1.280,194	4,834	4,366
33	25	97.306	14.224,740	222.414,315	15,636	15,168	83	75	27.875	221,218	1.015,385	4,590	4,122
34	26	97.196	13.404,495	208.189,576	15,531	15,063	84	76	24.385	182,572	794,167	4,350	3,882
35	27	97.076	12.630,135	194.785,081	15,422	14,954	85	77	21.068	148,810	611,595	4,110	3,642
36	28	96.946	11.899,284	182.154,945	15,308	14,840	86	78	18.014	120,036	462,785	3,855	3,387
37	29	96.808	11.209,739	170.255,662	15,188	14,720	87	79	15.049	94,600	342,749	3,623	3,155
38	30	96.663	10.559,357	159.045,923	15,062	14,594	88	80	12.251	72,653	248,149	3,416	2,948
39	31	96.498	9.944,674	148.486,565	14,931	14,463	89	81	9.725	54,410	175,496	3,225	2,757
40	32	96.315	9.363,962	138.541,891	14,795	14,327	90	82	7.532	39,755	121,086	3,046	2,578
41	33	96.115	8.815,577	129.177,929	14,653	14,185	91	83	5.678	28,275	81,331	2,876	2,408
42	34	95.894	8.297,466	120.362,352	14,506	14,038	92	84	4.150	19,496	53,056	2,721	2,253
43	35	95.638	7.806,872	112.064,886	14,355	13,887	93	85	2.939	13,025	33,561	2,577	2,109
44	36	95.352	7.342,980	104.258,013	14,198	13,730	94	86	2.019	8,442	20,535	2,432	1,965
45	37	95.043	6.904,848	96.915,033	14,036	13,568	95	87	1.333	5,257	12,093	2,300	1,832
46	38	94.692	6.489,982	90.010,185	13,869	13,401	96	88	841	3,130	6,836	2,184	1,716
47	39	94.305	6.097,574	83.520,203	13,697	13,229	97	89	509	1,786	3,706	2,075	1,607
48	40	93.876	5.726,282	77.422,629	13,521	13,053	98	90	293	0,972	1,920	1,975	1,507
49	41	93.411	5.375,418	71.696,347	13,338	12,870	99	91	161	0,504	0,948	1,880	1,412
							100	92	84	0,247	0,444	1,799	1,331

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 9 Jahre

Zinsfuß 6,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	41	92.992	5.048,388	66.572,862	13,187	12,719
1							51	42	92.440	4.734,345	61.524,474	12,995	12,527
2							52	43	91.857	4.438,227	56.790,128	12,796	12,328
3							53	44	91.200	4.157,048	52.351,901	12,594	12,126
4							54	45	90.501	3.891,668	48.194,853	12,384	11,916
5							55	46	89.744	3.640,672	44.303,186	12,169	11,701
6							56	47	88.912	3.402,765	40.662,513	11,950	11,482
7							57	48	88.044	3.178,822	37.259,748	11,721	11,253
8							58	49	87.097	2.966,638	34.080,926	11,488	11,020
9	0	99.403	58.836,322	999.264,068	16,984	16,516	59	50	86.060	2.765,371	31.114,288	11,251	10,783
10	1	99.016	55.290,037	940.427,745	17,009	16,541	60	51	84.940	2.574,897	28.348,917	11,010	10,542
11	2	98.971	52.136,832	885.137,708	16,977	16,509	61	52	83.750	2.395,129	25.774,020	10,761	10,293
12	3	98.937	49.168,862	833.000,875	16,942	16,474	62	53	82.494	2.225,667	23.378,891	10,504	10,036
13	4	98.908	46.371,700	783.832,014	16,903	16,435	63	54	81.126	2.064,863	21.153,225	10,244	9,776
14	5	98.882	43.735,565	737.460,314	16,862	16,394	64	55	79.676	1.913,156	19.088,362	9,977	9,509
15	6	98.851	41.246,963	693.724,749	16,819	16,351	65	56	78.121	1.769,653	17.175,206	9,705	9,237
16	7	98.818	38.899,465	652.477,786	16,773	16,305	66	57	76.445	1.633,661	15.405,553	9,430	8,962
17	8	98.772	36.680,358	613.578,321	16,728	16,260	67	58	74.648	1.504,953	13.771,891	9,151	8,683
18	9	98.712	34.583,252	576.897,963	16,681	16,213	68	59	72.697	1.382,665	12.266,938	8,872	8,404
19	10	98.631	32.598,856	542.314,711	16,636	16,168	69	60	70.617	1.267,090	10.884,274	8,590	8,122
20	11	98.543	30.726,285	509.715,855	16,589	16,121	70	61	68.420	1.158,175	9.617,183	8,304	7,836
21	12	98.459	28.962,307	478.989,570	16,538	16,070	71	62	66.095	1.055,485	8.459,008	8,014	7,546
22	13	98.374	27.299,189	450.027,263	16,485	16,017	72	63	63.611	958,316	7.403,523	7,726	7,258
23	14	98.290	25.732,041	422.728,074	16,428	15,960	73	64	60.954	866,311	6.445,207	7,440	6,972
24	15	98.206	24.254,690	396.996,034	16,368	15,900	74	65	58.161	779,832	5.578,897	7,154	6,686
25	16	98.117	22.861,095	372.741,343	16,305	15,837	75	66	55.237	698,703	4.799,065	6,869	6,401
26	17	98.024	21.546,732	349.880,248	16,238	15,770	76	67	52.206	622,983	4.100,362	6,582	6,114
27	18	97.933	20.308,099	328.333,516	16,168	15,700	77	68	49.098	552,725	3.477,379	6,291	5,823
28	19	97.834	19.139,377	308.025,418	16,094	15,626	78	69	45.879	487,260	2.924,654	6,002	5,534
29	20	97.735	18.037,742	288.886,041	16,016	15,548	79	70	42.545	426,266	2.437,394	5,718	5,250
30	21	97.636	16.999,398	270.848,299	15,933	15,465	80	71	39.147	370,023	2.011,128	5,435	4,967
31	22	97.541	16.021,531	253.848,900	15,844	15,376	81	72	35.650	317,897	1.641,104	5,162	4,694
32	23	97.437	15.098,627	237.827,369	15,752	15,284	82	73	32.133	270,316	1.323,208	4,895	4,427
33	24	97.332	14.228,605	222.728,742	15,654	15,186	83	74	28.524	226,371	1.052,891	4,651	4,183
34	25	97.220	13.407,794	208.500,136	15,551	15,083	84	75	25.034	187,431	826,521	4,410	3,942
35	26	97.104	12.633,672	195.092,342	15,442	14,974	85	76	21.696	153,246	639,089	4,170	3,702
36	27	96.975	11.902,753	182.458,670	15,329	14,861	86	77	18.620	124,073	485,843	3,916	3,448
37	28	96.837	11.213,067	170.555,917	15,210	14,742	87	78	15.628	98,241	361,771	3,682	3,215
38	29	96.691	10.562,449	159.342,850	15,086	14,618	88	79	12.789	75,843	263,530	3,475	3,007
39	30	96.530	9.947,931	148.780,401	14,956	14,488	89	80	10.223	57,197	187,686	3,281	2,813
40	31	96.349	9.367,308	138.832,470	14,821	14,353	90	81	7.977	42,102	130,490	3,099	2,631
41	32	96.149	8.818,713	129.465,162	14,681	14,213	91	82	6.071	30,228	88,388	2,924	2,456
42	33	95.932	8.300,783	120.646,449	14,534	14,066	92	83	4.471	21,001	58,160	2,769	2,301
43	34	95.683	7.810,534	112.345,666	14,384	13,916	93	84	3.196	14,164	37,159	2,624	2,156
44	35	95.401	7.346,742	104.535,132	14,229	13,761	94	85	2.211	9,245	22,996	2,487	2,019
45	36	95.096	6.908,755	97.188,390	14,067	13,599	95	86	1.482	5,847	13,751	2,352	1,884
46	37	94.750	6.493,964	90.279,635	13,902	13,434	96	87	954	3,548	7,904	2,228	1,760
47	38	94.371	6.101,842	83.785,671	13,731	13,263	97	88	586	2,057	4,356	2,118	1,650
48	39	93.951	5.730,868	77.683,829	13,555	13,087	98	89	345	1,141	2,299	2,015	1,547
49	40	93.493	5.380,099	71.952,960	13,374	12,906	99	90	193	0,603	1,159	1,922	1,454
							100	91	103	0,303	0,556	1,831	1,364

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 10 Jahre

Zinsfuß 6,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	40	93.073	5.052,784	66.803,667	13,221	12,753
1							51	41	92.531	4.739,030	61.750,883	13,030	12,562
2							52	42	91.961	4.443,224	57.011,853	12,831	12,363
3							53	43	91.319	4.162,451	52.568,629	12,629	12,161
4							54	44	90.627	3.897,093	48.406,178	12,421	11,953
5							55	45	89.886	3.646,456	44.509,086	12,206	11,738
6							56	46	89.072	3.408,887	40.862,630	11,987	11,519
7							57	47	88.216	3.185,016	37.453,743	11,759	11,291
8							58	48	87.282	2.972,940	34.268,727	11,527	11,059
9							59	49	86.267	2.772,043	31.295,787	11,290	10,822
10	0	99.393	55.500,770	941.036,976	16,955	16,487	60	50	85.155	2.581,419	28.523,744	11,050	10,582
11	1	99.007	52.155,511	885.536,205	16,979	16,511	61	51	83.984	2.401,800	25.942,325	10,801	10,333
12	2	98.957	49.178,585	833.380,694	16,946	16,478	62	52	82.744	2.232,416	23.540,526	10,545	10,077
13	3	98.924	46.379,661	784.202,109	16,908	16,440	63	53	81.383	2.071,403	21.308,110	10,287	9,819
14	4	98.895	43.741,215	737.822,448	16,868	16,400	64	54	79.954	1.919,834	19.236,707	10,020	9,552
15	5	98.864	41.252,355	694.081,234	16,825	16,357	65	55	78.418	1.776,380	17.316,873	9,748	9,280
16	6	98.827	38.903,050	652.828,879	16,781	16,313	66	56	76.753	1.640,246	15.540,493	9,474	9,007
17	7	98.780	36.683,553	613.925,829	16,736	16,268	67	57	74.982	1.511,700	13.900,247	9,195	8,727
18	8	98.722	34.586,572	577.242,276	16,690	16,222	68	58	73.049	1.389,355	12.388,547	8,917	8,449
19	9	98.637	32.600,963	542.655,704	16,645	16,177	69	59	70.978	1.273,565	10.999,191	8,637	8,169
20	10	98.552	30.728,869	510.054,741	16,599	16,131	70	60	68.799	1.164,585	9.725,627	8,351	7,883
21	11	98.468	28.965,023	479.325,872	16,548	16,080	71	61	66.469	1.061,459	8.561,041	8,065	7,597
22	12	98.382	27.301,507	450.360,849	16,496	16,028	72	62	64.014	964,384	7.499,583	7,777	7,309
23	13	98.299	25.734,534	423.059,342	16,439	15,971	73	63	61.371	872,243	6.535,198	7,492	7,024
24	14	98.217	24.257,517	397.324,807	16,379	15,911	74	64	58.590	785,577	5.662,955	7,209	6,741
25	15	98.134	22.865,181	373.067,291	16,316	15,848	75	65	55.692	704,456	4.877,378	6,924	6,456
26	16	98.045	21.551,296	350.202,110	16,250	15,782	76	66	52.683	628,677	4.172,922	6,638	6,170
27	17	97.954	20.312,568	328.650,814	16,180	15,712	77	67	49.602	558,401	3.544,245	6,347	5,879
28	18	97.863	19.144,883	308.338,246	16,106	15,638	78	68	46.410	492,897	2.985,844	6,058	5,590
29	19	97.763	18.042,744	289.193,364	16,028	15,560	79	69	43.094	431,775	2.492,947	5,774	5,306
30	20	97.667	17.004,769	271.150,620	15,946	15,478	80	70	39.711	375,358	2.061,171	5,491	5,023
31	21	97.565	16.025,452	254.145,850	15,859	15,391	81	71	36.238	323,136	1.685,813	5,217	4,749
32	22	97.464	15.102,716	238.120,398	15,767	15,299	82	72	32.723	275,279	1.362,678	4,950	4,482
33	23	97.357	14.232,319	223.017,682	15,670	15,202	83	73	29.117	231,079	1.087,398	4,706	4,238
34	24	97.247	13.411,438	208.785,363	15,568	15,100	84	74	25.617	191,797	856,320	4,465	3,997
35	25	97.127	12.636,782	195.373,926	15,461	14,993	85	75	22.274	157,325	664,523	4,224	3,756
36	26	97.002	11.906,086	182.737,144	15,348	14,880	86	76	19.175	127,771	507,198	3,970	3,502
37	27	96.865	11.216,336	170.831,058	15,231	14,763	87	77	16.154	101,545	379,426	3,737	3,269
38	28	96.720	10.565,585	159.614,722	15,107	14,639	88	78	13.281	78,762	277,882	3,528	3,060
39	29	96.558	9.950,844	149.049,137	14,979	14,511	89	79	10.672	59,709	199,120	3,335	2,867
40	30	96.381	9.370,376	139.098,293	14,844	14,377	90	80	8.385	44,258	139,411	3,150	2,682
41	31	96.184	8.821,864	129.727,917	14,705	14,237	91	81	6.429	32,013	95,153	2,972	2,504
42	32	95.967	8.303,736	120.906,053	14,560	14,092	92	82	4.780	22,451	63,141	2,812	2,344
43	33	95.721	7.813,656	112.602,317	14,411	13,943	93	83	3.443	15,257	40,689	2,667	2,199
44	34	95.446	7.350,188	104.788,661	14,257	13,789	94	84	2.405	10,053	25,433	2,530	2,062
45	35	95.145	6.912,294	97.438,473	14,096	13,628	95	85	1.623	6,403	15,380	2,402	1,934
46	36	94.804	6.497,638	90.526,179	13,932	13,464	96	86	1.061	3,946	8,978	2,275	1,807
47	37	94.428	6.105,586	84.028,541	13,763	13,295	97	87	664	2,331	5,031	2,158	1,690
48	38	94.017	5.734,880	77.922,955	13,588	13,120	98	88	397	1,314	2,700	2,055	1,587
49	39	93.568	5.384,408	72.188,075	13,407	12,939	99	89	227	0,708	1,386	1,959	1,491
							100	90	123	0,363	0,678	1,870	1,402

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 11 Jahre

Zinsfuß 6,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	39	93.148	5.056,831	67.015,091	13,252	12,784
1							51	40	92.612	4.743,156	61.958,260	13,063	12,595
2							52	41	92.052	4.447,621	57.215,103	12,864	12,396
3							53	42	91.422	4.167,137	52.767,483	12,663	12,195
4							54	43	90.745	3.902,158	48.600,345	12,455	11,987
5							55	44	90.012	3.651,539	44.698,188	12,241	11,773
6							56	45	89.213	3.414,302	41.046,649	12,022	11,554
7							57	46	88.374	3.190,746	37.632,347	11,794	11,326
8							58	47	87.452	2.978,733	34.441,600	11,563	11,095
9							59	48	86.451	2.777,932	31.462,868	11,326	10,858
10							60	49	85.360	2.587,647	28.684,936	11,085	10,617
11	0	99.384	52.354,297	886.100,392	16,925	16,457	61	50	84.196	2.407,883	26.097,289	10,838	10,370
12	1	98.992	49.196,204	833.746,095	16,947	16,479	62	51	82.975	2.238,633	23.689,406	10,582	10,114
13	2	98.944	46.388,833	784.549,891	16,912	16,445	63	52	81.630	2.077,685	21.450,773	10,324	9,856
14	3	98.912	43.748,724	738.161,058	16,873	16,405	64	53	80.207	1.925,915	19.373,088	10,059	9,591
15	4	98.876	41.257,684	694.412,334	16,831	16,363	65	54	78.692	1.782,580	17.447,173	9,788	9,320
16	5	98.840	38.908,136	653.154,651	16,787	16,319	66	55	77.045	1.646,481	15.664,593	9,514	9,046
17	6	98.790	36.686,933	614.246,515	16,743	16,275	67	56	75.285	1.517,793	14.018,112	9,236	8,768
18	7	98.730	34.589,584	577.559,581	16,697	16,230	68	57	73.376	1.395,584	12.500,318	8,957	8,489
19	8	98.647	32.604,092	542.969,997	16,653	16,185	69	58	71.322	1.279,728	11.104,734	8,677	8,209
20	9	98.558	30.730,854	510.365,904	16,608	16,140	70	59	69.151	1.170,536	9.825,007	8,394	7,926
21	10	98.477	28.967,459	479.635,050	16,558	16,090	71	60	66.837	1.067,334	8.654,471	8,108	7,641
22	11	98.391	27.304,068	450.667,591	16,506	16,038	72	61	64.376	969,842	7.587,137	7,823	7,355
23	12	98.308	25.736,720	423.363,523	16,450	15,982	73	62	61.760	877,767	6.617,295	7,539	7,071
24	13	98.227	24.259,867	397.626,803	16,390	15,922	74	63	58.991	790,957	5.739,528	7,256	6,788
25	14	98.146	22.867,845	373.366,935	16,327	15,859	75	64	56.102	709,646	4.948,572	6,973	6,505
26	15	98.063	21.555,147	350.499,090	16,261	15,793	76	65	53.117	633,854	4.238,926	6,688	6,220
27	16	97.975	20.316,871	328.943,943	16,191	15,723	77	66	50.055	563,505	3.605,072	6,398	5,930
28	17	97.884	19.149,096	308.627,073	16,117	15,649	78	67	46.887	497,959	3.041,567	6,108	5,640
29	18	97.791	18.047,934	289.477,977	16,039	15,571	79	68	43.593	436,771	2.543,608	5,824	5,356
30	19	97.694	17.009,485	271.430,043	15,958	15,490	80	69	40.225	380,209	2.106,838	5,541	5,073
31	20	97.595	16.030,515	254.420,558	15,871	15,403	81	70	36.760	327,795	1.726,628	5,267	4,799
32	21	97.488	15.106,412	238.390,043	15,781	15,313	82	71	33.262	279,816	1.398,834	4,999	4,531
33	22	97.384	14.236,173	223.283,630	15,684	15,216	83	72	29.652	235,321	1.119,018	4,755	4,287
34	23	97.272	13.414,938	209.047,457	15,583	15,115	84	73	26.150	195,786	883,697	4,514	4,046
35	24	97.154	12.640,216	195.632,519	15,477	15,009	85	74	22.793	160,989	687,911	4,273	3,805
36	25	97.026	11.909,016	182.992,304	15,366	14,898	86	75	19.686	131,172	526,922	4,017	3,549
37	26	96.892	11.219,477	171.083,287	15,249	14,781	87	76	16.635	104,572	395,750	3,784	3,317
38	27	96.748	10.568,665	159.863,810	15,126	14,658	88	77	13.728	81,411	291,178	3,577	3,109
39	28	96.587	9.953,798	149.295,145	14,999	14,531	89	78	11.083	62,007	209,767	3,383	2,915
40	29	96.409	9.373,120	139.341,347	14,866	14,398	90	79	8.753	46,201	147,761	3,198	2,730
41	30	96.215	8.824,753	129.968,227	14,728	14,260	91	80	6.758	33,652	101,559	3,018	2,550
42	31	96.001	8.306,703	121.143,473	14,584	14,116	92	81	5.062	23,777	67,908	2,856	2,388
43	32	95.755	7.816,435	112.836,770	14,436	13,968	93	82	3.681	16,311	44,131	2,706	2,238
44	33	95.484	7.353,126	105.020,335	14,282	13,814	94	83	2.590	10,829	27,820	2,569	2,101
45	34	95.190	6.915,536	97.667,209	14,123	13,655	95	84	1.765	6,962	16,991	2,441	1,973
46	35	94.852	6.500,966	90.751,673	13,960	13,492	96	85	1.161	4,321	10,029	2,321	1,853
47	36	94.482	6.109,041	84.250,707	13,791	13,323	97	86	739	2,593	5,708	2,201	1,733
48	37	94.075	5.738,399	78.141,666	13,617	13,149	98	87	450	1,489	3,115	2,092	1,624
49	38	93.633	5.388,177	72.403,267	13,437	12,969	99	88	261	0,815	1,626	1,995	1,527
							100	89	144	0,426	0,811	1,904	1,436

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 12 Jahre

Zinsfuß 6,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	38	93.213	5.060,371	67.208,564	13,281	12,813
1							51	39	92.686	4.746,955	62.148,193	13,092	12,624
2							52	40	92.132	4.451,493	57.401,238	12,895	12,427
3							53	41	91.512	4.171,260	52.949,744	12,694	12,226
4							54	42	90.847	3.906,551	48.778,484	12,486	12,018
5							55	43	90.129	3.656,285	44.871,933	12,273	11,805
6							56	44	89.338	3.419,062	41.215,648	12,055	11,587
7							57	45	88.515	3.195,815	37.796,586	11,827	11,359
8							58	46	87.610	2.984,092	34.600,771	11,595	11,127
9							59	47	86.619	2.783,344	31.616,679	11,359	10,891
10							60	48	85.542	2.593,144	28.833,335	11,119	10,651
11							61	49	84.399	2.413,692	26.240,191	10,871	10,403
12	0	99.370	49.383,711	834.268,635	16,894	16,426	62	50	83.185	2.244,304	23.826,498	10,616	10,148
13	1	98.980	46.405,452	784.884,924	16,914	16,446	63	51	81.857	2.083,471	21.582,195	10,359	9,891
14	2	98.931	43.757,375	738.479,472	16,877	16,409	64	52	80.450	1.931,755	19.498,724	10,094	9,626
15	3	98.893	41.264,767	694.722,097	16,836	16,368	65	53	78.941	1.788,227	17.566,969	9,824	9,356
16	4	98.853	38.913,162	653.457,330	16,793	16,325	66	54	77.314	1.652,228	15.778,742	9,550	9,082
17	5	98.802	36.691,730	614.544,168	16,749	16,281	67	55	75.571	1.523,563	14.126,514	9,272	8,804
18	6	98.740	34.592,772	577.852,438	16,704	16,236	68	56	73.672	1.401,209	12.602,951	8,994	8,526
19	7	98.656	32.606,932	543.259,666	16,661	16,193	69	57	71.642	1.285,465	11.201,742	8,714	8,246
20	8	98.567	30.733,805	510.652,734	16,615	16,147	70	58	69.485	1.176,200	9.916,277	8,431	7,963
21	9	98.483	28.969,331	479.918,929	16,566	16,098	71	59	67.178	1.072,787	8.740,077	8,147	7,679
22	10	98.400	27.306,364	450.949,598	16,514	16,046	72	60	64.732	975,210	7.667,290	7,862	7,394
23	11	98.317	25.739,134	423.643,234	16,459	15,991	73	61	62.110	882,735	6.692,080	7,581	7,113
24	12	98.235	24.261,928	397.904,100	16,400	15,932	74	62	59.365	795,966	5.809,345	7,298	6,831
25	13	98.155	22.870,061	373.642,172	16,338	15,870	75	63	56.487	714,506	5.013,380	7,017	6,549
26	14	98.074	21.557,659	350.772,111	16,271	15,803	76	64	53.508	638,523	4.298,874	6,733	6,265
27	15	97.992	20.320,501	329.214,452	16,201	15,733	77	65	50.467	568,145	3.660,351	6,443	5,975
28	16	97.905	19.153,152	308.893,951	16,128	15,660	78	66	47.315	502,510	3.092,206	6,154	5,686
29	17	97.812	18.051,906	289.740,799	16,050	15,582	79	67	44.041	441,256	2.589,696	5,869	5,401
30	18	97.722	17.014,378	271.688,893	15,968	15,500	80	68	40.690	384,608	2.148,440	5,586	5,118
31	19	97.622	16.034,960	254.674,515	15,882	15,414	81	69	37.235	332,031	1.763,832	5,312	4,844
32	20	97.518	15.111,185	238.639,555	15,792	15,324	82	70	33.742	283,850	1.431,801	5,044	4,576
33	21	97.408	14.239,657	223.528,369	15,698	15,230	83	71	30.140	239,199	1.147,951	4,799	4,331
34	22	97.298	13.418,571	209.288,712	15,597	15,129	84	72	26.630	199,380	908,752	4,558	4,090
35	23	97.179	12.643,514	195.870,142	15,492	15,024	85	73	23.267	164,337	709,371	4,317	3,849
36	24	97.052	11.912,253	183.226,627	15,381	14,913	86	74	20.144	134,228	545,034	4,061	3,593
37	25	96.916	11.222,239	171.314,375	15,266	14,798	87	75	17.078	107,355	410,806	3,827	3,359
38	26	96.775	10.571,625	160.092,136	15,144	14,676	88	76	14.137	83,838	303,451	3,620	3,152
39	27	96.615	9.956,700	149.520,511	15,017	14,549	89	77	11.456	64,092	219,613	3,427	2,959
40	28	96.438	9.375,903	139.563,811	14,885	14,417	90	78	9.090	47,979	155,522	3,241	2,773
41	29	96.243	8.827,337	130.187,908	14,748	14,280	91	79	7.055	35,130	107,542	3,061	2,593
42	30	96.032	8.309,424	121.360,571	14,605	14,137	92	80	5.321	24,994	72,413	2,897	2,429
43	31	95.789	7.819,229	113.051,148	14,458	13,990	93	81	3.898	17,274	47,418	2,745	2,277
44	32	95.518	7.355,741	105.231,919	14,306	13,838	94	82	2.769	11,577	30,145	2,604	2,136
45	33	95.228	6.918,300	97.876,178	14,147	13,679	95	83	1.901	7,499	18,568	2,476	2,008
46	34	94.897	6.504,015	90.957,877	13,985	13,517	96	84	1.263	4,699	11,069	2,355	1,887
47	35	94.530	6.112,170	84.453,862	13,817	13,349	97	85	809	2,839	6,369	2,243	1,775
48	36	94.128	5.741,645	78.341,692	13,644	13,177	98	86	500	1,656	3,530	2,131	1,663
49	37	93.691	5.391,483	72.600,046	13,466	12,998	99	87	296	0,924	1,874	2,028	1,560
							100	88	166	0,490	0,950	1,938	1,470

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 13 Jahre

Zinsfuß 6,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	37	93.270	5.063,476	67.385,453	13,308	12,840
1							51	38	92.751	4.750,278	62.321,978	13,120	12,652
2							52	39	92.206	4.455,059	57.571,699	12,923	12,455
3							53	40	91.592	4.174,893	53.116,641	12,723	12,255
4							54	41	90.937	3.910,417	48.941,748	12,516	12,048
5							55	42	90.230	3.660,401	45.031,332	12,302	11,834
6							56	43	89.454	3.423,506	41.370,930	12,084	11,616
7							57	44	88.638	3.200,270	37.947,425	11,858	11,390
8							58	45	87.749	2.988,832	34.747,155	11,626	11,158
9							59	46	86.775	2.788,352	31.758,323	11,390	10,922
10							60	47	85.709	2.598,196	28.969,970	11,150	10,682
11							61	48	84.579	2.418,820	26.371,774	10,903	10,435
12							62	49	83.386	2.249,718	23.952,954	10,647	10,179
13	0	99.357	46.582,322	785.368,976	16,860	16,392	63	50	82.065	2.088,748	21.703,236	10,391	9,923
14	1	98.967	43.773,052	738.786,653	16,878	16,410	64	51	80.674	1.937,135	19.614,487	10,126	9,658
15	2	98.913	41.272,927	695.013,601	16,839	16,371	65	52	79.181	1.793,649	17.677,352	9,856	9,388
16	3	98.870	38.919,842	653.740,674	16,797	16,329	66	53	77.559	1.657,462	15.883,703	9,583	9,115
17	4	98.815	36.696,469	614.820,832	16,754	16,286	67	54	75.834	1.528,881	14.226,241	9,305	8,837
18	5	98.752	34.597,295	578.124,362	16,710	16,242	68	55	73.952	1.406,536	12.697,361	9,027	8,559
19	6	98.665	32.609,937	543.527,068	16,668	16,200	69	56	71.930	1.290,646	11.290,825	8,748	8,280
20	7	98.576	30.736,481	510.917,131	16,622	16,155	70	57	69.797	1.181,473	10.000,179	8,464	7,996
21	8	98.493	28.972,112	480.180,649	16,574	16,106	71	58	67.504	1.077,978	8.818,705	8,181	7,713
22	9	98.406	27.308,129	451.208,537	16,523	16,055	72	59	65.063	980,193	7.740,727	7,897	7,429
23	10	98.325	25.741,298	423.900,408	16,468	16,000	73	60	62.453	887,620	6.760,534	7,616	7,149
24	11	98.244	24.264,203	398.159,110	16,409	15,941	74	61	59.701	800,470	5.872,914	7,337	6,869
25	12	98.164	22.872,004	373.894,907	16,347	15,879	75	62	56.844	719,030	5.072,444	7,055	6,587
26	13	98.084	21.559,748	351.022,903	16,281	15,813	76	63	53.875	642,896	4.353,413	6,772	6,304
27	14	98.004	20.322,869	329.463,155	16,211	15,743	77	64	50.839	572,330	3.710,517	6,483	6,015
28	15	97.922	19.156,575	309.140,286	16,138	15,670	78	65	47.705	506,648	3.138,187	6,194	5,726
29	16	97.833	18.055,730	289.983,711	16,060	15,593	79	66	44.443	445,289	2.631,539	5,910	5,442
30	17	97.743	17.018,122	271.927,981	15,979	15,511	80	67	41.108	388,558	2.186,250	5,627	5,159
31	18	97.651	16.039,573	254.909,859	15,893	15,425	81	68	37.666	335,872	1.797,692	5,352	4,884
32	19	97.545	15.115,375	238.870,286	15,803	15,335	82	69	34.178	287,518	1.461,820	5,084	4,616
33	20	97.438	14.244,156	223.754,910	15,709	15,241	83	70	30.575	242,648	1.174,302	4,840	4,372
34	21	97.322	13.421,855	209.510,754	15,610	15,142	84	71	27.069	202,666	931,654	4,597	4,129
35	22	97.205	12.646,938	196.088,900	15,505	15,037	85	72	23.694	167,354	728,988	4,356	3,888
36	23	97.077	11.915,361	183.441,961	15,395	14,927	86	73	20.563	137,019	561,633	4,099	3,631
37	24	96.943	11.225,288	171.526,600	15,280	14,812	87	74	17.476	109,856	424,614	3,865	3,397
38	25	96.799	10.574,227	160.301,312	15,160	14,692	88	75	14.513	86,069	314,758	3,657	3,189
39	26	96.642	9.959,488	149.727,085	15,034	14,566	89	76	11.797	66,002	228,689	3,465	2,997
40	27	96.466	9.378,636	139.767,596	14,903	14,435	90	77	9.396	49,593	162,687	3,280	2,812
41	28	96.272	8.829,958	130.388,960	14,767	14,299	91	78	7.327	36,482	113,094	3,100	2,632
42	29	96.060	8.311,857	121.559,002	14,625	14,157	92	79	5.555	26,092	76,612	2,936	2,468
43	30	95.820	7.821,790	113.247,146	14,478	14,010	93	80	4.098	18,158	50,520	2,782	2,314
44	31	95.552	7.358,370	105.425,356	14,327	13,859	94	81	2.933	12,260	32,362	2,640	2,172
45	32	95.262	6.920,761	98.066,986	14,170	13,702	95	82	2.033	8,018	20,102	2,507	2,039
46	33	94.935	6.506,615	91.146,225	14,008	13,540	96	83	1.360	5,062	12,084	2,387	1,919
47	34	94.575	6.115,037	84.639,610	13,841	13,373	97	84	880	3,087	7,022	2,275	1,807
48	35	94.176	5.744,586	78.524,573	13,669	13,201	98	85	548	1,814	3,935	2,170	1,702
49	36	93.744	5.394,533	72.779,986	13,491	13,023	99	86	329	1,027	2,121	2,065	1,597
							100	87	189	0,556	1,094	1,968	1,500

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 14 Jahre

Zinsfuß 6,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	36	93.323	5.066,340	67.547,187	13,333	12,865
1							51	37	92.808	4.753,193	62.480,847	13,145	12,677
2							52	38	92.270	4.458,177	57.727,654	12,949	12,481
3							53	39	91.665	4.178,236	53.269,477	12,749	12,281
4							54	40	91.016	3.913,822	49.091,240	12,543	12,075
5							55	41	90.319	3.664,023	45.177,419	12,330	11,862
6							56	42	89.555	3.427,360	41.513,396	12,112	11,644
7							57	43	88.753	3.204,429	38.086,035	11,885	11,417
8							58	44	87.871	2.992,999	34.881,606	11,654	11,186
9							59	45	86.913	2.792,782	31.888,608	11,418	10,950
10							60	46	85.863	2.602,871	29.095,826	11,178	10,710
11							61	47	84.744	2.423,533	26.492,955	10,932	10,464
12							62	48	83.563	2.254,497	24.069,422	10,676	10,208
13							63	49	82.263	2.093,788	21.814,924	10,419	9,951
14	0	99.344	43.939,889	739.235,134	16,824	16,356	64	50	80.879	1.942,042	19.721,137	10,155	9,687
15	1	98.948	41.287,714	695.295,244	16,840	16,372	65	51	79.401	1.798,645	17.779,095	9,885	9,417
16	2	98.890	38.927,539	654.007,531	16,801	16,333	66	52	77.794	1.662,488	15.980,450	9,612	9,144
17	3	98.832	36.702,769	615.079,992	16,758	16,290	67	53	76.075	1.533,723	14.317,963	9,335	8,867
18	4	98.765	34.601,764	578.377,222	16,715	16,247	68	54	74.210	1.411,445	12.784,239	9,058	8,590
19	5	98.678	32.614,200	543.775,459	16,673	16,205	69	55	72.204	1.295,552	11.372,794	8,778	8,310
20	6	98.585	30.739,314	511.161,258	16,629	16,161	70	56	70.078	1.186,236	10.077,242	8,495	8,027
21	7	98.501	28.974,636	480.421,944	16,581	16,113	71	57	67.806	1.082,811	8.891,006	8,211	7,743
22	8	98.415	27.310,750	451.447,309	16,530	16,062	72	58	65.378	984,936	7.808,195	7,928	7,460
23	9	98.332	25.742,962	424.136,558	16,476	16,008	73	59	62.772	892,156	6.823,259	7,648	7,180
24	10	98.252	24.266,244	398.393,597	16,418	15,950	74	60	60.031	804,900	5.931,103	7,369	6,901
25	11	98.173	22.874,149	374.127,353	16,356	15,888	75	61	57.166	723,099	5.126,203	7,089	6,621
26	12	98.092	21.561,579	351.253,204	16,291	15,823	76	62	54.216	646,968	4.403,103	6,806	6,338
27	13	98.013	20.324,839	329.691,625	16,221	15,753	77	63	51.187	576,250	3.756,136	6,518	6,050
28	14	97.934	19.158,807	309.366,786	16,147	15,680	78	64	48.056	510,380	3.179,886	6,230	5,762
29	15	97.850	18.058,956	290.207,979	16,070	15,602	79	65	44.809	448,956	2.669,506	5,946	5,478
30	16	97.764	17.021,727	272.149,023	15,988	15,520	80	66	41.484	392,109	2.220,550	5,663	5,195
31	17	97.672	16.043,103	255.127,296	15,903	15,435	81	67	38.053	339,321	1.828,441	5,389	4,921
32	18	97.573	15.119,724	239.084,193	15,813	15,345	82	68	34.573	290,845	1.489,119	5,120	4,652
33	19	97.465	14.248,106	223.964,469	15,719	15,251	83	69	30.970	245,784	1.198,275	4,875	4,407
34	20	97.353	13.426,095	209.716,363	15,620	15,152	84	70	27.459	205,588	952,491	4,633	4,165
35	21	97.229	12.650,034	196.290,268	15,517	15,049	85	71	24.084	170,112	746,903	4,391	3,923
36	22	97.104	11.918,588	183.640,234	15,408	14,940	86	72	20.940	139,535	576,790	4,134	3,666
37	23	96.968	11.228,218	171.721,646	15,294	14,826	87	73	17.839	112,140	437,256	3,899	3,431
38	24	96.825	10.577,100	160.493,428	15,174	14,706	88	74	14.851	88,074	325,115	3,691	3,223
39	25	96.666	9.961,940	149.916,328	15,049	14,581	89	75	12.111	67,759	237,041	3,498	3,030
40	26	96.493	9.381,262	139.954,388	14,919	14,451	90	76	9.676	51,071	169,282	3,315	2,847
41	27	96.300	8.832,532	130.573,126	14,783	14,315	91	77	7.573	37,709	118,211	3,135	2,667
42	28	96.089	8.314,325	121.740,594	14,642	14,174	92	78	5.768	27,096	80,502	2,971	2,503
43	29	95.849	7.824,080	113.426,269	14,497	14,029	93	79	4.277	18,956	53,406	2,817	2,349
44	30	95.583	7.360,780	105.602,189	14,347	13,879	94	80	3.083	12,888	34,450	2,673	2,205
45	31	95.296	6.923,234	98.241,410	14,190	13,722	95	81	2.153	8,491	21,563	2,540	2,072
46	32	94.968	6.508,930	91.318,176	14,030	13,562	96	82	1.454	5,412	13,072	2,416	1,948
47	33	94.612	6.117,481	84.809,246	13,863	13,395	97	83	947	3,326	7,660	2,303	1,835
48	34	94.220	5.747,281	78.691,764	13,692	13,224	98	84	596	1,972	4,334	2,198	1,730
49	35	93.792	5.397,297	72.944,484	13,515	13,047	99	85	360	1,125	2,362	2,100	1,632
							100	86	210	0,618	1,237	2,001	1,533

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 15 Jahre

Zinsfuß 6,00%

Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	35	93.371	5.068,935	67.695,027	13,355	12,887
1							51	36	92.860	4.755,882	62.626,091	13,168	12,700
2							52	37	92.327	4.460,913	57.870,209	12,973	12,505
3							53	38	91.729	4.181,161	53.409,296	12,774	12,306
4							54	39	91.089	3.916,956	49.228,135	12,568	12,100
5							55	40	90.398	3.667,214	45.311,179	12,356	11,888
6							56	41	89.643	3.430,751	41.643,966	12,138	11,670
7							57	42	88.853	3.208,037	38.213,214	11,912	11,444
8							58	43	87.985	2.996,889	35.005,177	11,681	11,213
9							59	44	87.034	2.796,675	32.008,288	11,445	10,977
10							60	45	85.999	2.607,006	29.211,614	11,205	10,737
11							61	46	84.896	2.427,894	26.604,608	10,958	10,490
12							62	47	83.726	2.258,890	24.176,714	10,703	10,235
13							63	48	82.437	2.098,237	21.917,824	10,446	9,978
14							64	49	81.074	1.946,726	19.819,588	10,181	9,713
15	0	99.326	41.445,078	695.710,840	16,786	16,318	65	50	79.602	1.803,201	17.872,862	9,912	9,444
16	1	98.925	38.941,485	654.265,762	16,801	16,333	66	51	78.011	1.667,118	16.069,661	9,639	9,171
17	2	98.852	36.710,027	615.324,277	16,762	16,294	67	52	76.305	1.538,374	14.402,543	9,362	8,894
18	3	98.782	34.607,704	578.614,250	16,719	16,251	68	53	74.445	1.415,916	12.864,169	9,085	8,617
19	4	98.690	32.618,413	544.006,546	16,678	16,210	69	54	72.456	1.300,074	11.448,253	8,806	8,338
20	5	98.598	30.743,333	511.388,132	16,634	16,166	70	55	70.344	1.190,745	10.148,179	8,523	8,055
21	6	98.510	28.977,306	480.644,800	16,587	16,119	71	56	68.079	1.087,176	8.957,434	8,239	7,771
22	7	98.424	27.313,129	451.667,494	16,537	16,069	72	57	65.671	989,352	7.870,258	7,955	7,487
23	8	98.341	25.745,433	424.354,365	16,483	16,015	73	58	63.076	896,473	6.880,907	7,676	7,208
24	9	98.259	24.267,812	398.608,932	16,425	15,957	74	59	60.338	809,013	5.984,434	7,397	6,929
25	10	98.181	22.876,073	374.341,120	16,364	15,896	75	60	57.482	727,102	5.175,420	7,118	6,650
26	11	98.101	21.563,601	351.465,047	16,299	15,831	76	61	54.523	650,629	4.448,319	6,837	6,369
27	12	98.022	20.326,565	329.901,446	16,230	15,762	77	62	51.511	579,899	3.797,690	6,549	6,081
28	13	97.943	19.160,664	309.574,881	16,157	15,689	78	63	48.386	513,876	3.217,791	6,262	5,794
29	14	97.862	18.061,061	290.414,217	16,080	15,612	79	64	45.139	452,263	2.703,915	5,979	5,511
30	15	97.782	17.024,769	272.353,156	15,997	15,529	80	65	41.825	395,338	2.251,652	5,696	5,228
31	16	97.693	16.046,501	255.328,388	15,912	15,444	81	66	38.401	342,423	1.856,314	5,421	4,953
32	17	97.595	15.123,051	239.281,886	15,822	15,354	82	67	34.928	293,832	1.513,892	5,152	4,684
33	18	97.493	14.252,205	224.158,835	15,728	15,260	83	68	31.328	248,628	1.220,060	4,907	4,439
34	19	97.380	13.429,818	209.906,631	15,630	15,162	84	69	27.814	208,245	971,433	4,665	4,197
35	20	97.260	12.654,030	196.476,812	15,527	15,059	85	70	24.432	172,565	763,188	4,423	3,955
36	21	97.128	11.921,505	183.822,782	15,419	14,951	86	71	21.286	141,834	590,623	4,164	3,696
37	22	96.994	11.231,259	171.901,277	15,306	14,838	87	72	18.167	114,199	448,788	3,930	3,462
38	23	96.851	10.579,861	160.670,018	15,186	14,718	88	73	15.160	89,906	334,589	3,722	3,254
39	24	96.692	9.964,647	150.090,158	15,062	14,594	89	74	12.393	69,337	244,683	3,529	3,061
40	25	96.517	9.383,571	140.125,511	14,933	14,465	90	75	9.934	52,430	175,346	3,344	2,876
41	26	96.327	8.835,006	130.741,940	14,798	14,330	91	76	7.799	38,833	122,916	3,165	2,697
42	27	96.117	8.316,748	121.906,934	14,658	14,190	92	77	5.962	28,007	84,083	3,002	2,534
43	28	95.877	7.826,403	113.590,186	14,514	14,046	93	78	4.442	19,685	56,075	2,849	2,381
44	29	95.611	7.362,935	105.763,783	14,364	13,896	94	79	3.218	13,454	36,390	2,705	2,237
45	30	95.327	6.925,502	98.400,848	14,208	13,741	95	80	2.263	8,926	22,936	2,570	2,102
46	31	95.002	6.511,256	91.475,346	14,049	13,581	96	81	1.540	5,731	14,011	2,445	1,977
47	32	94.646	6.119,657	84.964,091	13,884	13,416	97	82	1.013	3,556	8,280	2,329	1,861
48	33	94.258	5.749,578	78.844,433	13,713	13,245	98	83	642	2,124	4,724	2,224	1,756
49	34	93.836	5.399,828	73.094,855	13,537	13,069	99	84	392	1,223	2,600	2,125	1,657
							100	85	230	0,677	1,376	2,033	1,565

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 16 Jahre

Zinsfuß 6,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	34	93.414	5.071,313	67.830,161	13,375	12,907
1							51	35	92.908	4.758,318	62.758,848	13,189	12,721
2							52	36	92.379	4.463,437	58.000,530	12,995	12,527
3							53	37	91.786	4.183,727	53.537,093	12,797	12,329
4							54	38	91.153	3.919,698	49.353,366	12,591	12,123
5							55	39	90.470	3.670,151	45.433,668	12,379	11,911
6							56	40	89.721	3.433,739	41.763,518	12,163	11,695
7							57	41	88.941	3.211,211	38.329,779	11,936	11,468
8							58	42	88.085	3.000,263	35.118,567	11,705	11,237
9							59	43	87.147	2.800,310	32.118,304	11,470	11,002
10							60	44	86.119	2.610,640	29.317,995	11,230	10,762
11							61	45	85.031	2.431,750	26.707,355	10,983	10,515
12							62	46	83.876	2.262,954	24.275,605	10,727	10,259
13							63	47	82.598	2.102,324	22.012,650	10,471	10,003
14							64	48	81.246	1.950,862	19.910,326	10,206	9,738
15							65	49	79.794	1.807,551	17.959,464	9,936	9,468
16	0	99.302	39.089,907	654.650,955	16,747	16,279	66	50	78.208	1.671,341	16.151,913	9,664	9,196
17	1	98.887	36.723,179	615.561,047	16,762	16,294	67	51	76.518	1.542,659	14.480,572	9,387	8,919
18	2	98.802	34.614,548	578.837,868	16,722	16,254	68	52	74.671	1.420,210	12.937,914	9,110	8,642
19	3	98.707	32.624,013	544.223,320	16,682	16,214	69	53	72.685	1.304,192	11.517,704	8,831	8,363
20	4	98.611	30.747,304	511.599,307	16,639	16,171	70	54	70.590	1.194,901	10.213,512	8,548	8,080
21	5	98.523	28.981,094	480.852,003	16,592	16,124	71	55	68.338	1.091,308	9.018,611	8,264	7,796
22	6	98.433	27.315,646	451.870,909	16,543	16,075	72	56	65.936	993,340	7.927,302	7,980	7,512
23	7	98.350	25.747,676	424.555,263	16,489	16,021	73	57	63.359	900,492	6.933,963	7,700	7,232
24	8	98.268	24.270,142	398.807,587	16,432	15,964	74	58	60.630	812,928	6.033,471	7,422	6,954
25	9	98.187	22.877,551	374.537,446	16,371	15,903	75	59	57.776	730,817	5.220,543	7,143	6,675
26	10	98.109	21.565,415	351.659,895	16,307	15,839	76	60	54.825	654,230	4.489,726	6,863	6,395
27	11	98.031	20.328,471	330.094,480	16,238	15,770	77	61	51.803	583,181	3.835,496	6,577	6,109
28	12	97.952	19.162,291	309.766,009	16,165	15,697	78	62	48.692	517,130	3.252,315	6,289	5,821
29	13	97.871	18.062,811	290.603,718	16,089	15,621	79	63	45.448	455,360	2.735,186	6,007	5,539
30	14	97.793	17.026,753	272.540,907	16,007	15,539	80	64	42.133	398,250	2.279,825	5,725	5,257
31	15	97.710	16.049,369	255.514,154	15,921	15,453	81	65	38.717	345,242	1.881,575	5,450	4,982
32	16	97.616	15.126,255	239.464,785	15,831	15,363	82	66	35.248	296,517	1.536,333	5,181	4,713
33	17	97.515	14.255,341	224.338,531	15,737	15,269	83	67	31.650	251,181	1.239,815	4,936	4,468
34	18	97.408	13.433,682	210.083,190	15,639	15,171	84	68	28.136	210,654	988,635	4,693	4,225
35	19	97.287	12.657,539	196.649,508	15,536	15,068	85	69	24.747	174,795	777,980	4,451	3,983
36	20	97.158	11.925,272	183.991,969	15,429	14,961	86	70	21.592	143,879	603,185	4,192	3,724
37	21	97.018	11.234,007	172.066,697	15,317	14,849	87	71	18.466	116,081	459,306	3,957	3,489
38	22	96.877	10.582,726	160.832,690	15,198	14,730	88	72	15.438	91,556	343,225	3,749	3,281
39	23	96.717	9.967,247	150.249,964	15,074	14,606	89	73	12.651	70,779	251,669	3,556	3,088
40	24	96.543	9.386,121	140.282,717	14,946	14,478	90	74	10.165	53,652	180,889	3,372	2,904
41	25	96.351	8.837,180	130.896,595	14,812	14,344	91	75	8.006	39,866	127,238	3,192	2,724
42	26	96.144	8.319,077	122.059,415	14,672	14,204	92	76	6.140	28,842	87,371	3,029	2,561
43	27	95.905	7.828,684	113.740,338	14,529	14,061	93	77	4.591	20,347	58,529	2,877	2,409
44	28	95.640	7.365,121	105.911,654	14,380	13,912	94	78	3.342	13,972	38,182	2,733	2,265
45	29	95.355	6.927,530	98.546,533	14,225	13,757	95	79	2.362	9,318	24,210	2,598	2,130
46	30	95.034	6.513,388	91.619,003	14,066	13,598	96	80	1.619	6,025	14,892	2,472	2,004
47	31	94.680	6.121,844	85.105,615	13,902	13,434	97	81	1.073	3,765	8,868	2,355	1,887
48	32	94.291	5.751,623	78.983,771	13,732	13,264	98	82	686	2,271	5,102	2,247	1,779
49	33	93.873	5.401,987	73.232,147	13,557	13,089	99	83	422	1,318	2,831	2,148	1,680
							100	84	250	0,736	1,513	2,056	1,588

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 17 Jahre

Zinsfuß 6,00%

Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	33	93.452	5.073,340	67.953,526	13,394	12,926
1							51	34	92.951	4.760,550	62.880,186	13,209	12,741
2							52	35	92.427	4.465,723	58.119,636	13,015	12,547
3							53	36	91.837	4.186,094	53.653,913	12,817	12,349
4							54	37	91.209	3.922,103	49.467,819	12,613	12,145
5							55	38	90.534	3.672,720	45.545,716	12,401	11,933
6							56	39	89.793	3.436,489	41.872,996	12,185	11,717
7							57	40	89.019	3.214,008	38.436,507	11,959	11,491
8							58	41	88.172	3.003,232	35.222,500	11,728	11,260
9							59	42	87.245	2.803,463	32.219,268	11,493	11,025
10							60	43	86.231	2.614,033	29.415,806	11,253	10,785
11							61	44	85.149	2.435,140	26.801,773	11,006	10,538
12							62	45	84.010	2.266,549	24.366,633	10,751	10,283
13							63	46	82.747	2.106,106	22.100,083	10,493	10,025
14							64	47	81.404	1.954,664	19.993,977	10,229	9,761
15							65	48	79.964	1.811,391	18.039,313	9,959	9,491
16							66	49	78.397	1.675,373	16.227,922	9,686	9,218
17	0	99.264	36.863,146	615.918,113	16,708	16,240	67	50	76.712	1.546,566	14.552,550	9,410	8,942
18	1	98.837	34.626,949	579.054,966	16,723	16,255	68	51	74.879	1.424,165	13.005,984	9,132	8,664
19	2	98.727	32.630,465	544.428,017	16,685	16,217	69	52	72.906	1.308,147	11.581,819	8,854	8,386
20	3	98.628	30.752,583	511.797,553	16,642	16,174	70	53	70.813	1.198,686	10.273,672	8,571	8,103
21	4	98.536	28.984,838	481.044,970	16,596	16,128	71	54	68.577	1.095,118	9.074,986	8,287	7,819
22	5	98.446	27.319,217	452.060,132	16,547	16,079	72	55	66.186	997,116	7.979,868	8,003	7,535
23	6	98.359	25.750,048	424.740,915	16,495	16,027	73	56	63.614	904,122	6.982,753	7,723	7,255
24	7	98.277	24.272,256	398.990,867	16,438	15,970	74	57	60.902	816,572	6.078,631	7,444	6,976
25	8	98.197	22.879,747	374.718,611	16,378	15,910	75	58	58.056	734,353	5.262,058	7,166	6,698
26	9	98.116	21.566,808	351.838,864	16,314	15,846	76	59	55.105	657,573	4.527,705	6,885	6,418
27	10	98.039	20.330,181	330.272,056	16,245	15,777	77	60	52.090	586,409	3.870,132	6,600	6,132
28	11	97.961	19.164,088	309.941,875	16,173	15,705	78	61	48.967	520,056	3.283,724	6,314	5,846
29	12	97.880	18.064,345	290.777,787	16,097	15,629	79	62	45.736	458,244	2.763,667	6,031	5,563
30	13	97.802	17.028,403	272.713,441	16,015	15,547	80	63	42.422	400,978	2.305,423	5,750	5,282
31	14	97.722	16.051,239	255.685,039	15,929	15,461	81	64	39.002	347,786	1.904,446	5,476	5,008
32	15	97.633	15.128,958	239.633,800	15,839	15,371	82	65	35.538	298,959	1.556,660	5,207	4,739
33	16	97.536	14.258,361	224.504,842	15,745	15,278	83	66	31.939	253,476	1.257,701	4,962	4,494
34	17	97.429	13.436,638	210.246,481	15,647	15,179	84	67	28.425	212,818	1.004,225	4,719	4,251
35	18	97.315	12.661,180	196.809,843	15,544	15,076	85	68	25.034	176,817	791,407	4,476	4,008
36	19	97.185	11.928,578	184.148,663	15,438	14,970	86	69	21.872	145,739	614,590	4,217	3,749
37	20	97.049	11.237,557	172.220,085	15,325	14,857	87	70	18.732	117,755	468,851	3,982	3,514
38	21	96.901	10.585,316	160.982,528	15,208	14,740	88	71	15.693	93,065	351,096	3,773	3,305
39	22	96.743	9.969,947	150.397,212	15,085	14,617	89	72	12.883	72,079	258,031	3,580	3,112
40	23	96.568	9.388,571	140.427,265	14,957	14,489	90	73	10.376	54,767	185,952	3,395	2,927
41	24	96.377	8.839,582	131.038,695	14,824	14,356	91	74	8.193	40,795	131,185	3,216	2,748
42	25	96.168	8.321,125	122.199,113	14,685	14,217	92	75	6.303	29,610	90,390	3,053	2,585
43	26	95.932	7.830,877	113.877,988	14,542	14,074	93	76	4.728	20,954	60,780	2,901	2,433
44	27	95.668	7.367,268	106.047,111	14,394	13,926	94	77	3.454	14,442	39,826	2,758	2,290
45	28	95.383	6.929,586	98.679,843	14,240	13,772	95	78	2.453	9,676	25,385	2,623	2,155
46	29	95.061	6.515,295	91.750,257	14,082	13,614	96	79	1.690	6,289	15,708	2,498	2,030
47	30	94.711	6.123,849	85.234,962	13,919	13,451	97	80	1.128	3,958	9,419	2,380	1,912
48	31	94.325	5.753,679	79.111,113	13,750	13,282	98	81	726	2,405	5,461	2,270	1,802
49	32	93.906	5.403,908	73.357,434	13,575	13,107	99	82	451	1,409	3,056	2,169	1,701
							100	83	269	0,793	1,647	2,077	1,609

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 18 Jahre

Zinsfuß 6,00%

Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	32	93.485	5.075,145	68.066,086	13,412	12,944
1							51	33	92.989	4.762,453	62.990,942	13,227	12,759
2							52	34	92.470	4.467,817	58.228,489	13,033	12,565
3							53	35	91.884	4.188,238	53.760,671	12,836	12,368
4							54	36	91.260	3.924,322	49.572,433	12,632	12,164
5							55	37	90.589	3.674,973	45.648,111	12,421	11,953
6							56	38	89.856	3.438,894	41.973,138	12,205	11,737
7							57	39	89.090	3.216,582	38.534,243	11,980	11,512
8							58	40	88.248	3.005,847	35.317,662	11,750	11,282
9							59	41	87.331	2.806,236	32.311,815	11,514	11,046
10							60	42	86.328	2.616,976	29.505,579	11,275	10,807
11							61	43	85.260	2.438,305	26.888,602	11,028	10,560
12							62	44	84.127	2.269,709	24.450,297	10,772	10,304
13							63	45	82.878	2.109,452	22.180,589	10,515	10,047
14							64	46	81.551	1.958,180	20.071,137	10,250	9,782
15							65	47	80.120	1.814,920	18.112,956	9,980	9,512
16							66	48	78.563	1.678,932	16.298,036	9,707	9,239
17							67	49	76.897	1.550,297	14.619,104	9,430	8,962
18	0	99.214	34.758,927	579.386,009	16,669	16,201	68	50	75.069	1.427,772	13.068,807	9,153	8,685
19	1	98.762	32.642,155	544.627,082	16,685	16,217	69	51	73.109	1.311,790	11.641,034	8,874	8,406
20	2	98.647	30.758,664	511.984,927	16,645	16,177	70	52	71.028	1.202,321	10.329,244	8,591	8,123
21	3	98.553	28.989,814	481.226,263	16,600	16,132	71	53	68.794	1.098,586	9.126,923	8,308	7,840
22	4	98.459	27.322,746	452.236,450	16,552	16,084	72	54	66.417	1.000,596	8.028,337	8,024	7,556
23	5	98.372	25.753,415	424.913,703	16,499	16,031	73	55	63.856	907,558	7.027,741	7,744	7,276
24	6	98.286	24.274,492	399.160,289	16,444	15,976	74	56	61.147	819,864	6.120,183	7,465	6,997
25	7	98.205	22.881,740	374.885,796	16,384	15,916	75	57	58.316	737,645	5.300,319	7,185	6,717
26	8	98.125	21.568,879	352.004,056	16,320	15,852	76	58	55.371	660,755	4.562,673	6,905	6,437
27	9	98.046	20.331,495	330.435,178	16,252	15,784	77	59	52.356	589,405	3.901,918	6,620	6,152
28	10	97.969	19.165,700	310.103,683	16,180	15,712	78	60	49.239	522,935	3.312,513	6,334	5,867
29	11	97.889	18.066,040	290.937,983	16,104	15,636	79	61	45.995	460,837	2.789,579	6,053	5,585
30	12	97.811	17.029,849	272.871,944	16,023	15,555	80	62	42.690	403,517	2.328,742	5,771	5,303
31	13	97.731	16.052,795	255.842,095	15,938	15,470	81	63	39.269	350,167	1.925,225	5,498	5,030
32	14	97.644	15.130,721	239.789,300	15,848	15,380	82	64	35.800	301,161	1.575,057	5,230	4,762
33	15	97.553	14.260,909	224.658,579	15,753	15,285	83	65	32.202	255,564	1.273,896	4,985	4,517
34	16	97.450	13.439,484	210.397,671	15,655	15,187	84	66	28.685	214,763	1.018,332	4,742	4,274
35	17	97.336	12.663,967	196.958,187	15,553	15,085	85	67	25.291	178,633	803,570	4,498	4,030
36	18	97.213	11.932,010	184.294,220	15,445	14,977	86	68	22.125	147,425	624,936	4,239	3,771
37	19	97.075	11.240,673	172.362,210	15,334	14,866	87	69	18.974	119,277	477,512	4,003	3,535
38	20	96.931	10.588,660	161.121,537	15,216	14,748	88	70	15.919	94,407	358,235	3,795	3,327
39	21	96.767	9.972,387	150.532,877	15,095	14,627	89	71	13.096	73,267	263,828	3,601	3,133
40	22	96.594	9.391,113	140.560,490	14,967	14,499	90	72	10.567	55,773	190,561	3,417	2,949
41	23	96.402	8.841,889	131.169,377	14,835	14,367	91	73	8.363	41,643	134,788	3,237	2,769
42	24	96.194	8.323,386	122.327,488	14,697	14,229	92	74	6.450	30,300	93,145	3,074	2,606
43	25	95.955	7.832,804	114.004,102	14,555	14,087	93	75	4.854	21,512	62,845	2,921	2,454
44	26	95.694	7.369,331	106.171,298	14,407	13,939	94	76	3.557	14,872	41,334	2,779	2,311
45	27	95.411	6.931,606	98.801,967	14,254	13,786	95	77	2.536	10,002	26,462	2,646	2,178
46	28	95.090	6.517,230	91.870,361	14,097	13,629	96	78	1.755	6,531	16,460	2,520	2,052
47	29	94.739	6.125,642	85.353,131	13,934	13,466	97	79	1.177	4,132	9,929	2,403	1,935
48	30	94.356	5.755,563	79.227,489	13,765	13,297	98	80	764	2,528	5,797	2,293	1,825
49	31	93.940	5.405,839	73.471,926	13,591	13,123	99	81	478	1,492	3,268	2,191	1,723
							100	82	288	0,848	1,776	2,096	1,628

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 19 Jahre

Zinsfuß 6,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	31	93.518	5.076,958	68.168,939	13,427	12,959
1							51	32	93.022	4.764,147	63.091,980	13,243	12,775
2							52	33	92.507	4.469,603	58.327,833	13,050	12,582
3							53	34	91.928	4.190,202	53.858,230	12,853	12,385
4							54	35	91.307	3.926,332	49.668,028	12,650	12,182
5							55	36	90.641	3.677,053	45.741,695	12,440	11,972
6							56	37	89.911	3.441,005	42.064,643	12,225	11,757
7							57	38	89.152	3.218,833	38.623,638	11,999	11,531
8							58	39	88.319	3.008,254	35.404,805	11,769	11,301
9							59	40	87.407	2.808,680	32.396,551	11,534	11,066
10							60	41	86.413	2.619,566	29.587,871	11,295	10,827
11							61	42	85.356	2.441,050	26.968,305	11,048	10,580
12							62	43	84.236	2.272,659	24.527,255	10,792	10,324
13							63	44	82.994	2.112,393	22.254,596	10,535	10,067
14							64	45	81.680	1.961,291	20.142,204	10,270	9,802
15							65	46	80.264	1.818,186	18.180,913	9,999	9,532
16							66	47	78.716	1.682,203	16.362,727	9,727	9,259
17							67	48	77.060	1.553,591	14.680,524	9,449	8,981
18							68	49	75.250	1.431,217	13.126,933	9,172	8,704
19	0	99.139	32.766,568	544.934,030	16,631	16,163	69	50	73.294	1.315,113	11.695,716	8,893	8,425
20	1	98.683	30.769,684	512.167,462	16,645	16,177	70	51	71.226	1.205,669	10.380,603	8,610	8,142
21	2	98.572	28.995,546	481.397,778	16,602	16,135	71	52	69.003	1.101,918	9.174,934	8,326	7,858
22	3	98.475	27.327,437	452.402,232	16,555	16,087	72	53	66.628	1.003,765	8.073,016	8,043	7,575
23	4	98.384	25.756,741	425.074,795	16,503	16,035	73	54	64.079	910,726	7.069,251	7,762	7,294
24	5	98.299	24.277,666	399.318,054	16,448	15,980	74	55	61.380	822,980	6.158,525	7,483	7,015
25	6	98.215	22.883,848	375.040,387	16,389	15,921	75	56	58.551	740,619	5.335,544	7,204	6,736
26	7	98.134	21.570,757	352.156,539	16,326	15,858	76	57	55.620	663,717	4.594,925	6,923	6,455
27	8	98.055	20.333,446	330.585,782	16,258	15,790	77	58	52.609	592,257	3.931,208	6,638	6,170
28	9	97.975	19.166,938	310.252,335	16,187	15,719	78	59	49.490	525,607	3.338,951	6,353	5,885
29	10	97.897	18.067,559	291.085,397	16,111	15,643	79	60	46.250	463,388	2.813,344	6,071	5,603
30	11	97.820	17.031,446	273.017,838	16,030	15,562	80	61	42.932	405,801	2.349,957	5,791	5,323
31	12	97.739	16.054,158	255.986,392	15,945	15,477	81	62	39.518	352,385	1.944,156	5,517	5,049
32	13	97.654	15.132,187	239.932,234	15,856	15,388	82	63	36.045	303,224	1.591,771	5,249	4,782
33	14	97.564	14.262,571	224.800,047	15,762	15,294	83	64	32.439	257,446	1.288,548	5,005	4,537
34	15	97.467	13.441,886	210.537,476	15,663	15,195	84	65	28.921	216,531	1.031,101	4,762	4,294
35	16	97.357	12.666,649	197.095,591	15,560	15,092	85	66	25.522	180,266	814,570	4,519	4,051
36	17	97.234	11.934,636	184.428,941	15,453	14,985	86	67	22.352	148,939	634,304	4,259	3,791
37	18	97.103	11.243,906	172.494,306	15,341	14,873	87	68	19.194	120,657	485,365	4,023	3,555
38	19	96.958	10.591,596	161.250,399	15,224	14,756	88	69	16.125	95,627	364,709	3,814	3,346
39	20	96.798	9.975,537	150.658,803	15,103	14,635	89	70	13.285	74,323	269,082	3,620	3,152
40	21	96.618	9.393,412	140.683,265	14,977	14,509	90	71	10.741	56,692	194,759	3,435	2,967
41	22	96.428	8.844,283	131.289,854	14,845	14,377	91	72	8.517	42,408	138,067	3,256	2,788
42	23	96.219	8.325,558	122.445,571	14,707	14,239	92	73	6.584	30,930	95,659	3,093	2,625
43	24	95.981	7.834,933	114.120,012	14,566	14,098	93	74	4.967	22,013	64,729	2,941	2,473
44	25	95.718	7.371,145	106.285,080	14,419	13,951	94	75	3.652	15,268	42,716	2,798	2,330
45	26	95.438	6.933,548	98.913,935	14,266	13,798	95	76	2.611	10,300	27,448	2,665	2,197
46	27	95.117	6.519,130	91.980,387	14,109	13,641	96	77	1.814	6,751	17,149	2,540	2,072
47	28	94.767	6.127,461	85.461,258	13,947	13,479	97	78	1.222	4,291	10,398	2,423	1,955
48	29	94.384	5.757,248	79.333,797	13,780	13,312	98	79	797	2,640	6,107	2,314	1,846
49	30	93.971	5.407,610	73.576,548	13,606	13,138	99	80	502	1,568	3,467	2,211	1,743
							100	81	305	0,898	1,899	2,115	1,647

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 20 Jahre

Zinsfuß 6,00%

Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	30	93.549	5.078,621	68.262,914	13,441	12,973
1							51	31	93.055	4.765,849	63.184,293	13,258	12,790
2							52	32	92.540	4.471,193	58.418,443	13,066	12,598
3							53	33	91.964	4.191,877	53.947,250	12,869	12,402
4							54	34	91.350	3.928,174	49.755,373	12,666	12,198
5							55	35	90.687	3.678,936	45.827,199	12,457	11,989
6							56	36	89.962	3.442,951	42.148,263	12,242	11,774
7							57	37	89.207	3.220,808	38.705,312	12,017	11,549
8							58	38	88.381	3.010,360	35.484,503	11,787	11,319
9							59	39	87.477	2.810,929	32.474,143	11,553	11,085
10							60	40	86.489	2.621,847	29.663,214	11,314	10,846
11							61	41	85.441	2.443,466	27.041,367	11,067	10,599
12							62	42	84.331	2.275,217	24.597,902	10,811	10,343
13							63	43	83.101	2.115,138	22.322,684	10,554	10,086
14							64	44	81.794	1.964,025	20.207,546	10,289	9,821
15							65	45	80.391	1.821,074	18.243,521	10,018	9,550
16							66	46	78.858	1.685,230	16.422,447	9,745	9,277
17							67	47	77.210	1.556,618	14.737,217	9,467	8,999
18							68	48	75.409	1.434,257	13.180,599	9,190	8,722
19							69	49	73.471	1.318,286	11.746,342	8,910	8,442
20	0	99.059	30.886,960	512.452,118	16,591	16,123	70	50	71.406	1.208,723	10.428,056	8,627	8,159
21	1	98.608	29.005,935	481.565,159	16,602	16,134	71	51	69.195	1.104,987	9.219,333	8,343	7,875
22	2	98.495	27.332,841	452.559,224	16,557	16,089	72	52	66.830	1.006,809	8.114,347	8,059	7,592
23	3	98.401	25.761,163	425.226,383	16,506	16,039	73	53	64.282	913,611	7.107,538	7,780	7,312
24	4	98.311	24.280,802	399.465,220	16,452	15,984	74	54	61.594	825,853	6.193,927	7,500	7,032
25	5	98.227	22.886,840	375.184,418	16,393	15,925	75	55	58.774	743,434	5.368,074	7,221	6,753
26	6	98.143	21.572,745	352.297,577	16,331	15,863	76	56	55.844	666,392	4.624,639	6,940	6,472
27	7	98.063	20.335,217	330.724,832	16,264	15,796	77	57	52.845	594,912	3.958,247	6,653	6,186
28	8	97.985	19.168,778	310.389,615	16,192	15,724	78	58	49.730	528,150	3.363,335	6,368	5,900
29	9	97.903	18.068,726	291.220,836	16,117	15,649	79	59	46.486	465,756	2.835,185	6,087	5,619
30	10	97.828	17.032,878	273.152,110	16,037	15,569	80	60	43.170	408,047	2.369,429	5,807	5,339
31	11	97.748	16.055,664	256.119,232	15,952	15,484	81	61	39.741	354,379	1.961,382	5,535	5,067
32	12	97.662	15.133,472	240.063,568	15,863	15,395	82	62	36.273	305,144	1.607,003	5,266	4,798
33	13	97.574	14.263,953	224.930,096	15,769	15,301	83	63	32.662	259,209	1.301,859	5,022	4,554
34	14	97.479	13.443,452	210.666,143	15,671	15,203	84	64	29.134	218,126	1.042,650	4,780	4,312
35	15	97.374	12.668,913	197.222,691	15,567	15,099	85	65	25.732	181,750	824,524	4,537	4,069
36	16	97.255	11.937,164	184.553,778	15,460	14,992	86	66	22.556	150,300	642,773	4,277	3,809
37	17	97.125	11.246,381	172.616,614	15,349	14,881	87	67	19.391	121,896	492,473	4,040	3,572
38	18	96.986	10.594,643	161.370,234	15,231	14,763	88	68	16.311	96,733	370,578	3,831	3,363
39	19	96.825	9.978,303	150.775,590	15,110	14,642	89	69	13.456	75,284	273,844	3,638	3,170
40	20	96.649	9.396,380	140.797,287	14,984	14,516	90	70	10.896	57,509	198,561	3,453	2,985
41	21	96.452	8.846,448	131.400,907	14,854	14,386	91	71	8.657	43,107	141,051	3,272	2,804
42	22	96.245	8.327,813	122.554,460	14,716	14,248	92	72	6.705	31,498	97,945	3,110	2,642
43	23	96.007	7.836,977	114.226,647	14,575	14,107	93	73	5.071	22,470	66,447	2,957	2,489
44	24	95.744	7.373,148	106.389,669	14,429	13,961	94	74	3.737	15,624	43,977	2,815	2,347
45	25	95.461	6.935,254	99.016,521	14,277	13,809	95	75	2.681	10,574	28,353	2,681	2,213
46	26	95.144	6.520,955	92.081,267	14,121	13,653	96	76	1.868	6,952	17,779	2,557	2,089
47	27	94.794	6.129,247	85.560,312	13,959	13,491	97	77	1.264	4,435	10,827	2,441	1,973
48	28	94.412	5.758,958	79.431,065	13,793	13,325	98	78	828	2,741	6,392	2,332	1,864
49	29	93.998	5.409,193	73.672,107	13,620	13,152	99	79	524	1,637	3,651	2,230	1,762
							100	80	320	0,944	2,013	2,134	1,666

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 21 Jahre

Zinsfuß 6,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	29	93.576	5.080,108	68.348,733	13,454	12,986
1							51	30	93.085	4.767,410	63.268,625	13,271	12,803
2							52	31	92.573	4.472,791	58.501,215	13,079	12,611
3							53	32	91.997	4.193,368	54.028,424	12,884	12,416
4							54	33	91.386	3.929,744	49.835,055	12,682	12,214
5							55	34	90.729	3.680,662	45.905,311	12,472	12,004
6							56	35	90.008	3.444,715	42.224,650	12,258	11,790
7							57	36	89.258	3.222,631	38.779,935	12,034	11,566
8							58	37	88.435	3.012,207	35.557,304	11,804	11,336
9							59	38	87.539	2.812,897	32.545,097	11,570	11,102
10							60	39	86.558	2.623,946	29.732,200	11,331	10,863
11							61	40	85.515	2.445,593	27.108,254	11,085	10,617
12							62	41	84.414	2.277,469	24.662,660	10,829	10,361
13							63	42	83.195	2.117,520	22.385,192	10,571	10,103
14							64	43	81.900	1.966,578	20.267,672	10,306	9,838
15							65	44	80.503	1.823,612	18.301,094	10,036	9,568
16							66	45	78.983	1.687,907	16.477,482	9,762	9,294
17							67	46	77.349	1.559,419	14.789,575	9,484	9,016
18							68	47	75.556	1.437,052	13.230,156	9,206	8,738
19							69	48	73.627	1.321,087	11.793,104	8,927	8,459
20							70	49	71.579	1.211,639	10.472,018	8,643	8,175
21	0	98.983	29.116,488	481.829,196	16,548	16,080	71	50	69.370	1.107,786	9.260,379	8,359	7,891
22	1	98.530	27.342,633	452.712,708	16,557	16,089	72	51	67.016	1.009,613	8.152,593	8,075	7,607
23	2	98.421	25.766,258	425.370,074	16,509	16,041	73	52	64.477	916,381	7.142,980	7,795	7,327
24	3	98.328	24.284,971	399.603,817	16,455	15,987	74	53	61.789	828,469	6.226,599	7,516	7,048
25	4	98.240	22.889,797	375.318,846	16,397	15,929	75	54	58.979	746,029	5.398,130	7,236	6,768
26	5	98.156	21.575,565	352.429,049	16,335	15,867	76	55	56.056	668,926	4.652,101	6,955	6,487
27	6	98.072	20.337,091	330.853,484	16,268	15,801	77	56	53.058	597,310	3.983,175	6,669	6,201
28	7	97.993	19.170,448	310.516,392	16,198	15,730	78	57	49.953	530,518	3.385,865	6,382	5,914
29	8	97.913	18.070,461	291.345,945	16,123	15,655	79	58	46.711	468,009	2.855,347	6,101	5,633
30	9	97.835	17.033,979	273.275,484	16,043	15,575	80	59	43.390	410,132	2.387,338	5,821	5,353
31	10	97.757	16.057,014	256.241,504	15,958	15,490	81	60	39.961	356,341	1.977,206	5,549	5,081
32	11	97.671	15.134,891	240.184,490	15,870	15,402	82	61	36.478	306,871	1.620,866	5,282	4,814
33	12	97.582	14.265,164	225.049,599	15,776	15,308	83	62	32.868	260,851	1.313,995	5,037	4,569
34	13	97.488	13.444,755	210.784,435	15,678	15,210	84	63	29.334	219,620	1.053,144	4,795	4,327
35	14	97.386	12.670,389	197.339,680	15,575	15,107	85	64	25.922	183,089	833,524	4,553	4,085
36	15	97.272	11.939,297	184.669,291	15,467	14,999	86	65	22.742	151,538	650,435	4,292	3,824
37	16	97.145	11.248,763	172.729,994	15,355	14,887	87	66	19.568	123,010	498,897	4,056	3,588
38	17	97.007	10.596,975	161.481,231	15,238	14,770	88	67	16.479	97,727	375,887	3,846	3,378
39	18	96.852	9.981,174	150.884,256	15,117	14,649	89	68	13.612	76,155	278,161	3,653	3,185
40	19	96.675	9.398,985	140.903,082	14,991	14,523	90	69	11.037	58,253	202,006	3,468	3,000
41	20	96.482	8.849,243	131.504,097	14,860	14,393	91	70	8.782	43,728	143,753	3,287	2,819
42	21	96.268	8.329,851	122.654,854	14,725	14,257	92	71	6.816	32,017	100,025	3,124	2,656
43	22	96.033	7.839,100	114.325,003	14,584	14,116	93	72	5.164	22,883	68,008	2,972	2,504
44	23	95.769	7.375,072	106.485,904	14,439	13,971	94	73	3.815	15,948	45,125	2,829	2,361
45	24	95.487	6.937,139	99.110,831	14,287	13,819	95	74	2.743	10,820	29,177	2,697	2,229
46	25	95.167	6.522,560	92.173,693	14,132	13,664	96	75	1.918	7,137	18,357	2,572	2,104
47	26	94.821	6.130,964	85.651,132	13,970	13,502	97	76	1.301	4,568	11,220	2,456	1,988
48	27	94.439	5.760,637	79.520,169	13,804	13,336	98	77	856	2,833	6,652	2,348	1,880
49	28	94.026	5.410,799	73.759,532	13,632	13,164	99	78	544	1,700	3,819	2,246	1,778
							100	79	334	0,985	2,118	2,151	1,683

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 22 Jahre

Zinsfuß 6,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	28	93.604	5.081,616	68.427,238	13,466	12,998
1							51	29	93.113	4.768,806	63.345,622	13,283	12,815
2							52	30	92.603	4.474,256	58.576,816	13,092	12,624
3							53	31	92.030	4.194,867	54.102,560	12,897	12,429
4							54	32	91.419	3.931,142	49.907,693	12,695	12,228
5							55	33	90.766	3.682,133	45.976,551	12,486	12,018
6							56	34	90.050	3.446,331	42.294,418	12,272	11,804
7							57	35	89.303	3.224,281	38.848,088	12,049	11,581
8							58	36	88.485	3.013,911	35.623,806	11,820	11,352
9							59	37	87.592	2.814,623	32.609,895	11,586	11,118
10							60	38	86.619	2.625,783	29.795,272	11,347	10,879
11							61	39	85.583	2.447,552	27.169,489	11,101	10,633
12							62	40	84.488	2.279,452	24.721,937	10,846	10,378
13							63	41	83.277	2.119,615	22.442,485	10,588	10,120
14							64	42	81.993	1.968,792	20.322,870	10,323	9,855
15							65	43	80.608	1.825,983	18.354,078	10,052	9,584
16							66	44	79.093	1.690,260	16.528,096	9,778	9,310
17							67	45	77.472	1.561,896	14.837,836	9,500	9,032
18							68	46	75.692	1.439,637	13.275,940	9,222	8,754
19							69	47	73.770	1.323,661	11.836,303	8,942	8,474
20							70	48	71.731	1.214,213	10.512,642	8,658	8,190
21							71	49	69.537	1.110,458	9.298,429	8,374	7,906
22	0	98.906	27.446,847	452.957,660	16,503	16,035	72	50	67.186	1.012,170	8.187,971	8,090	7,622
23	1	98.456	25.775,489	425.510,813	16,508	16,040	73	51	64.657	918,933	7.175,800	7,809	7,341
24	2	98.348	24.289,773	399.735,324	16,457	15,989	74	52	61.976	830,981	6.256,867	7,529	7,062
25	3	98.257	22.893,726	375.445,551	16,399	15,932	75	53	59.166	748,392	5.425,886	7,250	6,782
26	4	98.168	21.578,352	352.551,825	16,338	15,870	76	54	56.252	671,260	4.677,494	6,968	6,500
27	5	98.085	20.339,750	330.973,472	16,272	15,804	77	55	53.260	599,581	4.006,233	6,682	6,214
28	6	98.002	19.172,215	310.633,722	16,202	15,734	78	56	50.154	532,656	3.406,653	6,396	5,928
29	7	97.921	18.072,035	291.461,507	16,128	15,660	79	57	46.920	470,107	2.873,996	6,113	5,646
30	8	97.844	17.035,614	273.389,473	16,048	15,580	80	58	43.600	412,116	2.403,889	5,833	5,365
31	9	97.763	16.058,052	256.353,858	15,964	15,496	81	59	40.166	358,161	1.991,773	5,561	5,093
32	10	97.680	15.136,164	240.295,807	15,876	15,408	82	60	36.680	308,569	1.633,611	5,294	4,826
33	11	97.591	14.266,502	225.159,642	15,782	15,314	83	61	33.054	262,327	1.325,042	5,051	4,583
34	12	97.497	13.445,897	210.893,140	15,685	15,217	84	62	29.519	221,011	1.062,715	4,808	4,340
35	13	97.395	12.671,617	197.447,243	15,582	15,114	85	63	26.099	184,343	841,704	4,566	4,098
36	14	97.284	11.940,688	184.775,626	15,474	15,006	86	64	22.909	152,654	657,361	4,306	3,838
37	15	97.163	11.250,773	172.834,938	15,362	14,894	87	65	19.729	124,023	504,707	4,069	3,602
38	16	97.028	10.599,220	161.584,165	15,245	14,777	88	66	16.630	98,620	380,684	3,860	3,392
39	17	96.874	9.983,370	150.984,945	15,124	14,656	89	67	13.752	76,937	282,064	3,666	3,198
40	18	96.703	9.401,689	141.001,575	14,997	14,530	90	68	11.165	58,927	205,128	3,481	3,013
41	19	96.509	8.851,696	131.599,886	14,867	14,399	91	69	8.896	44,293	146,201	3,301	2,833
42	20	96.299	8.332,483	122.748,190	14,731	14,263	92	70	6.914	32,478	101,908	3,138	2,670
43	21	96.056	7.841,018	114.415,707	14,592	14,124	93	71	5.249	23,260	69,429	2,985	2,517
44	22	95.795	7.377,070	106.574,689	14,447	13,979	94	72	3.885	16,241	46,169	2,843	2,375
45	23	95.512	6.938,949	99.197,619	14,296	13,828	95	73	2.800	11,045	29,928	2,710	2,242
46	24	95.193	6.524,333	92.258,670	14,141	13,673	96	74	1.963	7,303	18,883	2,586	2,118
47	25	94.844	6.132,473	85.734,337	13,980	13,512	97	75	1.336	4,689	11,580	2,469	2,001
48	26	94.466	5.762,250	79.601,865	13,814	13,346	98	76	881	2,918	6,890	2,362	1,894
49	27	94.054	5.412,376	73.839,615	13,643	13,175	99	77	563	1,758	3,973	2,260	1,792
							100	78	347	1,023	2,215	2,165	1,697

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 23 Jahre

Zinsfuß 6,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	27	93.631	5.083,098	68.499,144	13,476	13,008
1							51	28	93.140	4.770,222	63.416,046	13,294	12,826
2							52	29	92.630	4.475,566	58.645,824	13,104	12,636
3							53	30	92.060	4.196,241	54.170,258	12,909	12,441
4							54	31	91.451	3.932,547	49.974,017	12,708	12,240
5							55	32	90.798	3.683,443	46.041,470	12,500	12,032
6							56	33	90.086	3.447,708	42.358,028	12,286	11,818
7							57	34	89.345	3.225,794	38.910,319	12,062	11,594
8							58	35	88.531	3.015,455	35.684,526	11,834	11,366
9							59	36	87.642	2.816,216	32.669,071	11,600	11,132
10							60	37	86.672	2.627,394	29.852,855	11,362	10,894
11							61	38	85.643	2.449,265	27.225,461	11,116	10,648
12							62	39	84.555	2.281,277	24.776,196	10,861	10,393
13							63	40	83.350	2.121,460	22.494,918	10,604	10,136
14							64	41	82.074	1.970,740	20.373,458	10,338	9,870
15							65	42	80.699	1.828,039	18.402,718	10,067	9,599
16							66	43	79.196	1.692,457	16.574,679	9,793	9,325
17							67	44	77.580	1.564,073	14.882,223	9,515	9,047
18							68	45	75.813	1.441,924	13.318,150	9,236	8,768
19							69	46	73.903	1.326,042	11.876,225	8,956	8,488
20							70	47	71.871	1.216,579	10.550,183	8,672	8,204
21							71	48	69.685	1.112,817	9.333,604	8,387	7,919
22							72	49	67.348	1.014,612	8.220,787	8,102	7,634
23	0	98.831	25.873,730	425.738,101	16,454	15,986	73	50	64.820	921,261	7.206,175	7,822	7,354
24	1	98.383	24.298,475	399.864,371	16,456	15,988	74	51	62.149	833,295	6.284,914	7,542	7,074
25	2	98.276	22.898,254	375.565,896	16,402	15,934	75	52	59.345	750,661	5.451,618	7,262	6,794
26	3	98.185	21.582,057	352.667,642	16,341	15,873	76	53	56.430	673,387	4.700,957	6,981	6,513
27	4	98.098	20.342,378	331.085,585	16,276	15,808	77	54	53.446	601,674	4.027,570	6,694	6,226
28	5	98.015	19.174,721	310.743,208	16,206	15,738	78	55	50.345	534,681	3.425,897	6,407	5,939
29	6	97.930	18.073,700	291.568,487	16,132	15,664	79	56	47.109	472,002	2.891,215	6,125	5,657
30	7	97.852	17.037,098	273.494,786	16,053	15,585	80	57	43.796	413,964	2.419,213	5,844	5,376
31	8	97.772	16.059,593	256.457,688	15,969	15,501	81	58	40.360	359,895	2.005,249	5,572	5,104
32	9	97.686	15.137,142	240.398,095	15,881	15,413	82	59	36.868	310,146	1.645,355	5,305	4,837
33	10	97.599	14.267,702	225.260,952	15,788	15,320	83	60	33.237	263,779	1.335,209	5,062	4,594
34	11	97.506	13.447,158	210.993,251	15,691	15,223	84	61	29.686	222,262	1.071,430	4,821	4,353
35	12	97.403	12.672,693	197.546,093	15,588	15,120	85	62	26.264	185,510	849,168	4,577	4,110
36	13	97.293	11.941,845	184.873,400	15,481	15,013	86	63	23.066	153,699	663,658	4,318	3,850
37	14	97.174	11.252,084	172.931,554	15,369	14,901	87	64	19.875	124,936	509,958	4,082	3,614
38	15	97.045	10.601,114	161.679,470	15,251	14,783	88	65	16.766	99,432	385,022	3,872	3,404
39	16	96.894	9.985,485	151.078,356	15,130	14,662	89	66	13.877	77,640	285,590	3,678	3,210
40	17	96.724	9.403,758	141.092,871	15,004	14,536	90	67	11.279	59,532	207,950	3,493	3,025
41	18	96.537	8.854,243	131.689,113	14,873	14,405	91	68	8.998	44,806	148,418	3,312	2,845
42	19	96.325	8.334,793	122.834,870	14,738	14,270	92	69	7.003	32,898	103,613	3,149	2,682
43	20	96.086	7.843,496	114.500,077	14,598	14,130	93	70	5.324	23,595	70,714	2,997	2,529
44	21	95.818	7.378,875	106.656,582	14,454	13,986	94	71	3.949	16,509	47,119	2,854	2,386
45	22	95.538	6.940,828	99.277,707	14,303	13,835	95	72	2.852	11,248	30,610	2,721	2,253
46	23	95.218	6.526,035	92.336,878	14,149	13,681	96	73	2.004	7,455	19,362	2,597	2,129
47	24	94.870	6.134,139	85.810,843	13,989	13,521	97	74	1.367	4,798	11,907	2,481	2,013
48	25	94.489	5.763,668	79.676,704	13,824	13,356	98	75	905	2,995	7,108	2,373	1,905
49	26	94.080	5.413,892	73.913,036	13,652	13,185	99	76	579	1,810	4,113	2,273	1,805
							100	77	359	1,057	2,303	2,178	1,710

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 24 Jahre

Zinsfuß 6,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	26	93.658	5.084,521	68.565,062	13,485	13,017
1							51	27	93.167	4.771,613	63.480,540	13,304	12,836
2							52	28	92.658	4.476,895	58.708,928	13,114	12,646
3							53	29	92.087	4.197,469	54.232,033	12,920	12,452
4							54	30	91.481	3.933,835	50.034,564	12,719	12,251
5							55	31	90.830	3.684,759	46.100,729	12,511	12,043
6							56	32	90.118	3.448,935	42.415,970	12,298	11,830
7							57	33	89.381	3.227,083	38.967,035	12,075	11,607
8							58	34	88.572	3.016,869	35.739,952	11,847	11,379
9							59	35	87.687	2.817,658	32.723,083	11,614	11,146
10							60	36	86.721	2.628,881	29.905,425	11,376	10,908
11							61	37	85.696	2.450,768	27.276,544	11,130	10,662
12							62	38	84.615	2.282,874	24.825,776	10,875	10,407
13							63	39	83.417	2.123,159	22.542,901	10,618	10,150
14							64	40	82.145	1.972,456	20.419,742	10,352	9,884
15							65	41	80.779	1.829,847	18.447,286	10,081	9,613
16							66	42	79.285	1.694,362	16.617,439	9,807	9,340
17							67	43	77.681	1.566,106	14.923,076	9,529	9,061
18							68	44	75.918	1.443,934	13.356,971	9,250	8,782
19							69	45	74.020	1.328,149	11.913,036	8,970	8,502
20							70	46	72.000	1.218,768	10.584,888	8,685	8,217
21							71	47	69.821	1.114,985	9.366,120	8,400	7,932
22							72	48	67.491	1.016,768	8.251,134	8,115	7,647
23							73	49	64.977	923,484	7.234,367	7,834	7,366
24	0	98.758	24.391,087	400.075,302	16,403	15,935	74	50	62.306	835,406	6.310,883	7,554	7,086
25	1	98.312	22.906,457	375.684,216	16,401	15,933	75	51	59.510	752,752	5.475,477	7,274	6,806
26	2	98.204	21.586,325	352.777,758	16,343	15,875	76	52	56.601	675,429	4.722,725	6,992	6,524
27	3	98.115	20.345,870	331.191,433	16,278	15,810	77	53	53.615	603,579	4.047,296	6,705	6,238
28	4	98.028	19.177,198	310.845,563	16,209	15,741	78	54	50.520	536,547	3.443,717	6,418	5,950
29	5	97.943	18.076,063	291.668,365	16,136	15,668	79	55	47.288	473,797	2.907,169	6,136	5,668
30	6	97.861	17.038,668	273.592,302	16,057	15,589	80	56	43.972	415,632	2.433,373	5,855	5,387
31	7	97.781	16.060,992	256.553,634	15,974	15,506	81	57	40.541	361,508	2.017,740	5,581	5,113
32	8	97.695	15.138,596	240.492,642	15,886	15,418	82	58	37.046	311,647	1.656,232	5,314	4,846
33	9	97.606	14.268,624	225.354,046	15,794	15,326	83	59	33.407	265,127	1.344,586	5,071	4,604
34	10	97.514	13.448,289	211.085,423	15,696	15,228	84	60	29.851	223,492	1.079,459	4,830	4,362
35	11	97.413	12.673,882	197.637,134	15,594	15,126	85	61	26.413	186,560	855,967	4,588	4,120
36	12	97.301	11.942,860	184.963,252	15,487	15,019	86	62	23.212	154,673	669,407	4,328	3,860
37	13	97.183	11.253,175	173.020,392	15,375	14,907	87	63	20.011	125,792	514,734	4,092	3,624
38	14	97.057	10.602,349	161.767,218	15,258	14,790	88	64	16.890	100,164	388,942	3,883	3,415
39	15	96.912	9.987,270	151.164,869	15,136	14,668	89	65	13.992	78,279	288,778	3,689	3,221
40	16	96.745	9.405,750	141.177,599	15,010	14,542	90	66	11.382	60,076	210,498	3,504	3,036
41	17	96.558	8.856,191	131.771,849	14,879	14,411	91	67	9.091	45,266	150,423	3,323	2,855
42	18	96.353	8.337,191	122.915,658	14,743	14,275	92	68	7.084	33,279	105,157	3,160	2,692
43	19	96.113	7.845,670	114.578,467	14,604	14,136	93	69	5.393	23,900	71,878	3,007	2,539
44	20	95.849	7.381,206	106.732,797	14,460	13,992	94	70	4.006	16,747	47,978	2,865	2,397
45	21	95.561	6.942,527	99.351,590	14,311	13,843	95	71	2.899	11,433	31,231	2,732	2,264
46	22	95.244	6.527,803	92.409,063	14,156	13,688	96	72	2.040	7,592	19,797	2,608	2,140
47	23	94.895	6.135,740	85.881,260	13,997	13,529	97	73	1.395	4,898	12,205	2,492	2,024
48	24	94.515	5.765,234	79.745,520	13,832	13,364	98	74	926	3,065	7,307	2,384	1,916
49	25	94.103	5.415,224	73.980,286	13,662	13,194	99	75	595	1,858	4,242	2,283	1,815
							100	76	369	1,089	2,384	2,189	1,721

Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004

Altersdifferenz zwischen Mann und Frau (x - y) = 25 Jahre

Zinsfuß 6,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	25	93.681	5.085,773	68.625,430	13,494	13,026
1							51	26	93.194	4.772,949	63.539,658	13,312	12,844
2							52	27	92.685	4.478,200	58.766,709	13,123	12,655
3							53	28	92.114	4.198,716	54.288,509	12,930	12,462
4							54	29	91.508	3.934,986	50.089,793	12,729	12,261
5							55	30	90.860	3.685,966	46.154,807	12,522	12,054
6							56	31	90.151	3.450,167	42.468,841	12,309	11,841
7							57	32	89.413	3.228,231	39.018,674	12,087	11,619
8							58	33	88.607	3.018,075	35.790,443	11,859	11,391
9							59	34	87.728	2.818,980	32.772,368	11,626	11,158
10							60	35	86.765	2.630,228	29.953,388	11,388	10,920
11							61	36	85.744	2.452,155	27.323,161	11,143	10,675
12							62	37	84.667	2.284,275	24.871,006	10,888	10,420
13							63	38	83.475	2.124,646	22.586,731	10,631	10,163
14							64	39	82.211	1.974,036	20.462,085	10,366	9,989
15							65	40	80.849	1.831,441	18.488,049	10,095	9,627
16							66	41	79.364	1.696,039	16.656,609	9,821	9,353
17							67	42	77.768	1.567,869	14.960,570	9,542	9,074
18							68	43	76.017	1.445,811	13.392,701	9,263	8,795
19							69	44	74.124	1.330,000	11.946,890	8,983	8,515
20							70	45	72.114	1.220,704	10.616,890	8,697	8,229
21							71	46	69.947	1.116,992	9.396,186	8,412	7,944
22							72	47	67.622	1.018,749	8.279,194	8,127	7,659
23							73	48	65.115	925,446	7.260,445	7,845	7,377
24							74	49	62.457	837,422	6.335,000	7,565	7,097
25	0	98.686	22.993,763	375.879,997	16,347	15,879	75	50	59.661	754,659	5.497,578	7,285	6,817
26	1	98.240	21.594,059	352.886,233	16,342	15,874	76	51	56.759	677,310	4.742,919	7,003	6,535
27	2	98.134	20.349,893	331.292,175	16,280	15,812	77	52	53.778	605,410	4.065,610	6,715	6,248
28	3	98.045	19.180,490	310.942,282	16,211	15,743	78	53	50.680	538,247	3.460,200	6,429	5,961
29	4	97.956	18.078,398	291.761,791	16,139	15,671	79	54	47.454	475,450	2.921,953	6,146	5,678
30	5	97.874	17.040,896	273.683,393	16,060	15,592	80	55	44.139	417,212	2.446,503	5,864	5,396
31	6	97.790	16.062,472	256.642,497	15,978	15,510	81	56	40.704	362,965	2.029,291	5,591	5,123
32	7	97.704	15.139,914	240.580,025	15,890	15,422	82	57	37.212	313,044	1.666,325	5,323	4,855
33	8	97.615	14.269,994	225.440,111	15,798	15,330	83	58	33.569	266,410	1.353,282	5,080	4,612
34	9	97.520	13.449,158	211.170,117	15,701	15,233	84	59	30.003	224,634	1.086,872	4,838	4,370
35	10	97.421	12.674,948	197.720,960	15,599	15,131	85	60	26.559	187,593	862,238	4,596	4,128
36	11	97.311	11.943,980	185.046,012	15,493	15,025	86	61	23.344	155,548	674,645	4,337	3,869
37	12	97.192	11.254,130	173.102,032	15,381	14,913	87	62	20.137	126,589	519,097	4,101	3,633
38	13	97.066	10.603,376	161.847,902	15,264	14,796	88	63	17.006	100,850	392,508	3,892	3,424
39	14	96.923	9.988,433	151.244,525	15,142	14,674	89	64	14.095	78,856	291,658	3,699	3,231
40	15	96.762	9.407,431	141.256,092	15,015	14,547	90	65	11.476	60,571	212,802	3,513	3,045
41	16	96.578	8.858,067	131.848,661	14,885	14,417	91	66	9.174	45,680	152,232	3,333	2,865
42	17	96.374	8.339,026	122.990,594	14,749	14,281	92	67	7.157	33,621	106,552	3,169	2,701
43	18	96.141	7.847,927	114.651,568	14,609	14,141	93	68	5.456	24,177	72,932	3,017	2,549
44	19	95.875	7.383,253	106.803,641	14,466	13,998	94	69	4.058	16,963	48,755	2,874	2,406
45	20	95.591	6.944,721	99.420,388	14,316	13,848	95	70	2.941	11,598	31,791	2,741	2,273
46	21	95.267	6.529,400	92.475,667	14,163	13,695	96	71	2.074	7,717	20,193	2,617	2,149
47	22	94.921	6.137,402	85.946,267	14,004	13,536	97	72	1.421	4,988	12,476	2,501	2,033
48	23	94.539	5.766,739	79.808,865	13,840	13,372	98	73	945	3,129	7,488	2,393	1,925
49	24	94.129	5.416,696	74.042,126	13,669	13,201	99	74	609	1,901	4,359	2,292	1,825
							100	75	379	1,118	2,457	2,198	1,730

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 0 Jahre

Zinsfuß 6,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	0	100.000	100.000,000	1.648.960,798	16,490	16,021	50	50	91.638	4.422,097	55.068,255	12,453	11,985
1	1	99.166	93.332,525	1.548.960,798	16,596	16,128	51	51	90.953	4.130,886	50.646,159	12,260	11,792
2	2	99.090	87.775,442	1.455.628,273	16,584	16,115	52	52	90.231	3.857,009	46.515,273	12,060	11,592
3	3	99.051	82.579,218	1.367.852,831	16,564	16,096	53	53	89.431	3.597,925	42.658,264	11,856	11,388
4	4	99.016	77.694,101	1.285.273,612	16,543	16,074	54	54	88.588	3.354,373	39.060,339	11,645	11,176
5	5	98.990	73.104,610	1.207.579,512	16,519	16,050	55	55	87.680	3.124,714	35.705,966	11,427	10,959
6	6	98.963	68.785,924	1.134.474,901	16,493	16,024	56	56	86.694	2.907,840	32.581,252	11,205	10,736
7	7	98.942	64.726,183	1.065.688,977	16,465	15,996	57	57	85.670	2.704,456	29.673,413	10,972	10,504
8	8	98.922	60.905,934	1.000.962,795	16,435	15,966	58	58	84.550	2.512,084	26.968,956	10,736	10,267
9	9	98.900	57.310,914	940.056,861	16,403	15,934	59	59	83.341	2.330,505	24.456,872	10,494	10,026
10	10	98.885	53.931,151	882.745,947	16,368	15,900	60	60	82.046	2.159,328	22.126,367	10,247	9,779
11	11	98.867	50.749,692	828.814,797	16,331	15,863	61	61	80.675	1.998,368	19.967,040	9,992	9,523
12	12	98.844	47.753,037	778.065,104	16,294	15,825	62	62	79.258	1.847,769	17.968,672	9,725	9,256
13	13	98.822	44.934,349	730.312,067	16,253	15,785	63	63	77.698	1.704,855	16.120,903	9,456	8,988
14	14	98.800	42.281,572	685.377,718	16,210	15,741	64	64	76.054	1.570,626	14.416,048	9,179	8,710
15	15	98.770	39.782,443	643.096,146	16,165	15,697	65	65	74.307	1.444,267	12.845,423	8,894	8,426
16	16	98.729	37.426,778	603.313,704	16,120	15,651	66	66	72.409	1.324,597	11.401,155	8,607	8,139
17	17	98.670	35.204,255	565.886,925	16,074	15,606	67	67	70.380	1.211,750	10.076,558	8,316	7,847
18	18	98.599	33.109,336	530.682,671	16,028	15,560	68	68	68.173	1.104,697	8.864,808	8,025	7,556
19	19	98.496	31.129,136	497.573,335	15,984	15,516	69	69	65.800	1.003,526	7.760,111	7,733	7,264
20	20	98.389	29.266,299	466.444,198	15,938	15,470	70	70	63.288	908,433	6.756,585	7,438	6,969
21	21	98.283	27.515,117	437.177,899	15,889	15,420	71	71	60.609	818,807	5.848,153	7,142	6,674
22	22	98.182	25.869,944	409.662,782	15,835	15,367	72	72	57.749	734,273	5.029,346	6,849	6,381
23	23	98.081	24.323,238	383.792,838	15,779	15,311	73	73	54.711	654,730	4.295,073	6,560	6,092
24	24	97.983	22.869,523	359.469,600	15,718	15,250	74	74	51.518	580,250	3.640,343	6,274	5,805
25	25	97.886	21.502,796	336.600,077	15,654	15,185	75	75	48.208	511,029	3.060,093	5,988	5,520
26	26	97.790	20.218,146	315.097,281	15,585	15,117	76	76	44.787	446,837	2.549,064	5,705	5,236
27	27	97.693	19.009,911	294.879,135	15,512	15,044	77	77	41.321	388,006	2.102,227	5,418	4,950
28	28	97.594	17.873,675	275.869,223	15,434	14,966	78	78	37.788	333,963	1.714,222	5,133	4,665
29	29	97.494	16.804,928	257.995,548	15,352	14,884	79	79	34.179	284,296	1.380,258	4,855	4,387
30	30	97.396	15.800,652	241.190,620	15,265	14,796	80	80	30.561	239,248	1.095,962	4,581	4,113
31	31	97.293	14.855,472	225.389,968	15,172	14,704	81	81	26.911	198,286	856,714	4,321	3,852
32	32	97.182	13.965,590	210.534,495	15,075	14,607	82	82	23.325	161,751	658,428	4,071	3,602
33	33	97.068	13.128,646	196.568,906	14,973	14,504	83	83	19.770	129,032	496,678	3,849	3,381
34	34	96.944	12.340,601	183.440,260	14,865	14,396	84	84	16.483	101,252	367,646	3,631	3,163
35	35	96.806	11.598,150	171.099,659	14,752	14,284	85	85	13.487	77,974	266,394	3,416	2,948
36	36	96.655	10.898,900	159.501,509	14,635	14,166	86	86	10.885	59,228	188,420	3,181	2,713
37	37	96.491	10.240,415	148.602,609	14,511	14,043	87	87	8.491	43,485	129,192	2,971	2,503
38	38	96.316	9.620,490	138.362,194	14,382	13,914	88	88	6.365	30,681	85,707	2,794	2,325
39	39	96.116	9.035,777	128.741,704	14,248	13,780	89	89	4.613	20,928	55,026	2,629	2,161
40	40	95.891	8.484,358	119.705,927	14,109	13,641	90	90	3.223	13,761	34,099	2,478	2,010
41	41	95.642	7.964,591	111.221,569	13,965	13,496	91	91	2.173	8,732	20,338	2,329	1,861
42	42	95.366	7.474,450	103.256,977	13,815	13,346	92	92	1.390	5,258	11,606	2,207	1,739
43	43	95.049	7.011,366	95.782,528	13,661	13,193	93	93	851	3,028	6,348	2,096	1,628
44	44	94.691	6.574,053	88.771,161	13,503	13,035	94	94	497	1,664	3,320	1,995	1,527
45	45	94.305	6.162,155	82.197,108	13,339	12,871	95	95	276	0,870	1,656	1,903	1,435
46	46	93.866	5.772,659	76.034,954	13,172	12,703	96	96	146	0,432	0,786	1,819	1,351
47	47	93.379	5.404,925	70.262,295	13,000	12,531	97	97	73	0,203	0,354	1,743	1,275
48	48	92.848	5.058,067	64.857,370	12,823	12,354	98	98	34	0,090	0,151	1,674	1,206
49	49	92.273	4.731,048	59.799,303	12,640	12,171	99	99	15	0,038	0,061	1,611	1,142
							100	100	6	0,015	0,023	1,553	1,085

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -1 Jahr

Zinsfuß 6,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	1	99.620	99.620,306	1.647.748,306	16,540	16,072	50	51	91.406	4.410,924	54.620,835	12,383	11,915
1	2	99.130	93.299,099	1.548.128,000	16,593	16,125	51	52	90.701	4.119,414	50.209,911	12,189	11,720
2	3	99.071	87.758,088	1.454.828,900	16,578	16,109	52	53	89.958	3.845,348	46.090,498	11,986	11,518
3	4	99.034	82.565,044	1.367.070,813	16,558	16,089	53	54	89.148	3.586,565	42.245,150	11,779	11,310
4	5	99.003	77.684,066	1.284.505,769	16,535	16,067	54	55	88.280	3.342,705	38.658,585	11,565	11,097
5	6	98.977	73.095,054	1.206.821,703	16,510	16,042	55	56	87.348	3.112,881	35.315,880	11,345	10,877
6	7	98.954	68.779,586	1.133.726,649	16,483	16,015	56	57	86.346	2.896,166	32.202,999	11,119	10,651
7	8	98.934	64.720,546	1.064.947,063	16,455	15,986	57	58	85.288	2.692,386	29.306,833	10,885	10,417
8	9	98.912	60.900,087	1.000.226,517	16,424	15,956	58	59	84.143	2.499,987	26.614,447	10,646	10,177
9	10	98.894	57.307,211	939.326,430	16,391	15,923	59	60	82.917	2.318,657	24.114,461	10,400	9,932
10	11	98.876	53.926,615	882.019,220	16,356	15,888	60	61	81.594	2.147,442	21.795,803	10,150	9,681
11	12	98.858	50.744,933	828.092,604	16,319	15,850	61	62	80.221	1.987,122	19.648,361	9,888	9,419
12	13	98.835	47.748,982	777.347,671	16,280	15,812	62	63	78.759	1.836,141	17.661,239	9,619	9,150
13	14	98.813	44.929,995	729.598,689	16,239	15,770	63	64	77.170	1.693,259	15.825,098	9,346	8,878
14	15	98.788	42.276,645	684.668,694	16,195	15,727	64	65	75.498	1.559,140	14.131,839	9,064	8,596
15	16	98.752	39.775,335	642.392,049	16,151	15,682	65	66	73.700	1.432,471	12.572,700	8,777	8,309
16	17	98.708	37.418,852	602.616,715	16,105	15,636	66	67	71.753	1.312,601	11.140,228	8,487	8,019
17	18	98.649	35.196,509	565.197,862	16,058	15,590	67	68	69.665	1.199,433	9.827,627	8,194	7,725
18	19	98.570	33.099,814	530.001,353	16,012	15,544	68	69	67.393	1.092,062	8.628,195	7,901	7,432
19	20	98.468	31.120,507	496.901,539	15,967	15,499	69	70	64.960	990,723	7.536,132	7,607	7,138
20	21	98.358	29.257,055	465.781,032	15,920	15,452	70	71	62.388	895,521	6.545,410	7,309	6,841
21	22	98.259	27.508,385	436.523,977	15,869	15,400	71	72	59.626	805,532	5.649,889	7,014	6,546
22	23	98.155	25.862,940	409.015,592	15,815	15,346	72	73	56.707	721,035	4.844,358	6,719	6,250
23	24	98.056	24.316,892	383.152,652	15,757	15,288	73	74	53.596	641,392	4.123,323	6,429	5,960
24	25	97.957	22.863,310	358.835,760	15,695	15,226	74	75	50.345	567,042	3.481,931	6,141	5,672
25	26	97.861	21.497,505	335.972,450	15,628	15,160	75	76	46.958	497,779	2.914,889	5,856	5,387
26	27	97.762	20.212,486	314.474,945	15,558	15,090	76	77	43.490	433,902	2.417,110	5,571	5,102
27	28	97.664	19.004,371	294.262,459	15,484	15,016	77	78	39.976	375,383	1.983,208	5,283	4,815
28	29	97.565	17.868,370	275.258,088	15,405	14,936	78	79	36.388	321,586	1.607,825	5,000	4,531
29	30	97.465	16.800,009	257.389,718	15,321	14,852	79	80	32.741	272,337	1.286,239	4,723	4,255
30	31	97.365	15.795,479	240.589,709	15,232	14,763	80	81	29.072	227,593	1.013,902	4,455	3,987
31	32	97.259	14.850,166	224.794,230	15,137	14,669	81	82	25.411	187,233	786,309	4,200	3,731
32	33	97.147	13.960,624	209.944,064	15,038	14,570	82	83	21.818	151,298	599,076	3,960	3,491
33	34	97.029	13.123,400	195.983,440	14,934	14,466	83	84	18.353	119,786	447,779	3,738	3,270
34	35	96.898	12.334,815	182.860,040	14,825	14,356	84	85	15.158	93,115	327,993	3,522	3,054
35	36	96.756	11.592,212	170.525,225	14,710	14,242	85	86	12.316	71,204	234,878	3,299	2,830
36	37	96.600	10.892,737	158.933,013	14,591	14,122	86	87	9.787	53,257	163,674	3,073	2,605
37	38	96.432	10.234,135	148.040,276	14,465	13,997	87	88	7.490	38,359	110,417	2,879	2,410
38	39	96.248	9.613,761	137.806,141	14,334	13,866	88	89	5.528	26,645	72,058	2,704	2,236
39	40	96.039	9.028,546	128.192,380	14,199	13,730	89	90	3.929	17,826	45,412	2,548	2,079
40	41	95.807	8.476,977	119.163,834	14,057	13,589	90	91	2.696	11,511	27,587	2,397	1,928
41	42	95.548	7.956,718	110.686,857	13,911	13,443	91	92	1.766	7,096	16,076	2,266	1,797
42	43	95.259	7.466,044	102.730,139	13,760	13,291	92	93	1.105	4,178	8,980	2,149	1,681
43	44	94.926	7.002,266	95.264,095	13,605	13,136	93	94	660	2,350	4,802	2,043	1,575
44	45	94.559	6.564,902	88.261,829	13,445	12,976	94	95	376	1,259	2,452	1,947	1,479
45	46	94.155	6.152,381	81.696,928	13,279	12,811	95	96	203	0,641	1,193	1,859	1,391
46	47	93.697	5.762,291	75.544,546	13,110	12,642	96	97	104	0,310	0,551	1,780	1,311
47	48	93.198	5.394,414	69.782,255	12,936	12,468	97	98	51	0,141	0,241	1,707	1,239
48	49	92.651	5.047,344	64.387,841	12,757	12,288	98	99	23	0,061	0,100	1,641	1,172
49	50	92.051	4.719,661	59.340,497	12,573	12,105	99	100	10	0,025	0,039	1,581	1,112
							100	101	4	0,009	0,014	1,526	1,057

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -2 Jahre

Zinsfuß 6,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	2	99.585	99.584,628	1.646.843,461	16,537	16,069	50	52	91.153	4.398,674	54.137,974	12,308	11,839
1	3	99.111	93.280,653	1.547.258,833	16,587	16,119	51	53	90.427	4.106,960	49.739,300	12,111	11,643
2	4	99.054	87.743,024	1.453.978,180	16,571	16,103	52	54	89.674	3.833,206	45.632,340	11,904	11,436
3	5	99.021	82.554,380	1.366.235,155	16,550	16,081	53	55	88.838	3.574,090	41.799,134	11,695	11,227
4	6	98.990	77.673,911	1.283.680,775	16,527	16,058	54	56	87.945	3.330,047	38.225,044	11,479	11,010
5	7	98.968	73.088,318	1.206.006,864	16,501	16,032	55	57	86.998	3.100,383	34.894,997	11,255	10,787
6	8	98.945	68.773,596	1.132.918,546	16,473	16,005	56	58	85.961	2.883,240	31.794,614	11,027	10,559
7	9	98.924	64.714,333	1.064.144,950	16,444	15,975	57	59	84.877	2.679,420	28.911,374	10,790	10,322
8	10	98.906	60.896,152	999.430,617	16,412	15,944	58	60	83.715	2.487,277	26.231,954	10,546	10,078
9	11	98.886	57.302,391	938.534,465	16,379	15,910	59	61	82.461	2.305,895	23.744,676	10,297	9,829
10	12	98.867	53.921,558	881.232,074	16,343	15,874	60	62	81.135	2.135,358	21.438,781	10,040	9,572
11	13	98.849	50.740,623	827.310,515	16,305	15,836	61	63	79.716	1.974,617	19.303,424	9,776	9,307
12	14	98.826	47.744,355	776.569,892	16,265	15,797	62	64	78.223	1.823,652	17.328,806	9,502	9,034
13	15	98.801	44.924,760	728.825,537	16,223	15,755	63	65	76.605	1.680,876	15.505,155	9,224	8,756
14	16	98.771	42.269,091	683.900,776	16,180	15,711	64	66	74.882	1.546,406	13.824,278	8,940	8,471
15	17	98.732	39.766,911	641.631,685	16,135	15,666	65	67	73.032	1.419,498	12.277,872	8,649	8,181
16	18	98.687	37.410,620	601.864,774	16,088	15,620	66	68	71.024	1.299,258	10.858,374	8,357	7,889
17	19	98.620	35.186,387	564.454,155	16,042	15,573	67	69	68.868	1.185,714	9.559,116	8,062	7,594
18	20	98.543	33.090,638	529.267,768	15,994	15,526	68	70	66.533	1.078,129	8.373,402	7,767	7,298
19	21	98.437	31.110,678	496.177,130	15,949	15,480	69	71	64.037	976,641	7.295,272	7,470	7,001
20	22	98.334	29.249,897	465.066,452	15,900	15,431	70	72	61.377	881,002	6.318,632	7,172	6,704
21	23	98.233	27.500,937	435.816,555	15,847	15,379	71	73	58.551	791,009	5.437,630	6,874	6,406
22	24	98.130	25.856,193	408.315,618	15,792	15,323	72	74	55.552	706,346	4.646,621	6,578	6,110
23	25	98.029	24.310,286	382.459,425	15,732	15,264	73	75	52.376	626,792	3.940,275	6,286	5,818
24	26	97.932	22.857,684	358.149,140	15,669	15,200	74	76	49.040	552,340	3.313,483	5,999	5,531
25	27	97.834	21.491,486	335.291,456	15,601	15,133	75	77	45.598	483,369	2.761,142	5,712	5,244
26	28	97.734	20.206,595	313.799,969	15,530	15,061	76	78	42.075	419,786	2.277,773	5,426	4,958
27	29	97.635	18.998,730	293.593,374	15,453	14,985	77	79	38.495	361,470	1.857,987	5,140	4,672
28	30	97.537	17.863,140	274.594,644	15,372	14,904	78	80	34.857	308,058	1.496,517	4,858	4,390
29	31	97.433	16.794,509	256.731,504	15,287	14,818	79	81	31.146	259,070	1.188,459	4,587	4,119
30	32	97.330	15.789,837	239.936,995	15,196	14,727	80	82	27.451	214,906	929,389	4,325	3,856
31	33	97.224	14.844,885	224.147,159	15,099	14,631	81	83	23.769	175,133	714,482	4,080	3,611
32	34	97.109	13.955,045	209.302,273	14,998	14,530	82	84	20.254	140,456	539,349	3,840	3,372
33	35	96.983	13.117,248	195.347,228	14,892	14,424	83	85	16.878	110,159	398,893	3,621	3,153
34	36	96.849	12.328,500	182.229,980	14,781	14,313	84	86	13.842	85,030	288,734	3,396	2,927
35	37	96.702	11.585,657	169.901,480	14,665	14,196	85	87	11.074	64,026	203,703	3,182	2,713
36	38	96.541	10.886,057	158.315,823	14,543	14,075	86	88	8.634	46,979	139,678	2,973	2,505
37	39	96.365	10.226,976	147.429,765	14,416	13,947	87	89	6.505	33,314	92,698	2,783	2,314
38	40	96.171	9.606,067	137.202,789	14,283	13,815	88	90	4.709	22,696	59,385	2,617	2,148
39	41	95.955	9.020,692	127.596,722	14,145	13,677	89	91	3.287	14,912	36,689	2,460	1,992
40	42	95.713	8.468,598	118.576,030	14,002	13,533	90	92	2.191	9,354	21,777	2,328	1,860
41	43	95.440	7.947,770	110.107,433	13,854	13,386	91	93	1.403	5,638	12,423	2,203	1,735
42	44	95.135	7.456,353	102.159,663	13,701	13,233	92	94	857	3,242	6,785	2,093	1,624
43	45	94.793	6.992,518	94.703,311	13,544	13,075	93	95	500	1,779	3,543	1,992	1,524
44	46	94.409	6.554,490	87.710,792	13,382	12,913	94	96	277	0,928	1,764	1,900	1,432
45	47	93.986	6.141,332	81.156,302	13,215	12,746	95	97	146	0,460	0,836	1,817	1,348
46	48	93.515	5.751,086	75.014,971	13,044	12,575	96	98	73	0,216	0,376	1,741	1,272
47	49	93.000	5.382,978	69.263,885	12,867	12,399	97	99	34	0,096	0,160	1,672	1,203
48	50	92.428	5.035,196	63.880,907	12,687	12,219	98	100	15	0,040	0,064	1,609	1,140
49	51	91.818	4.707,737	58.845,710	12,500	12,031	99	101	6	0,016	0,024	1,551	1,083
							100	102	2	0,006	0,009	1,499	1,031

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -3 Jahre

Zinsfuß 6,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	3	99.565	99.564,939	1.645.899,101	16,531	16,063	50	53	90.877	4.385,376	53.617,694	12,226	11,758
1	4	99.094	93.264,641	1.546.334,162	16,580	16,112	51	54	90.141	4.093,992	49.232,319	12,026	11,557
2	5	99.041	87.731,692	1.453.069,521	16,563	16,094	52	55	89.362	3.819,873	45.138,327	11,817	11,348
3	6	99.008	82.543,588	1.365.337,829	16,541	16,072	53	56	88.502	3.560,555	41.318,454	11,604	11,136
4	7	98.981	77.666,754	1.282.794,240	16,517	16,048	54	57	87.592	3.316,678	37.757,898	11,384	10,916
5	8	98.959	73.081,953	1.205.127,487	16,490	16,022	55	58	86.609	3.086,546	34.441,221	11,158	10,690
6	9	98.936	68.766,994	1.132.045,534	16,462	15,994	56	59	85.547	2.869,355	31.354,674	10,927	10,459
7	10	98.918	64.710,152	1.063.278,540	16,431	15,963	57	60	84.446	2.665,799	28.485,319	10,685	10,217
8	11	98.897	60.891,031	998.568,388	16,399	15,931	58	61	83.254	2.473,587	25.819,521	10,438	9,970
9	12	98.876	57.297,018	937.677,357	16,365	15,897	59	62	81.997	2.292,919	23.345,934	10,182	9,713
10	13	98.859	53.916,979	880.380,339	16,328	15,860	60	63	80.624	2.121,920	21.053,015	9,922	9,453
11	14	98.840	50.735,707	826.463,360	16,290	15,821	61	64	79.174	1.961,186	18.931,095	9,653	9,185
12	15	98.814	47.738,792	775.727,653	16,249	15,781	62	65	77.651	1.810,316	16.969,909	9,374	8,906
13	16	98.783	44.916,733	727.988,861	16,208	15,739	63	66	75.980	1.667,148	15.159,593	9,093	8,625
14	17	98.750	42.260,140	683.072,128	16,164	15,695	64	67	74.204	1.532,401	13.492,445	8,805	8,336
15	18	98.710	39.758,162	640.811,988	16,118	15,649	65	68	72.290	1.405,069	11.960,044	8,512	8,044
16	19	98.658	37.399,861	601.053,827	16,071	15,603	66	69	70.212	1.284,398	10.554,975	8,218	7,749
17	20	98.593	35.176,633	563.653,966	16,024	15,555	67	70	67.990	1.170,587	9.270,577	7,920	7,451
18	21	98.512	33.080,186	528.477,333	15,976	15,507	68	71	65.588	1.062,805	8.099,991	7,621	7,153
19	22	98.413	31.103,066	495.397,147	15,928	15,459	69	72	62.999	960,807	7.037,185	7,324	6,856
20	23	98.307	29.241,977	464.294,081	15,878	15,409	70	73	60.270	865,118	6.076,378	7,024	6,555
21	24	98.207	27.493,762	435.052,104	15,824	15,355	71	74	57.358	774,894	5.211,260	6,725	6,257
22	25	98.103	25.849,168	407.558,342	15,767	15,298	72	75	54.288	690,268	4.436,366	6,427	5,959
23	26	98.005	24.304,304	381.709,174	15,705	15,237	73	76	51.018	610,541	3.746,098	6,136	5,667
24	27	97.905	22.851,285	357.404,870	15,640	15,172	74	77	47.620	536,351	3.135,556	5,846	5,378
25	28	97.806	21.485,223	334.553,585	15,571	15,103	75	78	44.115	467,644	2.599,205	5,558	5,090
26	29	97.705	20.200,598	313.068,362	15,498	15,030	76	79	40.516	404,228	2.131,561	5,273	4,805
27	30	97.607	18.993,169	292.867,764	15,420	14,951	77	80	36.875	346,265	1.727,334	4,988	4,520
28	31	97.505	17.857,291	273.874,595	15,337	14,868	78	81	33.159	293,051	1.381,069	4,713	4,244
29	32	97.398	16.788,509	256.017,304	15,250	14,781	79	82	29.410	244,629	1.088,018	4,448	3,979
30	33	97.295	15.784,222	239.228,795	15,156	14,688	80	83	25.677	201,018	843,389	4,196	3,727
31	34	97.185	14.838,954	223.444,572	15,058	14,590	81	84	22.066	162,583	642,371	3,951	3,483
32	35	97.063	13.948,503	208.605,619	14,955	14,487	82	85	18.626	129,169	479,788	3,714	3,246
33	36	96.934	13.110,532	194.657,116	14,847	14,379	83	86	15.413	100,595	350,619	3,485	3,017
34	37	96.794	12.321,529	181.546,583	14,734	14,266	84	87	12.447	76,458	250,024	3,270	2,802
35	38	96.642	11.578,553	169.225,054	14,615	14,147	85	88	9.769	56,479	173,566	3,073	2,605
36	39	96.474	10.878,442	157.646,502	14,492	14,023	86	89	7.498	40,800	117,087	2,870	2,401
37	40	96.288	10.218,792	146.768,059	14,363	13,894	87	90	5.541	28,376	76,287	2,688	2,220
38	41	96.088	9.597,710	136.549,267	14,227	13,759	88	91	3.939	18,986	47,911	2,524	2,055
39	42	95.860	9.011,775	126.951,557	14,087	13,619	89	92	2.671	12,117	28,925	2,387	1,919
40	43	95.605	8.459,073	117.939,783	13,942	13,474	90	93	1.741	7,433	16,808	2,261	1,793
41	44	95.316	7.937,453	109.480,709	13,793	13,325	91	94	1.089	4,375	9,375	2,143	1,674
42	45	95.003	7.445,973	101.543,256	13,637	13,169	92	95	649	2,454	5,000	2,038	1,569
43	46	94.643	6.981,428	94.097,283	13,478	13,010	93	96	368	1,311	2,546	1,942	1,473
44	47	94.239	6.542,718	87.115,855	13,315	12,847	94	97	199	0,666	1,235	1,855	1,386
45	48	93.804	6.129,389	80.573,137	13,145	12,677	95	98	102	0,321	0,569	1,775	1,307
46	49	93.317	5.738,894	74.443,748	12,972	12,503	96	99	49	0,146	0,248	1,703	1,235
47	50	92.776	5.370,023	68.704,854	12,794	12,326	97	100	22	0,063	0,103	1,637	1,169
48	51	92.195	5.022,474	63.334,831	12,610	12,142	98	101	10	0,025	0,040	1,577	1,109
49	52	91.563	4.694,662	58.312,357	12,421	11,953	99	102	4	0,010	0,015	1,523	1,055
							100	103	1	0,003	0,005	1,473	1,005

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -4 Jahre

Zinsfuß 6,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	4	99.548	99.547,849	1.644.894,882	16,524	16,055	50	54	90.590	4.371,529	53.057,917	12,137	11,669
1	5	99.081	93.252,596	1.545.347,033	16,572	16,103	51	55	89.828	4.079,752	48.686,388	11,934	11,465
2	6	99.028	87.720,223	1.452.094,438	16,554	16,085	52	56	89.024	3.805,408	44.606,637	11,722	11,254
3	7	98.999	82.535,982	1.364.374,214	16,531	16,062	53	57	88.146	3.546,261	40.801,228	11,505	11,037
4	8	98.972	77.659,990	1.281.838,232	16,506	16,037	54	58	87.201	3.301,875	37.254,968	11,283	10,815
5	9	98.949	73.074,938	1.204.178,242	16,479	16,010	55	59	86.192	3.071,683	33.953,093	11,054	10,585
6	10	98.929	68.762,550	1.131.103,304	16,449	15,981	56	60	85.112	2.854,768	30.881,410	10,817	10,349
7	11	98.910	64.704,710	1.062.340,754	16,418	15,950	57	61	83.981	2.651,126	28.026,642	10,572	10,103
8	12	98.888	60.885,321	997.636,044	16,385	15,917	58	62	82.786	2.459,667	25.375,517	10,317	9,848
9	13	98.868	57.292,152	936.750,723	16,350	15,882	59	63	81.481	2.278,490	22.915,850	10,057	9,589
10	14	98.849	53.911,755	879.458,571	16,313	15,845	60	64	80.076	2.107,487	20.637,360	9,792	9,324
11	15	98.828	50.729,795	825.546,817	16,273	15,805	61	65	78.595	1.946,844	18.529,873	9,518	9,050
12	16	98.796	47.730,262	774.817,021	16,233	15,765	62	66	77.017	1.795,530	16.583,028	9,236	8,767
13	17	98.763	44.907,221	727.086,759	16,191	15,723	63	67	75.292	1.652,049	14.787,498	8,951	8,483
14	18	98.728	42.250,842	682.179,538	16,146	15,678	64	68	73.449	1.516,824	13.135,449	8,660	8,191
15	19	98.681	39.746,728	639.928,696	16,100	15,632	65	69	71.463	1.388,998	11.618,625	8,365	7,896
16	20	98.631	37.389,493	600.181,969	16,052	15,584	66	70	69.316	1.268,011	10.229,627	8,067	7,599
17	21	98.562	35.165,522	562.792,475	16,004	15,536	67	71	67.023	1.153,948	8.961,615	7,766	7,298
18	22	98.488	33.072,093	527.626,953	15,954	15,485	68	72	64.524	1.045,575	7.807,667	7,467	6,999
19	23	98.386	31.094,645	494.554,861	15,905	15,436	69	73	61.863	943,485	6.762,092	7,167	6,699
20	24	98.282	29.234,348	463.460,216	15,853	15,385	70	74	59.042	847,494	5.818,607	6,866	6,397
21	25	98.180	27.486,293	434.225,868	15,798	15,330	71	75	56.053	757,256	4.971,113	6,565	6,096
22	26	98.079	25.842,807	406.739,575	15,739	15,271	72	76	52.880	672,371	4.213,857	6,267	5,799
23	27	97.978	24.297,500	380.896,768	15,676	15,208	73	77	49.542	592,867	3.541,486	5,973	5,505
24	28	97.877	22.844,625	356.599,268	15,610	15,141	74	78	46.071	518,902	2.948,619	5,682	5,214
25	29	97.776	21.478,846	333.754,643	15,539	15,070	75	79	42.480	450,312	2.429,717	5,396	4,927
26	30	97.676	20.194,685	312.275,797	15,463	14,995	76	80	38.812	387,223	1.979,404	5,112	4,643
27	31	97.575	18.986,950	292.081,112	15,383	14,915	77	81	35.079	329,397	1.592,181	4,834	4,365
28	32	97.470	17.850,912	273.094,162	15,299	14,830	78	82	31.311	276,715	1.262,784	4,563	4,095
29	33	97.364	16.782,540	255.243,250	15,209	14,741	79	83	27.509	228,820	986,069	4,309	3,841
30	34	97.256	15.777,915	238.460,710	15,114	14,645	80	84	23.837	186,614	757,250	4,058	3,589
31	35	97.140	14.831,997	222.682,795	15,014	14,545	81	85	20.293	149,518	570,636	3,817	3,348
32	36	97.013	13.941,362	207.850,798	14,909	14,441	82	86	17.009	117,954	421,118	3,570	3,102
33	37	96.879	13.103,119	193.909,436	14,799	14,330	83	87	13.859	90,454	303,164	3,352	2,883
34	38	96.735	12.313,973	180.806,317	14,683	14,215	84	88	10.980	67,445	212,711	3,154	2,685
35	39	96.575	11.570,453	168.492,344	14,562	14,094	85	89	8.484	49,050	145,265	2,962	2,493
36	40	96.396	10.869,737	156.921,890	14,437	13,968	86	90	6.387	34,753	96,215	2,769	2,300
37	41	96.204	10.209,902	146.052,154	14,305	13,837	87	91	4.635	23,737	61,463	2,589	2,121
38	42	95.993	9.588,223	135.842,252	14,168	13,699	88	92	3.201	15,428	37,725	2,445	1,977
39	43	95.753	9.001,639	126.254,029	14,026	13,557	89	93	2.122	9,629	22,297	2,316	1,847
40	44	95.481	8.448,093	117.252,390	13,879	13,411	90	94	1.351	5,768	12,669	2,196	1,728
41	45	95.184	7.926,404	108.804,296	13,727	13,258	91	95	824	3,312	6,901	2,084	1,615
42	46	94.852	7.434,164	100.877,892	13,570	13,101	92	96	478	1,809	3,589	1,984	1,516
43	47	94.473	6.968,890	93.443,728	13,409	12,940	93	97	264	0,940	1,780	1,893	1,425
44	48	94.056	6.529,995	86.474,839	13,243	12,774	94	98	138	0,464	0,840	1,810	1,342
45	49	93.605	6.116,395	79.944,844	13,071	12,602	95	99	69	0,217	0,376	1,735	1,267
46	50	93.092	5.725,082	73.828,449	12,896	12,427	96	100	32	0,096	0,159	1,667	1,198
47	51	92.542	5.356,455	68.103,367	12,714	12,246	97	101	14	0,040	0,064	1,604	1,136
48	52	91.939	5.008,526	62.746,912	12,528	12,060	98	102	6	0,016	0,024	1,547	1,079
49	53	91.287	4.680,469	57.738,386	12,336	11,868	99	103	2	0,006	0,008	1,496	1,027
							100	104	1	0,002	0,003	1,449	0,980

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -5 Jahre

Zinsfuß 6,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	5	99.535	99.534,992	1.643.823,473	16,515	16,047	50	55	90.275	4.356,323	52.455,955	12,041	11,573
1	6	99.068	93.240,406	1.544.288,482	16,562	16,094	51	56	89.487	4.064,302	48.099,632	11,835	11,366
2	7	99.019	87.712,140	1.451.048,076	16,543	16,075	52	57	88.666	3.790,130	44.035,330	11,618	11,150
3	8	98.990	82.528,794	1.363.335,935	16,520	16,051	53	58	87.753	3.530,433	40.245,199	11,400	10,931
4	9	98.963	77.652,535	1.280.807,141	16,494	16,026	54	59	86.781	3.285,975	36.714,766	11,173	10,705
5	10	98.943	73.070,216	1.203.154,606	16,466	15,997	55	60	85.754	3.056,067	33.428,791	10,939	10,470
6	11	98.921	68.756,768	1.130.084,390	16,436	15,968	56	61	84.644	2.839,055	30.372,724	10,698	10,230
7	12	98.900	64.698,642	1.061.327,622	16,404	15,936	57	62	83.508	2.636,207	27.533,670	10,444	9,976
8	13	98.880	60.880,150	996.628,980	16,370	15,902	58	63	82.265	2.444,189	24.897,463	10,186	9,718
9	14	98.858	57.286,600	935.748,830	16,335	15,866	59	64	80.926	2.262,992	22.453,275	9,922	9,454
10	15	98.838	53.905,473	878.462,230	16,296	15,828	60	65	79.490	2.092,076	20.190,283	9,651	9,182
11	16	98.811	50.720,731	824.556,757	16,257	15,788	61	66	77.953	1.930,944	18.098,207	9,373	8,904
12	17	98.775	47.720,154	773.836,025	16,216	15,748	62	67	76.320	1.779,269	16.167,263	9,086	8,618
13	18	98.741	44.897,341	726.115,871	16,173	15,704	63	68	74.526	1.635,256	14.387,995	8,799	8,330
14	19	98.700	42.238,691	681.218,530	16,128	15,659	64	69	72.609	1.499,475	12.752,738	8,505	8,036
15	20	98.654	39.735,710	638.979,840	16,081	15,612	65	70	70.552	1.371,277	11.253,263	8,206	7,738
16	21	98.600	37.377,683	599.244,130	16,032	15,564	66	71	68.331	1.249,988	9.881,986	7,906	7,437
17	22	98.538	35.156,918	561.866,447	15,982	15,513	67	72	65.937	1.135,240	8.631,998	7,604	7,135
18	23	98.461	33.063,139	526.709,529	15,930	15,462	68	73	63.361	1.026,724	7.496,757	7,302	6,833
19	24	98.361	31.086,532	493.646,390	15,880	15,411	69	74	60.603	924,264	6.470,033	7,000	6,532
20	25	98.255	29.226,406	462.559,858	15,827	15,358	70	75	57.698	828,203	5.545,769	6,696	6,228
21	26	98.156	27.479,529	433.333,452	15,769	15,301	71	76	54.600	737,622	4.717,566	6,396	5,927
22	27	98.052	25.835,572	405.853,923	15,709	15,241	72	77	51.349	652,907	3.979,944	6,096	5,627
23	28	97.949	24.290,419	380.018,351	15,645	15,176	73	78	47.930	573,580	3.327,037	5,800	5,332
24	29	97.847	22.837,844	355.727,932	15,576	15,108	74	79	44.363	499,671	2.753,457	5,511	5,042
25	30	97.748	21.472,559	332.890,088	15,503	15,035	75	80	40.693	431,369	2.253,786	5,225	4,756
26	31	97.644	20.188,073	311.417,529	15,426	14,957	76	81	36.921	368,360	1.822,417	4,947	4,479
27	32	97.540	18.980,168	291.229,456	15,344	14,876	77	82	33.124	311,035	1.454,057	4,675	4,207
28	33	97.435	17.844,565	272.249,288	15,257	14,788	78	83	29.287	258,833	1.143,022	4,416	3,948
29	34	97.325	16.775,834	254.404,723	15,165	14,697	79	84	25.538	212,423	884,189	4,162	3,694
30	35	97.211	15.770,518	237.628,889	15,068	14,600	80	85	21.922	171,617	671,766	3,914	3,446
31	36	97.090	14.824,404	221.858,371	14,966	14,497	81	86	18.531	136,536	500,149	3,663	3,195
32	37	96.958	13.933,479	207.033,968	14,859	14,390	82	87	15.294	106,062	363,613	3,428	2,960
33	38	96.820	13.095,084	193.100,489	14,746	14,278	83	88	12.225	79,791	257,551	3,228	2,759
34	39	96.667	12.305,359	180.005,405	14,628	14,160	84	89	9.535	58,575	177,760	3,035	2,566
35	40	96.497	11.561,194	167.700,046	14,505	14,037	85	90	7.226	41,780	119,185	2,853	2,384
36	41	96.313	10.860,280	156.138,852	14,377	13,909	86	91	5.343	29,072	77,406	2,663	2,194
37	42	96.109	10.199,810	145.278,571	14,243	13,775	87	92	3.766	19,289	48,334	2,506	2,037
38	43	95.885	9.577,439	135.078,762	14,104	13,635	88	93	2.543	12,259	29,045	2,369	1,901
39	44	95.628	8.989,955	125.501,323	13,960	13,492	89	94	1.647	7,472	16,786	2,247	1,778
40	45	95.348	8.436,333	116.511,368	13,811	13,342	90	95	1.022	4,366	9,314	2,134	1,665
41	46	95.033	7.913,833	108.075,034	13,656	13,188	91	96	608	2,441	4,948	2,027	1,559
42	47	94.682	7.420,812	100.161,201	13,497	13,029	92	97	343	1,297	2,507	1,932	1,464
43	48	94.289	6.955,338	92.740,389	13,334	12,865	93	98	184	0,655	1,210	1,846	1,378
44	49	93.857	6.516,152	85.785,051	13,165	12,697	94	99	94	0,314	0,554	1,768	1,299
45	50	93.379	6.101,675	79.268,900	12,991	12,523	95	100	45	0,142	0,241	1,696	1,228
46	51	92.857	5.710,617	73.167,225	12,812	12,344	96	101	20	0,061	0,099	1,631	1,163
47	52	92.285	5.341,579	67.456,608	12,629	12,160	97	102	9	0,024	0,038	1,572	1,104
48	53	91.661	4.993,384	62.115,030	12,439	11,971	98	103	3	0,009	0,014	1,518	1,050
49	54	90.998	4.665,690	57.121,646	12,243	11,775	99	104	1	0,003	0,005	1,469	1,001
							100	105	0	0,001	0,002	1,425	0,956

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -6 Jahre

Zinsfuß 6,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	6	99.522	99.521,980	1.642.675,396	16,506	16,037	50	56	89.933	4.339,827	51.809,886	11,938	11,470
1	7	99.059	93.231,814	1.543.153,416	16,552	16,083	51	57	89.128	4.047,985	47.470,060	11,727	11,258
2	8	99.010	87.704,502	1.449.921,602	16,532	16,064	52	58	88.271	3.773,215	43.422,074	11,508	11,040
3	9	98.981	82.520,872	1.362.217,100	16,508	16,039	53	59	87.330	3.513,432	39.648,859	11,285	10,817
4	10	98.956	77.647,517	1.279.696,228	16,481	16,012	54	60	86.340	3.269,269	36.135,427	11,053	10,585
5	11	98.935	73.064,071	1.202.048,711	16,452	15,984	55	61	85.282	3.039,245	32.866,158	10,814	10,346
6	12	98.912	68.750,320	1.128.984,639	16,422	15,953	56	62	84.167	2.823,078	29.826,912	10,565	10,097
7	13	98.892	64.693,147	1.060.234,319	16,389	15,920	57	63	82.983	2.619,617	27.003,834	10,308	9,840
8	14	98.870	60.874,251	995.541,172	16,354	15,886	58	64	81.705	2.427,564	24.384,217	10,045	9,576
9	15	98.847	57.279,925	934.666,921	16,318	15,849	59	65	80.335	2.246,443	21.956,653	9,774	9,306
10	16	98.820	53.895,841	877.386,996	16,279	15,811	60	66	78.841	2.074,989	19.710,210	9,499	9,031
11	17	98.790	50.709,990	823.491,154	16,239	15,771	61	67	77.247	1.913,456	17.635,222	9,216	8,748
12	18	98.754	47.709,655	772.781,164	16,198	15,729	62	68	75.544	1.761,183	15.721,766	8,927	8,458
13	19	98.712	44.884,429	725.071,509	16,154	15,686	63	69	73.674	1.616,553	13.960,583	8,636	8,168
14	20	98.672	42.226,982	680.187,081	16,108	15,640	64	70	71.683	1.480,345	12.344,030	8,339	7,870
15	21	98.623	39.723,159	637.960,099	16,060	15,592	65	71	69.549	1.351,787	10.863,686	8,037	7,568
16	22	98.576	37.368,538	598.236,940	16,009	15,541	66	72	67.223	1.229,723	9.511,899	7,735	7,267
17	23	98.511	35.147,400	560.868,402	15,958	15,489	67	73	64.748	1.114,773	8.282,176	7,429	6,961
18	24	98.435	33.054,512	525.721,002	15,905	15,436	68	74	62.070	1.005,807	7.167,403	7,126	6,658
19	25	98.334	31.078,087	492.666,490	15,853	15,384	69	75	59.223	903,226	6.161,595	6,822	6,353
20	26	98.231	29.219,214	461.588,403	15,797	15,329	70	76	56.202	806,730	5.258,370	6,518	6,050
21	27	98.129	27.471,836	432.369,189	15,739	15,270	71	77	53.019	716,269	4.451,639	6,215	5,747
22	28	98.023	25.828,043	404.897,353	15,677	15,208	72	78	49.679	631,666	3.735,370	5,914	5,445
23	29	97.920	24.283,209	379.069,310	15,610	15,142	73	79	46.153	552,322	3.103,704	5,619	5,151
24	30	97.819	22.831,160	354.786,101	15,540	15,071	74	80	42.497	478,651	2.551,382	5,330	4,862
25	31	97.716	21.465,528	331.954,942	15,465	14,996	75	81	38.711	410,355	2.072,731	5,051	4,583
26	32	97.610	20.180,861	310.489,413	15,385	14,917	76	82	34.863	347,826	1.662,375	4,779	4,311
27	33	97.505	18.973,419	290.308,552	15,301	14,832	77	83	30.983	290,934	1.314,549	4,518	4,050
28	34	97.396	17.837,435	271.335,133	15,212	14,743	78	84	27.188	240,285	1.023,615	4,260	3,792
29	35	97.279	16.767,969	253.497,698	15,118	14,650	79	85	23.486	195,352	783,329	4,010	3,541
30	36	97.161	15.762,444	236.729,729	15,019	14,550	80	86	20.018	156,716	587,977	3,752	3,283
31	37	97.035	14.816,021	220.967,285	14,914	14,446	81	87	16.663	122,771	431,260	3,513	3,044
32	38	96.899	13.924,934	206.151,264	14,804	14,336	82	88	13.492	93,560	308,489	3,297	2,829
33	39	96.752	13.085,923	192.226,329	14,690	14,221	83	89	10.617	69,296	214,929	3,102	2,633
34	40	96.590	12.295,512	179.140,406	14,570	14,101	84	90	8.122	49,892	145,633	2,919	2,451
35	41	96.413	11.551,136	166.844,894	14,444	13,976	85	91	6.045	34,950	95,741	2,739	2,271
36	42	96.217	10.849,545	155.293,758	14,313	13,845	86	92	4.341	23,624	60,790	2,573	2,105
37	43	96.001	10.188,338	144.444,213	14,177	13,709	87	93	2.993	15,327	37,166	2,425	1,957
38	44	95.760	9.565,007	134.255,875	14,036	13,568	88	94	1.974	9,513	21,839	2,296	1,827
39	45	95.495	8.977,441	124.690,867	13,889	13,421	89	95	1.247	5,655	12,326	2,180	1,711
40	46	95.197	8.422,953	115.713,426	13,738	13,270	90	96	754	3,218	6,671	2,073	1,604
41	47	94.862	7.899,620	107.290,473	13,582	13,113	91	97	436	1,751	3,452	1,972	1,503
42	48	94.498	7.406,381	99.390,853	13,420	12,951	92	98	239	0,904	1,702	1,882	1,414
43	49	94.089	6.940,593	91.984,472	13,253	12,785	93	99	124	0,443	0,798	1,801	1,333
44	50	93.631	6.500,469	85.043,879	13,083	12,614	94	100	61	0,205	0,355	1,727	1,258
45	51	93.144	6.086,258	78.543,410	12,905	12,437	95	101	29	0,090	0,149	1,659	1,191
46	52	92.599	5.694,757	72.457,152	12,723	12,255	96	102	13	0,037	0,059	1,598	1,129
47	53	92.006	5.325,430	66.762,395	12,537	12,068	97	103	5	0,014	0,022	1,541	1,073
48	54	91.371	4.977,617	61.436,965	12,343	11,874	98	104	2	0,005	0,008	1,490	1,022
49	55	90.682	4.649,462	56.459,348	12,143	11,675	99	105	1	0,002	0,003	1,444	0,976
							100	106					

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -7 Jahre

Zinsfuß 6,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	7	99.513	99.512,810	1.641.445,334	16,495	16,026	50	57	89.572	4.322,403	51.117,674	11,826	11,358
1	8	99.050	93.223,694	1.541.932,524	16,540	16,072	51	58	88.730	4.029,919	46.795,270	11,612	11,144
2	9	99.001	87.696,083	1.448.708,829	16,520	16,051	52	59	87.846	3.755,044	42.765,351	11,389	10,920
3	10	98.974	82.515,540	1.361.012,747	16,494	16,026	53	60	86.886	3.495,571	39.010,307	11,160	10,692
4	11	98.948	77.640,988	1.278.497,206	16,467	15,998	54	61	85.865	3.251,275	35.514,736	10,923	10,455
5	12	98.925	73.057,220	1.200.856,219	16,437	15,969	55	62	84.802	3.022,142	32.263,462	10,676	10,207
6	13	98.903	68.744,481	1.127.798,999	16,406	15,937	56	63	83.638	2.805,313	29.241,319	10,424	9,955
7	14	98.882	64.686,879	1.059.054,518	16,372	15,904	57	64	82.418	2.601,799	26.436,007	10,161	9,692
8	15	98.859	60.867,158	994.367,639	16,337	15,868	58	65	81.108	2.409,811	23.834,207	9,890	9,422
9	16	98.829	57.269,691	933.500,481	16,300	15,832	59	66	79.679	2.228,095	21.424,396	9,616	9,147
10	17	98.799	53.884,428	876.230,790	16,261	15,793	60	67	78.127	2.056,196	19.196,301	9,336	8,867
11	18	98.768	50.698,833	822.346,362	16,220	15,752	61	68	76.462	1.894,006	17.140,104	9,050	8,581
12	19	98.725	47.695,934	771.647,529	16,178	15,710	62	69	74.680	1.741,039	15.246,098	8,757	8,289
13	20	98.685	44.871,986	723.951,595	16,134	15,665	63	70	72.734	1.595,929	13.505,059	8,462	7,994
14	21	98.641	42.213,644	679.079,609	16,087	15,618	64	71	70.664	1.459,304	11.909,131	8,161	7,692
15	22	98.599	39.713,440	636.865,965	16,037	15,568	65	72	68.421	1.329,871	10.449,827	7,858	7,389
16	23	98.549	37.358,421	597.152,525	15,984	15,516	66	73	66.011	1.207,552	9.119,956	7,552	7,084
17	24	98.485	35.138,229	559.794,104	15,931	15,463	67	74	63.429	1.092,062	7.912,404	7,245	6,777
18	25	98.409	33.045,532	524.655,875	15,877	15,408	68	75	60.657	982,913	6.820,342	6,939	6,471
19	26	98.310	31.070,439	491.610,343	15,822	15,354	69	76	57.688	879,808	5.837,428	6,635	6,167
20	27	98.203	29.211,034	460.539,903	15,766	15,298	70	77	54.575	783,377	4.957,621	6,329	5,860
21	28	98.100	27.463,830	431.328,870	15,705	15,237	71	78	51.294	692,967	4.174,244	6,024	5,555
22	29	97.994	25.820,377	403.865,040	15,641	15,173	72	79	47.838	608,255	3.481,276	5,723	5,255
23	30	97.891	24.276,101	378.044,663	15,573	15,104	73	80	44.212	529,088	2.873,021	5,430	4,962
24	31	97.787	22.823,684	353.768,562	15,500	15,032	74	81	40.427	455,334	2.343,934	5,148	4,679
25	32	97.681	21.457,861	330.944,878	15,423	14,955	75	82	36.553	387,481	1.888,599	4,874	4,406
26	33	97.575	20.173,685	309.487,017	15,341	14,873	76	83	32.610	325,348	1.501,119	4,614	4,146
27	34	97.466	18.965,838	289.313,332	15,254	14,786	77	84	28.763	270,087	1.175,770	4,353	3,885
28	35	97.351	17.829,072	270.347,494	15,163	14,695	78	85	25.004	220,976	905,684	4,099	3,630
29	36	97.229	16.759,385	252.518,422	15,067	14,599	79	86	21.447	178,391	684,708	3,838	3,370
30	37	97.106	15.753,531	235.759,037	14,965	14,497	80	87	18.000	140,917	506,317	3,593	3,125
31	38	96.976	14.806,936	220.005,506	14,858	14,390	81	88	14.698	108,299	365,400	3,374	2,906
32	39	96.831	13.915,194	205.198,570	14,746	14,278	82	89	11.717	81,254	257,101	3,164	2,696
33	40	96.674	13.075,451	191.283,376	14,629	14,161	83	90	9.044	59,025	175,846	2,979	2,511
34	41	96.506	12.284,815	178.207,925	14,506	14,038	84	91	6.794	41,737	116,821	2,799	2,331
35	42	96.318	11.539,718	165.923,110	14,378	13,910	85	92	4.912	28,401	75,085	2,644	2,175
36	43	96.109	10.837,343	154.383,392	14,246	13,777	86	93	3.450	18,772	46,684	2,487	2,019
37	44	95.876	10.175,113	143.546,049	14,108	13,639	87	94	2.322	11,894	27,912	2,347	1,878
38	45	95.627	9.551,693	133.370,936	13,963	13,495	88	95	1.494	7,200	16,018	2,225	1,756
39	46	95.344	8.963,203	123.819,243	13,814	13,346	89	96	919	4,169	8,818	2,115	1,647
40	47	95.026	8.407,826	114.856,040	13,661	13,192	90	97	541	2,308	4,649	2,014	1,546
41	48	94.678	7.884,258	106.448,214	13,501	13,033	91	98	304	1,220	2,341	1,919	1,451
42	49	94.297	7.390,680	98.563,957	13,336	12,868	92	99	162	0,611	1,121	1,834	1,366
43	50	93.863	6.923,889	91.173,276	13,168	12,700	93	100	82	0,290	0,510	1,757	1,289
44	51	93.394	6.484,045	84.249,388	12,993	12,525	94	101	39	0,130	0,220	1,687	1,219
45	52	92.885	6.069,355	77.765,343	12,813	12,344	95	102	17	0,055	0,089	1,623	1,155
46	53	92.319	5.677,541	71.695,988	12,628	12,160	96	103	7	0,022	0,034	1,565	1,097
47	54	91.715	5.308,615	66.018,447	12,436	11,968	97	104	3	0,008	0,012	1,512	1,044
48	55	91.054	4.960,304	60.709,832	12,239	11,771	98	105	1	0,003	0,004	1,463	0,995
49	56	90.339	4.631,855	55.749,529	12,036	11,568	99	106					
							100	107					

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -8 Jahre

Zinsfuß 6,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	8	99.504	99.504,143	1.640.123,449	16,483	16,015	50	58	89.172	4.303,112	50.376,845	11,707	11,239
1	9	99.041	93.214,746	1.540.619,306	16,528	16,059	51	59	88.303	4.010,512	46.073,733	11,488	11,020
2	10	98.994	87.690,416	1.447.404,560	16,506	16,037	52	60	87.399	3.735,955	42.063,221	11,259	10,791
3	11	98.966	82.508,601	1.359.714,144	16,480	16,011	53	61	86.408	3.476,330	38.327,266	11,025	10,557
4	12	98.939	77.633,707	1.277.205,543	16,452	15,983	54	62	85.382	3.232,978	34.850,936	10,780	10,311
5	13	98.917	73.051,015	1.199.571,836	16,421	15,953	55	63	84.268	3.003,124	31.617,958	10,528	10,060
6	14	98.894	68.737,821	1.126.520,821	16,389	15,920	56	64	83.069	2.786,232	28.614,833	10,270	9,802
7	15	98.871	64.679,342	1.057.783,001	16,354	15,886	57	65	81.816	2.582,773	25.828,602	10,000	9,532
8	16	98.841	60.856,283	993.103,659	16,319	15,850	58	66	80.445	2.390,129	23.245,829	9,726	9,257
9	17	98.808	57.257,563	932.247,376	16,282	15,813	59	67	78.957	2.207,917	20.855,699	9,446	8,978
10	18	98.777	53.872,572	874.989,814	16,242	15,773	60	68	77.333	2.035,295	18.647,783	9,162	8,694
11	19	98.740	50.684,252	821.117,241	16,201	15,732	61	69	75.588	1.872,343	16.612,488	8,873	8,404
12	20	98.698	47.682,712	770.432,989	16,157	15,689	62	70	73.727	1.718,826	14.740,145	8,576	8,107
13	21	98.654	44.857,813	722.750,277	16,112	15,644	63	71	71.700	1.573,245	13.021,318	8,277	7,808
14	22	98.617	42.203,316	677.892,464	16,063	15,594	64	72	69.518	1.435,645	11.448,073	7,974	7,506
15	23	98.572	39.702,688	635.689,148	16,011	15,543	65	73	67.188	1.305,895	10.012,428	7,667	7,199
16	24	98.523	37.348,674	595.986,460	15,957	15,489	66	74	64.666	1.182,952	8.706,534	7,360	6,892
17	25	98.459	35.128,683	558.637,786	15,903	15,434	67	75	61.985	1.067,205	7.523,582	7,050	6,581
18	26	98.385	33.037,401	523.509,103	15,846	15,378	68	76	59.085	957,429	6.456,377	6,743	6,275
19	27	98.282	31.061,741	490.471,702	15,790	15,322	69	77	56.018	854,339	5.498,948	6,436	5,968
20	28	98.175	29.202,521	459.409,962	15,732	15,264	70	78	52.800	757,892	4.644,609	6,128	5,660
21	29	98.071	27.455,678	430.207,441	15,669	15,201	71	79	49.393	667,285	3.886,718	5,825	5,356
22	30	97.965	25.812,819	402.751,763	15,603	15,134	72	80	45.825	582,668	3.219,433	5,525	5,057
23	31	97.859	24.268,152	376.938,944	15,532	15,064	73	81	42.058	503,313	2.636,765	5,239	4,770
24	32	97.752	22.815,531	352.670,791	15,457	14,989	74	82	38.173	429,952	2.133,452	4,962	4,494
25	33	97.646	21.450,231	329.855,260	15,378	14,909	75	83	34.191	362,440	1.703,500	4,700	4,232
26	34	97.536	20.165,624	308.405,029	15,294	14,825	76	84	30.273	302,034	1.341,059	4,440	3,972
27	35	97.420	18.956,946	288.239,405	15,205	14,737	77	85	26.451	248,382	1.039,025	4,183	3,715
28	36	97.301	17.819,945	269.282,458	15,111	14,643	78	86	22.833	201,790	790,643	3,918	3,450
29	37	97.174	16.749,908	251.462,514	15,013	14,544	79	87	19.284	160,407	588,853	3,671	3,203
30	38	97.046	15.743,871	234.712,606	14,908	14,440	80	88	15.878	124,306	428,447	3,447	2,978
31	39	96.908	14.796,578	218.968,735	14,799	14,330	81	89	12.765	94,055	304,141	3,234	2,765
32	40	96.754	13.904,058	204.172,157	14,684	14,216	82	90	9.980	69,210	210,086	3,035	2,567
33	41	96.590	13.064,076	190.268,099	14,564	14,096	83	91	7.565	49,377	140,875	2,853	2,385
34	42	96.410	12.272,672	177.204,023	14,439	13,971	84	92	5.521	33,915	91,499	2,698	2,230
35	43	96.210	11.526,739	164.931,352	14,309	13,840	85	93	3.903	22,567	57,583	2,552	2,083
36	44	95.984	10.823,276	153.404,612	14,174	13,705	86	94	2.677	14,567	35,016	2,404	1,935
37	45	95.743	10.160,950	142.581,336	14,032	13,564	87	95	1.758	9,002	20,449	2,272	1,803
38	46	95.475	9.536,544	132.420,387	13,886	13,417	88	96	1.101	5,308	11,447	2,156	1,688
39	47	95.172	8.947,105	122.883,843	13,734	13,266	89	97	659	2,990	6,139	2,053	1,585
40	48	94.841	8.391,476	113.936,738	13,578	13,109	90	98	377	1,608	3,149	1,958	1,490
41	49	94.477	7.867,544	105.545,262	13,415	12,947	91	99	205	0,825	1,541	1,868	1,400
42	50	94.070	7.372,893	97.677,719	13,248	12,780	92	100	106	0,400	0,716	1,788	1,320
43	51	93.626	6.906,395	90.304,826	13,076	12,607	93	101	52	0,184	0,316	1,715	1,247
44	52	93.135	6.466,037	83.398,431	12,898	12,430	94	102	24	0,080	0,132	1,649	1,181
45	53	92.604	6.051,006	76.932,394	12,714	12,246	95	103	10	0,033	0,052	1,589	1,120
46	54	92.028	5.659,613	70.881,388	12,524	12,056	96	104	4	0,013	0,019	1,534	1,065
47	55	91.396	5.290,150	65.221,774	12,329	11,861	97	105	2	0,005	0,007	1,483	1,015
48	56	90.709	4.941,520	59.931,624	12,128	11,660	98	106					
49	57	89.976	4.613,260	54.990,105	11,920	11,452	99	107					
							100	108					

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -9 Jahre

Zinsfuß 6,25%

Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	9	99.495	99.494,592	1.638.702,913	16,470	16,002	50	59	88.743	4.282,390	49.585,862	11,579	11,111
1	10	99.034	93.208,722	1.539.208,321	16,514	16,045	51	60	87.854	3.990,124	45.303,472	11,354	10,886
2	11	98.986	87.683,042	1.445.999,599	16,491	16,023	52	61	86.918	3.715,391	41.313,348	11,120	10,651
3	12	98.957	82.500,864	1.358.316,557	16,464	15,996	53	62	85.922	3.456,768	37.597,958	10,877	10,408
4	13	98.930	77.627,113	1.275.815,693	16,435	15,967	54	63	84.845	3.212,634	34.141,190	10,627	10,159
5	14	98.907	73.043,937	1.198.188,580	16,404	15,935	55	64	83.695	2.982,698	30.928,556	10,369	9,901
6	15	98.882	68.729,811	1.125.144,643	16,371	15,902	56	65	82.461	2.765,856	27.945,859	10,104	9,636
7	16	98.853	64.667,785	1.056.414,832	16,336	15,868	57	66	81.147	2.561,678	25.180,002	9,829	9,361
8	17	98.820	60.843,395	991.747,047	16,300	15,832	58	67	79.717	2.368,483	22.618,324	9,550	9,081
9	18	98.787	57.244,965	930.903,652	16,262	15,793	59	68	78.154	2.185,473	20.249,841	9,266	8,797
10	19	98.749	53.857,079	873.658,687	16,222	15,753	60	69	76.448	2.012,016	18.064,368	8,978	8,510
11	20	98.712	50.670,202	819.801,608	16,179	15,711	61	70	74.623	1.848,455	16.052,352	8,684	8,216
12	21	98.667	47.667,652	769.131,406	16,135	15,667	62	71	72.679	1.694,396	14.203,896	8,383	7,915
13	22	98.630	44.846,838	721.463,754	16,087	15,619	63	72	70.538	1.547,739	12.509,500	8,082	7,614
14	23	98.590	42.191,890	676.616,917	16,037	15,568	64	73	68.265	1.409,762	10.961,761	7,776	7,307
15	24	98.546	39.692,329	634.425,027	15,984	15,515	65	74	65.819	1.279,290	9.552,000	7,467	6,998
16	25	98.496	37.338,527	594.732,698	15,928	15,460	66	75	63.194	1.156,026	8.272,709	7,156	6,688
17	26	98.434	35.120,039	557.394,171	15,871	15,403	67	76	60.378	1.039,535	7.116,684	6,846	6,378
18	27	98.357	33.028,152	522.274,132	15,813	15,345	68	77	57.374	929,713	6.077,149	6,537	6,068
19	28	98.254	31.052,688	489.245,980	15,755	15,287	69	78	54.195	826,545	5.147,436	6,228	5,759
20	29	98.145	29.193,853	458.193,292	15,695	15,227	70	79	50.843	729,802	4.320,891	5,921	5,452
21	30	98.042	27.447,642	428.999,439	15,630	15,161	71	80	47.315	639,214	3.591,088	5,618	5,150
22	31	97.933	25.804,367	401.551,797	15,561	15,093	72	81	43.593	554,284	2.951,874	5,326	4,857
23	32	97.824	24.259,484	375.747,430	15,489	15,020	73	82	39.714	475,257	2.397,590	5,045	4,576
24	33	97.717	22.807,419	351.487,946	15,411	14,943	74	83	35.707	402,167	1.922,333	4,780	4,312
25	34	97.607	21.441,660	328.680,527	15,329	14,861	75	84	31.741	336,468	1.520,166	4,518	4,050
26	35	97.490	20.156,170	307.238,868	15,243	14,775	76	85	27.840	277,762	1.183,698	4,262	3,793
27	36	97.370	18.947,241	287.082,697	15,152	14,683	77	86	24.155	226,816	905,935	3,994	3,526
28	37	97.246	17.809,868	268.135,456	15,055	14,587	78	87	20.531	181,446	679,119	3,743	3,274
29	38	97.115	16.739,637	250.325,588	14,954	14,486	79	88	17.011	141,498	497,673	3,517	3,049
30	39	96.979	15.732,858	233.585,951	14,847	14,379	80	89	13.790	107,957	356,175	3,299	2,831
31	40	96.830	14.784,737	217.853,094	14,735	14,267	81	90	10.873	80,114	248,218	3,098	2,630
32	41	96.670	13.891,962	203.068,357	14,618	14,149	82	91	8.349	57,897	168,104	2,904	2,435
33	42	96.495	13.051,162	189.176,395	14,495	14,027	83	92	6.148	40,123	110,207	2,747	2,278
34	43	96.302	12.258,869	176.125,233	14,367	13,899	84	93	4.387	26,949	70,084	2,601	2,132
35	44	96.085	11.511,778	163.866,364	14,235	13,766	85	94	3.029	17,513	43,134	2,463	1,995
36	45	95.851	10.808,210	152.354,586	14,096	13,628	86	95	2.026	11,025	25,622	2,324	1,856
37	46	95.591	10.144,834	141.546,377	13,953	13,484	87	96	1.296	6,637	14,597	2,199	1,731
38	47	95.304	9.519,416	131.401,542	13,804	13,335	88	97	790	3,807	7,960	2,091	1,623
39	48	94.987	8.929,706	121.882,126	13,649	13,181	89	98	459	2,083	4,153	1,994	1,525
40	49	94.640	8.373,686	112.952,420	13,489	13,021	90	99	255	1,087	2,070	1,904	1,436
41	50	94.250	7.848,609	104.578,734	13,324	12,856	91	100	134	0,540	0,983	1,819	1,351
42	51	93.833	7.354,264	96.730,125	13,153	12,685	92	101	67	0,254	0,443	1,744	1,276
43	52	93.366	6.887,214	89.375,861	12,977	12,509	93	102	32	0,113	0,189	1,675	1,207
44	53	92.853	6.446,489	82.488,647	12,796	12,328	94	103	14	0,047	0,076	1,613	1,144
45	54	92.312	6.031,900	76.042,158	12,607	12,138	95	104	6	0,019	0,029	1,556	1,087
46	55	91.707	5.639,928	70.010,258	12,413	11,945	96	105	2	0,007	0,010	1,504	1,035
47	56	91.050	5.270,117	64.370,330	12,214	11,746	97	106					
48	57	90.345	4.921,681	59.100,213	12,008	11,540	98	107					
49	58	89.574	4.592,670	54.178,532	11,797	11,328	99	108					
							100	109					

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -10 Jahre

Zinsfuß 6,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	10	99.488	99.488,163	1.637.178,045	16,456	15,988	50	60	88.292	4.260,619	48.742,714	11,440	10,972
1	11	99.026	93.200,884	1.537.689,883	16,499	16,030	51	61	87.371	3.968,161	44.482,095	11,210	10,741
2	12	98.977	87.674,819	1.444.488,998	16,476	16,007	52	62	86.429	3.694,483	40.513,934	10,966	10,498
3	13	98.948	82.493,857	1.356.814,179	16,447	15,979	53	63	85.381	3.435,014	36.819,451	10,719	10,251
4	14	98.921	77.619,592	1.274.320,322	16,418	15,949	54	64	84.267	3.190,782	33.384,436	10,463	9,994
5	15	98.896	73.035,426	1.196.700,730	16,385	15,917	55	65	83.083	2.960,886	30.193,654	10,198	9,729
6	16	98.865	68.717,531	1.123.665,305	16,352	15,884	56	66	81.788	2.743,267	27.232,769	9,927	9,459
7	17	98.832	64.654,090	1.054.947,774	16,317	15,848	57	67	80.412	2.538,478	24.489,502	9,647	9,179
8	18	98.798	60.830,008	990.293,683	16,280	15,811	58	68	78.906	2.344,407	21.951,024	9,363	8,895
9	19	98.758	57.228,502	929.463,675	16,241	15,773	59	69	77.260	2.160,477	19.606,617	9,075	8,607
10	20	98.722	53.842,149	872.235,173	16,200	15,732	60	70	75.473	1.986,347	17.446,140	8,783	8,315
11	21	98.681	50.654,198	818.393,024	16,156	15,688	61	71	73.563	1.822,182	15.459,793	8,484	8,016
12	22	98.643	47.655,989	767.738,826	16,110	15,642	62	72	71.501	1.666,926	13.637,611	8,181	7,713
13	23	98.603	44.834,696	720.082,838	16,061	15,592	63	73	69.266	1.519,835	11.970,685	7,876	7,408
14	24	98.565	42.180,881	675.248,142	16,008	15,540	64	74	66.874	1.381,041	10.450,851	7,567	7,099
15	25	98.520	39.681,545	633.067,260	15,954	15,485	65	75	64.321	1.250,172	9.069,809	7,255	6,786
16	26	98.472	37.329,339	593.385,715	15,896	15,428	66	76	61.556	1.126,053	7.819,638	6,944	6,476
17	27	98.407	35.110,207	556.056,376	15,837	15,369	67	77	58.630	1.009,442	6.693,585	6,631	6,163
18	28	98.328	33.018,526	520.946,169	15,777	15,309	68	78	55.508	899,467	5.684,142	6,319	5,851
19	29	98.225	31.043,471	487.927,643	15,718	15,249	69	79	52.187	795,911	4.784,675	6,012	5,543
20	30	98.117	29.185,308	456.884,171	15,655	15,186	70	80	48.704	699,102	3.988,764	5,706	5,237
21	31	98.010	27.438,655	427.698,864	15,587	15,119	71	81	45.010	608,076	3.289,662	5,410	4,942
22	32	97.898	25.795,150	400.260,209	15,517	15,049	72	82	41.163	523,386	2.681,586	5,124	4,655
23	33	97.790	24.250,857	374.465,059	15,441	14,973	73	83	37.147	444,544	2.158,200	4,855	4,387
24	34	97.678	22.798,306	350.214,201	15,361	14,893	74	84	33.148	373,348	1.713,656	4,590	4,122
25	35	97.561	21.431,607	327.415,896	15,277	14,809	75	85	29.190	309,429	1.340,308	4,332	3,863
26	36	97.440	20.145,851	305.984,288	15,188	14,720	76	86	25.423	253,646	1.030,879	4,064	3,596
27	37	97.315	18.936,527	285.838,437	15,095	14,626	77	87	21.720	203,950	777,233	3,811	3,343
28	38	97.186	17.798,947	266.901,910	14,995	14,527	78	88	18.111	160,058	573,283	3,582	3,113
29	39	97.047	16.727,927	249.102,963	14,891	14,423	79	89	14.774	122,887	413,225	3,363	2,894
30	40	96.901	15.720,267	232.375,036	14,782	14,314	80	90	11.746	91,955	290,338	3,157	2,689
31	41	96.746	14.771,874	216.654,769	14,667	14,198	81	91	9.096	67,018	198,383	2,960	2,492
32	42	96.574	13.878,230	201.882,894	14,547	14,078	82	92	6.784	47,047	131,365	2,792	2,324
33	43	96.386	13.036,484	188.004,665	14,421	13,953	83	93	4.885	31,882	84,318	2,645	2,176
34	44	96.177	12.242,957	174.968,181	14,291	13,823	84	94	3.404	20,913	52,435	2,507	2,039
35	45	95.951	11.495,753	162.725,224	14,155	13,687	85	95	2.293	13,255	31,522	2,378	1,910
36	46	95.699	10.791,068	151.229,471	14,014	13,546	86	96	1.494	8,128	18,267	2,247	1,779
37	47	95.419	10.126,614	140.438,403	13,868	13,400	87	97	929	4,760	10,139	2,130	1,662
38	48	95.118	9.500,904	130.311,789	13,716	13,247	88	98	550	2,652	5,380	2,028	1,560
39	49	94.786	8.910,776	120.810,884	13,558	13,089	89	99	310	1,408	2,728	1,937	1,468
40	50	94.412	8.353,533	111.900,109	13,396	12,927	90	100	167	0,712	1,319	1,852	1,384
41	51	94.011	7.828,778	103.546,576	13,226	12,758	91	101	85	0,342	0,607	1,773	1,304
42	52	93.572	7.333,840	95.717,798	13,052	12,583	92	102	41	0,155	0,265	1,702	1,233
43	53	93.084	6.866,392	88.383,958	12,872	12,404	93	103	19	0,067	0,109	1,637	1,169
44	54	92.560	6.426,134	81.517,565	12,685	12,217	94	104	8	0,027	0,042	1,578	1,110
45	55	91.991	6.010,919	75.091,431	12,493	12,024	95	105	3	0,010	0,016	1,524	1,056
46	56	91.360	5.618,570	69.080,512	12,295	11,827	96	106					
47	57	90.685	5.248,959	63.461,942	12,090	11,622	97	107					
48	58	89.941	4.899,715	58.212,983	11,881	11,413	98	108					
49	59	89.143	4.570,554	53.313,268	11,665	11,196	99	109					
							100	110					

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -11 Jahre

Zinsfuß 6,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	11	99.480	99.479,797	1.635.538,616	16,441	15,973	50	61	87.806	4.237,168	47.844,949	11,292	10,823
1	12	99.017	93.192,144	1.536.058,820	16,483	16,014	51	62	86.879	3.945,831	43.607,781	11,052	10,583
2	13	98.968	87.667,373	1.442.866,676	16,458	15,990	52	63	85.885	3.671,234	39.661,950	10,803	10,335
3	14	98.939	82.485,864	1.355.199,303	16,429	15,961	53	64	84.800	3.411,650	35.990,716	10,549	10,081
4	15	98.909	77.610,547	1.272.713,439	16,399	15,930	54	65	83.651	3.167,448	32.579,066	10,286	9,817
5	16	98.878	73.022,376	1.195.102,891	16,366	15,898	55	66	82.405	2.936,703	29.411,618	10,015	9,547
6	17	98.844	68.702,978	1.122.080,515	16,332	15,864	56	67	81.047	2.718,422	26.474,915	9,739	9,271
7	18	98.810	64.639,865	1.053.377,537	16,296	15,828	57	68	79.595	2.512,675	23.756,493	9,455	8,986
8	19	98.770	60.812,514	988.737,671	16,259	15,790	58	69	78.004	2.317,593	21.243,818	9,166	8,698
9	20	98.731	57.212,638	927.925,157	16,219	15,751	59	70	76.275	2.132,913	18.926,225	8,873	8,405
10	21	98.690	53.825,143	870.712,520	16,177	15,708	60	71	74.400	1.958,114	16.793,312	8,576	8,108
11	22	98.657	50.641,804	816.887,377	16,131	15,662	61	72	72.370	1.792,640	14.835,199	8,276	7,807
12	23	98.616	47.643,086	766.245,573	16,083	15,615	62	73	70.212	1.636,873	13.042,558	7,968	7,500
13	24	98.577	44.822,998	718.602,487	16,032	15,564	63	74	67.855	1.488,872	11.405,685	7,661	7,192
14	25	98.538	42.169,422	673.779,488	15,978	15,510	64	75	65.352	1.349,607	9.916,813	7,348	6,880
15	26	98.495	39.671,781	631.610,066	15,921	15,453	65	76	62.653	1.217,758	8.567,207	7,035	6,567
16	27	98.445	37.318,889	591.938,285	15,862	15,393	66	77	59.774	1.093,455	7.349,449	6,721	6,253
17	28	98.378	35.099,975	554.619,397	15,801	15,333	67	78	56.723	976,603	6.255,994	6,406	5,938
18	29	98.299	33.008,726	519.519,422	15,739	15,270	68	79	53.450	866,131	5.279,391	6,095	5,627
19	30	98.196	31.034,385	486.510,696	15,677	15,208	69	80	49.992	762,430	4.413,260	5,788	5,320
20	31	98.085	29.175,752	455.476,312	15,611	15,143	70	81	46.332	665,046	3.650,830	5,490	5,021
21	32	97.975	27.428,853	426.300,560	15,542	15,074	71	82	42.501	574,179	2.985,784	5,200	4,732
22	33	97.863	25.785,978	398.871,706	15,469	15,000	72	83	38.503	489,563	2.411,605	4,926	4,458
23	34	97.751	24.241,167	373.085,729	15,391	14,922	73	84	34.485	412,689	1.922,042	4,657	4,189
24	35	97.632	22.787,617	348.844,561	15,309	14,840	74	85	30.484	343,346	1.509,353	4,396	3,928
25	36	97.511	21.420,635	326.056,944	15,222	14,753	75	86	26.655	282,563	1.166,008	4,127	3,658
26	37	97.385	20.134,460	304.636,309	15,130	14,662	76	87	22.860	228,075	883,445	3,873	3,405
27	38	97.256	18.924,915	284.501,849	15,033	14,565	77	88	19.159	179,909	655,370	3,643	3,174
28	39	97.118	17.786,496	265.576,934	14,931	14,463	78	89	15.729	139,006	475,461	3,420	2,952
29	40	96.969	16.714,540	247.790,438	14,825	14,356	79	90	12.584	104,672	336,455	3,214	2,746
30	41	96.817	15.706,591	231.075,898	14,712	14,244	80	91	9.826	76,924	231,783	3,013	2,545
31	42	96.650	14.757,273	215.369,307	14,594	14,126	81	92	7.391	54,459	154,859	2,844	2,375
32	43	96.465	13.862,621	200.612,034	14,471	14,003	82	93	5.391	37,384	100,400	2,686	2,217
33	44	96.261	13.019,562	186.749,413	14,344	13,875	83	94	3.791	24,741	63,016	2,547	2,079
34	45	96.043	12.225,914	173.729,850	14,210	13,742	84	95	2.577	15,828	38,275	2,418	1,950
35	46	95.799	11.477,521	161.503,936	14,071	13,603	85	96	1.690	9,772	22,447	2,297	1,829
36	47	95.527	10.771,687	150.026,415	13,928	13,459	86	97	1.071	5,829	12,675	2,174	1,706
37	48	95.233	10.106,922	139.254,728	13,778	13,310	87	98	648	3,316	6,846	2,064	1,596
38	49	94.917	9.480,763	129.147,806	13,622	13,154	88	99	372	1,793	3,530	1,969	1,500
39	50	94.558	8.889,330	119.667,043	13,462	12,994	89	100	203	0,923	1,737	1,882	1,414
40	51	94.174	8.332,427	110.777,713	13,295	12,826	90	101	106	0,451	0,814	1,803	1,335
41	52	93.750	7.807,036	102.445,287	13,122	12,654	91	102	52	0,210	0,363	1,728	1,260
42	53	93.289	7.311,668	94.638,251	12,943	12,475	92	103	24	0,092	0,153	1,661	1,193
43	54	92.790	6.844,712	87.326,583	12,758	12,290	93	104	11	0,038	0,061	1,600	1,132
44	55	92.238	6.403,782	80.481,871	12,568	12,100	94	105	4	0,015	0,023	1,544	1,076
45	56	91.642	5.988,157	74.078,089	12,371	11,902	95	106					
46	57	90.993	5.596,013	68.089,932	12,168	11,699	96	107					
47	58	90.280	5.225,532	62.493,919	11,959	11,491	97	108					
48	59	89.508	4.876,120	57.268,386	11,745	11,276	98	109					
49	60	88.690	4.547,318	52.392,267	11,522	11,053	99	110					
							100	111					

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -12 Jahre

Zinsfuß 6,25%

Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	12	99.470	99.470,467	1.633.779,220	16,425	15,956	50	62	87.312	4.213,324	46.890,720	11,129	10,661
1	13	99.008	93.184,229	1.534.308,753	16,465	15,997	51	63	86.332	3.921,000	42.677,396	10,884	10,416
2	14	98.959	87.658,879	1.441.124,523	16,440	15,972	52	64	85.301	3.646,263	38.756,396	10,629	10,161
3	15	98.927	82.476,252	1.353.465,644	16,410	15,942	53	65	84.180	3.386,701	35.110,133	10,367	9,899
4	16	98.891	77.596,681	1.270.989,392	16,379	15,911	54	66	82.968	3.141,579	31.723,432	10,098	9,630
5	17	98.857	73.006,912	1.193.392,711	16,346	15,878	55	67	81.658	2.910,107	28.581,854	9,822	9,353
6	18	98.822	68.687,862	1.120.385,799	16,311	15,843	56	68	80.223	2.690,789	25.671,747	9,541	9,072
7	19	98.782	64.621,275	1.051.697,937	16,275	15,806	57	69	78.685	2.483,936	22.980,958	9,252	8,783
8	20	98.742	60.795,656	987.076,662	16,236	15,768	58	70	77.009	2.288,025	20.497,022	8,958	8,490
9	21	98.700	57.194,567	926.281,005	16,195	15,727	59	71	75.191	2.102,597	18.208,997	8,660	8,192
10	22	98.666	53.811,973	869.086,439	16,150	15,682	60	72	73.194	1.926,368	16.106,401	8,361	7,893
11	23	98.630	50.628,093	815.274,465	16,103	15,635	61	73	71.065	1.760,321	14.180,032	8,055	7,587
12	24	98.590	47.630,656	764.646,372	16,054	15,585	62	74	68.781	1.603,526	12.419,712	7,745	7,277
13	25	98.551	44.810,821	717.015,716	16,001	15,533	63	75	66.310	1.454,983	10.816,186	7,434	6,966
14	26	98.514	42.159,045	672.204,895	15,944	15,476	64	76	63.658	1.314,615	9.361,203	7,121	6,653
15	27	98.468	39.660,675	630.045,850	15,886	15,418	65	77	60.839	1.182,506	8.046,589	6,805	6,336
16	28	98.416	37.308,013	590.385,175	15,825	15,356	66	78	57.829	1.057,883	6.864,083	6,489	6,020
17	29	98.349	35.089,556	553.077,162	15,762	15,294	67	79	54.620	940,408	5.806,200	6,174	5,706
18	30	98.270	32.999,064	517.987,606	15,697	15,229	68	80	51.202	829,696	4.865,793	5,865	5,396
19	31	98.164	31.024,224	484.988,542	15,633	15,164	69	81	47.556	725,289	4.036,097	5,565	5,096
20	32	98.050	29.165,330	453.964,319	15,565	15,097	70	82	43.749	627,974	3.310,808	5,272	4,804
21	33	97.940	27.419,100	424.798,989	15,493	15,024	71	83	39.755	537,073	2.682,834	4,995	4,527
22	34	97.824	25.775,674	397.379,889	15,417	14,949	72	84	35.744	454,482	2.145,760	4,721	4,253
23	35	97.705	24.229,803	371.604,214	15,337	14,868	73	85	31.714	379,524	1.691,279	4,456	3,988
24	36	97.582	22.775,951	347.374,412	15,252	14,783	74	86	27.837	313,535	1.311,754	4,184	3,715
25	37	97.456	21.408,523	324.598,461	15,162	14,694	75	87	23.968	254,077	998,220	3,929	3,460
26	38	97.325	20.122,113	303.189,938	15,068	14,599	76	88	20.165	201,190	744,143	3,699	3,230
27	39	97.188	18.911,677	283.067,825	14,968	14,500	77	89	16.639	156,246	542,953	3,475	3,007
28	40	97.040	17.772,262	264.156,148	14,863	14,395	78	90	13.397	118,402	386,707	3,266	2,798
29	41	96.885	16.699,999	246.383,886	14,754	14,285	79	91	10.527	87,562	268,305	3,064	2,596
30	42	96.721	15.691,065	229.683,887	14,638	14,170	80	92	7.985	62,508	180,743	2,892	2,423
31	43	96.542	14.740,675	213.992,822	14,517	14,049	81	93	5.873	43,274	118,235	2,732	2,264
32	44	96.340	13.844,627	199.252,146	14,392	13,924	82	94	4.183	29,010	74,961	2,584	2,116
33	45	96.127	13.001,439	185.407,519	14,261	13,792	83	95	2.869	18,726	45,951	2,454	1,986
34	46	95.891	12.206,524	172.406,080	14,124	13,656	84	96	1.900	11,669	27,225	2,333	1,865
35	47	95.627	11.456,907	160.199,556	13,983	13,514	85	97	1.212	7,008	15,556	2,220	1,751
36	48	95.341	10.750,740	148.742,649	13,836	13,367	86	98	746	4,061	8,548	2,105	1,636
37	49	95.032	10.085,496	137.991,909	13,682	13,214	87	99	438	2,242	4,487	2,002	1,533
38	50	94.688	9.457,946	127.906,413	13,524	13,055	88	100	244	1,175	2,245	1,911	1,443
39	51	94.319	8.866,870	118.448,467	13,359	12,890	89	101	129	0,585	1,071	1,831	1,362
40	52	93.912	8.309,286	109.581,598	13,188	12,719	90	102	65	0,277	0,486	1,756	1,288
41	53	93.467	7.783,433	101.272,312	13,011	12,543	91	103	31	0,124	0,209	1,685	1,217
42	54	92.995	7.288,581	93.488,878	12,827	12,358	92	104	14	0,052	0,085	1,623	1,154
43	55	92.467	6.820,904	86.200,297	12,638	12,169	93	105	6	0,021	0,033	1,565	1,097
44	56	91.889	6.379,532	79.379,393	12,443	11,974	94	106					
45	57	91.274	5.964,116	72.999,861	12,240	11,771	95	107					
46	58	90.587	5.571,038	67.035,745	12,033	11,565	96	108					
47	59	89.845	5.200,368	61.464,707	11,819	11,351	97	109					
48	60	89.053	4.851,331	56.264,339	11,598	11,129	98	110					
49	61	88.202	4.522,288	51.413,008	11,369	10,900	99	111					
							100	112					

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -13 Jahre

Zinsfuß 6,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	13	99.462	99.462,020	1.631.893,164	16,407	15,939	50	63	86.762	4.186,810	45.876,777	10,957	10,489
1	14	98.999	93.175,201	1.532.431,144	16,447	15,978	51	64	85.745	3.894,330	41.689,967	10,705	10,237
2	15	98.947	87.648,665	1.439.255,943	16,421	15,952	52	65	84.677	3.619,599	37.795,637	10,442	9,974
3	16	98.910	82.461,516	1.351.607,279	16,391	15,922	53	66	83.493	3.359,041	34.176,039	10,174	9,706
4	17	98.871	77.580,248	1.269.145,763	16,359	15,891	54	67	82.217	3.113,127	30.816,998	9,899	9,431
5	18	98.836	72.990,849	1.191.565,515	16,325	15,857	55	68	80.828	2.880,525	27.703,871	9,618	9,149
6	19	98.794	68.668,108	1.118.574,666	16,290	15,821	56	69	79.306	2.660,013	24.823,346	9,332	8,864
7	20	98.755	64.603,362	1.049.906,557	16,252	15,783	57	70	77.681	2.452,245	22.163,333	9,038	8,570
8	21	98.711	60.776,454	985.303,195	16,212	15,744	58	71	75.914	2.255,504	19.711,088	8,739	8,271
9	22	98.675	57.180,573	924.526,742	16,169	15,700	59	72	73.972	2.068,509	17.455,584	8,439	7,970
10	23	98.639	53.797,404	867.346,169	16,122	15,654	60	73	71.874	1.891,638	15.387,075	8,134	7,666
11	24	98.604	50.614,884	813.548,765	16,073	15,605	61	74	69.617	1.724,459	13.495,438	7,826	7,358
12	25	98.563	47.617,716	762.933,881	16,022	15,554	62	75	67.216	1.567,027	11.770,979	7,512	7,043
13	26	98.526	44.799,794	715.316,165	15,967	15,499	63	76	64.591	1.417,259	10.203,952	7,200	6,731
14	27	98.486	42.147,243	670.516,370	15,909	15,441	64	77	61.815	1.276,559	8.786,693	6,883	6,415
15	28	98.439	39.649,116	628.369,128	15,848	15,380	65	78	58.860	1.144,036	7.510,135	6,565	6,096
16	29	98.387	37.296,939	588.720,012	15,785	15,316	66	79	55.686	1.018,675	6.366,099	6,249	5,781
17	30	98.320	35.079,285	551.423,073	15,719	15,251	67	80	52.323	900,848	5.347,424	5,936	5,468
18	31	98.238	32.988,259	516.343,788	15,652	15,184	68	81	48.708	789,278	4.446,575	5,634	5,165
19	32	98.129	31.013,141	483.355,528	15,586	15,117	69	82	44.905	684,859	3.657,297	5,340	4,872
20	33	98.015	29.154,960	452.342,387	15,515	15,047	70	83	40.922	587,392	2.972,439	5,060	4,592
21	34	97.901	27.408,144	423.187,427	15,440	14,972	71	84	36.906	498,588	2.385,047	4,784	4,315
22	35	97.778	25.763,590	395.779,283	15,362	14,894	72	85	32.871	417,959	1.886,459	4,514	4,045
23	36	97.655	24.217,398	370.015,693	15,279	14,811	73	86	28.961	346,572	1.468,501	4,237	3,769
24	37	97.527	22.763,072	345.798,295	15,191	14,723	74	87	25.031	281,926	1.121,928	3,980	3,511
25	38	97.397	21.395,395	323.035,223	15,098	14,630	75	88	21.143	224,127	840,002	3,748	3,280
26	39	97.257	20.108,037	301.639,828	15,001	14,533	76	89	17.513	174,728	615,876	3,525	3,056
27	40	97.110	18.896,542	281.531,791	14,899	14,430	77	90	14.173	133,087	441,148	3,315	2,846
28	41	96.956	17.756,801	262.635,248	14,791	14,322	78	91	11.207	99,048	308,061	3,110	2,642
29	42	96.789	16.683,491	244.878,448	14,678	14,210	79	92	8.554	71,153	209,014	2,938	2,469
30	43	96.612	15.673,418	228.194,956	14,559	14,091	80	93	6.345	49,670	137,860	2,776	2,307
31	44	96.416	14.721,542	212.521,538	14,436	13,968	81	94	4.558	33,581	88,191	2,626	2,158
32	45	96.206	13.825,355	197.799,997	14,307	13,839	82	95	3.166	21,957	54,610	2,487	2,019
33	46	95.975	12.980,819	183.974,641	14,173	13,704	83	96	2.115	13,805	32,653	2,365	1,897
34	47	95.718	12.184,601	170.993,823	14,034	13,565	84	97	1.362	8,369	18,848	2,252	1,784
35	48	95.441	11.434,628	158.809,221	13,888	13,420	85	98	845	4,883	10,480	2,146	1,678
36	49	95.139	10.727,949	147.374,594	13,737	13,269	86	99	505	2,746	5,597	2,039	1,570
37	50	94.803	10.061,223	136.646,644	13,582	13,113	87	100	287	1,469	2,852	1,942	1,473
38	51	94.449	9.434,049	126.585,422	13,418	12,950	88	101	154	0,745	1,383	1,857	1,389
39	52	94.057	8.842,244	117.151,373	13,249	12,781	89	102	79	0,358	0,638	1,781	1,313
40	53	93.628	8.284,165	108.309,129	13,074	12,606	90	103	38	0,164	0,280	1,711	1,243
41	54	93.172	7.758,857	100.024,964	12,892	12,423	91	104	18	0,071	0,116	1,645	1,176
42	55	92.671	7.263,230	92.266,107	12,703	12,235	92	105	8	0,029	0,046	1,586	1,117
43	56	92.117	6.795,074	85.002,877	12,509	12,041	93	106					
44	57	91.520	6.353,920	78.207,803	12,309	11,840	94	107					
45	58	90.867	5.937,498	71.853,883	12,102	11,633	95	108					
46	59	90.151	5.544,210	65.916,385	11,889	11,421	96	109					
47	60	89.388	5.173,931	60.372,175	11,669	11,200	97	110					
48	61	88.563	4.824,628	55.198,244	11,441	10,973	98	111					
49	62	87.705	4.496,840	50.373,617	11,202	10,734	99	112					
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -14 Jahre

Zinsfuß 6,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	14	99.452	99.452,383	1.629.871,441	16,388	15,920	50	64	86.172	4.158,332	44.802,170	10,774	10,306
1	15	98.987	93.164,344	1.530.419,058	16,427	15,959	51	65	85.118	3.865,852	40.643,838	10,514	10,045
2	16	98.929	87.633,004	1.437.254,715	16,401	15,932	52	66	83.985	3.590,036	36.777,987	10,244	9,776
3	17	98.889	82.444,053	1.349.621,710	16,370	15,902	53	67	82.737	3.328,619	33.187,951	9,970	9,502
4	18	98.849	77.563,179	1.267.177,657	16,337	15,869	54	68	81.381	3.081,482	29.859,332	9,690	9,222
5	19	98.807	72.969,857	1.189.614,479	16,303	15,834	55	69	79.904	2.847,579	26.777,850	9,404	8,935
6	20	98.766	68.649,073	1.116.644,621	16,266	15,798	56	70	78.294	2.626,076	23.930,271	9,113	8,644
7	21	98.723	64.582,956	1.047.995,548	16,227	15,759	57	71	76.577	2.417,390	21.304,195	8,813	8,345
8	22	98.687	60.761,583	983.412,592	16,185	15,716	58	72	74.683	2.218,937	18.886,804	8,512	8,043
9	23	98.649	57.165,092	922.651,008	16,140	15,672	59	73	72.638	2.031,215	16.667,867	8,206	7,738
10	24	98.614	53.783,368	865.485,917	16,092	15,624	60	74	70.410	1.853,100	14.636,652	7,898	7,430
11	25	98.578	50.601,133	811.702,548	16,041	15,573	61	75	68.033	1.685,207	12.783,552	7,586	7,117
12	26	98.539	47.605,999	761.101,415	15,988	15,519	62	76	65.473	1.526,398	11.098,344	7,271	6,803
13	27	98.499	44.787,252	713.495,417	15,931	15,462	63	77	62.721	1.376,231	9.571,947	6,955	6,487
14	28	98.457	42.134,959	668.708,164	15,871	15,402	64	78	59.804	1.235,029	8.195,716	6,636	6,168
15	29	98.410	39.637,348	626.573,205	15,808	15,339	65	79	56.679	1.101,635	6.960,687	6,319	5,850
16	30	98.358	37.286,022	586.935,857	15,741	15,273	66	80	53.343	975,823	5.859,051	6,004	5,536
17	31	98.288	35.067,800	549.649,836	15,674	15,206	67	81	49.774	856,964	4.883,228	5,698	5,230
18	32	98.203	32.976,475	514.582,036	15,605	15,136	68	82	45.993	745,281	4.026,264	5,402	4,934
19	33	98.094	31.002,114	481.605,560	15,535	15,066	69	83	42.003	640,600	3.280,983	5,122	4,653
20	34	97.976	29.143,310	450.603,446	15,462	14,993	70	84	37.989	545,300	2.640,383	4,842	4,374
21	35	97.855	27.395,295	421.460,137	15,384	14,916	71	85	33.940	458,520	2.095,082	4,569	4,101
22	36	97.728	25.750,400	394.064,842	15,303	14,835	72	86	30.017	381,670	1.636,562	4,288	3,820
23	37	97.599	24.203,704	368.314,441	15,217	14,749	73	87	26.041	311,633	1.254,892	4,027	3,558
24	38	97.467	22.749,113	344.110,737	15,126	14,658	74	88	22.080	248,693	943,259	3,793	3,325
25	39	97.328	21.380,428	321.361,624	15,031	14,562	75	89	18.362	194,648	694,566	3,568	3,100
26	40	97.179	20.091,945	299.981,195	14,930	14,462	76	90	14.917	148,829	499,918	3,359	2,891
27	41	97.025	18.880,103	279.889,250	14,825	14,356	77	91	11.856	111,332	351,089	3,154	2,685
28	42	96.860	17.739,248	261.009,147	14,714	14,245	78	92	9.107	80,486	239,758	2,979	2,511
29	43	96.680	16.664,728	243.269,899	14,598	14,130	79	93	6.797	56,539	159,271	2,817	2,349
30	44	96.487	15.653,074	226.605,171	14,477	14,008	80	94	4.923	38,544	102,732	2,665	2,197
31	45	96.282	14.701,049	210.952,097	14,349	13,881	81	95	3.449	25,416	64,188	2,526	2,057
32	46	96.053	13.803,428	196.251,048	14,218	13,749	82	96	2.334	16,187	38,772	2,395	1,927
33	47	95.802	12.957,505	182.447,620	14,080	13,612	83	97	1.517	9,900	22,585	2,281	1,813
34	48	95.532	12.160,907	169.490,115	13,937	13,469	84	98	949	5,831	12,685	2,176	1,707
35	49	95.239	11.410,387	157.329,208	13,788	13,320	85	99	571	3,301	6,854	2,077	1,608
36	50	94.910	10.702,130	145.918,821	13,635	13,166	86	100	331	1,799	3,553	1,976	1,507
37	51	94.563	10.035,802	135.216,691	13,473	13,005	87	101	182	0,931	1,755	1,885	1,417
38	52	94.187	9.407,848	125.180,889	13,306	12,838	88	102	95	0,456	0,824	1,806	1,337
39	53	93.773	8.815,512	115.773,041	13,133	12,665	89	103	47	0,212	0,368	1,734	1,266
40	54	93.332	8.258,007	106.957,529	12,952	12,484	90	104	22	0,093	0,156	1,669	1,200
41	55	92.848	7.731,870	98.699,521	12,765	12,297	91	105	10	0,039	0,062	1,606	1,138
42	56	92.320	7.235,725	90.967,651	12,572	12,104	92	106					
43	57	91.747	6.767,794	83.731,927	12,372	11,904	93	107					
44	58	91.111	6.325,562	76.964,133	12,167	11,699	94	108					
45	59	90.429	5.908,905	70.638,571	11,955	11,486	95	109					
46	60	89.693	5.516,024	64.729,666	11,735	11,266	96	110					
47	61	88.896	5.145,452	59.213,642	11,508	11,040	97	111					
48	62	88.065	4.797,478	54.068,190	11,270	10,802	98	112					
49	63	87.153	4.468,542	49.270,712	11,026	10,558	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -15 Jahre

Zinsfuß 6,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	15	99.441	99.440,794	1.627.706,751	16,369	15,900	50	65	85.542	4.127,923	43.665,220	10,578	10,110
1	16	98.969	93.147,698	1.528.265,957	16,407	15,939	51	66	84.423	3.834,278	39.537,297	10,312	9,843
2	17	98.908	87.614,446	1.435.118,259	16,380	15,912	52	67	83.225	3.557,522	35.703,020	10,036	9,568
3	18	98.867	82.425,914	1.347.503,813	16,348	15,880	53	68	81.896	3.294,784	32.145,497	9,756	9,288
4	19	98.820	77.540,872	1.265.077,899	16,315	15,847	54	69	80.450	3.046,237	28.850,713	9,471	9,003
5	20	98.780	72.949,630	1.187.537,027	16,279	15,811	55	70	78.884	2.811,249	25.804,476	9,179	8,711
6	21	98.735	68.627,390	1.114.587,397	16,241	15,773	56	71	77.181	2.588,750	22.993,227	8,882	8,414
7	22	98.699	64.567,155	1.045.960,008	16,200	15,731	57	72	75.335	2.378,199	20.404,477	8,580	8,111
8	23	98.660	60.745,133	981.392,853	16,156	15,688	58	73	73.337	2.178,932	18.026,278	8,273	7,805
9	24	98.623	57.150,177	920.647,720	16,109	15,641	59	74	71.158	1.989,835	15.847,346	7,964	7,496
10	25	98.587	53.768,756	863.497,543	16,059	15,591	60	75	68.807	1.810,921	13.857,512	7,652	7,184
11	26	98.553	50.588,682	809.728,786	16,006	15,538	61	76	66.269	1.641,514	12.046,591	7,339	6,870
12	27	98.512	47.592,671	759.140,104	15,951	15,482	62	77	63.578	1.482,211	10.405,077	7,020	6,552
13	28	98.470	44.774,200	711.547,434	15,892	15,424	63	78	60.681	1.331,459	8.922,866	6,702	6,233
14	29	98.428	42.122,453	666.773,234	15,829	15,361	64	79	57.587	1.189,256	7.591,407	6,383	5,915
15	30	98.381	39.625,745	624.650,781	15,764	15,295	65	80	54.294	1.055,294	6.402,151	6,067	5,598
16	31	98.326	37.273,814	585.025,036	15,695	15,227	66	81	50.745	928,287	5.346,857	5,760	5,292
17	32	98.253	35.055,273	547.751,222	15,625	15,157	67	82	46.999	809,194	4.418,570	5,460	4,992
18	33	98.168	32.964,750	512.695,949	15,553	15,084	68	83	43.020	697,117	3.609,376	5,178	4,709
19	34	98.055	30.989,726	479.731,199	15,480	15,012	69	84	38.993	594,696	2.912,259	4,897	4,429
20	35	97.930	29.129,647	448.741,473	15,405	14,937	70	85	34.936	501,479	2.317,563	4,621	4,153
21	36	97.805	27.381,270	419.611,826	15,325	14,856	71	86	30.993	418,710	1.816,084	4,337	3,869
22	37	97.673	25.735,839	392.230,556	15,241	14,772	72	87	26.991	343,192	1.397,374	4,072	3,603
23	38	97.540	24.188,862	366.494,717	15,151	14,683	73	88	22.971	274,898	1.054,182	3,835	3,366
24	39	97.399	22.733,200	342.305,855	15,058	14,589	74	89	19.176	215,983	779,284	3,608	3,140
25	40	97.251	21.363,319	319.572,655	14,959	14,491	75	90	15.640	165,796	563,301	3,398	2,929
26	41	97.095	20.074,466	298.209,336	14,855	14,387	76	91	12.479	124,501	397,504	3,193	2,724
27	42	96.930	18.861,440	278.134,870	14,746	14,278	77	92	9.634	90,468	273,003	3,018	2,549
28	43	96.751	17.719,298	259.273,430	14,632	14,164	78	93	7.237	63,955	182,535	2,854	2,386
29	44	96.555	16.643,097	241.554,133	14,514	14,045	79	94	5.275	43,875	118,580	2,703	2,234
30	45	96.352	15.631,284	224.911,036	14,389	13,920	80	95	3.726	29,172	74,705	2,561	2,092
31	46	96.129	14.677,733	209.279,752	14,258	13,790	81	96	2.543	18,737	45,533	2,430	1,962
32	47	95.881	13.778,638	194.602,018	14,123	13,655	82	97	1.674	11,609	26,795	2,308	1,840
33	48	95.616	12.932,308	180.823,381	13,982	13,514	83	98	1.057	6,898	15,187	2,202	1,733
34	49	95.330	12.135,126	167.891,073	13,835	13,367	84	99	642	3,942	8,289	2,103	1,634
35	50	95.009	11.382,925	155.755,947	13,683	13,215	85	100	374	2,162	4,347	2,010	1,542
36	51	94.670	10.675,090	144.373,022	13,524	13,056	86	101	210	1,140	2,185	1,916	1,448
37	52	94.301	10.007,930	133.697,932	13,359	12,891	87	102	111	0,570	1,044	1,831	1,363
38	53	93.902	9.379,406	123.690,002	13,187	12,719	88	103	56	0,270	0,474	1,757	1,288
39	54	93.477	8.787,677	114.310,596	13,008	12,540	89	104	27	0,121	0,204	1,690	1,221
40	55	93.008	8.229,284	105.522,919	12,823	12,355	90	105	12	0,051	0,083	1,628	1,160
41	56	92.496	7.702,590	97.293,635	12,631	12,163	91	106					
42	57	91.950	7.206,676	89.591,044	12,432	11,963	92	107					
43	58	91.337	6.737,589	82.384,369	12,228	11,759	93	108					
44	59	90.673	6.295,100	75.646,780	12,017	11,548	94	109					
45	60	89.970	5.878,865	69.351,680	11,797	11,328	95	110					
46	61	89.199	5.485,663	63.472,814	11,571	11,102	96	111					
47	62	88.396	5.116,497	57.987,152	11,333	10,865	97	112					
48	63	87.511	4.767,288	52.870,655	11,090	10,622	98						
49	64	86.560	4.438,147	48.103,367	10,839	10,370	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -16 Jahre

Zinsfuß 6,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	16	99.423	99.423,027	1.625.392,196	16,348	15,880	50	66	84.843	4.094,208	42.464,182	10,372	9,903
1	17	98.948	93.127,972	1.525.969,169	16,386	15,917	51	67	83.658	3.799,552	38.369,974	10,099	9,630
2	18	98.887	87.595,169	1.432.841,198	16,358	15,889	52	68	82.379	3.521,360	34.570,422	9,817	9,349
3	19	98.838	82.402,209	1.345.246,029	16,325	15,857	53	69	80.959	3.257,100	31.049,061	9,533	9,064
4	20	98.793	77.519,377	1.262.843,820	16,291	15,822	54	70	79.424	3.007,373	27.791,962	9,241	8,773
5	21	98.749	72.926,588	1.185.324,442	16,254	15,785	55	71	77.763	2.771,291	24.784,589	8,943	8,475
6	22	98.711	68.610,599	1.112.397,854	16,213	15,745	56	72	75.930	2.546,781	22.013,298	8,644	8,175
7	23	98.673	64.549,674	1.043.787,256	16,170	15,702	57	73	73.977	2.335,322	19.466,517	8,336	7,867
8	24	98.635	60.729,284	979.237,582	16,125	15,656	58	74	71.843	2.134,542	17.131,195	8,026	7,557
9	25	98.596	57.134,651	918.508,298	16,076	15,608	59	75	69.538	1.944,543	14.996,653	7,712	7,244
10	26	98.563	53.755,526	861.373,647	16,024	15,556	60	76	67.023	1.763,968	13.052,111	7,399	6,931
11	27	98.526	50.574,519	807.618,121	15,969	15,501	61	77	64.351	1.593,995	11.288,143	7,082	6,613
12	28	98.483	47.578,801	757.043,602	15,911	15,443	62	78	61.509	1.433,991	9.694,148	6,760	6,292
13	29	98.441	44.760,910	709.464,801	15,850	15,382	63	79	58.432	1.282,112	8.260,157	6,443	5,974
14	30	98.399	42.110,123	664.703,891	15,785	15,317	64	80	55.165	1.139,229	6.978,045	6,125	5,657
15	31	98.349	39.612,771	622.593,768	15,717	15,249	65	81	51.649	1.003,886	5.838,816	5,816	5,348
16	32	98.291	37.260,499	582.980,997	15,646	15,178	66	82	47.916	876,540	4.834,930	5,516	5,048
17	33	98.218	35.042,808	545.720,498	15,573	15,105	67	83	43.962	756,900	3.958,389	5,230	4,761
18	34	98.129	32.951,578	510.677,689	15,498	15,029	68	84	39.938	647,163	3.201,489	4,947	4,479
19	35	98.009	30.975,198	477.726,111	15,423	14,955	69	85	35.860	546,905	2.554,326	4,671	4,202
20	36	97.879	29.114,734	446.750,914	15,344	14,876	70	86	31.903	457,938	2.007,420	4,384	3,915
21	37	97.750	27.365,787	417.636,180	15,261	14,793	71	87	27.869	376,498	1.549,482	4,116	3,647
22	38	97.613	25.720,058	390.270,393	15,174	14,705	72	88	23.809	302,737	1.172,984	3,875	3,406
23	39	97.471	24.171,942	364.550,336	15,082	14,613	73	89	19.950	238,742	870,247	3,645	3,177
24	40	97.321	22.715,008	340.378,394	14,985	14,516	74	90	16.334	183,969	631,505	3,433	2,964
25	41	97.166	21.344,733	317.663,387	14,883	14,414	75	91	13.084	138,695	447,536	3,227	2,758
26	42	96.999	20.054,623	296.318,654	14,776	14,307	76	92	10.140	101,170	308,841	3,053	2,584
27	43	96.821	18.840,227	276.264,031	14,664	14,195	77	93	7.656	71,887	207,672	2,889	2,421
28	44	96.626	17.696,298	257.423,804	14,547	14,078	78	94	5.616	49,630	135,785	2,736	2,268
29	45	96.420	16.619,929	239.727,506	14,424	13,956	79	95	3.992	33,207	86,155	2,594	2,126
30	46	96.200	15.606,493	223.107,577	14,296	13,827	80	96	2.747	21,507	52,948	2,462	1,994
31	47	95.957	14.651,372	207.501,084	14,163	13,694	81	97	1.824	13,438	31,441	2,340	1,871
32	48	95.694	13.751,843	192.849,712	14,024	13,555	82	98	1.166	8,088	18,004	2,226	1,758
33	49	95.413	12.904,892	179.097,869	13,878	13,410	83	99	714	4,663	9,915	2,126	1,658
34	50	95.100	12.105,920	166.192,977	13,728	13,260	84	100	420	2,582	5,252	2,034	1,566
35	51	94.769	11.354,165	154.087,056	13,571	13,103	85	101	237	1,371	2,670	1,948	1,479
36	52	94.407	10.645,442	142.732,892	13,408	12,940	86	102	128	0,699	1,299	1,859	1,391
37	53	94.016	9.977,674	132.087,449	13,238	12,770	87	103	66	0,337	0,600	1,780	1,311
38	54	93.606	9.349,791	122.109,775	13,060	12,592	88	104	32	0,154	0,263	1,710	1,242
39	55	93.151	8.757,111	112.759,985	12,876	12,408	89	105	15	0,066	0,109	1,647	1,179
40	56	92.656	8.198,121	104.002,873	12,686	12,218	90	106					
41	57	92.125	7.671,667	95.804,753	12,488	12,020	91	107					
42	58	91.539	7.174,512	88.133,086	12,284	11,816	92	108					
43	59	90.898	6.705,143	80.958,575	12,074	11,606	93	109					
44	60	90.212	6.263,097	74.253,432	11,856	11,387	94	110					
45	61	89.474	5.846,507	67.990,334	11,629	11,161	95	111					
46	62	88.697	5.454,793	62.143,828	11,393	10,924	96	112					
47	63	87.840	5.084,299	56.689,035	11,150	10,681	97						
48	64	86.915	4.734,861	51.604,736	10,899	10,431	98						
49	65	85.927	4.405,692	46.869,874	10,638	10,170	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -17 Jahre

Zinsfuß 6,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	17	99.402	99.401,972	1.622.925,016	16,327	15,859	50	67	84.075	4.057,129	41.198,740	10,155	9,686
1	18	98.927	93.107,482	1.523.523,045	16,363	15,895	51	68	82.808	3.760,930	37.141,611	9,876	9,407
2	19	98.858	87.569,977	1.430.415,563	16,335	15,866	52	69	81.437	3.481,084	33.380,681	9,589	9,121
3	20	98.811	82.379,366	1.342.845,586	16,301	15,832	53	70	79.926	3.215,545	29.899,597	9,298	8,830
4	21	98.762	77.494,892	1.260.466,219	16,265	15,797	54	71	78.295	2.964,627	26.684,052	9,001	8,532
5	22	98.724	72.908,745	1.182.971,327	16,225	15,757	55	72	76.502	2.726,363	23.719,425	8,700	8,232
6	23	98.684	68.592,023	1.110.062,582	16,184	15,715	56	73	74.561	2.500,865	20.993,062	8,394	7,926
7	24	98.647	64.532,833	1.041.470,559	16,139	15,670	57	74	72.470	2.287,746	18.492,198	8,083	7,615
8	25	98.608	60.712,785	976.937,726	16,091	15,623	58	75	70.208	2.085,956	16.204,452	7,768	7,300
9	26	98.572	57.120,592	916.224,941	16,040	15,572	59	76	67.735	1.894,125	14.118,496	7,454	6,985
10	27	98.535	53.740,476	859.104,350	15,986	15,518	60	77	65.083	1.712,904	12.224,371	7,137	6,668
11	28	98.497	50.559,780	805.363,873	15,929	15,461	61	78	62.257	1.542,138	10.511,467	6,816	6,348
12	29	98.454	47.564,678	754.804,093	15,869	15,401	62	79	59.230	1.380,844	8.969,328	6,496	6,027
13	30	98.412	44.747,808	707.239,415	15,805	15,337	63	80	55.974	1.228,179	7.588,484	6,179	5,710
14	31	98.367	42.096,336	662.491,607	15,738	15,269	64	81	52.478	1.083,732	6.360,305	5,869	5,401
15	32	98.314	39.598,621	620.395,271	15,667	15,199	65	82	48.770	947,925	5.276,573	5,566	5,098
16	33	98.256	37.247,250	580.796,650	15,593	15,125	66	83	44.820	819,895	4.328,648	5,280	4,811
17	34	98.179	35.028,806	543.549,399	15,517	15,049	67	84	40.812	702,662	3.508,753	4,994	4,525
18	35	98.083	32.936,130	508.520,593	15,440	14,971	68	85	36.728	595,156	2.806,091	4,715	4,247
19	36	97.958	30.959,340	475.584,464	15,362	14,893	69	86	32.746	499,421	2.210,934	4,427	3,959
20	37	97.824	29.098,271	444.625,124	15,280	14,812	70	87	28.687	411,772	1.711,514	4,156	3,688
21	38	97.690	27.349,005	415.526,854	15,193	14,725	71	88	24.584	332,117	1.299,742	3,914	3,445
22	39	97.545	25.702,066	388.177,848	15,103	14,635	72	89	20.678	262,919	967,625	3,680	3,212
23	40	97.393	24.152,598	362.475,782	15,008	14,539	73	90	16.993	203,354	704,706	3,465	2,997
24	41	97.237	22.695,246	338.323,184	14,907	14,439	74	91	13.664	153,897	501,352	3,258	2,789
25	42	97.070	21.323,634	315.627,938	14,802	14,333	75	92	10.632	112,704	347,455	3,083	2,615
26	43	96.890	20.032,068	294.304,304	14,692	14,223	76	93	8.058	80,390	234,751	2,920	2,452
27	44	96.695	18.815,772	274.272,237	14,577	14,108	77	94	5.941	55,785	154,361	2,767	2,299
28	45	96.491	17.671,664	255.456,465	14,456	13,987	78	95	4.250	37,563	98,576	2,624	2,156
29	46	96.267	16.593,570	237.784,800	14,330	13,862	79	96	2.943	24,481	61,013	2,492	2,024
30	47	96.027	15.578,464	221.191,231	14,199	13,730	80	97	1.970	15,424	36,532	2,369	1,900
31	48	95.770	14.622,881	205.612,766	14,061	13,593	81	98	1.271	9,363	21,108	2,255	1,786
32	49	95.492	13.722,690	190.989,886	13,918	13,449	82	99	788	5,468	11,746	2,148	1,680
33	50	95.184	12.873,833	177.267,196	13,770	13,301	83	100	468	3,055	6,278	2,055	1,587
34	51	94.860	12.075,333	164.393,362	13,614	13,146	84	101	266	1,637	3,223	1,969	1,501
35	52	94.506	11.322,632	152.318,029	13,453	12,984	85	102	145	0,840	1,586	1,888	1,420
36	53	94.122	10.613,259	140.995,398	13,285	12,816	86	103	76	0,413	0,746	1,806	1,337
37	54	93.719	9.946,169	130.382,139	13,109	12,640	87	104	38	0,192	0,333	1,731	1,263
38	55	93.280	9.317,270	120.435,970	12,926	12,458	88	105	18	0,084	0,141	1,666	1,197
39	56	92.799	8.723,949	111.118,700	12,737	12,269	89						
40	57	92.284	8.165,208	102.394,751	12,540	12,072	90						
41	58	91.714	7.637,427	94.229,543	12,338	11,870	91						
42	59	91.099	7.139,962	86.592,116	12,128	11,659	92						
43	60	90.435	6.671,055	79.452,154	11,910	11,442	93						
44	61	89.715	6.228,624	72.781,098	11,685	11,217	94						
45	62	88.971	5.813,606	66.552,475	11,448	10,979	95						
46	63	88.139	5.420,466	60.738,868	11,205	10,737	96						
47	64	87.242	5.049,717	55.318,402	10,955	10,486	97						
48	65	86.280	4.700,236	50.268,685	10,695	10,227	98						
49	66	85.226	4.369,709	45.568,449	10,428	9,960	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -18 Jahre

Zinsfuß 6,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	18	99.380	99.380,101	1.620.299,277	16,304	15,836	50	68	83.220	4.015,888	39.868,693	9,928	9,459
1	19	98.898	93.080,705	1.520.919,176	16,340	15,871	51	69	81.861	3.717,914	35.852,805	9,643	9,175
2	20	98.831	87.545,702	1.427.838,471	16,310	15,841	52	70	80.398	3.436,672	32.134,891	9,351	8,882
3	21	98.780	82.353,346	1.340.292,769	16,275	15,807	53	71	78.790	3.169,841	28.698,218	9,054	8,585
4	22	98.738	77.475,932	1.257.939,422	16,237	15,768	54	72	77.025	2.916,564	25.528,378	8,753	8,285
5	23	98.698	72.889,006	1.180.463,491	16,195	15,727	55	73	75.123	2.677,209	22.611,814	8,446	7,978
6	24	98.658	68.574,127	1.107.574,485	16,151	15,683	56	74	73.042	2.449,916	19.934,605	8,137	7,668
7	25	98.620	64.515,300	1.039.000,358	16,105	15,636	57	75	70.820	2.235,673	17.484,689	7,821	7,352
8	26	98.584	60.697,846	974.485,058	16,055	15,586	58	76	68.387	2.031,872	15.249,016	7,505	7,037
9	27	98.544	57.104,600	913.787,212	16,002	15,534	59	77	65.775	1.839,294	13.217,144	7,186	6,718
10	28	98.506	53.724,815	856.682,612	15,946	15,477	60	78	62.966	1.657,179	11.377,851	6,866	6,397
11	29	98.468	50.544,773	802.957,797	15,886	15,418	61	79	59.950	1.484,983	9.720,672	6,546	6,078
12	30	98.425	47.550,756	752.413,024	15,823	15,355	62	80	56.738	1.322,757	8.235,688	6,226	5,758
13	31	98.380	44.733,157	704.862,268	15,757	15,289	63	81	53.247	1.168,349	6.912,931	5,917	5,448
14	32	98.332	42.081,299	660.129,111	15,687	15,219	64	82	49.552	1.023,321	5.744,582	5,614	5,145
15	33	98.279	39.584,541	618.047,813	15,613	15,145	65	83	45.619	886,667	4.721,261	5,325	4,856
16	34	98.216	37.232,367	578.463,272	15,537	15,068	66	84	41.608	761,143	3.834,595	5,038	4,570
17	35	98.133	35.012,384	541.230,905	15,458	14,990	67	85	37.532	646,195	3.073,452	4,756	4,288
18	36	98.033	32.919,268	506.218,521	15,378	14,909	68	86	33.539	543,482	2.427,257	4,466	3,998
19	37	97.903	30.941,833	473.299,253	15,296	14,828	69	87	29.445	449,072	1.883,775	4,195	3,726
20	38	97.764	29.080,427	442.357,420	15,212	14,743	70	88	25.305	363,233	1.434,703	3,950	3,481
21	39	97.621	27.329,874	413.276,993	15,122	14,653	71	89	21.350	288,435	1.071,470	3,715	3,246
22	40	97.467	25.681,498	385.947,118	15,028	14,560	72	90	17.613	223,948	783,035	3,497	3,028
23	41	97.309	24.131,585	360.265,620	14,929	14,461	73	91	14.215	170,114	559,087	3,287	2,818
24	42	97.140	22.672,812	336.134,035	14,825	14,357	74	92	11.103	125,057	388,974	3,110	2,642
25	43	96.961	21.299,652	313.461,223	14,717	14,248	75	93	8.448	89,555	263,917	2,947	2,479
26	44	96.764	20.006,066	292.161,571	14,604	14,135	76	94	6.253	62,384	174,361	2,795	2,327
27	45	96.560	18.789,580	272.155,506	14,484	14,016	77	95	4.496	42,221	111,978	2,652	2,184
28	46	96.338	17.643,637	253.365,925	14,360	13,892	78	96	3.133	27,692	69,756	2,519	2,051
29	47	96.094	16.563,768	235.722,289	14,231	13,763	79	97	2.111	17,557	42,064	2,396	1,928
30	48	95.840	15.548,170	219.158,520	14,095	13,627	80	98	1.373	10,746	24,507	2,281	1,812
31	49	95.567	14.591,881	203.610,351	13,954	13,485	81	99	859	6,329	13,761	2,174	1,706
32	50	95.262	13.689,663	189.018,470	13,807	13,339	82	100	517	3,582	7,432	2,075	1,606
33	51	94.943	12.841,306	175.328,807	13,654	13,185	83	101	297	1,937	3,850	1,988	1,520
34	52	94.597	12.041,797	162.487,500	13,494	13,025	84	102	163	1,003	1,913	1,907	1,439
35	53	94.220	11.288,401	150.445,703	13,327	12,859	85	103	86	0,497	0,910	1,832	1,364
36	54	93.825	10.579,747	139.157,302	13,153	12,685	86	104	43	0,236	0,413	1,755	1,287
37	55	93.393	9.911,574	128.577,555	12,972	12,504	87	105	21	0,106	0,178	1,685	1,217
38	56	92.927	9.281,987	118.665,982	12,785	12,316	88	106					
39	57	92.426	8.688,925	109.383,995	12,589	12,121	89	107					
40	58	91.872	8.128,766	100.695,070	12,387	11,919	90	108					
41	59	91.272	7.600,648	92.566,304	12,179	11,710	91	109					
42	60	90.635	7.103,664	84.965,656	11,961	11,492	92	110					
43	61	89.938	6.634,336	77.861,992	11,736	11,268	93	111					
44	62	89.210	6.193,573	71.227,656	11,500	11,032	94	112					
45	63	88.411	5.777,022	65.034,083	11,257	10,789	95						
46	64	87.539	5.383,597	59.257,061	11,007	10,539	96						
47	65	86.604	5.012,789	53.873,464	10,747	10,279	97						
48	66	85.575	4.661,848	48.860,675	10,481	10,013	98						
49	67	84.454	4.330,134	44.198,827	10,207	9,739	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -19 Jahre

Zinsfuß 6,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	19	99.352	99.351,520	1.617.506,072	16,281	15,812	50	69	82.268	3.969,956	38.474,740	9,691	9,223
1	20	98.871	93.054,902	1.518.154,551	16,315	15,846	51	70	80.816	3.670,480	34.504,784	9,401	8,932
2	21	98.800	87.518,051	1.425.099,649	16,283	15,815	52	71	79.255	3.387,825	30.834,304	9,102	8,633
3	22	98.756	82.333,197	1.337.581,599	16,246	15,778	53	72	77.513	3.118,450	27.446,479	8,801	8,333
4	23	98.711	77.454,956	1.255.248,402	16,206	15,738	54	73	75.637	2.863,981	24.328,029	8,494	8,026
5	24	98.672	72.869,989	1.177.793,446	16,163	15,695	55	74	73.593	2.622,668	21.464,048	8,184	7,716
6	25	98.632	68.555,497	1.104.923,458	16,117	15,649	56	75	71.379	2.394,152	18.841,380	7,870	7,401
7	26	98.596	64.499,425	1.036.367,961	16,068	15,600	57	76	68.984	2.177,707	16.447,229	7,553	7,084
8	27	98.556	60.680,853	971.868,535	16,016	15,548	58	77	66.408	1.973,053	14.269,521	7,232	6,764
9	28	98.516	57.087,958	911.187,683	15,961	15,493	59	78	63.635	1.779,457	12.296,468	6,910	6,442
10	29	98.477	53.708,868	854.099,724	15,902	15,434	60	79	60.632	1.595,760	10.517,012	6,591	6,122
11	30	98.439	50.529,978	800.390,856	15,840	15,372	61	80	57.428	1.422,516	8.921,251	6,271	5,803
12	31	98.393	47.535,187	749.860,878	15,775	15,307	62	81	53.974	1.258,320	7.498,735	5,959	5,491
13	32	98.345	44.717,178	702.325,691	15,706	15,238	63	82	50.279	1.103,221	6.240,415	5,657	5,188
14	33	98.297	42.066,335	657.608,514	15,633	15,164	64	83	46.350	957,189	5.137,195	5,367	4,899
15	34	98.239	39.568,724	615.542,178	15,556	15,088	65	84	42.350	823,130	4.180,005	5,078	4,610
16	35	98.170	37.214,912	575.973,454	15,477	15,009	66	85	38.264	699,976	3.356,876	4,796	4,327
17	36	98.082	34.994,459	538.758,543	15,396	14,927	67	86	34.273	590,090	2.656,899	4,503	4,034
18	37	97.977	32.900,653	503.764,083	15,312	14,843	68	87	30.158	488,691	2.066,810	4,229	3,761
19	38	97.843	30.922,859	470.863,430	15,227	14,759	69	88	25.974	396,136	1.578,118	3,984	3,515
20	39	97.696	29.060,085	439.940,571	15,139	14,671	70	89	21.977	315,458	1.181,982	3,747	3,279
21	40	97.543	27.308,003	410.880,486	15,046	14,578	71	90	18.186	245,681	866,524	3,527	3,059
22	41	97.382	25.659,155	383.572,483	14,949	14,480	72	91	14.734	187,341	620,843	3,314	2,846
23	42	97.212	24.107,732	357.913,327	14,846	14,378	73	92	11.551	138,234	433,502	3,136	2,668
24	43	97.031	22.647,312	333.805,596	14,739	14,271	74	93	8.823	99,371	295,267	2,971	2,503
25	44	96.835	21.272,004	311.158,283	14,628	14,159	75	94	6.556	69,496	195,896	2,819	2,350
26	45	96.629	19.978,217	289.886,279	14,510	14,042	76	95	4.732	47,216	126,400	2,677	2,209
27	46	96.407	18.759,780	269.908,062	14,388	13,919	77	96	3.315	31,127	79,184	2,544	2,076
28	47	96.165	17.611,949	251.148,282	14,260	13,792	78	97	2.247	19,860	48,058	2,420	1,952
29	48	95.908	16.531,557	233.536,333	14,127	13,658	79	98	1.471	12,233	28,198	2,305	1,837
30	49	95.637	15.515,208	217.004,775	13,987	13,518	80	99	928	7,265	15,965	2,198	1,729
31	50	95.337	14.556,762	201.489,567	13,842	13,373	81	100	563	4,146	8,700	2,098	1,630
32	51	95.021	13.655,075	186.932,804	13,690	13,221	82	101	327	2,271	4,554	2,006	1,537
33	52	94.680	12.805,643	173.277,730	13,531	13,063	83	102	182	1,187	2,284	1,925	1,456
34	53	94.311	12.005,392	160.472,087	13,367	12,898	84	103	97	0,593	1,097	1,849	1,381
35	54	93.923	11.252,757	148.466,695	13,194	12,725	85	104	49	0,283	0,504	1,779	1,311
36	55	93.498	10.542,948	137.213,938	13,015	12,546	86	105	24	0,129	0,221	1,707	1,238
37	56	93.039	9.874,040	126.670,989	12,829	12,360	87	106					
38	57	92.554	9.244,722	116.796,949	12,634	12,166	88	107					
39	58	92.014	8.650,146	107.552,227	12,434	11,965	89	108					
40	59	91.429	8.089,621	98.902,081	12,226	11,757	90	109					
41	60	90.808	7.562,008	90.812,461	12,009	11,541	91	110					
42	61	90.137	7.064,563	83.250,453	11,784	11,316	92	111					
43	62	89.432	6.597,002	76.185,889	11,549	11,080	93	112					
44	63	88.649	6.154,598	69.588,887	11,307	10,838	94						
45	64	87.810	5.737,727	63.434,289	11,056	10,587	95						
46	65	86.899	5.344,228	57.696,562	10,796	10,328	96						
47	66	85.897	4.971,848	52.352,334	10,530	10,061	97						
48	67	84.800	4.619,627	47.380,486	10,256	9,788	98						
49	68	83.595	4.286,119	42.760,859	9,977	9,508	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -20 Jahre

Zinsfuß 6,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	20	99.324	99.323,980	1.614.542,281	16,255	15,787	50	70	81.219	3.919,307	37.018,254	9,445	8,977
1	21	98.840	93.025,510	1.515.218,302	16,288	15,820	51	71	79.668	3.618,310	33.098,948	9,148	8,679
2	22	98.776	87.496,637	1.422.192,792	16,254	15,786	52	72	77.970	3.332,901	29.480,638	8,845	8,377
3	23	98.729	82.310,906	1.334.696,154	16,215	15,747	53	73	76.115	3.062,228	26.147,738	8,539	8,070
4	24	98.685	77.434,747	1.252.385,248	16,173	15,705	54	74	74.096	2.805,635	23.085,510	8,228	7,760
5	25	98.645	72.850,191	1.174.950,501	16,128	15,660	55	75	71.918	2.562,971	20.279,875	7,913	7,444
6	26	98.607	68.538,628	1.102.100,310	16,080	15,612	56	76	69.529	2.332,077	17.716,904	7,597	7,129
7	27	98.568	64.481,368	1.033.561,682	16,029	15,560	57	77	66.987	2.114,666	15.384,827	7,275	6,807
8	28	98.527	60.663,168	969.080,314	15,975	15,506	58	78	64.247	1.908,864	13.270,160	6,952	6,484
9	29	98.486	57.071,013	908.417,145	15,917	15,449	59	79	61.276	1.713,506	11.361,296	6,630	6,162
10	30	98.448	53.693,147	851.346,132	15,856	15,387	60	80	58.082	1.528,633	9.647,790	6,311	5,843
11	31	98.407	50.513,434	797.652,985	15,791	15,323	61	81	54.630	1.353,219	8.119,157	6,000	5,532
12	32	98.357	47.518,207	747.139,551	15,723	15,255	62	82	50.965	1.188,176	6.765,938	5,694	5,226
13	33	98.310	44.701,277	699.621,345	15,651	15,183	63	83	47.030	1.031,926	5.577,761	5,405	4,937
14	34	98.258	42.049,527	654.920,067	15,575	15,107	64	84	43.029	888,599	4.545,836	5,116	4,647
15	35	98.193	39.550,173	612.870,540	15,496	15,028	65	85	38.946	756,982	3.657,236	4,831	4,363
16	36	98.120	37.195,859	573.320,367	15,414	14,945	66	86	34.942	639,201	2.900,255	4,537	4,069
17	37	98.027	34.974,671	536.124,508	15,329	14,861	67	87	30.818	530,600	2.261,053	4,261	3,793
18	38	97.917	32.880,478	501.149,837	15,242	14,773	68	88	26.603	431,086	1.730,453	4,014	3,546
19	39	97.774	30.901,228	468.269,359	15,154	14,685	69	89	22.558	344,034	1.299,368	3,777	3,309
20	40	97.618	29.036,829	437.368,130	15,063	14,594	70	90	18.719	268,699	955,334	3,555	3,087
21	41	97.458	27.284,246	408.331,301	14,966	14,497	71	91	15.213	205,522	686,635	3,341	2,873
22	42	97.286	25.633,792	381.047,055	14,865	14,397	72	92	11.973	152,233	481,113	3,160	2,692
23	43	97.103	24.080,618	355.413,264	14,759	14,291	73	93	9.179	109,842	328,880	2,994	2,526
24	44	96.905	22.617,916	331.332,645	14,649	14,181	74	94	6.847	77,113	219,037	2,840	2,372
25	45	96.700	21.242,394	308.714,729	14,533	14,065	75	95	4.962	52,599	141,924	2,698	2,230
26	46	96.476	19.946,531	287.472,336	14,412	13,944	76	96	3.489	34,808	89,326	2,566	2,098
27	47	96.234	18.726,088	267.525,804	14,286	13,818	77	97	2.377	22,323	54,517	2,442	1,974
28	48	95.978	17.577,700	248.799,717	14,154	13,686	78	98	1.566	13,837	32,194	2,327	1,858
29	49	95.704	16.496,512	231.222,017	14,016	13,548	79	99	994	8,270	18,357	2,220	1,751
30	50	95.407	15.477,868	214.725,505	13,873	13,405	80	100	608	4,759	10,087	2,120	1,651
31	51	95.096	14.519,983	199.247,637	13,722	13,254	81	101	357	2,628	5,328	2,027	1,559
32	52	94.757	13.617,151	184.727,654	13,566	13,097	82	102	201	1,391	2,700	1,941	1,472
33	53	94.393	12.766,929	171.110,503	13,403	12,934	83	103	108	0,702	1,309	1,865	1,396
34	54	94.013	11.967,485	158.343,575	13,231	12,763	84	104	55	0,338	0,607	1,795	1,326
35	55	93.596	11.213,618	146.376,090	13,053	12,585	85	105	27	0,155	0,269	1,729	1,260
36	56	93.144	10.503,024	135.162,472	12,869	12,401	86	106					
37	57	92.666	9.834,398	124.659,449	12,676	12,208	87	107					
38	58	92.141	9.203,462	114.825,050	12,476	12,008	88	108					
39	59	91.570	8.608,490	105.621,588	12,269	11,801	89	109					
40	60	90.965	8.048,495	97.013,098	12,054	11,585	90	110					
41	61	90.308	7.520,385	88.964,604	11,830	11,361	91	111					
42	62	89.629	7.024,809	81.444,219	11,594	11,125	92	112					
43	63	88.869	6.555,488	74.419,410	11,352	10,884	93						
44	64	88.046	6.112,735	67.863,922	11,102	10,634	94						
45	65	87.167	5.695,769	61.751,187	10,842	10,373	95						
46	66	86.190	5.300,580	56.055,419	10,575	10,107	96						
47	67	85.119	4.926,820	50.754,839	10,302	9,833	97						
48	68	83.938	4.572,669	45.828,019	10,022	9,554	98						
49	69	82.639	4.237,096	41.255,350	9,737	9,268	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -21 Jahre

Zinsfuß 6,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	21	99.293	99.292,607	1.611.396,378	16,229	15,760	50	71	80.064	3.863,599	35.500,780	9,189	8,720
1	22	98.815	93.002,750	1.512.103,771	16,259	15,790	51	72	78.376	3.559,649	31.637,181	8,888	8,419
2	23	98.749	87.472,949	1.419.101,021	16,223	15,755	52	73	76.564	3.272,811	28.077,532	8,579	8,111
3	24	98.703	82.289,430	1.331.628,073	16,182	15,714	53	74	74.565	2.999,843	24.804,721	8,269	7,800
4	25	98.658	77.413,710	1.249.338,642	16,138	15,670	54	75	72.409	2.741,774	21.804,878	7,953	7,484
5	26	98.621	72.832,265	1.171.924,932	16,091	15,622	55	76	70.053	2.496,520	19.063,104	7,636	7,168
6	27	98.580	68.519,440	1.099.092,667	16,041	15,572	56	77	67.516	2.264,568	16.566,585	7,316	6,847
7	28	98.539	64.462,576	1.030.573,227	15,987	15,519	57	78	64.808	2.045,871	14.302,017	6,991	6,522
8	29	98.498	60.645,162	966.110,651	15,931	15,462	58	79	61.866	1.838,118	12.256,146	6,668	6,199
9	30	98.458	57.054,308	905.465,489	15,870	15,402	59	80	58.699	1.641,426	10.418,028	6,347	5,879
10	31	98.416	53.675,567	848.411,181	15,806	15,338	60	81	55.252	1.454,167	8.776,603	6,035	5,567
11	32	98.372	50.495,390	794.735,613	15,739	15,270	61	82	51.585	1.277,785	7.322,436	5,731	5,262
12	33	98.322	47.501,310	744.240,224	15,668	15,199	62	83	47.672	1.111,392	6.044,651	5,439	4,970
13	34	98.270	44.683,416	696.738,913	15,593	15,124	63	84	43.660	957,980	4.933,259	5,150	4,681
14	35	98.212	42.029,813	652.055,497	15,514	15,046	64	85	39.571	817,190	3.975,279	4,865	4,396
15	36	98.143	39.529,925	610.025,684	15,432	14,964	65	86	35.565	691,257	3.158,089	4,569	4,100
16	37	98.065	37.174,827	570.495,759	15,346	14,878	66	87	31.419	574,760	2.466,832	4,292	3,824
17	38	97.967	34.953,224	533.320,932	15,258	14,790	67	88	27.185	468,054	1.892,071	4,042	3,574
18	39	97.849	32.857,478	498.367,708	15,168	14,699	68	89	23.104	374,386	1.424,017	3,804	3,335
19	40	97.696	30.876,499	465.510,231	15,077	14,608	69	90	19.214	293,039	1.049,631	3,582	3,114
20	41	97.533	29.011,568	434.633,731	14,981	14,513	70	91	15.660	224,777	756,592	3,366	2,898
21	42	97.362	27.257,276	405.622,164	14,881	14,413	71	92	12.362	167,007	531,815	3,184	2,716
22	43	97.176	25.604,962	378.364,888	14,777	14,309	72	93	9.514	120,966	364,808	3,016	2,547
23	44	96.977	24.049,361	352.759,926	14,668	14,200	73	94	7.123	85,239	243,841	2,861	2,392
24	45	96.770	22.586,431	328.710,565	14,553	14,085	74	95	5.182	58,364	158,603	2,717	2,249
25	46	96.547	21.208,703	306.124,133	14,434	13,966	75	96	3.658	38,777	100,239	2,585	2,117
26	47	96.303	19.910,708	284.915,430	14,310	13,841	76	97	2.502	24,963	61,462	2,462	1,994
27	48	96.047	18.689,672	265.004,722	14,179	13,711	77	98	1.656	15,553	36,499	2,347	1,878
28	49	95.775	17.540,437	246.315,050	14,043	13,574	78	99	1.058	9,354	20,945	2,239	1,771
29	50	95.474	16.456,809	228.774,614	13,902	13,433	79	100	651	5,417	11,591	2,140	1,671
30	51	95.166	15.438,761	212.317,805	13,752	13,284	80	101	385	3,017	6,174	2,046	1,578
31	52	94.832	14.479,657	196.879,044	13,597	13,129	81	102	219	1,610	3,157	1,960	1,492
32	53	94.471	13.575,984	182.399,386	13,435	12,967	82	103	119	0,823	1,546	1,879	1,411
33	54	94.095	12.726,616	168.823,403	13,265	12,797	83	104	61	0,400	0,723	1,808	1,340
34	55	93.686	11.925,859	156.096,786	13,089	12,621	84	105	30	0,186	0,323	1,742	1,274
35	56	93.242	11.171,153	144.170,927	12,906	12,437	85	106					
36	57	92.770	10.460,857	132.999,774	12,714	12,246	86	107					
37	58	92.252	9.790,507	122.538,917	12,516	12,048	87	108					
38	59	91.697	9.159,141	112.748,411	12,310	11,842	88	109					
39	60	91.105	8.564,726	103.589,269	12,095	11,627	89	110					
40	61	90.464	8.004,194	95.024,543	11,872	11,403	90	111					
41	62	89.800	7.478,065	87.020,349	11,637	11,168	91	112					
42	63	89.065	6.980,602	79.542,284	11,395	10,926	92						
43	64	88.264	6.510,899	72.561,682	11,145	10,676	93						
44	65	87.402	6.068,034	66.050,783	10,885	10,417	94						
45	66	86.456	5.649,249	59.982,749	10,618	10,149	95						
46	67	85.409	5.252,575	54.333,500	10,344	9,876	96						
47	68	84.254	4.876,739	49.080,926	10,064	9,596	97						
48	69	82.978	4.520,369	44.204,187	9,779	9,311	98						
49	70	81.585	4.183,038	39.683,818	9,487	9,018	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -22 Jahre

Zinsfuß 6,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	22	99.268	99.268,313	1.608.061,371	16,199	15,731	50	72	78.766	3.800,962	33.924,375	8,925	8,457
1	23	98.789	92.977,570	1.508.793,058	16,227	15,759	51	73	76.963	3.495,471	30.123,414	8,618	8,149
2	24	98.723	87.450,126	1.415.815,488	16,190	15,722	52	74	75.004	3.206,136	26.627,942	8,305	7,837
3	25	98.676	82.267,074	1.328.365,362	16,147	15,679	53	75	72.867	2.931,561	23.421,806	7,990	7,521
4	26	98.634	77.394,661	1.246.098,288	16,101	15,632	54	76	70.532	2.670,686	20.490,245	7,672	7,204
5	27	98.593	72.811,875	1.168.703,627	16,051	15,583	55	77	68.025	2.424,250	17.819,558	7,351	6,882
6	28	98.551	68.499,471	1.095.891,751	15,999	15,530	56	78	65.319	2.190,896	15.395,309	7,027	6,559
7	29	98.510	64.443,442	1.027.392,280	15,943	15,474	57	79	62.406	1.970,047	13.204,413	6,703	6,234
8	30	98.469	60.627,411	962.948,838	15,883	15,415	58	80	59.264	1.760,795	11.234,367	6,380	5,912
9	31	98.425	57.035,627	902.321,427	15,820	15,352	59	81	55.839	1.561,465	9.473,571	6,067	5,599
10	32	98.381	53.656,394	845.285,800	15,754	15,285	60	82	52.172	1.373,106	7.912,107	5,762	5,294
11	33	98.337	50.477,435	791.629,406	15,683	15,214	61	83	48.251	1.195,209	6.539,001	5,471	5,003
12	34	98.283	47.482,330	741.151,971	15,609	15,141	62	84	44.256	1.031,752	5.343,792	5,179	4,711
13	35	98.224	44.662,467	693.669,641	15,531	15,063	63	85	40.151	880,996	4.312,040	4,895	4,426
14	36	98.161	42.008,296	649.007,174	15,450	14,981	64	86	36.135	746,238	3.431,045	4,598	4,129
15	37	98.088	39.507,573	606.998,878	15,364	14,896	65	87	31.979	621,569	2.684,807	4,319	3,851
16	38	98.004	37.152,030	567.491,305	15,275	14,806	66	88	27.716	507,009	2.063,238	4,069	3,601
17	39	97.898	34.928,774	530.339,275	15,183	14,715	67	89	23.610	406,492	1.556,229	3,828	3,360
18	40	97.770	32.831,183	495.410,501	15,090	14,621	68	90	19.679	318,893	1.149,737	3,605	3,137
19	41	97.611	30.849,637	462.579,318	14,995	14,526	69	91	16.073	245,139	830,844	3,389	2,921
20	42	97.436	28.982,890	431.729,681	14,896	14,428	70	92	12.725	182,654	585,706	3,207	2,738
21	43	97.253	27.226,620	402.746,791	14,792	14,324	71	93	9.823	132,705	403,052	3,037	2,569
22	44	97.050	25.571,726	375.520,170	14,685	14,217	72	94	7.383	93,871	270,346	2,880	2,412
23	45	96.842	24.015,884	349.948,444	14,572	14,103	73	95	5.391	64,514	176,475	2,735	2,267
24	46	96.617	22.550,609	325.932,560	14,453	13,985	74	96	3.820	43,027	111,962	2,602	2,134
25	47	96.373	21.170,613	303.381,950	14,330	13,862	75	97	2.623	27,809	68,934	2,479	2,010
26	48	96.116	19.871,989	282.211,338	14,201	13,733	76	98	1.743	17,393	41,125	2,364	1,896
27	49	95.843	18.650,051	262.339,349	14,066	13,598	77	99	1.120	10,515	23,732	2,257	1,789
28	50	95.544	17.498,222	243.689,298	13,927	13,458	78	100	693	6,128	13,217	2,157	1,689
29	51	95.233	16.415,229	226.191,077	13,779	13,311	79	101	413	3,434	7,090	2,064	1,596
30	52	94.901	15.395,884	209.775,848	13,625	13,157	80	102	236	1,849	3,655	1,977	1,509
31	53	94.545	14.435,882	194.379,964	13,465	12,997	81	103	129	0,952	1,807	1,897	1,429
32	54	94.172	13.533,117	179.944,082	13,297	12,828	82	104	68	0,469	0,854	1,821	1,353
33	55	93.768	12.682,350	166.410,965	13,121	12,653	83	105	34	0,220	0,385	1,755	1,286
34	56	93.331	11.880,697	153.728,614	12,939	12,471	84	106					
35	57	92.868	11.126,304	141.847,917	12,749	12,281	85	107					
36	58	92.356	10.414,169	130.721,613	12,552	12,084	86	108					
37	59	91.808	9.743,359	120.307,444	12,348	11,879	87	109					
38	60	91.231	9.112,578	110.564,085	12,133	11,665	88	110					
39	61	90.604	8.517,584	101.451,506	11,911	11,442	89	111					
40	62	89.955	7.959,151	92.933,922	11,676	11,208	90	112					
41	63	89.235	7.431,006	84.974,771	11,435	10,967	91						
42	64	88.459	6.933,121	77.543,765	11,185	10,716	92						
43	65	87.619	6.463,286	70.610,643	10,925	10,457	93						
44	66	86.688	6.018,474	64.147,357	10,658	10,190	94						
45	67	85.673	5.598,086	58.128,884	10,384	9,915	95						
46	68	84.541	5.199,182	52.530,798	10,104	9,635	96						
47	69	83.290	4.820,961	47.331,615	9,818	9,350	97						
48	70	81.919	4.462,697	42.510,655	9,526	9,057	98						
49	71	80.425	4.123,582	38.047,958	9,227	8,759	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -23 Jahre

Zinsfuß 6,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	23	99.241	99.241,437	1.604.518,228	16,168	15,699	50	73	77.346	3.732,434	32.293,273	8,652	8,184
1	24	98.763	92.953,311	1.505.276,791	16,194	15,726	51	74	75.395	3.424,260	28.560,839	8,341	7,872
2	25	98.696	87.426,368	1.412.323,480	16,154	15,686	52	75	73.297	3.133,159	25.136,579	8,023	7,554
3	26	98.652	82.246,831	1.324.897,112	16,109	15,640	53	76	70.978	2.855,553	22.003,419	7,705	7,237
4	27	98.606	77.372,994	1.242.650,280	16,061	15,592	54	77	68.490	2.593,374	19.147,866	7,383	6,915
5	28	98.564	72.790,656	1.165.277,287	16,009	15,540	55	78	65.812	2.345,383	16.554,492	7,058	6,590
6	29	98.522	68.479,139	1.092.486,631	15,954	15,485	56	79	62.899	2.109,696	14.209,109	6,735	6,267
7	30	98.481	64.424,579	1.024.007,492	15,895	15,426	57	80	59.781	1.887,174	12.099,413	6,411	5,943
8	31	98.437	60.607,561	959.582,913	15,833	15,364	58	81	56.377	1.675,019	10.212,239	6,097	5,628
9	32	98.390	57.015,254	898.975,353	15,767	15,299	59	82	52.727	1.474,423	8.537,219	5,790	5,322
10	33	98.346	53.637,315	841.960,099	15,697	15,229	60	83	48.801	1.284,370	7.062,797	5,499	5,031
11	34	98.297	50.457,265	788.322,784	15,624	15,155	61	84	44.794	1.109,563	5.778,427	5,208	4,739
12	35	98.237	47.460,069	737.865,519	15,547	15,079	62	85	40.699	948,838	4.668,864	4,921	4,452
13	36	98.174	44.639,602	690.405,449	15,466	14,998	63	86	36.665	804,503	3.720,025	4,624	4,156
14	37	98.106	41.984,542	645.765,847	15,381	14,913	64	87	32.492	671,006	2.915,522	4,345	3,877
15	38	98.028	39.483,346	603.781,306	15,292	14,824	65	88	28.210	548,299	2.244,516	4,094	3,625
16	39	97.936	37.126,042	564.297,960	15,200	14,731	66	89	24.070	440,324	1.696,216	3,852	3,384
17	40	97.820	34.900,822	527.171,918	15,105	14,637	67	90	20.110	346,240	1.255,893	3,627	3,159
18	41	97.685	32.802,620	492.271,096	15,007	14,539	68	91	16.463	266,766	909,652	3,410	2,942
19	42	97.515	30.819,143	459.468,475	14,909	14,440	69	92	13.061	199,200	642,886	3,227	2,759
20	43	97.327	28.950,294	428.649,333	14,806	14,338	70	93	10.111	145,139	443,687	3,057	2,589
21	44	97.126	27.191,280	399.699,039	14,700	14,231	71	94	7.623	102,981	298,548	2,899	2,431
22	45	96.915	25.536,130	372.507,759	14,587	14,119	72	95	5.588	71,047	195,568	2,753	2,284
23	46	96.689	23.977,795	346.971,629	14,471	14,002	73	96	3.974	47,561	124,521	2,618	2,150
24	47	96.443	22.510,109	322.993,834	14,349	13,880	74	97	2.740	30,858	76,960	2,494	2,026
25	48	96.186	21.129,443	300.483,725	14,221	13,753	75	98	1.828	19,376	46,102	2,379	1,911
26	49	95.912	19.829,861	279.354,282	14,088	13,619	76	99	1.179	11,758	26,726	2,273	1,805
27	50	95.613	18.605,166	259.524,421	13,949	13,481	77	100	734	6,888	14,968	2,173	1,705
28	51	95.303	17.454,010	240.919,255	13,803	13,335	78	101	440	3,885	8,080	2,080	1,612
29	52	94.968	16.369,640	223.465,245	13,651	13,183	79	102	253	2,104	4,195	1,994	1,525
30	53	94.615	15.349,339	207.095,605	13,492	13,024	80	103	140	1,093	2,091	1,913	1,444
31	54	94.247	14.390,300	191.746,266	13,325	12,856	81	104	74	0,543	0,998	1,838	1,369
32	55	93.845	13.486,046	177.355,966	13,151	12,683	82	105	37	0,257	0,455	1,766	1,298
33	56	93.413	12.634,324	163.869,920	12,970	12,502	83	106					
34	57	92.956	11.833,000	151.235,597	12,781	12,312	84	107					
35	58	92.453	11.076,646	139.402,597	12,585	12,117	85	108					
36	59	91.912	10.364,018	128.325,950	12,382	11,914	86	109					
37	60	91.341	9.693,826	117.961,932	12,169	11,700	87	110					
38	61	90.729	9.062,420	108.268,106	11,947	11,479	88	111					
39	62	90.094	8.469,652	99.205,685	11,713	11,245	89	112					
40	63	89.389	7.909,065	90.736,033	11,472	11,004	90						
41	64	88.628	7.380,462	82.826,968	11,222	10,754	91						
42	65	87.813	6.882,421	75.446,506	10,962	10,494	92						
43	66	86.903	6.410,498	68.564,085	10,696	10,227	93						
44	67	85.903	5.963,967	62.153,587	10,422	9,953	94						
45	68	84.802	5.541,182	56.189,621	10,140	9,672	95						
46	69	83.574	5.139,716	50.648,439	9,854	9,386	96						
47	70	82.228	4.759,454	45.508,723	9,562	9,093	97						
48	71	80.755	4.399,266	40.749,269	9,263	8,794	98						
49	72	79.121	4.056,730	36.350,002	8,960	8,492	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -24 Jahre

Zinsfuß 6,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	24	99.216	99.215,545	1.600.757,030	16,134	15,666	50	74	75.770	3.656,395	30.610,910	8,372	7,904
1	25	98.736	92.928,058	1.501.541,485	16,158	15,690	51	75	73.679	3.346,318	26.954,515	8,055	7,587
2	26	98.672	87.404,855	1.408.613,427	16,116	15,648	52	76	71.397	3.051,924	23.608,196	7,736	7,267
3	27	98.624	82.223,805	1.321.208,571	16,068	15,600	53	77	68.923	2.772,889	20.556,272	7,413	6,945
4	28	98.578	77.350,445	1.238.984,766	16,018	15,549	54	78	66.262	2.509,005	17.783,383	7,088	6,619
5	29	98.535	72.769,050	1.161.634,322	15,963	15,495	55	79	63.373	2.258,458	15.274,377	6,763	6,295
6	30	98.493	68.459,094	1.088.865,272	15,905	15,437	56	80	60.253	2.020,950	13.015,920	6,440	5,972
7	31	98.449	64.403,486	1.020.406,177	15,844	15,376	57	81	56.869	1.795,242	10.994,970	6,125	5,656
8	32	98.402	60.585,911	956.002,692	15,779	15,311	58	82	53.234	1.581,647	9.199,728	5,817	5,348
9	33	98.355	56.994,981	895.416,781	15,710	15,242	59	83	49.319	1.379,139	7.618,081	5,524	5,055
10	34	98.307	53.615,882	838.421,800	15,638	15,169	60	84	45.304	1.192,335	6.238,942	5,233	4,764
11	35	98.251	50.433,610	784.805,918	15,561	15,093	61	85	41.194	1.020,397	5.046,607	4,946	4,477
12	36	98.187	47.435,772	734.372,308	15,481	15,013	62	86	37.166	866,456	4.026,210	4,647	4,178
13	37	98.118	44.614,360	686.936,536	15,397	14,929	63	87	32.969	723,398	3.159,754	4,368	3,900
14	38	98.046	41.958,796	642.322,176	15,308	14,840	64	88	28.662	591,910	2.436,356	4,116	3,648
15	39	97.959	39.455,727	600.363,380	15,216	14,748	65	89	24.499	476,183	1.844,447	3,873	3,405
16	40	97.857	37.096,332	560.907,653	15,120	14,652	66	90	20.503	375,057	1.368,264	3,648	3,180
17	41	97.735	34.870,459	523.811,321	15,022	14,553	67	91	16.823	289,643	993,207	3,429	2,961
18	42	97.589	32.770,196	488.940,863	14,920	14,452	68	92	13.378	216,774	703,564	3,246	2,777
19	43	97.405	30.784,481	456.170,667	14,818	14,350	69	93	10.379	158,286	486,790	3,075	2,607
20	44	97.200	28.912,716	425.386,186	14,713	14,244	70	94	7.846	112,629	328,504	2,917	2,448
21	45	96.991	27.153,429	396.473,470	14,601	14,133	71	95	5.769	77,942	215,875	2,770	2,301
22	46	96.761	25.495,630	369.320,041	14,486	14,017	72	96	4.119	52,378	137,933	2,633	2,165
23	47	96.515	23.934,731	343.824,411	14,365	13,897	73	97	2.850	34,109	85,555	2,508	2,040
24	48	96.256	22.466,335	319.889,680	14,239	13,770	74	98	1.909	21,500	51,446	2,393	1,925
25	49	95.982	21.084,650	297.423,345	14,106	13,638	75	99	1.236	13,099	29,946	2,286	1,818
26	50	95.681	19.782,136	276.338,695	13,969	13,501	76	100	772	7,703	16,848	2,187	1,719
27	51	95.371	18.558,157	256.556,559	13,824	13,356	77	101	465	4,366	9,145	2,094	1,626
28	52	95.038	17.405,536	237.998,402	13,674	13,205	78	102	269	2,380	4,779	2,008	1,539
29	53	94.681	16.320,151	220.592,865	13,517	13,048	79	103	150	1,244	2,398	1,927	1,459
30	54	94.316	15.300,872	204.272,714	13,350	12,882	80	104	80	0,623	1,154	1,852	1,383
31	55	93.919	14.340,248	188.971,842	13,178	12,709	81	105	40	0,298	0,531	1,781	1,313
32	56	93.490	13.434,976	174.631,594	12,998	12,530	82	106					
33	57	93.038	12.583,601	161.196,619	12,810	12,342	83	107					
34	58	92.541	11.780,188	148.613,018	12,616	12,147	84	108					
35	59	92.008	11.023,305	136.832,830	12,413	11,945	85	109					
36	60	91.444	10.311,330	125.809,525	12,201	11,733	86	110					
37	61	90.838	9.640,469	115.498,194	11,981	11,512	87	111					
38	62	90.218	9.011,423	105.857,726	11,747	11,279	88	112					
39	63	89.527	8.416,354	96.846,303	11,507	11,039	89						
40	64	88.781	7.855,269	88.429,949	11,257	10,789	90						
41	65	87.980	7.326,490	80.574,680	10,998	10,529	91						
42	66	87.095	6.826,209	73.248,190	10,730	10,262	92						
43	67	86.116	6.352,441	66.421,981	10,456	9,988	93						
44	68	85.030	5.903,343	60.069,540	10,176	9,707	94						
45	69	83.832	5.477,804	54.166,197	9,888	9,420	95						
46	70	82.508	5.074,143	48.688,393	9,595	9,127	96						
47	71	81.059	4.691,805	43.614,250	9,296	8,827	97						
48	72	79.446	4.327,944	38.922,445	8,993	8,525	98						
49	73	77.695	3.983,591	34.594,501	8,684	8,216	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -25 Jahre

Zinsfuß 6,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	25	99.189	99.188,590	1.596.763,456	16,098	15,630	50	75	74.046	3.573,169	28.882,708	8,083	7,615
1	26	98.712	92.905,192	1.497.574,866	16,119	15,651	51	76	71.769	3.259,557	25.309,538	7,765	7,296
2	27	98.644	87.380,386	1.404.669,675	16,075	15,607	52	77	69.330	2.963,576	22.049,982	7,440	6,972
3	28	98.596	82.199,843	1.317.289,289	16,025	15,557	53	78	66.681	2.682,680	19.086,406	7,115	6,646
4	29	98.548	77.327,485	1.235.089,446	15,972	15,504	54	79	63.806	2.416,016	16.403,725	6,790	6,321
5	30	98.506	72.747,750	1.157.761,961	15,915	15,446	55	80	60.707	2.163,453	13.987,709	6,465	5,997
6	31	98.461	68.436,680	1.085.014,211	15,854	15,386	56	81	57.317	1.922,500	11.824,256	6,150	5,682
7	32	98.414	64.380,480	1.016.577,532	15,790	15,322	57	82	53.699	1.695,168	9.901,756	5,841	5,373
8	33	98.367	60.564,368	952.197,052	15,722	15,254	58	83	49.794	1.479,435	8.206,588	5,547	5,079
9	34	98.316	56.972,207	891.632,683	15,650	15,182	59	84	45.785	1.280,313	6.727,153	5,254	4,786
10	35	98.261	53.590,746	834.660,477	15,575	15,106	60	85	41.663	1.096,517	5.446,840	4,967	4,499
11	36	98.201	50.407,790	781.069,730	15,495	15,027	61	86	37.617	931,801	4.350,323	4,669	4,200
12	37	98.131	47.408,949	730.661,940	15,412	14,944	62	87	33.419	779,105	3.418,522	4,388	3,919
13	38	98.058	44.587,002	683.252,991	15,324	14,856	63	88	29.082	638,125	2.639,417	4,136	3,668
14	39	97.977	41.929,445	638.665,989	15,232	14,764	64	89	24.892	514,057	2.001,292	3,893	3,425
15	40	97.881	39.424,152	596.736,544	15,136	14,668	65	90	20.868	405,601	1.487,234	3,667	3,198
16	41	97.772	37.064,058	557.312,392	15,036	14,568	66	91	17.151	313,749	1.081,633	3,447	2,979
17	42	97.638	34.835,990	520.248,334	14,934	14,466	67	92	13.670	235,364	767,884	3,263	2,794
18	43	97.479	32.733,340	485.412,344	14,829	14,361	68	93	10.630	172,251	532,520	3,092	2,623
19	44	97.279	30.744,522	452.679,005	14,724	14,256	69	94	8.054	122,831	360,269	2,933	2,465
20	45	97.065	28.872,469	421.934,482	14,614	14,145	70	95	5.939	85,244	237,438	2,785	2,317
21	46	96.837	27.110,364	393.062,013	14,499	14,030	71	96	4.253	57,461	152,193	2,649	2,180
22	47	96.588	25.449,840	365.951,649	14,379	13,911	72	97	2.954	37,563	94,733	2,522	2,054
23	48	96.327	23.888,187	340.501,809	14,254	13,786	73	98	1.986	23,765	57,170	2,406	1,937
24	49	96.052	22.418,707	316.613,623	14,123	13,654	74	99	1.290	14,535	33,404	2,298	1,830
25	50	95.751	21.033,905	294.194,915	13,987	13,518	75	100	809	8,581	18,870	2,199	1,731
26	51	95.439	19.732,154	273.161,010	13,843	13,375	76	101	489	4,883	10,289	2,107	1,639
27	52	95.106	18.506,617	253.428,856	13,694	13,226	77	102	285	2,675	5,406	2,021	1,552
28	53	94.751	17.352,916	234.922,239	13,538	13,070	78	103	159	1,408	2,731	1,940	1,472
29	54	94.382	16.268,619	217.569,323	13,374	12,905	79	104	85	0,709	1,323	1,865	1,397
30	55	93.988	15.247,652	201.300,704	13,202	12,734	80	105	44	0,342	0,614	1,794	1,325
31	56	93.563	14.285,943	186.053,052	13,024	12,555	81	106					
32	57	93.114	13.381,038	171.767,109	12,837	12,368	82	107					
33	58	92.623	12.527,439	158.386,070	12,643	12,175	83	108					
34	59	92.096	11.723,459	145.858,631	12,442	11,973	84	109					
35	60	91.540	10.967,265	134.135,173	12,231	11,762	85	110					
36	61	90.941	10.254,574	123.167,907	12,011	11,543	86	111					
37	62	90.327	9.586,218	112.913,333	11,779	11,310	87	112					
38	63	89.650	8.954,715	103.327,115	11,539	11,070	88						
39	64	88.918	8.359,107	94.372,400	11,290	10,821	89						
40	65	88.131	7.797,825	86.013,293	11,030	10,562	90						
41	66	87.261	7.266,652	78.215,468	10,764	10,295	91						
42	67	86.307	6.764,387	70.948,816	10,489	10,020	92						
43	68	85.241	6.287,868	64.184,429	10,208	9,739	93						
44	69	84.057	5.835,823	57.896,561	9,921	9,453	94						
45	70	82.762	5.407,917	52.060,737	9,627	9,158	95						
46	71	81.335	5.002,021	46.652,820	9,327	8,858	96						
47	72	79.745	4.615,740	41.650,799	9,024	8,555	97						
48	73	78.013	4.249,915	37.035,058	8,714	8,246	98						
49	74	76.112	3.902,435	32.785,143	8,401	7,933	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 1 Jahr

Zinsfuß 6,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	49	91.859	4.432,765	55.482,704	12,516	12,048
1	0	99.544	93.688,254	1.550.082,590	16,545	16,077	51	50	91.184	4.141,350	51.049,939	12,327	11,859
2	1	99.126	87.806,890	1.456.394,336	16,586	16,118	52	51	90.482	3.867,750	46.908,589	12,128	11,660
3	2	99.070	82.595,549	1.368.587,447	16,570	16,101	53	52	89.702	3.608,836	43.040,839	11,927	11,458
4	3	99.033	77.707,439	1.285.991,898	16,549	16,081	54	53	88.868	3.364,998	39.432,003	11,718	11,250
5	4	99.002	73.114,053	1.208.284,459	16,526	16,058	55	54	87.986	3.135,620	36.067,005	11,502	11,034
6	5	98.976	68.794,917	1.135.170,406	16,501	16,032	56	55	87.024	2.918,893	32.931,385	11,282	10,814
7	6	98.952	64.732,148	1.066.375,489	16,474	16,005	57	56	86.015	2.715,358	30.012,492	11,053	10,585
8	7	98.930	60.911,238	1.001.643,341	16,444	15,976	58	57	84.929	2.523,346	27.297,135	10,818	10,349
9	8	98.910	57.316,416	940.732,103	16,413	15,945	59	58	83.744	2.341,782	24.773,789	10,579	10,111
10	9	98.891	53.934,636	883.415,687	16,379	15,911	60	59	82.465	2.170,361	22.432,006	10,336	9,867
11	10	98.875	50.753,960	829.481,052	16,343	15,875	61	60	81.122	2.009,428	20.261,645	10,083	9,615
12	11	98.853	47.757,516	778.727,091	16,306	15,837	62	61	79.706	1.858,226	18.252,217	9,822	9,354
13	12	98.831	44.938,166	730.969,575	16,266	15,798	63	62	78.190	1.715,651	16.393,992	9,566	9,087
14	13	98.809	42.285,669	686.031,410	16,224	15,755	64	63	76.575	1.581,382	14.678,340	9,282	8,814
15	14	98.782	39.787,079	643.745,741	16,180	15,711	65	64	74.854	1.454,907	13.096,958	9,002	8,534
16	15	98.747	37.433,467	603.958,662	16,134	15,666	66	65	73.005	1.335,505	11.642,052	8,717	8,249
17	16	98.691	35.211,711	566.525,195	16,089	15,621	67	66	71.024	1.222,825	10.306,547	8,428	7,960
18	17	98.620	33.116,622	531.313,484	16,044	15,575	68	67	68.873	1.116,042	9.083,722	8,139	7,671
19	18	98.524	31.138,091	498.196,862	16,000	15,531	69	68	66.561	1.015,136	7.967,680	7,849	7,381
20	19	98.416	29.274,414	467.058,770	15,955	15,486	70	69	64.105	920,172	6.952,544	7,556	7,087
21	20	98.314	27.523,811	437.784,356	15,906	15,437	71	70	61.483	830,612	6.032,372	7,263	6,794
22	21	98.206	25.876,276	410.260,546	15,855	15,386	72	71	58.700	746,373	5.201,759	6,969	6,501
23	22	98.108	24.329,825	384.384,270	15,799	15,331	73	72	55.716	666,751	4.455,386	6,682	6,214
24	23	98.009	22.875,491	360.054,445	15,740	15,271	74	73	52.589	592,317	3.788,635	6,396	5,928
25	24	97.912	21.508,639	337.178,954	15,676	15,208	75	74	49.330	522,932	3.196,318	6,112	5,644
26	25	97.814	20.223,122	315.670,314	15,609	15,141	76	75	45.979	458,731	2.673,386	5,828	5,359
27	26	97.720	19.015,235	295.447,192	15,537	15,069	77	76	42.552	399,573	2.214,656	5,543	5,074
28	27	97.623	17.878,886	276.431,957	15,461	14,993	78	77	39.059	345,193	1.815,083	5,258	4,790
29	28	97.522	16.809,918	258.553,071	15,381	14,913	79	78	35.494	295,238	1.469,890	4,979	4,510
30	29	97.425	15.805,279	241.743,154	15,295	14,827	80	79	31.903	249,754	1.174,652	4,703	4,235
31	30	97.325	14.860,338	225.937,875	15,204	14,736	81	80	28.289	208,440	924,897	4,437	3,969
32	31	97.217	13.970,580	211.077,537	15,109	14,640	82	81	24.702	171,300	716,457	4,182	3,714
33	32	97.102	13.133,316	197.106,957	15,008	14,540	83	82	21.136	137,946	545,158	3,952	3,484
34	33	96.983	12.345,534	183.973,641	14,902	14,434	84	83	17.755	109,067	407,211	3,734	3,265
35	34	96.851	11.603,590	171.628,107	14,791	14,323	85	84	14.665	84,788	298,144	3,516	3,048
36	35	96.705	10.904,482	160.024,517	14,675	14,207	86	85	11.920	64,860	213,356	3,290	2,821
37	36	96.546	10.246,209	149.120,035	14,554	14,085	87	86	9.443	48,360	148,496	3,071	2,602
38	37	96.375	9.626,393	138.873,826	14,426	13,958	88	87	7.216	34,781	100,136	2,879	2,411
39	38	96.183	9.042,102	129.247,433	14,294	13,826	89	88	5.312	24,097	65,356	2,712	2,244
40	39	95.968	8.491,153	120.205,331	14,157	13,688	90	89	3.784	16,155	41,259	2,554	2,086
41	40	95.726	7.971,526	111.714,177	14,014	13,546	91	90	2.598	10,438	25,104	2,405	1,937
42	41	95.461	7.481,846	103.742,651	13,866	13,398	92	91	1.711	6,470	14,665	2,266	1,798
43	42	95.156	7.019,261	96.260,806	13,714	13,245	93	92	1.071	3,811	8,195	2,150	1,682
44	43	94.814	6.582,597	89.241,545	13,557	13,089	94	93	640	2,144	4,384	2,045	1,576
45	44	94.436	6.170,744	82.658,947	13,395	12,927	95	94	365	1,150	2,240	1,948	1,480
46	45	94.015	5.781,829	76.488,203	13,229	12,761	96	95	197	0,586	1,090	1,860	1,392
47	46	93.547	5.414,649	70.706,374	13,058	12,590	97	96	101	0,283	0,504	1,781	1,312
48	47	93.029	5.067,922	65.291,725	12,883	12,415	98	97	49	0,129	0,221	1,708	1,240
49	48	92.469	4.741,099	60.223,803	12,702	12,234	99	98	23	0,056	0,092	1,642	1,173
							100	99	10	0,023	0,036	1,582	1,113

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 2 Jahre

Zinsfuß 6,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	48	92.054	4.442,183	55.865,791	12,576	12,108
1							51	49	91.404	4.151,341	51.423,608	12,387	11,919
2	0	99.504	88.141,557	1.457.433,225	16,535	16,067	52	50	90.711	3.877,547	47.272,268	12,191	11,723
3	1	99.106	82.625,140	1.369.291,667	16,572	16,104	53	51	89.952	3.618,886	43.394,720	11,991	11,523
4	2	99.052	77.722,806	1.286.666,527	16,555	16,086	54	52	89.138	3.375,202	39.775,834	11,785	11,316
5	3	99.019	73.126,605	1.208.943,722	16,532	16,064	55	53	88.265	3.145,552	36.400,632	11,572	11,104
6	4	98.989	68.803,803	1.135.817,116	16,508	16,040	56	54	87.328	2.929,081	33.255,080	11,353	10,885
7	5	98.964	64.740,611	1.067.013,313	16,481	16,013	57	55	86.342	2.725,679	30.325,999	11,126	10,658
8	6	98.939	60.916,852	1.002.272,702	16,453	15,985	58	56	85.271	2.533,517	27.600,320	10,894	10,426
9	7	98.918	57.321,408	941.355,851	16,422	15,954	59	57	84.119	2.352,281	25.066,802	10,656	10,188
10	8	98.901	53.939,814	884.034,443	16,389	15,921	60	58	82.864	2.180,863	22.714,522	10,415	9,947
11	9	98.882	50.757,240	830.094,629	16,354	15,886	61	59	81.536	2.019,696	20.533,658	10,167	9,698
12	10	98.861	47.761,532	779.337,389	16,317	15,849	62	60	80.147	1.868,510	18.513,962	9,908	9,440
13	11	98.840	44.942,380	731.575,857	16,278	15,810	63	61	78.633	1.725,361	16.645,452	9,648	9,179
14	12	98.818	42.289,260	686.633,477	16,237	15,768	64	62	77.060	1.591,396	14.920,091	9,375	8,907
15	13	98.791	39.790,934	644.344,216	16,193	15,725	65	63	75.367	1.464,871	13.328,695	9,099	8,631
16	14	98.758	37.437,829	604.553,282	16,148	15,680	66	64	73.543	1.345,343	11.863,825	8,818	8,350
17	15	98.709	35.218,004	567.115,453	16,103	15,635	67	65	71.609	1.232,894	10.518,482	8,532	8,063
18	16	98.641	33.123,637	531.897,449	16,058	15,590	68	66	69.502	1.126,242	9.285,587	8,245	7,776
19	17	98.546	31.144,944	498.773,812	16,015	15,546	69	67	67.245	1.025,561	8.159,346	7,956	7,488
20	18	98.445	29.282,835	467.628,868	15,969	15,501	70	68	64.847	930,819	7.133,784	7,664	7,196
21	19	98.341	27.531,443	438.346,033	15,922	15,453	71	69	62.277	841,347	6.202,966	7,373	6,904
22	20	98.237	25.884,451	410.814,590	15,871	15,403	72	70	59.547	757,135	5.361,619	7,081	6,613
23	21	98.132	24.335,780	384.930,139	15,817	15,349	73	71	56.634	677,739	4.604,484	6,794	6,326
24	22	98.035	22.881,686	360.594,360	15,759	15,291	74	72	53.555	603,192	3.926,746	6,510	6,042
25	23	97.938	21.514,253	337.712,673	15,697	15,229	75	73	50.356	533,807	3.323,554	6,226	5,758
26	24	97.840	20.228,618	316.198,420	15,631	15,163	76	74	47.050	469,415	2.789,747	5,943	5,475
27	25	97.744	19.019,915	295.969,802	15,561	15,093	77	75	43.685	410,208	2.320,332	5,656	5,188
28	26	97.650	17.883,893	276.949,888	15,486	15,018	78	76	40.223	355,484	1.910,124	5,373	4,905
29	27	97.551	16.814,818	259.065,995	15,407	14,939	79	77	36.688	305,166	1.554,640	5,094	4,626
30	28	97.454	15.809,971	242.251,177	15,323	14,854	80	78	33.131	259,367	1.249,474	4,817	4,349
31	29	97.354	14.864,689	226.441,206	15,233	14,765	81	79	29.532	217,593	990,107	4,550	4,082
32	30	97.248	13.975,156	211.576,517	15,139	14,671	82	80	25.967	180,072	772,513	4,290	3,822
33	31	97.137	13.138,009	197.601,361	15,040	14,572	83	81	22.383	146,090	592,442	4,055	3,587
34	32	97.017	12.349,925	184.463,352	14,936	14,468	84	82	18.982	116,603	446,352	3,828	3,360
35	33	96.890	11.608,228	172.113,427	14,827	14,358	85	83	15.797	91,333	329,749	3,610	3,142
36	34	96.750	10.909,597	160.505,199	14,712	14,244	86	84	12.961	70,527	238,416	3,380	2,912
37	35	96.595	10.251,457	149.595,602	14,593	14,124	87	85	10.341	52,958	167,889	3,170	2,702
38	36	96.429	9.631,840	139.344,145	14,467	13,999	88	86	8.025	38,680	114,931	2,971	2,503
39	37	96.242	9.047,650	129.712,305	14,337	13,868	89	87	6.022	27,317	76,251	2,791	2,323
40	38	96.035	8.497,097	120.664,655	14,201	13,732	90	88	4.357	18,602	48,934	2,631	2,162
41	39	95.802	7.977,911	112.167,557	14,060	13,591	91	89	3.050	12,255	30,332	2,475	2,007
42	40	95.544	7.488,360	104.189,647	13,914	13,445	92	90	2.045	7,735	18,077	2,337	1,869
43	41	95.250	7.026,206	96.701,286	13,763	13,295	93	91	1.317	4,690	10,342	2,205	1,737
44	42	94.920	6.590,009	89.675,080	13,608	13,139	94	92	805	2,698	5,652	2,095	1,626
45	43	94.559	6.178,764	83.085,071	13,447	12,979	95	93	470	1,481	2,954	1,994	1,526
46	44	94.146	5.789,889	76.906,307	13,283	12,815	96	94	261	0,774	1,473	1,902	1,434
47	45	93.696	5.423,251	71.116,418	13,113	12,645	97	95	137	0,384	0,699	1,819	1,350
48	46	93.197	5.077,040	65.693,168	12,939	12,471	98	96	69	0,180	0,314	1,743	1,274
49	47	92.649	4.750,336	60.616,127	12,760	12,292	99	97	32	0,080	0,134	1,674	1,205
							100	98	14	0,033	0,054	1,611	1,142

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 3 Jahre

Zinsfuß 6,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	47	92.234	4.450,838	56.219,537	12,631	12,163
1							51	48	91.598	4.160,160	51.768,699	12,444	11,976
2							52	49	90.930	3.886,902	47.608,539	12,248	11,780
3	0	99.484	82.940,058	1.370.253,575	16,521	16,053	53	50	90.179	3.628,053	43.721,637	12,051	11,583
4	1	99.088	77.750,651	1.287.313,516	16,557	16,089	54	51	89.386	3.384,602	40.093,584	11,846	11,378
5	2	99.039	73.141,066	1.209.562,865	16,537	16,069	55	52	88.533	3.155,091	36.708,982	11,635	11,166
6	3	99.006	68.815,615	1.136.421,799	16,514	16,046	56	53	87.604	2.938,359	33.553,892	11,419	10,951
7	4	98.977	64.748,973	1.067.606,184	16,488	16,020	57	54	86.644	2.735,193	30.615,532	11,193	10,725
8	5	98.952	60.924,816	1.002.857,210	16,461	15,992	58	55	85.595	2.543,148	27.880,339	10,963	10,495
9	6	98.928	57.326,690	941.932,394	16,431	15,963	59	56	84.459	2.361,763	25.337,192	10,728	10,260
10	7	98.909	53.944,512	884.605,704	16,398	15,930	60	57	83.235	2.190,641	22.975,429	10,488	10,020
11	8	98.891	50.762,113	830.661,193	16,364	15,895	61	58	81.931	2.029,469	20.784,788	10,241	9,773
12	9	98.868	47.764,619	779.899,080	16,328	15,860	62	59	80.557	1.878,058	18.755,320	9,987	9,518
13	10	98.848	44.946,160	732.134,461	16,289	15,821	63	60	79.068	1.734,910	16.877,262	9,728	9,260
14	11	98.827	42.293,226	687.188,301	16,248	15,780	64	61	77.496	1.600,402	15.142,352	9,462	8,993
15	12	98.800	39.794,314	644.895,075	16,206	15,737	65	62	75.844	1.474,147	13.541,949	9,186	8,718
16	13	98.768	37.441,457	605.100,761	16,161	15,693	66	63	74.047	1.354,556	12.067,802	8,909	8,441
17	14	98.720	35.222,108	567.659,304	16,117	15,648	67	64	72.136	1.241,977	10.713,246	8,626	8,158
18	15	98.659	33.129,556	532.437,196	16,071	15,603	68	65	70.075	1.135,516	9.471,269	8,341	7,873
19	16	98.567	31.151,541	499.307,640	16,028	15,560	69	66	67.859	1.034,934	8.335,753	8,054	7,586
20	17	98.466	29.289,280	468.156,099	15,984	15,516	70	67	65.513	940,378	7.300,819	7,764	7,295
21	18	98.370	27.539,363	438.866,819	15,936	15,468	71	68	62.998	851,081	6.360,441	7,473	7,005
22	19	98.264	25.891,629	411.327,456	15,887	15,418	72	69	60.316	766,919	5.509,361	7,184	6,715
23	20	98.163	24.343,469	385.435,828	15,833	15,365	73	70	57.450	687,511	4.742,441	6,898	6,430
24	21	98.059	22.887,286	361.092,359	15,777	15,309	74	71	54.437	613,132	4.054,931	6,613	6,145
25	22	97.964	21.520,079	338.205,073	15,716	15,247	75	72	51.281	543,607	3.441,798	6,331	5,863
26	23	97.866	20.233,897	316.684,994	15,651	15,183	76	73	48.028	479,177	2.898,191	6,048	5,580
27	24	97.771	19.025,083	296.451,097	15,582	15,114	77	74	44.703	419,763	2.419,014	5,763	5,294
28	25	97.674	17.888,294	277.426,013	15,509	15,040	78	75	41.294	364,946	1.999,251	5,478	5,010
29	26	97.578	16.819,527	259.537,719	15,431	14,962	79	76	37.782	314,263	1.634,305	5,200	4,732
30	27	97.482	15.814,580	242.718,192	15,348	14,879	80	77	34.245	268,089	1.320,041	4,924	4,456
31	28	97.383	14.869,102	226.903,612	15,260	14,792	81	78	30.668	225,968	1.051,953	4,655	4,187
32	29	97.277	13.979,248	212.034,510	15,168	14,699	82	79	27.107	187,979	825,985	4,394	3,926
33	30	97.169	13.142,312	198.055,262	15,070	14,602	83	80	23.529	153,571	638,005	4,154	3,686
34	31	97.052	12.354,338	184.912,950	14,967	14,499	84	81	20.102	123,486	484,434	3,923	3,455
35	32	96.924	11.612,357	172.558,612	14,860	14,392	85	82	16.889	97,643	360,948	3,697	3,228
36	33	96.789	10.913,958	160.946,254	14,747	14,278	86	83	13.962	75,971	263,305	3,466	2,997
37	34	96.641	10.256,265	150.032,296	14,628	14,160	87	84	11.244	57,586	187,334	3,253	2,785
38	35	96.479	9.636,773	139.776,031	14,504	14,036	88	85	8.788	42,358	129,748	3,063	2,595
39	36	96.296	9.052,769	130.139,258	14,376	13,907	89	86	6.697	30,380	87,390	2,877	2,408
40	37	96.094	8.502,311	121.086,488	14,242	13,773	90	87	4.939	21,088	57,011	2,704	2,235
41	38	95.869	7.983,495	112.584,177	14,102	13,634	91	88	3.511	14,111	35,923	2,546	2,077
42	39	95.620	7.494,358	104.600,682	13,957	13,489	92	89	2.401	9,081	21,812	2,402	1,934
43	40	95.333	7.032,324	97.106,324	13,809	13,340	93	90	1.575	5,606	12,731	2,271	1,803
44	41	95.014	6.596,530	90.074,000	13,655	13,186	94	91	991	3,321	7,125	2,146	1,677
45	42	94.666	6.185,721	83.477,471	13,495	13,027	95	92	591	1,864	3,805	2,041	1,572
46	43	94.268	5.797,414	77.291,749	13,332	12,864	96	93	336	0,998	1,940	1,945	1,477
47	44	93.826	5.430,810	71.494,336	13,165	12,696	97	94	182	0,507	0,943	1,858	1,389
48	45	93.345	5.085,105	66.063,525	12,992	12,523	98	95	93	0,245	0,435	1,778	1,310
49	46	92.816	4.758,883	60.978,420	12,814	12,345	99	96	45	0,112	0,191	1,706	1,238
							100	97	21	0,048	0,079	1,640	1,172

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 4 Jahre

Zinsfuß 6,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	46	92.399	4.458,846	56.545,962	12,682	12,213
1							51	47	91.776	4.168,266	52.087,116	12,496	12,028
2							52	48	91.123	3.895,160	47.918,850	12,302	11,834
3							53	49	90.397	3.636,806	44.023,691	12,105	11,637
4	0	99.465	78.046,991	1.288.203,955	16,505	16,037	54	50	89.613	3.393,175	40.386,885	11,902	11,434
5	1	99.074	73.167,270	1.210.156,964	16,540	16,071	55	51	88.779	3.163,878	36.993,710	11,693	11,224
6	2	99.025	68.829,224	1.136.989,694	16,519	16,051	56	52	87.870	2.947,269	33.829,832	11,478	11,010
7	3	98.994	64.760,089	1.068.160,470	16,494	16,026	57	53	86.918	2.743,857	30.882,563	11,255	10,787
8	4	98.965	60.932,686	1.003.400,381	16,467	15,999	58	54	85.894	2.552,024	28.138,706	11,026	10,558
9	5	98.940	57.334,185	942.467,695	16,438	15,970	59	55	84.780	2.370,740	25.586,682	10,793	10,324
10	6	98.918	53.949,483	885.133,510	16,407	15,938	60	56	83.571	2.199,471	23.215,942	10,555	10,087
11	7	98.900	50.766,534	831.184,028	16,373	15,904	61	57	82.298	2.038,567	21.016,471	10,309	9,841
12	8	98.877	47.769,204	780.417,493	16,337	15,869	62	58	80.947	1.887,146	18.977,904	10,056	9,588
13	9	98.855	44.949,064	732.648,289	16,300	15,831	63	59	79.472	1.743,775	17.090,758	9,801	9,333
14	10	98.835	42.296,783	687.699,225	16,259	15,791	64	60	77.925	1.609,260	15.346,983	9,537	9,068
15	11	98.809	39.798,046	645.402,442	16,217	15,749	65	61	76.273	1.482,490	13.737,723	9,267	8,798
16	12	98.776	37.444,637	605.604,396	16,173	15,705	66	62	74.516	1.363,134	12.255,233	8,990	8,522
17	13	98.730	35.225,521	568.159,759	16,129	15,661	67	63	72.630	1.250,482	10.892,099	8,710	8,242
18	14	98.670	33.133,417	532.934,238	16,084	15,616	68	64	70.591	1.143,881	9.641,616	8,429	7,961
19	15	98.584	31.157,108	499.800,821	16,041	15,573	69	65	68.418	1.043,456	8.497,736	8,144	7,675
20	16	98.487	29.295,484	468.643,713	15,997	15,529	70	66	66.112	948,972	7.454,279	7,855	7,387
21	17	98.391	27.545,423	439.348,229	15,950	15,482	71	67	63.645	859,821	6.505,307	7,566	7,098
22	18	98.293	25.899,077	411.802,806	15,900	15,432	72	68	61.014	775,793	5.645,486	7,277	6,809
23	19	98.190	24.350,219	385.903,729	15,848	15,380	73	69	58.193	696,395	4.869,694	6,993	6,524
24	20	98.090	22.894,518	361.553,510	15,792	15,324	74	70	55.222	621,973	4.173,298	6,710	6,241
25	21	97.988	21.525,346	338.658,993	15,733	15,265	75	71	52.126	552,566	3.551,326	6,427	5,959
26	22	97.893	20.239,377	317.133,647	15,669	15,201	76	72	48.910	487,975	2.998,760	6,145	5,677
27	23	97.796	19.030,048	296.894,270	15,601	15,133	77	73	45.632	428,492	2.510,785	5,860	5,391
28	24	97.701	17.893,156	277.864,222	15,529	15,061	78	74	42.256	373,446	2.082,293	5,576	5,108
29	25	97.602	16.823,667	259.971,066	15,453	14,984	79	75	38.787	322,628	1.708,846	5,297	4,828
30	26	97.510	15.819,009	243.147,400	15,371	14,902	80	76	35.266	276,081	1.386,218	5,021	4,553
31	27	97.411	14.873,437	227.328,391	15,284	14,816	81	77	31.700	233,567	1.110,137	4,753	4,285
32	28	97.306	13.983,398	212.454,954	15,193	14,725	82	78	28.150	195,214	876,571	4,490	4,022
33	29	97.197	13.146,160	198.471,556	15,097	14,629	83	79	24.563	160,315	681,356	4,250	3,782
34	30	97.084	12.358,384	185.325,396	14,996	14,528	84	80	21.132	129,810	521,041	4,014	3,546
35	31	96.959	11.616,507	172.967,011	14,890	14,421	85	81	17.886	103,407	391,231	3,783	3,315
36	32	96.823	10.917,840	161.350,504	14,779	14,310	86	82	14.926	81,220	287,824	3,544	3,075
37	33	96.679	10.260,365	150.432,664	14,662	14,193	87	83	12.112	62,031	206,604	3,331	2,862
38	34	96.524	9.641,293	140.172,299	14,539	14,070	88	84	9.556	46,059	144,573	3,139	2,671
39	35	96.346	9.057,406	130.531,006	14,412	13,943	89	85	7.333	33,268	98,514	2,961	2,493
40	36	96.148	8.507,121	121.473,599	14,279	13,811	90	86	5.493	23,452	65,246	2,782	2,314
41	37	95.928	7.988,394	112.966,478	14,141	13,673	91	87	3.981	15,997	41,794	2,613	2,144
42	38	95.687	7.499,604	104.978,084	13,998	13,529	92	88	2.765	10,456	25,798	2,467	1,999
43	39	95.409	7.037,956	97.478,480	13,850	13,382	93	89	1.849	6,582	15,342	2,331	1,863
44	40	95.097	6.602,273	90.440,524	13,698	13,230	94	90	1.185	3,970	8,760	2,207	1,738
45	41	94.759	6.191,842	83.838,250	13,540	13,072	95	91	728	2,294	4,790	2,088	1,620
46	42	94.374	5.803,941	77.646,408	13,378	12,910	96	92	423	1,255	2,496	1,988	1,520
47	43	93.948	5.437,869	71.842,467	13,212	12,743	97	93	234	0,654	1,241	1,897	1,429
48	44	93.475	5.092,194	66.404,598	13,040	12,572	98	94	123	0,323	0,587	1,815	1,346
49	45	92.963	4.766,443	61.312,405	12,863	12,395	99	95	61	0,151	0,263	1,739	1,271
							100	96	29	0,067	0,112	1,671	1,202

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 5 Jahre

Zinsfuß 6,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	45	92.546	4.465,929	56.846,681	12,729	12,261
1							51	46	91.942	4.175,765	52.380,752	12,544	12,076
2							52	47	91.301	3.902,749	48.204,987	12,352	11,883
3							53	48	90.589	3.644,532	44.302,238	12,156	11,687
4							54	49	89.829	3.401,361	40.657,706	11,953	11,485
5	0	99.452	73.446,141	1.210.981,119	16,488	16,020	55	50	89.004	3.171,892	37.256,345	11,746	11,277
6	1	99.061	68.853,883	1.137.534,978	16,521	16,053	56	51	88.115	2.955,477	34.084,453	11,533	11,064
7	2	99.014	64.772,896	1.068.681,095	16,499	16,031	57	52	87.182	2.752,177	31.128,976	11,311	10,842
8	3	98.982	60.943,146	1.003.908,199	16,473	16,005	58	53	86.166	2.560,108	28.376,799	11,084	10,616
9	4	98.953	57.341,591	942.965,053	16,445	15,976	59	54	85.076	2.379,015	25.816,691	10,852	10,383
10	5	98.931	53.956,536	885.623,462	16,414	15,945	60	55	83.888	2.207,832	23.437,676	10,616	10,147
11	6	98.909	50.771,213	831.666,926	16,381	15,912	61	56	82.630	2.046,784	21.229,844	10,372	9,904
12	7	98.886	47.773,365	780.895,714	16,346	15,877	62	57	81.310	1.895,606	19.183,060	10,120	9,651
13	8	98.864	44.953,380	733.122,349	16,309	15,840	63	58	79.856	1.752,213	17.287,454	9,866	9,398
14	9	98.842	42.299,517	688.168,969	16,269	15,801	64	59	78.323	1.617,483	15.535,241	9,605	9,136
15	10	98.817	39.801,393	645.869,453	16,227	15,759	65	60	76.695	1.490,695	13.917,757	9,336	8,868
16	11	98.786	37.448,149	606.068,060	16,184	15,716	66	61	74.938	1.370,849	12.427,063	9,065	8,597
17	12	98.738	35.228,513	568.619,911	16,141	15,673	67	62	73.090	1.258,401	11.056,214	8,786	8,318
18	13	98.680	33.136,628	533.391,398	16,097	15,628	68	63	71.074	1.151,715	9.797,813	8,507	8,039
19	14	98.596	31.160,739	500.254,770	16,054	15,586	69	64	68.922	1.051,143	8.646,098	8,225	7,757
20	15	98.505	29.300,719	469.094,031	16,010	15,541	70	65	66.656	956,786	7.594,955	7,938	7,470
21	16	98.412	27.551,258	439.793,313	15,963	15,494	71	66	64.226	867,679	6.638,168	7,650	7,182
22	17	98.314	25.904,777	412.242,055	15,914	15,445	72	67	61.641	783,760	5.770,489	7,363	6,894
23	18	98.219	24.357,224	386.337,278	15,861	15,393	73	68	58.866	704,453	4.986,730	7,079	6,611
24	19	98.117	22.900,866	361.980,055	15,806	15,338	74	69	55.936	630,010	4.282,277	6,797	6,329
25	20	98.019	21.532,147	339.079,189	15,748	15,279	75	70	52.878	560,533	3.652,267	6,516	6,047
26	21	97.916	20.244,330	317.547,042	15,686	15,217	76	71	49.716	496,017	3.091,734	6,233	5,765
27	22	97.823	19.035,202	297.302,712	15,619	15,150	77	72	46.470	436,359	2.595,717	5,949	5,480
28	23	97.726	17.897,825	278.267,510	15,548	15,079	78	73	43.134	381,212	2.159,358	5,664	5,196
29	24	97.629	16.828,238	260.369,685	15,472	15,004	79	74	39.691	330,143	1.778,145	5,386	4,918
30	25	97.534	15.822,902	243.541,446	15,392	14,923	80	75	36.204	283,429	1.448,002	5,109	4,641
31	26	97.438	14.877,602	227.718,544	15,306	14,838	81	76	32.645	240,530	1.164,573	4,842	4,373
32	27	97.334	13.987,475	212.840,942	15,217	14,748	82	77	29.097	201,779	924,043	4,579	4,111
33	28	97.226	13.150,063	198.853,467	15,122	14,654	83	78	25.508	166,485	722,265	4,338	3,870
34	29	97.112	12.362,003	185.703,404	15,022	14,554	84	79	22.060	135,510	555,779	4,101	3,633
35	30	96.991	11.620,312	173.341,401	14,917	14,449	85	80	18.802	108,703	420,269	3,866	3,398
36	31	96.858	10.921,741	161.721,090	14,807	14,339	86	81	15.807	86,015	311,567	3,622	3,154
37	32	96.714	10.264,015	150.799,348	14,692	14,224	87	82	12.949	66,316	225,552	3,401	2,933
38	33	96.563	9.645,147	140.535,333	14,571	14,102	88	83	10.293	49,614	159,235	3,209	2,741
39	34	96.391	9.061,655	130.890,186	14,444	13,976	89	84	7.974	36,175	109,621	3,030	2,562
40	35	96.197	8.511,479	121.828,531	14,313	13,845	90	85	6.015	25,682	73,446	2,860	2,391
41	36	95.982	7.992,914	113.317,052	14,177	13,709	91	86	4.427	17,790	47,764	2,685	2,217
42	37	95.746	7.504,206	105.324,139	14,035	13,567	92	87	3.134	11,853	29,974	2,529	2,060
43	38	95.476	7.042,883	97.819,933	13,889	13,421	93	88	2.129	7,578	18,121	2,391	1,923
44	39	95.173	6.607,561	90.777,050	13,738	13,270	94	89	1.391	4,660	10,542	2,262	1,794
45	40	94.842	6.197,233	84.169,489	13,582	13,113	95	90	870	2,743	5,882	2,145	1,676
46	41	94.468	5.809,684	77.972,256	13,421	12,953	96	91	521	1,545	3,139	2,032	1,564
47	42	94.054	5.443,992	72.162,572	13,255	12,787	97	92	295	0,823	1,594	1,938	1,469
48	43	93.596	5.098,812	66.718,580	13,085	12,617	98	93	159	0,417	0,772	1,851	1,383
49	44	93.093	4.773,087	61.619,768	12,910	12,441	99	94	81	0,200	0,355	1,773	1,305
							100	95	39	0,091	0,155	1,701	1,233

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 6 Jahre

Zinsfuß 6,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	44	92.675	4.472,154	57.123,267	12,773	12,305
1							51	45	92.088	4.182,399	52.651,113	12,589	12,120
2							52	46	91.465	3.909,771	48.468,715	12,397	11,928
3							53	47	90.766	3.651,633	44.558,944	12,202	11,734
4							54	48	90.020	3.408,587	40.907,311	12,001	11,533
5							55	49	89.219	3.179,544	37.498,724	11,794	11,325
6	0	99.438	69.116,313	1.138.297,695	16,469	16,001	56	50	88.338	2.962,964	34.319,180	11,583	11,114
7	1	99.049	64.796,102	1.069.181,381	16,501	16,032	57	51	87.425	2.759,842	31.356,216	11,362	10,893
8	2	99.002	60.955,198	1.004.385,279	16,477	16,009	58	52	86.427	2.567,871	28.596,374	11,136	10,668
9	3	98.970	57.351,435	943.430,082	16,450	15,982	59	53	85.345	2.386,551	26.028,503	10,906	10,438
10	4	98.944	53.963,506	886.078,646	16,420	15,952	60	54	84.181	2.215,538	23.641,952	10,671	10,203
11	5	98.922	50.777,850	832.115,141	16,387	15,919	61	55	82.944	2.054,565	21.426,414	10,429	9,960
12	6	98.895	47.777,767	781.337,290	16,354	15,885	62	56	81.637	1.903,247	19.371,850	10,178	9,710
13	7	98.873	44.957,295	733.559,523	16,317	15,848	63	57	80.214	1.760,068	17.468,603	9,925	9,457
14	8	98.851	42.303,577	688.602,228	16,278	15,809	64	58	78.702	1.625,310	15.708,534	9,665	9,197
15	9	98.824	39.803,965	646.298,651	16,237	15,769	65	59	77.087	1.498,312	14.083,224	9,399	8,931
16	10	98.794	37.451,298	606.494,686	16,194	15,726	66	60	75.352	1.378,436	12.584,912	9,130	8,661
17	11	98.748	35.231,817	569.043,388	16,151	15,683	67	61	73.504	1.265,523	11.206,476	8,855	8,387
18	12	98.688	33.139,442	533.811,571	16,108	15,640	68	62	71.524	1.159,008	9.940,954	8,577	8,109
19	13	98.605	31.163,758	500.672,129	16,066	15,597	69	63	69.394	1.058,342	8.781,945	8,298	7,829
20	14	98.516	29.304,134	469.508,370	16,022	15,554	70	64	67.147	963,835	7.723,603	8,013	7,545
21	15	98.430	27.556,181	440.204,237	15,975	15,506	71	65	64.755	874,824	6.759,769	7,727	7,259
22	16	98.335	25.910,264	412.648,055	15,926	15,458	72	66	62.204	790,923	5.884,945	7,441	6,972
23	17	98.240	24.362,584	386.737,792	15,874	15,406	73	67	59.470	711,687	5.094,022	7,158	6,689
24	18	98.146	22.907,454	362.375,208	15,819	15,351	74	68	56.583	637,300	4.382,335	6,876	6,408
25	19	98.046	21.538,117	339.467,754	15,761	15,293	75	69	53.561	567,777	3.745,036	6,596	6,128
26	20	97.947	20.250,726	317.929,637	15,700	15,231	76	70	50.433	503,168	3.177,259	6,315	5,846
27	21	97.846	19.039,861	297.678,910	15,635	15,166	77	71	47.236	443,550	2.674,090	6,029	5,560
28	22	97.753	17.902,672	278.639,050	15,564	15,096	78	72	43.926	388,212	2.230,540	5,746	5,277
29	23	97.654	16.832,630	260.736,378	15,490	15,022	79	73	40.516	337,009	1.842,328	5,467	4,998
30	24	97.560	15.827,202	243.903,747	15,410	14,942	80	74	37.048	290,031	1.505,320	5,190	4,722
31	25	97.462	14.881,264	228.076,545	15,326	14,858	81	75	33.514	246,932	1.215,289	4,922	4,453
32	26	97.361	13.991,392	213.195,281	15,238	14,769	82	76	29.964	207,794	968,357	4,660	4,192
33	27	97.254	13.153,897	199.203,890	15,144	14,676	83	77	26.366	172,084	760,563	4,420	3,951
34	28	97.141	12.365,673	186.049,993	15,046	14,577	84	78	22.909	140,726	588,479	4,182	3,713
35	29	97.019	11.623,714	173.684,320	14,942	14,474	85	79	19.627	113,476	447,753	3,946	3,477
36	30	96.889	10.925,319	162.060,606	14,833	14,365	86	80	16.617	90,419	334,277	3,697	3,229
37	31	96.748	10.267,682	151.135,287	14,720	14,251	87	81	13.714	70,231	243,858	3,472	3,004
38	32	96.597	9.648,578	140.867,605	14,600	14,131	88	82	11.004	53,042	173,627	3,273	2,805
39	33	96.429	9.065,277	131.219,027	14,475	14,007	89	83	8.590	38,968	120,584	3,094	2,626
40	34	96.242	8.515,471	122.153,750	14,345	13,877	90	84	6.540	27,926	81,617	2,923	2,454
41	35	96.032	7.997,008	113.638,279	14,210	13,742	91	85	4.848	19,481	53,691	2,756	2,288
42	36	95.800	7.508,451	105.641,271	14,070	13,601	92	86	3.485	13,182	34,209	2,595	2,127
43	37	95.535	7.047,204	98.132,820	13,925	13,457	93	87	2.413	8,591	21,027	2,448	1,979
44	38	95.240	6.612,186	91.085,615	13,775	13,307	94	88	1.602	5,366	12,436	2,318	1,849
45	39	94.918	6.202,197	84.473,429	13,620	13,152	95	89	1.021	3,220	7,070	2,196	1,727
46	40	94.550	5.814,743	78.271,232	13,461	12,992	96	90	622	1,847	3,850	2,085	1,616
47	41	94.147	5.449,378	72.456,489	13,296	12,828	97	91	363	1,013	2,003	1,978	1,510
48	42	93.702	5.104,553	67.007,111	13,127	12,659	98	92	199	0,524	0,990	1,889	1,420
49	43	93.214	4.779,291	61.902,558	12,952	12,484	99	93	104	0,258	0,466	1,807	1,339
							100	94	52	0,120	0,208	1,733	1,264

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 7 Jahre

Zinsfuß 6,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	43	92.796	4.477,967	57.377,623	12,813	12,345
1							51	44	92.216	4.188,229	52.899,657	12,631	12,162
2							52	45	91.611	3.915,982	48.711,428	12,439	11,971
3							53	46	90.929	3.658,203	44.795,446	12,245	11,777
4							54	47	90.195	3.415,228	41.137,243	12,045	11,577
5							55	48	89.408	3.186,299	37.722,015	11,839	11,370
6							56	49	88.551	2.970,112	34.535,716	11,628	11,159
7	0	99.427	65.043,066	1.069.887,200	16,449	15,981	57	50	87.646	2.766,833	31.565,604	11,409	10,940
8	1	99.037	60.977,036	1.004.844,134	16,479	16,011	58	51	86.668	2.575,023	28.798,771	11,184	10,716
9	2	98.990	57.362,777	943.867,097	16,454	15,986	59	52	85.604	2.393,788	26.223,748	10,955	10,487
10	3	98.961	53.972,770	886.504,321	16,425	15,957	60	53	84.448	2.222,556	23.829,961	10,722	10,254
11	4	98.935	50.784,409	832.531,551	16,393	15,925	61	54	83.234	2.061,736	21.607,405	10,480	10,012
12	5	98.908	47.784,014	781.747,141	16,360	15,892	62	55	81.948	1.910,482	19.545,669	10,231	9,762
13	6	98.882	44.961,438	733.963,128	16,324	15,856	63	56	80.538	1.767,163	17.635,188	9,979	9,511
14	7	98.860	42.307,262	689.001,690	16,286	15,817	64	57	79.055	1.632,596	15.868,025	9,720	9,251
15	8	98.833	39.807,786	646.694,428	16,245	15,777	65	58	77.460	1.505,562	14.235,428	9,455	8,987
16	9	98.800	37.453,718	606.886,642	16,204	15,735	66	59	75.737	1.385,479	12.729,866	9,188	8,720
17	10	98.756	35.234,780	569.432,923	16,161	15,693	67	60	73.910	1.272,527	11.344,387	8,915	8,446
18	11	98.698	33.142,550	534.198,143	16,118	15,650	68	61	71.929	1.165,567	10.071,859	8,641	8,173
19	12	98.614	31.166,405	501.055,593	16,077	15,608	69	62	69.834	1.065,044	8.906,292	8,362	7,894
20	13	98.526	29.306,973	469.889,188	16,033	15,565	70	63	67.607	970,435	7.841,248	8,080	7,612
21	14	98.441	27.559,393	440.582,215	15,987	15,518	71	64	65.232	881,269	6.870,813	7,797	7,328
22	15	98.353	25.914,894	413.022,822	15,938	15,469	72	65	62.716	797,436	5.989,544	7,511	7,043
23	16	98.261	24.367,744	387.107,928	15,886	15,418	73	66	60.014	718,191	5.192,108	7,229	6,761
24	17	98.167	22.912,495	362.740,184	15,832	15,363	74	67	57.164	643,844	4.473,917	6,949	6,480
25	18	98.075	21.544,313	339.827,689	15,773	15,305	75	68	54.181	574,346	3.830,073	6,669	6,200
26	19	97.975	20.256,341	318.283,376	15,713	15,244	76	69	51.085	509,671	3.255,727	6,388	5,920
27	20	97.877	19.045,876	298.027,034	15,648	15,179	77	70	47.917	449,946	2.746,056	6,103	5,635
28	21	97.776	17.907,053	278.981,158	15,579	15,111	78	71	44.650	394,609	2.296,110	5,819	5,350
29	22	97.681	16.837,189	261.074,104	15,506	15,037	79	72	41.260	343,196	1.901,501	5,541	5,072
30	23	97.586	15.831,333	244.236,916	15,427	14,959	80	73	37.818	296,062	1.558,305	5,263	4,795
31	24	97.489	14.885,308	228.405,583	15,344	14,876	81	74	34.294	252,683	1.262,243	4,995	4,527
32	25	97.385	13.994,835	213.520,275	15,257	14,789	82	75	30.762	213,325	1.009,559	4,732	4,264
33	26	97.282	13.157,580	199.525,440	15,164	14,696	83	76	27.152	177,214	796,234	4,493	4,025
34	27	97.169	12.369,278	186.367,860	15,067	14,599	84	77	23.679	145,458	619,021	4,256	3,787
35	28	97.048	11.627,165	173.998,582	14,965	14,496	85	78	20.383	117,844	473,563	4,019	3,550
36	29	96.918	10.928,517	162.371,416	14,858	14,389	86	79	17.347	94,390	355,719	3,769	3,300
37	30	96.780	10.271,045	151.442,899	14,745	14,276	87	80	14.416	73,828	261,329	3,540	3,071
38	31	96.631	9.652,026	141.171,854	14,626	14,158	88	81	11.654	56,174	187,501	3,338	2,870
39	32	96.464	9.068,501	131.519,828	14,503	14,035	89	82	9.183	41,660	131,328	3,152	2,684
40	33	96.281	8.518,875	122.451,326	14,374	13,906	90	83	7.045	30,081	89,668	2,981	2,512
41	34	96.077	8.000,759	113.932,451	14,240	13,772	91	84	5.272	21,184	59,586	2,813	2,344
42	35	95.849	7.512,297	105.931,692	14,101	13,633	92	85	3.817	14,436	38,402	2,660	2,192
43	36	95.589	7.051,192	98.419,395	13,958	13,489	93	86	2.684	9,554	23,967	2,509	2,040
44	37	95.298	6.616,244	91.368,204	13,810	13,341	94	87	1.816	6,083	14,413	2,369	1,901
45	38	94.984	6.206,538	84.751,960	13,655	13,187	95	88	1.176	3,708	8,329	2,247	1,778
46	39	94.626	5.819,400	78.545,422	13,497	13,029	96	89	731	2,168	4,622	2,132	1,663
47	40	94.229	5.454,123	72.726,022	13,334	12,866	97	90	433	1,211	2,454	2,027	1,558
48	41	93.794	5.109,604	67.271,899	13,166	12,697	98	91	245	0,645	1,243	1,926	1,458
49	42	93.319	4.784,672	62.162,295	12,992	12,524	99	92	131	0,325	0,598	1,841	1,373
							100	93	66	0,155	0,273	1,764	1,296

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 8 Jahre

Zinsfuß 6,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	42	92.900	4.483,008	57.611,149	12,851	12,383
1							51	43	92.336	4.193,672	53.128,141	12,669	12,200
2							52	44	91.738	3.921,440	48.934,469	12,479	12,010
3							53	45	91.073	3.664,014	45.013,028	12,285	11,817
4							54	46	90.357	3.421,373	41.349,014	12,086	11,617
5							55	47	89.583	3.192,507	37.927,641	11,880	11,412
6							56	48	88.739	2.976,422	34.735,134	11,670	11,202
7							57	49	87.858	2.773,508	31.758,712	11,451	10,982
8	0	99.415	61.209,445	1.005.497,287	16,427	15,959	58	50	86.888	2.581,545	28.985,204	11,228	10,759
9	1	99.025	57.383,328	944.287,843	16,456	15,987	59	51	85.842	2.400,454	26.403,659	10,999	10,531
10	2	98.981	53.983,443	886.904,515	16,429	15,961	60	52	84.704	2.229,295	24.003,205	10,767	10,299
11	3	98.952	50.793,128	832.921,072	16,398	15,930	61	53	83.497	2.068,267	21.773,909	10,528	10,059
12	4	98.920	47.790,186	782.127,944	16,366	15,898	62	54	82.234	1.917,150	19.705,643	10,279	9,810
13	5	98.895	44.967,316	734.337,758	16,330	15,862	63	55	80.844	1.773,880	17.788,493	10,028	9,560
14	6	98.869	42.311,161	689.370,442	16,293	15,825	64	56	79.374	1.639,177	16.014,612	9,770	9,302
15	7	98.842	39.811,253	647.059,281	16,253	15,785	65	57	77.808	1.512,312	14.375,435	9,506	9,037
16	8	98.810	37.457,314	607.248,028	16,212	15,743	66	58	76.104	1.392,184	12.863,123	9,240	8,771
17	9	98.762	35.237,057	569.790,714	16,170	15,702	67	59	74.288	1.279,029	11.470,940	8,968	8,500
18	10	98.706	33.145,337	534.553,657	16,128	15,659	68	60	72.327	1.172,018	10.191,910	8,696	8,228
19	11	98.623	31.169,328	501.408,320	16,087	15,618	69	61	70.229	1.071,071	9.019,892	8,421	7,953
20	12	98.534	29.309,462	470.238,991	16,044	15,576	70	62	68.035	976,581	7.948,820	8,139	7,671
21	13	98.451	27.562,063	440.929,529	15,998	15,529	71	63	65.679	887,304	6.972,239	7,858	7,389
22	14	98.364	25.917,914	413.367,466	15,949	15,481	72	64	63.178	803,310	6.084,936	7,575	7,106
23	15	98.279	24.372,099	387.449,552	15,897	15,429	73	65	60.508	724,105	5.281,625	7,294	6,826
24	16	98.188	22.917,348	363.077,453	15,843	15,375	74	66	57.686	649,728	4.557,520	7,014	6,546
25	17	98.096	21.549,054	340.160,104	15,785	15,317	75	67	54.737	580,244	3.907,792	6,735	6,266
26	18	98.003	20.262,169	318.611,050	15,724	15,256	76	68	51.676	515,568	3.327,548	6,454	5,986
27	19	97.905	19.051,157	298.348,881	15,660	15,192	77	69	48.536	455,760	2.811,980	6,170	5,702
28	20	97.807	17.912,711	279.297,724	15,592	15,124	78	70	45.294	400,299	2.356,220	5,886	5,418
29	21	97.705	16.841,309	261.385,013	15,520	15,052	79	71	41.940	348,852	1.955,921	5,607	5,138
30	22	97.612	15.835,620	244.543,703	15,443	14,974	80	72	38.512	301,498	1.607,069	5,330	4,862
31	23	97.514	14.889,192	228.708,083	15,361	14,892	81	73	35.007	257,938	1.305,571	5,062	4,593
32	24	97.412	13.998,638	213.818,891	15,274	14,806	82	74	31.478	218,294	1.047,633	4,799	4,331
33	25	97.306	13.160,819	199.820,252	15,183	14,715	83	75	27.875	181,931	829,339	4,559	4,090
34	26	97.196	12.372,742	186.659,434	15,086	14,618	84	76	24.385	149,794	647,408	4,322	3,854
35	27	97.076	11.630,555	174.286,692	14,985	14,517	85	77	21.068	121,806	497,614	4,085	3,617
36	28	96.946	10.931,762	162.656,137	14,879	14,411	86	78	18.014	98,023	375,808	3,834	3,366
37	29	96.808	10.274,053	151.724,375	14,768	14,299	87	79	15.049	77,070	277,785	3,604	3,136
38	30	96.663	9.655,187	141.450,322	14,650	14,182	88	80	12.251	59,050	200,715	3,399	2,931
39	31	96.498	9.071,742	131.795,135	14,528	14,060	89	81	9.725	44,119	141,665	3,211	2,743
40	32	96.315	8.521,905	122.723,393	14,401	13,933	90	82	7.532	32,160	97,545	3,033	2,565
41	33	96.115	8.003,957	114.201,488	14,268	13,800	91	83	5.678	22,819	65,386	2,865	2,397
42	34	95.894	7.515,821	106.197,531	14,130	13,662	92	84	4.150	15,697	42,566	2,712	2,243
43	35	95.638	7.054,803	98.681,710	13,988	13,520	93	85	2.939	10,463	26,870	2,568	2,100
44	36	95.352	6.619,987	91.626,907	13,841	13,373	94	86	2.019	6,765	16,407	2,425	1,957
45	37	95.043	6.210,347	85.006,920	13,688	13,220	95	87	1.333	4,203	9,642	2,294	1,826
46	38	94.692	5.823,473	78.796,573	13,531	13,063	96	88	841	2,497	5,439	2,178	1,710
47	39	94.305	5.458,491	72.973,100	13,369	12,900	97	89	509	1,421	2,942	2,070	1,602
48	40	93.876	5.114,053	67.514,608	13,202	12,733	98	90	293	0,771	1,521	1,971	1,503
49	41	93.411	4.789,406	62.400,555	13,029	12,561	99	91	161	0,399	0,749	1,876	1,408
							100	92	84	0,195	0,350	1,796	1,328

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 9 Jahre

Zinsfuß 6,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	41	92.992	4.487,444	57.825,294	12,886	12,418
1							51	42	92.440	4.198,394	53.337,849	12,704	12,236
2							52	43	91.857	3.926,537	49.139,455	12,515	12,046
3							53	44	91.200	3.669,122	45.212,918	12,323	11,854
4							54	45	90.501	3.426,808	41.543,797	12,123	11,655
5							55	46	89.744	3.198,251	38.116,988	11,918	11,450
6							56	47	88.912	2.982,221	34.918,737	11,709	11,241
7							57	48	88.044	2.779,400	31.936,516	11,490	11,022
8							58	49	87.097	2.587,773	29.157,116	11,267	10,799
9	0	99.403	57.602,039	944.892,280	16,404	15,935	59	50	86.060	2.406,535	26.569,343	11,040	10,572
10	1	99.016	54.002,784	887.290,241	16,430	15,962	60	51	84.940	2.235,504	24.162,808	10,809	10,340
11	2	98.971	50.803,172	833.287,457	16,402	15,934	61	52	83.750	2.074,538	21.927,305	10,570	10,101
12	3	98.937	47.798,390	782.484,285	16,371	15,902	62	53	82.494	1.923,223	19.852,766	10,323	9,854
13	4	98.908	44.973,125	734.685,894	16,336	15,868	63	54	81.126	1.780,072	17.929,544	10,072	9,604
14	5	98.882	42.316,692	689.712,770	16,299	15,830	64	55	79.676	1.645,408	16.149,472	9,815	9,347
15	6	98.851	39.814,922	647.396,077	16,260	15,792	65	56	78.121	1.518,408	14.504,063	9,552	9,084
16	7	98.818	37.460,576	607.581,155	16,219	15,751	66	57	76.445	1.398,425	12.985,656	9,286	8,818
17	8	98.772	35.240,440	570.120,579	16,178	15,710	67	58	74.648	1.285,219	11.587,231	9,016	8,547
18	9	98.712	33.147,479	534.880,139	16,136	15,668	68	59	72.697	1.178,007	10.302,012	8,745	8,277
19	10	98.631	31.171,950	501.732,660	16,096	15,627	69	60	70.617	1.077,000	9.124,005	8,472	8,003
20	11	98.543	29.312,211	470.560,710	16,053	15,585	70	61	68.420	982,108	8.047,006	8,194	7,725
21	12	98.459	27.564,404	441.248,499	16,008	15,540	71	62	66.095	892,923	7.064,898	7,912	7,444
22	13	98.374	25.920,425	413.684,095	15,960	15,491	72	63	63.611	808,811	6.171,975	7,631	7,163
23	14	98.290	24.374,939	387.763,670	15,908	15,440	73	64	60.954	729,439	5.363,163	7,352	6,884
24	15	98.206	22.921,444	363.388,730	15,854	15,385	74	65	58.161	655,079	4.633,724	7,074	6,605
25	16	98.117	21.553,619	340.467,287	15,796	15,328	75	66	55.237	585,547	3.978,645	6,795	6,326
26	17	98.024	20.266,628	318.913,668	15,736	15,268	76	67	52.206	520,862	3.393,098	6,514	6,046
27	18	97.933	19.056,638	298.647,040	15,672	15,203	77	68	49.098	461,034	2.872,236	6,230	5,762
28	19	97.834	17.917,678	279.590,402	15,604	15,136	78	69	45.879	405,472	2.411,202	5,947	5,478
29	20	97.735	16.846,630	261.672,724	15,533	15,064	79	70	42.545	353,882	2.005,730	5,668	5,199
30	21	97.636	15.839,496	244.826,093	15,457	14,988	80	71	39.147	306,467	1.651,849	5,390	4,922
31	22	97.541	14.893,225	228.986,598	15,375	14,907	81	72	35.650	262,674	1.345,382	5,122	4,654
32	23	97.437	14.002,292	214.093,373	15,290	14,822	82	73	32.133	222,833	1.082,708	4,859	4,390
33	24	97.332	13.164,395	200.091,081	15,199	14,731	83	74	28.524	186,168	859,875	4,619	4,150
34	25	97.220	12.375,787	186.926,686	15,104	14,636	84	75	25.034	153,782	673,706	4,381	3,913
35	26	97.104	11.633,812	174.550,899	15,004	14,535	85	76	21.696	125,437	519,925	4,145	3,677
36	27	96.975	10.934,949	162.917,087	14,899	14,430	86	77	18.620	101,319	394,487	3,894	3,425
37	28	96.837	10.277,103	151.982,138	14,788	14,320	87	78	15.628	80,036	293,168	3,663	3,195
38	29	96.691	9.658,014	141.705,035	14,672	14,204	88	79	12.789	61,643	213,132	3,458	2,989
39	30	96.530	9.074,713	132.047,021	14,551	14,083	89	80	10.223	46,379	151,489	3,266	2,798
40	31	96.349	8.524,951	122.972,308	14,425	13,957	90	81	7.977	34,058	105,110	3,086	2,618
41	32	96.149	8.006,804	114.447,357	14,294	13,825	91	82	6.071	24,396	71,052	2,912	2,444
42	33	95.932	7.518,825	106.440,553	14,157	13,688	92	83	4.471	16,909	46,656	2,759	2,291
43	34	95.683	7.058,112	98.921,728	14,015	13,547	93	84	3.196	11,377	29,748	2,615	2,146
44	35	95.401	6.623,378	91.863,616	13,870	13,401	94	85	2.211	7,408	18,371	2,480	2,011
45	36	95.096	6.213,860	85.240,238	13,718	13,249	95	86	1.482	4,674	10,962	2,345	1,877
46	37	94.750	5.827,047	79.026,378	13,562	13,094	96	87	954	2,830	6,288	2,222	1,753
47	38	94.371	5.462,312	73.199,331	13,401	12,932	97	88	586	1,636	3,458	2,113	1,645
48	39	93.951	5.118,149	67.737,019	13,235	12,766	98	89	345	0,906	1,821	2,011	1,543
49	40	93.493	4.793,576	62.618,870	13,063	12,595	99	90	193	0,477	0,916	1,918	1,450
							100	91	103	0,240	0,438	1,828	1,360

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 10 Jahre

Zinsfuß 6,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	40	93.073	4.491,352	58.021,455	12,918	12,450
1							51	41	92.531	4.202,548	53.530,104	12,738	12,269
2							52	42	91.961	3.930,958	49.327,555	12,548	12,080
3							53	43	91.319	3.673,890	45.396,597	12,357	11,888
4							54	44	90.627	3.431,585	41.722,707	12,158	11,690
5							55	45	89.886	3.203,332	38.291,122	11,954	11,485
6							56	46	89.072	2.987,587	35.087,790	11,745	11,276
7							57	47	88.216	2.784,815	32.100,203	11,527	11,059
8							58	48	87.282	2.593,271	29.315,388	11,304	10,836
9							59	49	86.267	2.412,340	26.722,117	11,077	10,609
10	0	99.393	54.208,611	887.849,637	16,378	15,910	60	50	85.155	2.241,166	24.309,777	10,847	10,379
11	1	99.007	50.821,374	833.641,027	16,403	15,935	61	51	83.984	2.080,316	22.068,610	10,608	10,140
12	2	98.957	47.807,843	782.819,653	16,374	15,906	62	52	82.744	1.929,055	19.988,295	10,362	9,893
13	3	98.924	44.980,846	735.011,811	16,341	15,872	63	53	81.383	1.785,710	18.059,240	10,113	9,645
14	4	98.895	42.322,159	690.030,965	16,304	15,836	64	54	79.954	1.651,151	16.273,529	9,856	9,388
15	5	98.864	39.820,127	647.708,807	16,266	15,798	65	55	78.418	1.524,180	14.622,378	9,594	9,125
16	6	98.827	37.464,028	607.888,679	16,226	15,758	66	56	76.753	1.404,062	13.098,199	9,329	8,860
17	7	98.780	35.243,509	570.424,651	16,185	15,717	67	57	74.982	1.290,980	11.694,137	9,058	8,590
18	8	98.722	33.150,661	535.181,142	16,144	15,676	68	58	73.049	1.183,707	10.403,156	8,789	8,320
19	9	98.637	31.173,964	502.030,480	16,104	15,636	69	59	70.978	1.082,503	9.219,449	8,517	8,048
20	10	98.552	29.314,676	470.856,516	16,062	15,594	70	60	68.799	987,543	8.136,946	8,240	7,771
21	11	98.468	27.566,989	441.541,840	16,017	15,549	71	61	66.469	897,976	7.149,403	7,962	7,493
22	12	98.382	25.922,627	413.974,851	15,970	15,501	72	62	64.014	813,933	6.251,427	7,681	7,212
23	13	98.299	24.377,301	388.052,224	15,919	15,450	73	63	61.371	734,435	5.437,493	7,404	6,935
24	14	98.217	22.924,115	363.674,923	15,864	15,396	74	64	58.590	659,905	4.703,058	7,127	6,659
25	15	98.134	21.557,471	340.750,808	15,807	15,338	75	65	55.692	590,369	4.043,154	6,849	6,380
26	16	98.045	20.270,921	319.193,337	15,746	15,278	76	66	52.683	525,623	3.452,785	6,569	6,101
27	17	97.954	19.060,832	298.922,416	15,683	15,214	77	67	49.602	465,768	2.927,162	6,285	5,816
28	18	97.863	17.922,833	279.861,585	15,615	15,146	78	68	46.410	410,163	2.461,394	6,001	5,533
29	19	97.763	16.851,302	261.938,752	15,544	15,076	79	69	43.094	358,455	2.051,231	5,722	5,254
30	20	97.667	15.844,500	245.087,450	15,468	15,000	80	70	39.711	310,885	1.692,776	5,445	4,977
31	21	97.565	14.896,870	229.242,950	15,389	14,920	81	71	36.238	267,003	1.381,891	5,176	4,707
32	22	97.464	14.006,084	214.346,080	15,304	14,835	82	72	32.723	226,924	1.114,888	4,913	4,445
33	23	97.357	13.167,831	200.339,997	15,214	14,746	83	73	29.117	190,400	887,963	4,673	4,204
34	24	97.247	12.379,150	187.172,166	15,120	14,652	84	74	25.617	157,363	697,924	4,435	3,967
35	25	97.127	11.636,675	174.793,016	15,021	14,553	85	75	22.274	128,776	540,560	4,198	3,729
36	26	97.002	10.938,011	163.156,341	14,916	14,448	86	76	19.175	104,340	411,784	3,947	3,478
37	27	96.865	10.280,099	152.218,329	14,807	14,339	87	77	16.154	82,727	307,444	3,716	3,248
38	28	96.720	9.660,882	141.938,230	14,692	14,224	88	78	13.281	64,016	224,717	3,510	3,042
39	29	96.558	9.077,370	132.277,349	14,572	14,104	89	79	10.672	48,415	160,701	3,319	2,851
40	30	96.381	8.527,743	123.199,978	14,447	13,979	90	80	8.385	35,802	112,286	3,136	2,668
41	31	96.184	8.009,665	114.672,236	14,317	13,848	91	81	6.429	25,836	76,483	2,960	2,492
42	32	95.967	7.521,500	106.662,571	14,181	13,713	92	82	4.780	18,077	50,648	2,802	2,333
43	33	95.721	7.060,934	99.141,071	14,041	13,572	93	83	3.443	12,255	32,571	2,658	2,189
44	34	95.446	6.626,484	92.080,137	13,896	13,427	94	84	2.405	8,056	20,316	2,522	2,054
45	35	95.145	6.217,043	85.453,653	13,745	13,277	95	85	1.623	5,119	12,260	2,395	1,927
46	36	94.804	5.830,343	79.236,610	13,590	13,122	96	86	1.061	3,148	7,141	2,269	1,800
47	37	94.428	5.465,664	73.406,266	13,430	12,962	97	87	664	1,855	3,994	2,153	1,684
48	38	94.017	5.121,731	67.940,602	13,265	12,797	98	88	397	1,043	2,138	2,050	1,582
49	39	93.568	4.797,416	62.818,871	13,094	12,626	99	89	227	0,561	1,096	1,954	1,486
							100	90	123	0,287	0,535	1,867	1,399

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 11 Jahre

Zinsfuß 6,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	39	93.148	4.494,949	58.201,125	12,948	12,480
1							51	40	92.612	4.206,208	53.706,176	12,768	12,300
2							52	41	92.052	3.934,848	49.499,968	12,580	12,112
3							53	42	91.422	3.678,027	45.565,121	12,388	11,920
4							54	43	90.745	3.436,045	41.887,094	12,190	11,722
5							55	44	90.012	3.207,797	38.451,049	11,987	11,518
6							56	45	89.213	2.992,333	35.243,252	11,778	11,309
7							57	46	88.374	2.789,826	32.250,919	11,560	11,092
8							58	47	87.452	2.598,324	29.461,093	11,338	10,870
9							59	48	86.451	2.417,465	26.862,770	11,112	10,644
10							60	49	85.360	2.246,573	24.445,304	10,881	10,413
11	0	99.384	51.015,075	834.158,789	16,351	15,883	61	50	84.196	2.085,585	22.198,731	10,644	10,176
12	1	98.992	47.824,971	783.143,714	16,375	15,907	62	51	82.975	1.934,427	20.113,146	10,397	9,929
13	2	98.944	44.989,741	735.318,744	16,344	15,876	63	52	81.630	1.791,125	18.178,719	10,149	9,681
14	3	98.912	42.329,424	690.329,003	16,308	15,840	64	53	80.207	1.656,381	16.387,593	9,894	9,425
15	4	98.876	39.825,271	647.999,579	16,271	15,803	65	54	78.692	1.529,500	14.731,212	9,631	9,163
16	5	98.840	37.468,926	608.174,308	16,231	15,763	66	55	77.045	1.409,399	13.201,712	9,367	8,899
17	6	98.790	35.246,757	570.705,381	16,192	15,723	67	56	75.285	1.296,184	11.792,313	9,098	8,629
18	7	98.730	33.153,549	535.458,624	16,151	15,683	68	57	73.376	1.189,014	10.496,129	8,828	8,359
19	8	98.647	31.176,957	502.305,076	16,111	15,643	69	58	71.322	1.087,741	9.307,115	8,556	8,088
20	9	98.558	29.316,571	471.128,119	16,070	15,602	70	59	69.151	992,589	8.219,374	8,281	7,812
21	10	98.477	27.569,308	441.811,548	16,025	15,557	71	60	66.837	902,946	7.226,785	8,004	7,535
22	11	98.391	25.925,058	414.242,241	15,978	15,510	72	61	64.376	818,540	6.323,839	7,726	7,257
23	12	98.308	24.379,372	388.317,182	15,928	15,460	73	62	61.760	739,086	5.505,299	7,449	6,980
24	13	98.227	22.926,336	363.937,811	15,874	15,406	74	63	58.991	664,424	4.766,213	7,173	6,705
25	14	98.146	21.559,983	341.011,474	15,817	15,349	75	64	56.102	594,718	4.101,789	6,897	6,429
26	15	98.063	20.274,543	319.451,492	15,756	15,288	76	65	53.117	529,951	3.507,071	6,618	6,149
27	16	97.975	19.064,869	299.176,949	15,693	15,224	77	66	50.055	470,025	2.977,120	6,334	5,866
28	17	97.884	17.926,777	280.112,079	15,625	15,157	78	67	46.887	414,375	2.507,095	6,050	5,582
29	18	97.791	16.856,149	262.185,302	15,554	15,086	79	68	43.593	362,602	2.092,720	5,771	5,303
30	19	97.694	15.848,894	245.329,153	15,479	15,011	80	69	40.225	314,903	1.730,118	5,494	5,026
31	20	97.595	14.901,576	229.480,259	15,400	14,931	81	70	36.760	270,853	1.415,215	5,225	4,757
32	21	97.488	14.009,511	214.578,683	15,317	14,848	82	71	33.262	230,664	1.144,362	4,961	4,493
33	22	97.384	13.171,397	200.569,172	15,228	14,759	83	72	29.652	193,529	913,698	4,721	4,253
34	23	97.272	12.382,381	187.397,775	15,134	14,666	84	73	26.150	160,636	720,169	4,483	4,015
35	24	97.154	11.639,837	175.015,394	15,036	14,568	85	74	22.793	131,776	559,533	4,246	3,778
36	25	97.026	10.940,703	163.375,557	14,933	14,464	86	75	19.686	107,117	427,758	3,993	3,525
37	26	96.892	10.282,978	152.434,853	14,824	14,356	87	76	16.635	85,194	320,641	3,764	3,295
38	27	96.748	9.663,698	142.151,875	14,710	14,242	88	77	13.728	66,168	235,447	3,558	3,090
39	28	96.587	9.080,065	132.488,177	14,591	14,123	89	78	11.083	50,279	169,278	3,367	2,898
40	29	96.409	8.530,240	123.408,112	14,467	13,999	90	79	8.753	37,374	119,000	3,184	2,716
41	30	96.215	8.012,288	114.877,872	14,338	13,869	91	80	6.758	27,159	81,625	3,005	2,537
42	31	96.001	7.524,187	106.865,584	14,203	13,735	92	81	5.062	19,144	54,466	2,845	2,377
43	32	95.755	7.063,445	99.341,397	14,064	13,596	93	82	3.681	13,102	35,322	2,696	2,228
44	33	95.484	6.629,133	92.277,951	13,920	13,452	94	83	2.590	8,678	22,221	2,561	2,092
45	34	95.190	6.219,959	85.648,818	13,770	13,302	95	84	1.765	5,566	13,543	2,433	1,965
46	35	94.852	5.833,330	79.428,859	13,616	13,148	96	85	1.161	3,447	7,977	2,314	1,846
47	36	94.482	5.468,756	73.595,529	13,457	12,989	97	86	739	2,063	4,530	2,196	1,727
48	37	94.075	5.124,874	68.126,773	13,293	12,825	98	87	450	1,182	2,467	2,087	1,618
49	38	93.633	4.800,774	63.001,899	13,123	12,655	99	88	261	0,645	1,285	1,991	1,522
							100	89	144	0,336	0,639	1,900	1,432

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 12 Jahre

Zinsfuß 6,25%

Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	38	93.213	4.498,095	58.365,517	12,976	12,507
1							51	39	92.686	4.209,576	53.867,422	12,796	12,328
2							52	40	92.132	3.938,274	49.657,846	12,609	12,141
3							53	41	91.512	3.681,666	45.719,572	12,418	11,950
4							54	42	90.847	3.439,914	42.037,905	12,221	11,752
5							55	43	90.129	3.211,966	38.597,992	12,017	11,549
6							56	44	89.338	2.996,504	35.386,026	11,809	11,341
7							57	45	88.515	2.794,258	32.389,522	11,591	11,123
8							58	46	87.610	2.602,999	29.595,264	11,370	10,901
9							59	47	86.619	2.422,176	26.992,265	11,144	10,675
10							60	48	85.542	2.251,346	24.570,090	10,914	10,445
11							61	49	84.399	2.090,617	22.318,744	10,676	10,207
12	0	99.370	48.007,251	783.622,991	16,323	15,855	62	50	83.185	1.939,327	20.228,127	10,430	9,962
13	1	98.980	45.005,859	735.615,740	16,345	15,877	63	51	81.857	1.796,114	18.288,800	10,182	9,714
14	2	98.931	42.337,795	690.609,881	16,312	15,844	64	52	80.450	1.661,404	16.492,687	9,927	9,459
15	3	98.893	39.832,108	648.272,086	16,275	15,807	65	53	78.941	1.534,344	14.831,282	9,666	9,198
16	4	98.853	37.473,766	608.439,978	16,236	15,768	66	54	77.314	1.414,318	13.296,938	9,402	8,933
17	5	98.802	35.251,365	570.966,211	16,197	15,729	67	55	75.571	1.301,111	11.882,620	9,133	8,664
18	6	98.740	33.156,604	535.714,847	16,157	15,689	68	56	73.672	1.193,807	10.581,508	8,864	8,395
19	7	98.656	31.179,672	502.558,242	16,118	15,650	69	57	71.642	1.092,617	9.387,702	8,592	8,124
20	8	98.567	29.319,385	471.378,570	16,077	15,609	70	58	69.485	997,393	8.295,084	8,317	7,848
21	9	98.483	27.571,089	442.059,185	16,033	15,565	71	59	67.178	907,560	7.297,692	8,041	7,573
22	10	98.400	25.927,238	414.488,096	15,987	15,518	72	60	64.732	823,070	6.390,132	7,764	7,295
23	11	98.317	24.381,658	388.560,858	15,937	15,468	73	61	62.110	743,269	5.567,062	7,490	7,022
24	12	98.235	22.928,284	364.179,199	15,883	15,415	74	62	59.365	668,631	4.823,793	7,214	6,746
25	13	98.155	21.562,072	341.250,916	15,826	15,358	75	63	56.487	598,791	4.155,161	6,939	6,471
26	14	98.074	20.276,906	319.688,844	15,766	15,298	76	64	53.508	533,855	3.556,371	6,662	6,193
27	15	97.992	19.068,276	299.411,938	15,702	15,234	77	65	50.467	473,895	3.022,516	6,378	5,910
28	16	97.905	17.930,574	280.343,662	15,635	15,167	78	66	47.315	418,162	2.548,620	6,095	5,626
29	17	97.812	16.859,859	262.413,088	15,564	15,096	79	67	44.041	366,326	2.130,458	5,816	5,347
30	18	97.722	15.853,453	245.553,229	15,489	15,021	80	68	40.690	318,546	1.764,132	5,538	5,070
31	19	97.622	14.905,708	229.699,776	15,410	14,942	81	69	37.235	274,353	1.445,586	5,269	4,801
32	20	97.518	14.013,938	214.794,068	15,327	14,859	82	70	33.742	233,990	1.171,233	5,005	4,537
33	21	97.408	13.174,620	200.780,130	15,240	14,772	83	71	30.140	196,718	937,243	4,764	4,296
34	22	97.298	12.385,734	187.605,510	15,147	14,679	84	72	26.630	163,585	740,525	4,527	4,058
35	23	97.179	11.642,875	175.219,775	15,050	14,581	85	73	23.267	134,516	576,940	4,289	3,821
36	24	97.052	10.943,677	163.576,900	14,947	14,479	86	74	20.144	109,612	442,423	4,036	3,568
37	25	96.916	10.285,509	152.633,224	14,840	14,371	87	75	17.078	87,461	332,811	3,805	3,337
38	26	96.775	9.666,404	142.347,715	14,726	14,258	88	76	14.137	68,141	245,350	3,601	3,132
39	27	96.615	9.082,712	132.681,311	14,608	14,140	89	77	11.456	51,969	177,209	3,410	2,942
40	28	96.438	8.532,772	123.598,598	14,485	14,017	90	78	9.090	38,813	125,240	3,227	2,758
41	29	96.243	8.014,634	115.065,826	14,357	13,889	91	79	7.055	28,351	86,427	3,048	2,580
42	30	96.032	7.526,652	107.051,192	14,223	13,755	92	80	5.321	20,124	58,075	2,886	2,417
43	31	95.789	7.065,969	99.524,540	14,085	13,617	93	81	3.898	13,875	37,951	2,735	2,267
44	32	95.518	6.631,491	92.458,571	13,942	13,474	94	82	2.769	9,277	24,076	2,595	2,127
45	33	95.228	6.222,446	85.827,079	13,793	13,325	95	83	1.901	5,996	14,799	2,468	2,000
46	34	94.897	5.836,066	79.604,634	13,640	13,172	96	84	1.263	3,748	8,803	2,349	1,880
47	35	94.530	5.471,558	73.768,568	13,482	13,014	97	85	809	2,259	5,055	2,237	1,769
48	36	94.128	5.127,774	68.297,010	13,319	12,851	98	86	500	1,315	2,796	2,126	1,658
49	37	93.691	4.803,719	63.169,237	13,150	12,682	99	87	296	0,732	1,481	2,024	1,555
							100	88	166	0,387	0,749	1,934	1,465

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 13 Jahre

Zinsfuß 6,25%

Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	37	93.270	4.500,855	58.515,794	13,001	12,533
1							51	38	92.751	4.212,523	54.014,938	12,822	12,354
2							52	39	92.206	3.941,428	49.802,415	12,636	12,167
3							53	40	91.592	3.684,872	45.860,987	12,446	11,977
4							54	41	90.937	3.443,317	42.176,115	12,249	11,780
5							55	42	90.230	3.215,583	38.732,798	12,045	11,577
6							56	43	89.454	3.000,398	35.517,215	11,837	11,369
7							57	44	88.638	2.798,153	32.516,817	11,621	11,152
8							58	45	87.749	2.607,134	29.718,664	11,399	10,931
9							59	46	86.775	2.426,534	27.111,530	11,173	10,705
10							60	47	85.709	2.255,732	24.684,997	10,943	10,475
11							61	48	84.579	2.095,058	22.429,264	10,706	10,237
12							62	49	83.386	1.944,006	20.334,206	10,460	9,992
13	0	99.357	45.177,395	736.059,458	16,293	15,824	63	50	82.065	1.800,663	18.390,200	10,213	9,745
14	1	98.967	42.352,963	690.882,063	16,312	15,844	64	51	80.674	1.666,031	16.589,537	9,958	9,489
15	2	98.913	39.839,985	648.529,100	16,278	15,810	65	52	79.181	1.538,997	14.923,506	9,697	9,229
16	3	98.870	37.480,200	608.689,115	16,240	15,772	66	53	77.559	1.418,798	13.384,509	9,434	8,965
17	4	98.815	35.255,918	571.208,915	16,202	15,733	67	54	75.834	1.305,653	11.965,711	9,165	8,696
18	5	98.752	33.160,939	535.952,997	16,162	15,694	68	55	73.952	1.198,345	10.660,058	8,896	8,427
19	6	98.665	31.182,546	502.792,058	16,124	15,656	69	56	71.930	1.097,022	9.461,713	8,625	8,157
20	7	98.576	29.321,939	471.609,512	16,084	15,615	70	57	69.797	1.001,864	8.364,692	8,349	7,881
21	8	98.493	27.573,736	442.287,574	16,040	15,572	71	58	67.504	911,952	7.362,828	8,074	7,605
22	9	98.406	25.928,914	414.713,838	15,994	15,526	72	59	65.063	827,276	6.450,876	7,798	7,329
23	10	98.325	24.383,709	388.784,924	15,944	15,476	73	60	62.453	747,382	5.623,600	7,524	7,056
24	11	98.244	22.930,434	364.401,215	15,892	15,423	74	61	59.701	672,415	4.876,218	7,252	6,783
25	12	98.164	21.563,903	341.470,781	15,835	15,367	75	62	56.844	602,583	4.203,803	6,976	6,508
26	13	98.084	20.278,871	319.906,878	15,775	15,307	76	63	53.875	537,511	3.601,220	6,700	6,231
27	14	98.004	19.070,498	299.628,007	15,712	15,243	77	64	50.839	477,386	3.063,709	6,418	5,949
28	15	97.922	17.933,778	280.557,509	15,644	15,176	78	65	47.705	421,606	2.586,322	6,134	5,666
29	16	97.833	16.863,430	262.623,730	15,574	15,105	79	66	44.443	369,674	2.164,717	5,856	5,387
30	17	97.743	15.856,942	245.760,300	15,499	15,030	80	67	41.108	321,818	1.795,043	5,578	5,109
31	18	97.651	14.909,996	229.903,358	15,419	14,951	81	68	37.666	277,527	1.473,225	5,308	4,840
32	19	97.545	14.017,824	214.993,362	15,337	14,869	82	69	34.178	237,014	1.195,698	5,045	4,576
33	20	97.438	13.178,783	200.975,539	15,250	14,782	83	70	30.575	199,555	958,684	4,804	4,336
34	21	97.322	12.388,766	187.796,756	15,159	14,690	84	71	27.069	166,281	759,130	4,565	4,097
35	22	97.205	11.646,028	175.407,990	15,062	14,593	85	72	23.694	136,986	592,849	4,328	3,859
36	23	97.077	10.946,533	163.761,962	14,960	14,492	86	73	20.563	111,891	455,863	4,074	3,606
37	24	96.943	10.288,304	152.815,430	14,853	14,385	87	74	17.476	89,498	343,971	3,843	3,375
38	25	96.799	9.668,783	142.527,126	14,741	14,273	88	75	14.513	69,955	254,473	3,638	3,169
39	26	96.642	9.085,256	132.858,342	14,624	14,155	89	76	11.797	53,519	184,518	3,448	2,979
40	27	96.466	8.535,260	123.773,086	14,501	14,033	90	77	9.396	40,118	130,999	3,265	2,797
41	28	96.272	8.017,014	115.237,827	14,374	13,906	91	78	7.327	29,443	90,881	3,087	2,618
42	29	96.060	7.528,855	107.220,813	14,241	13,773	92	79	5.555	21,008	61,439	2,925	2,456
43	30	95.820	7.068,284	99.691,957	14,104	13,636	93	80	4.098	14,586	40,431	2,772	2,304
44	31	95.552	6.633,861	92.623,674	13,962	13,494	94	81	2.933	9,825	25,845	2,631	2,162
45	32	95.262	6.224,659	85.989,813	13,814	13,346	95	82	2.033	6,410	16,020	2,499	2,031
46	33	94.935	5.838,399	79.765,154	13,662	13,194	96	83	1.360	4,037	9,610	2,380	1,912
47	34	94.575	5.474,124	73.926,755	13,505	13,036	97	84	880	2,457	5,573	2,268	1,800
48	35	94.176	5.130,400	68.452,631	13,343	12,874	98	85	548	1,440	3,116	2,164	1,696
49	36	93.744	4.806,437	63.322,231	13,174	12,706	99	86	329	0,814	1,676	2,060	1,592
							100	87	189	0,439	0,862	1,964	1,496

Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente nach der Sterbetafel 2002/2004

Altersdifferenz zwischen Mann und Frau (x - y) = 14 Jahre

Zinsfuß 6,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	36	93.323	4.503,402	58.653,172	13,024	12,556
1							51	37	92.808	4.215,108	54.149,771	12,847	12,378
2							52	38	92.270	3.944,187	49.934,663	12,660	12,192
3							53	39	91.665	3.687,823	45.990,476	12,471	12,003
4							54	40	91.016	3.446,316	42.302,653	12,275	11,806
5							55	41	90.319	3.218,764	38.856,337	12,072	11,603
6							56	42	89.555	3.003,777	35.637,572	11,864	11,396
7							57	43	88.753	2.801,789	32.633,796	11,647	11,179
8							58	44	87.871	2.610,768	29.832,006	11,427	10,958
9							59	45	86.913	2.430,388	27.221,239	11,200	10,732
10							60	46	85.863	2.259,791	24.790,850	10,970	10,502
11							61	47	84.744	2.099,140	22.531,059	10,733	10,265
12							62	48	83.563	1.948,136	20.431,919	10,488	10,020
13							63	49	82.263	1.805,007	18.483,783	10,240	9,772
14	0	99.344	42.514,388	691.292,925	16,260	15,792	64	50	80.879	1.670,251	16.678,776	9,986	9,517
15	1	98.948	39.854,259	648.778,537	16,279	15,810	65	51	79.401	1.543,283	15.008,525	9,725	9,257
16	2	98.890	37.487,612	608.924,279	16,243	15,775	66	52	77.794	1.423,101	13.465,242	9,462	8,994
17	3	98.832	35.261,971	571.436,667	16,205	15,737	67	53	76.075	1.309,788	12.042,141	9,194	8,726
18	4	98.765	33.165,222	536.174,696	16,167	15,698	68	54	74.210	1.202,527	10.732,353	8,925	8,456
19	5	98.678	31.186,622	503.009,474	16,129	15,661	69	55	72.204	1.101,192	9.529,825	8,654	8,186
20	6	98.585	29.324,641	471.822,851	16,090	15,621	70	56	70.078	1.005,902	8.428,634	8,379	7,911
21	7	98.501	27.576,138	442.498,211	16,046	15,578	71	57	67.806	916,040	7.422,731	8,103	7,635
22	8	98.415	25.931,403	414.922,073	16,001	15,532	72	58	65.378	831,279	6.506,691	7,827	7,359
23	9	98.332	24.385,284	388.990,670	15,952	15,484	73	59	62.772	751,201	5.675,412	7,555	7,087
24	10	98.252	22.932,362	364.605,386	15,899	15,431	74	60	60.031	676,137	4.924,211	7,283	6,815
25	11	98.173	21.565,926	341.673,023	15,843	15,375	75	61	57.166	605,993	4.248,074	7,010	6,542
26	12	98.092	20.280,593	320.107,097	15,784	15,316	76	62	54.216	540,915	3.642,081	6,733	6,265
27	13	98.013	19.072,346	299.826,504	15,720	15,252	77	63	51.187	480,656	3.101,166	6,452	5,984
28	14	97.934	17.935,868	280.754,158	15,653	15,185	78	64	48.056	424,712	2.620,510	6,170	5,702
29	15	97.850	16.866,444	262.818,290	15,582	15,114	79	65	44.809	372,718	2.195,799	5,891	5,423
30	16	97.764	15.860,301	245.951,846	15,507	15,039	80	66	41.484	324,759	1.823,081	5,614	5,145
31	17	97.672	14.913,277	230.091,545	15,429	14,960	81	67	38.053	280,377	1.498,322	5,344	4,876
32	18	97.573	14.021,856	215.178,268	15,346	14,878	82	68	34.573	239,756	1.217,945	5,080	4,612
33	19	97.465	13.182,437	201.156,412	15,259	14,791	83	69	30.970	202,133	978,189	4,839	4,371
34	20	97.353	12.392,680	187.973,975	15,168	14,700	84	70	27.459	168,679	776,055	4,601	4,132
35	21	97.229	11.648,878	175.581,295	15,073	14,604	85	71	24.084	139,243	607,377	4,362	3,894
36	22	97.104	10.949,497	163.932,417	14,972	14,503	86	72	20.940	113,946	468,133	4,108	3,640
37	23	96.968	10.290,989	152.982,920	14,866	14,397	87	73	17.839	91,360	354,188	3,877	3,408
38	24	96.825	9.671,411	142.691,931	14,754	14,286	88	74	14.851	71,584	262,828	3,672	3,203
39	25	96.666	9.087,492	133.020,520	14,638	14,169	89	75	12.111	54,943	191,244	3,481	3,012
40	26	96.493	8.537,650	123.933,028	14,516	14,048	90	76	9.676	41,314	136,301	3,299	2,831
41	27	96.300	8.019,351	115.395,378	14,390	13,921	91	77	7.573	30,433	94,986	3,121	2,653
42	28	96.089	7.531,091	107.376,027	14,258	13,789	92	78	5.768	21,817	64,554	2,959	2,491
43	29	95.849	7.070,353	99.844,936	14,122	13,653	93	79	4.277	15,226	42,737	2,807	2,338
44	30	95.583	6.636,034	92.774,583	13,980	13,512	94	80	3.083	10,328	27,511	2,664	2,195
45	31	95.296	6.226,883	86.138,549	13,833	13,365	95	81	2.153	6,788	17,183	2,531	2,063
46	32	94.968	5.840,476	79.911,666	13,682	13,214	96	82	1.454	4,316	10,395	2,408	1,940
47	33	94.612	5.476,312	74.071,190	13,526	13,057	97	83	947	2,646	6,078	2,297	1,829
48	34	94.220	5.132,807	68.594,878	13,364	12,896	98	84	596	1,566	3,432	2,192	1,724
49	35	93.792	4.808,899	63.462,072	13,197	12,728	99	85	360	0,891	1,866	2,095	1,626
							100	86	210	0,488	0,975	1,997	1,529

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 15 Jahre

Zinsfuß 6,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	35	93.371	4.505,709	58.778,728	13,045	12,577
1							51	36	92.860	4.217,493	54.273,020	12,869	12,400
2							52	37	92.327	3.946,607	50.055,527	12,683	12,215
3							53	38	91.729	3.690,405	46.108,920	12,494	12,026
4							54	39	91.089	3.449,076	42.418,515	12,299	11,830
5							55	40	90.398	3.221,567	38.969,439	12,096	11,628
6							56	41	89.643	3.006,749	35.747,872	11,889	11,421
7							57	42	88.853	2.804,944	32.741,123	11,673	11,204
8							58	43	87.985	2.614,161	29.936,179	11,452	10,983
9							59	44	87.034	2.433,776	27.322,018	11,226	10,758
10							60	45	85.999	2.263,381	24.888,242	10,996	10,528
11							61	46	84.896	2.102,917	22.624,861	10,759	10,290
12							62	47	83.726	1.951,931	20.521,944	10,514	10,045
13							63	48	82.437	1.808,842	18.570,013	10,266	9,798
14							64	49	81.074	1.674,281	16.761,171	10,011	9,543
15	0	99.326	40.006,159	649.159,030	16,226	15,758	65	50	79.602	1.547,192	15.086,890	9,751	9,283
16	1	98.925	37.501,042	609.152,871	16,244	15,775	66	51	78.011	1.427,064	13.539,698	9,488	9,019
17	2	98.852	35.268,944	571.651,829	16,208	15,740	67	52	76.305	1.313,760	12.112,634	9,220	8,751
18	3	98.782	33.170,916	536.382,884	16,170	15,702	68	53	74.445	1.206,337	10.798,874	8,952	8,483
19	4	98.690	31.190,651	503.211,968	16,133	15,665	69	54	72.456	1.105,035	9.592,537	8,681	8,212
20	5	98.598	29.328,475	472.021,318	16,094	15,626	70	55	70.344	1.009,726	8.487,502	8,406	7,937
21	6	98.510	27.578,679	442.692,843	16,052	15,584	71	56	68.079	919,733	7.477,776	8,130	7,662
22	7	98.424	25.933,662	415.114,164	16,007	15,538	72	57	65.671	835,006	6.558,043	7,854	7,386
23	8	98.341	24.387,625	389.180,502	15,958	15,490	73	58	63.076	754,836	5.723,038	7,582	7,113
24	9	98.259	22.933,844	364.792,877	15,906	15,438	74	59	60.338	679,592	4.968,202	7,311	6,842
25	10	98.181	21.567,739	341.859,033	15,850	15,382	75	60	57.482	609,347	4.288,610	7,038	6,570
26	11	98.101	20.282,495	320.291,293	15,792	15,323	76	61	54.523	543,976	3.679,263	6,764	6,295
27	12	98.022	19.073,966	300.008,798	15,729	15,260	77	62	51.511	483,700	3.135,287	6,482	6,014
28	13	97.943	17.937,606	280.934,832	15,662	15,193	78	63	48.386	427,620	2.651,587	6,201	5,732
29	14	97.862	16.868,409	262.997,226	15,591	15,123	79	64	45.139	375,464	2.223,967	5,923	5,455
30	15	97.782	15.863,135	246.128,816	15,516	15,047	80	65	41.825	327,433	1.848,503	5,645	5,177
31	16	97.693	14.916,436	230.265,681	15,437	14,969	81	66	38.401	282,939	1.521,070	5,376	4,908
32	17	97.595	14.024,942	215.349,245	15,355	14,886	82	67	34.928	242,218	1.238,130	5,112	4,643
33	18	97.493	13.186,229	201.324,303	15,268	14,799	83	68	31.328	204,472	995,912	4,871	4,402
34	19	97.380	12.396,116	188.138,074	15,177	14,709	84	69	27.814	170,858	791,440	4,632	4,164
35	20	97.260	11.652,559	175.741,958	15,082	14,613	85	70	24.432	141,251	620,582	4,393	3,925
36	21	97.128	10.952,177	164.089,399	14,982	14,514	86	71	21.286	115,824	479,331	4,138	3,670
37	22	96.994	10.293,776	153.137,222	14,877	14,408	87	72	18.167	93,037	363,507	3,907	3,439
38	23	96.851	9.673,935	142.843,446	14,766	14,297	88	73	15.160	73,073	270,470	3,701	3,233
39	24	96.692	9.089,962	133.169,511	14,650	14,182	89	74	12.393	56,223	197,397	3,511	3,043
40	25	96.517	8.539,751	124.079,550	14,530	14,061	90	75	9.934	42,414	141,174	3,329	2,860
41	26	96.327	8.021,597	115.539,799	14,404	13,935	91	76	7.799	31,340	98,760	3,151	2,683
42	27	96.117	7.533,286	107.518,202	14,272	13,804	92	77	5.962	22,550	67,421	2,990	2,521
43	28	95.877	7.072,452	99.984,916	14,137	13,669	93	78	4.442	15,812	44,870	2,838	2,369
44	29	95.611	6.637,977	92.912,463	13,997	13,529	94	79	3.218	10,781	29,058	2,695	2,227
45	30	95.327	6.228,923	86.274,487	13,851	13,382	95	80	2.263	7,136	18,277	2,561	2,093
46	31	95.002	5.842,563	80.045,564	13,700	13,232	96	81	1.540	4,571	11,141	2,437	1,969
47	32	94.646	5.478,260	74.203,001	13,545	13,077	97	82	1.013	2,829	6,570	2,322	1,854
48	33	94.258	5.134,858	68.724,741	13,384	12,916	98	83	642	1,687	3,740	2,218	1,749
49	34	93.836	4.811,155	63.589,883	13,217	12,749	99	84	392	0,969	2,054	2,120	1,651
							100	85	230	0,535	1,085	2,029	1,560

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 16 Jahre

Zinsfuß 6,25%

Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	34	93.414	4.507,822	58.893,474	13,065	12,596
1							51	35	92.908	4.219,653	54.385,652	12,889	12,420
2							52	36	92.379	3.948,840	50.165,999	12,704	12,236
3							53	37	91.786	3.692,669	46.217,159	12,516	12,048
4							54	38	91.153	3.451,490	42.524,489	12,321	11,852
5							55	39	90.470	3.224,147	39.072,999	12,119	11,651
6							56	40	89.721	3.009,367	35.848,852	11,912	11,444
7							57	41	88.941	2.807,719	32.839,485	11,696	11,228
8							58	42	88.085	2.617,104	30.031,766	11,475	11,007
9							59	43	87.147	2.436,939	27.414,661	11,250	10,781
10							60	44	86.119	2.266,536	24.977,722	11,020	10,552
11							61	45	85.031	2.108,258	22.711,186	10,783	10,314
12							62	46	83.876	1.955,443	20.604,929	10,537	10,069
13							63	47	82.598	1.812,366	18.649,485	10,290	9,822
14							64	48	81.246	1.677,838	16.837,119	10,035	9,567
15							65	49	79.794	1.550,925	15.159,281	9,774	9,306
16	0	99.302	37.643,974	609.505,292	16,191	15,723	66	50	78.208	1.430,679	13.608,356	9,512	9,043
17	1	98.887	35.281,580	571.861,318	16,208	15,740	67	51	76.518	1.317,419	12.177,677	9,244	8,775
18	2	98.802	33.177,476	536.579,738	16,173	15,705	68	52	74.671	1.209,995	10.860,259	8,975	8,507
19	3	98.707	31.196,005	503.402,262	16,137	15,668	69	53	72.685	1.108,535	9.650,264	8,705	8,237
20	4	98.611	29.332,263	472.206,257	16,099	15,630	70	54	70.590	1.013,250	8.541,729	8,430	7,962
21	5	98.523	27.582,285	442.873,994	16,056	15,588	71	55	68.338	923,229	7.528,478	8,155	7,686
22	6	98.433	25.936,052	415.291,709	16,012	15,544	72	56	65.936	838,371	6.605,249	7,879	7,410
23	7	98.350	24.389,749	389.355,657	15,964	15,496	73	57	63.359	758,220	5.766,878	7,606	7,137
24	8	98.268	22.936,046	364.965,908	15,912	15,444	74	58	60.630	682,880	5.008,658	7,335	6,866
25	9	98.187	21.569,133	342.029,862	15,857	15,389	75	59	57.776	612,460	4.325,777	7,063	6,595
26	10	98.109	20.284,201	320.460,729	15,799	15,330	76	60	54.825	546,987	3.713,317	6,789	6,320
27	11	98.031	19.075,755	300.176,528	15,736	15,268	77	61	51.803	486,437	3.166,330	6,509	6,041
28	12	97.952	17.939,130	281.100,773	15,670	15,201	78	62	48.692	430,328	2.679,893	6,228	5,759
29	13	97.871	16.870,044	263.161,643	15,599	15,131	79	63	45.448	378,035	2.249,565	5,951	5,482
30	14	97.793	15.864,983	246.291,599	15,524	15,056	80	64	42.133	329,845	1.871,530	5,674	5,206
31	15	97.710	14.919,102	230.426,616	15,445	14,977	81	65	38.717	285,269	1.541,684	5,404	4,936
32	16	97.616	14.027,913	215.507,514	15,363	14,894	82	66	35.248	244,432	1.256,415	5,140	4,672
33	17	97.515	13.189,131	201.479,601	15,276	14,808	83	67	31.650	206,572	1.011,983	4,899	4,431
34	18	97.408	12.399,682	188.290,470	15,185	14,717	84	68	28.136	172,835	805,411	4,660	4,192
35	19	97.287	11.655,790	175.890,788	15,090	14,622	85	69	24.747	143,076	632,576	4,421	3,953
36	20	97.158	10.955,637	164.234,998	14,991	14,523	86	70	21.592	117,494	489,500	4,166	3,698
37	21	97.018	10.296,295	153.279,361	14,887	14,418	87	71	18.466	94,570	372,006	3,934	3,465
38	22	96.877	9.676,555	142.983,066	14,776	14,308	88	72	15.438	74,414	277,436	3,728	3,260
39	23	96.717	9.092,334	133.306,511	14,661	14,193	89	73	12.651	57,392	203,021	3,537	3,069
40	24	96.543	8.542,072	124.214,177	14,541	14,073	90	74	10.165	43,402	145,629	3,355	2,887
41	25	96.351	8.023,571	115.672,105	14,417	13,948	91	75	8.006	32,174	102,227	3,177	2,709
42	26	96.144	7.535,396	107.648,534	14,286	13,817	92	76	6.140	23,222	70,053	3,017	2,548
43	27	95.905	7.074,514	100.113,138	14,151	13,683	93	77	4.591	16,344	46,831	2,865	2,397
44	28	95.640	6.639,948	93.038,624	14,012	13,544	94	78	3.342	11,196	30,487	2,723	2,255
45	29	95.355	6.230,746	86.398,677	13,867	13,398	95	79	2.362	7,449	19,290	2,590	2,121
46	30	95.034	5.844,476	80.167,930	13,717	13,249	96	80	1.619	4,805	11,841	2,464	1,996
47	31	94.680	5.480,218	74.323,454	13,562	13,094	97	81	1.073	2,996	7,036	2,348	1,880
48	32	94.291	5.136,685	68.843,236	13,402	12,934	98	82	686	1,803	4,040	2,241	1,772
49	33	93.873	4.813,078	63.706,552	13,236	12,768	99	83	422	1,044	2,237	2,143	1,675
							100	84	250	0,582	1,193	2,051	1,583

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 17 Jahre

Zinsfuß 6,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	33	93.452	4.509,624	58.998,201	13,083	12,614
1							51	34	92.951	4.221,632	54.488,578	12,907	12,439
2							52	35	92.427	3.950,863	50.266,946	12,723	12,255
3							53	36	91.837	3.694,758	46.316,083	12,536	12,067
4							54	37	91.209	3.453,608	42.621,324	12,341	11,873
5							55	38	90.534	3.226,404	39.167,716	12,140	11,671
6							56	39	89.793	3.011,777	35.941,312	11,934	11,465
7							57	40	89.019	2.810,164	32.929,535	11,718	11,250
8							58	41	88.172	2.619,694	30.119,371	11,497	11,029
9							59	42	87.245	2.439,683	27.499,677	11,272	10,803
10							60	43	86.231	2.269,482	25.059,994	11,042	10,574
11							61	44	85.149	2.109,194	22.790,512	10,805	10,337
12							62	45	84.010	1.958,550	20.681,319	10,560	10,091
13							63	46	82.747	1.815,627	18.722,769	10,312	9,844
14							64	47	81.404	1.681,107	16.907,142	10,057	9,589
15							65	48	79.964	1.554,220	15.226,035	9,797	9,328
16							66	49	78.397	1.434,130	13.671,815	9,533	9,065
17	0	99.264	35.416,053	572.187,774	16,156	15,688	67	50	76.712	1.320,756	12.237,685	9,266	8,797
18	1	98.837	33.189,362	536.771,722	16,173	15,705	68	51	74.879	1.213,364	10.916,929	8,997	8,529
19	2	98.727	31.202,175	503.582,359	16,139	15,671	69	52	72.906	1.111,897	9.703,564	8,727	8,259
20	3	98.628	29.337,299	472.380,185	16,102	15,633	70	53	70.813	1.016,460	8.591,667	8,453	7,984
21	4	98.536	27.585,847	443.042,886	16,061	15,592	71	54	68.577	926,451	7.575,208	8,177	7,708
22	5	98.446	25.939,442	415.457,039	16,016	15,548	72	55	66.186	841,558	6.648,756	7,901	7,432
23	6	98.359	24.391,997	389.517,596	15,969	15,501	73	56	63.614	761,277	5.807,198	7,628	7,160
24	7	98.277	22.938,044	365.125,599	15,918	15,450	74	57	60.902	685,942	5.045,921	7,356	6,888
25	8	98.197	21.571,204	342.187,556	15,863	15,395	75	58	58.056	615,424	4.359,980	7,085	6,616
26	9	98.116	20.285,512	320.616,352	15,805	15,337	76	59	55.105	549,782	3.744,556	6,811	6,343
27	10	98.039	19.077,359	300.330,840	15,743	15,274	77	60	52.090	489,129	3.194,774	6,532	6,063
28	11	97.961	17.940,812	281.253,481	15,677	15,208	78	61	48.967	432,764	2.705,644	6,252	5,784
29	12	97.880	16.871,477	263.312,668	15,607	15,139	79	62	45.736	380,429	2.272,881	5,975	5,506
30	13	97.802	15.866,521	246.441,192	15,532	15,064	80	63	42.422	332,104	1.892,452	5,698	5,230
31	14	97.722	14.920,841	230.574,671	15,453	14,985	81	64	39.002	287,371	1.560,348	5,430	4,961
32	15	97.633	14.030,419	215.653,830	15,370	14,902	82	65	35.538	246,445	1.272,977	5,165	4,697
33	16	97.536	13.191,925	201.623,411	15,284	14,815	83	66	31.939	208,460	1.026,532	4,924	4,456
34	17	97.429	12.402,411	188.431,486	15,193	14,725	84	67	28.425	174,610	818,072	4,685	4,217
35	18	97.315	11.659,143	176.029,075	15,098	14,630	85	68	25.034	144,732	643,462	4,446	3,978
36	19	97.185	10.958,675	164.369,932	14,999	14,531	86	69	21.872	119,012	498,730	4,191	3,722
37	20	97.049	10.299,548	153.411,257	14,895	14,427	87	70	18.732	95,934	379,718	3,958	3,490
38	21	96.901	9.678,923	143.111,709	14,786	14,318	88	71	15.693	75,641	283,785	3,752	3,283
39	22	96.743	9.094,796	133.432,786	14,671	14,203	89	72	12.883	58,446	208,144	3,561	3,093
40	23	96.568	8.544,301	124.337,990	14,552	14,084	90	73	10.376	44,304	149,698	3,379	2,911
41	24	96.377	8.025,751	115.793,689	14,428	13,959	91	74	8.193	32,923	105,394	3,201	2,733
42	25	96.168	7.537,251	107.767,937	14,298	13,830	92	75	6.303	23,841	72,470	3,040	2,571
43	26	95.932	7.076,495	100.230,687	14,164	13,696	93	76	4.728	16,831	48,630	2,889	2,421
44	27	95.668	6.641,883	93.154,192	14,025	13,557	94	77	3.454	11,573	31,798	2,748	2,279
45	28	95.383	6.232,596	86.512,308	13,881	13,412	95	78	2.453	7,736	20,225	2,614	2,146
46	29	95.061	5.846,187	80.279,712	13,732	13,264	96	79	1.690	5,016	12,489	2,490	2,021
47	30	94.711	5.482,013	74.433,524	13,578	13,109	97	80	1.128	3,150	7,473	2,373	1,904
48	31	94.325	5.138,520	68.951,512	13,419	12,950	98	81	726	1,909	4,323	2,264	1,796
49	32	93.906	4.814,790	63.812,992	13,254	12,785	99	82	451	1,116	2,414	2,163	1,695
							100	83	269	0,626	1,298	2,072	1,604

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 18 Jahre

Zinsfuß 6,25%

Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	32	93.485	4.511,228	59.093,733	13,099	12,631
1							51	33	92.989	4.223,320	54.582,505	12,924	12,456
2							52	34	92.470	3.952,716	50.359,185	12,740	12,272
3							53	35	91.884	3.696,651	46.406,469	12,554	12,085
4							54	36	91.260	3.455,562	42.709,818	12,360	11,891
5							55	37	90.589	3.228,384	39.254,256	12,159	11,691
6							56	38	89.856	3.013,885	36.025,873	11,953	11,485
7							57	39	89.090	2.812,415	33.011,987	11,738	11,270
8							58	40	88.248	2.621,975	30.199,572	11,518	11,050
9							59	41	87.331	2.442,097	27.577,597	11,293	10,824
10							60	42	86.328	2.272,037	25.135,500	11,063	10,595
11							61	43	85.260	2.111,935	22.863,463	10,826	10,357
12							62	44	84.127	1.961,280	20.751,528	10,581	10,112
13							63	45	82.878	1.818,511	18.790,248	10,333	9,864
14							64	46	81.551	1.684,132	16.971,737	10,077	9,609
15							65	47	80.120	1.557,248	15.287,606	9,817	9,349
16							66	48	78.563	1.437,177	13.730,358	9,554	9,085
17							67	49	76.897	1.323,942	12.293,181	9,285	8,817
18	0	99.214	33.315,860	537.074,162	16,121	15,652	68	50	75.069	1.216,438	10.969,238	9,018	8,549
19	1	98.762	31.213,353	503.758,301	16,139	15,671	69	51	73.109	1.114,994	9.752,800	8,747	8,279
20	2	98.647	29.343,100	472.544,948	16,104	15,636	70	52	71.028	1.019,542	8.637,807	8,472	8,004
21	3	98.553	27.590,583	443.201,848	16,064	15,595	71	53	68.794	929,386	7.618,265	8,197	7,729
22	4	98.459	25.942,793	415.611,264	16,020	15,552	72	54	66.417	844,496	6.688,879	7,921	7,452
23	5	98.372	24.395,186	389.668,471	15,973	15,505	73	55	63.856	764,170	5.844,383	7,648	7,180
24	6	98.286	22.940,158	365.273,285	15,923	15,455	74	56	61.147	688,707	5.080,213	7,376	6,908
25	7	98.205	21.573,083	342.333,128	15,869	15,400	75	57	58.316	618,183	4.391,506	7,104	6,636
26	8	98.125	20.287,459	320.760,045	15,811	15,342	76	58	55.371	552,442	3.773,323	6,830	6,362
27	9	98.046	19.078,592	300.472,586	15,749	15,281	77	59	52.356	491,629	3.220,881	6,551	6,083
28	10	97.969	17.942,321	281.393,994	15,683	15,215	78	60	49.239	435,159	2.729,252	6,272	5,803
29	11	97.889	16.873,059	263.451,673	15,614	15,145	79	61	45.995	382,582	2.294,093	5,996	5,528
30	12	97.811	15.867,868	246.578,614	15,539	15,071	80	62	42.690	334,207	1.911,511	5,720	5,251
31	13	97.731	14.922,286	230.710,745	15,461	14,992	81	63	39.269	289,339	1.577,304	5,451	4,983
32	14	97.644	14.032,055	215.788,459	15,378	14,910	82	64	35.800	248,260	1.287,965	5,188	4,720
33	15	97.553	13.194,282	201.756,404	15,291	14,823	83	65	32.202	210,176	1.039,705	4,947	4,478
34	16	97.450	12.405,038	188.562,122	15,200	14,732	84	66	28.685	176,206	829,528	4,708	4,239
35	17	97.336	11.661,709	176.157,084	15,106	14,637	85	67	25.291	146,218	653,322	4,468	4,000
36	18	97.213	10.961,827	164.495,375	15,006	14,538	86	68	22.125	120,389	507,104	4,212	3,744
37	19	97.075	10.302,404	153.533,548	14,903	14,434	87	69	18.974	97,174	386,716	3,980	3,511
38	20	96.931	9.681,981	143.231,144	14,794	14,325	88	70	15.919	76,731	289,542	3,773	3,305
39	21	96.767	9.097,022	133.549,163	14,681	14,212	89	71	13.096	59,409	212,811	3,582	3,114
40	22	96.594	8.546,615	124.452,141	14,562	14,093	90	72	10.567	45,118	153,401	3,400	2,932
41	23	96.402	8.027,846	115.905,526	14,438	13,970	91	73	8.363	33,608	108,284	3,222	2,754
42	24	96.194	7.539,299	107.877,680	14,309	13,840	92	74	6.450	24,396	74,676	3,061	2,593
43	25	95.955	7.078,237	100.338,381	14,176	13,707	93	75	4.854	17,279	50,280	2,910	2,441
44	26	95.694	6.643,743	93.260,144	14,037	13,569	94	76	3.557	11,918	33,000	2,769	2,301
45	27	95.411	6.234,413	86.616,401	13,893	13,425	95	77	2.536	7,996	21,082	2,637	2,168
46	28	95.090	5.847,923	80.381,987	13,745	13,277	96	78	1.755	5,209	13,086	2,512	2,044
47	29	94.739	5.483,618	74.534,064	13,592	13,124	97	79	1.177	3,288	7,877	2,396	1,927
48	30	94.356	5.140,203	69.050,447	13,433	12,965	98	80	764	2,007	4,589	2,286	1,818
49	31	93.940	4.816,511	63.910,243	13,269	12,801	99	81	478	1,182	2,582	2,185	1,717
							100	82	288	0,670	1,400	2,091	1,622

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 19 Jahre

Zinsfuß 6,25%

Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	31	93.518	4.512,840	59.181,008	13,114	12,646
1							51	32	93.022	4.224,822	54.668,168	12,940	12,471
2							52	33	92.507	3.954,296	50.443,346	12,757	12,288
3							53	34	91.928	3.698,385	46.489,051	12,570	12,102
4							54	35	91.307	3.457,332	42.790,666	12,377	11,908
5							55	36	90.641	3.230,210	39.333,334	12,177	11,708
6							56	37	89.911	3.015,735	36.103,123	11,972	11,503
7							57	38	89.152	2.814,384	33.087,389	11,757	11,288
8							58	39	88.319	2.624,075	30.273,005	11,537	11,068
9							59	40	87.407	2.444,224	27.648,930	11,312	10,844
10							60	41	86.413	2.274,285	25.204,707	11,082	10,614
11							61	42	85.356	2.114,313	22.930,422	10,845	10,377
12							62	43	84.236	1.963,829	20.816,109	10,600	10,131
13							63	44	82.994	1.821,046	18.852,280	10,352	9,884
14							64	45	81.680	1.686,807	17.031,233	10,097	9,628
15							65	46	80.264	1.560,050	15.344,427	9,836	9,368
16							66	47	78.716	1.439,977	13.784,377	9,573	9,104
17							67	48	77.060	1.326,755	12.344,400	9,304	8,836
18							68	49	75.250	1.219,373	11.017,645	9,036	8,567
19	0	99.139	31.332,320	504.038,510	16,087	15,619	69	50	73.294	1.117,818	9.798,272	8,766	8,297
20	1	98.683	29.353,613	472.706,190	16,104	15,635	70	51	71.226	1.022,382	8.680,454	8,490	8,022
21	2	98.572	27.596,039	443.352,577	16,066	15,597	71	52	69.003	932,204	7.658,073	8,215	7,747
22	3	98.475	25.947,247	415.756,537	16,023	15,555	72	53	66.628	847,171	6.725,869	7,939	7,471
23	4	98.384	24.398,337	389.809,291	15,977	15,509	73	54	64.079	766,838	5.878,698	7,666	7,198
24	5	98.299	22.943,157	365.410,953	15,927	15,458	74	55	61.380	691,325	5.111,860	7,394	6,926
25	6	98.215	21.575,071	342.467,797	15,873	15,405	75	56	58.551	620,675	4.420,536	7,122	6,654
26	7	98.134	20.289,226	320.892,726	15,816	15,348	76	57	55.620	554,919	3.799,861	6,848	6,379
27	8	98.055	19.080,424	300.603,500	15,755	15,286	77	58	52.609	494,008	3.244,942	6,569	6,100
28	9	97.975	17.943,481	281.523,076	15,689	15,221	78	59	49.490	437,382	2.750,934	6,290	5,821
29	10	97.897	16.874,478	263.579,596	15,620	15,152	79	60	46.250	384,700	2.313,552	6,014	5,546
30	11	97.820	15.869,357	246.705,118	15,546	15,078	80	61	42.932	336,099	1.928,852	5,739	5,271
31	12	97.739	14.923,554	230.835,761	15,468	15,000	81	62	39.518	291,171	1.592,754	5,470	5,002
32	13	97.654	14.033,414	215.912,207	15,386	14,917	82	63	36.045	249,960	1.301,582	5,207	4,739
33	14	97.564	13.195,820	201.878,793	15,299	14,830	83	64	32.439	211,725	1.051,622	4,967	4,499
34	15	97.467	12.407,255	188.682,973	15,207	14,739	84	65	28.921	177,657	839,897	4,728	4,259
35	16	97.357	11.664,179	176.275,718	15,113	14,644	85	66	25.522	147,554	662,240	4,488	4,020
36	17	97.234	10.964,240	164.611,539	15,013	14,545	86	67	22.352	121,625	514,686	4,232	3,763
37	18	97.103	10.305,368	153.647,299	14,909	14,441	87	68	19.194	98,298	393,061	3,999	3,530
38	19	96.958	9.684,666	143.341,932	14,801	14,333	88	69	16.125	77,723	294,763	3,792	3,324
39	20	96.798	9.099,896	133.657,266	14,688	14,219	89	70	13.285	60,266	217,040	3,601	3,133
40	21	96.618	8.548,707	124.557,370	14,570	14,102	90	71	10.741	45,861	156,774	3,418	2,950
41	22	96.428	8.030,020	116.008,663	14,447	13,979	91	72	8.517	34,225	110,913	3,241	2,772
42	23	96.219	7.541,266	107.978,643	14,318	13,850	92	73	6.584	24,903	76,688	3,079	2,611
43	24	95.981	7.080,161	100.437,377	14,186	13,717	93	74	4.967	17,682	51,785	2,929	2,460
44	25	95.718	6.645,378	93.357,216	14,048	13,580	94	75	3.652	12,235	34,103	2,787	2,319
45	26	95.438	6.236,159	86.711,838	13,905	13,436	95	76	2.611	8,234	21,868	2,656	2,187
46	27	95.117	5.849,628	80.475,678	13,757	13,289	96	77	1.814	5,384	13,633	2,532	2,064
47	28	94.767	5.485,246	74.626,051	13,605	13,137	97	78	1.222	3,415	8,249	2,416	1,947
48	29	94.384	5.141,708	69.140,805	13,447	12,979	98	79	797	2,095	4,834	2,307	1,839
49	30	93.971	4.818,088	63.999,096	13,283	12,815	99	80	502	1,242	2,739	2,205	1,737
							100	81	305	0,709	1,497	2,110	1,642

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 20 Jahre

Zinsfuß 6,25%

Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	${}^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	${}^{(12)}\ddot{a}_{xy}$
0							50	30	93.549	4.514,318	59.260,736	13,127	12,659
1							51	31	93.055	4.226,332	54.746,418	12,954	12,485
2							52	32	92.540	3.955,703	50.520,087	12,771	12,303
3							53	33	91.964	3.699,863	46.564,384	12,585	12,117
4							54	34	91.350	3.458,954	42.864,521	12,392	11,924
5							55	35	90.687	3.231,865	39.405,568	12,193	11,724
6							56	36	89.962	3.017,441	36.173,703	11,988	11,520
7							57	37	89.207	2.816,111	33.156,262	11,774	11,305
8							58	38	88.381	2.625,912	30.340,151	11,554	11,086
9							59	39	87.477	2.446,181	27.714,239	11,330	10,861
10							60	40	86.489	2.276,265	25.268,058	11,101	10,632
11							61	41	85.441	2.116,405	22.991,793	10,864	10,395
12							62	42	84.331	1.966,040	20.875,388	10,618	10,150
13							63	43	83.101	1.823,413	18.909,348	10,370	9,902
14							64	44	81.794	1.689,158	17.085,935	10,115	9,647
15							65	45	80.391	1.562,528	15.396,777	9,854	9,385
16							66	46	78.858	1.442,568	13.834,249	9,590	9,122
17							67	47	77.210	1.329,340	12.391,681	9,322	8,853
18							68	48	75.409	1.221,963	11.062,341	9,053	8,585
19							69	49	73.471	1.120,515	9.840,377	8,782	8,314
20	0	99.059	29.465,492	472.965,838	16,052	15,583	70	50	71.406	1.024,971	8.719,863	8,507	8,039
21	1	98.608	27.605,926	443.500,347	16,065	15,597	71	51	69.195	934,800	7.694,892	8,232	7,763
22	2	98.495	25.952,378	415.894,421	16,025	15,557	72	52	66.830	849,740	6.760,091	7,955	7,487
23	3	98.401	24.402,526	389.942,043	15,980	15,511	73	53	64.282	769,267	5.910,352	7,683	7,215
24	4	98.311	22.946,120	365.539,517	15,930	15,462	74	54	61.594	693,738	5.141,085	7,411	6,942
25	5	98.227	21.577,891	342.593,396	15,877	15,409	75	55	58.774	623,034	4.447,347	7,138	6,670
26	6	98.143	20.291,096	321.015,505	15,821	15,352	76	56	55.844	557,156	3.824,313	6,864	6,396
27	7	98.063	19.082,086	300.724,409	15,760	15,291	77	57	52.845	496,222	3.267,157	6,584	6,116
28	8	97.985	17.945,203	281.642,324	15,695	15,226	78	58	49.730	439,499	2.770,935	6,305	5,836
29	9	97.903	16.875,568	263.697,120	15,626	15,158	79	59	46.486	386,665	2.331,436	6,030	5,561
30	10	97.828	15.870,691	246.821,552	15,552	15,084	80	60	43.170	337,959	1.944,771	5,754	5,286
31	11	97.748	14.924,954	230.950,861	15,474	15,006	81	61	39.741	292,819	1.606,812	5,487	5,019
32	12	97.662	14.034,606	216.025,907	15,392	14,924	82	62	36.273	251,543	1.313,993	5,224	4,755
33	13	97.574	13.197,099	201.991,301	15,306	14,837	83	63	32.662	213,175	1.062,450	4,984	4,516
34	14	97.479	12.408,701	188.794,202	15,215	14,746	84	64	29.134	178,966	849,275	4,745	4,277
35	15	97.374	11.666,263	176.385,502	15,119	14,651	85	65	25.732	148,769	670,310	4,506	4,037
36	16	97.255	10.966,562	164.719,238	15,020	14,552	86	66	22.556	122,737	521,540	4,249	3,781
37	17	97.125	10.307,636	153.752,676	14,916	14,448	87	67	19.391	99,307	398,803	4,016	3,547
38	18	96.986	9.687,452	143.445,040	14,807	14,339	88	68	16.311	78,622	299,496	3,809	3,341
39	19	96.825	9.102,419	133.757,589	14,695	14,226	89	69	13.456	61,044	220,874	3,618	3,150
40	20	96.649	8.551,408	124.655,169	14,577	14,109	90	70	10.896	46,522	159,829	3,436	2,967
41	21	96.452	8.031,985	116.103,762	14,455	13,987	91	71	8.657	34,789	113,307	3,257	2,789
42	22	96.245	7.543,309	108.071,776	14,327	13,858	92	72	6.705	25,360	78,518	3,096	2,628
43	23	96.007	7.082,008	100.528,468	14,195	13,727	93	73	5.071	18,049	53,157	2,945	2,477
44	24	95.744	6.647,184	93.446,459	14,058	13,590	94	74	3.737	12,520	35,108	2,804	2,336
45	25	95.461	6.237,694	86.799,275	13,915	13,447	95	75	2.681	8,454	22,587	2,672	2,204
46	26	95.144	5.851,266	80.561,581	13,768	13,300	96	76	1.868	5,545	14,134	2,549	2,081
47	27	94.794	5.486,845	74.710,315	13,616	13,148	97	77	1.264	3,529	8,589	2,434	1,965
48	28	94.412	5.143,235	69.223,470	13,459	12,991	98	78	828	2,176	5,060	2,325	1,857
49	29	93.998	4.819,499	64.080,235	13,296	12,828	99	79	524	1,297	2,884	2,224	1,755
							100	80	320	0,746	1,587	2,128	1,660

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 21 Jahre

Zinsfuß 6,25%

Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	29	93.576	4.515,640	59.333,530	13,140	12,671
1							51	30	93.085	4.227,716	54.817,890	12,966	12,498
2							52	31	92.573	3.957,116	50.590,174	12,785	12,316
3							53	32	91.997	3.701,179	46.633,058	12,600	12,131
4							54	33	91.386	3.460,336	42.931,879	12,407	11,938
5							55	34	90.729	3.233,381	39.471,543	12,208	11,739
6							56	35	90.008	3.018,986	36.238,162	12,003	11,535
7							57	36	89.258	2.817,704	33.219,175	11,789	11,321
8							58	37	88.435	2.627,523	30.401,471	11,570	11,102
9							59	38	87.539	2.447,893	27.773,948	11,346	10,878
10							60	39	86.558	2.278,088	25.326,055	11,117	10,649
11							61	40	85.515	2.118,248	23.047,967	10,881	10,412
12							62	41	84.414	1.967,985	20.929,719	10,635	10,167
13							63	42	83.195	1.825,466	18.961,733	10,387	9,919
14							64	43	81.900	1.691,354	17.136,267	10,132	9,663
15							65	44	80.503	1.564,706	15.444,914	9,871	9,402
16							66	45	78.983	1.444,860	13.880,208	9,607	9,138
17							67	46	77.349	1.331,732	12.435,348	9,338	8,869
18							68	47	75.556	1.224,344	11.103,616	9,069	8,601
19							69	48	73.627	1.122,895	9.879,272	8,798	8,330
20							70	49	71.579	1.027,444	8.756,377	8,522	8,054
21	0	98.983	27.711,144	443.740,985	16,013	15,545	71	50	69.370	937,168	7.728,933	8,247	7,779
22	1	98.530	25.961,676	416.029,841	16,025	15,556	72	51	67.016	852,106	6.791,765	7,971	7,502
23	2	98.421	24.407,351	390.068,166	15,982	15,513	73	52	64.477	771,599	5.939,659	7,698	7,229
24	3	98.328	22.950,060	365.660,814	15,933	15,465	74	53	61.789	695,935	5.168,059	7,426	6,958
25	4	98.240	21.580,679	342.710,755	15,880	15,412	75	54	58.979	625,209	4.472,124	7,153	6,685
26	5	98.156	20.293,749	321.130,076	15,824	15,356	76	55	56.056	559,273	3.846,915	6,878	6,410
27	6	98.072	19.083,844	300.836,327	15,764	15,296	77	56	53.058	498,222	3.287,642	6,599	6,130
28	7	97.993	17.946,766	281.752,483	15,699	15,231	78	57	49.953	441,469	2.789,419	6,318	5,850
29	8	97.913	16.877,189	263.805,717	15,631	15,163	79	58	46.711	388,536	2.347,950	6,043	5,575
30	9	97.835	15.871,717	246.928,528	15,558	15,089	80	59	43.390	339,686	1.959,414	5,768	5,300
31	10	97.757	14.926,209	231.056,812	15,480	15,012	81	60	39.961	294,440	1.619,728	5,501	5,033
32	11	97.671	14.035,922	216.130,603	15,398	14,930	82	61	36.478	252,967	1.325,288	5,239	4,771
33	12	97.582	13.198,220	202.094,680	15,312	14,844	83	62	32.868	214,525	1.072,322	4,999	4,530
34	13	97.488	12.409,903	188.896,461	15,221	14,753	84	63	29.334	180,191	857,797	4,760	4,292
35	14	97.386	11.667,623	176.486,558	15,126	14,658	85	64	25.922	149,865	677,606	4,521	4,053
36	15	97.272	10.968,522	164.818,935	15,027	14,558	86	65	22.742	123,747	527,740	4,265	3,796
37	16	97.145	10.309,819	153.850,413	14,923	14,454	87	66	19.568	100,215	403,993	4,031	3,563
38	17	97.007	9.689,584	143.540,594	14,814	14,346	88	67	16.479	79,430	303,778	3,824	3,356
39	18	96.852	9.105,038	133.851,010	14,701	14,232	89	68	13.612	61,751	224,348	3,633	3,165
40	19	96.675	8.553,779	124.745,972	14,584	14,115	90	69	11.037	47,124	162,597	3,450	2,982
41	20	96.482	8.034,523	116.192,193	14,462	13,993	91	70	8.782	35,291	115,474	3,272	2,804
42	21	96.268	7.545,155	108.157,670	14,335	13,866	92	71	6.816	25,778	80,183	3,110	2,642
43	22	96.033	7.083,926	100.612,516	14,203	13,735	93	72	5.164	18,381	54,405	2,960	2,491
44	23	95.769	6.648,919	93.528,590	14,067	13,598	94	73	3.815	12,781	36,024	2,819	2,350
45	24	95.487	6.239,389	86.879,670	13,924	13,456	95	74	2.743	8,651	23,243	2,687	2,219
46	25	95.167	5.852,706	80.640,281	13,778	13,310	96	75	1.918	5,693	14,593	2,563	2,095
47	26	94.821	5.488,381	74.787,575	13,627	13,158	97	76	1.301	3,635	8,900	2,449	1,980
48	27	94.439	5.144,734	69.299,194	13,470	13,002	98	77	856	2,249	5,266	2,341	1,873
49	28	94.026	4.820,930	64.154,459	13,307	12,839	99	78	544	1,347	3,016	2,240	1,772
							100	79	334	0,778	1,670	2,145	1,677

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 22 Jahre

Zinsfuß 6,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	28	93.604	4.516,980	59.400,111	13,150	12,682
1							51	29	93.113	4.228,954	54.883,131	12,978	12,510
2							52	30	92.603	3.958,412	50.654,177	12,797	12,328
3							53	31	92.030	3.702,502	46.695,765	12,612	12,144
4							54	32	91.419	3.461,567	42.993,263	12,420	11,952
5							55	33	90.766	3.234,673	39.531,696	12,221	11,753
6							56	34	90.050	3.020,403	36.297,023	12,017	11,549
7							57	35	89.303	2.819,147	33.276,620	11,804	11,335
8							58	36	88.485	2.629,010	30.457,473	11,585	11,117
9							59	37	87.592	2.449,395	27.828,464	11,361	10,893
10							60	38	86.619	2.279,683	25.379,068	11,133	10,664
11							61	39	85.583	2.119,944	23.099,385	10,896	10,428
12							62	40	84.488	1.969,699	20.979,441	10,651	10,183
13							63	41	83.277	1.827,272	19.009,742	10,403	9,935
14							64	42	81.993	1.693,258	17.182,469	10,148	9,679
15							65	43	80.608	1.566,740	15.489,211	9,886	9,418
16							66	44	79.093	1.446,874	13.922,472	9,622	9,154
17							67	45	77.472	1.333,847	12.475,598	9,353	8,885
18							68	46	75.692	1.226,547	11.141,751	9,084	8,615
19							69	47	73.770	1.125,083	9.915,204	8,813	8,345
20							70	48	71.731	1.029,627	8.790,121	8,537	8,069
21							71	49	69.537	939,429	7.760,494	8,261	7,793
22	0	98.906	26.060,626	416.252,892	15,972	15,504	72	50	67.186	854,264	6.821,065	7,985	7,516
23	1	98.456	24.416,096	390.192,266	15,981	15,513	73	51	64.657	773,748	5.966,801	7,712	7,243
24	2	98.348	22.954,598	365.776,170	15,935	15,466	74	52	61.976	698,046	5.193,052	7,439	6,971
25	3	98.257	21.584,384	342.821,572	15,883	15,414	75	53	59.166	627,189	4.495,007	7,167	6,699
26	4	98.168	20.296,370	321.237,188	15,827	15,359	76	54	56.252	561,226	3.867,818	6,892	6,423
27	5	98.085	19.086,339	300.940,818	15,767	15,299	77	55	53.260	500,116	3.306,592	6,612	6,143
28	6	98.002	17.948,420	281.854,479	15,704	15,235	78	56	50.154	443,249	2.806,476	6,332	5,863
29	7	97.921	16.878,658	263.906,059	15,635	15,167	79	57	46.920	390,278	2.363,227	6,055	5,587
30	8	97.844	15.873,241	247.027,401	15,563	15,094	80	58	43.600	341,329	1.972,949	5,780	5,312
31	9	97.763	14.927,173	231.154,160	15,485	15,017	81	59	40.166	295,944	1.631,619	5,513	5,045
32	10	97.680	14.037,103	216.226,987	15,404	14,936	82	60	36.680	254,367	1.335,675	5,251	4,783
33	11	97.591	13.199,457	202.189,884	15,318	14,850	83	61	33.054	215,739	1.081,308	5,012	4,544
34	12	97.497	12.410,957	188.990,427	15,228	14,759	84	62	29.519	181,332	865,569	4,773	4,305
35	13	97.395	11.668,753	176.579,469	15,133	14,664	85	63	26.099	150,892	684,237	4,535	4,066
36	14	97.284	10.969,800	164.910,716	15,033	14,565	86	64	22.909	124,659	533,345	4,278	3,810
37	15	97.163	10.311,661	153.940,916	14,929	14,460	87	65	19.729	101,040	408,686	4,045	3,576
38	16	97.028	9.691,636	143.629,254	14,820	14,352	88	66	16.630	80,156	307,646	3,838	3,370
39	17	96.874	9.107,042	133.937,618	14,707	14,239	89	67	13.752	62,385	227,490	3,647	3,178
40	18	96.703	8.556,240	124.830,576	14,589	14,121	90	68	11.165	47,669	165,106	3,464	2,995
41	19	96.509	8.036,751	116.274,337	14,468	13,999	91	69	8.896	35,747	117,437	3,285	2,817
42	20	96.299	7.547,539	108.237,586	14,341	13,872	92	70	6.914	26,150	81,690	3,124	2,656
43	21	96.056	7.085,660	100.690,047	14,210	13,742	93	71	5.249	18,684	55,540	2,973	2,504
44	22	95.795	6.650,720	93.604,388	14,074	13,606	94	72	3.885	13,015	36,856	2,832	2,363
45	23	95.512	6.241,018	86.953,668	13,933	13,464	95	73	2.800	8,830	23,841	2,700	2,231
46	24	95.193	5.854,297	80.712,650	13,787	13,319	96	74	1.963	5,825	15,010	2,577	2,108
47	25	94.844	5.489,732	74.858,354	13,636	13,168	97	75	1.336	3,731	9,185	2,462	1,993
48	26	94.466	5.146,175	69.368,621	13,480	13,011	98	76	881	2,316	5,454	2,355	1,886
49	27	94.054	4.822,335	64.222,446	13,318	12,849	99	77	563	1,392	3,138	2,254	1,786
							100	78	347	0,808	1,746	2,160	1,691

Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente nach der Sterbetafel 2002/2004

Altersdifferenz zwischen Mann und Frau (x - y) = 23 Jahre

Zinsfuß 6,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	27	93.631	4.518,297	59.461,092	13,160	12,692
1							51	28	93.140	4.230,209	54.942,795	12,988	12,520
2							52	29	92.630	3.959,571	50.712,586	12,808	12,339
3							53	30	92.060	3.703,714	46.753,015	12,623	12,155
4							54	31	91.451	3.462,804	43.049,300	12,432	11,964
5							55	32	90.798	3.235,824	39.586,496	12,234	11,765
6							56	33	90.086	3.021,610	36.350,672	12,030	11,562
7							57	34	89.345	2.820,469	33.329,062	11,817	11,348
8							58	35	88.531	2.630,356	30.508,593	11,599	11,130
9							59	36	87.642	2.450,781	27.878,237	11,375	10,907
10							60	37	86.672	2.281,082	25.427,455	11,147	10,679
11							61	38	85.643	2.121,428	23.146,373	10,911	10,442
12							62	39	84.555	1.971,276	21.024,945	10,666	10,197
13							63	40	83.350	1.828,864	19.053,669	10,418	9,950
14							64	41	82.074	1.694,933	17.224,805	10,163	9,694
15							65	42	80.699	1.568,504	15.529,872	9,901	9,433
16							66	43	79.196	1.448,754	13.961,368	9,637	9,168
17							67	44	77.580	1.335,707	12.512,614	9,368	8,899
18							68	45	75.813	1.228,495	11.176,907	9,098	8,630
19							69	46	73.903	1.127,107	9.948,412	8,826	8,358
20							70	47	71.871	1.031,633	8.821,305	8,551	8,082
21							71	48	69.685	941,425	7.789,672	8,274	7,806
22							72	49	67.348	856,325	6.848,247	7,997	7,529
23	0	98.831	24.509,156	390.399,045	15,929	15,460	73	50	64.820	775,708	5.991,922	7,724	7,256
24	1	98.383	22.962,822	365.889,889	15,934	15,466	74	51	62.149	699,990	5.216,213	7,452	6,983
25	2	98.276	21.588,652	342.927,067	15,885	15,416	75	52	59.345	629,091	4.516,224	7,179	6,711
26	3	98.185	20.299,854	321.338,415	15,830	15,361	76	53	56.430	563,003	3.887,133	6,904	6,436
27	4	98.098	19.088,804	301.038,561	15,770	15,302	77	54	53.446	501,862	3.324,129	6,624	6,155
28	5	98.015	17.950,767	281.949,756	15,707	15,238	78	55	50.345	444,934	2.822,267	6,343	5,875
29	6	97.930	16.880,214	263.998,990	15,640	15,171	79	56	47.109	391,851	2.377,334	6,067	5,599
30	7	97.852	15.874,623	247.118,776	15,567	15,099	80	57	43.796	342,860	1.985,483	5,791	5,323
31	8	97.772	14.928,606	231.244,153	15,490	15,022	81	58	40.360	297,376	1.642,623	5,524	5,055
32	9	97.686	14.038,010	216.315,546	15,409	14,941	82	59	36.868	255,667	1.345,247	5,262	4,793
33	10	97.599	13.200,567	202.277,537	15,323	14,855	83	60	33.237	216,933	1.089,580	5,023	4,554
34	11	97.506	12.412,121	189.076,969	15,233	14,765	84	61	29.686	182,359	872,647	4,785	4,317
35	12	97.403	11.669,745	176.664,848	15,139	14,670	85	62	26.264	151,847	690,289	4,546	4,078
36	13	97.293	10.970,863	164.995,103	15,039	14,571	86	63	23.066	125,513	538,441	4,290	3,822
37	14	97.174	10.312,863	154.024,240	14,935	14,467	87	64	19.875	101,785	412,928	4,057	3,589
38	15	97.045	9.693,368	143.711,377	14,826	14,357	88	65	16.766	80,816	311,144	3,850	3,382
39	16	96.894	9.108,971	134.018,009	14,713	14,244	89	66	13.877	62,955	230,328	3,659	3,190
40	17	96.724	8.558,123	124.909,038	14,595	14,127	90	67	11.279	48,158	167,373	3,475	3,007
41	18	96.537	8.039,063	116.350,916	14,473	14,005	91	68	8.998	36,160	119,215	3,297	2,828
42	19	96.325	7.549,631	108.311,853	14,347	13,878	92	69	7.003	26,488	83,054	3,136	2,667
43	20	96.086	7.087,899	100.762,222	14,216	13,748	93	70	5.324	18,953	56,566	2,985	2,516
44	21	95.818	6.652,347	93.674,323	14,081	13,613	94	71	3.949	13,230	37,613	2,843	2,375
45	22	95.538	6.242,708	87.021,976	13,940	13,471	95	72	2.852	8,993	24,384	2,712	2,243
46	23	95.218	5.855,824	80.779,268	13,795	13,326	96	73	2.004	5,946	15,391	2,588	2,120
47	24	94.870	5.491,224	74.923,443	13,644	13,176	97	74	1.367	3,818	9,445	2,474	2,005
48	25	94.489	5.147,442	69.432,219	13,489	13,020	98	75	905	2,378	5,626	2,366	1,898
49	26	94.080	4.823,686	64.284,778	13,327	12,859	99	76	579	1,433	3,249	2,266	1,798
							100	77	359	0,835	1,815	2,173	1,704

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 24 Jahre

Zinsfuß 6,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	26	93.658	4.519,563	59.516,995	13,169	12,700
1							51	27	93.167	4.231,442	54.997,433	12,997	12,529
2							52	28	92.658	3.960,747	50.765,990	12,817	12,349
3							53	29	92.087	3.704,799	46.805,244	12,634	12,165
4							54	30	91.481	3.463,938	43.100,445	12,443	11,974
5							55	31	90.830	3.236,980	39.636,507	12,245	11,777
6							56	32	90.118	3.022,685	36.399,526	12,042	11,574
7							57	33	89.381	2.821,597	33.376,842	11,829	11,361
8							58	34	88.572	2.631,590	30.555,245	11,611	11,143
9							59	35	87.687	2.452,037	27.923,655	11,388	10,920
10							60	36	86.721	2.282,372	25.471,618	11,160	10,692
11							61	37	85.696	2.122,730	23.189,246	10,924	10,456
12							62	38	84.615	1.972,656	21.066,516	10,679	10,211
13							63	39	83.417	1.830,328	19.093,859	10,432	9,964
14							64	40	82.145	1.696,409	17.263,531	10,177	9,708
15							65	41	80.779	1.570,056	15.567,122	9,915	9,447
16							66	42	79.285	1.450,385	13.997,066	9,651	9,182
17							67	43	77.681	1.337,443	12.546,681	9,381	8,913
18							68	44	75.918	1.230,208	11.209,238	9,112	8,643
19							69	45	74.020	1.128,898	9.979,030	8,840	8,371
20							70	46	72.000	1.033,489	8.850,133	8,563	8,095
21							71	47	69.821	943,259	7.816,644	8,287	7,818
22							72	48	67.491	858,145	6.873,385	8,010	7,541
23							73	49	64.977	777,580	6.015,240	7,736	7,267
24	0	98.758	23.050,343	366.081,609	15,882	15,413	74	50	62.306	701,763	5.237,660	7,464	6,995
25	1	98.312	21.596,386	343.031,266	15,884	15,415	75	51	59.510	630,843	4.535,898	7,190	6,722
26	2	98.204	20.303,869	321.434,880	15,831	15,363	76	52	56.601	564,711	3.905,055	6,915	6,447
27	3	98.115	19.092,082	301.131,011	15,773	15,304	77	53	53.615	503,452	3.340,344	6,635	6,167
28	4	98.028	17.953,085	282.038,930	15,710	15,241	78	54	50.520	446,487	2.836,892	6,354	5,885
29	5	97.943	16.882,421	264.085,844	15,643	15,174	79	55	47.288	393,341	2.390,406	6,077	5,609
30	6	97.861	15.876,086	247.203,423	15,571	15,102	80	56	43.972	344,242	1.997,065	5,801	5,333
31	7	97.781	14.929,907	231.327,338	15,494	15,026	81	57	40.541	298,709	1.652,823	5,533	5,065
32	8	97.695	14.039,358	216.397,431	15,414	14,945	82	58	37.046	256,904	1.354,114	5,271	4,803
33	9	97.606	13.201,420	202.358,073	15,329	14,860	83	59	33.407	218,041	1.097,210	5,032	4,564
34	10	97.514	12.413,165	189.156,653	15,238	14,770	84	60	29.851	183,368	879,169	4,795	4,326
35	11	97.413	11.670,839	176.743,488	15,144	14,676	85	61	26.413	152,707	695,801	4,556	4,088
36	12	97.301	10.971,795	165.072,649	15,045	14,577	86	62	23.212	126,308	543,094	4,300	3,831
37	13	97.183	10.313,862	154.100,854	14,941	14,473	87	63	20.011	102,482	416,787	4,067	3,599
38	14	97.057	9.694,498	143.786,991	14,832	14,363	88	64	16.890	81,411	314,305	3,861	3,392
39	15	96.912	9.110,599	134.092,494	14,718	14,250	89	65	13.992	63,473	232,894	3,669	3,201
40	16	96.745	8.559,935	124.981,895	14,601	14,132	90	66	11.382	48,599	169,421	3,486	3,018
41	17	96.558	8.040,832	116.421,960	14,479	14,010	91	67	9.091	36,532	120,822	3,307	2,839
42	18	96.353	7.551,803	108.381,128	14,352	13,883	92	68	7.084	26,794	84,290	3,146	2,677
43	19	96.113	7.089,864	100.829,325	14,222	13,753	93	69	5.393	19,198	57,496	2,995	2,527
44	20	95.849	6.654,449	93.739,461	14,087	13,618	94	70	4.006	13,420	38,298	2,854	2,385
45	21	95.561	6.244,235	87.085,012	13,946	13,478	95	71	2.899	9,141	24,877	2,722	2,253
46	22	95.244	5.857,410	80.840,776	13,801	13,333	96	72	2.040	6,055	15,736	2,599	2,130
47	23	94.895	5.492,657	74.983,366	13,652	13,183	97	73	1.395	3,898	9,681	2,484	2,015
48	24	94.515	5.148,840	69.490,709	13,496	13,028	98	74	926	2,433	5,783	2,377	1,908
49	25	94.103	4.824,873	64.341,868	13,335	12,867	99	75	595	1,472	3,350	2,277	1,808
							100	76	369	0,860	1,879	2,183	1,715

Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004

Altersdifferenz zwischen Mann und Frau (x - y) = 25 Jahre

Zinsfuß 6,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	25	93.681	4.520,675	59.568,190	13,177	12,708
1							51	26	93.194	4.232,627	55.047,515	13,006	12,537
2							52	27	92.685	3.961,901	50.814,888	12,826	12,358
3							53	28	92.114	3.705,899	46.852,987	12,643	12,174
4							54	29	91.508	3.464,952	43.147,088	12,452	11,984
5							55	30	90.860	3.238,040	39.682,135	12,255	11,787
6							56	31	90.151	3.023,765	36.444,095	12,053	11,584
7							57	32	89.413	2.822,600	33.420,330	11,840	11,372
8							58	33	88.607	2.632,642	30.597,730	11,622	11,154
9							59	34	87.728	2.453,187	27.965,088	11,399	10,931
10							60	35	86.765	2.283,541	25.511,901	11,172	10,704
11							61	36	85.744	2.123,931	23.228,359	10,936	10,468
12							62	37	84.667	1.973,867	21.104,428	10,692	10,224
13							63	38	83.475	1.831,610	19.130,562	10,445	9,976
14							64	39	82.211	1.697,768	17.298,952	10,189	9,721
15							65	40	80.849	1.571,423	15.601,184	9,928	9,460
16							66	41	79.364	1.451,820	14.029,761	9,664	9,195
17							67	42	77.768	1.338,949	12.577,941	9,394	8,926
18							68	43	76.017	1.231,807	11.238,992	9,124	8,656
19							69	44	74.124	1.130,471	10.007,186	8,852	8,384
20							70	45	72.114	1.035,131	8.876,715	8,575	8,107
21							71	46	69.947	944,956	7.841,584	8,298	7,830
22							72	47	67.622	859,817	6.896,628	8,021	7,553
23							73	48	65.115	779,232	6.036,811	7,747	7,279
24							74	49	62.457	703,456	5.257,579	7,474	7,006
25	0	98.686	21.678,699	343.209,046	15,832	15,363	75	50	59.661	632,441	4.554,124	7,201	6,733
26	1	98.240	20.311,143	321.530,347	15,830	15,362	76	51	56.759	566,283	3.921,683	6,925	6,457
27	2	98.134	19.095,857	301.219,204	15,774	15,306	77	52	53.778	504,978	3.355,399	6,645	6,176
28	3	98.045	17.956,167	282.123,347	15,712	15,243	78	53	50.680	447,901	2.850,421	6,364	5,896
29	4	97.956	16.884,602	264.167,180	15,645	15,177	79	54	47.454	394,714	2.402,520	6,087	5,618
30	5	97.874	15.878,162	247.282,578	15,574	15,105	80	55	44.139	345,550	2.007,806	5,810	5,342
31	6	97.790	14.931,282	231.404,417	15,498	15,030	81	56	40.704	299,914	1.662,256	5,542	5,074
32	7	97.704	14.040,580	216.473,134	15,418	14,949	82	57	37.212	258,056	1.362,343	5,279	4,811
33	8	97.615	13.202,688	202.432,554	15,333	14,864	83	58	33.569	219,096	1.104,287	5,040	4,572
34	9	97.520	12.413,967	189.229,866	15,243	14,775	84	59	30.003	184,305	885,191	4,803	4,335
35	10	97.421	11.671,821	176.815,899	15,149	14,681	85	60	26.559	153,552	700,886	4,564	4,096
36	11	97.311	10.972,824	165.144,078	15,050	14,582	86	61	23.344	127,022	547,334	4,309	3,841
37	12	97.192	10.314,738	154.171,254	14,947	14,478	87	62	20.137	103,131	420,312	4,076	3,607
38	13	97.066	9.695,437	143.856,516	14,838	14,369	88	63	17.006	81,969	317,181	3,870	3,401
39	14	96.923	9.111,660	134.161,079	14,724	14,256	89	64	14.095	63,941	235,213	3,679	3,210
40	15	96.762	8.561,465	125.049,418	14,606	14,138	90	65	11.476	48,999	171,272	3,495	3,027
41	16	96.578	8.042,535	116.487,953	14,484	14,016	91	66	9.174	36,866	122,273	3,317	2,848
42	17	96.374	7.553,465	108.445,418	14,357	13,889	92	67	7.157	27,070	85,407	3,155	2,687
43	18	96.141	7.091,904	100.891,953	14,226	13,758	93	68	5.456	19,420	58,337	3,004	2,536
44	19	95.875	6.656,294	93.800,050	14,092	13,624	94	69	4.058	13,594	38,917	2,863	2,395
45	20	95.591	6.246,208	87.143,755	13,951	13,483	95	70	2.941	9,273	25,323	2,731	2,263
46	21	95.267	5.858,844	80.897,547	13,808	13,339	96	71	2.074	6,155	16,051	2,608	2,139
47	22	94.921	5.494,145	75.038,703	13,658	13,190	97	72	1.421	3,969	9,896	2,493	2,025
48	23	94.539	5.150,184	69.544,558	13,503	13,035	98	73	945	2,484	5,926	2,386	1,918
49	24	94.129	4.826,184	64.394,374	13,343	12,874	99	74	609	1,506	3,443	2,286	1,818
							100	75	379	0,883	1,937	2,193	1,724

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 0 Jahre

Zinsfuß 6,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	0	100.000	100.000,000	1.593.182,694	15,932	15,463	50	50	91.638	3.931,831	47.916,082	12,187	11,718
1	1	99.166	93.113,435	1.493.182,694	16,036	15,567	51	51	90.953	3.664,284	43.984,251	12,004	11,535
2	2	99.090	87.363,835	1.400.069,259	16,026	15,557	52	52	90.231	3.413,311	40.319,967	11,813	11,344
3	3	99.051	81.999,039	1.312.705,424	16,009	15,540	53	53	89.431	3.176,557	36.906,657	11,618	11,150
4	4	99.016	76.967,143	1.230.706,385	15,990	15,521	54	54	88.588	2.954,576	33.730,099	11,416	10,947
5	5	98.990	72.250,594	1.153.739,242	15,969	15,500	55	55	87.680	2.745,829	30.775,523	11,208	10,739
6	6	98.963	67.822,776	1.081.488,648	15,946	15,477	56	56	86.694	2.549,253	28.029,695	10,995	10,527
7	7	98.942	63.670,068	1.013.665,873	15,921	15,452	57	57	85.670	2.365,385	25.480,441	10,772	10,303
8	8	98.922	59.771,513	949.995,805	15,894	15,425	58	58	84.550	2.191,974	23.115,056	10,545	10,077
9	9	98.900	56.111,427	890.224,291	15,865	15,397	59	59	83.341	2.028,760	20.923,083	10,313	9,844
10	10	98.885	52.678,451	834.112,865	15,834	15,365	60	60	82.046	1.875,333	18.894,323	10,075	9,606
11	11	98.867	49.454,527	781.434,414	15,801	15,332	61	61	80.675	1.731,468	17.018,990	9,829	9,360
12	12	98.844	46.425,113	731.979,886	15,767	15,298	62	62	79.258	1.597,225	15.287,522	9,571	9,103
13	13	98.822	43.582,261	685.554,773	15,730	15,261	63	63	77.698	1.470,230	13.690,297	9,312	8,843
14	14	98.800	40.913,040	641.972,512	15,691	15,222	64	64	76.054	1.351,294	12.220,066	9,043	8,574
15	15	98.770	38.404,437	601.059,472	15,651	15,182	65	65	74.307	1.239,664	10.868,772	8,768	8,299
16	16	98.729	36.045,557	562.655,034	15,610	15,141	66	66	72.409	1.134,278	9.629,108	8,489	8,020
17	17	98.670	33.825,465	526.609,477	15,568	15,100	67	67	70.380	1.035,210	8.494,830	8,206	7,737
18	18	98.599	31.737,917	492.784,012	15,527	15,058	68	68	68.173	941,538	7.459,620	7,923	7,454
19	19	98.496	29.769,693	461.046,095	15,487	15,018	69	69	65.800	853,301	6.518,082	7,639	7,170
20	20	98.389	27.922,508	431.276,401	15,445	14,977	70	70	63.288	770,630	5.664,781	7,351	6,882
21	21	98.283	26.190,110	403.353,893	15,401	14,932	71	71	60.609	692,969	4.894,151	7,063	6,594
22	22	98.182	24.566,358	377.163,784	15,353	14,884	72	72	57.749	619,968	4.201,182	6,776	6,308
23	23	98.081	23.043,371	352.597,426	15,301	14,833	73	73	54.711	551,510	3.581,214	6,493	6,025
24	24	97.983	21.615,289	329.554,055	15,246	14,778	74	74	51.518	487,625	3.029,704	6,213	5,744
25	25	97.886	20.275,810	307.938,766	15,187	14,719	75	75	48.208	428,445	2.542,080	5,933	5,465
26	26	97.790	19.019,712	287.662,956	15,124	14,656	76	76	44.787	373,747	2.113,634	5,655	5,187
27	27	97.693	17.841,116	268.643,244	15,058	14,589	77	77	41.321	323,777	1.739,887	5,374	4,905
28	28	97.594	16.735,363	250.802,128	14,986	14,518	78	78	37.788	278,027	1.416,110	5,093	4,625
29	29	97.494	15.697,745	234.066,765	14,911	14,442	79	79	34.179	236,123	1.138,083	4,820	4,351
30	30	97.396	14.724,988	218.369,021	14,830	14,361	80	80	30.561	198,242	901,960	4,550	4,081
31	31	97.293	13.811,655	203.644,033	14,744	14,276	81	81	26.911	163,915	703,718	4,293	3,824
32	32	97.182	12.953,820	189.832,378	14,655	14,186	82	82	23.325	133,399	539,804	4,047	3,578
33	33	97.068	12.148,925	176.878,557	14,559	14,090	83	83	19.770	106,165	406,405	3,828	3,359
34	34	96.944	11.392,881	164.729,632	14,459	13,990	84	84	16.483	83,113	300,240	3,612	3,144
35	35	96.806	10.682,313	153.336,751	14,354	13,886	85	85	13.487	63,855	217,128	3,400	2,932
36	36	96.655	10.014,715	142.654,438	14,244	13,776	86	86	10.885	48,389	153,273	3,167	2,699
37	37	96.491	9.387,561	132.639,724	14,129	13,661	87	87	8.491	35,444	104,883	2,959	2,490
38	38	96.316	8.798,564	123.252,162	14,008	13,539	88	88	6.365	24,949	69,440	2,783	2,315
39	39	96.116	8.244,407	114.453,599	13,883	13,414	89	89	4.613	16,978	44,491	2,621	2,152
40	40	95.891	7.723,110	106.209,192	13,752	13,283	90	90	3.223	11,137	27,513	2,470	2,002
41	41	95.642	7.232,960	98.486,081	13,616	13,148	91	91	2.173	7,051	16,376	2,323	1,854
42	42	95.366	6.771,909	91.253,121	13,475	13,007	92	92	1.390	4,236	9,325	2,202	1,733
43	43	95.049	6.337,441	84.481,212	13,330	12,862	93	93	851	2,434	5,090	2,091	1,623
44	44	94.691	5.928,212	78.143,772	13,182	12,713	94	94	497	1,334	2,656	1,991	1,522
45	45	94.305	5.543,735	72.215,559	13,027	12,558	95	95	276	0,696	1,322	1,900	1,431
46	46	93.866	5.181,138	66.671,824	12,868	12,399	96	96	146	0,345	0,626	1,816	1,347
47	47	93.379	4.839,697	61.490,686	12,705	12,237	97	97	73	0,162	0,281	1,740	1,272
48	48	92.848	4.518,481	56.650,989	12,538	12,069	98	98	34	0,072	0,120	1,671	1,203
49	49	92.273	4.216,427	52.132,508	12,364	11,895	99	99	15	0,030	0,048	1,609	1,140
							100	100	6	0,012	0,018	1,551	1,083

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -1 Jahr

Zinsfuß 6,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	1	99.620	99.620,306	1.592.057,087	15,981	15,513	50	51	91.406	3.921,896	47.534,961	12,120	11,652
1	2	99.130	93.080,087	1.492.436,781	16,034	15,565	51	52	90.701	3.654,107	43.613,065	11,935	11,467
2	3	99.071	87.346,562	1.399.356,694	16,021	15,552	52	53	89.958	3.402,992	39.958,958	11,742	11,274
3	4	99.034	81.984,964	1.312.010,132	16,003	15,534	53	54	89.148	3.166,527	36.555,966	11,544	11,076
4	5	99.003	76.957,203	1.230.025,169	15,983	15,514	54	55	88.280	2.944,299	33.389,439	11,340	10,872
5	6	98.977	72.241,149	1.153.067,966	15,961	15,493	55	56	87.348	2.735,431	30.445,139	11,130	10,661
6	7	98.954	67.816,526	1.080.826,817	15,938	15,469	56	57	86.346	2.539,019	27.709,709	10,914	10,445
7	8	98.934	63.664,523	1.013.010,291	15,912	15,443	57	58	85.288	2.354,828	25.170,690	10,689	10,220
8	9	98.912	59.765,776	949.345,768	15,884	15,416	58	59	84.143	2.181,418	22.815,862	10,459	9,990
9	10	98.894	56.107,801	889.579,992	15,855	15,386	59	60	82.917	2.018,446	20.634,444	10,223	9,754
10	11	98.876	52.674,021	833.472,191	15,823	15,354	60	61	81.594	1.865,011	18.615,998	9,982	9,513
11	12	98.858	49.449,889	780.798,170	15,790	15,321	61	62	80.221	1.721,725	16.750,988	9,729	9,260
12	13	98.835	46.421,170	731.348,280	15,755	15,286	62	63	78.759	1.587,174	15.029,263	9,469	9,000
13	14	98.813	43.578,038	684.927,110	15,717	15,249	63	64	77.170	1.460,230	13.442,089	9,205	8,737
14	15	98.788	40.908,273	641.349,072	15,678	15,209	64	65	75.498	1.341,412	11.981,859	8,932	8,464
15	16	98.752	38.397,576	600.440,799	15,637	15,169	65	66	73.700	1.229,539	10.640,447	8,654	8,185
16	17	98.708	36.037,924	562.043,223	15,596	15,127	66	67	71.753	1.124,006	9.410,907	8,373	7,904
17	18	98.649	33.818,023	526.005,299	15,554	15,085	67	68	69.665	1.024,687	8.286,902	8,087	7,619
18	19	98.570	31.728,790	492.187,276	15,512	15,044	68	69	67.393	930,769	7.262,215	7,802	7,334
19	20	98.468	29.761,441	460.458,487	15,472	15,003	69	70	64.960	842,415	6.331,446	7,516	7,047
20	21	98.358	27.913,688	430.697,046	15,430	14,961	70	71	62.388	759,677	5.489,032	7,225	6,757
21	22	98.259	26.183,702	402.783,357	15,383	14,914	71	72	59.626	681,734	4.729,355	6,937	6,468
22	23	98.155	24.559,707	376.599,656	15,334	14,865	72	73	56.707	608,791	4.047,621	6,649	6,180
23	24	98.056	23.037,359	352.039,949	15,281	14,813	73	74	53.596	540,274	3.438,830	6,365	5,896
24	25	97.957	21.609,417	329.002,590	15,225	14,756	74	75	50.345	476,525	2.898,556	6,083	5,614
25	26	97.861	20.270,821	307.393,173	15,164	14,696	75	76	46.958	417,337	2.422,030	5,804	5,335
26	27	97.762	19.014,387	287.122,353	15,100	14,632	76	77	43.490	362,928	2.004,693	5,524	5,055
27	28	97.664	17.835,917	268.107,966	15,032	14,563	77	78	39.976	313,244	1.641,765	5,241	4,772
28	29	97.565	16.730,395	250.272,049	14,959	14,490	78	79	36.388	267,722	1.328,521	4,962	4,494
29	30	97.465	15.693,150	233.541,653	14,882	14,413	79	80	32.741	226,190	1.060,799	4,690	4,221
30	31	97.365	14.720,167	217.848,504	14,799	14,331	80	81	29.072	188,584	834,609	4,426	3,957
31	32	97.259	13.806,721	203.128,337	14,712	14,244	81	82	25.411	154,777	646,024	4,174	3,705
32	33	97.147	12.949,214	189.321,616	14,620	14,152	82	83	21.818	124,778	491,247	3,937	3,468
33	34	97.029	12.144,071	176.372,402	14,523	14,055	83	84	18.353	98,557	366,469	3,718	3,250
34	35	96.898	11.387,540	164.228,331	14,422	13,953	84	85	15.158	76,434	267,912	3,505	3,036
35	36	96.756	10.676,844	152.840,791	14,315	13,846	85	86	12.316	58,311	191,478	3,284	2,815
36	37	96.600	10.009,052	142.163,947	14,204	13,735	86	87	9.787	43,511	133,167	3,061	2,592
37	38	96.432	9.381,805	132.154,895	14,086	13,618	87	88	7.490	31,266	89,656	2,868	2,399
38	39	96.248	8.792,409	122.773,090	13,964	13,495	88	89	5.528	21,667	58,391	2,695	2,226
39	40	96.039	8.237,809	113.980,681	13,836	13,368	89	90	3.929	14,461	36,723	2,539	2,071
40	41	95.807	7.716,391	105.742,872	13,704	13,235	90	91	2.696	9,317	22,262	2,390	1,921
41	42	95.548	7.225,810	98.026,481	13,566	13,097	91	92	1.766	5,730	12,946	2,259	1,791
42	43	95.259	6.764,293	90.800,671	13,424	12,955	92	93	1.105	3,366	7,216	2,144	1,675
43	44	94.926	6.329,214	84.036,378	13,278	12,809	93	94	660	1,889	3,850	2,039	1,570
44	45	94.559	5.919,960	77.707,163	13,126	12,658	94	95	376	1,010	1,962	1,943	1,474
45	46	94.155	5.534,943	71.787,203	12,970	12,501	95	96	203	0,513	0,952	1,856	1,387
46	47	93.697	5.171,832	66.252,260	12,810	12,341	96	97	104	0,247	0,439	1,776	1,308
47	48	93.198	4.830,286	61.080,428	12,645	12,177	97	98	51	0,113	0,192	1,704	1,235
48	49	92.651	4.508,902	56.250,142	12,475	12,007	98	99	23	0,048	0,079	1,638	1,170
49	50	92.051	4.206,279	51.741,240	12,301	11,832	99	100	10	0,020	0,031	1,579	1,110
							100	101	4	0,007	0,011	1,524	1,055

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -2 Jahre

Zinsfuß 6,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	2	99.585	99.584,628	1.591.245,973	15,979	15,510	50	52	91.153	3.911,004	47.123,536	12,049	11,580
1	3	99.111	93.061,684	1.491.661,345	16,029	15,560	51	53	90.427	3.643,060	43.212,531	11,862	11,393
2	4	99.054	87.331,569	1.398.599,661	16,015	15,546	52	54	89.674	3.392,246	39.569,471	11,665	11,196
3	5	99.021	81.974,375	1.311.268,092	15,996	15,527	53	55	88.838	3.155,513	36.177,225	11,465	10,996
4	6	98.990	76.947,143	1.229.293,717	15,976	15,507	54	56	87.945	2.933,150	33.021,712	11,258	10,789
5	7	98.968	72.234,492	1.152.346,575	15,953	15,484	55	57	86.998	2.724,449	30.088,562	11,044	10,575
6	8	98.945	67.810,620	1.080.112,082	15,928	15,460	56	58	85.961	2.527,687	27.364,113	10,826	10,357
7	9	98.924	63.658,412	1.012.301,462	15,902	15,433	57	59	84.877	2.343,488	24.836,426	10,598	10,129
8	10	98.906	59.761,914	948.643,051	15,874	15,405	58	60	83.715	2.170,328	22.492,938	10,364	9,895
9	11	98.886	56.103,083	888.881,137	15,844	15,375	59	61	82.461	2.007,336	20.322,610	10,124	9,655
10	12	98.867	52.669,081	832.778,054	15,812	15,343	60	62	81.135	1.854,516	18.315,274	9,876	9,407
11	13	98.849	49.445,690	780.108,973	15,777	15,308	61	63	79.716	1.710,890	16.460,759	9,621	9,152
12	14	98.826	46.416,673	730.663,283	15,741	15,273	62	64	78.223	1.576,378	14.749,869	9,357	8,888
13	15	98.801	43.572,961	684.246,610	15,703	15,235	63	65	76.605	1.449,551	13.173,491	9,088	8,619
14	16	98.771	40.900,964	640.673,650	15,664	15,195	64	66	74.882	1.330,456	11.723,939	8,812	8,343
15	17	98.732	38.389,444	599.772,686	15,623	15,155	65	67	73.032	1.218,404	10.393,483	8,530	8,062
16	18	98.687	36.029,994	561.383,242	15,581	15,112	66	68	71.024	1.112,580	9.175,079	8,247	7,778
17	19	98.620	33.808,297	525.353,247	15,539	15,070	67	69	68.868	1.012,967	8.062,499	7,959	7,491
18	20	98.543	31.719,994	491.544,950	15,496	15,028	68	70	66.533	918,894	7.049,532	7,672	7,203
19	21	98.437	29.752,041	459.824,956	15,455	14,986	69	71	64.037	830,441	6.130,638	7,382	6,914
20	22	98.334	27.906,859	430.072,915	15,411	14,942	70	72	61.377	747,360	5.300,197	7,092	6,623
21	23	98.233	26.176,613	402.166,056	15,364	14,895	71	73	58.551	669,443	4.552,836	6,801	6,332
22	24	98.130	24.553,299	375.989,444	15,313	14,844	72	74	55.552	596,388	3.883,393	6,512	6,043
23	25	98.029	23.031,100	351.436,144	15,259	14,790	73	75	52.376	527,977	3.287,005	6,226	5,757
24	26	97.932	21.604,099	328.405,045	15,201	14,732	74	76	49.040	464,170	2.759,028	5,944	5,475
25	27	97.834	20.265,146	306.800,945	15,139	14,671	75	77	45.598	405,255	2.294,858	5,663	5,194
26	28	97.734	19.008,846	286.535,800	15,074	14,605	76	78	42.075	351,121	1.889,602	5,382	4,913
27	29	97.635	17.830,623	267.526,954	15,004	14,535	77	79	38.495	301,635	1.538,481	5,100	4,632
28	30	97.537	16.725,498	249.696,331	14,929	14,460	78	80	34.857	256,460	1.236,847	4,823	4,354
29	31	97.433	15.688,012	232.970,833	14,850	14,382	79	81	31.146	215,171	980,386	4,556	4,088
30	32	97.330	14.714,908	217.282,821	14,766	14,297	80	82	27.451	178,072	765,215	4,297	3,828
31	33	97.224	13.801,812	202.567,913	14,677	14,208	81	83	23.769	144,775	587,143	4,056	3,587
32	34	97.109	12.944,040	188.766,101	14,583	14,115	82	84	20.254	115,836	442,368	3,819	3,350
33	35	96.983	12.138,378	175.822,061	14,485	14,016	83	85	16.878	90,637	326,531	3,603	3,134
34	36	96.849	11.381,710	163.683,683	14,381	13,913	84	86	13.842	69,797	235,894	3,380	2,911
35	37	96.702	10.670,807	152.301,974	14,273	13,804	85	87	11.074	52,432	166,097	3,168	2,699
36	38	96.541	10.002,914	141.631,167	14,159	13,690	86	88	8.634	38,382	113,665	2,961	2,493
37	39	96.365	9.375,242	131.628,253	14,040	13,571	87	89	6.505	27,153	75,282	2,772	2,304
38	40	96.171	8.785,373	122.253,011	13,916	13,447	88	90	4.709	18,456	48,129	2,608	2,139
39	41	95.955	8.230,642	113.467,638	13,786	13,317	89	91	3.287	12,097	29,674	2,453	1,984
40	42	95.713	7.708,764	105.236,996	13,652	13,183	90	92	2.191	7,571	17,576	2,322	1,853
41	43	95.440	7.217,684	97.528,232	13,512	13,044	91	93	1.403	4,553	10,005	2,198	1,729
42	44	95.135	6.755,513	90.310,548	13,368	12,900	92	94	857	2,612	5,453	2,088	1,619
43	45	94.793	6.320,404	83.555,035	13,220	12,751	93	95	500	1,429	2,841	1,988	1,519
44	46	94.409	5.910,571	77.234,631	13,067	12,598	94	96	277	0,744	1,412	1,896	1,428
45	47	93.986	5.525,002	71.324,060	12,909	12,441	95	97	146	0,368	0,667	1,813	1,345
46	48	93.515	5.161,775	65.799,058	12,747	12,279	96	98	73	0,172	0,299	1,738	1,269
47	49	93.000	4.820,046	60.637,283	12,580	12,111	97	99	34	0,076	0,127	1,669	1,200
48	50	92.428	4.498,050	55.817,237	12,409	11,940	98	100	15	0,032	0,051	1,606	1,138
49	51	91.818	4.195,651	51.319,187	12,232	11,763	99	101	6	0,012	0,019	1,549	1,081
							100	102	2	0,005	0,007	1,498	1,029

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -3 Jahre

Zinsfuß 6,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	3	99.565	99.564,939	1.590.402,683	15,974	15,505	50	53	90.877	3.899,181	46.680,085	11,972	11,503
1	4	99.094	93.045,710	1.490.837,744	16,023	15,554	51	54	90.141	3.631,557	42.780,904	11,780	11,312
2	5	99.041	87.320,290	1.397.792,033	16,008	15,539	52	55	89.362	3.380,447	39.149,348	11,581	11,112
3	6	99.008	81.963,659	1.310.471,744	15,988	15,520	53	56	88.502	3.143,564	35.768,900	11,378	10,910
4	7	98.981	76.940,052	1.228.508,085	15,967	15,498	54	57	87.592	2.921,374	32.625,336	11,168	10,699
5	8	98.959	72.228,201	1.151.568,032	15,943	15,475	55	58	86.609	2.712,289	29.703,962	10,952	10,483
6	9	98.936	67.804,111	1.079.339,831	15,919	15,450	56	59	85.547	2.515,514	26.991,673	10,730	10,261
7	10	98.918	63.654,298	1.011.535,720	15,891	15,422	57	60	84.446	2.331,574	24.476,159	10,498	10,029
8	11	98.897	59.756,888	947.881,422	15,862	15,394	58	61	83.254	2.158,382	22.144,585	10,260	9,791
9	12	98.876	56.097,821	888.124,534	15,832	15,363	59	62	81.997	1.996,040	19.986,202	10,013	9,544
10	13	98.859	52.664,608	832.026,712	15,799	15,330	60	63	80.624	1.842,845	17.990,163	9,762	9,293
11	14	98.840	49.440,899	779.362,104	15,764	15,295	61	64	79.174	1.699,253	16.147,317	9,503	9,034
12	15	98.814	46.411,264	729.921,205	15,727	15,259	62	65	77.651	1.564,850	14.448,064	9,233	8,764
13	16	98.783	43.565,175	683.509,941	15,689	15,221	63	66	75.980	1.437,712	12.883,214	8,961	8,492
14	17	98.750	40.892,302	639.944,766	15,650	15,181	64	67	74.204	1.318,407	11.445,502	8,681	8,213
15	18	98.710	38.380,998	599.052,463	15,608	15,139	65	68	72.290	1.206,019	10.127,094	8,397	7,928
16	19	98.658	36.019,633	560.671,466	15,566	15,097	66	69	70.212	1.099,855	8.921,076	8,111	7,642
17	20	98.593	33.798,925	524.651,833	15,523	15,054	67	70	67.990	1.000,043	7.821,221	7,821	7,352
18	21	98.512	31.709,975	490.852,908	15,479	15,011	68	71	65.588	905,833	6.821,177	7,530	7,062
19	22	98.413	29.744,761	459.142,932	15,436	14,967	69	72	62.999	816,978	5.915,344	7,241	6,772
20	23	98.307	27.899,303	429.398,171	15,391	14,922	70	73	60.270	733,886	5.098,367	6,947	6,478
21	24	98.207	26.169,783	401.498,868	15,342	14,873	71	74	57.358	655,805	4.364,480	6,655	6,186
22	25	98.103	24.546,628	375.329,085	15,290	14,822	72	75	54.288	582,813	3.708,675	6,363	5,895
23	26	98.005	23.025,433	350.782,457	15,235	14,766	73	76	51.018	514,288	3.125,862	6,078	5,609
24	27	97.905	21.598,051	327.757,024	15,175	14,707	74	77	47.620	450,733	2.611,574	5,794	5,325
25	28	97.806	20.259,240	306.158,973	15,112	14,643	75	78	44.115	392,072	2.160,841	5,511	5,043
26	29	97.705	19.003,204	285.899,733	15,045	14,576	76	79	40.516	338,108	1.768,769	5,231	4,763
27	30	97.607	17.825,403	266.896,529	14,973	14,504	77	80	36.875	288,946	1.430,662	4,951	4,483
28	31	97.505	16.720,022	249.071,126	14,897	14,428	78	81	33.159	243,967	1.141,715	4,680	4,211
29	32	97.398	15.682,408	232.351,104	14,816	14,347	79	82	29.410	203,177	897,748	4,419	3,950
30	33	97.295	14.709,676	216.668,696	14,730	14,261	80	83	25.677	166,564	694,572	4,170	3,701
31	34	97.185	13.796,297	201.959,020	14,639	14,170	81	84	22.066	134,401	528,007	3,929	3,460
32	35	97.063	12.937,972	188.162,723	14,543	14,075	82	85	18.626	106,528	393,606	3,695	3,226
33	36	96.934	12.132,163	175.224,751	14,443	13,974	83	86	15.413	82,768	287,079	3,468	3,000
34	37	96.794	11.375,274	163.092,588	14,337	13,869	84	87	12.447	62,761	204,311	3,255	2,787
35	38	96.642	10.664,263	151.717,315	14,227	13,758	85	88	9.769	46,252	141,551	3,060	2,592
36	39	96.474	9.995,917	141.053,051	14,111	13,642	86	89	7.498	33,334	95,299	2,859	2,390
37	40	96.288	9.367,740	131.057,134	13,990	13,522	87	90	5.541	23,128	61,965	2,679	2,210
38	41	96.088	8.777,730	121.689,395	13,863	13,395	88	91	3.939	15,439	38,837	2,516	2,047
39	42	95.860	8.222,507	112.911,665	13,732	13,263	89	92	2.671	9,830	23,398	2,380	1,911
40	43	95.605	7.700,094	104.689,159	13,596	13,127	90	93	1.741	6,016	13,567	2,255	1,787
41	44	95.316	7.208,315	96.989,065	13,455	12,986	91	94	1.089	3,533	7,552	2,137	1,669
42	45	95.003	6.746,109	89.780,750	13,309	12,840	92	95	649	1,977	4,019	2,033	1,564
43	46	94.643	6.310,380	83.034,641	13,158	12,690	93	96	368	1,054	2,042	1,938	1,469
44	47	94.239	5.899,956	76.724,261	13,004	12,535	94	97	199	0,534	0,988	1,851	1,382
45	48	93.804	5.514,258	70.824,305	12,844	12,375	95	98	102	0,256	0,454	1,772	1,304
46	49	93.317	5.150,832	65.310,047	12,680	12,211	96	99	49	0,116	0,198	1,700	1,232
47	50	92.776	4.808,446	60.159,214	12,511	12,042	97	100	22	0,050	0,082	1,635	1,166
48	51	92.195	4.486,685	55.350,769	12,337	11,868	98	101	10	0,020	0,032	1,575	1,107
49	52	91.563	4.183,999	50.864,084	12,157	11,688	99	102	4	0,008	0,012	1,521	1,053
							100	103	1	0,003	0,004	1,472	1,003

Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente nach der Sterbetafel 2002/2004

Altersdifferenz zwischen Mann und Frau (x - y) = -4 Jahre

Zinsfuß 6,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	4	99.548	99.547,849	1.589.507,336	15,967	15,499	50	54	90.590	3.886,869	46.202,787	11,887	11,418
1	5	99.081	93.033,693	1.489.959,487	16,015	15,547	51	55	89.828	3.618,925	42.315,918	11,693	11,224
2	6	99.028	87.308,875	1.396.925,794	16,000	15,531	52	56	89.024	3.367,646	38.696,993	11,491	11,022
3	7	98.999	81.956,106	1.309.616,919	15,979	15,511	53	57	88.146	3.130,943	35.329,347	11,284	10,815
4	8	98.972	76.933,352	1.227.660,812	15,957	15,489	54	58	87.201	2.908,336	32.198,404	11,071	10,602
5	9	98.949	72.221,268	1.150.727,461	15,933	15,465	55	59	86.192	2.699,228	29.290,068	10,851	10,383
6	10	98.929	67.799,730	1.078.506,193	15,907	15,438	56	60	85.112	2.502,726	26.590,840	10,625	10,156
7	11	98.910	63.648,945	1.010.706,463	15,879	15,411	57	61	83.981	2.318,741	24.088,114	10,388	9,920
8	12	98.888	59.751,284	947.057,518	15,850	15,381	58	62	82.786	2.146,236	21.769,374	10,143	9,674
9	13	98.868	56.093,057	887.306,233	15,818	15,350	59	63	81.481	1.983,479	19.623,137	9,893	9,425
10	14	98.849	52.659,506	831.213,176	15,785	15,316	60	64	80.076	1.830,311	17.639,658	9,638	9,169
11	15	98.828	49.435,138	778.553,670	15,749	15,280	61	65	78.595	1.686,827	15.809,348	9,372	8,904
12	16	98.796	46.402,972	729.118,532	15,713	15,244	62	66	77.017	1.552,070	14.122,521	9,099	8,630
13	17	98.763	43.555,949	682.715,561	15,674	15,206	63	67	75.292	1.424,692	12.570,452	8,823	8,355
14	18	98.728	40.883,305	639.159,612	15,634	15,165	64	68	73.449	1.305,005	11.145,760	8,541	8,072
15	19	98.681	38.369,960	598.276,306	15,592	15,124	65	69	71.463	1.192,225	9.840,754	8,254	7,785
16	20	98.631	36.009,648	559.906,347	15,549	15,080	66	70	69.316	1.085,823	8.648,529	7,965	7,496
17	21	98.562	33.788,250	523.896,699	15,505	15,037	67	71	67.023	985,829	7.562,707	7,671	7,203
18	22	98.488	31.702,217	490.108,449	15,460	14,991	68	72	64.524	891,148	6.576,878	7,380	6,911
19	23	98.386	29.736,708	458.406,233	15,416	14,947	69	73	61.863	802,248	5.685,730	7,087	6,619
20	24	98.282	27.892,024	428.669,524	15,369	14,900	70	74	59.042	718,935	4.883,482	6,793	6,324
21	25	98.180	26.162,673	400.777,500	15,319	14,850	71	75	56.053	640,878	4.164,547	6,498	6,029
22	26	98.079	24.540,588	374.614,827	15,265	14,796	72	76	52.880	567,702	3.523,669	6,207	5,738
23	27	97.978	23.018,986	350.074,239	15,208	14,739	73	77	49.542	499,400	2.955,966	5,919	5,450
24	28	97.877	21.591,757	327.055,252	15,147	14,678	74	78	46.071	436,070	2.456,566	5,633	5,165
25	29	97.776	20.253,226	305.463,496	15,082	14,613	75	79	42.480	377,541	2.020,496	5,352	4,883
26	30	97.676	18.997,641	285.210,269	15,013	14,544	76	80	38.812	323,885	1.642,956	5,073	4,604
27	31	97.575	17.819,567	266.212,628	14,939	14,471	77	81	35.079	274,870	1.319,071	4,799	4,330
28	32	97.470	16.714,050	248.393,061	14,861	14,393	78	82	31.311	230,367	1.044,201	4,533	4,064
29	33	97.364	15.676,831	231.679,011	14,778	14,310	79	83	27.509	190,047	813,833	4,282	3,814
30	34	97.256	14.703,799	216.002,180	14,690	14,221	80	84	23.837	154,629	623,787	4,034	3,565
31	35	97.140	13.789,829	201.298,382	14,598	14,129	81	85	20.293	123,600	469,158	3,796	3,327
32	36	97.013	12.931,348	187.508,552	14,500	14,032	82	86	17.009	97,278	345,558	3,552	3,084
33	37	96.879	12.125,303	174.577,204	14,398	13,929	83	87	13.859	74,423	248,279	3,336	2,867
34	38	96.735	11.368,298	162.451,902	14,290	13,821	84	88	10.980	55,363	173,856	3,140	2,672
35	39	96.575	10.656,804	151.083,603	14,177	13,708	85	89	8.484	40,168	118,493	2,950	2,481
36	40	96.396	9.987,917	140.426,800	14,060	13,591	86	90	6.387	28,393	78,325	2,759	2,290
37	41	96.204	9.359,590	130.438,882	13,936	13,468	87	91	4.635	19,348	49,932	2,581	2,112
38	42	95.993	8.769,053	121.079,293	13,808	13,339	88	92	3.201	12,546	30,584	2,438	1,969
39	43	95.753	8.213,259	112.310,240	13,674	13,206	89	93	2.122	7,811	18,039	2,309	1,841
40	44	95.481	7.690,099	104.096,981	13,536	13,068	90	94	1.351	4,668	10,227	2,191	1,722
41	45	95.184	7.198,281	96.406,882	13,393	12,924	91	95	824	2,674	5,559	2,079	1,610
42	46	94.852	6.735,410	89.208,601	13,245	12,776	92	96	478	1,457	2,885	1,980	1,511
43	47	94.473	6.299,047	82.473,191	13,093	12,624	93	97	264	0,756	1,428	1,890	1,421
44	48	94.056	5.888,483	76.174,144	12,936	12,467	94	98	138	0,372	0,672	1,807	1,339
45	49	93.605	5.502,568	70.285,662	12,773	12,305	95	99	69	0,173	0,300	1,732	1,264
46	50	93.092	5.138,436	64.783,094	12,608	12,139	96	100	32	0,076	0,127	1,664	1,195
47	51	92.542	4.796,296	59.644,658	12,436	11,967	97	101	14	0,032	0,051	1,602	1,133
48	52	91.939	4.474,225	54.848,362	12,259	11,790	98	102	6	0,012	0,019	1,546	1,077
49	53	91.287	4.171,350	50.374,137	12,076	11,607	99	103	2	0,004	0,007	1,494	1,025
							100	104	1	0,002	0,002	1,447	0,978

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -5 Jahre

Zinsfuß 6,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	5	99.535	99.534,992	1.588.553,068	15,960	15,491	50	55	90.275	3.873,349	45.689,273	11,796	11,327
1	6	99.068	93.021,531	1.489.018,076	16,007	15,538	51	56	89.487	3.605,221	41.815,924	11,599	11,130
2	7	99.019	87.300,830	1.395.996,545	15,991	15,522	52	57	88.666	3.354,126	38.210,702	11,392	10,923
3	8	98.990	81.948,969	1.308.695,715	15,970	15,501	53	58	87.753	3.116,970	34.856,577	11,183	10,714
4	9	98.963	76.925,967	1.226.746,746	15,947	15,478	54	59	86.781	2.894,330	31.739,607	10,966	10,497
5	10	98.943	72.216,601	1.149.820,780	15,922	15,453	55	60	85.754	2.685,505	28.845,277	10,741	10,272
6	11	98.921	67.794,028	1.077.604,178	15,895	15,427	56	61	84.644	2.488,951	26.159,771	10,510	10,042
7	12	98.900	63.642,976	1.009.810,150	15,867	15,398	57	62	83.508	2.305,692	23.670,821	10,266	9,798
8	13	98.880	59.746,210	946.167,174	15,836	15,368	58	63	82.265	2.132,730	21.365,129	10,018	9,549
9	14	98.858	56.087,622	886.420,964	15,804	15,335	59	64	80.926	1.969,988	19.232,398	9,763	9,294
10	15	98.838	52.653,370	830.333,342	15,770	15,301	60	65	79.490	1.816,926	17.262,411	9,501	9,032
11	16	98.811	49.426,305	777.679,972	15,734	15,265	61	66	77.953	1.673,050	15.445,485	9,232	8,763
12	17	98.775	46.393,145	728.253,667	15,697	15,229	62	67	76.320	1.538,013	13.772,435	8,955	8,486
13	18	98.741	43.546,366	681.860,522	15,658	15,190	63	68	74.526	1.410,210	12.234,422	8,676	8,207
14	19	98.700	40.871,547	638.314,156	15,618	15,149	64	69	72.609	1.290,079	10.824,212	8,390	7,922
15	20	98.654	38.359,323	597.442,609	15,575	15,106	65	70	70.552	1.177,014	9.534,133	8,100	7,632
16	21	98.600	35.998,274	559.083,285	15,531	15,062	66	71	68.331	1.070,389	8.357,119	7,808	7,339
17	22	98.538	33.779,983	523.085,012	15,485	15,016	67	72	65.937	969,846	7.286,729	7,513	7,045
18	23	98.461	31.693,634	489.305,029	15,439	14,970	68	73	63.361	875,081	6.316,883	7,219	6,750
19	24	98.361	29.728,950	457.611,395	15,393	14,924	69	74	60.603	785,904	5.441,802	6,924	6,456
20	25	98.255	27.884,446	427.882,445	15,345	14,876	70	75	57.698	702,571	4.655,897	6,627	6,158
21	26	98.156	26.156,235	399.997,999	15,293	14,824	71	76	54.600	624,262	3.953,326	6,333	5,864
22	27	98.052	24.533,718	373.841,764	15,238	14,769	72	77	51.349	551,268	3.329,065	6,039	5,570
23	28	97.949	23.012,278	349.308,046	15,179	14,710	73	78	47.930	483,153	2.777,796	5,749	5,281
24	29	97.847	21.585,348	326.295,768	15,117	14,648	74	79	44.363	419,908	2.294,643	5,465	4,996
25	30	97.748	20.247,298	304.710,420	15,049	14,581	75	80	40.693	361,659	1.874,735	5,184	4,715
26	31	97.644	18.991,421	284.463,122	14,979	14,510	76	81	36.921	308,107	1.513,076	4,911	4,442
27	32	97.540	17.813,202	265.471,701	14,903	14,434	77	82	33.124	259,548	1.204,969	4,643	4,174
28	33	97.435	16.708,106	247.658,499	14,823	14,354	78	83	29.287	215,480	945,421	4,388	3,919
29	34	97.325	15.670,567	230.950,392	14,738	14,269	79	84	25.538	176,428	729,941	4,137	3,669
30	35	97.211	14.696,905	215.279,825	14,648	14,179	80	85	21.922	142,202	553,513	3,892	3,424
31	36	97.090	13.782,769	200.582,920	14,553	14,084	81	86	18.531	112,869	411,310	3,644	3,175
32	37	96.958	12.924,036	186.800,151	14,454	13,985	82	87	15.294	87,471	298,442	3,412	2,943
33	38	96.820	12.117,867	173.876,115	14,349	13,880	83	88	12.225	65,651	210,970	3,214	2,745
34	39	96.667	11.360,346	161.758,247	14,239	13,770	84	89	9.535	48,081	145,320	3,022	2,554
35	40	96.497	10.648,275	150.397,902	14,124	13,655	85	90	7.226	34,214	97,239	2,842	2,373
36	41	96.313	9.979,228	139.749,626	14,004	13,535	86	91	5.343	23,752	63,024	2,653	2,185
37	42	96.109	9.350,338	129.770,398	13,879	13,410	87	92	3.766	15,722	39,272	2,498	2,029
38	43	95.885	8.759,191	120.420,060	13,748	13,279	88	93	2.543	9,969	23,550	2,362	1,894
39	44	95.628	8.202,598	111.660,870	13,613	13,144	89	94	1.647	6,062	13,582	2,241	1,772
40	45	95.348	7.679,394	103.458,272	13,472	13,003	90	95	1.022	3,533	7,520	2,128	1,660
41	46	95.033	7.186,864	95.778,877	13,327	12,858	91	96	608	1,971	3,987	2,022	1,554
42	47	94.682	6.723,313	88.592,013	13,177	12,708	92	97	343	1,045	2,015	1,928	1,460
43	48	94.289	6.286,797	81.868,700	13,022	12,554	93	98	184	0,527	0,970	1,843	1,374
44	49	93.857	5.875,999	75.581,903	12,863	12,394	94	99	94	0,251	0,444	1,765	1,296
45	50	93.379	5.489,325	69.705,903	12,698	12,230	95	100	45	0,114	0,192	1,694	1,225
46	51	92.857	5.125,453	64.216,578	12,529	12,060	96	101	20	0,048	0,079	1,629	1,160
47	52	92.285	4.782,976	59.091,125	12,354	11,886	97	102	9	0,019	0,030	1,570	1,102
48	53	91.661	4.460,698	54.308,149	12,175	11,706	98	103	3	0,007	0,011	1,517	1,048
49	54	90.998	4.158,179	49.847,451	11,988	11,519	99	104	1	0,003	0,004	1,468	0,999
							100	105	0	0,001	0,001	1,423	0,954

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -6 Jahre

Zinsfuß 6,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	6	99.522	99.521,980	1.587.530,863	15,952	15,483	50	56	89.933	3.858,681	45.137,840	11,698	11,229
1	7	99.059	93.012,960	1.488.008,883	15,998	15,529	51	57	89.128	3.590,747	41.279,159	11,496	11,027
2	8	99.010	87.293,227	1.394.995,923	15,981	15,512	52	58	88.271	3.339,156	37.688,412	11,287	10,818
3	9	98.981	81.941,102	1.307.702,696	15,959	15,490	53	59	87.330	3.101,959	34.349,256	11,073	10,605
4	10	98.956	76.920,996	1.225.761,594	15,935	15,467	54	60	86.340	2.879,616	31.247,296	10,851	10,382
5	11	98.935	72.210,529	1.148.840,598	15,910	15,441	55	61	85.282	2.670,724	28.367,680	10,622	10,153
6	12	98.912	67.787,671	1.076.630,070	15,882	15,414	56	62	84.167	2.474,944	25.696,957	10,383	9,914
7	13	98.892	63.637,571	1.008.842,399	15,853	15,384	57	63	82.983	2.291,183	23.222,012	10,135	9,667
8	14	98.870	59.740,421	945.204,828	15,822	15,353	58	64	81.705	2.118,224	20.930,829	9,881	9,413
9	15	98.847	56.081,087	885.464,407	15,789	15,320	59	65	80.335	1.955,582	18.812,606	9,620	9,151
10	16	98.820	52.643,962	829.383,320	15,755	15,286	60	66	78.841	1.802,086	16.857,024	9,354	8,885
11	17	98.790	49.415,838	776.739,358	15,718	15,250	61	67	77.247	1.657,898	15.054,938	9,081	8,612
12	18	98.754	46.382,937	727.323,520	15,681	15,212	62	68	75.544	1.522,379	13.397,040	8,800	8,331
13	19	98.712	43.533,843	680.940,583	15,642	15,173	63	69	73.674	1.394,080	11.874,661	8,518	8,049
14	20	98.672	40.860,218	637.406,740	15,600	15,131	64	70	71.683	1.273,620	10.480,581	8,229	7,760
15	21	98.623	38.347,207	596.546,523	15,556	15,088	65	71	69.549	1.160,285	9.206,960	7,935	7,466
16	22	98.576	35.989,466	558.199,315	15,510	15,041	66	72	67.223	1.053,036	8.046,676	7,641	7,173
17	23	98.511	33.770,837	522.209,849	15,463	14,995	67	73	64.748	952,361	6.993,640	7,343	6,875
18	24	98.435	31.685,365	488.439,012	15,415	14,947	68	74	62.070	857,254	6.041,279	7,047	6,579
19	25	98.334	29.720,873	456.753,647	15,368	14,899	69	75	59.223	768,016	5.184,025	6,750	6,281
20	26	98.231	27.877,585	427.032,775	15,318	14,849	70	76	56.202	684,355	4.416,009	6,453	5,984
21	27	98.129	26.148,913	399.155,189	15,265	14,796	71	77	53.019	606,190	3.731,654	6,156	5,687
22	28	98.023	24.526,568	373.006,277	15,208	14,740	72	78	49.679	533,334	3.125,464	5,860	5,391
23	29	97.920	23.005,447	348.479,709	15,148	14,679	73	79	46.153	465,247	2.592,130	5,572	5,103
24	30	97.819	21.579,030	325.474,261	15,083	14,614	74	80	42.497	402,244	2.126,883	5,288	4,819
25	31	97.716	20.240,669	303.895,231	15,014	14,545	75	81	38.711	344,041	1.724,639	5,013	4,544
26	32	97.610	18.984,637	283.654,563	14,941	14,473	76	82	34.863	290,932	1.380,598	4,745	4,277
27	33	97.505	17.806,868	264.669,926	14,863	14,395	77	83	30.983	242,775	1.089,666	4,488	4,020
28	34	97.396	16.701,430	246.863,058	14,781	14,312	78	84	27.188	200,039	846,891	4,234	3,765
29	35	97.279	15.663,221	230.161,628	14,694	14,226	79	85	23.486	162,250	646,852	3,987	3,518
30	36	97.161	14.689,381	214.498,407	14,602	14,134	80	86	20.018	129,856	484,601	3,732	3,263
31	37	97.035	13.774,976	199.809,026	14,505	14,036	81	87	16.663	101,490	354,746	3,495	3,027
32	38	96.899	12.916,110	186.034,050	14,403	13,935	82	88	13.492	77,160	253,256	3,282	2,813
33	39	96.752	12.109,391	173.117,940	14,296	13,827	83	89	10.617	57,016	176,095	3,089	2,620
34	40	96.590	11.351,255	161.008,549	14,184	13,715	84	90	8.122	40,954	119,080	2,908	2,439
35	41	96.413	10.639,012	149.657,294	14,067	13,598	85	91	6.045	28,622	78,126	2,730	2,261
36	42	96.217	9.969,364	139.018,283	13,945	13,476	86	92	4.341	19,301	49,504	2,565	2,096
37	43	96.001	9.339,822	129.048,919	13,817	13,348	87	93	2.993	12,493	30,203	2,418	1,949
38	44	95.760	8.747,821	119.709,097	13,684	13,216	88	94	1.974	7,736	17,710	2,289	1,821
39	45	95.495	8.191,180	110.961,276	13,546	13,078	89	95	1.247	4,588	9,974	2,174	1,705
40	46	95.197	7.667,215	102.770,096	13,404	12,935	90	96	754	2,605	5,387	2,068	1,599
41	47	94.862	7.173,957	95.102,881	13,257	12,788	91	97	436	1,414	2,782	1,968	1,499
42	48	94.498	6.710,239	87.928,924	13,104	12,635	92	98	239	0,728	1,368	1,879	1,410
43	49	94.089	6.273,470	81.218,686	12,946	12,478	93	99	124	0,356	0,640	1,798	1,329
44	50	93.631	5.861,858	74.945,216	12,785	12,316	94	100	61	0,165	0,284	1,724	1,255
45	51	93.144	5.475,455	69.083,359	12,617	12,148	95	101	29	0,072	0,119	1,657	1,188
46	52	92.599	5.111,218	63.607,903	12,445	11,976	96	102	13	0,030	0,047	1,595	1,127
47	53	92.006	4.768,516	58.496,685	12,267	11,799	97	103	5	0,011	0,018	1,540	1,071
48	54	91.371	4.446,613	53.728,169	12,083	11,614	98	104	2	0,004	0,006	1,489	1,020
49	55	90.682	4.143,715	49.281,556	11,893	11,424	99	105	1	0,001	0,002	1,442	0,974
							100	106					

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -7 Jahre

Zinsfuß 6,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	7	99.513	99.512,810	1.586.435,865	15,942	15,473	50	57	89.572	3.843,190	44.546,678	11,591	11,122
1	8	99.050	93.004,859	1.486.923,055	15,988	15,519	51	58	88.730	3.574,721	40.703,488	11,386	10,918
2	9	99.001	87.284,847	1.393.918,196	15,970	15,501	52	59	87.846	3.323,076	37.128,767	11,173	10,704
3	10	98.974	81.935,808	1.306.633,349	15,947	15,478	53	60	86.886	3.086,190	33.805,691	10,954	10,485
4	11	98.948	76.914,527	1.224.697,541	15,923	15,454	54	61	85.865	2.863,766	30.719,501	10,727	10,258
5	12	98.925	72.203,757	1.147.783,014	15,896	15,428	55	62	84.802	2.655,695	27.855,735	10,489	10,020
6	13	98.903	67.781,914	1.075.579,257	15,868	15,399	56	63	83.638	2.459,370	25.200,041	10,247	9,778
7	14	98.882	63.631,405	1.007.797,343	15,838	15,369	57	64	82.418	2.275,598	22.740,671	9,993	9,525
8	15	98.859	59.733,460	944.165,938	15,806	15,338	58	65	81.108	2.102,733	20.465,073	9,733	9,264
9	16	98.829	56.071,067	884.432,478	15,773	15,305	59	66	79.679	1.939,610	18.362,339	9,467	8,998
10	17	98.799	52.632,813	828.361,412	15,738	15,270	60	67	78.127	1.785,766	16.422,730	9,196	8,728
11	18	98.768	49.404,966	775.728,598	15,701	15,233	61	68	76.462	1.641,045	14.636,964	8,919	8,451
12	19	98.725	46.369,598	726.323,633	15,664	15,195	62	69	74.680	1.504,967	12.995,919	8,635	8,167
13	20	98.685	43.521,775	679.954,035	15,623	15,155	63	70	72.734	1.376,294	11.490,952	8,349	7,880
14	21	98.641	40.847,312	636.432,260	15,581	15,112	64	71	70.664	1.255,518	10.114,657	8,056	7,587
15	22	98.599	38.337,825	595.584,948	15,535	15,066	65	72	68.421	1.141,474	8.859,140	7,761	7,292
16	23	98.549	35.979,722	557.247,124	15,488	15,019	66	73	66.011	1.034,051	7.717,666	7,464	6,995
17	24	98.485	33.762,026	521.267,401	15,439	14,971	67	74	63.429	932,959	6.683,615	7,164	6,695
18	25	98.409	31.676,757	487.505,375	15,390	14,921	68	75	60.657	837,741	5.750,656	6,864	6,396
19	26	98.310	29.713,560	455.828,619	15,341	14,872	69	76	57.688	748,103	4.912,915	6,567	6,098
20	27	98.203	27.869,780	426.115,059	15,290	14,821	70	77	54.575	664,544	4.164,812	6,267	5,798
21	28	98.100	26.141,292	398.245,279	15,234	14,766	71	78	51.294	586,469	3.500,268	5,968	5,500
22	29	97.994	24.519,288	372.103,987	15,176	14,707	72	79	47.838	513,568	2.913,798	5,674	5,205
23	30	97.891	22.998,714	347.584,699	15,113	14,644	73	80	44.212	445,675	2.400,231	5,386	4,917
24	31	97.787	21.571,964	324.585,985	15,047	14,578	74	81	40.427	382,649	1.954,555	5,108	4,639
25	32	97.681	20.233,439	303.014,021	14,976	14,507	75	82	36.553	324,863	1.571,906	4,839	4,370
26	33	97.575	18.977,887	282.780,582	14,901	14,432	76	83	32.610	272,131	1.247,043	4,583	4,114
27	34	97.466	17.799,753	263.802,695	14,821	14,352	77	84	28.763	225,378	974,913	4,326	3,857
28	35	97.351	16.693,600	246.002,943	14,736	14,268	78	85	25.004	183,964	749,534	4,074	3,606
29	36	97.229	15.655,202	229.309,342	14,647	14,179	79	86	21.447	148,163	565,571	3,817	3,348
30	37	97.106	14.681,075	213.654,141	14,553	14,084	80	87	18.000	116,764	417,408	3,575	3,106
31	38	96.976	13.766,529	198.973,066	14,453	13,985	81	88	14.698	89,526	300,643	3,358	2,889
32	39	96.831	12.907,075	185.206,537	14,349	13,880	82	89	11.717	67,012	211,117	3,150	2,682
33	40	96.674	12.099,700	172.299,462	14,240	13,771	83	90	9.044	48,565	144,105	2,967	2,499
34	41	96.506	11.341,379	160.199,762	14,125	13,657	84	91	6.794	34,260	95,540	2,789	2,320
35	42	96.318	10.628,495	148.858,382	14,006	13,537	85	92	4.912	23,258	61,281	2,635	2,166
36	43	96.109	9.958,151	138.229,887	13,881	13,412	86	93	3.450	15,337	38,023	2,479	2,010
37	44	95.876	9.327,699	128.271,736	13,752	13,283	87	94	2.322	9,695	22,686	2,340	1,871
38	45	95.627	8.735,644	118.944,037	13,616	13,147	88	95	1.494	5,855	12,992	2,219	1,750
39	46	95.344	8.178,189	110.208,393	13,476	13,007	89	96	919	3,382	7,137	2,110	1,641
40	47	95.026	7.653,445	102.030,205	13,331	12,863	90	97	541	1,868	3,754	2,010	1,541
41	48	94.678	7.160,006	94.376,760	13,181	12,712	91	98	304	0,985	1,886	1,915	1,446
42	49	94.297	6.696,013	87.216,754	13,025	12,556	92	99	162	0,492	0,901	1,831	1,362
43	50	93.863	6.258,371	80.520,741	12,866	12,397	93	100	82	0,233	0,409	1,754	1,286
44	51	93.394	5.847,047	74.262,370	12,701	12,232	94	101	39	0,104	0,176	1,685	1,216
45	52	92.885	5.460,249	68.415,323	12,530	12,061	95	102	17	0,044	0,071	1,621	1,152
46	53	92.319	5.095,766	62.955,074	12,354	11,886	96	103	7	0,018	0,027	1,563	1,094
47	54	91.715	4.753,459	57.859,308	12,172	11,703	97	104	3	0,007	0,010	1,510	1,041
48	55	91.054	4.431,147	53.105,849	11,985	11,516	98	105	1	0,002	0,003	1,462	0,993
49	56	90.339	4.128,024	48.674,702	11,791	11,323	99	106					
							100	107					

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -8 Jahre

Zinsfuß 6,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	8	99.504	99.504,143	1.585.258,692	15,932	15,463	50	58	89.172	3.826,037	43.913,574	11,478	11,009
1	9	99.041	92.995,932	1.485.754,549	15,977	15,508	51	59	88.303	3.557,507	40.087,536	11,268	10,800
2	10	98.994	87.279,207	1.392.758,617	15,958	15,489	52	60	87.399	3.306,182	36.530,030	11,049	10,580
3	11	98.966	81.928,918	1.305.479,410	15,934	15,466	53	61	86.408	3.069,202	33.223,847	10,825	10,356
4	12	98.939	76.907,314	1.223.550,493	15,909	15,441	54	62	85.382	2.847,651	30.154,645	10,589	10,121
5	13	98.917	72.197,625	1.146.643,178	15,882	15,413	55	63	84.268	2.638,983	27.306,994	10,348	9,879
6	14	98.894	67.775,346	1.074.445,554	15,853	15,384	56	64	83.069	2.442,642	24.668,012	10,099	9,630
7	15	98.871	63.623,991	1.006.670,208	15,822	15,353	57	65	81.816	2.258,957	22.225,370	9,839	9,370
8	16	98.841	59.722,787	943.046,217	15,790	15,322	58	66	80.445	2.085,560	19.966,413	9,574	9,105
9	17	98.808	56.059,192	883.323,430	15,757	15,288	59	67	78.957	1.922,043	17.880,853	9,303	8,834
10	18	98.777	52.621,233	827.264,237	15,721	15,252	60	68	77.333	1.767,613	15.958,810	9,028	8,560
11	19	98.740	49.390,757	774.643,004	15,684	15,215	61	69	75.588	1.622,275	14.191,196	8,748	8,279
12	20	98.698	46.356,744	725.252,247	15,645	15,176	62	70	73.727	1.485,766	12.568,921	8,460	7,991
13	21	98.654	43.508,028	678.895,503	15,604	15,135	63	71	71.700	1.356,732	11.083,155	8,169	7,700
14	22	98.617	40.837,317	635.387,475	15,559	15,090	64	72	69.518	1.235,163	9.726,422	7,875	7,406
15	23	98.572	38.327,445	594.550,158	15,512	15,044	65	73	67.188	1.120,894	8.491,259	7,575	7,107
16	24	98.523	35.970,335	556.222,712	15,463	14,995	66	74	64.666	1.012,985	7.370,365	7,276	6,807
17	25	98.459	33.752,854	520.252,377	15,414	14,945	67	75	61.985	911,723	6.357,380	6,973	6,504
18	26	98.385	31.668,962	486.499,524	15,362	14,893	68	76	59.085	816,020	5.445,657	6,673	6,205
19	27	98.282	29.705,241	454.830,562	15,311	14,843	69	77	56.018	726,447	4.629,637	6,373	5,904
20	28	98.175	27.861,658	425.125,321	15,258	14,790	70	78	52.800	642,925	3.903,190	6,071	5,602
21	29	98.071	26.133,533	397.263,663	15,201	14,733	71	79	49.393	564,734	3.260,265	5,773	5,304
22	30	97.965	24.512,111	371.130,130	15,141	14,672	72	80	45.825	491,964	2.695,531	5,479	5,010
23	31	97.859	22.991,183	346.618,019	15,076	14,607	73	81	42.058	423,965	2.203,567	5,198	4,729
24	32	97.752	21.564,259	323.626,835	15,008	14,539	74	82	38.173	361,319	1.779,603	4,925	4,457
25	33	97.646	20.226,244	302.062,577	14,934	14,465	75	83	34.191	303,869	1.418,284	4,667	4,199
26	34	97.536	18.970,304	281.836,333	14,857	14,388	76	84	30.273	252,630	1.114,415	4,411	3,943
27	35	97.420	17.791,408	262.866,029	14,775	14,306	77	85	26.451	207,266	861,785	4,158	3,689
28	36	97.301	16.685,054	245.074,621	14,688	14,220	78	86	22.833	167,991	654,518	3,896	3,427
29	37	97.174	15.646,349	228.389,567	14,597	14,128	79	87	19.284	133,226	486,527	3,652	3,183
30	38	97.046	14.672,072	212.743,218	14,500	14,031	80	88	15.878	103,001	353,301	3,430	2,961
31	39	96.908	13.756,899	198.071,146	14,398	13,929	81	89	12.765	77,751	250,301	3,219	2,751
32	40	96.754	12.896,746	184.314,247	14,292	13,823	82	90	9.980	57,079	172,549	3,023	2,554
33	41	96.590	12.089,174	171.417,501	14,179	13,711	83	91	7.565	40,626	115,470	2,842	2,374
34	42	96.410	11.330,169	159.328,327	14,062	13,594	84	92	5.521	27,839	74,844	2,688	2,220
35	43	96.210	10.616,541	147.998,159	13,940	13,472	85	93	3.903	18,481	47,005	2,543	2,075
36	44	95.984	9.945,226	137.381,617	13,814	13,345	86	94	2.677	11,901	28,524	2,397	1,928
37	45	95.743	9.314,714	127.436,392	13,681	13,212	87	95	1.758	7,337	16,623	2,265	1,797
38	46	95.475	8.721,789	118.121,677	13,543	13,075	88	96	1.101	4,316	9,285	2,151	1,682
39	47	95.172	8.163,501	109.399,888	13,401	12,932	89	97	659	2,426	4,969	2,048	1,580
40	48	94.841	7.638,561	101.236,387	13,253	12,785	90	98	377	1,302	2,543	1,954	1,485
41	49	94.477	7.144,827	93.597,826	13,100	12,631	91	99	205	0,666	1,242	1,864	1,396
42	50	94.070	6.679,898	86.452,999	12,942	12,474	92	100	106	0,322	0,576	1,785	1,316
43	51	93.626	6.242,558	79.773,101	12,779	12,310	93	101	52	0,148	0,253	1,713	1,244
44	52	93.135	5.830,808	73.530,542	12,611	12,142	94	102	24	0,064	0,105	1,647	1,178
45	53	92.604	5.443,741	67.699,734	12,436	11,968	95	103	10	0,026	0,041	1,587	1,118
46	54	92.028	5.079,676	62.255,993	12,256	11,787	96	104	4	0,010	0,015	1,532	1,063
47	55	91.396	4.736,925	57.176,317	12,070	11,602	97	105	2	0,004	0,005	1,482	1,013
48	56	90.709	4.414,367	52.439,391	11,879	11,411	98	106					
49	57	89.976	4.111,451	48.025,025	11,681	11,212	99	107					
							100	108					

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -9 Jahre

Zinsfuß 6,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	9	99.495	99.494,592	1.583.992,967	15,920	15,452	50	59	88.743	3.807,613	43.237,134	11,355	10,887
1	10	99.034	92.989,923	1.484.498,375	15,964	15,495	51	60	87.854	3.539,421	39.429,521	11,140	10,671
2	11	98.986	87.271,868	1.391.508,452	15,945	15,476	52	61	86.918	3.287,984	35.890,100	10,916	10,447
3	12	98.957	81.921,234	1.304.236,584	15,921	15,452	53	62	85.922	3.051,931	32.602,116	10,682	10,214
4	13	98.930	76.900,783	1.222.315,350	15,895	15,426	54	63	84.845	2.829,731	29.550,185	10,443	9,974
5	14	98.907	72.190,629	1.145.414,567	15,867	15,398	55	64	83.695	2.621,033	26.720,454	10,195	9,726
6	15	98.882	67.767,449	1.073.223,938	15,837	15,368	56	65	82.461	2.424,779	24.099,422	9,939	9,470
7	16	98.853	63.612,623	1.005.456,489	15,806	15,337	57	66	81.147	2.240,508	21.674,643	9,674	9,205
8	17	98.820	59.710,139	941.843,866	15,774	15,305	58	67	79.717	2.066,672	19.434,135	9,404	8,935
9	18	98.787	56.046,858	882.133,727	15,739	15,270	59	68	78.154	1.902,506	17.367,463	9,129	8,660
10	19	98.749	52.606,100	826.086,869	15,703	15,235	60	69	76.448	1.747,396	15.464,958	8,850	8,382
11	20	98.712	49.377,066	773.480,769	15,665	15,196	61	70	74.623	1.601,578	13.717,561	8,565	8,096
12	21	98.667	46.342,102	724.103,703	15,625	15,156	62	71	72.679	1.464,648	12.115,983	8,272	7,804
13	22	98.630	43.497,383	677.761,601	15,582	15,113	63	72	70.538	1.334,737	10.651,335	7,980	7,511
14	23	98.590	40.826,261	634.264,218	15,536	15,067	64	73	68.265	1.212,894	9.316,598	7,681	7,213
15	24	98.546	38.317,445	593.437,957	15,487	15,019	65	74	65.819	1.098,059	8.103,704	7,380	6,911
16	25	98.496	35.960,563	555.120,512	15,437	14,968	66	75	63.194	989,927	7.005,645	7,077	6,608
17	26	98.434	33.744,548	519.159,949	15,385	14,916	67	76	60.378	888,085	6.015,718	6,774	6,305
18	27	98.357	31.660,096	485.415,401	15,332	14,863	68	77	57.374	792,398	5.127,633	6,471	6,002
19	28	98.254	29.696,584	453.755,305	15,280	14,811	69	78	54.195	702,814	4.335,235	6,168	5,700
20	29	98.145	27.853,388	424.058,721	15,225	14,756	70	79	50.843	619,097	3.632,421	5,867	5,399
21	30	98.042	26.125,883	396.205,333	15,165	14,696	71	80	47.315	540,977	3.013,325	5,570	5,101
22	31	97.933	24.504,085	370.079,450	15,103	14,634	72	81	43.593	467,998	2.472,347	5,283	4,814
23	32	97.824	22.982,971	345.575,364	15,036	14,567	73	82	39.714	400,331	2.004,349	5,007	4,538
24	33	97.717	21.556,591	322.592,394	14,965	14,496	74	83	35.707	337,969	1.604,018	4,746	4,277
25	34	97.607	20.218,162	301.035,803	14,889	14,421	75	84	31.741	282,094	1.266,049	4,488	4,019
26	35	97.490	18.961,410	280.817,641	14,811	14,341	76	85	27.840	232,329	983,955	4,235	3,766
27	36	97.370	17.782,299	261.856,231	14,726	14,257	77	86	24.155	189,271	751,626	3,971	3,502
28	37	97.246	16.675,619	244.073,931	14,637	14,168	78	87	20.531	151,055	562,356	3,723	3,254
29	38	97.115	15.636,755	227.398,312	14,543	14,074	79	88	17.011	117,522	411,301	3,500	3,031
30	39	96.979	14.661,809	211.761,557	14,443	13,974	80	89	13.790	89,453	293,779	3,284	2,815
31	40	96.830	13.745,890	197.099,749	14,339	13,870	81	90	10.873	66,227	204,326	3,085	2,617
32	41	96.670	12.885,526	183.353,859	14,229	13,761	82	91	8.349	47,749	138,099	2,892	2,423
33	42	96.495	12.077,224	170.468,333	14,115	13,646	83	92	6.148	33,013	90,350	2,737	2,268
34	43	96.302	11.317,426	158.391,109	13,995	13,527	84	93	4.387	22,121	57,338	2,592	2,123
35	44	96.085	10.602,761	147.073,683	13,871	13,403	85	94	3.029	14,341	35,216	2,456	1,987
36	45	95.851	9.931,382	136.470,922	13,741	13,273	86	95	2.026	9,008	20,875	2,317	1,849
37	46	95.591	9.299,941	126.539,540	13,606	13,138	87	96	1.296	5,409	11,867	2,194	1,725
38	47	95.304	8.706,125	117.239,599	13,466	12,998	88	97	790	3,096	6,458	2,086	1,617
39	48	94.987	8.147,626	108.533,474	13,321	12,852	89	98	459	1,690	3,362	1,989	1,521
40	49	94.640	7.622,368	100.385,849	13,170	12,701	90	99	255	0,880	1,672	1,900	1,432
41	50	94.250	7.127,632	92.763,480	13,015	12,546	91	100	134	0,436	0,792	1,816	1,347
42	51	93.833	6.663,020	85.635,849	12,852	12,384	92	101	67	0,204	0,356	1,741	1,272
43	52	93.366	6.225,221	78.972,828	12,686	12,217	93	102	32	0,091	0,152	1,673	1,204
44	53	92.853	5.813,180	72.747,607	12,514	12,046	94	103	14	0,038	0,061	1,611	1,142
45	54	92.312	5.426,553	66.934,427	12,335	11,866	95	104	6	0,015	0,023	1,554	1,085
46	55	91.707	5.062,007	61.507,874	12,151	11,682	96	105	2	0,005	0,008	1,502	1,033
47	56	91.050	4.718,987	56.445,867	11,961	11,493	97	106					
48	57	90.345	4.396,644	51.726,879	11,765	11,296	98	107					
49	58	89.574	4.093,101	47.330,235	11,563	11,095	99	108					
							100	109					

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -10 Jahre

Zinsfuß 6,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	10	99.488	99.488,163	1.582.633,458	15,908	15,439	50	60	88.292	3.788,256	42.515,533	11,223	10,754
1	11	99.026	92.982,103	1.483.145,295	15,951	15,482	51	61	87.371	3.519,939	38.727,277	11,002	10,534
2	12	98.977	87.263,683	1.390.163,192	15,931	15,462	52	62	86.429	3.269,482	35.207,338	10,768	10,300
3	13	98.948	81.914,277	1.302.899,509	15,906	15,437	53	63	85.381	3.032,726	31.937,857	10,531	10,062
4	14	98.921	76.893,332	1.220.985,232	15,879	15,410	54	64	84.267	2.810,483	28.905,131	10,285	9,816
5	15	98.896	72.182,217	1.144.091,900	15,850	15,381	55	65	83.083	2.601,866	26.094,648	10,029	9,560
6	16	98.865	67.755,341	1.071.909,683	15,820	15,352	56	66	81.788	2.404,975	23.492,782	9,768	9,300
7	17	98.832	63.599,152	1.004.154,342	15,789	15,320	57	67	80.412	2.220,216	21.087,807	9,498	9,029
8	18	98.798	59.697,002	940.555,191	15,755	15,287	58	68	78.906	2.045,664	18.867,591	9,223	8,754
9	19	98.758	56.030,740	880.858,189	15,721	15,252	59	69	77.260	1.880,746	16.821,927	8,944	8,476
10	20	98.722	52.591,517	824.827,449	15,684	15,215	60	70	75.473	1.725,103	14.941,182	8,661	8,192
11	21	98.681	49.361,470	772.235,932	15,645	15,176	61	71	73.563	1.578,814	13.216,079	8,371	7,902
12	22	98.643	46.330,763	722.874,463	15,602	15,134	62	72	71.501	1.440,903	11.637,265	8,076	7,608
13	23	98.603	43.485,606	676.543,699	15,558	15,089	63	73	69.266	1.310,673	10.196,362	7,779	7,311
14	24	98.565	40.815,609	633.058,093	15,510	15,041	64	74	66.874	1.188,184	8.885,689	7,478	7,010
15	25	98.520	38.307,035	592.242,484	15,460	14,992	65	75	64.321	1.073,065	7.697,505	7,173	6,705
16	26	98.472	35.951,714	553.935,448	15,408	14,939	66	76	61.556	964,261	6.624,439	6,870	6,401
17	27	98.407	33.735,101	517.983,734	15,354	14,886	67	77	58.630	862,376	5.660,179	6,563	6,095
18	28	98.328	31.650,869	484.248,633	15,300	14,831	68	78	55.508	766,619	4.797,802	6,258	5,790
19	29	98.225	29.687,769	452.597,764	15,245	14,777	69	79	52.187	676,766	4.031,183	5,957	5,488
20	30	98.117	27.845,235	422.909,995	15,188	14,719	70	80	48.704	593,054	3.354,417	5,656	5,187
21	31	98.010	26.117,329	395.064,759	15,127	14,658	71	81	45.010	514,624	2.761,363	5,366	4,897
22	32	97.898	24.495,332	368.947,430	15,062	14,593	72	82	41.163	441,910	2.246,739	5,084	4,615
23	33	97.790	22.974,798	344.452,098	14,993	14,524	73	83	37.147	374,460	1.804,829	4,820	4,351
24	34	97.678	21.547,977	321.477,299	14,919	14,450	74	84	33.148	313,751	1.430,369	4,559	4,090
25	35	97.561	20.208,683	299.929,322	14,842	14,373	75	85	29.190	259,425	1.116,618	4,304	3,835
26	36	97.440	18.951,702	279.720,638	14,760	14,291	76	86	25.423	212,157	857,194	4,040	3,572
27	37	97.315	17.772,244	260.768,936	14,673	14,204	77	87	21.720	170,189	645,037	3,790	3,321
28	38	97.186	16.665,393	242.996,692	14,581	14,112	78	88	18.111	133,249	474,848	3,564	3,095
29	39	97.047	15.625,817	226.331,298	14,484	14,016	79	89	14.774	102,064	341,598	3,347	2,878
30	40	96.901	14.650,075	210.705,482	14,383	13,914	80	90	11.746	76,194	239,534	3,144	2,675
31	41	96.746	13.733,931	196.055,406	14,275	13,807	81	91	9.096	55,401	163,340	2,948	2,480
32	42	96.574	12.872,789	182.321,475	14,163	13,695	82	92	6.784	38,801	107,939	2,782	2,313
33	43	96.386	12.063,641	169.448,686	14,046	13,577	83	93	4.885	26,232	69,138	2,636	2,167
34	44	96.177	11.302,736	157.385,045	13,925	13,456	84	94	3.404	17,166	42,906	2,499	2,031
35	45	95.951	10.588,002	146.082,310	13,797	13,328	85	95	2.293	10,854	25,740	2,371	1,903
36	46	95.699	9.915,630	135.494,308	13,665	13,196	86	96	1.494	6,641	14,885	2,242	1,773
37	47	95.419	9.283,239	125.578,677	13,527	13,059	87	97	929	3,879	8,244	2,125	1,656
38	48	95.118	8.689,195	116.295,439	13,384	12,915	88	98	550	2,157	4,365	2,024	1,555
39	49	94.786	8.130,353	107.606,244	13,235	12,766	89	99	310	1,143	2,208	1,933	1,464
40	50	94.412	7.604,023	99.475,891	13,082	12,613	90	100	167	0,576	1,066	1,849	1,380
41	51	94.011	7.109,623	91.871,868	12,922	12,453	91	101	85	0,277	0,489	1,770	1,301
42	52	93.572	6.644,516	84.762,245	12,757	12,288	92	102	41	0,125	0,213	1,699	1,230
43	53	93.084	6.206,401	78.117,729	12,587	12,118	93	103	19	0,054	0,088	1,635	1,166
44	54	92.560	5.794,825	71.911,328	12,410	11,941	94	104	8	0,022	0,034	1,576	1,107
45	55	91.991	5.407,678	66.116,503	12,226	11,758	95	105	3	0,008	0,012	1,522	1,053
46	56	91.360	5.042,838	60.708,825	12,039	11,570	96	106					
47	57	90.685	4.700,042	55.665,987	11,844	11,375	97	107					
48	58	89.941	4.377,022	50.965,945	11,644	11,175	98	108					
49	59	89.143	4.073,390	46.588,923	11,437	10,969	99	109					
							100	110					

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -11 Jahre

Zinsfuß 6,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	11	99.480	99.479,797	1.581.170,378	15,894	15,426	50	61	87.806	3.767,404	41.746,539	11,081	10,612
1	12	99.017	92.973,383	1.481.690,581	15,937	15,468	51	62	86.879	3.500,131	37.979,135	10,851	10,382
2	13	98.968	87.256,272	1.388.717,198	15,915	15,447	52	63	85.885	3.248,907	34.479,003	10,612	10,144
3	14	98.939	81.906,340	1.301.460,926	15,890	15,421	53	64	84.800	3.012,097	31.230,096	10,368	9,899
4	15	98.909	76.884,372	1.219.554,586	15,862	15,393	54	65	83.651	2.789,931	28.217,999	10,114	9,645
5	16	98.878	72.169,321	1.142.670,214	15,833	15,364	55	66	82.405	2.580,615	25.428,068	9,853	9,385
6	17	98.844	67.740,992	1.070.500,893	15,803	15,334	56	67	81.047	2.383,194	22.847,453	9,587	9,118
7	18	98.810	63.585,159	1.002.759,901	15,770	15,302	57	68	79.595	2.197,648	20.464,259	9,312	8,843
8	19	98.770	59.679,834	939.174,743	15,737	15,268	58	69	78.004	2.022,266	18.266,611	9,033	8,564
9	20	98.731	56.015,207	879.494,909	15,701	15,232	59	70	76.275	1.856,751	16.244,345	8,749	8,280
10	21	98.690	52.574,905	823.479,702	15,663	15,194	60	71	74.400	1.700,583	14.387,594	8,460	7,992
11	22	98.657	49.349,392	770.904,796	15,621	15,153	61	72	72.370	1.553,218	12.687,011	8,168	7,699
12	23	98.616	46.318,220	721.555,404	15,578	15,109	62	73	70.212	1.414,925	11.133,793	7,869	7,400
13	24	98.577	43.474,261	675.237,184	15,532	15,063	63	74	67.855	1.283,971	9.718,868	7,569	7,101
14	25	98.538	40.804,521	631.762,923	15,483	15,014	64	75	65.352	1.161,139	8.434,897	7,264	6,796
15	26	98.495	38.297,609	590.958,403	15,431	14,962	65	76	62.653	1.045,243	7.273,758	6,959	6,490
16	27	98.445	35.941,649	552.660,794	15,377	14,908	66	77	59.774	936,347	6.228,515	6,652	6,183
17	28	98.378	33.725,270	516.719,145	15,321	14,853	67	78	56.723	834,321	5.292,167	6,343	5,874
18	29	98.299	31.641,475	482.993,875	15,265	14,796	68	79	53.450	738,207	4.457,847	6,039	5,570
19	30	98.196	29.679,080	451.352,401	15,208	14,739	69	80	49.992	648,297	3.719,640	5,738	5,269
20	31	98.085	27.836,118	421.673,321	15,148	14,680	70	81	46.332	564,163	3.071,343	5,444	4,975
21	32	97.975	26.108,000	393.837,203	15,085	14,616	71	82	42.501	485,937	2.507,179	5,159	4,691
22	33	97.863	24.486,622	367.729,203	15,018	14,549	72	83	38.503	413,352	2.021,242	4,890	4,421
23	34	97.751	22.965,618	343.242,580	14,946	14,477	73	84	34.485	347,627	1.607,890	4,625	4,157
24	35	97.632	21.537,875	320.276,962	14,870	14,402	74	85	30.484	288,537	1.260,263	4,368	3,899
25	36	97.511	20.198,337	298.739,087	14,790	14,322	75	86	26.655	236,900	971,726	4,102	3,633
26	37	97.385	18.940,986	278.540,749	14,706	14,237	76	87	22.860	190,768	734,826	3,852	3,383
27	38	97.256	17.761,346	259.599,763	14,616	14,147	77	88	19.159	150,128	544,057	3,624	3,155
28	39	97.118	16.653,736	241.838,417	14,522	14,053	78	89	15.729	115,723	393,930	3,404	2,935
29	40	96.969	15.613,312	225.184,682	14,423	13,954	79	90	12.584	86,936	278,206	3,200	2,731
30	41	96.817	14.637,330	209.571,370	14,318	13,849	80	91	9.826	63,739	191,270	3,001	2,532
31	42	96.650	13.720,355	194.934,040	14,208	13,739	81	92	7.391	45,019	127,531	2,833	2,364
32	43	96.465	12.858,312	181.213,684	14,093	13,624	82	93	5.391	30,831	82,512	2,676	2,208
33	44	96.261	12.047,982	168.355,373	13,974	13,505	83	94	3.791	20,357	51,681	2,539	2,070
34	45	96.043	11.287,002	156.307,391	13,848	13,380	84	95	2.577	12,993	31,324	2,411	1,942
35	46	95.799	10.571,209	145.020,389	13,718	13,250	85	96	1.690	8,002	18,332	2,291	1,822
36	47	95.527	9.897,822	134.449,180	13,584	13,115	86	97	1.071	4,762	10,330	2,169	1,700
37	48	95.233	9.265,186	124.551,357	13,443	12,974	87	98	648	2,703	5,567	2,060	1,591
38	49	94.917	8.670,774	115.286,171	13,296	12,827	88	99	372	1,458	2,864	1,964	1,496
39	50	94.558	8.110,786	106.615,397	13,145	12,676	89	100	203	0,748	1,406	1,879	1,410
40	51	94.174	7.584,811	98.504,612	12,987	12,518	90	101	106	0,365	0,658	1,800	1,331
41	52	93.750	7.089,878	90.919,801	12,824	12,355	91	102	52	0,169	0,292	1,725	1,256
42	53	93.289	6.624,428	83.829,923	12,655	12,186	92	103	24	0,074	0,123	1,659	1,190
43	54	92.790	6.186,804	77.205,495	12,479	12,010	93	104	11	0,031	0,049	1,598	1,129
44	55	92.238	5.774,669	71.018,691	12,298	11,830	94	105	4	0,012	0,018	1,543	1,074
45	56	91.642	5.387,200	65.244,022	12,111	11,642	95	106					
46	57	90.993	5.022,593	59.856,822	11,918	11,449	96	107					
47	58	90.280	4.679,065	54.834,230	11,719	11,250	97	108					
48	59	89.508	4.355,944	50.155,164	11,514	11,045	98	109					
49	60	88.690	4.052,682	45.799,221	11,301	10,832	99	110					
							100	111					

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -12 Jahre

Zinsfuß 6,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	12	99.470	99.470,467	1.579.598,760	15,880	15,411	50	62	87.312	3.746,204	40.928,445	10,925	10,457
1	13	99.008	92.965,487	1.480.128,293	15,921	15,453	51	63	86.332	3.478,105	37.182,241	10,690	10,222
2	14	98.959	87.247,818	1.387.162,806	15,899	15,430	52	64	85.301	3.226,809	33.704,136	10,445	9,976
3	15	98.927	81.896,796	1.299.914,988	15,873	15,404	53	65	84.180	2.990,071	30.477,327	10,193	9,724
4	16	98.891	76.870,635	1.218.018,192	15,845	15,376	54	66	82.968	2.767,144	27.487,257	9,933	9,465
5	17	98.857	72.154,037	1.141.147,557	15,815	15,347	55	67	81.658	2.557,244	24.720,112	9,667	9,198
6	18	98.822	67.726,087	1.068.993,520	15,784	15,315	56	68	80.223	2.358,969	22.162,869	9,395	8,926
7	19	98.782	63.566,872	1.001.267,432	15,751	15,283	57	69	78.685	2.172,512	19.803,900	9,116	8,647
8	20	98.742	59.663,290	937.700,560	15,717	15,248	58	70	77.009	1.996,466	17.631,388	8,831	8,363
9	21	98.700	55.997,515	878.037,270	15,680	15,211	59	71	75.191	1.830,360	15.634,922	8,542	8,073
10	22	98.666	52.562,042	822.039,756	15,639	15,171	60	72	73.194	1.673,012	13.804,562	8,251	7,783
11	23	98.630	49.336,031	769.477,714	15,597	15,128	61	73	71.065	1.525,215	12.131,550	7,954	7,485
12	24	98.590	46.306,135	720.141,682	15,552	15,083	62	74	68.781	1.386,100	10.606,335	7,652	7,183
13	25	98.551	43.462,450	673.835,547	15,504	15,035	63	75	66.310	1.254,746	9.220,235	7,348	6,880
14	26	98.514	40.794,480	630.373,098	15,452	14,984	64	76	63.658	1.131,034	7.965,490	7,043	6,574
15	27	98.468	38.286,887	589.578,618	15,399	14,930	65	77	60.839	1.014,985	6.834,456	6,734	6,265
16	28	98.416	35.931,174	551.291,730	15,343	14,874	66	78	57.829	905,885	5.819,470	6,424	5,955
17	29	98.349	33.715,259	515.360,556	15,286	14,817	67	79	54.620	803,399	4.913,585	6,116	5,647
18	30	98.270	31.632,213	481.645,297	15,226	14,758	68	80	51.202	707,153	4.110,186	5,812	5,344
19	31	98.164	29.669,362	450.013,084	15,168	14,699	69	81	47.556	616,716	3.403,033	5,518	5,049
20	32	98.050	27.826,175	420.343,722	15,106	14,637	70	82	43.749	532,715	2.786,317	5,230	4,762
21	33	97.940	26.098,717	392.517,547	15,040	14,571	71	83	39.755	454,534	2.253,602	4,958	4,489
22	34	97.824	24.476,838	366.418,830	14,970	14,501	72	84	35.744	383,732	1.799,068	4,688	4,220
23	35	97.705	22.954,852	341.941,992	14,896	14,428	73	85	31.714	319,691	1.415,336	4,427	3,958
24	36	97.582	21.526,849	318.987,140	14,818	14,349	74	86	27.837	263,485	1.095,645	4,158	3,690
25	37	97.456	20.186,916	297.460,291	14,735	14,267	75	87	23.968	213,017	832,160	3,907	3,438
26	38	97.325	18.929,371	277.273,375	14,648	14,179	76	88	20.165	168,281	619,143	3,679	3,210
27	39	97.188	17.748,922	258.344,004	14,555	14,087	77	89	16.639	130,382	450,862	3,458	2,989
28	40	97.040	16.640,408	240.595,083	14,458	13,990	78	90	13.397	98,570	320,480	3,251	2,783
29	41	96.885	15.599,729	223.954,674	14,356	13,888	79	91	10.527	72,725	221,909	3,051	2,583
30	42	96.721	14.622,861	208.354,946	14,249	13,780	80	92	7.985	51,794	149,184	2,880	2,412
31	43	96.542	13.704,924	193.732,084	14,136	13,667	81	93	5.873	35,772	97,390	2,722	2,254
32	44	96.340	12.841,621	180.027,160	14,019	13,550	82	94	4.183	23,925	61,617	2,575	2,107
33	45	96.127	12.031,211	167.185,539	13,896	13,427	83	95	2.869	15,407	37,692	2,446	1,978
34	46	95.891	11.269,101	155.154,328	13,768	13,299	84	96	1.900	9,578	22,285	2,327	1,858
35	47	95.627	10.552,223	143.885,227	13,636	13,167	85	97	1.212	5,739	12,706	2,214	1,745
36	48	95.341	9.878,574	133.333,003	13,497	13,028	86	98	746	3,318	6,968	2,100	1,631
37	49	95.032	9.245,544	123.454,429	13,353	12,884	87	99	438	1,827	3,649	1,997	1,528
38	50	94.688	8.649,906	114.208,885	13,203	12,735	88	100	244	0,955	1,822	1,908	1,439
39	51	94.319	8.090,293	105.558,979	13,048	12,579	89	101	129	0,474	0,867	1,827	1,359
40	52	93.912	7.563,746	97.468,686	12,886	12,418	90	102	65	0,224	0,393	1,753	1,284
41	53	93.467	7.068,443	89.904,940	12,719	12,250	91	103	31	0,100	0,169	1,683	1,214
42	54	92.995	6.603,511	82.836,497	12,544	12,076	92	104	14	0,042	0,068	1,620	1,152
43	55	92.467	6.165,285	76.232,986	12,365	11,896	93	105	6	0,017	0,026	1,563	1,094
44	56	91.889	5.752,801	70.067,701	12,180	11,711	94	106					
45	57	91.274	5.365,571	64.314,899	11,987	11,518	95	107					
46	58	90.587	5.000,176	58.949,328	11,789	11,321	96	108					
47	59	89.845	4.656,533	53.949,151	11,586	11,117	97	109					
48	60	89.053	4.333,799	49.292,619	11,374	10,905	98	110					
49	61	88.202	4.030,375	44.958,820	11,155	10,686	99	111					
							100	112					

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -13 Jahre

Zinsfuß 6,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	13	99.462	99.462,020	1.577.912,352	15,864	15,396	50	63	86.762	3.722,629	40.058,278	10,761	10,292
1	14	98.999	92.956,480	1.478.450,332	15,905	15,436	51	64	85.745	3.454,448	36.335,649	10,519	10,050
2	15	98.947	87.237,651	1.385.493,852	15,882	15,413	52	65	84.677	3.203,211	32.881,201	10,265	9,796
3	16	98.910	81.882,164	1.298.256,201	15,855	15,386	53	66	83.493	2.965,649	29.677,990	10,007	9,539
4	17	98.871	76.854,356	1.216.374,037	15,827	15,358	54	67	82.217	2.742,083	26.712,340	9,742	9,273
5	18	98.836	72.138,162	1.139.519,681	15,796	15,328	55	68	80.828	2.531,249	23.970,257	9,470	9,001
6	19	98.794	67.706,610	1.067.381,520	15,765	15,296	56	69	79.306	2.331,988	21.439,008	9,193	8,725
7	20	98.755	63.549,251	999.674,910	15,731	15,262	57	70	77.681	2.144,795	19.107,020	8,909	8,440
8	21	98.711	59.644,445	936.125,659	15,695	15,226	58	71	75.914	1.968,089	16.962,225	8,619	8,150
9	22	98.675	55.983,814	876.481,214	15,656	15,187	59	72	73.972	1.800,686	14.994,136	8,327	7,858
10	23	98.639	52.547,811	820.497,400	15,614	15,146	60	73	71.874	1.642,849	13.193,450	8,031	7,562
11	24	98.604	49.323,159	767.949,589	15,570	15,101	61	74	69.617	1.494,143	11.550,601	7,731	7,262
12	25	98.563	46.293,555	718.626,430	15,523	15,055	62	75	67.216	1.354,550	10.056,458	7,424	6,955
13	26	98.526	43.451,755	672.332,875	15,473	15,004	63	76	64.591	1.222,213	8.701,908	7,120	6,651
14	27	98.486	40.783,059	628.881,120	15,420	14,951	64	77	61.815	1.098,292	7.479,695	6,810	6,342
15	28	98.439	38.275,729	588.098,061	15,365	14,896	65	78	58.860	981,965	6.381,403	6,499	6,030
16	29	98.387	35.920,509	549.822,331	15,307	14,838	66	79	55.686	872,311	5.399,438	6,190	5,721
17	30	98.320	33.705,390	513.901,822	15,247	14,778	67	80	52.323	769,603	4.527,126	5,882	5,414
18	31	98.238	31.621,856	480.196,432	15,186	14,717	68	81	48.708	672,705	3.757,523	5,586	5,117
19	32	98.129	29.658,764	448.574,576	15,125	14,656	69	82	44.905	582,338	3.084,818	5,297	4,829
20	33	98.015	27.816,281	418.915,812	15,060	14,591	70	83	40.922	498,289	2.502,481	5,022	4,553
21	34	97.901	26.088,288	391.099,531	14,991	14,523	71	84	36.906	421,963	2.004,192	4,750	4,281
22	35	97.778	24.465,363	365.011,243	14,920	14,451	72	85	32.871	352,895	1.582,229	4,484	4,015
23	36	97.655	22.943,100	340.545,880	14,843	14,374	73	86	28.961	291,934	1.229,335	4,211	3,742
24	37	97.527	21.514,676	317.602,780	14,762	14,293	74	87	25.031	236,922	937,400	3,957	3,488
25	38	97.397	20.174,537	296.088,104	14,676	14,208	75	88	21.143	187,907	700,478	3,728	3,259
26	39	97.257	18.916,130	275.913,567	14,586	14,117	76	89	17.513	146,147	512,571	3,507	3,038
27	40	97.110	17.734,718	256.997,437	14,491	14,022	77	90	14.173	111,056	366,424	3,299	2,831
28	41	96.956	16.625,932	239.262,719	14,391	13,922	78	91	11.207	82,458	255,368	3,097	2,628
29	42	96.789	15.584,308	222.636,788	14,286	13,817	79	92	8.554	59,097	172,910	2,926	2,457
30	43	96.612	14.606,415	207.052,479	14,175	13,707	80	93	6.345	41,156	113,813	2,765	2,297
31	44	96.416	13.687,135	192.446,064	14,060	13,592	81	94	4.558	27,760	72,657	2,617	2,149
32	45	96.206	12.823,746	178.758,929	13,940	13,471	82	95	3.166	18,108	44,897	2,479	2,011
33	46	95.975	12.012,129	165.935,183	13,814	13,345	83	96	2.115	11,358	26,789	2,359	1,890
34	47	95.718	11.248,862	153.923,054	13,683	13,215	84	97	1.362	6,869	15,430	2,246	1,778
35	48	95.441	10.531,703	142.674,192	13,547	13,078	85	98	845	3,999	8,561	2,141	1,672
36	49	95.139	9.857,633	132.142,489	13,405	12,936	86	99	505	2,243	4,563	2,034	1,565
37	50	94.803	9.223,293	122.284,857	13,258	12,790	87	100	287	1,197	2,319	1,938	1,469
38	51	94.449	8.628,051	113.061,564	13,104	12,635	88	101	154	0,606	1,122	1,854	1,385
39	52	94.057	8.067,824	104.433,513	12,944	12,476	89	102	79	0,291	0,517	1,778	1,309
40	53	93.628	7.540,879	96.365,689	12,779	12,310	90	103	38	0,132	0,226	1,709	1,240
41	54	93.172	7.046,125	88.824,810	12,606	12,137	91	104	18	0,057	0,094	1,642	1,174
42	55	92.671	6.580,542	81.778,685	12,427	11,959	92	105	8	0,023	0,037	1,584	1,115
43	56	92.117	6.141,938	75.198,143	12,243	11,775	93	106					
44	57	91.520	5.729,706	69.056,205	12,052	11,584	94	107					
45	58	90.867	5.341,624	63.326,499	11,855	11,387	95	108					
46	59	90.151	4.976,097	57.984,875	11,653	11,184	96	109					
47	60	89.388	4.632,860	53.008,777	11,442	10,973	97	110					
48	61	88.563	4.309,945	48.375,917	11,224	10,756	98	111					
49	62	87.705	4.007,695	44.065,973	10,995	10,527	99	112					
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -14 Jahre

Zinsfuß 6,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	14	99.452	99.452,383	1.576.102,579	15,848	15,379	50	64	86.172	3.697,308	39.135,101	10,585	10,116
1	15	98.987	92.945,648	1.476.650,196	15,887	15,419	51	65	85.118	3.429,186	35.437,793	10,334	9,865
2	16	98.929	87.222,065	1.383.704,548	15,864	15,395	52	66	83.985	3.177,050	32.008,607	10,075	9,606
3	17	98.889	81.864,823	1.296.482,483	15,837	15,368	53	67	82.737	2.938,791	28.831,557	9,811	9,342
4	18	98.849	76.837,446	1.214.617,660	15,808	15,339	54	68	81.381	2.714,210	25.892,766	9,540	9,071
5	19	98.807	72.117,415	1.137.780,214	15,777	15,308	55	69	79.904	2.502,298	23.178,556	9,263	8,794
6	20	98.766	67.687,841	1.065.662,799	15,744	15,275	56	70	78.294	2.302,236	20.676,258	8,981	8,512
7	21	98.723	63.529,178	997.974,958	15,709	15,240	57	71	76.577	2.114,310	18.374,022	8,690	8,222
8	22	98.687	59.629,852	934.445,779	15,671	15,202	58	72	74.683	1.936,182	16.259,712	8,398	7,929
9	23	98.649	55.968,657	874.815,927	15,630	15,162	59	73	72.638	1.768,221	14.323,530	8,101	7,632
10	24	98.614	52.534,101	818.847,271	15,587	15,118	60	74	70.410	1.609,381	12.555,310	7,801	7,333
11	25	98.578	49.309,759	766.313,170	15,541	15,072	61	75	68.033	1.460,133	10.945,929	7,497	7,028
12	26	98.539	46.282,163	717.003,410	15,492	15,023	62	76	65.473	1.319,429	9.485,796	7,189	6,721
13	27	98.499	43.439,590	670.721,247	15,440	14,972	63	77	62.721	1.186,832	8.166,366	6,881	6,412
14	28	98.457	40.771,174	627.281,656	15,385	14,917	64	78	59.804	1.062,562	6.979,534	6,569	6,100
15	29	98.410	38.264,368	586.510,483	15,328	14,859	65	79	56.679	945,572	5.916,972	6,258	5,789
16	30	98.358	35.909,995	548.246,114	15,267	14,798	66	80	53.343	835,617	4.971,400	5,949	5,481
17	31	98.288	33.694,355	512.336,119	15,205	14,737	67	81	49.774	732,113	4.135,784	5,649	5,180
18	32	98.203	31.610,560	478.641,765	15,142	14,673	68	82	45.993	635,206	3.403,671	5,358	4,890
19	33	98.094	29.648,218	447.031,204	15,078	14,609	69	83	42.003	544,704	2.768,466	5,083	4,614
20	34	97.976	27.805,166	417.382,986	15,011	14,542	70	84	37.989	462,582	2.223,761	4,807	4,339
21	35	97.855	26.076,057	389.577,820	14,940	14,471	71	85	33.940	388,053	1.761,179	4,538	4,070
22	36	97.728	24.452,838	363.501,763	14,865	14,397	72	86	30.017	322,255	1.373,126	4,261	3,792
23	37	97.599	22.930,126	339.048,925	14,786	14,317	73	87	26.041	262,503	1.050,871	4,003	3,535
24	38	97.467	21.501,483	316.118,799	14,702	14,233	74	88	22.080	208,994	788,368	3,772	3,303
25	39	97.328	20.160,425	294.617,316	14,614	14,145	75	89	18.362	163,192	579,374	3,550	3,082
26	40	97.179	18.900,992	274.456,891	14,521	14,052	76	90	14.917	124,485	416,181	3,343	2,874
27	41	97.025	17.719,289	255.555,899	14,422	13,954	77	91	11.856	92,903	291,696	3,140	2,671
28	42	96.860	16.609,497	237.836,610	14,319	13,851	78	92	9.107	67,005	198,794	2,967	2,498
29	43	96.680	15.566,781	221.227,113	14,211	13,743	79	93	6.797	46,959	131,789	2,806	2,338
30	44	96.487	14.587,456	205.660,332	14,098	13,630	80	94	4.923	31,938	84,830	2,656	2,187
31	45	96.282	13.668,083	191.072,876	13,979	13,511	81	95	3.449	21,010	52,892	2,517	2,049
32	46	96.053	12.803,407	177.404,794	13,856	13,387	82	96	2.334	13,350	31,882	2,388	1,919
33	47	95.802	11.990,556	164.601,386	13,728	13,259	83	97	1.517	8,146	18,532	2,275	1,806
34	48	95.532	11.226,987	152.610,831	13,593	13,124	84	98	949	4,786	10,386	2,170	1,701
35	49	95.239	10.509,377	141.383,844	13,453	12,984	85	99	571	2,703	5,600	2,072	1,603
36	50	94.910	9.833,908	130.874,467	13,308	12,840	86	100	331	1,469	2,897	1,971	1,503
37	51	94.563	9.199,989	121.040,559	13,157	12,688	87	101	182	0,759	1,428	1,881	1,412
38	52	94.187	8.604,089	111.840,570	12,999	12,530	88	102	95	0,371	0,669	1,802	1,334
39	53	93.773	8.043,433	103.236,482	12,835	12,366	89	103	47	0,172	0,298	1,732	1,263
40	54	93.332	7.517,068	95.193,048	12,664	12,195	90	104	22	0,075	0,126	1,666	1,197
41	55	92.848	7.021,616	87.675,980	12,487	12,018	91	105	10	0,031	0,050	1,604	1,135
42	56	92.320	6.555,623	80.654,363	12,303	11,834	92	106					
43	57	91.747	6.117,280	74.098,741	12,113	11,644	93	107					
44	58	91.111	5.704,133	67.981,461	11,918	11,449	94	108					
45	59	90.429	5.315,901	62.277,327	11,715	11,247	95	109					
46	60	89.693	4.950,800	56.961,426	11,505	11,037	96	110					
47	61	88.896	4.607,359	52.010,626	11,289	10,820	97	111					
48	62	88.065	4.285,691	47.403,267	11,061	10,592	98	112					
49	63	87.153	3.982,475	43.117,576	10,827	10,358	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -15 Jahre

Zinsfuß 6,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	15	99.441	99.440,794	1.574.162,572	15,830	15,361	50	65	85.542	3.670,271	38.157,312	10,396	9,928
1	16	98.969	92.929,041	1.474.721,778	15,869	15,401	51	66	84.423	3.401,179	34.487,042	10,140	9,671
2	17	98.908	87.203,593	1.381.792,737	15,846	15,377	52	67	83.225	3.148,276	31.085,863	9,874	9,405
3	18	98.867	81.846,811	1.294.589,144	15,817	15,348	53	68	81.896	2.908,918	27.937,587	9,604	9,135
4	19	98.820	76.815,348	1.212.742,332	15,788	15,319	54	69	80.450	2.683,166	25.028,669	9,328	8,859
5	20	98.780	72.097,424	1.135.926,984	15,755	15,287	55	70	78.884	2.470,373	22.345,502	9,045	8,577
6	21	98.735	67.666,462	1.063.829,560	15,722	15,253	56	71	77.181	2.269,513	19.875,129	8,757	8,289
7	22	98.699	63.513,635	996.163,099	15,684	15,215	57	72	75.335	2.080,032	17.605,616	8,464	7,995
8	23	98.660	59.613,708	932.649,464	15,645	15,176	58	73	73.337	1.901,274	15.525,584	8,166	7,697
9	24	98.623	55.954,054	873.035,756	15,603	15,134	59	74	71.158	1.732,198	13.624,310	7,865	7,397
10	25	98.587	52.519,829	817.081,702	15,558	15,089	60	75	68.807	1.572,749	11.892,112	7,561	7,093
11	26	98.553	49.297,626	764.561,873	15,509	15,040	61	76	66.269	1.422,276	10.319,363	7,256	6,787
12	27	98.512	46.269,206	715.264,247	15,459	14,990	62	77	63.578	1.281,234	8.897,088	6,944	6,475
13	28	98.470	43.426,931	668.995,041	15,405	14,936	63	78	60.681	1.148,222	7.615,854	6,633	6,164
14	29	98.428	40.759,072	625.568,111	15,348	14,879	64	79	57.587	1.023,181	6.467,632	6,321	5,852
15	30	98.381	38.253,168	584.809,039	15,288	14,819	65	80	54.294	905,795	5.444,451	6,011	5,542
16	31	98.326	35.898,237	546.555,871	15,225	14,756	66	81	50.745	794,910	4.538,656	5,710	5,241
17	32	98.253	33.682,319	510.657,633	15,161	14,692	67	82	46.999	691,302	3.743,746	5,416	4,947
18	33	98.168	31.599,320	476.975,314	15,094	14,626	68	83	43.020	594,156	3.052,444	5,137	4,669
19	34	98.055	29.636,371	445.375,994	15,028	14,559	69	84	38.993	505,672	2.458,288	4,861	4,393
20	35	97.930	27.792,130	415.739,623	14,959	14,490	70	85	34.936	425,408	1.952,616	4,590	4,121
21	36	97.805	26.062,708	387.947,492	14,885	14,416	71	86	30.993	354,361	1.527,207	4,310	3,841
22	37	97.673	24.439,011	361.884,785	14,808	14,339	72	87	26.991	289,767	1.172,847	4,048	3,579
23	38	97.540	22.916,065	337.445,774	14,725	14,257	73	88	22.971	231,560	883,080	3,814	3,345
24	39	97.399	21.486,443	314.529,709	14,639	14,170	74	89	19.176	181,506	651,520	3,590	3,121
25	40	97.251	20.144,291	293.043,266	14,547	14,078	75	90	15.640	139,003	470,014	3,381	2,913
26	41	97.095	18.884,548	272.898,975	14,451	13,982	76	91	12.479	104,136	331,011	3,179	2,710
27	42	96.930	17.701,774	254.014,427	14,350	13,881	77	92	9.634	75,493	226,875	3,005	2,537
28	43	96.751	16.590,817	236.312,653	14,244	13,775	78	93	7.237	53,243	151,382	2,843	2,374
29	44	96.555	15.546,575	219.721,836	14,133	13,664	79	94	5.275	36,440	98,139	2,693	2,224
30	45	96.352	14.567,150	204.175,261	14,016	13,547	80	95	3.726	24,172	61,699	2,552	2,084
31	46	96.129	13.646,405	189.608,111	13,894	13,426	81	96	2.543	15,489	37,526	2,423	1,954
32	47	95.881	12.780,412	175.961,706	13,768	13,299	82	97	1.674	9,574	22,037	2,302	1,833
33	48	95.616	11.967,238	163.181,294	13,636	13,167	83	98	1.057	5,676	12,463	2,196	1,727
34	49	95.330	11.203,186	151.214,055	13,497	13,029	84	99	642	3,236	6,788	2,098	1,629
35	50	95.009	10.484,083	140.010,869	13,355	12,886	85	100	374	1,771	3,552	2,006	1,537
36	51	94.670	9.809,061	129.526,786	13,205	12,736	86	101	210	0,932	1,781	1,912	1,443
37	52	94.301	9.174,439	119.717,725	13,049	12,580	87	102	111	0,465	0,850	1,828	1,359
38	53	93.902	8.578,077	110.543,286	12,887	12,418	88	103	56	0,219	0,385	1,754	1,285
39	54	93.477	8.018,036	101.965,209	12,717	12,248	89	104	27	0,098	0,165	1,687	1,218
40	55	93.008	7.490,922	93.947,173	12,541	12,073	90	105	12	0,041	0,067	1,626	1,157
41	56	92.496	6.995,027	86.456,251	12,360	11,891	91	106					
42	57	91.950	6.529,304	79.461,225	12,170	11,701	92	107					
43	58	91.337	6.089,978	72.931,921	11,976	11,507	93	108					
44	59	90.673	5.676,664	66.841,943	11,775	11,306	94	109					
45	60	89.970	5.288,876	61.165,279	11,565	11,096	95	110					
46	61	89.199	4.923,550	55.876,402	11,349	10,880	96	111					
47	62	88.396	4.581,432	50.952,853	11,122	10,653	97	112					
48	63	87.511	4.258,722	46.371,420	10,889	10,420	98						
49	64	86.560	3.955,387	42.112,699	10,647	10,178	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -16 Jahre

Zinsfuß 6,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	16	99.423	99.423,027	1.572.085,867	15,812	15,343	50	66	84.843	3.640,294	37.123,239	10,198	9,729
1	17	98.948	92.909,361	1.472.662,840	15,851	15,382	51	67	83.658	3.370,376	33.482,944	9,934	9,466
2	18	98.887	87.184,407	1.379.753,479	15,826	15,357	52	68	82.379	3.116,274	30.112,569	9,663	9,194
3	19	98.838	81.823,273	1.292.569,072	15,797	15,328	53	69	80.959	2.875,647	26.996,295	9,388	8,919
4	20	98.793	76.794,055	1.210.745,799	15,766	15,297	54	70	79.424	2.648,934	24.120,647	9,106	8,637
5	21	98.749	72.074,651	1.133.951,744	15,733	15,264	55	71	77.763	2.435,260	21.471,714	8,817	8,348
6	22	98.711	67.649,906	1.061.877,093	15,697	15,228	56	72	75.930	2.232,719	19.036,453	8,526	8,057
7	23	98.673	63.496,439	994.227,187	15,658	15,189	57	73	73.977	2.042,531	16.803,734	8,227	7,758
8	24	98.635	59.598,154	930.730,748	15,617	15,148	58	74	71.843	1.862,541	14.761,203	7,925	7,457
9	25	98.596	55.938,853	871.132,594	15,573	15,104	59	75	69.538	1.692,770	12.898,662	7,620	7,151
10	26	98.563	52.506,905	815.193,742	15,525	15,057	60	76	67.023	1.531,971	11.205,892	7,315	6,846
11	27	98.526	49.283,825	762.686,836	15,475	15,007	61	77	64.351	1.381,103	9.673,921	7,004	6,536
12	28	98.483	46.255,722	713.403,012	15,423	14,954	62	78	61.509	1.239,552	8.292,818	6,690	6,221
13	29	98.441	43.414,041	667.147,290	15,367	14,898	63	79	58.432	1.105,666	7.053,266	6,379	5,910
14	30	98.399	40.747,141	623.733,249	15,307	14,839	64	80	55.165	980,140	5.947,600	6,068	5,599
15	31	98.349	38.240,643	582.986,108	15,245	14,776	65	81	51.649	861,670	4.967,460	5,765	5,296
16	32	98.291	35.885,414	544.745,464	15,180	14,711	66	82	47.916	750,599	4.105,790	5,470	5,001
17	33	98.218	33.670,342	508.860,050	15,113	14,644	67	83	43.962	646,627	3.355,191	5,189	4,720
18	34	98.129	31.586,694	475.189,708	15,044	14,575	68	84	39.938	551,580	2.708,564	4,911	4,442
19	35	98.009	29.622,477	443.603,014	14,975	14,506	69	85	35.860	465,035	2.156,984	4,638	4,170
20	36	97.879	27.777,902	413.980,537	14,903	14,434	70	86	31.903	388,472	1.691,949	4,355	3,887
21	37	97.750	26.047,970	386.202,635	14,827	14,358	71	87	27.869	318,636	1.303,476	4,091	3,622
22	38	97.613	24.424,024	360.154,664	14,746	14,277	72	88	23.809	255,610	984,840	3,853	3,384
23	39	97.471	22.900,035	335.730,640	14,661	14,192	73	89	19.950	201,103	729,230	3,626	3,157
24	40	97.321	21.469,248	312.830,605	14,571	14,102	74	90	16.334	154,602	528,127	3,416	2,947
25	41	97.166	20.126,766	291.361,358	14,476	14,008	75	91	13.084	116,281	373,525	3,212	2,744
26	42	96.999	18.865,881	271.234,592	14,377	13,908	76	92	10.140	84,621	257,243	3,040	2,571
27	43	96.821	17.681,865	252.368,710	14,273	13,804	77	93	7.656	59,987	172,622	2,878	2,409
28	44	96.626	16.569,282	234.686,845	14,164	13,695	78	94	5.616	41,317	112,635	2,726	2,257
29	45	96.420	15.524,934	218.117,564	14,050	13,581	79	95	3.992	27,580	71,318	2,586	2,117
30	46	96.200	14.544,046	202.592,630	13,930	13,461	80	96	2.747	17,820	43,738	2,454	1,986
31	47	95.957	13.621,896	188.048,583	13,805	13,336	81	97	1.824	11,108	25,917	2,333	1,864
32	48	95.694	12.755,559	174.426,687	13,675	13,206	82	98	1.166	6,671	14,809	2,220	1,751
33	49	95.413	11.941,869	161.671,128	13,538	13,069	83	99	714	3,837	8,138	2,121	1,652
34	50	95.100	11.176,223	149.729,259	13,397	12,928	84	100	420	2,120	4,301	2,029	1,561
35	51	94.769	10.457,594	138.553,036	13,249	12,780	85	101	237	1,123	2,182	1,944	1,475
36	52	94.407	9.781,819	128.095,442	13,095	12,627	86	102	128	0,571	1,059	1,856	1,387
37	53	94.016	9.146,702	118.313,623	12,935	12,466	87	103	66	0,275	0,489	1,777	1,308
38	54	93.606	8.550,991	109.166,921	12,767	12,298	88	104	32	0,125	0,214	1,707	1,239
39	55	93.151	7.990,147	100.615,929	12,593	12,124	89	105	15	0,054	0,088	1,645	1,176
40	56	92.656	7.462,555	92.625,782	12,412	11,943	90	106					
41	57	92.125	6.966,943	85.163,227	12,224	11,755	91	107					
42	58	91.539	6.500,163	78.196,283	12,030	11,561	92	108					
43	59	90.898	6.060,651	71.696,121	11,830	11,361	93	109					
44	60	90.212	5.647,805	65.635,470	11,621	11,153	94	110					
45	61	89.474	5.259,765	59.987,664	11,405	10,936	95	111					
46	62	88.697	4.895,843	54.727,899	11,178	10,710	96	112					
47	63	87.840	4.552,602	49.832,056	10,946	10,477	97						
48	64	86.915	4.229,755	45.279,455	10,705	10,236	98						
49	65	85.927	3.926,462	41.049,700	10,455	9,986	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -17 Jahre

Zinsfuß 6,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	17	99.402	99.401,972	1.569.870,145	15,793	15,324	50	67	84.075	3.607,326	36.032,464	9,989	9,520
1	18	98.927	92.888,919	1.470.468,173	15,830	15,362	51	68	82.808	3.336,116	32.425,138	9,719	9,251
2	19	98.858	87.159,333	1.377.579,254	15,805	15,337	52	69	81.437	3.080,632	29.089,023	9,443	8,974
3	20	98.811	81.800,591	1.290.419,921	15,775	15,306	53	70	79.926	2.838,959	26.008,391	9,161	8,693
4	21	98.762	76.769,799	1.208.619,330	15,743	15,275	54	71	78.295	2.611,283	23.169,432	8,873	8,404
5	22	98.724	72.057,017	1.131.849,531	15,708	15,239	55	72	76.502	2.395,779	20.558,149	8,581	8,112
6	23	98.684	67.631,590	1.059.792,514	15,670	15,201	56	73	74.561	2.192,465	18.162,369	8,284	7,815
7	24	98.647	63.479,872	992.160,924	15,630	15,161	57	74	72.470	2.000,920	15.969,904	7,981	7,513
8	25	98.608	59.581,962	928.681,052	15,587	15,118	58	75	70.208	1.820,146	13.968,985	7,675	7,206
9	26	98.572	55.925,088	869.099,089	15,540	15,072	59	76	67.735	1.648,881	12.148,838	7,368	6,899
10	27	98.535	52.492,206	813.174,001	15,491	15,023	60	77	65.083	1.487,623	10.499,957	7,058	6,589
11	28	98.497	49.269,462	760.681,796	15,439	14,970	61	78	62.257	1.336,172	9.012,334	6,745	6,276
12	29	98.454	46.241,992	711.412,334	15,385	14,916	62	79	59.230	1.193,612	7.676,162	6,431	5,962
13	30	98.412	43.401,333	665.170,342	15,326	14,857	63	80	55.974	1.059,155	6.482,550	6,120	5,652
14	31	98.367	40.733,800	621.769,009	15,264	14,795	64	81	52.478	932,393	5.423,395	5,817	5,348
15	32	98.314	38.226,983	581.035,209	15,200	14,731	65	82	48.770	813,637	4.491,002	5,520	5,051
16	33	98.256	35.872,654	542.808,225	15,132	14,663	66	83	44.820	702,092	3.677,365	5,238	4,769
17	34	98.179	33.656,888	506.935,571	15,062	14,593	67	84	40.812	600,291	2.975,273	4,956	4,488
18	35	98.083	31.571,886	473.278,683	14,991	14,522	68	85	36.728	507,254	2.374,982	4,682	4,213
19	36	97.958	29.607,312	441.706,797	14,919	14,450	69	86	32.746	424,659	1.867,728	4,398	3,929
20	37	97.824	27.762,195	412.099,486	14,844	14,375	70	87	28.687	349,309	1.443,069	4,131	3,662
21	38	97.690	26.031,997	384.337,291	14,764	14,295	71	88	24.584	281,076	1.093,760	3,891	3,423
22	39	97.545	24.406,939	358.305,294	14,680	14,212	72	89	20.678	221,990	812,684	3,661	3,192
23	40	97.393	22.881,709	333.898,354	14,592	14,124	73	90	16.993	171,295	590,694	3,448	2,980
24	41	97.237	21.450,570	311.016,645	14,499	14,030	74	91	13.664	129,331	419,399	3,243	2,774
25	42	97.070	20.106,871	289.566,075	14,401	13,933	75	92	10.632	94,490	290,069	3,070	2,601
26	43	96.890	18.844,663	269.459,204	14,299	13,830	76	93	8.058	67,241	195,578	2,909	2,440
27	44	96.695	17.658,914	250.614,541	14,192	13,723	77	94	5.941	46,551	128,337	2,757	2,288
28	45	96.491	16.546,217	232.955,628	14,079	13,610	78	95	4.250	31,271	81,787	2,615	2,147
29	46	96.267	15.500,312	216.409,411	13,962	13,493	79	96	2.943	20,333	50,516	2,484	2,016
30	47	96.027	14.517,926	200.909,099	13,839	13,370	80	97	1.970	12,780	30,183	2,362	1,893
31	48	95.770	13.595,406	186.391,173	13,710	13,241	81	98	1.271	7,740	17,403	2,248	1,780
32	49	95.492	12.728,518	172.795,767	13,575	13,107	82	99	788	4,510	9,663	2,143	1,674
33	50	95.184	11.913,128	160.067,249	13,436	12,967	83	100	468	2,513	5,153	2,050	1,582
34	51	94.860	11.147,985	148.154,121	13,290	12,821	84	101	266	1,344	2,640	1,965	1,496
35	52	94.506	10.428,551	137.006,136	13,138	12,669	85	102	145	0,688	1,296	1,885	1,416
36	53	94.122	9.752,247	126.577,585	12,979	12,511	86	103	76	0,338	0,608	1,803	1,334
37	54	93.719	9.117,821	116.825,339	12,813	12,344	87	104	38	0,157	0,271	1,728	1,260
38	55	93.280	8.521,249	107.707,517	12,640	12,171	88	105	18	0,069	0,114	1,663	1,194
39	56	92.799	7.959,890	99.186,269	12,461	11,992	89						
40	57	92.284	7.432,595	91.226,379	12,274	11,805	90						
41	58	91.714	6.935,849	83.793,784	12,081	11,613	91						
42	59	91.099	6.468,860	76.857,934	11,881	11,412	92						
43	60	90.435	6.029,840	70.389,074	11,673	11,205	93						
44	61	89.715	5.616,718	64.359,234	11,459	10,990	94						
45	62	88.971	5.230,166	58.742,516	11,231	10,763	95						
46	63	88.139	4.865,034	53.512,349	10,999	10,531	96						
47	64	87.242	4.521,636	48.647,315	10,759	10,290	97						
48	65	86.280	4.198,823	44.125,680	10,509	10,040	98						
49	66	85.226	3.894,393	39.926,856	10,252	9,784	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -18 Jahre

Zinsfuß 6,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	18	99.380	99.380,101	1.567.509,921	15,773	15,304	50	68	83.220	3.570,657	34.884,663	9,770	9,301
1	19	98.898	92.862,205	1.468.129,819	15,810	15,341	51	69	81.861	3.297,959	31.314,006	9,495	9,026
2	20	98.831	87.135,172	1.375.267,614	15,783	15,314	52	70	80.398	3.041,328	28.016,048	9,212	8,743
3	21	98.780	81.774,754	1.288.132,442	15,752	15,283	53	71	78.790	2.798,607	24.974,719	8,924	8,455
4	22	98.738	76.751,016	1.206.357,688	15,718	15,249	54	72	77.025	2.568,948	22.176,112	8,632	8,164
5	23	98.698	72.037,508	1.129.606,673	15,681	15,212	55	73	75.123	2.352,586	19.607,163	8,334	7,866
6	24	98.658	67.613,944	1.057.569,165	15,641	15,173	56	74	73.042	2.147,800	17.254,578	8,034	7,565
7	25	98.620	63.462,626	989.955,220	15,599	15,130	57	75	70.820	1.955,375	15.106,778	7,726	7,257
8	26	98.584	59.567,301	926.492,594	15,554	15,085	58	76	68.387	1.772,954	13.151,403	7,418	6,949
9	27	98.544	55.909,431	866.925,293	15,506	15,037	59	77	65.775	1.601,148	11.378,449	7,106	6,638
10	28	98.506	52.476,908	811.015,861	15,455	14,986	60	78	62.966	1.439,227	9.777,300	6,793	6,325
11	29	98.468	49.254,837	758.538,954	15,400	14,932	61	79	59.950	1.286,651	8.338,073	6,480	6,012
12	30	98.425	46.228,457	709.284,116	15,343	14,874	62	80	56.738	1.143,401	7.051,422	6,167	5,698
13	31	98.380	43.387,123	663.055,659	15,282	14,814	63	81	53.247	1.007,559	5.908,021	5,864	5,395
14	32	98.332	40.719,250	619.668,537	15,218	14,749	64	82	49.552	880,418	4.900,462	5,566	5,097
15	33	98.279	38.213,391	578.949,287	15,150	14,682	65	83	45.619	761,056	4.020,044	5,282	4,813
16	34	98.216	35.858,320	540.735,896	15,080	14,611	66	84	41.608	651,781	3.258,988	5,000	4,531
17	35	98.133	33.641,109	504.877,576	15,008	14,539	67	85	37.532	552,051	2.607,206	4,723	4,254
18	36	98.033	31.555,722	471.236,467	14,933	14,465	68	86	33.539	463,212	2.055,156	4,437	3,968
19	37	97.903	29.590,570	439.680,744	14,859	14,390	69	87	29.445	381,847	1.591,944	4,169	3,700
20	38	97.764	27.745,171	410.090,175	14,781	14,312	70	88	25.305	308,133	1.210,097	3,927	3,458
21	39	97.621	26.013,787	382.345,004	14,698	14,229	71	89	21.350	244,107	901,963	3,695	3,226
22	40	97.467	24.387,407	356.331,217	14,611	14,143	72	90	17.613	189,086	657,857	3,479	3,010
23	41	97.309	22.861,802	331.943,809	14,520	14,051	73	91	14.215	143,295	468,771	3,271	2,803
24	42	97.140	21.429,366	309.082,007	14,423	13,955	74	92	11.103	105,094	325,476	3,097	2,628
25	43	96.961	20.084,257	287.652,641	14,322	13,854	75	93	8.448	75,083	220,382	2,935	2,466
26	44	96.764	18.820,203	267.568,383	14,217	13,748	76	94	6.253	52,179	145,299	2,785	2,316
27	45	96.560	17.634,332	248.748,181	14,106	13,637	77	95	4.496	35,232	93,120	2,643	2,174
28	46	96.338	16.519,975	231.113,849	13,990	13,521	78	96	3.133	23,054	57,887	2,511	2,042
29	47	96.094	15.472,473	214.593,874	13,869	13,401	79	97	2.111	14,582	34,833	2,389	1,920
30	48	95.840	14.489,693	199.121,401	13,742	13,274	80	98	1.373	8,905	20,251	2,274	1,806
31	49	95.567	13.566,585	184.631,707	13,609	13,141	81	99	859	5,232	11,347	2,169	1,700
32	50	95.262	12.697,884	171.065,122	13,472	13,003	82	100	517	2,954	6,115	2,070	1,601
33	51	94.943	11.883,028	158.367,238	13,327	12,858	83	101	297	1,593	3,161	1,984	1,515
34	52	94.597	11.117,024	146.484,210	13,177	12,708	84	102	163	0,823	1,567	1,904	1,435
35	53	94.220	10.397,023	135.367,186	13,020	12,551	85	103	86	0,407	0,744	1,829	1,360
36	54	93.825	9.721,454	124.970,163	12,855	12,386	86	104	43	0,192	0,337	1,752	1,283
37	55	93.393	9.086,107	115.248,709	12,684	12,215	87	105	21	0,086	0,145	1,682	1,214
38	56	92.927	8.488,980	106.162,602	12,506	12,037	88	106					
39	57	92.426	7.927,933	97.673,622	12,320	11,851	89	107					
40	58	91.872	7.399,423	89.745,689	12,129	11,660	90	108					
41	59	91.272	6.902,449	82.346,266	11,930	11,461	91	109					
42	60	90.635	6.435,974	75.443,817	11,722	11,253	92	110					
43	61	89.938	5.996,650	69.007,843	11,508	11,039	93	111					
44	62	89.210	5.585,111	63.011,193	11,282	10,813	94	112					
45	63	88.411	5.197,254	57.426,082	11,049	10,581	95						
46	64	87.539	4.831,943	52.228,828	10,809	10,340	96						
47	65	86.604	4.488,570	47.396,886	10,559	10,091	97						
48	66	85.575	4.164,530	42.908,316	10,303	9,835	98						
49	67	84.454	3.859,123	38.743,786	10,040	9,571	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -19 Jahre

Zinsfuß 6,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	19	99.352	99.351,520	1.564.996,736	15,752	15,283	50	69	82.268	3.529,817	33.680,304	9,542	9,073
1	20	98.871	92.836,463	1.465.645,216	15,787	15,319	51	70	80.816	3.255,883	30.150,486	9,260	8,792
2	21	98.800	87.107,650	1.372.808,752	15,760	15,291	52	71	79.255	2.998,100	26.894,603	8,971	8,502
3	22	98.756	81.754,746	1.285.701,102	15,726	15,258	53	72	77.513	2.753,236	23.896,503	8,679	8,211
4	23	98.711	76.730,236	1.203.946,357	15,691	15,222	54	73	75.637	2.522,632	21.143,267	8,381	7,913
5	24	98.672	72.018,713	1.127.216,121	15,652	15,183	55	74	73.593	2.304,658	18.620,635	8,080	7,611
6	25	98.632	67.595,575	1.055.197,408	15,610	15,142	56	75	71.379	2.098,912	16.315,977	7,774	7,305
7	26	98.596	63.447,010	987.601,833	15,566	15,097	57	76	68.984	1.904,677	14.217,065	7,464	6,996
8	27	98.556	59.550,625	924.154,822	15,519	15,050	58	77	66.408	1.721,630	12.312,388	7,152	6,683
9	28	98.516	55.893,137	864.604,197	15,469	15,000	59	78	63.635	1.549,059	10.590,758	6,837	6,368
10	29	98.477	52.461,332	808.711,060	15,415	14,947	60	79	60.632	1.385,886	9.041,699	6,524	6,055
11	30	98.439	49.240,420	756.249,729	15,358	14,890	61	80	57.428	1.232,527	7.655,813	6,211	5,743
12	31	98.393	46.213,321	707.009,308	15,299	14,830	62	81	53.974	1.087,701	6.423,286	5,905	5,437
13	32	98.345	43.371,624	660.795,988	15,236	14,767	63	82	50.279	951,394	5.335,585	5,608	5,139
14	33	98.297	40.704,771	617.424,363	15,168	14,700	64	83	46.350	823,522	4.384,191	5,324	4,855
15	34	98.239	38.198,122	576.719,592	15,098	14,629	65	84	42.350	706,521	3.560,670	5,040	4,571
16	35	98.170	35.841,509	538.521,471	15,025	14,556	66	85	38.264	599,403	2.854,149	4,762	4,293
17	36	98.082	33.623,887	502.679,961	14,950	14,481	67	86	34.273	504,119	2.254,746	4,473	4,004
18	37	97.977	31.537,879	469.056,075	14,873	14,404	68	87	30.158	416,514	1.750,626	4,203	3,734
19	38	97.843	29.572,424	437.518,196	14,795	14,326	69	88	25.974	336,836	1.334,113	3,961	3,492
20	39	97.696	27.725,762	407.945,772	14,714	14,245	70	89	21.977	267,605	997,277	3,727	3,258
21	40	97.543	25.992,970	380.220,009	14,628	14,159	71	90	18.186	207,924	729,672	3,509	3,041
22	41	97.382	24.366,191	354.227,040	14,538	14,069	72	91	14.734	158,178	521,748	3,298	2,830
23	42	97.212	22.839,204	329.860,849	14,443	13,974	73	92	11.551	116,441	363,570	3,122	2,654
24	43	97.031	21.405,265	307.021,645	14,343	13,875	74	93	8.823	83,509	247,129	2,959	2,491
25	44	96.835	20.058,188	285.616,380	14,239	13,771	75	94	6.556	58,265	163,620	2,808	2,339
26	45	96.629	18.794,005	265.558,192	14,130	13,661	76	95	4.732	39,493	105,355	2,668	2,199
27	46	96.407	17.606,364	246.764,188	14,016	13,547	77	96	3.315	25,974	65,862	2,536	2,067
28	47	96.165	16.490,305	229.157,824	13,897	13,428	78	97	2.247	16,533	39,888	2,413	1,944
29	48	95.908	15.442,385	212.667,519	13,772	13,303	79	98	1.471	10,160	23,355	2,299	1,830
30	49	95.637	14.458,976	197.225,134	13,640	13,172	80	99	928	6,020	13,195	2,192	1,723
31	50	95.337	13.533,934	182.766,158	13,504	13,036	81	100	563	3,428	7,175	2,093	1,625
32	51	95.021	12.665,801	169.232,224	13,361	12,893	82	101	327	1,873	3,748	2,001	1,532
33	52	94.680	11.850,026	156.566,423	13,212	12,744	83	102	182	0,976	1,875	1,921	1,452
34	53	94.311	11.083,415	144.716,397	13,057	12,588	84	103	97	0,487	0,899	1,846	1,377
35	54	93.923	10.364,194	133.632,981	12,894	12,425	85	104	49	0,232	0,412	1,776	1,307
36	55	93.498	9.687,640	123.268,787	12,724	12,256	86	105	24	0,106	0,180	1,704	1,235
37	56	93.039	9.051,699	113.581,147	12,548	12,079	87	106					
38	57	92.554	8.454,899	104.529,448	12,363	11,894	88	107					
39	58	92.014	7.892,550	96.074,549	12,173	11,704	89	108					
40	59	91.429	7.363,790	88.181,999	11,975	11,506	90	109					
41	60	90.808	6.867,358	80.818,209	11,768	11,300	91	110					
42	61	90.137	6.400,549	73.950,851	11,554	11,085	92	111					
43	62	89.432	5.962,905	67.550,302	11,328	10,860	93	112					
44	63	88.649	5.549,965	61.587,397	11,097	10,628	94						
45	64	87.810	5.161,903	56.037,432	10,856	10,387	95						
46	65	86.899	4.796,608	50.875,529	10,607	10,138	96						
47	66	85.897	4.451,910	46.078,922	10,350	9,882	97						
48	67	84.800	4.126,813	41.627,012	10,087	9,618	98						
49	68	83.595	3.819,895	37.500,198	9,817	9,348	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -20 Jahre

Zinsfuß 6,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	20	99.324	99.323,980	1.562.327,936	15,730	15,261	50	70	81.219	3.484,783	32.420,439	9,303	8,835
1	21	98.840	92.807,140	1.463.003,956	15,764	15,295	51	71	79.668	3.209,605	28.935,656	9,015	8,547
2	22	98.776	87.086,337	1.370.196,816	15,734	15,265	52	72	77.970	2.949,494	25.726,051	8,722	8,253
3	23	98.729	81.732,611	1.283.110,478	15,699	15,230	53	73	76.115	2.703,597	22.776,556	8,425	7,956
4	24	98.685	76.710,217	1.201.377,867	15,661	15,193	54	74	74.096	2.471,240	20.072,959	8,123	7,654
5	25	98.645	71.999,147	1.124.667,651	15,621	15,152	55	75	71.918	2.252,200	17.601,719	7,815	7,347
6	26	98.607	67.578,942	1.052.668,503	15,577	15,108	56	76	69.529	2.044,492	15.349,519	7,508	7,039
7	27	98.568	63.429,248	985.089,561	15,531	15,062	57	77	66.987	1.849,540	13.305,027	7,194	6,725
8	28	98.527	59.533,270	921.660,314	15,481	15,013	58	78	64.247	1.665,621	11.455,487	6,878	6,409
9	29	98.486	55.876,547	862.127,044	15,429	14,960	59	79	61.276	1.491,648	9.789,865	6,563	6,094
10	30	98.448	52.445,976	806.250,496	15,373	14,904	60	80	58.082	1.327,587	8.298,218	6,251	5,782
11	31	98.407	49.224,298	753.804,521	15,314	14,845	61	81	54.630	1.172,485	6.970,630	5,945	5,476
12	32	98.357	46.196,813	704.580,223	15,252	14,783	62	82	50.965	1.027,069	5.798,146	5,645	5,177
13	33	98.310	43.356,203	658.383,410	15,185	14,717	63	83	47.030	889,911	4.771,077	5,361	4,893
14	34	98.258	40.688,506	615.027,207	15,116	14,647	64	84	43.029	764,510	3.881,166	5,077	4,608
15	35	98.193	38.180,214	574.338,701	15,043	14,574	65	85	38.946	649,744	3.116,657	4,797	4,328
16	36	98.120	35.823,160	536.158,488	14,967	14,498	66	86	34.942	547,360	2.466,913	4,507	4,038
17	37	98.027	33.604,874	500.335,328	14,889	14,420	67	87	30.818	453,297	1.919,553	4,235	3,766
18	38	97.917	31.518,539	466.730,454	14,808	14,339	68	88	26.603	367,416	1.466,256	3,991	3,522
19	39	97.774	29.551,738	435.211,915	14,727	14,258	69	89	22.558	292,533	1.098,840	3,756	3,288
20	40	97.618	27.703,575	405.660,177	14,643	14,174	70	90	18.719	227,940	806,307	3,537	3,069
21	41	97.458	25.970,356	377.956,602	14,553	14,085	71	91	15.213	173,936	578,368	3,325	2,856
22	42	97.286	24.342,105	351.986,246	14,460	13,991	72	92	11.973	128,535	404,431	3,146	2,678
23	43	97.103	22.813,517	327.644,141	14,362	13,893	73	93	9.179	92,525	275,896	2,982	2,513
24	44	96.905	21.377,481	304.830,624	14,259	13,791	74	94	6.847	64,804	183,371	2,830	2,361
25	45	96.700	20.030,266	283.453,143	14,151	13,683	75	95	4.962	44,098	118,567	2,689	2,220
26	46	96.476	18.764,197	263.422,877	14,039	13,570	76	96	3.489	29,115	74,469	2,558	2,089
27	47	96.234	17.574,743	244.658,679	13,921	13,452	77	97	2.377	18,628	45,354	2,435	1,966
28	48	95.978	16.458,237	227.083,936	13,798	13,329	78	98	1.566	11,520	26,726	2,320	1,851
29	49	95.704	15.409,648	210.625,699	13,668	13,200	79	99	994	6,868	15,207	2,214	1,745
30	50	95.407	14.424,177	195.216,051	13,534	13,065	80	100	608	3,943	8,338	2,115	1,646
31	51	95.096	13.499,739	180.791,874	13,392	12,924	81	101	357	2,173	4,395	2,023	1,554
32	52	94.757	12.630,625	167.292,135	13,245	12,776	82	102	201	1,147	2,222	1,937	1,468
33	53	94.393	11.814,201	154.661,510	13,091	12,622	83	103	108	0,577	1,075	1,861	1,392
34	54	94.013	11.048,419	142.847,309	12,929	12,460	84	104	55	0,278	0,497	1,791	1,323
35	55	93.596	10.328,145	131.798,890	12,761	12,292	85	105	27	0,127	0,220	1,726	1,257
36	56	93.144	9.650,954	121.470,745	12,586	12,118	86	106					
37	57	92.666	9.015,359	111.819,791	12,403	11,935	87	107					
38	58	92.141	8.417,164	102.804,431	12,214	11,745	88	108					
39	59	91.570	7.854,542	94.387,267	12,017	11,548	89	109					
40	60	90.965	7.326,354	86.532,725	11,811	11,342	90	110					
41	61	90.308	6.829,559	79.206,371	11,598	11,129	91	111					
42	62	89.629	6.364,531	72.376,812	11,372	10,903	92	112					
43	63	88.869	5.925,381	66.012,281	11,141	10,672	93						
44	64	88.046	5.512,215	60.086,900	10,901	10,432	94						
45	65	87.167	5.124,155	54.574,686	10,650	10,182	95						
46	66	86.190	4.757,432	49.450,531	10,394	9,926	96						
47	67	85.119	4.411,591	44.693,099	10,131	9,662	97						
48	68	83.938	4.084,864	40.281,508	9,861	9,392	98						
49	69	82.639	3.776,204	36.196,644	9,585	9,117	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -21 Jahre

Zinsfuß 6,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	21	99.293	99.292,607	1.559.492,452	15,706	15,237	50	71	80.064	3.435,252	31.106,271	9,055	8,586
1	22	98.815	92.784,433	1.460.199,845	15,738	15,269	51	72	78.376	3.157,570	27.671,018	8,763	8,295
2	23	98.749	87.062,759	1.367.415,412	15,706	15,237	52	73	76.564	2.896,318	24.513,448	8,464	7,995
3	24	98.703	81.711,287	1.280.352,652	15,669	15,200	53	74	74.565	2.648,519	21.617,131	8,162	7,693
4	25	98.658	76.689,376	1.198.641,366	15,630	15,161	54	75	72.409	2.414,991	18.968,612	7,855	7,386
5	26	98.621	71.981,431	1.121.951,989	15,587	15,118	55	76	70.053	2.193,806	16.553,621	7,546	7,077
6	27	98.580	67.560,023	1.049.970,559	15,541	15,073	56	77	67.516	1.985,308	14.359,816	7,233	6,764
7	28	98.539	63.410,762	982.410,536	15,493	15,024	57	78	64.808	1.789,370	12.374,508	6,916	6,447
8	29	98.498	59.515,599	918.999,774	15,441	14,973	58	79	61.866	1.603,890	10.585,138	6,600	6,131
9	30	98.458	55.860,192	859.484,174	15,386	14,918	59	80	58.699	1.428,900	8.981,248	6,285	5,817
10	31	98.416	52.428,804	803.623,983	15,328	14,859	60	81	55.252	1.262,915	7.552,348	5,980	5,511
11	32	98.372	49.206,715	751.195,179	15,266	14,797	61	82	51.585	1.107,126	6.289,434	5,681	5,212
12	33	98.322	46.180,386	701.988,464	15,201	14,732	62	83	47.672	960,695	5.182,308	5,394	4,926
13	34	98.270	43.338,878	655.808,078	15,132	14,663	63	84	43.660	826,141	4.221,613	5,110	4,641
14	35	98.212	40.669,431	612.469,199	15,060	14,591	64	85	39.571	703,073	3.395,471	4,829	4,361
15	36	98.143	38.160,667	571.799,769	14,984	14,515	65	86	35.565	593,330	2.692,398	4,538	4,069
16	37	98.065	35.802,903	533.639,102	14,905	14,436	66	87	31.419	492,179	2.099,069	4,265	3,796
17	38	97.967	33.584,266	497.836,198	14,823	14,355	67	88	27.185	399,863	1.606,890	4,019	3,550
18	39	97.849	31.496,491	464.251,932	14,740	14,271	68	89	23.104	319,091	1.207,027	3,783	3,314
19	40	97.696	29.528,089	432.755,440	14,656	14,187	69	90	19.214	249,172	887,936	3,564	3,095
20	41	97.533	27.679,473	403.227,351	14,568	14,099	70	91	15.660	190,680	638,764	3,350	2,881
21	42	97.362	25.944,685	375.547,878	14,475	14,006	71	92	12.362	141,341	448,084	3,170	2,701
22	43	97.176	24.314,728	349.603,194	14,378	13,910	72	93	9.514	102,135	306,743	3,003	2,535
23	44	96.977	22.783,905	325.288,465	14,277	13,808	73	94	7.123	71,801	204,608	2,850	2,381
24	45	96.770	21.347,723	302.504,561	14,170	13,702	74	95	5.182	49,047	132,807	2,708	2,239
25	46	96.547	19.998,498	281.156,837	14,059	13,590	75	96	3.658	32,510	83,760	2,576	2,108
26	47	96.303	18.730,497	261.158,339	13,943	13,474	76	97	2.502	20,880	51,250	2,454	1,986
27	48	96.047	17.540,567	242.427,842	13,821	13,352	77	98	1.656	12,979	30,370	2,340	1,871
28	49	95.775	16.423,347	224.887,276	13,693	13,224	78	99	1.058	7,788	17,391	2,233	1,764
29	50	95.474	15.372,561	208.463,929	13,561	13,092	79	100	651	4,499	9,603	2,134	1,666
30	51	95.166	14.387,733	193.091,368	13,421	12,952	80	101	385	2,500	5,104	2,042	1,573
31	52	94.832	13.462,247	178.703,635	13,274	12,806	81	102	219	1,331	2,604	1,956	1,487
32	53	94.471	12.592,440	165.241,388	13,122	12,654	82	103	119	0,679	1,273	1,876	1,407
33	54	94.095	11.776,897	152.648,948	12,962	12,493	83	104	61	0,329	0,594	1,805	1,336
34	55	93.686	11.009,990	140.872,051	12,795	12,326	84	105	30	0,152	0,265	1,740	1,271
35	56	93.242	10.289,034	129.862,061	12,621	12,153	85	106					
36	57	92.770	9.612,208	119.573,027	12,440	11,971	86	107					
37	58	92.252	8.975,123	109.960,819	12,252	11,783	87	108					
38	59	91.697	8.376,630	100.985,696	12,056	11,587	88	109					
39	60	91.105	7.814,611	92.609,065	11,851	11,382	89	110					
40	61	90.464	7.286,028	84.794,454	11,638	11,169	90	111					
41	62	89.800	6.791,126	77.508,426	11,413	10,944	91	112					
42	63	89.065	6.324,480	70.717,300	11,182	10,713	92						
43	64	88.264	5.885,077	64.392,820	10,942	10,473	93						
44	65	87.402	5.471,905	58.507,743	10,692	10,224	94						
45	66	86.456	5.082,304	53.035,838	10,435	9,967	95						
46	67	85.409	4.714,346	47.953,534	10,172	9,703	96						
47	68	84.254	4.366,747	43.239,188	9,902	9,433	97						
48	69	82.978	4.038,143	38.872,441	9,626	9,158	98						
49	70	81.585	3.728,027	34.834,298	9,344	8,875	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -22 Jahre

Zinsfuß 6,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	22	99.268	99.268,313	1.556.483,765	15,680	15,211	50	72	78.766	3.379,559	29.739,447	8,800	8,331
1	23	98.789	92.759,313	1.457.215,452	15,710	15,241	51	73	76.963	3.100,642	26.359,888	8,501	8,033
2	24	98.723	87.040,044	1.364.456,139	15,676	15,207	52	74	75.004	2.837,313	23.259,246	8,198	7,729
3	25	98.676	81.689,088	1.277.416,095	15,638	15,169	53	75	72.867	2.588,234	20.421,933	7,890	7,422
4	26	98.634	76.670,505	1.195.727,007	15,596	15,127	54	76	70.532	2.352,376	17.833,699	7,581	7,112
5	27	98.593	71.961,279	1.119.056,502	15,551	15,082	55	77	68.025	2.130,299	15.481,323	7,267	6,798
6	28	98.551	67.540,334	1.047.095,223	15,503	15,035	56	78	65.319	1.920,721	13.351,024	6,951	6,482
7	29	98.510	63.391,941	979.554,889	15,452	14,984	57	79	62.406	1.723,052	11.430,304	6,634	6,165
8	30	98.469	59.498,179	916.162,949	15,398	14,929	58	80	59.264	1.536,420	9.707,252	6,318	5,849
9	31	98.425	55.841,902	856.664,770	15,341	14,872	59	81	55.839	1.359,292	8.170,831	6,011	5,542
10	32	98.381	52.410,076	800.822,868	15,280	14,811	60	82	52.172	1.192,515	6.811,539	5,712	5,243
11	33	98.337	49.189,218	748.412,792	15,215	14,746	61	83	48.251	1.035,579	5.619,025	5,426	4,957
12	34	98.283	46.161,934	699.223,574	15,147	14,678	62	84	44.256	891,854	4.583,446	5,139	4,670
13	35	98.224	43.318,560	653.061,640	15,076	14,607	63	85	40.151	759,751	3.691,592	4,859	4,390
14	36	98.161	40.648,610	609.743,080	15,000	14,532	64	86	36.135	642,029	2.931,840	4,567	4,098
15	37	98.088	38.139,089	569.094,470	14,922	14,453	65	87	31.979	533,514	2.289,812	4,292	3,823
16	38	98.004	35.780,948	530.955,382	14,839	14,370	66	88	27.716	434,162	1.756,298	4,045	3,577
17	39	97.898	33.560,774	495.174,433	14,755	14,286	67	89	23.610	347,270	1.322,137	3,807	3,338
18	40	97.770	31.471,286	461.613,659	14,668	14,199	68	90	19.679	271,794	974,866	3,587	3,118
19	41	97.611	29.502,400	430.142,373	14,580	14,111	69	91	16.073	208,442	703,073	3,373	2,904
20	42	97.436	27.652,112	400.639,973	14,489	14,020	70	92	12.725	154,947	494,631	3,192	2,724
21	43	97.253	25.915,506	372.987,861	14,392	13,924	71	93	9.823	112,311	339,684	3,024	2,556
22	44	97.050	24.283,167	347.072,356	14,293	13,824	72	94	7.383	79,258	227,373	2,869	2,400
23	45	96.842	22.752,189	322.789,188	14,187	13,718	73	95	5.391	54,343	148,115	2,726	2,257
24	46	96.617	21.313,866	300.036,999	14,077	13,608	74	96	3.820	36,159	93,772	2,593	2,125
25	47	96.373	19.962,581	278.723,134	13,962	13,494	75	97	2.623	23,315	57,614	2,471	2,002
26	48	96.116	18.694,073	258.760,552	13,842	13,373	76	98	1.743	14,548	34,298	2,358	1,889
27	49	95.843	17.503,382	240.066,479	13,715	13,247	77	99	1.120	8,774	19,750	2,251	1,782
28	50	95.544	16.383,820	222.563,098	13,584	13,116	78	100	693	5,101	10,976	2,152	1,683
29	51	95.233	15.333,720	206.179,277	13,446	12,977	79	101	413	2,852	5,875	2,060	1,591
30	52	94.901	14.347,775	190.845,557	13,301	12,833	80	102	236	1,532	3,022	1,973	1,504
31	53	94.545	13.421,548	176.497,782	13,150	12,682	81	103	129	0,787	1,491	1,893	1,425
32	54	94.172	12.552,679	163.076,235	12,991	12,523	82	104	68	0,387	0,703	1,818	1,349
33	55	93.768	11.735,934	150.523,555	12,826	12,357	83	105	34	0,181	0,316	1,752	1,283
34	56	93.331	10.968,297	138.787,621	12,654	12,185	84	106					
35	57	92.868	10.247,726	127.819,325	12,473	12,004	85	107					
36	58	92.356	9.569,308	117.571,599	12,286	11,818	86	108					
37	59	91.808	8.931,902	108.002,290	12,092	11,623	87	109					
38	60	91.231	8.334,045	99.070,388	11,887	11,419	88	110					
39	61	90.604	7.771,598	90.736,343	11,675	11,207	89	111					
40	62	89.955	7.245,027	82.964,745	11,451	10,983	90	112					
41	63	89.235	6.748,391	75.719,718	11,220	10,752	91						
42	64	88.459	6.281,461	68.971,328	10,980	10,511	92						
43	65	87.619	5.842,041	62.689,866	10,731	10,262	93						
44	66	86.688	5.427,214	56.847,825	10,475	10,006	94						
45	67	85.673	5.036,275	51.420,611	10,210	9,741	95						
46	68	84.541	4.666,425	46.384,336	9,940	9,471	96						
47	69	83.290	4.316,802	41.717,911	9,664	9,195	97						
48	70	81.919	3.986,624	37.401,109	9,382	8,913	98						
49	71	80.425	3.675,039	33.414,485	9,092	8,624	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -23 Jahre

Zinsfuß 6,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	23	99.241	99.241,437	1.553.283,292	15,652	15,183	50	73	77.346	3.318,629	28.323,547	8,535	8,066
1	24	98.763	92.735,111	1.454.041,855	15,680	15,211	51	74	75.395	3.037,475	25.004,918	8,232	7,763
2	25	98.696	87.016,397	1.361.306,744	15,644	15,176	52	75	73.297	2.772,731	21.967,444	7,923	7,454
3	26	98.652	81.668,987	1.274.290,346	15,603	15,134	53	76	70.978	2.521,127	19.194,713	7,614	7,145
4	27	98.606	76.649,041	1.192.621,360	15,560	15,091	54	77	68.490	2.284,279	16.673,586	7,299	6,831
5	28	98.564	71.940,307	1.115.972,319	15,512	15,044	55	78	65.812	2.060,995	14.389,307	6,982	6,513
6	29	98.522	67.520,286	1.044.032,012	15,462	14,994	56	79	62.899	1.849,535	12.328,312	6,666	6,197
7	30	98.481	63.373,385	976.511,726	15,409	14,940	57	80	59.781	1.650,570	10.478,778	6,349	5,880
8	31	98.437	59.478,698	913.138,340	15,352	14,884	58	81	56.377	1.461,575	8.828,208	6,040	5,571
9	32	98.390	55.821,955	853.659,642	15,293	14,824	59	82	52.727	1.283,520	7.366,633	5,739	5,271
10	33	98.346	52.391,440	797.837,688	15,228	14,760	60	83	48.801	1.115,450	6.083,114	5,454	4,985
11	34	98.297	49.169,563	745.446,247	15,161	14,692	61	84	44.794	961,371	4.967,664	5,167	4,699
12	35	98.237	46.140,292	696.276,684	15,090	14,622	62	85	40.699	820,183	4.006,292	4,885	4,416
13	36	98.174	43.296,383	650.136,392	15,016	14,547	63	86	36.665	693,786	3.186,109	4,592	4,124
14	37	98.106	40.625,624	606.840,009	14,937	14,469	64	87	32.492	577,303	2.492,323	4,317	3,848
15	38	98.028	38.115,701	566.214,385	14,855	14,386	65	88	28.210	470,624	1.915,020	4,069	3,600
16	39	97.936	35.755,919	528.098,684	14,770	14,301	66	89	24.070	377,058	1.444,396	3,831	3,362
17	40	97.820	33.533,916	492.342,764	14,682	14,213	67	90	20.110	295,796	1.067,338	3,608	3,140
18	41	97.685	31.443,907	458.808,848	14,591	14,123	68	91	16.463	227,366	771,542	3,393	2,925
19	42	97.515	29.473,237	427.364,941	14,500	14,031	69	92	13.061	169,380	544,176	3,213	2,744
20	43	97.327	27.621,013	397.891,704	14,405	13,937	70	93	10.111	123,122	374,796	3,044	2,575
21	44	97.126	25.881,867	370.270,691	14,306	13,837	71	94	7.623	87,154	251,674	2,888	2,419
22	45	96.915	24.249,365	344.388,825	14,202	13,733	72	95	5.588	59,987	164,520	2,743	2,274
23	46	96.689	22.716,104	320.139,460	14,093	13,624	73	96	3.974	40,063	104,533	2,609	2,140
24	47	96.443	21.275,586	297.423,356	13,980	13,511	74	97	2.740	25,932	64,470	2,486	2,017
25	48	96.186	19.923,761	276.147,769	13,860	13,391	75	98	1.828	16,245	38,538	2,372	1,904
26	49	95.912	18.654,443	256.224,008	13,735	13,267	76	99	1.179	9,835	22,293	2,267	1,798
27	50	95.613	17.461,256	237.569,566	13,606	13,137	77	100	734	5,748	12,458	2,168	1,699
28	51	95.303	16.342,425	220.108,310	13,469	13,000	78	101	440	3,234	6,711	2,075	1,606
29	52	94.968	15.291,135	203.765,885	13,326	12,857	79	102	253	1,748	3,477	1,989	1,521
30	53	94.615	14.304,398	188.474,750	13,176	12,707	80	103	140	0,906	1,729	1,909	1,440
31	54	94.247	13.379,168	174.170,352	13,018	12,549	81	104	74	0,449	0,823	1,834	1,365
32	55	93.845	12.509,018	160.791,183	12,854	12,385	82	105	37	0,212	0,374	1,763	1,295
33	56	93.413	11.691,492	148.282,165	12,683	12,214	83	106					
34	57	92.956	10.924,262	136.590,674	12,503	12,035	84	107					
35	58	92.453	10.201,990	125.666,412	12,318	11,849	85	108					
36	59	91.912	9.523,226	115.464,422	12,125	11,656	86	109					
37	60	91.341	8.886,494	105.941,196	11,922	11,453	87	110					
38	61	90.729	8.288,173	97.054,702	11,710	11,241	88	111					
39	62	90.094	7.727,864	88.766,529	11,487	11,018	89	112					
40	63	89.389	7.199,435	81.038,665	11,256	10,788	90						
41	64	88.628	6.702,489	73.839,230	11,017	10,548	91						
42	65	87.813	6.235,526	67.136,741	10,767	10,298	92						
43	66	86.903	5.794,327	60.901,215	10,510	10,042	93						
44	67	85.903	5.378,062	55.106,888	10,247	9,778	94						
45	68	84.802	4.985,082	49.728,826	9,976	9,507	95						
46	69	83.574	4.613,052	44.743,744	9,699	9,231	96						
47	70	82.228	4.261,728	40.130,692	9,417	8,948	97						
48	71	80.755	3.929,960	35.868,965	9,127	8,658	98						
49	72	79.121	3.615,458	31.939,005	8,834	8,365	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -24 Jahre

Zinsfuß 6,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	24	99.216	99.215,545	1.549.881,569	15,621	15,153	50	74	75.770	3.251,020	26.861,440	8,262	7,794
1	25	98.736	92.709,917	1.450.666,025	15,647	15,179	51	75	73.679	2.968,336	23.610,420	7,954	7,485
2	26	98.672	86.994,986	1.357.956,108	15,610	15,141	52	76	71.397	2.700,841	20.642,083	7,643	7,174
3	27	98.624	81.646,123	1.270.961,122	15,567	15,098	53	77	68.923	2.448,145	17.941,243	7,329	6,860
4	28	98.578	76.626,703	1.189.314,999	15,521	15,052	54	78	66.262	2.209,965	15.493,098	7,011	6,542
5	29	98.535	71.918,953	1.112.688,297	15,471	15,003	55	79	63.373	1.984,610	13.283,132	6,693	6,224
6	30	98.493	67.500,523	1.040.769,343	15,419	14,950	56	80	60.253	1.771,732	11.298,522	6,377	5,908
7	31	98.449	63.352,636	973.268,820	15,363	14,894	57	81	56.869	1.570,163	9.526,791	6,067	5,599
8	32	98.402	59.457,451	909.916,185	15,304	14,835	58	82	53.234	1.380,101	7.956,627	5,765	5,297
9	33	98.355	55.802,106	850.458,733	15,241	14,772	59	83	49.319	1.200,573	6.576,526	5,478	5,009
10	34	98.307	52.370,506	794.656,627	15,174	14,705	60	84	45.304	1.035,519	5.375,953	5,192	4,723
11	35	98.251	49.146,511	742.286,122	15,104	14,635	61	85	41.194	884,114	4.340,434	4,909	4,441
12	36	98.187	46.116,670	693.139,610	15,030	14,561	62	86	37.166	748,971	3.456,320	4,615	4,146
13	37	98.118	43.271,901	647.022,940	14,952	14,484	63	87	32.969	623,843	2.707,349	4,340	3,871
14	38	98.046	40.600,712	603.751,039	14,870	14,402	64	88	28.662	509,252	2.083,506	4,091	3,623
15	39	97.959	38.089,039	563.150,327	14,785	14,316	65	89	24.499	408,724	1.574,255	3,852	3,383
16	40	97.857	35.727,305	525.061,288	14,696	14,228	66	90	20.503	321,168	1.165,530	3,629	3,160
17	41	97.735	33.504,743	489.333,983	14,605	14,136	67	91	16.823	247,445	844,362	3,412	2,944
18	42	97.589	31.412,825	455.829,241	14,511	14,042	68	92	13.378	184,757	596,917	3,231	2,762
19	43	97.405	29.440,090	424.416,416	14,416	13,948	69	93	10.379	134,591	412,160	3,062	2,594
20	44	97.200	27.585,160	394.976,326	14,318	13,850	70	94	7.846	95,544	277,569	2,905	2,436
21	45	96.991	25.845,839	367.391,166	14,215	13,746	71	95	5.769	65,963	182,025	2,759	2,291
22	46	96.761	24.210,905	341.545,327	14,107	13,638	72	96	4.119	44,224	116,061	2,624	2,156
23	47	96.515	22.675,307	317.334,422	13,995	13,526	73	97	2.850	28,732	71,837	2,500	2,032
24	48	96.256	21.234,213	294.659,116	13,877	13,408	74	98	1.909	18,068	43,106	2,386	1,917
25	49	95.982	19.881,524	273.424,903	13,753	13,284	75	99	1.236	10,982	25,038	2,280	1,811
26	50	95.681	18.609,547	253.543,379	13,624	13,156	76	100	772	6,443	14,056	2,182	1,713
27	51	95.371	17.417,138	234.933,832	13,489	13,020	77	101	465	3,644	7,613	2,089	1,621
28	52	95.038	16.297,038	217.516,694	13,347	12,878	78	102	269	1,982	3,970	2,003	1,535
29	53	94.681	15.244,907	201.219,657	13,199	12,730	79	103	150	1,034	1,988	1,923	1,455
30	54	94.316	14.259,232	185.974,750	13,042	12,574	80	104	80	0,516	0,954	1,848	1,379
31	55	93.919	13.332,633	171.715,518	12,879	12,411	81	105	40	0,246	0,438	1,778	1,309
32	56	93.490	12.461,648	158.382,886	12,710	12,241	82	106					
33	57	93.038	11.644,554	145.921,238	12,531	12,063	83	107					
34	58	92.541	10.875,506	134.276,684	12,347	11,878	84	108					
35	59	92.008	10.152,861	123.401,178	12,154	11,686	85	109					
36	60	91.444	9.474,812	113.248,318	11,953	11,484	86	110					
37	61	90.838	8.837,581	103.773,506	11,742	11,274	87	111					
38	62	90.218	8.241,532	94.935,925	11,519	11,050	88	112					
39	63	89.527	7.679,234	86.694,393	11,289	10,821	89						
40	64	88.781	7.150,465	79.015,159	11,050	10,582	90						
41	65	87.980	6.653,475	71.864,694	10,801	10,332	91						
42	66	87.095	6.184,598	65.211,219	10,544	10,075	92						
43	67	86.116	5.741,850	59.026,620	10,280	9,811	93						
44	68	85.030	5.323,394	53.284,770	10,010	9,541	94						
45	69	83.832	4.928,064	47.961,376	9,732	9,264	95						
46	70	82.508	4.554,198	43.033,312	9,449	8,980	96						
47	71	81.059	4.201,153	38.479,114	9,159	8,690	97						
48	72	79.446	3.866,246	34.277,961	8,866	8,397	98						
49	73	77.695	3.550,274	30.411,714	8,566	8,097	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -25 Jahre

Zinsfuß 6,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	25	99.189	99.188,590	1.546.264,727	15,589	15,120	50	75	74.046	3.177,022	25.357,757	7,982	7,513
1	26	98.712	92.687,104	1.447.076,137	15,612	15,144	51	76	71.769	2.891,375	22.180,736	7,671	7,203
2	27	98.644	86.970,631	1.354.389,033	15,573	15,104	52	77	69.330	2.622,656	19.289,361	7,355	6,886
3	28	98.596	81.622,328	1.267.418,402	15,528	15,059	53	78	66.681	2.368,501	16.666,705	7,037	6,568
4	29	98.548	76.603,958	1.185.796,074	15,480	15,011	54	79	63.806	2.128,059	14.298,205	6,719	6,250
5	30	98.506	71.897,902	1.109.192,116	15,427	14,959	55	80	60.707	1.901,125	12.170,145	6,402	5,933
6	31	98.461	67.478,422	1.037.294,213	15,372	14,903	56	81	57.317	1.685,423	10.269,020	6,093	5,624
7	32	98.414	63.330,006	969.815,792	15,314	14,845	57	82	53.699	1.482,636	8.583,597	5,789	5,321
8	33	98.367	59.436,310	906.485,786	15,251	14,783	58	83	49.794	1.290,913	7.100,961	5,501	5,032
9	34	98.316	55.779,809	847.049,476	15,186	14,717	59	84	45.785	1.114,543	5.810,048	5,213	4,744
10	35	98.261	52.345,953	791.269,668	15,116	14,647	60	85	41.663	952,303	4.695,505	4,931	4,462
11	36	98.201	49.121,351	738.923,714	15,043	14,574	61	86	37.617	807,351	3.743,202	4,636	4,168
12	37	98.131	46.090,593	689.802,364	14,966	14,497	62	87	33.419	673,464	2.935,851	4,359	3,891
13	38	98.058	43.245,366	643.711,770	14,885	14,416	63	88	29.082	550,306	2.262,387	4,111	3,642
14	39	97.977	40.572,311	600.466,405	14,800	14,331	64	89	24.892	442,271	1.712,081	3,871	3,402
15	40	97.881	38.058,558	559.894,093	14,711	14,243	65	90	20.868	348,141	1.269,810	3,647	3,179
16	41	97.772	35.696,223	521.835,536	14,619	14,150	66	91	17.151	268,670	921,669	3,430	2,962
17	42	97.638	33.471,624	486.139,313	14,524	14,055	67	92	13.670	201,074	652,999	3,248	2,779
18	43	97.479	31.377,495	452.667,689	14,427	13,958	68	93	10.630	146,810	451,925	3,078	2,610
19	44	97.279	29.401,876	421.290,194	14,329	13,860	69	94	8.054	104,444	305,115	2,921	2,453
20	45	97.065	27.546,761	391.888,318	14,226	13,758	70	95	5.939	72,313	200,671	2,775	2,306
21	46	96.837	25.804,847	364.341,557	14,119	13,650	71	96	4.253	48,630	128,358	2,639	2,171
22	47	96.588	24.167,423	338.536,709	14,008	13,539	72	97	2.954	31,716	79,728	2,514	2,045
23	48	96.327	22.631,211	314.369,287	13,891	13,422	73	98	1.986	20,019	48,012	2,398	1,930
24	49	96.052	21.189,198	291.738,076	13,768	13,300	74	99	1.290	12,214	27,994	2,292	1,823
25	50	95.751	19.833,675	270.548,878	13,641	13,172	75	100	809	7,194	15,779	2,193	1,725
26	51	95.439	18.562,527	250.715,203	13,507	13,038	76	101	489	4,084	8,585	2,102	1,633
27	52	95.106	17.368,766	232.152,676	13,366	12,897	77	102	285	2,232	4,501	2,016	1,547
28	53	94.751	16.247,768	214.783,910	13,219	12,751	78	103	159	1,172	2,269	1,936	1,467
29	54	94.382	15.196,770	198.536,141	13,064	12,596	79	104	85	0,589	1,097	1,861	1,393
30	55	93.988	14.209,635	183.339,371	12,902	12,434	80	105	44	0,283	0,508	1,791	1,322
31	56	93.563	13.282,144	169.129,736	12,734	12,265	81	106					
32	57	93.114	12.411,618	155.847,593	12,557	12,088	82	107					
33	58	92.623	11.592,583	143.435,975	12,373	11,904	83	108					
34	59	92.096	10.823,134	131.843,392	12,182	11,713	84	109					
35	60	91.540	10.101,246	121.020,258	11,981	11,512	85	110					
36	61	90.941	9.422,660	110.919,013	11,772	11,303	86	111					
37	62	90.327	8.787,849	101.496,352	11,550	11,081	87	112					
38	63	89.650	8.189,669	92.708,504	11,320	10,851	88						
39	64	88.918	7.627,001	84.518,835	11,082	10,613	89						
40	65	88.131	7.098,175	76.891,834	10,833	10,364	90						
41	66	87.261	6.599,134	69.793,659	10,576	10,107	91						
42	67	86.307	6.128,587	63.194,525	10,311	9,843	92						
43	68	85.241	5.683,484	57.065,938	10,041	9,572	93						
44	69	84.057	5.262,507	51.382,454	9,764	9,295	94						
45	70	82.762	4.865,191	46.119,947	9,480	9,011	95						
46	71	81.335	4.489,467	41.254,755	9,189	8,720	96						
47	72	79.745	4.133,043	36.765,289	8,895	8,427	97						
48	73	78.013	3.796,541	32.632,245	8,595	8,127	98						
49	74	76.112	3.477,947	28.835,704	8,291	7,822	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 1 Jahr

Zinsfuß 6,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	49	91.859	3.941,316	48.269,051	12,247	11,778
1	0	99.544	93.468,328	1.494.223,210	15,986	15,518	51	50	91.184	3.673,565	44.327,735	12,067	11,598
2	1	99.126	87.395,134	1.400.754,881	16,028	15,559	52	51	90.482	3.422,817	40.654,170	11,877	11,409
3	2	99.070	82.015,254	1.313.359,747	16,014	15,545	53	52	89.702	3.186,190	37.231,353	11,685	11,216
4	3	99.033	76.980,357	1.231.344,493	15,996	15,527	54	53	88.868	2.963,935	34.045,163	11,486	11,018
5	4	99.002	72.259,926	1.154.364,136	15,975	15,506	55	54	87.986	2.755,413	31.081,228	11,280	10,811
6	5	98.976	67.831,643	1.082.104,210	15,953	15,484	56	55	87.024	2.558,944	28.325,816	11,069	10,601
7	6	98.952	63.675,935	1.014.272,567	15,929	15,460	57	56	86.015	2.374,919	25.766,872	10,850	10,381
8	7	98.930	59.776,719	950.596,631	15,902	15,434	58	57	84.929	2.201,801	23.391,953	10,624	10,155
9	8	98.910	56.116,813	890.819,912	15,874	15,406	59	58	83.744	2.038,577	21.190,152	10,395	9,926
10	9	98.891	52.681,855	834.703,099	15,844	15,375	60	59	82.465	1.884,915	19.151,575	10,160	9,692
11	10	98.875	49.458,686	782.021,244	15,812	15,343	61	60	81.122	1.741,052	17.266,660	9,917	9,449
12	11	98.853	46.429,467	732.562,557	15,778	15,309	62	61	79.706	1.606,264	15.525,608	9,666	9,197
13	12	98.831	43.585,963	686.133,090	15,742	15,273	63	62	78.190	1.479,541	13.919,344	9,408	8,939
14	13	98.809	40.917,005	642.547,127	15,704	15,235	64	63	76.575	1.360,548	12.439,804	9,143	8,674
15	14	98.782	38.408,913	601.630,122	15,664	15,195	65	64	74.854	1.248,796	11.079,255	8,872	8,403
16	15	98.747	36.051,998	563.221,209	15,622	15,154	66	65	73.005	1.143,619	9.830,459	8,596	8,127
17	16	98.691	33.832,630	527.169,211	15,582	15,113	67	66	71.024	1.044,671	8.686,840	8,315	7,847
18	17	98.620	31.744,902	493.336,581	15,541	15,072	68	67	68.873	951,207	7.642,169	8,034	7,565
19	18	98.524	29.778,257	461.591,679	15,501	15,032	69	68	66.561	863,174	6.690,963	7,752	7,283
20	19	98.416	27.930,250	431.813,421	15,460	14,992	70	69	64.105	780,589	5.827,789	7,466	6,997
21	20	98.314	26.198,384	403.883,171	15,416	14,948	71	70	61.483	702,961	5.047,200	7,180	6,711
22	21	98.206	24.572,370	377.684,787	15,370	14,902	72	71	58.700	630,185	4.344,239	6,894	6,425
23	22	98.108	23.049,611	353.112,417	15,320	14,851	73	72	55.716	561,636	3.714,055	6,613	6,144
24	23	98.009	21.620,930	330.062,805	15,266	14,797	74	73	52.589	497,765	3.152,419	6,333	5,864
25	24	97.912	20.281,320	308.441,875	15,208	14,739	75	74	49.330	438,425	2.654,654	6,055	5,586
26	25	97.814	19.024,393	288.160,555	15,147	14,678	76	75	45.979	383,696	2.216,229	5,776	5,307
27	26	97.720	17.846,112	269.136,162	15,081	14,612	77	76	42.552	333,430	1.832,533	5,496	5,027
28	27	97.623	16.740,241	251.290,050	15,011	14,542	78	77	39.059	287,376	1.499,104	5,217	4,748
29	28	97.522	15.702,405	234.549,808	14,937	14,468	79	78	35.494	245,211	1.211,728	4,942	4,473
30	29	97.425	14.729,299	218.847,403	14,858	14,389	80	79	31.903	206,947	966,517	4,670	4,202
31	30	97.325	13.816,179	204.118,104	14,774	14,305	81	80	28.289	172,309	759,570	4,408	3,939
32	31	97.217	12.958,449	190.301,925	14,686	14,217	82	81	24.702	141,274	587,261	4,157	3,688
33	32	97.102	12.153,247	177.343,476	14,592	14,124	83	82	21.136	113,500	445,988	3,929	3,461
34	33	96.983	11.397,435	165.190,229	14,494	14,025	84	83	17.755	89,528	332,488	3,714	3,245
35	34	96.851	10.687,324	153.792,794	14,390	13,921	85	84	14.665	69,435	242,960	3,499	3,030
36	35	96.705	10.019,844	143.105,471	14,282	13,813	86	85	11.920	52,990	173,525	3,275	2,806
37	36	96.546	9.392,873	133.085,626	14,169	13,700	87	86	9.443	39,417	120,535	3,058	2,589
38	37	96.375	8.803,962	123.692,754	14,050	13,581	88	87	7.216	28,283	81,117	2,868	2,399
39	38	96.183	8.250,178	114.888,791	13,926	13,457	89	88	5.312	19,549	52,835	2,703	2,234
40	39	95.968	7.729,296	106.638,613	13,797	13,328	90	89	3.784	13,075	33,286	2,546	2,077
41	40	95.726	7.239,258	98.909,317	13,663	13,194	91	90	2.598	8,429	20,211	2,398	1,929
42	41	95.461	6.778,610	91.670,060	13,523	13,055	92	91	1.711	5,212	11,782	2,260	1,792
43	42	95.156	6.344,576	84.891,450	13,380	12,911	93	92	1.071	3,063	6,570	2,145	1,676
44	43	94.814	5.935,917	78.546,874	13,232	12,764	94	93	640	1,719	3,507	2,040	1,571
45	44	94.436	5.551,463	72.610,956	13,080	12,611	95	94	365	0,920	1,788	1,944	1,475
46	45	94.015	5.189,368	67.059,493	12,922	12,454	96	95	197	0,468	0,868	1,857	1,388
47	46	93.547	4.848,405	61.870,125	12,761	12,292	97	96	101	0,225	0,401	1,778	1,309
48	47	93.029	4.527,285	57.021,720	12,595	12,126	98	97	49	0,103	0,175	1,705	1,236
49	48	92.469	4.225,384	52.494,436	12,424	11,955	99	98	23	0,044	0,072	1,639	1,171
							100	99	10	0,018	0,028	1,579	1,111

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 2 Jahre

Zinsfuß 6,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	48	92.054	3.949,689	48.595,252	12,304	11,835
1							51	49	91.404	3.682,428	44.645,562	12,124	11,655
2	0	99.504	87.728,233	1.401.717,811	15,978	15,509	52	50	90.711	3.431,487	40.963,134	11,937	11,469
3	1	99.106	82.044,638	1.313.989,578	16,016	15,547	53	51	89.952	3.195,063	37.531,648	11,747	11,278
4	2	99.052	76.995,580	1.231.944,940	16,000	15,531	54	52	89.138	2.972,923	34.336,584	11,550	11,081
5	3	99.019	72.272,332	1.154.949,361	15,981	15,512	55	53	88.265	2.764,141	31.363,662	11,347	10,878
6	4	98.989	67.840,405	1.082.677,029	15,959	15,490	56	54	87.328	2.567,875	28.599,521	11,137	10,669
7	5	98.964	63.684,260	1.014.836,624	15,935	15,467	57	55	86.342	2.383,947	26.031,646	10,920	10,451
8	6	98.939	59.782,228	951.152,363	15,910	15,442	58	56	85.271	2.210,676	23.647,699	10,697	10,228
9	7	98.918	56.121,701	891.370,135	15,883	15,414	59	57	84.119	2.047,716	21.437,023	10,469	10,000
10	8	98.901	52.686,913	835.248,434	15,853	15,384	60	58	82.864	1.894,036	19.389,307	10,237	9,768
11	9	98.882	49.461,882	782.561,522	15,822	15,353	61	59	81.536	1.749,948	17.495,271	9,998	9,529
12	10	98.861	46.433,372	733.099,639	15,788	15,319	62	60	80.147	1.615,154	15.745,323	9,748	9,280
13	11	98.840	43.590,051	686.666,267	15,753	15,284	63	61	78.633	1.487,914	14.130,169	9,497	9,028
14	12	98.818	40.920,480	643.076,217	15,715	15,247	64	62	77.060	1.369,164	12.642,255	9,234	8,765
15	13	98.791	38.412,635	602.155,737	15,676	15,207	65	63	75.367	1.257,349	11.273,091	8,966	8,497
16	14	98.758	36.056,200	563.743,102	15,635	15,166	66	64	73.543	1.152,043	10.015,742	8,694	8,225
17	15	98.709	33.838,676	527.686,902	15,594	15,125	67	65	71.609	1.053,273	8.863,698	8,415	7,947
18	16	98.641	31.751,626	493.848,226	15,553	15,085	68	66	69.502	959,900	7.810,425	8,137	7,668
19	17	98.546	29.784,811	462.096,600	15,515	15,046	69	67	67.245	872,038	6.850,525	7,856	7,387
20	18	98.445	27.938,285	432.311,789	15,474	15,005	70	68	64.847	789,620	5.978,487	7,571	7,103
21	19	98.341	26.205,649	404.373,504	15,431	14,962	71	69	62.277	712,045	5.188,867	7,287	6,819
22	20	98.237	24.580,134	378.167,855	15,385	14,916	72	70	59.547	639,271	4.476,822	7,003	6,534
23	21	98.132	23.055,252	353.587,721	15,337	14,868	73	71	56.634	570,891	3.837,551	6,722	6,253
24	22	98.035	21.626,785	330.532,469	15,283	14,815	74	72	53.555	506,904	3.266,659	6,444	5,976
25	23	97.938	20.286,613	308.905,684	15,227	14,758	75	73	50.356	447,542	2.759,755	6,166	5,698
26	24	97.840	19.029,563	288.619,071	15,167	14,698	76	74	47.050	392,633	2.312,213	5,889	5,420
27	25	97.744	17.850,505	269.589,508	15,103	14,634	77	75	43.685	342,305	1.919,581	5,608	5,139
28	26	97.650	16.744,929	251.739,003	15,034	14,565	78	76	40.223	295,943	1.577,276	5,330	4,861
29	27	97.551	15.706,983	234.994,074	14,961	14,492	79	77	36.688	253,456	1.281,333	5,055	4,587
30	28	97.454	14.733,672	219.287,091	14,883	14,415	80	78	33.131	214,912	1.027,876	4,783	4,314
31	29	97.354	13.820,224	204.553,418	14,801	14,332	81	79	29.532	179,875	812,964	4,520	4,051
32	30	97.248	12.962,693	190.733,194	14,714	14,245	82	80	25.967	148,508	633,089	4,263	3,794
33	31	97.137	12.157,590	177.770,501	14,622	14,153	83	81	22.383	120,200	484,581	4,031	3,563
34	32	97.017	11.401,489	165.612,911	14,526	14,057	84	82	18.982	95,713	364,381	3,807	3,338
35	33	96.890	10.691,596	154.211,422	14,424	13,955	85	83	15.797	74,795	268,667	3,592	3,123
36	34	96.750	10.024,544	143.519,827	14,317	13,848	86	84	12.961	57,621	193,873	3,365	2,896
37	35	96.595	9.397,684	133.495,283	14,205	13,736	87	85	10.341	43,165	136,252	3,157	2,688
38	36	96.429	8.808,944	124.097,599	14,088	13,619	88	86	8.025	31,453	93,087	2,960	2,491
39	37	96.242	8.255,240	115.288,655	13,966	13,497	89	87	6.022	22,161	61,633	2,781	2,312
40	38	96.035	7.734,706	107.033,415	13,838	13,369	90	88	4.357	15,055	39,472	2,622	2,153
41	39	95.802	7.245,056	99.298,709	13,706	13,237	91	89	3.050	9,895	24,417	2,467	1,999
42	40	95.544	6.784,512	92.053,653	13,568	13,099	92	90	2.045	6,231	14,521	2,331	1,862
43	41	95.250	6.350,854	85.269,141	13,426	12,958	93	91	1.317	3,769	8,290	2,200	1,731
44	42	94.920	5.942,601	78.918,287	13,280	12,811	94	92	805	2,164	4,521	2,090	1,621
45	43	94.559	5.558,678	72.975,686	13,128	12,660	95	93	470	1,185	2,358	1,990	1,521
46	44	94.146	5.196,602	67.417,008	12,973	12,505	96	94	261	0,618	1,173	1,899	1,430
47	45	93.696	4.856,107	62.220,406	12,813	12,344	97	95	137	0,306	0,555	1,816	1,347
48	46	93.197	4.535,430	57.364,299	12,648	12,179	98	96	69	0,143	0,249	1,740	1,271
49	47	92.649	4.233,617	52.828,869	12,478	12,010	99	97	32	0,063	0,106	1,671	1,202
							100	98	14	0,026	0,043	1,608	1,140

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 3 Jahre

Zinsfuß 6,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	47	92.234	3.957,385	48.896,427	12,356	11,887
1							51	48	91.598	3.690,251	44.939,042	12,178	11,709
2							52	49	90.930	3.439,765	41.248,791	11,992	11,523
3	0	99.484	82.357,343	1.314.880,548	15,966	15,497	53	50	90.179	3.203,156	37.809,026	11,804	11,335
4	1	99.088	77.023,165	1.232.523,205	16,002	15,533	54	51	89.386	2.981,202	34.605,869	11,608	11,139
5	2	99.039	72.286,624	1.155.500,040	15,985	15,516	55	52	88.533	2.772,522	31.624,667	11,406	10,938
6	3	99.006	67.852,052	1.083.213,416	15,964	15,496	56	53	87.604	2.576,009	28.852,145	11,200	10,732
7	4	98.977	63.692,486	1.015.361,364	15,942	15,473	57	54	86.644	2.392,268	26.276,135	10,984	10,515
8	5	98.952	59.790,044	951.668,878	15,917	15,448	58	55	85.595	2.219,079	23.883,867	10,763	10,294
9	6	98.928	56.126,873	891.878,834	15,890	15,422	59	56	84.459	2.055,970	21.664,788	10,538	10,069
10	7	98.909	52.691,502	835.751,961	15,861	15,392	60	57	83.235	1.902,528	19.608,818	10,307	9,838
11	8	98.891	49.466,631	783.060,459	15,830	15,361	61	58	81.931	1.758,416	17.706,291	10,069	9,601
12	9	98.868	46.436,372	733.593,829	15,798	15,329	62	59	80.557	1.623,407	15.947,875	9,824	9,355
13	10	98.848	43.593,717	687.157,456	15,763	15,294	63	60	79.068	1.496,149	14.324,468	9,574	9,105
14	11	98.827	40.924,318	643.563,740	15,726	15,257	64	61	77.494	1.376,913	12.828,319	9,317	8,848
15	12	98.800	38.415,897	602.639,421	15,687	15,218	65	62	75.844	1.265,311	11.451,406	9,050	8,582
16	13	98.768	36.059,694	564.223,524	15,647	15,178	66	63	74.047	1.159,933	10.186,095	8,782	8,313
17	14	98.720	33.842,620	528.163,830	15,606	15,138	67	64	72.136	1.061,032	9.026,162	8,507	8,038
18	15	98.659	31.757,300	494.321,211	15,566	15,097	68	65	70.075	967,805	7.965,129	8,230	7,761
19	16	98.567	29.791,120	462.563,911	15,527	15,058	69	66	67.859	880,008	6.997,325	7,951	7,483
20	17	98.466	27.944,434	432.772,791	15,487	15,018	70	67	65.513	797,729	6.117,317	7,668	7,200
21	18	98.370	26.213,188	404.828,358	15,444	14,975	71	68	62.998	720,283	5.319,588	7,385	6,917
22	19	98.264	24.586,950	378.615,170	15,399	14,930	72	69	60.316	647,533	4.599,305	7,103	6,634
23	20	98.163	23.062,537	354.028,220	15,351	14,882	73	70	57.450	579,123	3.951,772	6,824	6,355
24	21	98.059	21.632,078	330.965,684	15,300	14,831	74	71	54.437	515,258	3.372,649	6,546	6,077
25	22	97.964	20.292,107	309.333,606	15,244	14,775	75	72	51.281	455,759	2.857,392	6,270	5,801
26	23	97.866	19.034,529	289.041,499	15,185	14,716	76	73	48.028	400,798	2.401,633	5,992	5,523
27	24	97.771	17.855,356	270.006,970	15,122	14,653	77	74	44.703	350,278	2.000,835	5,712	5,243
28	25	97.674	16.749,051	252.151,614	15,055	14,586	78	75	41.294	303,820	1.650,557	5,433	4,964
29	26	97.578	15.711,381	235.402,563	14,983	14,514	79	76	37.782	261,012	1.346,737	5,160	4,691
30	27	97.482	14.737,968	219.691,182	14,906	14,438	80	77	34.245	222,139	1.085,725	4,888	4,419
31	28	97.383	13.824,327	204.953,214	14,826	14,357	81	78	30.668	186,798	863,586	4,623	4,154
32	29	97.277	12.966,489	191.128,887	14,740	14,271	82	79	27.107	155,030	676,787	4,366	3,897
33	30	97.169	12.161,571	178.162,398	14,650	14,181	83	80	23.529	126,356	521,758	4,129	3,661
34	31	97.052	11.405,563	166.000,827	14,554	14,086	84	81	20.102	101,364	395,402	3,901	3,432
35	32	96.924	10.695,399	154.595,264	14,454	13,986	85	82	16.889	79,962	294,038	3,677	3,208
36	33	96.789	10.028,551	143.899,865	14,349	13,880	86	83	13.962	62,069	214,076	3,449	2,980
37	34	96.641	9.402,092	133.871,314	14,238	13,770	87	84	11.244	46,937	152,008	3,239	2,770
38	35	96.479	8.813,456	124.469,222	14,123	13,654	88	85	8.788	34,444	105,071	3,050	2,582
39	36	96.296	8.259,911	115.655,766	14,002	13,533	89	86	6.697	24,646	70,627	2,866	2,397
40	37	96.094	7.739,452	107.395,855	13,876	13,408	90	87	4.939	17,067	45,981	2,694	2,225
41	38	95.869	7.250,127	99.656,403	13,745	13,277	91	88	3.511	11,394	28,913	2,538	2,069
42	39	95.620	6.789,946	92.406,276	13,609	13,141	92	89	2.401	7,315	17,519	2,395	1,926
43	40	95.333	6.356,384	85.616,330	13,469	13,001	93	90	1.575	4,505	10,204	2,265	1,796
44	41	95.014	5.948,481	79.259,946	13,324	12,856	94	91	991	2,662	5,699	2,141	1,672
45	42	94.666	5.564,937	73.311,465	13,174	12,705	95	92	591	1,491	3,037	2,036	1,567
46	43	94.268	5.203,356	67.746,528	13,020	12,551	96	93	336	0,796	1,545	1,941	1,472
47	44	93.826	4.862,876	62.543,172	12,861	12,393	97	94	182	0,404	0,749	1,854	1,386
48	45	93.345	4.542,635	57.680,296	12,698	12,229	98	95	93	0,194	0,345	1,775	1,307
49	46	92.816	4.241,234	53.137,661	12,529	12,060	99	96	45	0,088	0,151	1,703	1,235
							100	97	21	0,038	0,062	1,638	1,169

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 4 Jahre

Zinsfuß 6,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	46	92.399	3.964,505	49.174,318	12,404	11,935
1							51	47	91.776	3.697,441	45.209,812	12,227	11,759
2							52	48	91.123	3.447,073	41.512,371	12,043	11,574
3							53	49	90.397	3.210,884	38.065,298	11,855	11,386
4	0	99.465	77.316,732	1.233.347,435	15,952	15,483	54	50	89.613	2.988,754	34.854,414	11,662	11,193
5	1	99.074	72.312,522	1.156.030,703	15,987	15,518	55	51	88.779	2.780,244	31.865,660	11,461	10,993
6	2	99.025	67.865,469	1.083.718,182	15,969	15,500	56	52	87.870	2.583,821	29.085,417	11,257	10,788
7	3	98.994	63.703,421	1.015.852,712	15,947	15,478	57	53	86.918	2.399,846	26.501,596	11,043	10,574
8	4	98.965	59.797,767	952.149,291	15,923	15,454	58	54	85.894	2.226,825	24.101,750	10,823	10,355
9	5	98.940	56.134,211	892.351,524	15,897	15,428	59	55	84.780	2.063,785	21.874,926	10,599	10,131
10	6	98.918	52.696,357	836.217,313	15,869	15,400	60	56	83.571	1.910,197	19.811,141	10,371	9,903
11	7	98.900	49.470,939	783.520,956	15,838	15,369	61	57	82.298	1.766,299	17.900,944	10,135	9,666
12	8	98.877	46.440,830	734.050,017	15,806	15,337	62	58	80.947	1.631,263	16.134,645	9,891	9,422
13	9	98.855	43.596,534	687.609,186	15,772	15,303	63	59	79.472	1.503,794	14.503,382	9,645	9,176
14	10	98.835	40.927,760	644.012,653	15,735	15,267	64	60	77.925	1.384,533	12.999,588	9,389	8,920
15	11	98.809	38.419,500	603.084,893	15,697	15,229	65	61	76.273	1.272,472	11.615,055	9,128	8,659
16	12	98.776	36.062,756	564.665,392	15,658	15,189	66	62	74.516	1.167,279	10.342,583	8,860	8,392
17	13	98.730	33.845,899	528.602,636	15,618	15,149	67	63	72.630	1.068,299	9.175,304	8,589	8,120
18	14	98.670	31.761,001	494.756,737	15,577	15,109	68	64	70.591	974,934	8.107,006	8,315	7,847
19	15	98.584	29.796,443	462.995,736	15,539	15,070	69	65	68.418	887,254	7.132,071	8,038	7,570
20	16	98.487	27.950,353	433.199,293	15,499	15,030	70	66	66.112	805,020	6.244,817	7,757	7,289
21	17	98.391	26.218,956	405.248,940	15,456	14,988	71	67	63.645	727,680	5.439,797	7,476	7,007
22	18	98.293	24.594,023	379.029,984	15,411	14,943	72	68	61.014	655,024	4.712,117	7,194	6,725
23	19	98.190	23.068,931	354.435,961	15,364	14,895	73	69	58.193	586,607	4.057,093	6,916	6,447
24	20	98.090	21.638,913	331.367,030	15,313	14,845	74	70	55.222	522,687	3.470,486	6,640	6,171
25	21	97.988	20.297,073	309.728,117	15,260	14,791	75	71	52.126	463,270	2.947,799	6,363	5,894
26	22	97.893	19.039,684	289.431,044	15,201	14,733	76	72	48.910	408,157	2.484,530	6,087	5,618
27	23	97.796	17.860,015	270.391,360	15,139	14,671	77	73	45.632	357,562	2.076,373	5,807	5,338
28	24	97.701	16.753,602	252.531,344	15,073	14,605	78	74	42.256	310,897	1.718,811	5,529	5,060
29	25	97.602	15.715,248	235.777,742	15,003	14,534	79	75	38.787	267,960	1.407,914	5,254	4,785
30	26	97.510	14.742,095	220.062,494	14,927	14,459	80	76	35.266	228,761	1.139,954	4,983	4,514
31	27	97.411	13.828,357	205.320,399	14,848	14,379	81	77	31.700	193,080	911,193	4,719	4,251
32	28	97.306	12.970,339	191.492,042	14,764	14,295	82	78	28.150	160,997	718,113	4,460	3,992
33	29	97.197	12.165,132	178.521,703	14,675	14,206	83	79	24.563	131,904	557,117	4,224	3,755
34	30	97.084	11.409,299	166.356,571	14,581	14,112	84	80	21.132	106,554	425,213	3,991	3,522
35	31	96.959	10.699,221	154.947,272	14,482	14,013	85	81	17.886	84,683	318,658	3,763	3,294
36	32	96.823	10.032,118	144.248,051	14,379	13,910	86	82	14.926	66,357	233,976	3,526	3,057
37	33	96.679	9.405,850	134.215,933	14,269	13,801	87	83	12.112	50,560	167,619	3,315	2,846
38	34	96.524	8.817,589	124.810,083	14,155	13,686	88	84	9.556	37,454	117,059	3,125	2,657
39	35	96.346	8.264,142	115.992,493	14,036	13,567	89	85	7.333	26,989	79,605	2,949	2,481
40	36	96.148	7.743,831	107.728,352	13,912	13,443	90	86	5.493	18,981	52,615	2,772	2,303
41	37	95.928	7.254,576	99.984,520	13,782	13,314	91	87	3.981	12,917	33,635	2,604	2,135
42	38	95.687	6.794,699	92.729,944	13,647	13,179	92	88	2.765	8,423	20,718	2,460	1,991
43	39	95.409	6.361,475	85.935,245	13,509	13,040	93	89	1.849	5,289	12,295	2,324	1,856
44	40	95.097	5.953,660	79.573,771	13,366	12,897	94	90	1.185	3,183	7,006	2,201	1,732
45	41	94.759	5.570,443	73.620,110	13,216	12,747	95	91	728	1,835	3,823	2,083	1,614
46	42	94.374	5.209,214	68.049,667	13,063	12,595	96	92	423	1,002	1,988	1,984	1,515
47	43	93.948	4.869,196	62.840,453	12,906	12,437	97	93	234	0,521	0,986	1,894	1,425
48	44	93.475	4.548,967	57.971,256	12,744	12,275	98	94	123	0,257	0,465	1,811	1,343
49	45	92.963	4.247,972	53.422,289	12,576	12,107	99	95	61	0,120	0,208	1,736	1,268
							100	96	29	0,053	0,088	1,668	1,199

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 5 Jahre

Zinsfuß 6,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	45	92.546	3.970,803	49.430,301	12,448	11,980
1							51	46	91.942	3.704,094	45.459,498	12,273	11,804
2							52	47	91.301	3.453,789	41.755,405	12,090	11,621
3							53	48	90.589	3.217,705	38.301,615	11,903	11,435
4							54	49	89.829	2.995,964	35.083,910	11,710	11,242
5	0	99.452	72.588,134	1.156.793,092	15,936	15,468	55	50	89.004	2.787,286	32.087,946	11,512	11,044
6	1	99.061	67.889,784	1.084.204,957	15,970	15,501	56	51	88.115	2.591,017	29.300,659	11,309	10,840
7	2	99.014	63.716,018	1.016.315,174	15,951	15,482	57	52	87.182	2.407,123	26.709,643	11,096	10,627
8	3	98.982	59.808,033	952.599,155	15,928	15,459	58	53	86.166	2.233,878	24.302,520	10,879	10,410
9	4	98.953	56.141,462	892.791,122	15,903	15,434	59	54	85.076	2.070,989	22.068,642	10,656	10,187
10	5	98.931	52.703,247	836.649,660	15,875	15,406	60	55	83.888	1.917,458	19.997,653	10,429	9,961
11	6	98.909	49.475,498	783.946,414	15,845	15,376	61	56	82.630	1.773,419	18.080,196	10,195	9,726
12	7	98.886	46.444,875	734.470,916	15,814	15,345	62	57	81.310	1.638,576	16.306,777	9,952	9,483
13	8	98.864	43.600,719	688.026,040	15,780	15,311	63	58	79.856	1.511,071	14.668,201	9,707	9,238
14	9	98.842	40.930,405	644.425,321	15,744	15,276	64	59	78.323	1.391,608	13.157,130	9,455	8,986
15	10	98.817	38.422,731	603.494,917	15,707	15,238	65	60	76.695	1.279,515	11.765,522	9,195	8,727
16	11	98.786	36.066,139	565.072,185	15,668	15,199	66	61	74.938	1.173,884	10.486,008	8,933	8,464
17	12	98.738	33.848,774	529.006,047	15,629	15,160	67	62	73.090	1.075,064	9.312,123	8,662	8,193
18	13	98.680	31.764,079	495.157,273	15,589	15,120	68	63	71.074	981,611	8.237,059	8,391	7,923
19	14	98.596	29.799,916	463.393,194	15,550	15,081	69	64	68.922	893,791	7.255,448	8,118	7,649
20	15	98.505	27.955,347	433.593,279	15,510	15,041	70	65	66.656	811,649	6.361,658	7,838	7,369
21	16	98.412	26.224,510	405.637,931	15,468	14,999	71	66	64.226	734,331	5.550,009	7,558	7,089
22	17	98.314	24.599,435	379.413,421	15,424	14,955	72	67	61.641	661,751	4.815,678	7,277	6,808
23	18	98.219	23.075,568	354.813,986	15,376	14,907	73	68	58.866	593,394	4.153,927	7,000	6,532
24	19	98.117	21.644,913	331.738,418	15,326	14,858	74	69	55.936	529,442	3.560,533	6,725	6,256
25	20	98.019	20.303,486	310.093,505	15,273	14,804	75	70	52.878	469,949	3.031,092	6,450	5,981
26	21	97.916	19.044,344	289.790,020	15,217	14,748	76	71	49.716	414,883	2.561,143	6,173	5,704
27	22	97.823	17.864,852	270.745,676	15,155	14,686	77	72	46.470	364,127	2.146,260	5,894	5,426
28	23	97.726	16.757,975	252.880,824	15,090	14,621	78	73	43.134	317,362	1.782,133	5,615	5,147
29	24	97.629	15.719,519	236.122,849	15,021	14,552	79	74	39.691	274,201	1.464,771	5,342	4,873
30	25	97.534	14.745,723	220.403,330	14,947	14,478	80	75	36.204	234,850	1.190,570	5,069	4,601
31	26	97.438	13.832,230	205.657,607	14,868	14,399	81	76	32.645	198,836	955,719	4,807	4,338
32	27	97.334	12.974,120	191.825,377	14,785	14,316	82	77	29.097	166,410	756,884	4,548	4,080
33	28	97.226	12.168,744	178.851,257	14,698	14,229	83	78	25.508	136,981	590,473	4,311	3,842
34	29	97.112	11.412,639	166.682,513	14,605	14,136	84	79	22.060	111,234	453,492	4,077	3,608
35	30	96.991	10.702,725	155.269,874	14,508	14,039	85	80	18.802	89,019	342,259	3,845	3,376
36	31	96.858	10.035,703	144.567,149	14,405	13,937	86	81	15.807	70,274	253,240	3,604	3,135
37	32	96.714	9.409,196	134.531,446	14,298	13,829	87	82	12.949	54,053	182,965	3,385	2,916
38	33	96.563	8.821,114	125.122,250	14,184	13,716	88	83	10.293	40,345	128,912	3,195	2,727
39	34	96.391	8.268,018	116.301,136	14,066	13,598	89	84	7.974	29,348	88,567	3,018	2,549
40	35	96.197	7.747,798	108.033,118	13,944	13,475	90	85	6.015	20,786	59,219	2,849	2,380
41	36	95.982	7.258,681	100.285,320	13,816	13,347	91	86	4.427	14,365	38,434	2,676	2,207
42	37	95.746	6.798,868	93.026,640	13,683	13,214	92	87	3.134	9,548	24,069	2,521	2,052
43	38	95.476	6.365,928	86.227,771	13,545	13,076	93	88	2.129	6,090	14,521	2,384	1,915
44	39	95.173	5.958,429	79.861,844	13,403	12,934	94	89	1.391	3,737	8,430	2,256	1,787
45	40	94.842	5.575,294	73.903,415	13,256	12,787	95	90	870	2,194	4,694	2,139	1,671
46	41	94.468	5.214,369	68.328,121	13,104	12,635	96	91	521	1,233	2,500	2,028	1,559
47	42	94.054	4.874,679	63.113,753	12,947	12,479	97	92	295	0,655	1,267	1,934	1,465
48	43	93.596	4.554,879	58.239,074	12,786	12,317	98	93	159	0,331	0,612	1,848	1,379
49	44	93.093	4.253,893	53.684,194	12,620	12,151	99	94	81	0,159	0,281	1,770	1,301
							100	95	39	0,072	0,122	1,699	1,230

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 6 Jahre

Zinsfuß 6,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	44	92.675	3.976,338	49.665,718	12,490	12,022
1							51	45	92.088	3.709,978	45.689,380	12,315	11,847
2							52	46	91.465	3.460,003	41.979,402	12,133	11,664
3							53	47	90.766	3.223,975	38.519,399	11,948	11,479
4							54	48	90.020	3.002,329	35.295,424	11,756	11,287
5							55	49	89.219	2.794,011	32.293,095	11,558	11,089
6	0	99.438	68.148,539	1.084.910,070	15,920	15,451	56	50	88.338	2.597,580	29.499,084	11,356	10,888
7	1	99.049	63.738,846	1.016.761,530	15,952	15,483	57	51	87.425	2.413,827	26.901,505	11,145	10,676
8	2	99.002	59.819,860	953.022,684	15,932	15,463	58	52	86.427	2.240,652	24.487,678	10,929	10,460
9	3	98.970	56.151,100	893.202,824	15,907	15,438	59	53	85.345	2.077,549	22.247,026	10,708	10,240
10	4	98.944	52.710,055	837.051,724	15,880	15,412	60	54	84.181	1.924,150	20.169,477	10,482	10,014
11	5	98.922	49.481,967	784.341,670	15,851	15,382	61	55	82.944	1.780,160	18.245,327	10,249	9,781
12	6	98.895	46.449,155	734.859,703	15,821	15,352	62	56	81.637	1.645,181	16.465,167	10,008	9,539
13	7	98.873	43.604,516	688.410,548	15,788	15,319	63	57	80.214	1.517,845	14.819,986	9,764	9,295
14	8	98.851	40.934,334	644.806,031	15,752	15,283	64	58	78.702	1.398,342	13.302,141	9,513	9,044
15	9	98.824	38.425,214	603.871,698	15,716	15,247	65	59	77.087	1.286,053	11.903,799	9,256	8,787
16	10	98.794	36.069,172	565.446,483	15,677	15,208	66	60	75.352	1.180,382	10.617,747	8,995	8,526
17	11	98.748	33.851,948	529.377,311	15,638	15,169	67	61	73.504	1.081,148	9.437,365	8,729	8,260
18	12	98.688	31.766,777	495.525,363	15,599	15,130	68	62	71.524	987,827	8.356,217	8,459	7,990
19	13	98.605	29.802,803	463.758,587	15,561	15,092	69	63	69.394	899,912	7.368,390	8,188	7,719
20	14	98.516	27.958,605	433.955,783	15,521	15,053	70	64	67.147	817,628	6.468,478	7,911	7,443
21	15	98.430	26.229,196	405.997,178	15,479	15,010	71	65	64.755	740,378	5.650,850	7,632	7,164
22	16	98.335	24.604,646	379.767,982	15,435	14,966	72	66	62.204	667,799	4.910,473	7,353	6,884
23	17	98.240	23.080,646	355.163,336	15,388	14,919	73	67	59.470	599,487	4.242,674	7,077	6,608
24	18	98.146	21.651,140	332.082,690	15,338	14,869	74	68	56.583	535,567	3.643,186	6,802	6,334
25	19	98.046	20.309,115	310.431,550	15,285	14,817	75	69	53.561	476,022	3.107,619	6,528	6,060
26	20	97.947	19.050,361	290.122,435	15,229	14,760	76	70	50.433	420,865	2.631,596	6,253	5,784
27	21	97.846	17.869,224	271.072,074	15,170	14,701	77	71	47.236	370,128	2.210,732	5,973	5,504
28	22	97.753	16.762,513	253.202,850	15,105	14,637	78	72	43.926	323,189	1.840,604	5,695	5,226
29	23	97.654	15.723,621	236.440,337	15,037	14,569	79	73	40.516	279,903	1.517,415	5,421	4,952
30	24	97.560	14.749,730	220.716,715	14,964	14,495	80	74	37.048	240,320	1.237,512	5,149	4,681
31	25	97.462	13.835,634	205.966,985	14,887	14,418	81	75	33.514	204,128	997,191	4,885	4,416
32	26	97.361	12.977,753	192.131,350	14,805	14,336	82	76	29.964	171,371	793,063	4,628	4,159
33	27	97.254	12.172,292	179.153,598	14,718	14,249	83	77	26.366	141,587	621,692	4,391	3,922
34	28	97.141	11.416,028	166.981,306	14,627	14,158	84	78	22.909	115,515	480,105	4,156	3,687
35	29	97.019	10.705,858	155.565,278	14,531	14,062	85	79	19.627	92,928	364,590	3,923	3,455
36	30	96.889	10.038,990	144.859,420	14,430	13,961	86	80	16.617	73,873	271,662	3,677	3,209
37	31	96.748	9.412,558	134.820,429	14,323	13,855	87	81	13.714	57,244	197,789	3,455	2,986
38	32	96.597	8.824,252	125.407,871	14,212	13,743	88	82	11.004	43,132	140,544	3,258	2,790
39	33	96.429	8.271,323	116.583,619	14,095	13,626	89	83	8.590	31,613	97,412	3,081	2,613
40	34	96.242	7.751,432	108.312,296	13,973	13,504	90	84	6.540	22,602	65,799	2,911	2,442
41	35	96.032	7.262,399	100.560,865	13,847	13,378	91	85	4.848	15,730	43,197	2,746	2,277
42	36	95.800	6.802,715	93.298,466	13,715	13,246	92	86	3.485	10,619	27,467	2,587	2,118
43	37	95.535	6.369,834	86.495,751	13,579	13,110	93	87	2.413	6,904	16,848	2,440	1,971
44	38	95.240	5.962,600	80.125,918	13,438	12,969	94	88	1.602	4,302	9,943	2,311	1,842
45	39	94.918	5.579,759	74.163,318	13,291	12,823	95	89	1.021	2,576	5,641	2,190	1,721
46	40	94.550	5.218,909	68.583,559	13,141	12,673	96	90	622	1,474	3,065	2,080	1,611
47	41	94.147	4.879,502	63.364,650	12,986	12,517	97	91	363	0,806	1,591	1,974	1,505
48	42	93.702	4.560,008	58.485,148	12,826	12,357	98	92	199	0,417	0,785	1,885	1,416
49	43	93.214	4.259,422	53.925,140	12,660	12,191	99	93	104	0,204	0,369	1,804	1,335
							100	94	52	0,095	0,164	1,730	1,261

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 7 Jahre

Zinsfuß 6,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	43	92.796	3.981,506	49.882,201	12,528	12,060
1							51	44	92.216	3.715,149	45.900,695	12,355	11,886
2							52	45	91.611	3.465,500	42.185,546	12,173	11,704
3							53	46	90.929	3.229,776	38.720,046	11,988	11,520
4							54	47	90.195	3.008,179	35.490,271	11,798	11,329
5							55	48	89.408	2.799,946	32.482,092	11,601	11,132
6							56	49	88.551	2.603,846	29.682,146	11,399	10,931
7	0	99.427	63.981,781	1.017.413,637	15,902	15,433	57	50	87.646	2.419,941	27.078,299	11,190	10,721
8	1	99.037	59.841,292	953.431,856	15,933	15,464	58	51	86.668	2.246,892	24.658,358	10,974	10,506
9	2	98.990	56.162,204	893.590,564	15,911	15,442	59	52	85.604	2.083,848	22.411,466	10,755	10,286
10	3	98.961	52.719,104	837.428,360	15,885	15,416	60	53	84.448	1.930,245	20.327,617	10,531	10,062
11	4	98.935	49.488,358	784.709,256	15,856	15,388	61	54	83.234	1.786,373	18.397,372	10,299	9,830
12	5	98.908	46.455,228	735.220,898	15,826	15,358	62	55	81.948	1.651,435	16.610,999	10,059	9,590
13	6	98.882	43.608,535	688.765,670	15,794	15,326	63	56	80.538	1.523,963	14.959,564	9,816	9,347
14	7	98.860	40.937,899	645.157,135	15,759	15,291	64	57	79.055	1.404,611	13.435,601	9,565	9,097
15	8	98.833	38.428,903	604.219,236	15,723	15,254	65	58	77.460	1.292,276	12.030,990	9,310	8,841
16	9	98.800	36.071,503	565.790,333	15,685	15,217	66	59	75.737	1.186,413	10.738,714	9,051	8,583
17	10	98.756	33.854,795	529.718,830	15,647	15,178	67	60	73.910	1.087,132	9.552,301	8,787	8,318
18	11	98.698	31.769,756	495.864,035	15,608	15,139	68	61	71.929	993,418	8.465,170	8,521	8,053
19	12	98.614	29.805,335	464.094,279	15,571	15,102	69	62	69.834	905,611	7.471,752	8,251	7,782
20	13	98.526	27.961,315	434.288,944	15,532	15,063	70	63	67.607	823,227	6.566,142	7,976	7,507
21	14	98.441	26.232,253	406.327,630	15,490	15,021	71	64	65.232	745,832	5.742,914	7,700	7,231
22	15	98.353	24.609,042	380.095,377	15,445	14,977	72	65	62.716	673,298	4.997,082	7,422	6,953
23	16	98.261	23.085,535	355.486,334	15,399	14,930	73	66	60.014	604,966	4.323,784	7,147	6,678
24	17	98.167	21.655,905	332.400,800	15,349	14,880	74	67	57.164	541,067	3.718,818	6,873	6,404
25	18	98.075	20.314,958	310.744,895	15,296	14,828	75	68	54.181	481,530	3.177,751	6,599	6,131
26	19	97.975	19.055,643	290.429,937	15,241	14,772	76	69	51.085	426,304	2.696,221	6,325	5,856
27	20	97.877	17.874,870	271.374,294	15,182	14,713	77	70	47.917	375,464	2.269,917	6,046	5,577
28	21	97.776	16.766,615	253.499,424	15,119	14,651	78	71	44.650	328,515	1.894,453	5,767	5,298
29	22	97.681	15.727,880	236.732,809	15,052	14,583	79	72	41.260	285,043	1.565,938	5,494	5,025
30	23	97.586	14.753,580	221.004,929	14,980	14,511	80	73	37.818	245,318	1.280,895	5,221	4,753
31	24	97.489	13.839,394	206.251,349	14,903	14,434	81	74	34.294	208,883	1.035,577	4,958	4,489
32	25	97.385	12.980,947	192.411,955	14,823	14,354	82	75	30.762	175,933	826,695	4,699	4,230
33	26	97.282	12.175,700	179.431,008	14,737	14,268	83	76	27.152	145,808	650,762	4,463	3,994
34	27	97.169	11.419,356	167.255,308	14,647	14,178	84	77	23.679	119,399	504,954	4,229	3,760
35	28	97.048	10.709,037	155.835,952	14,552	14,083	85	78	20.383	96,505	385,554	3,995	3,526
36	29	96.918	10.041,929	145.126,915	14,452	13,983	86	79	17.347	77,117	289,050	3,748	3,279
37	30	96.780	9.415,641	135.084,985	14,347	13,878	87	80	14.416	60,176	211,933	3,522	3,053
38	31	96.631	8.827,405	125.669,344	14,236	13,768	88	81	11.654	45,679	151,757	3,322	2,854
39	32	96.464	8.274,265	116.841,939	14,121	13,652	89	82	9.183	33,797	106,078	3,139	2,670
40	33	96.281	7.754,530	108.567,674	14,001	13,532	90	83	7.045	24,347	72,281	2,969	2,500
41	34	96.077	7.265,805	100.813,144	13,875	13,406	91	84	5.272	17,105	47,935	2,802	2,334
42	35	95.849	6.806,199	93.547,339	13,744	13,276	92	85	3.817	11,629	30,830	2,651	2,182
43	36	95.589	6.373,438	86.741,139	13,610	13,141	93	86	2.684	7,678	19,201	2,501	2,032
44	37	95.298	5.966,258	80.367,702	13,470	13,002	94	87	1.816	4,877	11,523	2,362	1,894
45	38	94.984	5.583,665	74.401,443	13,325	12,856	95	88	1.176	2,966	6,645	2,241	1,772
46	39	94.626	5.223,089	68.817,779	13,176	12,707	96	89	731	1,730	3,679	2,126	1,658
47	40	94.229	4.883,751	63.594,690	13,022	12,553	97	90	433	0,964	1,949	2,022	1,554
48	41	93.794	4.564,520	58.710,939	12,862	12,394	98	91	245	0,513	0,985	1,922	1,453
49	42	93.319	4.264,218	54.146,419	12,698	12,229	99	92	131	0,257	0,473	1,838	1,369
							100	93	66	0,122	0,216	1,761	1,293

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 8 Jahre

Zinsfuß 6,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	42	92.900	3.985,989	50.080,939	12,564	12,096
1							51	43	92.336	3.719,978	46.094,950	12,391	11,922
2							52	44	91.738	3.470,330	42.374,972	12,211	11,742
3							53	45	91.073	3.234,906	38.904,642	12,027	11,558
4							54	46	90.357	3.013,591	35.669,736	11,836	11,368
5							55	47	89.583	2.805,402	32.656,145	11,640	11,172
6							56	48	88.739	2.609,378	29.850,743	11,440	10,971
7							57	49	87.858	2.425,779	27.241,365	11,230	10,761
8	0	99.415	60.069,371	954.034,929	15,882	15,413	58	50	86.888	2.252,584	24.815,586	11,016	10,548
9	1	99.025	56.182,325	893.965,557	15,912	15,443	59	51	85.842	2.089,652	22.563,002	10,797	10,329
10	2	98.981	52.729,529	837.783,232	15,888	15,420	60	52	84.704	1.936,098	20.473,350	10,575	10,106
11	3	98.952	49.496,854	785.053,703	15,861	15,392	61	53	83.497	1.792,032	18.537,252	10,344	9,876
12	4	98.920	46.461,229	735.556,849	15,832	15,363	62	54	82.234	1.657,199	16.745,220	10,105	9,636
13	5	98.895	43.614,236	689.095,620	15,800	15,331	63	55	80.844	1.529,756	15.088,021	9,863	9,394
14	6	98.869	40.941,672	645.481,384	15,766	15,297	64	56	79.374	1.410,273	13.558,265	9,614	9,145
15	7	98.842	38.432,250	604.539,712	15,730	15,261	65	57	77.808	1.298,069	12.147,992	9,359	8,890
16	8	98.810	36.074,966	566.107,462	15,693	15,224	66	58	76.104	1.192,154	10.849,923	9,101	8,632
17	9	98.762	33.856,983	530.032,496	15,655	15,186	67	59	74.288	1.092,687	9.657,769	8,839	8,370
18	10	98.706	31.772,428	496.175,513	15,617	15,148	68	60	72.327	998,916	8.565,082	8,574	8,106
19	11	98.623	29.808,130	464.403,086	15,580	15,111	69	61	70.229	910,736	7.566,166	8,308	7,839
20	12	98.534	27.963,689	434.594,956	15,541	15,073	70	62	68.035	828,441	6.655,431	8,034	7,565
21	13	98.451	26.234,795	406.631,266	15,500	15,031	71	63	65.679	750,939	5.826,990	7,760	7,291
22	14	98.364	24.611,910	380.396,471	15,456	14,987	72	64	63.178	678,258	5.076,051	7,484	7,015
23	15	98.279	23.089,660	355.784,561	15,409	14,940	73	65	60.508	609,948	4.397,792	7,210	6,741
24	16	98.188	21.660,492	332.694,901	15,360	14,891	74	66	57.686	546,012	3.787,844	6,937	6,469
25	17	98.096	20.319,429	311.034,409	15,307	14,839	75	67	54.737	486,475	3.241,832	6,664	6,195
26	18	98.003	19.061,125	290.714,980	15,252	14,783	76	68	51.676	431,236	2.755,357	6,389	5,921
27	19	97.905	17.879,827	271.653,855	15,193	14,725	77	69	48.536	380,316	2.324,121	6,111	5,642
28	20	97.807	16.771,913	253.774,029	15,131	14,662	78	70	45.294	333,251	1.943,805	5,833	5,364
29	21	97.705	15.731,729	237.002,116	15,065	14,596	79	71	41.940	289,740	1.610,553	5,559	5,090
30	22	97.612	14.757,575	221.270,387	14,994	14,525	80	72	38.512	249,822	1.320,814	5,287	4,818
31	23	97.514	13.843,006	206.512,812	14,918	14,449	81	73	35.007	213,227	1.070,991	5,023	4,554
32	24	97.412	12.984,475	192.669,806	14,838	14,370	82	74	31.478	180,031	857,765	4,765	4,296
33	25	97.306	12.178,697	179.685,331	14,754	14,285	83	75	27.875	149,689	677,734	4,528	4,059
34	26	97.196	11.422,554	167.506,634	14,665	14,196	84	76	24.385	122,959	528,045	4,294	3,826
35	27	97.076	10.712,159	156.084,081	14,571	14,102	85	77	21.068	99,750	405,086	4,061	3,592
36	28	96.946	10.044,911	145.371,922	14,472	14,003	86	78	18.014	80,085	305,336	3,813	3,344
37	29	96.808	9.418,398	135.327,011	14,368	13,900	87	79	15.049	62,818	225,251	3,586	3,117
38	30	96.663	8.830,296	125.908,613	14,259	13,790	88	80	12.251	48,018	162,433	3,383	2,914
39	31	96.498	8.277,222	117.078,317	14,145	13,676	89	81	9.725	35,792	114,415	3,197	2,728
40	32	96.315	7.757,288	108.801,095	14,026	13,557	90	82	7.532	26,029	78,623	3,021	2,552
41	33	96.115	7.268,709	101.043,806	13,901	13,432	91	83	5.678	18,425	52,594	2,854	2,386
42	34	95.894	6.809,392	93.775,097	13,771	13,303	92	84	4.150	12,645	34,169	2,702	2,233
43	35	95.638	6.376,702	86.965,705	13,638	13,169	93	85	2.939	8,409	21,524	2,560	2,091
44	36	95.352	5.969,634	80.589,003	13,500	13,031	94	86	2.019	5,424	13,116	2,418	1,949
45	37	95.043	5.587,091	74.619,369	13,356	12,887	95	87	1.333	3,362	7,691	2,288	1,819
46	38	94.692	5.226,745	69.032,278	13,208	12,739	96	88	841	1,992	4,329	2,173	1,704
47	39	94.305	4.887,662	63.805,533	13,054	12,586	97	89	509	1,132	2,337	2,065	1,597
48	40	93.876	4.568,494	58.917,871	12,897	12,428	98	90	293	0,613	1,205	1,967	1,498
49	41	93.411	4.268,437	54.349,376	12,733	12,264	99	91	161	0,316	0,593	1,872	1,404
							100	92	84	0,154	0,276	1,793	1,324

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 9 Jahre

Zinsfuß 6,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	41	92.992	3.989,933	50.263,164	12,597	12,129
1							51	42	92.440	3.724,166	46.273,231	12,425	11,956
2							52	43	91.857	3.474,841	42.549,064	12,245	11,776
3							53	44	91.200	3.239,415	39.074,223	12,062	11,593
4							54	45	90.501	3.018,378	35.834,808	11,872	11,403
5							55	46	89.744	2.810,449	32.816,430	11,677	11,208
6							56	47	88.912	2.614,462	30.005,980	11,477	11,008
7							57	48	88.044	2.430,933	27.391,518	11,268	10,799
8							58	49	87.097	2.258,018	24.960,585	11,054	10,585
9	0	99.403	56.396,459	894.523,297	15,861	15,393	59	50	86.060	2.094,945	22.702,567	10,837	10,368
10	1	99.016	52.748,420	838.126,838	15,889	15,420	60	51	84.940	1.941,490	20.607,622	10,614	10,146
11	2	98.971	49.506,642	785.378,417	15,864	15,395	61	52	83.750	1.797,466	18.666,132	10,385	9,916
12	3	98.937	46.469,205	735.871,775	15,836	15,367	62	53	82.494	1.662,448	16.868,666	10,147	9,678
13	4	98.908	43.619,870	689.402,570	15,805	15,336	63	54	81.126	1.535,096	15.206,218	9,906	9,437
14	5	98.882	40.947,024	645.782,700	15,771	15,302	64	55	79.676	1.415,634	13.671,122	9,657	9,189
15	6	98.851	38.435,792	604.835,675	15,736	15,268	65	56	78.121	1.303,302	12.255,489	9,403	8,935
16	7	98.818	36.078,108	566.399,884	15,699	15,231	66	57	76.445	1.197,499	10.952,187	9,146	8,677
17	8	98.772	33.860,233	530.321,776	15,662	15,193	67	58	74.648	1.097,974	9.754,689	8,884	8,416
18	9	98.712	31.774,481	496.461,543	15,625	15,156	68	59	72.697	1.004,020	8.656,714	8,622	8,153
19	10	98.631	29.810,637	464.687,062	15,588	15,119	69	60	70.617	915,776	7.652,694	8,357	7,888
20	11	98.543	27.966,312	434.876,425	15,550	15,081	70	61	68.420	833,129	6.736,918	8,086	7,618
21	12	98.459	26.237,023	406.910,113	15,509	15,040	71	62	66.095	755,695	5.903,789	7,812	7,344
22	13	98.374	24.614,295	380.673,090	15,466	14,997	72	63	63.611	682,903	5.148,094	7,539	7,070
23	14	98.290	23.092,351	356.058,794	15,419	14,950	73	64	60.954	614,441	4.465,191	7,267	6,798
24	15	98.206	21.664,362	332.966,443	15,369	14,901	74	65	58.161	550,508	3.850,750	6,995	6,526
25	16	98.117	20.323,733	311.302,081	15,317	14,848	75	66	55.237	490,921	3.300,241	6,723	6,254
26	17	98.024	19.065,320	290.978,348	15,262	14,793	76	67	52.206	435,664	2.809,320	6,448	5,980
27	18	97.933	17.884,970	271.913,028	15,203	14,735	77	68	49.098	384,717	2.373,656	6,170	5,701
28	19	97.834	16.776,563	254.028,058	15,142	14,673	78	69	45.879	337,558	1.988,939	5,892	5,423
29	20	97.735	15.736,699	237.251,495	15,076	14,608	79	70	42.545	293,917	1.651,381	5,619	5,150
30	21	97.636	14.761,187	221.514,796	15,007	14,538	80	71	39.147	253,939	1.357,463	5,346	4,877
31	22	97.541	13.846,755	206.753,609	14,932	14,463	81	72	35.650	217,142	1.103,524	5,082	4,613
32	23	97.437	12.987,863	192.906,854	14,853	14,384	82	73	32.133	183,774	886,383	4,823	4,354
33	24	97.332	12.182,007	179.918,991	14,769	14,300	83	74	28.524	153,176	702,608	4,587	4,118
34	25	97.220	11.425,365	167.736,984	14,681	14,212	84	75	25.034	126,232	549,433	4,353	3,884
35	26	97.104	10.715,159	156.311,619	14,588	14,119	85	76	21.696	102,724	423,201	4,120	3,651
36	27	96.975	10.047,839	145.596,460	14,490	14,022	86	77	18.620	82,778	320,477	3,872	3,403
37	28	96.837	9.421,194	135.548,621	14,388	13,919	87	78	15.628	65,236	237,699	3,644	3,175
38	29	96.691	8.832,882	126.127,427	14,279	13,811	88	79	12.789	50,126	172,463	3,441	2,972
39	30	96.530	8.279,933	117.294,545	14,166	13,697	89	80	10.223	37,625	122,337	3,251	2,783
40	31	96.349	7.760,060	109.014,612	14,048	13,579	90	81	7.977	27,565	84,712	3,073	2,604
41	32	96.149	7.271,295	101.254,552	13,925	13,457	91	82	6.071	19,698	57,147	2,901	2,432
42	33	95.932	6.812,114	93.983,257	13,796	13,328	92	83	4.471	13,621	37,448	2,749	2,281
43	34	95.683	6.379,693	87.171,143	13,664	13,195	93	84	3.196	9,143	23,827	2,606	2,137
44	35	95.401	5.972,692	80.791,450	13,527	13,058	94	85	2.211	5,940	14,684	2,472	2,003
45	36	95.096	5.590,252	74.818,758	13,384	12,915	95	86	1.482	3,739	8,744	2,339	1,870
46	37	94.750	5.229,952	69.228,506	13,237	12,768	96	87	954	2,259	5,005	2,216	1,747
47	38	94.371	4.891,084	63.998,554	13,085	12,616	97	88	586	1,303	2,746	2,108	1,639
48	39	93.951	4.572,153	59.107,471	12,928	12,459	98	89	345	0,719	1,444	2,007	1,538
49	40	93.493	4.272,154	54.535,317	12,765	12,297	99	90	193	0,378	0,724	1,914	1,445
							100	91	103	0,190	0,346	1,825	1,356

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 10 Jahre

Zinsfuß 6,50%

Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	40	93.073	3.993,407	50.430,064	12,628	12,160
1							51	41	92.531	3.727,851	46.436,657	12,457	11,988
2							52	42	91.961	3.478,753	42.708,806	12,277	11,808
3							53	43	91.319	3.243,626	39.230,053	12,095	11,626
4							54	44	90.627	3.022,586	35.986,427	11,906	11,437
5							55	45	89.886	2.814,914	32.963,841	11,710	11,242
6							56	46	89.072	2.619,166	30.148,927	11,511	11,042
7							57	47	88.216	2.435,669	27.529,761	11,303	10,834
8							58	48	87.282	2.262,815	25.094,092	11,090	10,621
9							59	49	86.267	2.099,999	22.831,277	10,872	10,403
10	0	99.393	52.949,466	838.642,684	15,839	15,370	60	50	85.155	1.946,408	20.731,278	10,651	10,182
11	1	99.007	49.524,379	785.693,218	15,865	15,396	61	51	83.984	1.802,472	18.784,869	10,422	9,953
12	2	98.957	46.478,394	736.168,839	15,839	15,370	62	52	82.744	1.667,489	16.982,398	10,184	9,716
13	3	98.924	43.627,358	689.690,444	15,809	15,340	63	53	81.383	1.539,958	15.314,908	9,945	9,476
14	4	98.895	40.952,314	646.063,086	15,776	15,307	64	54	79.954	1.420,575	13.774,950	9,697	9,228
15	5	98.864	38.440,817	605.110,772	15,741	15,273	65	55	78.418	1.308,256	12.354,376	9,443	8,975
16	6	98.827	36.081,432	566.669,955	15,705	15,237	66	56	76.753	1.202,326	11.046,120	9,187	8,719
17	7	98.780	33.863,182	530.588,523	15,669	15,200	67	57	74.982	1.102,897	9.843,794	8,925	8,457
18	8	98.722	31.777,531	496.725,341	15,631	15,163	68	58	73.049	1.008,878	8.740,898	8,664	8,195
19	9	98.637	29.812,563	464.947,809	15,596	15,127	69	59	70.978	920,456	7.732,019	8,400	7,931
20	10	98.552	27.968,664	435.135,246	15,558	15,089	70	60	68.799	837,740	6.811,564	8,131	7,662
21	11	98.468	26.239,484	407.166,582	15,517	15,049	71	61	66.469	759,972	5.973,824	7,861	7,392
22	12	98.382	24.616,386	380.927,098	15,475	15,006	72	62	64.014	687,228	5.213,852	7,587	7,118
23	13	98.299	23.094,589	356.310,712	15,428	14,960	73	63	61.371	618,649	4.526,624	7,317	6,848
24	14	98.217	21.666,887	333.216,123	15,379	14,910	74	64	58.590	554,564	3.907,975	7,047	6,578
25	15	98.134	20.327,365	311.549,236	15,327	14,858	75	65	55.692	494,964	3.353,411	6,775	6,306
26	16	98.045	19.069,358	291.221,872	15,272	14,803	76	66	52.683	439,646	2.858,447	6,502	6,033
27	17	97.954	17.888,906	272.152,514	15,213	14,745	77	67	49.602	388,667	2.418,801	6,223	5,755
28	18	97.863	16.781,389	254.263,608	15,152	14,683	78	68	46.410	341,464	2.030,134	5,945	5,477
29	19	97.763	15.741,063	237.482,218	15,087	14,618	79	69	43.094	297,716	1.688,670	5,672	5,203
30	20	97.667	14.765,851	221.741,155	15,017	14,548	80	70	39.711	257,601	1.390,954	5,400	4,931
31	21	97.565	13.850,144	206.975,305	14,944	14,475	81	71	36.238	220,720	1.133,354	5,135	4,666
32	22	97.464	12.991,381	193.125,161	14,866	14,397	82	72	32.723	187,149	912,634	4,877	4,408
33	23	97.357	12.185,186	180.133,780	14,783	14,314	83	73	29.117	156,361	725,485	4,640	4,171
34	24	97.247	11.428,470	167.948,595	14,696	14,227	84	74	25.617	129,172	569,124	4,406	3,937
35	25	97.127	10.717,796	156.520,125	14,604	14,135	85	75	22.274	105,458	439,952	4,172	3,703
36	26	97.002	10.050,653	145.802,329	14,507	14,038	86	76	19.175	85,246	334,495	3,924	3,455
37	27	96.865	9.423,941	135.751,676	14,405	13,936	87	77	16.154	67,430	249,249	3,696	3,228
38	28	96.720	8.835,504	126.327,735	14,298	13,829	88	78	13.281	52,056	181,819	3,493	3,024
39	29	96.558	8.282,357	117.492,231	14,186	13,717	89	79	10.672	39,277	129,763	3,304	2,835
40	30	96.381	7.762,602	109.209,873	14,069	13,600	90	80	8.385	28,977	90,486	3,123	2,654
41	31	96.184	7.273,893	101.447,271	13,947	13,478	91	81	6.429	20,861	61,509	2,948	2,480
42	32	95.967	6.814,537	94.173,378	13,819	13,351	92	82	4.780	14,562	40,648	2,791	2,323
43	33	95.721	6.382,243	87.358,841	13,688	13,219	93	83	3.443	9,849	26,086	2,649	2,180
44	34	95.446	5.975,493	80.976,598	13,551	13,083	94	84	2.405	6,459	16,237	2,514	2,045
45	35	95.145	5.593,115	75.001,105	13,410	12,941	95	85	1.623	4,094	9,778	2,388	1,919
46	36	94.804	5.232,911	69.407,990	13,264	12,795	96	86	1.061	2,512	5,683	2,263	1,794
47	37	94.428	4.894,085	64.175,078	13,113	12,644	97	87	664	1,477	3,172	2,147	1,679
48	38	94.017	4.575,354	59.280,994	12,957	12,488	98	88	397	0,828	1,695	2,046	1,577
49	39	93.568	4.275,575	54.705,640	12,795	12,326	99	89	227	0,444	0,866	1,950	1,482
							100	90	123	0,227	0,422	1,863	1,395

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 11 Jahre

Zinsfuß 6,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	39	93.148	3.996,606	50.582,916	12,656	12,188
1							51	40	92.612	3.731,097	46.586,311	12,486	12,017
2							52	41	92.052	3.482,195	42.855,213	12,307	11,838
3							53	42	91.422	3.247,278	39.373,018	12,125	11,656
4							54	43	90.745	3.026,514	36.125,740	11,936	11,468
5							55	44	90.012	2.818,838	33.099,226	11,742	11,273
6							56	45	89.213	2.623,327	30.280,388	11,543	11,074
7							57	46	88.374	2.440,051	27.657,061	11,335	10,866
8							58	47	87.452	2.267,224	25.217,010	11,122	10,654
9							59	48	86.451	2.104,461	22.949,786	10,905	10,437
10							60	49	85.360	1.951,104	20.845,325	10,684	10,215
11	0	99.384	49.713,137	786.170,356	15,814	15,345	61	50	84.196	1.807,037	18.894,222	10,456	9,987
12	1	98.992	46.495,046	736.457,219	15,839	15,371	62	51	82.975	1.672,133	17.087,184	10,219	9,750
13	2	98.944	43.635,986	689.962,173	15,812	15,343	63	52	81.630	1.544,628	15.415,051	9,980	9,511
14	3	98.912	40.959,344	646.326,187	15,780	15,311	64	53	80.207	1.425,074	13.870,423	9,733	9,264
15	4	98.876	38.445,783	605.366,843	15,746	15,277	65	54	78.692	1.312,822	12.445,349	9,480	9,011
16	5	98.840	36.086,150	566.921,061	15,710	15,241	66	55	77.045	1.206,896	11.132,527	9,224	8,755
17	6	98.790	33.866,303	530.834,911	15,674	15,206	67	56	75.285	1.107,342	9.925,631	8,963	8,495
18	7	98.730	31.780,299	496.968,608	15,638	15,169	68	57	73.376	1.013,401	8.818,289	8,702	8,233
19	8	98.647	29.815,425	465.188,309	15,602	15,134	69	58	71.322	924,910	7.804,887	8,439	7,970
20	9	98.558	27.970,471	435.372,884	15,565	15,097	70	59	69.151	842,021	6.879,978	8,171	7,702
21	10	98.477	26.241,691	407.402,412	15,525	15,056	71	60	66.837	764,178	6.037,957	7,901	7,433
22	11	98.391	24.618,695	381.160,722	15,483	15,014	72	61	64.376	691,117	5.273,779	7,631	7,162
23	12	98.308	23.096,550	356.542,027	15,437	14,968	73	62	61.760	622,567	4.582,662	7,361	6,892
24	13	98.227	21.668,987	333.445,477	15,388	14,919	74	63	58.991	558,362	3.960,095	7,092	6,624
25	14	98.146	20.329,733	311.776,490	15,336	14,867	75	64	56.102	498,610	3.401,733	6,822	6,354
26	15	98.063	19.072,766	291.446,757	15,281	14,815	76	65	53.117	443,266	2.903,123	6,549	6,081
27	16	97.975	17.892,695	272.373,991	15,223	14,754	77	66	50.055	392,220	2.459,857	6,272	5,803
28	17	97.884	16.785,083	254.481,295	15,161	14,692	78	67	46.887	344,970	2.067,637	5,994	5,525
29	18	97.791	15.745,591	237.696,213	15,096	14,627	79	68	43.593	301,160	1.722,667	5,720	5,251
30	19	97.694	14.769,945	221.950,622	15,027	14,558	80	69	40.225	260,930	1.421,507	5,448	4,979
31	20	97.595	13.854,520	207.180,677	14,954	14,485	81	70	36.760	223,902	1.160,577	5,183	4,715
32	21	97.488	12.994,560	193.326,157	14,877	14,409	82	71	33.262	190,233	936,675	4,924	4,455
33	22	97.384	12.188,486	180.331,597	14,795	14,327	83	72	29.652	159,232	746,442	4,688	4,219
34	23	97.272	11.431,452	168.143,111	14,709	14,240	84	73	26.150	131,858	587,210	4,453	3,985
35	24	97.154	10.720,709	156.711,659	14,618	14,149	85	74	22.793	107,914	455,352	4,220	3,751
36	25	97.026	10.053,127	145.990,950	14,522	14,053	86	75	19.686	87,515	347,438	3,970	3,501
37	26	96.892	9.426,580	135.937,824	14,421	13,952	87	76	16.635	69,440	259,923	3,743	3,274
38	27	96.748	8.838,080	126.511,244	14,314	13,846	88	77	13.728	53,806	190,483	3,540	3,071
39	28	96.587	8.284,816	117.673,164	14,203	13,735	89	78	11.083	40,789	136,677	3,351	2,882
40	29	96.409	7.764,875	109.388,347	14,088	13,619	90	79	8.753	30,249	95,888	3,170	2,701
41	30	96.215	7.276,275	101.623,473	13,966	13,498	91	80	6.758	21,930	65,639	2,993	2,524
42	31	96.001	6.816,972	94.347,197	13,840	13,371	92	81	5.062	15,422	43,709	2,834	2,366
43	32	95.755	6.384,514	87.530,225	13,710	13,241	93	82	3.681	10,530	28,288	2,686	2,218
44	33	95.484	5.977,882	81.145,712	13,574	13,106	94	83	2.590	6,958	17,758	2,552	2,084
45	34	95.190	5.595,739	75.167,830	13,433	12,964	95	84	1.765	4,452	10,800	2,426	1,957
46	35	94.852	5.235,592	69.572,091	13,288	12,820	96	85	1.161	2,751	6,348	2,308	1,839
47	36	94.482	4.896,854	64.336,500	13,138	12,670	97	86	739	1,643	3,598	2,190	1,721
48	37	94.075	4.578,161	59.439,646	12,983	12,515	98	87	450	0,939	1,955	2,082	1,613
49	38	93.633	4.278,568	54.861,485	12,822	12,354	99	88	261	0,511	1,016	1,986	1,518
							100	89	144	0,266	0,504	1,897	1,428

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 12 Jahre

Zinsfuß 6,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	38	93.213	3.999,403	50.722,752	12,683	12,214
1							51	39	92.686	3.734,086	46.723,348	12,513	12,044
2							52	40	92.132	3.485,227	42.989,263	12,335	11,866
3							53	41	91.512	3.250,491	39.504,035	12,153	11,685
4							54	42	90.847	3.029,922	36.253,544	11,965	11,496
5							55	43	90.129	2.822,501	33.223,622	11,771	11,302
6							56	44	89.338	2.626,984	30.401,121	11,573	11,104
7							57	45	88.515	2.443,927	27.774,137	11,365	10,896
8							58	46	87.610	2.271,303	25.330,210	11,152	10,684
9							59	47	86.619	2.108,561	23.058,907	10,936	10,467
10							60	48	85.542	1.955,249	20.950,346	10,715	10,246
11							61	49	84.399	1.811,397	18.995,097	10,486	10,018
12	0	99.370	46.672,258	736.898,590	15,789	15,320	62	50	83.185	1.676,369	17.183,700	10,251	9,782
13	1	98.980	43.651,619	690.226,332	15,812	15,343	63	51	81.857	1.548,930	15.507,331	10,012	9,543
14	2	98.931	40.967,444	646.574,713	15,783	15,314	64	52	80.450	1.429,396	13.958,401	9,765	9,297
15	3	98.893	38.452,383	605.607,269	15,750	15,281	65	53	78.941	1.316,980	12.529,006	9,513	9,045
16	4	98.853	36.090,811	567.154,887	15,715	15,246	66	54	77.314	1.211,108	11.212,025	9,258	8,789
17	5	98.802	33.870,731	531.064,076	15,679	15,210	67	55	75.571	1.111,552	10.000,917	8,997	8,529
18	6	98.740	31.783,228	497.193,345	15,643	15,175	68	56	73.672	1.017,486	8.889,365	8,737	8,268
19	7	98.656	29.818,022	465.410,117	15,608	15,140	69	57	71.642	929,056	7.871,879	8,473	8,004
20	8	98.567	27.973,157	435.592,095	15,572	15,103	70	58	69.485	846,095	6.942,823	8,206	7,737
21	9	98.483	26.243,386	407.618,939	15,532	15,064	71	59	67.178	768,083	6.096,728	7,938	7,469
22	10	98.400	24.620,765	381.375,552	15,490	15,021	72	60	64.732	694,942	5.328,645	7,668	7,199
23	11	98.317	23.098,716	356.754,787	15,445	14,976	73	61	62.110	626,090	4.633,703	7,401	6,932
24	12	98.235	21.670,827	333.656,071	15,397	14,928	74	62	59.365	561,898	4.007,613	7,132	6,664
25	13	98.155	20.331,703	311.985,244	15,345	14,876	75	63	56.487	502,024	3.445,715	6,864	6,395
26	14	98.074	19.074,989	291.653,540	15,290	14,821	76	64	53.508	446,532	2.943,690	6,592	6,124
27	15	97.992	17.895,893	272.578,551	15,231	14,763	77	65	50.467	395,449	2.497,159	6,315	5,846
28	16	97.905	16.788,638	254.682,659	15,170	14,701	78	66	47.315	348,123	2.101,709	6,037	5,569
29	17	97.812	15.749,056	237.894,021	15,105	14,637	79	67	44.041	304,253	1.753,586	5,764	5,295
30	18	97.722	14.774,194	222.144,965	15,036	14,567	80	68	40.690	263,948	1.449,333	5,491	5,022
31	19	97.622	13.858,361	207.370,771	14,964	14,495	81	69	37.235	226,796	1.185,385	5,227	4,758
32	20	97.518	12.998,666	193.512,410	14,887	14,418	82	70	33.742	192,976	958,589	4,967	4,499
33	21	97.408	12.191,469	180.513,744	14,807	14,338	83	71	30.140	161,856	765,613	4,730	4,261
34	22	97.298	11.434,548	168.322,275	14,721	14,252	84	72	26.630	134,279	603,757	4,496	4,028
35	23	97.179	10.723,507	156.887,727	14,630	14,162	85	73	23.267	110,158	469,478	4,262	3,793
36	24	97.052	10.055,859	146.164,220	14,535	14,066	86	74	20.144	89,553	359,320	4,012	3,544
37	25	96.916	9.428,900	136.108,362	14,435	13,966	87	75	17.078	71,288	269,767	3,784	3,315
38	26	96.775	8.840,555	126.679,462	14,329	13,861	88	76	14.137	55,410	198,479	3,582	3,113
39	27	96.615	8.287,231	117.838,907	14,219	13,751	89	77	11.456	42,161	143,068	3,393	2,925
40	28	96.438	7.767,180	109.551,675	14,104	13,636	90	78	9.090	31,414	100,908	3,212	2,743
41	29	96.243	7.278,406	101.784,495	13,984	13,516	91	79	7.055	22,893	69,494	3,036	2,567
42	30	96.032	6.819,205	94.506,089	13,859	13,390	92	80	5.321	16,211	46,602	2,875	2,406
43	31	95.789	6.386,795	87.686,884	13,729	13,261	93	81	3.898	11,151	30,390	2,725	2,257
44	32	95.518	5.980,008	81.300,089	13,595	13,127	94	82	2.769	7,438	19,239	2,586	2,118
45	33	95.228	5.597,976	75.320,081	13,455	12,986	95	83	1.901	4,796	11,801	2,461	1,992
46	34	94.897	5.238,047	69.722,106	13,311	12,842	96	84	1.263	2,991	7,005	2,342	1,873
47	35	94.530	4.899,362	64.484,059	13,162	12,693	97	85	809	1,799	4,014	2,231	1,763
48	36	94.128	4.580,751	59.584,696	13,008	12,539	98	86	500	1,044	2,215	2,121	1,652
49	37	93.691	4.281,193	55.003,945	12,848	12,379	99	87	296	0,580	1,171	2,019	1,551
							100	88	166	0,306	0,591	1,930	1,461

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 13 Jahre

Zinsfuß 6,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	37	93.270	4.001,857	50.850,557	12,707	12,238
1							51	38	92.751	3.736,699	46.848,700	12,537	12,069
2							52	39	92.206	3.488,019	43.112,000	12,360	11,891
3							53	40	91.592	3.253,321	39.623,981	12,180	11,711
4							54	41	90.937	3.032,920	36.370,660	11,992	11,523
5							55	42	90.230	2.825,679	33.337,740	11,798	11,329
6							56	43	89.454	2.630,398	30.512,061	11,600	11,131
7							57	44	88.638	2.447,334	27.881,663	11,393	10,924
8							58	45	87.749	2.274,911	25.434,329	11,180	10,712
9							59	46	86.775	2.112,355	23.159,417	10,964	10,495
10							60	47	85.709	1.959,059	21.047,063	10,743	10,275
11							61	48	84.579	1.815,245	19.088,004	10,515	10,047
12							62	49	83.386	1.680,413	17.272,759	10,279	9,810
13	0	99.357	43.817,993	690.634,669	15,761	15,293	63	50	82.065	1.552,853	15.592,346	10,041	9,572
14	1	98.967	40.982,121	646.816,675	15,783	15,314	64	51	80.674	1.433,377	14.039,493	9,795	9,326
15	2	98.913	38.459,987	605.834,554	15,752	15,284	65	52	79.181	1.320,974	12.606,116	9,543	9,074
16	3	98.870	36.097,007	567.374,567	15,718	15,249	66	53	77.559	1.214,945	11.285,142	9,289	8,820
17	4	98.815	33.875,106	531.277,560	15,683	15,215	67	54	75.834	1.115,431	10.070,198	9,028	8,559
18	5	98.752	31.787,383	497.402,454	15,648	15,179	68	55	73.952	1.021,354	8.954,766	8,768	8,299
19	6	98.665	29.820,770	465.615,071	15,614	15,145	69	56	71.930	932,801	7.933,412	8,505	8,036
20	7	98.576	27.975,593	435.794,301	15,578	15,109	70	57	69.797	849,888	7.000,611	8,237	7,768
21	8	98.493	26.245,906	407.818,709	15,538	15,070	71	58	67.504	771,799	6.150,723	7,969	7,501
22	9	98.406	24.622,356	381.572,803	15,497	15,028	72	59	65.063	698,493	5.378,924	7,701	7,232
23	10	98.325	23.100,659	356.950,447	15,452	14,983	73	60	62.453	629,555	4.680,430	7,435	6,966
24	11	98.244	21.672,860	333.849,788	15,404	14,935	74	61	59.701	565,078	4.050,875	7,169	6,700
25	12	98.164	20.333,430	312.176,928	15,353	14,884	75	62	56.844	505,204	3.485,797	6,900	6,431
26	13	98.084	19.076,837	291.843,498	15,298	14,830	76	63	53.875	449,590	2.980,594	6,630	6,161
27	14	98.004	17.897,978	272.766,661	15,240	14,771	77	64	50.839	398,363	2.531,004	6,354	5,885
28	15	97.922	16.791,638	254.868,682	15,178	14,710	78	65	47.705	350,990	2.132,641	6,076	5,607
29	16	97.833	15.752,392	238.077,044	15,114	14,645	79	66	44.443	307,034	1.781,652	5,803	5,334
30	17	97.743	14.777,445	222.324,652	15,045	14,576	80	67	41.108	266,659	1.474,618	5,530	5,061
31	18	97.651	13.862,348	207.547,207	14,972	14,503	81	68	37.666	229,420	1.207,959	5,265	4,797
32	19	97.545	13.002,270	193.684,859	14,896	14,427	82	69	34.178	195,469	978,539	5,006	4,537
33	20	97.438	12.195,321	180.682,589	14,816	14,347	83	70	30.575	164,190	783,069	4,769	4,301
34	21	97.322	11.437,347	168.487,268	14,731	14,263	84	71	27.069	136,492	618,880	4,534	4,065
35	22	97.205	10.726,411	157.049,922	14,641	14,173	85	72	23.694	112,181	482,388	4,300	3,831
36	23	97.077	10.058,483	146.323,511	14,547	14,079	86	73	20.563	91,415	370,207	4,050	3,581
37	24	96.943	9.431,462	136.265,028	14,448	13,979	87	74	17.476	72,949	278,792	3,822	3,353
38	25	96.799	8.842,731	126.833,566	14,343	13,875	88	75	14.513	56,885	205,843	3,619	3,150
39	26	96.642	8.289,552	117.990,835	14,234	13,765	89	76	11.797	43,418	148,958	3,431	2,962
40	27	96.466	7.769,445	109.701,283	14,120	13,651	90	77	9.396	32,470	105,540	3,250	2,782
41	28	96.272	7.280,567	101.931,838	14,001	13,532	91	78	7.327	23,774	73,070	3,074	2,605
42	29	96.060	6.821,201	94.651,271	13,876	13,407	92	79	5.555	16,923	49,297	2,913	2,444
43	30	95.820	6.388,887	87.830,070	13,747	13,279	93	80	4.098	11,722	32,373	2,762	2,293
44	31	95.552	5.982,145	81.441,183	13,614	13,145	94	81	2.933	7,877	20,651	2,622	2,153
45	32	95.262	5.599,967	75.459,038	13,475	13,006	95	82	2.033	5,127	12,774	2,491	2,023
46	33	94.935	5.240,141	69.859,071	13,332	12,863	96	83	1.360	3,222	7,647	2,373	1,905
47	34	94.575	4.901,660	64.618,930	13,183	12,714	97	84	880	1,956	4,425	2,262	1,793
48	35	94.176	4.583,098	59.717,270	13,030	12,561	98	85	548	1,144	2,469	2,159	1,690
49	36	93.744	4.283,616	55.134,173	12,871	12,402	99	86	329	0,645	1,325	2,055	1,587
							100	87	189	0,347	0,680	1,960	1,491

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 14 Jahre

Zinsfuß 6,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	36	93.323	4.004,121	50.967,374	12,729	12,260
1							51	37	92.808	3.738,992	46.963,252	12,560	12,092
2							52	38	92.270	3.490,460	43.224,260	12,384	11,915
3							53	39	91.665	3.255,927	39.733,800	12,204	11,735
4							54	40	91.016	3.035,561	36.477,873	12,017	11,548
5							55	41	90.319	2.828,475	33.442,312	11,823	11,355
6							56	42	89.555	2.633,360	30.613,837	11,625	11,157
7							57	43	88.753	2.450,515	27.980,477	11,418	10,949
8							58	44	87.871	2.278,082	25.529,962	11,207	10,738
9							59	45	86.913	2.115,710	23.251,880	10,990	10,521
10							60	46	85.863	1.962,583	21.136,170	10,770	10,301
11							61	47	84.744	1.818,782	19.173,586	10,542	10,073
12							62	48	83.563	1.683,983	17.354,804	10,306	9,837
13							63	49	82.263	1.556,599	15.670,821	10,067	9,599
14	0	99.344	41.138,321	647.194,498	15,732	15,263	64	50	80.879	1.437,007	14.114,222	9,822	9,353
15	1	98.948	38.473,766	606.056,177	15,752	15,284	65	51	79.401	1.324,653	12.677,214	9,570	9,101
16	2	98.890	36.104,145	567.582,411	15,721	15,252	66	52	77.794	1.218,629	11.352,561	9,316	8,847
17	3	98.832	33.880,921	531.478,266	15,687	15,218	67	53	76.075	1.118,964	10.133,933	9,057	8,588
18	4	98.765	31.791,489	497.597,345	15,652	15,183	68	54	74.210	1.024,919	9.014,968	8,796	8,327
19	5	98.678	29.824,669	465.805,856	15,618	15,149	69	55	72.204	936,347	7.990,049	8,533	8,064
20	6	98.585	27.978,171	435.981,187	15,583	15,114	70	56	70.078	853,314	7.053,702	8,266	7,798
21	7	98.501	26.248,192	408.003,016	15,544	15,075	71	57	67.806	775,259	6.200,388	7,998	7,529
22	8	98.415	24.624,720	381.754,824	15,503	15,034	72	58	65.378	701,873	5.425,129	7,730	7,261
23	9	98.332	23.102,152	357.130,104	15,459	14,990	73	59	62.772	632,772	4.723,256	7,464	6,996
24	10	98.252	21.674,682	334.027,952	15,411	14,942	74	60	60.031	568,205	4.090,483	7,199	6,730
25	11	98.173	20.335,337	312.353,270	15,360	14,891	75	61	57.166	508,063	3.522,278	6,933	6,464
26	12	98.092	19.078,457	292.017,933	15,306	14,837	76	62	54.216	452,437	3.014,216	6,662	6,193
27	13	98.013	17.899,713	272.939,476	15,248	14,780	77	63	51.187	401,091	2.561,779	6,387	5,918
28	14	97.934	16.793,595	255.039,763	15,187	14,718	78	64	48.056	353,575	2.160,688	6,111	5,642
29	15	97.850	15.755,207	238.246,168	15,122	14,653	79	65	44.809	309,562	1.807,112	5,838	5,369
30	16	97.764	14.780,575	222.490,961	15,053	14,584	80	66	41.484	269,096	1.497,550	5,565	5,096
31	17	97.672	13.865,399	207.710,385	14,980	14,512	81	67	38.053	231,776	1.228,454	5,300	4,831
32	18	97.573	13.006,010	193.844,987	14,904	14,436	82	68	34.573	197,731	996,678	5,041	4,572
33	19	97.465	12.198,702	180.838,976	14,824	14,356	83	69	30.970	166,312	798,947	4,804	4,335
34	20	97.353	11.440,960	168.640,274	14,740	14,271	84	70	27.459	138,460	632,636	4,569	4,100
35	21	97.229	10.729,036	157.199,314	14,652	14,183	85	71	24.084	114,030	494,176	4,334	3,865
36	22	97.104	10.061,207	146.470,278	14,558	14,089	86	72	20.940	93,094	380,146	4,083	3,615
37	23	96.968	9.433,924	136.409,071	14,459	13,991	87	73	17.839	74,466	287,053	3,855	3,386
38	24	96.825	8.845,134	126.975,148	14,355	13,887	88	74	14.851	58,210	212,587	3,652	3,183
39	25	96.666	8.291,592	118.130,014	14,247	13,778	89	75	12.111	44,573	154,377	3,463	2,995
40	26	96.493	7.771,620	109.838,421	14,133	13,665	90	76	9.676	33,438	109,804	3,284	2,815
41	27	96.300	7.282,689	102.066,801	14,015	13,546	91	77	7.573	24,573	76,366	3,108	2,639
42	28	96.089	6.823,226	94.784,112	13,891	13,423	92	78	5.768	17,575	51,793	2,947	2,478
43	29	95.849	6.390,757	87.960,885	13,764	13,295	93	79	4.277	12,237	34,218	2,796	2,328
44	30	95.583	5.984,104	81.570,128	13,631	13,162	94	80	3.083	8,281	21,981	2,654	2,186
45	31	95.296	5.601,968	75.586,023	13,493	13,024	95	81	2.153	5,430	13,700	2,523	2,054
46	32	94.968	5.242,005	69.984,055	13,351	12,882	96	82	1.454	3,444	8,270	2,401	1,932
47	33	94.612	4.903,619	64.742,050	13,203	12,734	97	83	947	2,107	4,826	2,291	1,822
48	34	94.220	4.585,247	59.838,431	13,050	12,581	98	84	596	1,244	2,719	2,186	1,718
49	35	93.792	4.285,810	55.253,184	12,892	12,423	99	85	360	0,706	1,475	2,090	1,621
							100	86	210	0,386	0,769	1,993	1,524

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 15 Jahre

Zinsfuß 6,50%

Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	35	93.371	4.006,172	51.074,118	12,749	12,280
1							51	36	92.860	3.741,108	47.067,946	12,581	12,113
2							52	37	92.327	3.492,602	43.326,838	12,405	11,937
3							53	38	91.729	3.258,206	39.834,236	12,226	11,757
4							54	39	91.089	3.037,992	36.576,030	12,040	11,571
5							55	40	90.398	2.830,938	33.538,038	11,847	11,378
6							56	41	89.643	2.635,965	30.707,100	11,649	11,181
7							57	42	88.853	2.453,274	28.071,135	11,442	10,974
8							58	43	87.985	2.281,043	25.617,861	11,231	10,762
9							59	44	87.034	2.118,659	23.336,817	11,015	10,546
10							60	45	85.999	1.965,701	21.218,158	10,794	10,325
11							61	46	84.896	1.822,054	19.252,457	10,566	10,098
12							62	47	83.726	1.687,264	17.430,403	10,331	9,862
13							63	48	82.437	1.559,906	15.743,138	10,092	9,624
14							64	49	81.074	1.440,474	14.183,232	9,846	9,377
15	0	99.326	38.620,405	606.405,806	15,702	15,233	65	50	79.602	1.328,008	12.742,758	9,595	9,127
16	1	98.925	36.117,080	567.785,401	15,721	15,252	66	51	78.011	1.222,023	11.414,750	9,341	8,872
17	2	98.852	33.887,621	531.668,321	15,689	15,220	67	52	76.305	1.122,358	10.192,727	9,082	8,613
18	3	98.782	31.796,947	497.780,700	15,655	15,186	68	53	74.445	1.028,165	9.070,369	8,822	8,353
19	4	98.690	29.828,521	465.983,753	15,622	15,153	69	54	72.456	939,615	8.042,204	8,559	8,090
20	5	98.598	27.981,829	436.155,232	15,587	15,118	70	55	70.344	856,558	7.102,589	8,292	7,823
21	6	98.510	26.250,611	408.173,403	15,549	15,080	71	56	68.079	778,384	6.246,031	8,024	7,556
22	7	98.424	24.626,865	381.922,792	15,508	15,040	72	57	65.671	705,020	5.467,647	7,755	7,287
23	8	98.341	23.104,370	357.295,928	15,464	14,996	73	58	63.076	635,834	4.762,627	7,490	7,022
24	9	98.259	21.676,083	334.191,558	15,418	14,949	74	59	60.338	571,109	4.126,793	7,226	6,757
25	10	98.181	20.337,047	312.515,475	15,367	14,898	75	60	57.482	510,875	3.555,684	6,960	6,491
26	11	98.101	19.080,247	292.178,428	15,313	14,844	76	61	54.523	454,997	3.044,810	6,692	6,223
27	12	98.022	17.901,233	273.098,181	15,256	14,787	77	62	51.511	403,631	2.589,812	6,416	5,948
28	13	97.943	16.795,222	255.196,948	15,195	14,726	78	63	48.386	355,997	2.186,181	6,141	5,672
29	14	97.862	15.757,043	238.401,726	15,130	14,661	79	64	45.139	311,843	1.830,185	5,869	5,400
30	15	97.782	14.783,217	222.644,682	15,061	14,592	80	65	41.825	271,312	1.518,342	5,596	5,128
31	16	97.693	13.868,335	207.861,466	14,988	14,519	81	66	38.401	233,894	1.247,030	5,332	4,863
32	17	97.595	13.008,873	193.993,130	14,912	14,444	82	67	34.928	199,762	1.013,136	5,072	4,603
33	18	97.493	12.202,211	180.984,258	14,832	14,363	83	68	31.328	168,236	813,374	4,835	4,366
34	19	97.380	11.444,133	168.782,046	14,748	14,280	84	69	27.814	140,249	645,139	4,600	4,131
35	20	97.260	10.732,426	157.337,913	14,660	14,191	85	70	24.432	115,674	504,890	4,365	3,896
36	21	97.128	10.063,669	146.605,488	14,568	14,099	86	71	21.286	94,628	389,216	4,113	3,644
37	22	96.994	9.436,478	136.541,819	14,470	14,001	87	72	18.167	75,833	294,588	3,885	3,416
38	23	96.851	8.847,442	127.105,340	14,366	13,898	88	73	15.160	59,421	218,755	3,681	3,213
39	24	96.692	8.293,846	118.257,898	14,259	13,790	89	74	12.393	45,612	159,334	3,493	3,025
40	25	96.517	7.773,533	109.964,052	14,146	13,677	90	75	9.934	34,328	113,723	3,313	2,844
41	26	96.327	7.284,729	102.190,519	14,028	13,559	91	76	7.799	25,306	79,395	3,137	2,669
42	27	96.117	6.825,216	94.905,790	13,905	13,436	92	77	5.962	18,166	54,089	2,978	2,509
43	28	95.877	6.392,655	88.080,575	13,778	13,310	93	78	4.442	12,708	35,924	2,827	2,358
44	29	95.611	5.985,856	81.687,920	13,647	13,178	94	79	3.218	8,644	23,216	2,686	2,217
45	30	95.327	5.603,803	75.702,063	13,509	13,040	95	80	2.263	5,708	14,571	2,553	2,084
46	31	95.002	5.243,878	70.098,261	13,368	12,899	96	81	1.540	3,648	8,863	2,430	1,961
47	32	94.646	4.905,364	64.854,382	13,221	12,752	97	82	1.013	2,252	5,216	2,316	1,847
48	33	94.258	4.587,080	59.949,019	13,069	12,600	98	83	642	1,340	2,963	2,212	1,743
49	34	93.836	4.287,820	55.361,938	12,911	12,443	99	84	392	0,768	1,624	2,115	1,646
							100	85	230	0,423	0,856	2,024	1,555

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 16 Jahre

Zinsfuß 6,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	34	93.414	4.008,051	51.171,655	12,767	12,298
1							51	35	92.908	3.743,024	47.163,604	12,600	12,132
2							52	36	92.379	3.494,578	43.420,580	12,425	11,956
3							53	37	91.786	3.260,205	39.926,001	12,246	11,778
4							54	38	91.153	3.040,119	36.665,796	12,061	11,592
5							55	39	90.470	2.833,205	33.625,678	11,868	11,400
6							56	40	89.721	2.638,260	30.792,472	11,672	11,203
7							57	41	88.941	2.455,702	28.154,212	11,465	10,996
8							58	42	88.085	2.283,612	25.698,510	11,253	10,785
9							59	43	87.147	2.121,413	23.414,899	11,037	10,569
10							60	44	86.119	1.968,441	21.293,486	10,817	10,349
11							61	45	85.031	1.824,949	19.325,045	10,589	10,121
12							62	46	83.876	1.690,300	17.500,096	10,353	9,885
13							63	47	82.598	1.562,946	15.809,796	10,115	9,647
14							64	48	81.246	1.443,534	14.246,850	9,869	9,401
15							65	49	79.794	1.331,212	12.803,316	9,618	9,149
16	0	99.302	36.254,737	568.108,979	15,670	15,201	66	50	78.208	1.225,118	11.472,104	9,364	8,895
17	1	98.887	33.899,762	531.854,242	15,689	15,220	67	51	76.518	1.125,483	10.246,986	9,105	8,636
18	2	98.802	31.803,235	497.954,480	15,657	15,189	68	52	74.671	1.031,283	9.121,502	8,845	8,376
19	3	98.707	29.833,642	466.151,245	15,625	15,156	69	53	72.685	942,591	8.090,219	8,583	8,114
20	4	98.611	27.985,443	436.317,603	15,591	15,122	70	54	70.590	859,548	7.147,628	8,316	7,847
21	5	98.523	26.254,043	408.332,159	15,553	15,084	71	55	68.338	781,343	6.288,080	8,048	7,579
22	6	98.433	24.629,134	382.078,117	15,513	15,045	72	56	65.936	707,861	5.506,737	7,779	7,311
23	7	98.350	23.106,382	357.448,983	15,470	15,001	73	57	63.359	638,685	4.798,876	7,514	7,045
24	8	98.268	21.678,164	334.342,601	15,423	14,954	74	58	60.630	573,872	4.160,191	7,249	6,781
25	9	98.187	20.338,362	312.664,437	15,373	14,904	75	59	57.776	513,485	3.586,319	6,984	6,516
26	10	98.109	19.081,851	292.326,075	15,320	14,851	76	60	54.825	457,516	3.072,833	6,716	6,248
27	11	98.031	17.902,912	273.244,224	15,263	14,794	77	61	51.803	405,915	2.615,318	6,443	5,974
28	12	97.952	16.796,649	255.341,312	15,202	14,733	78	62	48.692	358,251	2.209,403	6,167	5,698
29	13	97.871	15.758,570	238.544,663	15,137	14,669	79	63	45.448	313,978	1.851,152	5,896	5,427
30	14	97.793	14.784,940	222.786,093	15,068	14,600	80	64	42.133	273,311	1.537,173	5,624	5,156
31	15	97.710	13.870,814	208.001,154	14,996	14,527	81	65	38.717	235,820	1.263,863	5,359	4,891
32	16	97.616	13.011,628	194.130,340	14,920	14,451	82	66	35.248	201,587	1.028,043	5,100	4,631
33	17	97.515	12.204,897	181.118,712	14,840	14,371	83	67	31.650	169,964	826,455	4,863	4,394
34	18	97.408	11.447,425	168.913,815	14,756	14,287	84	68	28.136	141,872	656,492	4,627	4,159
35	19	97.287	10.735,402	157.466,390	14,668	14,199	85	69	24.747	117,169	514,620	4,392	3,923
36	20	97.158	10.066,849	146.730,988	14,576	14,107	86	70	21.592	95,992	397,451	4,140	3,672
37	21	97.018	9.438,788	136.664,139	14,479	14,010	87	71	18.466	77,083	301,459	3,911	3,442
38	22	96.877	8.849,838	127.225,352	14,376	13,907	88	72	15.438	60,512	224,377	3,708	3,239
39	23	96.717	8.296,010	118.375,513	14,269	13,800	89	73	12.651	46,560	163,865	3,519	3,051
40	24	96.543	7.775,646	110.079,503	14,157	13,688	90	74	10.165	35,127	117,305	3,339	2,871
41	25	96.351	7.286,522	102.303,858	14,040	13,571	91	75	8.006	25,979	82,178	3,163	2,694
42	26	96.144	6.827,127	95.017,336	13,918	13,449	92	76	6.140	18,707	56,198	3,004	2,535
43	27	95.905	6.394,519	88.190,209	13,792	13,323	93	77	4.591	13,135	37,491	2,854	2,386
44	28	95.640	5.987,634	81.795,690	13,661	13,192	94	78	3.342	8,977	24,356	2,713	2,244
45	29	95.355	5.605,443	75.808,057	13,524	13,055	95	79	2.362	5,959	15,379	2,581	2,112
46	30	95.034	5.245,596	70.202,613	13,383	12,914	96	80	1.619	3,835	9,420	2,457	1,988
47	31	94.680	4.907,116	64.957,018	13,237	12,769	97	81	1.073	2,385	5,586	2,342	1,873
48	32	94.291	4.588,712	60.049,901	13,086	12,618	98	82	686	1,432	3,200	2,235	1,766
49	33	93.873	4.289,534	55.461,189	12,929	12,461	99	83	422	0,827	1,768	2,138	1,669
							100	84	250	0,460	0,941	2,047	1,578

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 17 Jahre

Zinsfuß 6,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	33	93.452	4.009,654	51.260,656	12,784	12,316
1							51	34	92.951	3.744,780	47.251,002	12,618	12,149
2							52	35	92.427	3.496,368	43.506,222	12,443	11,975
3							53	36	91.837	3.262,050	40.009,854	12,265	11,797
4							54	37	91.209	3.041,984	36.747,804	12,080	11,611
5							55	38	90.534	2.835,189	33.705,821	11,888	11,420
6							56	39	89.793	2.640,373	30.870,632	11,692	11,223
7							57	40	89.019	2.457,840	28.230,258	11,486	11,017
8							58	41	88.172	2.285,871	25.772,419	11,275	10,806
9							59	42	87.245	2.123,802	23.486,547	11,059	10,590
10							60	43	86.231	1.971,000	21.362,746	10,839	10,370
11							61	44	85.149	1.827,493	19.391,746	10,611	10,142
12							62	45	84.010	1.692,985	17.564,254	10,375	9,906
13							63	46	82.747	1.565,758	15.871,269	10,136	9,668
14							64	47	81.404	1.446,347	14.305,511	9,891	9,422
15							65	48	79.964	1.334,040	12.859,164	9,639	9,171
16							66	49	78.397	1.228,074	11.525,124	9,385	8,916
17	0	99.264	34.028,968	532.153,732	15,638	15,170	67	50	76.712	1.128,334	10.297,050	9,126	8,657
18	1	98.837	31.814,629	498.124,764	15,657	15,188	68	51	74.879	1.034,155	9.168,716	8,866	8,397
19	2	98.727	29.839,542	466.310,135	15,627	15,159	69	52	72.906	945,450	8.134,560	8,604	8,135
20	3	98.628	27.990,248	436.470,593	15,594	15,125	70	53	70.813	862,270	7.189,111	8,337	7,869
21	4	98.536	26.257,434	408.480,346	15,557	15,088	71	54	68.577	784,070	6.326,841	8,069	7,600
22	5	98.446	24.632,354	382.222,912	15,517	15,048	72	55	66.186	710,552	5.542,770	7,801	7,332
23	6	98.359	23.108,511	357.590,558	15,474	15,006	73	56	63.614	641,259	4.832,218	7,536	7,067
24	7	98.277	21.680,052	334.482,046	15,428	14,959	74	57	60.902	576,445	4.190,959	7,270	6,802
25	8	98.197	20.340,314	312.801,994	15,378	14,910	75	58	58.056	515,970	3.614,514	7,005	6,537
26	9	98.116	19.083,084	292.461,680	15,326	14,857	76	59	55.105	459,853	3.098,544	6,738	6,269
27	10	98.039	17.904,417	273.378,596	15,269	14,800	77	60	52.090	408,162	2.638,691	6,465	5,996
28	11	97.961	16.798,224	255.474,178	15,208	14,740	78	61	48.967	360,279	2.230,529	6,191	5,722
29	12	97.880	15.759,909	238.675,954	15,145	14,676	79	62	45.736	315,966	1.870,250	5,919	5,450
30	13	97.802	14.786,372	222.916,046	15,076	14,607	80	63	42.422	275,182	1.554,284	5,648	5,179
31	14	97.722	13.872,430	208.129,674	15,003	14,534	81	64	39.002	237,557	1.279,101	5,384	4,916
32	15	97.633	13.013,953	194.257,243	14,927	14,458	82	65	35.538	203,247	1.041,544	5,125	4,656
33	16	97.536	12.207,482	181.243,290	14,847	14,378	83	66	31.939	171,517	838,297	4,888	4,419
34	17	97.429	11.449,944	169.035,808	14,763	14,294	84	67	28.425	143,329	666,780	4,652	4,183
35	18	97.315	10.738,490	157.585,864	14,675	14,206	85	68	25.034	118,524	523,451	4,416	3,948
36	19	97.185	10.069,640	146.847,374	14,583	14,114	86	69	21.872	97,233	404,927	4,165	3,696
37	20	97.049	9.441,770	136.777,734	14,486	14,018	87	70	18.732	78,194	307,694	3,935	3,466
38	21	96.901	8.852,004	127.335,964	14,385	13,916	88	71	15.693	61,509	229,500	3,731	3,262
39	22	96.743	8.298,257	118.483,959	14,278	13,809	89	72	12.883	47,415	167,991	3,543	3,074
40	23	96.568	7.777,675	110.185,703	14,167	13,698	90	73	10.376	35,858	120,576	3,363	2,894
41	24	96.377	7.288,502	102.408,028	14,051	13,582	91	74	8.193	26,584	84,719	3,187	2,718
42	25	96.168	6.828,807	95.119,526	13,929	13,460	92	75	6.303	19,205	58,134	3,027	2,558
43	26	95.932	6.396,309	88.290,719	13,803	13,335	93	76	4.728	13,527	38,929	2,878	2,409
44	27	95.668	5.989,379	81.894,409	13,673	13,205	94	77	3.454	9,279	25,402	2,738	2,269
45	28	95.383	5.607,108	75.905,030	13,537	13,069	95	78	2.453	6,188	16,123	2,606	2,137
46	29	95.061	5.247,132	70.297,922	13,397	12,929	96	79	1.690	4,003	9,935	2,482	2,013
47	30	94.711	4.908,724	65.050,791	13,252	12,783	97	80	1.128	2,508	5,932	2,366	1,897
48	31	94.325	4.590,352	60.142,067	13,102	12,633	98	81	726	1,517	3,425	2,258	1,789
49	32	93.906	4.291,060	55.551,716	12,946	12,477	99	82	451	0,884	1,908	2,158	1,689
							100	83	269	0,495	1,024	2,068	1,599

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 18 Jahre

Zinsfuß 6,50%

Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	32	93.485	4.011,080	51.341,819	12,800	12,331
1							51	33	92.989	3.746,277	47.330,739	12,634	12,165
2							52	34	92.470	3.498,008	43.584,463	12,460	11,991
3							53	35	91.884	3.263,721	40.086,455	12,282	11,814
4							54	36	91.260	3.043,705	36.822,734	12,098	11,629
5							55	37	90.589	2.836,928	33.779,029	11,907	11,438
6							56	38	89.856	2.642,222	30.942,101	11,711	11,242
7							57	39	89.090	2.459,808	28.299,879	11,505	11,036
8							58	40	88.248	2.287,862	25.840,071	11,294	10,826
9							59	41	87.331	2.125,903	23.552,209	11,079	10,610
10							60	42	86.328	1.973,219	21.426,306	10,859	10,390
11							61	43	85.260	1.829,868	19.453,087	10,631	10,162
12							62	44	84.127	1.695,345	17.623,219	10,395	9,926
13							63	45	82.878	1.568,245	15.927,875	10,156	9,688
14							64	46	81.551	1.448,949	14.359,630	9,910	9,442
15							65	47	80.120	1.336,640	12.910,680	9,659	9,190
16							66	48	78.563	1.230,683	11.574,041	9,405	8,936
17							67	49	76.897	1.131,056	10.343,358	9,145	8,676
18	0	99.214	31.935,888	498.401,984	15,606	15,138	68	50	75.069	1.036,775	9.212,302	8,886	8,417
19	1	98.762	29.850,232	466.466,096	15,627	15,158	69	51	73.109	948,083	8.175,527	8,623	8,154
20	2	98.647	27.995,783	436.615,864	15,596	15,127	70	52	71.028	864,885	7.227,444	8,357	7,888
21	3	98.553	26.261,942	408.620,081	15,559	15,091	71	53	68.794	786,554	6.362,559	8,089	7,620
22	4	98.459	24.635,536	382.358,139	15,521	15,052	72	54	66.417	713,032	5.576,005	7,820	7,351
23	5	98.372	23.111,533	357.722,603	15,478	15,009	73	55	63.856	643,697	4.862,973	7,555	7,086
24	6	98.286	21.682,050	334.611,071	15,433	14,964	74	56	61.147	578,768	4.219,276	7,290	6,821
25	7	98.205	20.342,086	312.929,021	15,383	14,915	75	57	58.316	518,283	3.640,508	7,024	6,555
26	8	98.125	19.084,916	292.586,935	15,331	14,862	76	58	55.371	462,079	3.122,225	6,757	6,288
27	9	98.046	17.905,574	273.502,019	15,275	14,806	77	59	52.356	410,247	2.660,146	6,484	6,016
28	10	97.969	16.799,637	255.596,444	15,214	14,746	78	60	49.239	362,273	2.249,899	6,211	5,742
29	11	97.889	15.761,387	238.796,808	15,151	14,682	79	61	45.995	317,755	1.887,626	5,941	5,472
30	12	97.811	14.787,628	223.035,421	15,083	14,614	80	62	42.690	276,925	1.569,872	5,669	5,200
31	13	97.731	13.873,775	208.247,793	15,010	14,541	81	63	39.269	239,184	1.292,946	5,406	4,937
32	14	97.644	13.015,470	194.374,018	14,934	14,465	82	64	35.800	204,744	1.053,762	5,147	4,678
33	15	97.553	12.209,663	181.358,548	14,854	14,385	83	65	32.202	172,929	849,018	4,910	4,441
34	16	97.450	11.452,369	169.148,885	14,770	14,301	84	66	28.685	144,639	676,088	4,674	4,206
35	17	97.336	10.740,853	157.696,515	14,682	14,213	85	67	25.291	119,741	531,450	4,438	3,970
36	18	97.213	10.072,537	146.955,662	14,590	14,121	86	68	22.125	98,358	411,708	4,186	3,717
37	19	97.075	9.444,388	136.883,125	14,494	14,025	87	69	18.974	79,205	313,351	3,956	3,487
38	20	96.931	8.854,801	127.438,737	14,392	13,923	88	70	15.919	62,396	234,146	3,753	3,284
39	21	96.767	8.300,288	118.583,936	14,287	13,818	89	71	13.096	48,196	171,750	3,564	3,095
40	22	96.594	7.779,781	110.283,648	14,176	13,707	90	72	10.567	36,516	123,554	3,384	2,915
41	23	96.402	7.290,404	102.503,867	14,060	13,591	91	73	8.363	27,137	87,038	3,207	2,739
42	24	96.194	6.830,663	95.213,463	13,939	13,470	92	74	6.450	19,652	59,901	3,048	2,579
43	25	95.955	6.397,884	88.382,800	13,814	13,346	93	75	4.854	13,887	40,248	2,898	2,430
44	26	95.694	5.991,056	81.984,917	13,685	13,216	94	76	3.557	9,556	26,362	2,759	2,290
45	27	95.411	5.608,742	75.993,860	13,549	13,080	95	77	2.536	6,396	16,806	2,628	2,159
46	28	95.090	5.248,689	70.385,118	13,410	12,941	96	78	1.755	4,157	10,410	2,504	2,035
47	29	94.739	4.910,161	65.136,429	13,266	12,797	97	79	1.177	2,618	6,253	2,389	1,920
48	30	94.356	4.591,855	60.226,268	13,116	12,647	98	80	764	1,594	3,635	2,280	1,811
49	31	93.940	4.292,593	55.634,413	12,961	12,492	99	81	478	0,936	2,041	2,179	1,711
							100	82	288	0,529	1,104	2,086	1,617

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 19 Jahre

Zinsfuß 6,50%

Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	31	93.518	4.012,513	51.415,955	12,814	12,345
1							51	32	93.022	3.747,609	47.403,442	12,649	12,180
2							52	33	92.507	3.499,406	43.655,833	12,475	12,006
3							53	34	91.928	3.265,251	40.156,426	12,298	11,829
4							54	35	91.307	3.045,264	36.891,175	12,114	11,646
5							55	36	90.641	2.838,533	33.845,911	11,924	11,455
6							56	37	89.911	2.643,843	31.007,377	11,728	11,259
7							57	38	89.152	2.461,530	28.363,534	11,523	11,054
8							58	39	88.319	2.289,694	25.902,004	11,312	10,844
9							59	40	87.407	2.127,754	23.612,310	11,097	10,629
10							60	41	86.413	1.975,171	21.484,556	10,877	10,409
11							61	42	85.356	1.831,928	19.509,385	10,650	10,181
12							62	43	84.236	1.697,548	17.677,457	10,414	9,945
13							63	44	82.994	1.570,431	15.979,908	10,175	9,707
14							64	45	81.680	1.451,251	14.409,477	9,929	9,460
15							65	46	80.264	1.339,044	12.958,226	9,677	9,208
16							66	47	78.716	1.233,081	11.619,182	9,423	8,954
17							67	48	77.060	1.133,459	10.386,101	9,163	8,694
18							68	49	75.250	1.039,276	9.252,642	8,903	8,434
19	0	99.139	29.964,004	466.722,708	15,576	15,107	69	50	73.294	950,484	8.213,366	8,641	8,173
20	1	98.683	28.005,813	436.758,705	15,595	15,127	70	51	71.226	867,294	7.262,882	8,374	7,905
21	2	98.572	26.267,135	408.752,892	15,561	15,093	71	52	69.003	788,939	6.395,588	8,107	7,638
22	3	98.475	24.639,765	382.485,757	15,523	15,054	72	53	66.628	715,291	5.606,649	7,838	7,370
23	4	98.384	23.114,518	357.845,992	15,481	15,013	73	54	64.079	645,944	4.891,358	7,572	7,104
24	5	98.299	21.684,885	334.731,474	15,436	14,967	74	55	61.380	580,969	4.245,415	7,307	6,839
25	6	98.215	20.343,960	313.046,589	15,388	14,919	75	56	58.551	520,372	3.664,446	7,042	6,573
26	7	98.134	19.086,579	292.702,629	15,336	14,867	76	57	55.620	464,150	3.144,074	6,774	6,305
27	8	98.055	17.907,293	273.616,050	15,280	14,811	77	58	52.609	412,232	2.679,924	6,501	6,032
28	9	97.975	16.800,722	255.708,757	15,220	14,751	78	59	49.490	364,124	2.267,691	6,228	5,759
29	10	97.897	15.762,712	238.908,034	15,157	14,688	79	60	46.250	319,513	1.903,568	5,958	5,489
30	11	97.820	14.789,015	223.145,322	15,089	14,620	80	61	42.932	278,492	1.584,054	5,688	5,219
31	12	97.739	13.874,953	208.356,307	15,017	14,548	81	62	39.518	240,699	1.305,562	5,424	4,955
32	13	97.654	13.016,731	194.481,354	14,941	14,472	82	63	36.045	206,147	1.064,863	5,166	4,697
33	14	97.564	12.211,086	181.464,623	14,861	14,392	83	64	32.439	174,203	858,716	4,929	4,461
34	15	97.467	11.454,416	169.253,537	14,776	14,308	84	65	28.921	145,830	684,513	4,694	4,225
35	16	97.357	10.743,128	157.799,121	14,688	14,220	85	66	25.522	120,836	538,684	4,458	3,989
36	17	97.234	10.074,754	147.055,993	14,596	14,128	86	67	22.352	99,368	417,848	4,205	3,736
37	18	97.103	9.447,105	136.981,239	14,500	14,031	87	68	19.194	80,121	318,480	3,975	3,506
38	19	96.958	8.857,256	127.534,134	14,399	13,930	88	69	16.125	63,202	238,359	3,771	3,303
39	20	96.798	8.302,910	118.676,877	14,293	13,825	89	70	13.285	48,891	175,157	3,583	3,114
40	21	96.618	7.781,685	110.373,967	14,184	13,715	90	71	10.741	37,118	126,266	3,402	2,933
41	22	96.428	7.292,378	102.592,282	14,068	13,600	91	72	8.517	27,635	89,148	3,226	2,757
42	23	96.219	6.832,446	95.299,904	13,948	13,479	92	73	6.584	20,061	61,513	3,066	2,598
43	24	95.981	6.399,622	88.467,458	13,824	13,355	93	74	4.967	14,210	41,451	2,917	2,448
44	25	95.718	5.992,531	82.067,836	13,695	13,226	94	75	3.652	9,810	27,241	2,777	2,308
45	26	95.438	5.610,313	76.075,305	13,560	13,091	95	76	2.611	6,587	17,431	2,646	2,178
46	27	95.117	5.250,220	70.464,992	13,421	12,953	96	77	1.814	4,297	10,844	2,524	2,055
47	28	94.767	4.911,619	65.214,773	13,278	12,809	97	78	1.222	2,718	6,548	2,409	1,940
48	29	94.384	4.593,200	60.303,154	13,129	12,660	98	79	797	1,664	3,829	2,301	1,832
49	30	93.971	4.293,999	55.709,954	12,974	12,505	99	80	502	0,984	2,165	2,199	1,730
							100	81	305	0,561	1,180	2,105	1,636

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 20 Jahre

Zinsfuß 6,50%

Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	30	93.549	4.013,827	51.483,667	12,827	12,358
1							51	31	93.055	3.748,948	47.469,839	12,662	12,193
2							52	32	92.540	3.500,651	43.720,891	12,489	12,021
3							53	33	91.964	3.266,557	40.220,240	12,313	11,844
4							54	34	91.350	3.046,692	36.953,683	12,129	11,660
5							55	35	90.687	2.839,987	33.906,991	11,939	11,470
6							56	36	89.962	2.645,339	31.067,004	11,744	11,275
7							57	37	89.207	2.463,041	28.421,665	11,539	11,071
8							58	38	88.381	2.291,297	25.958,624	11,329	10,860
9							59	39	87.477	2.129,458	23.667,327	11,114	10,646
10							60	40	86.489	1.976,891	21.537,869	10,895	10,426
11							61	41	85.441	1.833,741	19.560,978	10,667	10,199
12							62	42	84.331	1.699,460	17.727,237	10,431	9,962
13							63	43	83.101	1.572,472	16.027,778	10,193	9,724
14							64	44	81.794	1.453,274	14.455,306	9,947	9,478
15							65	45	80.391	1.341,172	13.002,032	9,695	9,226
16							66	46	78.858	1.235,299	11.660,860	9,440	8,971
17							67	47	77.210	1.135,668	10.425,561	9,180	8,711
18							68	48	75.409	1.041,484	9.289,893	8,920	8,451
19							69	49	73.471	952,777	8.248,409	8,657	8,188
20	0	99.059	28.112,555	436.996,269	15,545	15,076	70	50	71.406	869,491	7.295,632	8,391	7,922
21	1	98.608	26.276,546	408.883,714	15,561	15,092	71	51	69.195	791,136	6.426,141	8,123	7,654
22	2	98.495	24.644,638	382.607,168	15,525	15,056	72	52	66.830	717,460	5.635,005	7,854	7,385
23	3	98.401	23.118,486	357.962,531	15,484	15,015	73	53	64.282	647,990	4.917,545	7,589	7,120
24	4	98.311	21.687,686	334.844,044	15,439	14,971	74	54	61.594	582,996	4.269,556	7,323	6,855
25	5	98.227	20.346,620	313.156,359	15,391	14,922	75	55	58.774	522,350	3.686,559	7,058	6,589
26	6	98.143	19.088,338	292.809,739	15,340	14,871	76	56	55.844	466,021	3.164,209	6,790	6,321
27	7	98.063	17.908,853	273.721,401	15,284	14,815	77	57	52.845	414,080	2.698,188	6,516	6,047
28	8	97.985	16.802,335	255.812,548	15,225	14,756	78	58	49.730	365,886	2.284,108	6,243	5,774
29	9	97.903	15.763,731	239.010,213	15,162	14,693	79	59	46.486	321,146	1.918,222	5,973	5,504
30	10	97.828	14.790,259	223.246,482	15,094	14,625	80	60	43.170	280,034	1.597,076	5,703	5,234
31	11	97.748	13.876,254	208.456,223	15,023	14,554	81	61	39.741	242,061	1.317,042	5,441	4,972
32	12	97.662	13.017,837	194.579,969	14,947	14,478	82	62	36.273	207,452	1.074,981	5,182	4,713
33	13	97.574	12.212,270	181.562,132	14,867	14,398	83	63	32.662	175,396	867,529	4,946	4,477
34	14	97.479	11.455,751	169.349,863	14,783	14,314	84	64	29.134	146,904	692,133	4,711	4,243
35	15	97.374	10.745,048	157.894,112	14,695	14,226	85	65	25.732	121,831	545,229	4,475	4,007
36	16	97.255	10.076,888	147.149,064	14,603	14,134	86	66	22.556	100,276	423,398	4,222	3,754
37	17	97.125	9.449,184	137.072,176	14,506	14,038	87	67	19.391	80,944	323,122	3,992	3,523
38	18	96.986	8.859,804	127.622,992	14,405	13,936	88	68	16.311	63,933	242,178	3,788	3,319
39	19	96.825	8.305,213	118.763,188	14,300	13,831	89	69	13.456	49,523	178,245	3,599	3,130
40	20	96.649	7.784,144	110.457,975	14,190	13,721	90	70	10.896	37,653	128,722	3,419	2,950
41	21	96.452	7.294,163	102.673,831	14,076	13,607	91	71	8.657	28,091	91,069	3,242	2,773
42	22	96.245	6.834,296	95.379,668	13,956	13,487	92	72	6.705	20,429	62,978	3,083	2,614
43	23	96.007	6.401,292	88.545,373	13,832	13,364	93	73	5.071	14,506	42,549	2,933	2,464
44	24	95.744	5.994,159	82.144,080	13,704	13,235	94	74	3.737	10,038	28,043	2,794	2,325
45	25	95.461	5.611,694	76.149,921	13,570	13,101	95	75	2.681	6,762	18,004	2,663	2,194
46	26	95.144	5.251,690	70.538,227	13,432	12,963	96	76	1.868	4,425	11,242	2,541	2,072
47	27	94.794	4.913,051	65.286,537	13,288	12,820	97	77	1.264	2,810	6,817	2,426	1,957
48	28	94.412	4.594,563	60.373,487	13,140	12,671	98	78	828	1,728	4,007	2,319	1,850
49	29	93.998	4.295,256	55.778,923	12,986	12,517	99	79	524	1,028	2,279	2,218	1,749
							100	80	320	0,589	1,251	2,123	1,654

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 21 Jahre

Zinsfuß 6,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	29	93.576	4.015,003	51.545,476	12,838	12,369
1							51	30	93.085	3.750,176	47.530,473	12,674	12,205
2							52	31	92.573	3.501,902	43.780,297	12,502	12,033
3							53	32	91.997	3.267,719	40.278,395	12,326	11,857
4							54	33	91.386	3.047,910	37.010,677	12,143	11,674
5							55	34	90.729	2.841,319	33.962,766	11,953	11,484
6							56	35	90.008	2.646,694	31.121,447	11,759	11,290
7							57	36	89.258	2.464,434	28.474,753	11,554	11,086
8							58	37	88.435	2.292,703	26.010,319	11,345	10,876
9							59	38	87.539	2.130,949	23.717,616	11,130	10,661
10							60	39	86.558	1.978,474	21.586,667	10,911	10,442
11							61	40	85.515	1.835,338	19.608,193	10,684	10,215
12							62	41	84.414	1.701,141	17.772,856	10,448	9,979
13							63	42	83.195	1.574,243	16.071,714	10,209	9,740
14							64	43	81.900	1.455,163	14.497,472	9,963	9,494
15							65	44	80.503	1.343,041	13.042,309	9,711	9,242
16							66	45	78.983	1.237,261	11.699,268	9,456	8,987
17							67	46	77.349	1.137,711	10.462,006	9,196	8,727
18							68	47	75.556	1.043,513	9.324,295	8,935	8,467
19							69	48	73.627	954,801	8.280,782	8,673	8,204
20							70	49	71.579	871,588	7.325,981	8,405	7,937
21	0	98.983	26.376,696	409.103,675	15,510	15,041	71	50	69.370	793,140	6.454,393	8,138	7,669
22	1	98.530	24.653,467	382.726,979	15,524	15,056	72	51	67.016	719,458	5.661,252	7,869	7,400
23	2	98.421	23.123,058	358.073,512	15,486	15,017	73	52	64.477	649,955	4.941,794	7,603	7,135
24	3	98.328	21.691,409	334.950,454	15,442	14,973	74	53	61.789	584,843	4.291,840	7,338	6,870
25	4	98.240	20.349,248	313.259,045	15,394	14,925	75	54	58.979	524,173	3.706,997	7,072	6,603
26	5	98.156	19.090,833	292.909,797	15,343	14,874	76	55	56.056	467,793	3.182,823	6,804	6,335
27	6	98.072	17.910,503	273.818,964	15,288	14,819	77	56	53.058	415,750	2.715,031	6,530	6,062
28	7	97.993	16.803,799	255.908,460	15,229	14,760	78	57	49.953	367,526	2.299,281	6,256	5,787
29	8	97.913	15.765,244	239.104,661	15,167	14,698	79	58	46.711	322,700	1.931,755	5,986	5,517
30	9	97.835	14.791,214	223.339,417	15,099	14,631	80	59	43.390	281,465	1.609,055	5,717	5,248
31	10	97.757	13.877,421	208.548,203	15,028	14,559	81	60	39.961	243,401	1.327,591	5,454	4,986
32	11	97.671	13.019,058	194.670,782	14,953	14,484	82	61	36.478	208,626	1.084,190	5,197	4,728
33	12	97.582	12.213,307	181.651,724	14,873	14,405	83	62	32.868	176,507	875,564	4,961	4,492
34	13	97.488	11.456,861	169.438,417	14,789	14,321	84	63	29.334	147,910	699,057	4,726	4,257
35	14	97.386	10.746,300	157.981,556	14,701	14,232	85	64	25.922	122,728	551,147	4,491	4,022
36	15	97.272	10.078,689	147.235,256	14,609	14,140	86	65	22.742	101,102	428,418	4,237	3,769
37	16	97.145	9.451,186	137.156,567	14,512	14,043	87	66	19.568	81,683	327,317	4,007	3,538
38	17	97.007	8.861,754	127.705,382	14,411	13,942	88	67	16.479	64,590	245,633	3,803	3,334
39	18	96.852	8.307,602	118.843,628	14,305	13,837	89	68	13.612	50,096	181,043	3,614	3,145
40	19	96.675	7.786,302	110.536,026	14,196	13,727	90	69	11.037	38,140	130,947	3,433	2,965
41	20	96.482	7.296,468	102.749,724	14,082	13,613	91	70	8.782	28,496	92,808	3,257	2,788
42	21	96.268	6.835,968	95.453,256	13,963	13,495	92	71	6.816	20,766	64,312	3,097	2,628
43	22	96.033	6.403,026	88.617,288	13,840	13,371	93	72	5.164	14,772	43,546	2,948	2,479
44	23	95.769	5.995,724	82.214,262	13,712	13,243	94	73	3.815	10,247	28,774	2,808	2,339
45	24	95.487	5.613,219	76.218,538	13,578	13,110	95	74	2.743	6,920	18,526	2,677	2,209
46	25	95.167	5.252,982	70.605,319	13,441	12,972	96	75	1.918	4,543	11,607	2,555	2,086
47	26	94.821	4.914,426	65.352,337	13,298	12,829	97	76	1.301	2,894	7,064	2,441	1,972
48	27	94.439	4.595,903	60.437,911	13,150	12,682	98	77	856	1,787	4,170	2,334	1,866
49	28	94.026	4.296,532	55.842,008	12,997	12,528	99	78	544	1,067	2,384	2,234	1,765
							100	79	334	0,615	1,317	2,140	1,671

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 22 Jahre

Zinsfuß 6,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	28	93.604	4.016,195	51.602,004	12,848	12,380
1							51	29	93.113	3.751,274	47.585,810	12,685	12,216
2							52	30	92.603	3.503,049	43.834,536	12,513	12,045
3							53	31	92.030	3.268,886	40.331,487	12,338	11,869
4							54	32	91.419	3.048,994	37.062,600	12,156	11,687
5							55	33	90.766	2.842,455	34.013,606	11,966	11,498
6							56	34	90.050	2.647,935	31.171,151	11,772	11,303
7							57	35	89.303	2.465,696	28.523,215	11,568	11,099
8							58	36	88.485	2.294,000	26.057,519	11,359	10,890
9							59	37	87.592	2.132,256	23.763,519	11,145	10,676
10							60	38	86.619	1.979,859	21.631,263	10,926	10,457
11							61	39	85.583	1.836,808	19.651,403	10,699	10,230
12							62	40	84.488	1.702,622	17.814,596	10,463	9,994
13							63	41	83.277	1.575,800	16.111,973	10,225	9,756
14							64	42	81.993	1.456,801	14.536,173	9,978	9,509
15							65	43	80.608	1.344,787	13.079,372	9,726	9,257
16							66	44	79.093	1.238,986	11.734,585	9,471	9,002
17							67	45	77.472	1.139,518	10.495,599	9,211	8,742
18							68	46	75.692	1.045,391	9.356,081	8,950	8,481
19							69	47	73.770	956,662	8.310,690	8,687	8,218
20							70	48	71.731	873,440	7.354,029	8,420	7,951
21							71	49	69.537	795,054	6.480,589	8,151	7,682
22	0	98.906	24.747,432	382.930,664	15,474	15,005	72	50	67.186	721,280	5.685,535	7,883	7,414
23	1	98.456	23.131,342	358.183,232	15,485	15,016	73	51	64.657	651,765	4.964,255	7,617	7,148
24	2	98.348	21.695,698	335.051,890	15,443	14,974	74	52	61.976	586,616	4.312,490	7,351	6,883
25	3	98.257	20.352,742	313.356,192	15,396	14,928	75	53	59.166	525,834	3.725,873	7,086	6,617
26	4	98.168	19.093,299	293.003,450	15,346	14,877	76	54	56.252	469,425	3.200,040	6,817	6,348
27	5	98.085	17.912,845	273.910,151	15,291	14,823	77	55	53.260	417,330	2.730,614	6,543	6,074
28	6	98.002	16.805,347	255.997,306	15,233	14,764	78	56	50.154	369,008	2.313,284	6,269	5,800
29	7	97.921	15.766,617	239.191,958	15,171	14,702	79	57	46.920	324,147	1.944,277	5,998	5,529
30	8	97.844	14.792,634	223.425,341	15,104	14,635	80	58	43.600	282,827	1.620,130	5,728	5,260
31	9	97.763	13.878,318	208.632,707	15,033	14,564	81	59	40.166	244,645	1.337,304	5,466	4,998
32	10	97.680	13.020,153	194.754,389	14,958	14,489	82	60	36.680	209,781	1.092,659	5,209	4,740
33	11	97.591	12.214,452	181.734,236	14,879	14,410	83	61	33.054	177,506	882,878	4,974	4,505
34	12	97.497	11.457,834	169.519,784	14,795	14,326	84	62	29.519	148,847	705,372	4,739	4,270
35	13	97.395	10.747,341	158.061,950	14,707	14,238	85	63	26.099	123,569	556,526	4,504	4,035
36	14	97.284	10.079,863	147.314,608	14,615	14,146	86	64	22.909	101,847	432,957	4,251	3,782
37	15	97.163	9.452,874	137.234,745	14,518	14,049	87	65	19.729	82,356	331,110	4,020	3,552
38	16	97.028	8.863,631	127.781,871	14,416	13,948	88	66	16.630	65,180	248,754	3,816	3,348
39	17	96.874	8.309,430	118.918,240	14,311	13,842	89	67	13.752	50,610	183,574	3,627	3,158
40	18	96.703	7.788,542	110.608,810	14,201	13,733	90	68	11.165	38,581	132,964	3,446	2,978
41	19	96.509	7.298,491	102.820,268	14,088	13,619	91	69	8.896	28,864	94,383	3,270	2,801
42	20	96.299	6.838,128	95.521,777	13,969	13,500	92	70	6.914	21,065	65,519	3,110	2,641
43	21	96.056	6.404,593	88.683,648	13,847	13,378	93	71	5.249	15,016	44,453	2,960	2,492
44	22	95.795	5.997,347	82.279,055	13,719	13,250	94	72	3.885	10,435	29,437	2,821	2,352
45	23	95.512	5.614,684	76.281,708	13,586	13,117	95	73	2.800	7,063	19,002	2,690	2,221
46	24	95.193	5.254,410	70.667,024	13,449	12,980	96	74	1.963	4,649	11,939	2,568	2,100
47	25	94.844	4.915,636	65.412,614	13,307	12,838	97	75	1.336	2,971	7,290	2,454	1,985
48	26	94.466	4.597,190	60.496,978	13,160	12,691	98	76	881	1,840	4,319	2,348	1,879
49	27	94.054	4.297,784	55.899,789	13,007	12,538	99	77	563	1,103	2,480	2,248	1,779
							100	78	347	0,639	1,377	2,154	1,686

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 23 Jahre

Zinsfuß 6,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	27	93.631	4.017,366	51.653,775	12,858	12,389
1							51	28	93.140	3.752,388	47.636,410	12,695	12,226
2							52	29	92.630	3.504,075	43.884,022	12,524	12,055
3							53	30	92.060	3.269,957	40.379,947	12,349	11,880
4							54	31	91.451	3.050,084	37.109,990	12,167	11,698
5							55	32	90.798	2.843,466	34.059,906	11,978	11,510
6							56	33	90.086	2.648,994	31.216,440	11,784	11,316
7							57	34	89.345	2.466,853	28.567,446	11,581	11,112
8							58	35	88.531	2.295,175	26.100,593	11,372	10,903
9							59	36	87.642	2.133,463	23.805,419	11,158	10,689
10							60	37	86.672	1.981,074	21.671,956	10,939	10,471
11							61	38	85.643	1.838,093	19.690,882	10,713	10,244
12							62	39	84.555	1.703,986	17.852,788	10,477	10,008
13							63	40	83.350	1.577,172	16.148,802	10,239	9,770
14							64	41	82.074	1.458,243	14.571,630	9,993	9,524
15							65	42	80.699	1.346,301	13.113,387	9,740	9,272
16							66	43	79.196	1.240,596	11.767,087	9,485	9,016
17							67	44	77.580	1.141,107	10.526,490	9,225	8,756
18							68	45	75.813	1.047,051	9.385,383	8,964	8,495
19							69	46	73.903	958,383	8.338,332	8,700	8,232
20							70	47	71.871	875,142	7.379,949	8,433	7,964
21							71	48	69.685	796,743	6.504,807	8,164	7,696
22							72	49	67.348	723,021	5.708,065	7,895	7,426
23	0	98.831	23.219,505	358.371,869	15,434	14,965	73	50	64.820	653,416	4.985,044	7,629	7,160
24	1	98.383	21.703,471	335.152,363	15,442	14,974	74	51	62.149	588,250	4.331,628	7,364	6,895
25	2	98.276	20.356,767	313.448,892	15,398	14,929	75	52	59.345	527,428	3.743,378	7,097	6,629
26	3	98.185	19.096,577	293.092,125	15,348	14,879	76	53	56.430	470,912	3.215,950	6,829	6,360
27	4	98.098	17.915,159	273.995,548	15,294	14,825	77	54	53.446	418,787	2.745,038	6,555	6,086
28	5	98.015	16.807,544	256.080,390	15,236	14,767	78	55	50.345	370,410	2.326,251	6,280	5,811
29	6	97.930	15.768,070	239.272,845	15,175	14,706	79	56	47.109	325,453	1.955,841	6,010	5,541
30	7	97.852	14.793,923	223.504,775	15,108	14,639	80	57	43.796	284,095	1.630,388	5,739	5,270
31	8	97.772	13.879,650	208.710,852	15,037	14,568	81	58	40.360	245,828	1.346,293	5,477	5,008
32	9	97.686	13.020,994	194.831,202	14,963	14,494	82	59	36.868	210,853	1.100,465	5,219	4,750
33	10	97.599	12.215,480	181.810,208	14,884	14,415	83	60	33.237	178,488	889,612	4,984	4,515
34	11	97.506	11.458,909	169.594,728	14,800	14,332	84	61	29.686	149,689	711,124	4,751	4,282
35	12	97.403	10.748,254	158.135,820	14,713	14,244	85	62	26.264	124,351	561,435	4,515	4,046
36	13	97.293	10.080,840	147.387,565	14,621	14,152	86	63	23.066	102,544	437,083	4,262	3,794
37	14	97.174	9.453,976	137.306,726	14,524	14,055	87	64	19.875	82,963	334,539	4,032	3,564
38	15	97.045	8.865,215	127.852,749	14,422	13,953	88	65	16.766	65,717	251,576	3,828	3,359
39	16	96.894	8.311,190	118.987,534	14,317	13,848	89	66	13.877	51,073	185,860	3,639	3,170
40	17	96.724	7.790,256	110.676,344	14,207	13,738	90	67	11.279	38,977	134,787	3,458	2,989
41	18	96.537	7.300,590	102.886,088	14,093	13,624	91	68	8.998	29,198	95,809	3,281	2,813
42	19	96.325	6.840,024	95.585,498	13,974	13,506	92	69	7.003	21,338	66,611	3,122	2,653
43	20	96.086	6.406,616	88.745,473	13,852	13,383	93	70	5.324	15,232	45,274	2,972	2,504
44	21	95.818	5.998,815	82.338,857	13,726	13,257	94	71	3.949	10,607	30,042	2,832	2,363
45	22	95.538	5.616,204	76.340,042	13,593	13,124	95	72	2.852	7,193	19,434	2,702	2,233
46	23	95.218	5.255,781	70.723,837	13,456	12,988	96	73	2.004	4,745	12,241	2,580	2,111
47	24	94.870	4.916,972	65.468,056	13,315	12,846	97	74	1.367	3,040	7,496	2,466	1,997
48	25	94.489	4.598,321	60.551,084	13,168	12,699	98	75	905	1,889	4,456	2,359	1,890
49	26	94.080	4.298,988	55.952,763	13,015	12,547	99	76	579	1,136	2,567	2,260	1,791
							100	77	359	0,660	1,431	2,167	1,698

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 24 Jahre

Zinsfuß 6,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	26	93.658	4.018,491	51.701,236	12,866	12,397
1							51	27	93.167	3.753,482	47.682,745	12,704	12,235
2							52	28	92.658	3.505,115	43.929,264	12,533	12,064
3							53	29	92.087	3.270,914	40.424,148	12,359	11,890
4							54	30	91.481	3.051,083	37.153,234	12,177	11,708
5							55	31	90.830	2.844,482	34.102,151	11,989	11,520
6							56	32	90.118	2.649,936	31.257,669	11,796	11,327
7							57	33	89.381	2.467,839	28.607,733	11,592	11,123
8							58	34	88.572	2.296,251	26.139,894	11,384	10,915
9							59	35	87.687	2.134,556	23.843,642	11,170	10,702
10							60	36	86.721	1.982,195	21.709,087	10,952	10,483
11							61	37	85.696	1.839,221	19.726,892	10,726	10,257
12							62	38	84.615	1.705,179	17.887,671	10,490	10,021
13							63	39	83.417	1.578,435	16.182,492	10,252	9,783
14							64	40	82.145	1.459,512	14.604,056	10,006	9,537
15							65	41	80.779	1.347,633	13.144,544	9,754	9,285
16							66	42	79.285	1.241,993	11.796,911	9,498	9,030
17							67	43	77.681	1.142,590	10.554,918	9,238	8,769
18							68	44	75.918	1.048,511	9.412,328	8,977	8,508
19							69	45	74.020	959,905	8.363,817	8,713	8,244
20							70	46	72.000	876,716	7.403,912	8,445	7,976
21							71	47	69.821	798,295	6.527,195	8,176	7,708
22							72	48	67.491	724,557	5.728,900	7,907	7,438
23							73	49	64.977	654,992	5.004,344	7,640	7,172
24	0	98.758	21.786,192	335.327,081	15,392	14,923	74	50	62.306	589,740	4.349,352	7,375	6,906
25	1	98.312	20.364,060	313.540,889	15,397	14,928	75	51	59.510	528,897	3.759,611	7,108	6,640
26	2	98.204	19.100,353	293.176,829	15,349	14,881	76	52	56.601	472,340	3.230,714	6,840	6,371
27	3	98.115	17.918,235	274.076,476	15,296	14,827	77	53	53.615	420,113	2.758,374	6,566	6,097
28	4	98.028	16.809,715	256.158,242	15,239	14,770	78	54	50.520	371,703	2.338,261	6,291	5,822
29	5	97.943	15.770,132	239.348,526	15,177	14,709	79	55	47.288	326,690	1.966,558	6,020	5,551
30	6	97.861	14.795,286	223.578,394	15,111	14,643	80	56	43.972	285,240	1.639,867	5,749	5,280
31	7	97.781	13.880,859	208.783,108	15,041	14,572	81	57	40.541	246,931	1.354,628	5,486	5,017
32	8	97.695	13.022,244	194.902,249	14,967	14,498	82	58	37.046	211,873	1.107,697	5,228	4,759
33	9	97.606	12.216,269	181.880,005	14,888	14,420	83	59	33.407	179,400	895,824	4,993	4,525
34	10	97.514	11.459,872	169.663,736	14,805	14,336	84	60	29.851	150,518	716,424	4,760	4,291
35	11	97.413	10.749,262	158.203,864	14,718	14,249	85	61	26.413	125,055	565,906	4,525	4,057
36	12	97.301	10.081,696	147.454,601	14,626	14,157	86	62	23.212	103,193	440,851	4,272	3,803
37	13	97.183	9.454,892	137.372,905	14,529	14,061	87	63	20.011	83,531	337,658	4,042	3,574
38	14	97.057	8.866,248	127.918,013	14,428	13,959	88	64	16.890	66,201	254,127	3,839	3,370
39	15	96.912	8.312,675	119.051,765	14,322	13,853	89	65	13.992	51,494	187,926	3,650	3,181
40	16	96.745	7.791,906	110.739,090	14,212	13,743	90	66	11.382	39,334	136,432	3,469	3,000
41	17	96.558	7.302,197	102.947,183	14,098	13,629	91	67	9.091	29,498	97,099	3,292	2,823
42	18	96.353	6.841,992	95.644,986	13,979	13,510	92	68	7.084	21,585	67,601	3,132	2,663
43	19	96.113	6.408,393	88.802,994	13,857	13,389	93	69	5.393	15,429	46,017	2,982	2,514
44	20	95.849	6.000,711	82.394,601	13,731	13,262	94	70	4.006	10,760	30,588	2,843	2,374
45	21	95.561	5.617,579	76.393,891	13,599	13,130	95	71	2.899	7,312	19,827	2,712	2,243
46	22	95.244	5.257,205	70.776,312	13,463	12,994	96	72	2.040	4,832	12,516	2,590	2,121
47	23	94.895	4.918,255	65.519,108	13,322	12,853	97	73	1.395	3,103	7,683	2,476	2,007
48	24	94.515	4.599,571	60.600,853	13,175	12,707	98	74	926	1,933	4,580	2,370	1,901
49	25	94.103	4.300,046	56.001,282	13,023	12,555	99	75	595	1,166	2,647	2,270	1,802
							100	76	369	0,680	1,481	2,178	1,709

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 25 Jahre

Zinsfuß 6,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	25	93.681	4.019,480	51.744,698	12,873	12,405
1							51	26	93.194	3.754,533	47.725,218	12,711	12,243
2							52	27	92.685	3.506,137	43.970,685	12,541	12,072
3							53	28	92.114	3.271,886	40.464,548	12,367	11,899
4							54	29	91.508	3.051,976	37.192,663	12,186	11,718
5							55	30	90.860	2.845,414	34.140,686	11,998	11,530
6							56	31	90.151	2.650,883	31.295,272	11,806	11,337
7							57	32	89.413	2.468,717	28.644,390	11,603	11,134
8							58	33	88.607	2.297,169	26.175,673	11,395	10,926
9							59	34	87.728	2.135,557	23.878,503	11,181	10,713
10							60	35	86.765	1.983,210	21.742,947	10,964	10,495
11							61	36	85.744	1.840,262	19.759,736	10,737	10,269
12							62	37	84.667	1.706,225	17.919,475	10,502	10,034
13							63	38	83.475	1.579,540	16.213,249	10,265	9,796
14							64	39	82.211	1.460,681	14.633,709	10,018	9,550
15							65	40	80.849	1.348,806	13.173,028	9,766	9,298
16							66	41	79.364	1.243,222	11.824,221	9,511	9,042
17							67	42	77.768	1.143,876	10.580,999	9,250	8,781
18							68	43	76.017	1.049,874	9.437,123	8,989	8,520
19							69	44	74.124	961,243	8.387,249	8,725	8,257
20							70	45	72.114	878,109	7.426,006	8,457	7,988
21							71	46	69.947	799,731	6.547,897	8,188	7,719
22							72	47	67.622	725,968	5.748,165	7,918	7,449
23							73	48	65.115	656,384	5.022,197	7,651	7,183
24							74	49	62.457	591,163	4.365,814	7,385	6,916
25	0	98.686	20.441,676	313.702,732	15,346	14,877	75	50	59.661	530,237	3.774,651	7,119	6,650
26	1	98.240	19.107,196	293.261,057	15,348	14,879	76	51	56.759	473,656	3.244,414	6,850	6,381
27	2	98.134	17.921,778	274.153,860	15,297	14,829	77	52	53.778	421,387	2.770,758	6,575	6,107
28	3	98.045	16.812,601	256.232,082	15,240	14,772	78	53	50.680	372,880	2.349,371	6,301	5,832
29	4	97.956	15.772,169	239.419,481	15,180	14,711	79	54	47.454	327,831	1.976,490	6,029	5,560
30	5	97.874	14.797,220	223.647,312	15,114	14,645	80	55	44.139	286,324	1.648,660	5,758	5,289
31	6	97.790	13.882,138	208.850,092	15,045	14,576	81	56	40.704	247,926	1.362,336	5,495	5,026
32	7	97.704	13.023,378	194.967,954	14,971	14,502	82	57	37.212	212,823	1.114,410	5,236	4,768
33	8	97.615	12.217,442	181.944,575	14,892	14,423	83	58	33.569	180,268	901,587	5,001	4,533
34	9	97.520	11.460,613	169.727,134	14,810	14,341	84	59	30.003	151,287	721,319	4,768	4,299
35	10	97.421	10.750,166	158.266,521	14,722	14,253	85	60	26.559	125,747	570,032	4,533	4,064
36	11	97.311	10.082,642	147.516,354	14,631	14,162	86	61	23.344	103,777	444,285	4,281	3,812
37	12	97.192	9.455,695	137.433,713	14,534	14,066	87	62	20.137	84,060	340,508	4,051	3,582
38	13	97.066	8.867,107	127.978,018	14,433	13,964	88	63	17.006	66,654	256,448	3,847	3,379
39	14	96.923	8.313,644	119.110,910	14,327	13,858	89	64	14.095	51,873	189,793	3,659	3,190
40	15	96.762	7.793,299	110.797,266	14,217	13,748	90	65	11.476	39,657	137,920	3,478	3,009
41	16	96.578	7.303,744	103.003,967	14,103	13,634	91	66	9.174	29,767	98,263	3,301	2,832
42	17	96.374	6.843,498	95.700,224	13,984	13,515	92	67	7.157	21,806	68,495	3,141	2,672
43	18	96.141	6.410,236	88.856,726	13,862	13,393	93	68	5.456	15,607	46,689	2,991	2,523
44	19	95.875	6.002,374	82.446,489	13,736	13,267	94	69	4.058	10,899	31,082	2,852	2,383
45	20	95.591	5.619,354	76.444,115	13,604	13,135	95	70	2.941	7,417	20,182	2,721	2,252
46	21	95.267	5.258,491	70.824,761	13,469	13,000	96	71	2.074	4,912	12,765	2,599	2,130
47	22	94.921	4.919,587	65.566,270	13,328	12,859	97	72	1.421	3,160	7,853	2,485	2,016
48	23	94.539	4.600,771	60.646,683	13,182	12,713	98	73	945	1,973	4,693	2,379	1,910
49	24	94.129	4.301,214	56.045,912	13,030	12,562	99	74	609	1,193	2,720	2,280	1,811
							100	75	379	0,698	1,527	2,187	1,718

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 0 Jahre

Zinsfuß 6,75%

Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	0	100.000	100.000,000	1.541.050,643	15,411	14,941	50	50	91.638	3.496,882	41.720,555	11,931	11,462
1	1	99.166	92.895,371	1.441.050,643	15,513	15,043	51	51	90.953	3.251,300	38.223,673	11,756	11,287
2	2	99.090	86.955,115	1.348.155,272	15,504	15,035	52	52	90.231	3.021,520	34.972,373	11,574	11,105
3	3	99.051	81.424,281	1.261.200,157	15,489	15,020	53	53	89.431	2.805,357	31.950,853	11,389	10,920
4	4	99.016	76.248,668	1.179.775,876	15,473	15,004	54	54	88.588	2.603,205	29.145,497	11,196	10,727
5	5	98.990	71.408,521	1.103.527,207	15,454	14,985	55	55	87.680	2.413,616	26.542,292	10,997	10,528
6	6	98.963	66.875,325	1.032.118,686	15,433	14,964	56	56	86.694	2.235,577	24.128,676	10,793	10,324
7	7	98.942	62.633,601	965.243,361	15,411	14,942	57	57	85.670	2.069,475	21.893,099	10,579	10,110
8	8	98.922	58.660,808	902.609,760	15,387	14,918	58	58	84.550	1.913,266	19.823,625	10,361	9,892
9	9	98.900	54.939,769	843.948,951	15,361	14,892	59	59	83.341	1.766,657	17.910,359	10,138	9,669
10	10	98.885	51.457,684	789.009,183	15,333	14,864	60	60	82.046	1.629,228	16.143,702	9,909	9,440
11	11	98.867	48.195,337	737.551,498	15,303	14,834	61	61	80.675	1.500,720	14.514,474	9,672	9,203
12	12	98.844	45.137,101	689.356,162	15,272	14,803	62	62	79.258	1.381,125	13.013,754	9,423	8,953
13	13	98.822	42.273,886	644.219,061	15,239	14,770	63	63	77.698	1.268,335	11.632,628	9,172	8,702
14	14	98.800	39.591,859	601.945,175	15,204	14,735	64	64	76.054	1.163,001	10.364,294	8,912	8,443
15	15	98.770	37.077,229	562.353,316	15,167	14,698	65	65	74.307	1.064,428	9.201,292	8,644	8,175
16	16	98.729	34.718,370	525.276,087	15,130	14,661	66	66	72.409	971,658	8.136,865	8,374	7,905
17	17	98.670	32.503,721	490.557,717	15,092	14,623	67	67	70.380	884,716	7.165,207	8,099	7,630
18	18	98.599	30.426,322	458.053,996	15,055	14,585	68	68	68.173	802,777	6.280,491	7,823	7,354
19	19	98.496	28.472,599	427.627,674	15,019	14,550	69	69	65.800	725,841	5.477,714	7,547	7,078
20	20	98.389	26.643,355	399.155,074	14,981	14,512	70	70	63.288	653,983	4.751,873	7,266	6,797
21	21	98.283	24.931,793	372.511,720	14,941	14,472	71	71	60.609	586,700	4.097,890	6,985	6,516
22	22	98.182	23.331,288	347.579,926	14,898	14,428	72	72	57.749	523,665	3.511,190	6,705	6,236
23	23	98.081	21.833,616	324.248,639	14,851	14,382	73	73	54.711	464,750	2.987,525	6,428	5,959
24	24	97.983	20.432,543	302.415,023	14,801	14,332	74	74	51.518	409,952	2.522,775	6,154	5,685
25	25	97.886	19.121,471	281.982,480	14,747	14,278	75	75	48.208	359,356	2.112,823	5,879	5,410
26	26	97.790	17.894,879	262.861,008	14,689	14,220	76	76	44.787	312,744	1.753,467	5,607	5,138
27	27	97.693	16.746,674	244.966,129	14,628	14,159	77	77	41.321	270,296	1.440,723	5,330	4,861
28	28	97.594	15.671,963	228.219,455	14,562	14,093	78	78	37.788	231,559	1.170,427	5,055	4,585
29	29	97.494	14.665,851	212.547,492	14,493	14,024	79	79	34.179	196,198	938,868	4,785	4,316
30	30	97.396	13.724,820	197.881,641	14,418	13,949	80	80	30.561	164,336	742,671	4,519	4,050
31	31	97.293	12.843,375	184.156,821	14,339	13,870	81	81	26.911	135,562	578,335	4,266	3,797
32	32	97.182	12.017,470	171.313,446	14,255	13,786	82	82	23.325	110,066	442,773	4,023	3,554
33	33	97.068	11.244,360	159.295,976	14,167	13,698	83	83	19.770	87,391	332,707	3,807	3,338
34	34	96.944	10.519,914	148.051,616	14,073	13,604	84	84	16.483	68,255	245,316	3,594	3,125
35	35	96.806	9.840,692	137.531,702	13,976	13,507	85	85	13.487	52,317	177,062	3,384	2,915
36	36	96.655	9.204,085	127.691,010	13,873	13,404	86	86	10.885	39,553	124,745	3,154	2,685
37	37	96.491	8.607,491	118.486,924	13,766	13,296	87	87	8.491	28,903	85,192	2,947	2,478
38	38	96.316	8.048,544	109.879,433	13,652	13,183	88	88	6.365	20,297	56,289	2,773	2,304
39	39	96.116	7.523,963	101.830,890	13,534	13,065	89	89	4.613	13,780	35,991	2,612	2,143
40	40	95.891	7.031,714	94.306,927	13,412	12,943	90	90	3.223	9,018	22,211	2,463	1,994
41	41	95.642	6.570,021	87.275,213	13,284	12,815	91	91	2.173	5,696	13,193	2,316	1,847
42	42	95.366	6.136,822	80.705,192	13,151	12,682	92	92	1.390	3,414	7,497	2,196	1,727
43	43	95.049	5.729,649	74.568,370	13,014	12,545	93	93	851	1,957	4,083	2,087	1,617
44	44	94.691	5.347,116	68.838,720	12,874	12,405	94	94	497	1,070	2,126	1,987	1,518
45	45	94.305	4.988,616	63.491,604	12,727	12,258	95	95	276	0,557	1,056	1,896	1,427
46	46	93.866	4.651,408	58.502,988	12,577	12,108	96	96	146	0,275	0,499	1,813	1,344
47	47	93.379	4.334,702	53.851,580	12,423	11,954	97	97	73	0,129	0,224	1,738	1,268
48	48	92.848	4.037,525	49.516,878	12,264	11,795	98	98	34	0,057	0,095	1,669	1,200
49	49	92.273	3.758,798	45.479,354	12,099	11,630	99	99	15	0,024	0,038	1,606	1,137
							100	100	6	0,009	0,014	1,549	1,080

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -1 Jahr

Zinsfuß 6,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	1	99.620	99.620,306	1.540.000,124	15,459	14,990	50	51	91.406	3.488,047	41.395,577	11,868	11,399
1	2	99.130	92.862,101	1.440.379,818	15,511	15,042	51	52	90.701	3.242,270	37.907,530	11,692	11,223
2	3	99.071	86.937,923	1.347.517,717	15,500	15,031	52	53	89.958	3.012,385	34.665,260	11,508	11,038
3	4	99.034	81.410,305	1.260.579,793	15,484	15,015	53	54	89.148	2.796,499	31.652,875	11,319	10,850
4	5	99.003	76.238,821	1.179.169,489	15,467	14,998	54	55	88.280	2.594,150	28.856,376	11,124	10,655
5	6	98.977	71.399,187	1.102.930,668	15,447	14,978	55	56	87.348	2.404,476	26.262,226	10,922	10,453
6	7	98.954	66.869,163	1.031.531,481	15,426	14,957	56	57	86.346	2.226,601	23.857,750	10,715	10,246
7	8	98.934	62.628,146	964.662,319	15,403	14,934	57	58	85.288	2.060,238	21.631,148	10,499	10,030
8	9	98.912	58.655,178	902.034,172	15,379	14,909	58	59	84.143	1.904,052	19.570,910	10,279	9,809
9	10	98.894	54.936,219	843.378,995	15,352	14,883	59	60	82.917	1.757,676	17.666,858	10,051	9,582
10	11	98.876	51.453,357	788.442,776	15,323	14,854	60	61	81.594	1.620,260	15.909,182	9,819	9,350
11	12	98.858	48.190,817	736.989,419	15,293	14,824	61	62	80.221	1.492,275	14.288,921	9,575	9,106
12	13	98.835	45.133,267	688.798,602	15,261	14,792	62	63	78.759	1.372,434	12.796,646	9,324	8,855
13	14	98.813	42.269,790	643.665,335	15,228	14,758	63	64	77.170	1.259,708	11.424,213	9,069	8,600
14	15	98.788	39.587,245	601.395,545	15,192	14,723	64	65	75.498	1.154,496	10.164,505	8,804	8,335
15	16	98.752	37.070,604	561.808,299	15,155	14,686	65	66	73.700	1.055,734	9.010,008	8,534	8,065
16	17	98.708	34.711,017	524.737,695	15,117	14,648	66	67	71.753	962,858	7.954,274	8,261	7,792
17	18	98.649	32.496,570	490.026,677	15,079	14,610	67	68	69.665	875,723	6.991,416	7,984	7,514
18	19	98.570	30.417,572	457.530,107	15,042	14,573	68	69	67.393	793,595	6.115,693	7,706	7,237
19	20	98.468	28.464,707	427.112,536	15,005	14,536	69	70	64.960	716,580	5.322,098	7,427	6,958
20	21	98.358	26.634,939	398.647,829	14,967	14,498	70	71	62.388	644,688	4.605,518	7,144	6,675
21	22	98.259	24.925,693	372.012,890	14,925	14,456	71	72	59.626	577,188	3.960,830	6,862	6,393
22	23	98.155	23.324,971	347.087,196	14,880	14,411	72	73	56.707	514,224	3.383,642	6,580	6,111
23	24	98.056	21.827,919	323.762,226	14,832	14,363	73	74	53.596	455,282	2.869,418	6,303	5,833
24	25	97.957	20.426,992	301.934,307	14,781	14,312	74	75	50.345	400,621	2.414,136	6,026	5,557
25	26	97.861	19.116,766	281.507,314	14,726	14,257	75	76	46.958	350,039	2.013,515	5,752	5,283
26	27	97.762	17.889,869	262.390,548	14,667	14,198	76	77	43.490	303,691	1.663,477	5,478	5,008
27	28	97.664	16.741,794	244.500,679	14,604	14,135	77	78	39.976	261,502	1.359,786	5,200	4,731
28	29	97.565	15.667,312	227.758,885	14,537	14,068	78	79	36.388	222,977	1.098,284	4,926	4,456
29	30	97.465	14.661,558	212.091,574	14,466	13,997	79	80	32.741	187,945	875,307	4,657	4,188
30	31	97.365	13.720,327	197.430,016	14,390	13,920	80	81	29.072	156,331	687,362	4,397	3,928
31	32	97.259	12.838,787	183.709,689	14,309	13,840	81	82	25.411	128,005	531,032	4,149	3,679
32	33	97.147	12.013,197	170.870,902	14,224	13,754	82	83	21.818	102,953	403,027	3,915	3,446
33	34	97.029	11.239,867	158.857,705	14,133	13,664	83	84	18.353	81,128	300,074	3,699	3,230
34	35	96.898	10.514,982	147.617,838	14,039	13,570	84	85	15.158	62,769	218,946	3,488	3,019
35	36	96.756	9.835,654	137.102,856	13,939	13,470	85	86	12.316	47,774	156,176	3,269	2,800
36	37	96.600	9.198,881	127.267,202	13,835	13,366	86	87	9.787	35,565	108,402	3,048	2,579
37	38	96.432	8.602,213	118.068,321	13,725	13,256	87	88	7.490	25,496	72,836	2,857	2,388
38	39	96.248	8.042,913	109.466,108	13,610	13,141	88	89	5.528	17,628	47,340	2,686	2,216
39	40	96.039	7.517,942	101.423,195	13,491	13,022	89	90	3.929	11,738	29,712	2,531	2,062
40	41	95.807	7.025,597	93.905,253	13,366	12,897	90	91	2.696	7,544	17,975	2,383	1,913
41	42	95.548	6.563,526	86.879,656	13,237	12,768	91	92	1.766	4,629	10,430	2,253	1,784
42	43	95.259	6.129,920	80.316,130	13,102	12,633	92	93	1.105	2,713	5,802	2,139	1,670
43	44	94.926	5.722,212	74.186,210	12,965	12,495	93	94	660	1,519	3,089	2,034	1,565
44	45	94.559	5.339,673	68.463,998	12,822	12,353	94	95	376	0,810	1,571	1,939	1,470
45	46	94.155	4.980,704	63.124,325	12,674	12,205	95	96	203	0,411	0,761	1,852	1,383
46	47	93.697	4.643,054	58.143,621	12,523	12,054	96	97	104	0,197	0,350	1,773	1,304
47	48	93.198	4.326,272	53.500,567	12,366	11,897	97	98	51	0,090	0,153	1,702	1,232
48	49	92.651	4.028,965	49.174,294	12,205	11,736	98	99	23	0,038	0,063	1,636	1,167
49	50	92.051	3.749,752	45.145,329	12,040	11,570	99	100	10	0,016	0,024	1,577	1,107
							100	101	4	0,006	0,009	1,522	1,053

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -2 Jahre

Zinsfuß 6,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	2	99.585	99.584,628	1.539.270,023	15,457	14,988	50	52	91.153	3.478,360	41.044,666	11,800	11,331
1	3	99.111	92.843,741	1.439.685,395	15,507	15,037	51	53	90.427	3.232,468	37.566,306	11,622	11,152
2	4	99.054	86.923,001	1.346.841,654	15,495	15,026	52	54	89.674	3.002,874	34.333,838	11,434	10,965
3	5	99.021	81.399,790	1.259.918,653	15,478	15,009	53	55	88.838	2.786,772	31.330,964	11,243	10,774
4	6	98.990	76.228,854	1.178.518,863	15,460	14,991	54	56	87.945	2.584,326	28.544,193	11,045	10,576
5	7	98.968	71.392,608	1.102.290,008	15,440	14,971	55	57	86.998	2.394,823	25.959,867	10,840	10,371
6	8	98.945	66.863,339	1.030.897,401	15,418	14,949	56	58	85.961	2.216,664	23.565,044	10,631	10,162
7	9	98.924	62.622,134	964.034,062	15,394	14,925	57	59	84.877	2.050,317	21.348,380	10,412	9,943
8	10	98.906	58.651,387	901.411,927	15,369	14,900	58	60	83.715	1.894,373	19.298,063	10,187	9,718
9	11	98.886	54.931,599	842.760,540	15,342	14,873	59	61	82.461	1.748,001	17.403,690	9,956	9,487
10	12	98.867	51.448,532	787.828,941	15,313	14,844	60	62	81.135	1.611,142	15.655,689	9,717	9,248
11	13	98.849	48.186,724	736.380,409	15,282	14,813	61	63	79.716	1.482,884	14.044,546	9,471	9,002
12	14	98.826	45.128,894	688.193,685	15,250	14,780	62	64	78.223	1.363,099	12.561,662	9,216	8,746
13	15	98.801	42.264,865	643.064,790	15,215	14,746	63	65	76.605	1.250,496	11.198,563	8,955	8,486
14	16	98.771	39.580,172	600.799,926	15,179	14,710	64	66	74.882	1.145,067	9.948,067	8,688	8,219
15	17	98.732	37.062,754	561.219,753	15,142	14,673	65	67	73.032	1.046,173	8.803,000	8,414	7,945
16	18	98.687	34.703,380	524.157,000	15,104	14,635	66	68	71.024	953,071	7.756,828	8,139	7,670
17	19	98.620	32.487,224	489.453,619	15,066	14,597	67	69	68.868	865,707	6.803,757	7,859	7,390
18	20	98.543	30.409,140	456.966,395	15,027	14,558	68	70	66.533	783,471	5.938,050	7,579	7,110
19	21	98.437	28.455,716	426.557,255	14,990	14,521	69	71	64.037	706,395	5.154,580	7,297	6,828
20	22	98.334	26.628,422	398.101,539	14,950	14,481	70	72	61.377	634,236	4.448,185	7,013	6,544
21	23	98.233	24.918,945	371.473,117	14,907	14,438	71	73	58.551	566,782	3.813,949	6,729	6,260
22	24	98.130	23.318,885	346.554,172	14,862	14,392	72	74	55.552	503,748	3.247,167	6,446	5,977
23	25	98.029	21.821,989	323.235,287	14,812	14,343	73	75	52.376	444,919	2.743,419	6,166	5,697
24	26	97.932	20.421,966	301.413,298	14,759	14,290	74	76	49.040	390,234	2.298,500	5,890	5,421
25	27	97.834	19.111,414	280.991,332	14,703	14,234	75	77	45.598	339,906	1.908,266	5,614	5,145
26	28	97.734	17.884,655	261.879,918	14,643	14,174	76	78	42.075	293,811	1.568,361	5,338	4,869
27	29	97.635	16.736,824	243.995,262	14,578	14,109	77	79	38.495	251,811	1.274,550	5,062	4,592
28	30	97.537	15.662,726	227.258,438	14,510	14,040	78	80	34.857	213,597	1.022,739	4,788	4,319
29	31	97.433	14.656,757	211.595,712	14,437	13,968	79	81	31.146	178,789	809,142	4,526	4,057
30	32	97.330	13.715,426	196.938,955	14,359	13,890	80	82	27.451	147,616	630,353	4,270	3,801
31	33	97.224	12.834,222	183.223,530	14,276	13,807	81	83	23.769	119,733	482,737	4,032	3,563
32	34	97.109	12.008,396	170.389,307	14,189	13,720	82	84	20.254	95,576	363,004	3,798	3,329
33	35	96.983	11.234,598	158.380,911	14,098	13,628	83	85	16.878	74,609	267,429	3,584	3,115
34	36	96.849	10.509,598	147.146,313	14,001	13,532	84	86	13.842	57,320	192,820	3,364	2,895
35	37	96.702	9.830,092	136.636,715	13,900	13,431	85	87	11.074	42,958	135,501	3,154	2,685
36	38	96.541	9.193,240	126.806,622	13,793	13,324	86	88	8.634	31,373	92,543	2,950	2,481
37	39	96.365	8.596,196	117.613,382	13,682	13,213	87	89	6.505	22,143	61,170	2,763	2,293
38	40	96.171	8.036,477	109.017,187	13,565	13,096	88	90	4.709	15,015	39,027	2,599	2,130
39	41	95.955	7.511,402	100.980,710	13,444	12,975	89	91	3.287	9,819	24,012	2,445	1,976
40	42	95.713	7.018,652	93.469,308	13,317	12,848	90	92	2.191	6,130	14,193	2,315	1,846
41	43	95.440	6.556,145	86.450,656	13,186	12,717	91	93	1.403	3,678	8,063	2,192	1,723
42	44	95.135	6.121,964	79.894,512	13,050	12,581	92	94	857	2,105	4,385	2,083	1,614
43	45	94.793	5.714,247	73.772,548	12,910	12,441	93	95	500	1,149	2,280	1,983	1,514
44	46	94.409	5.331,204	68.058,301	12,766	12,297	94	96	277	0,597	1,130	1,893	1,424
45	47	93.986	4.971,759	62.727,097	12,617	12,148	95	97	146	0,295	0,533	1,810	1,341
46	48	93.515	4.634,025	57.755,338	12,463	11,994	96	98	73	0,138	0,239	1,735	1,266
47	49	93.000	4.317,101	53.121,314	12,305	11,836	97	99	34	0,061	0,101	1,667	1,197
48	50	92.428	4.019,269	48.804,212	12,143	11,673	98	100	15	0,025	0,040	1,604	1,135
49	51	91.818	3.740,278	44.784,944	11,974	11,505	99	101	6	0,010	0,015	1,548	1,078
							100	102	2	0,004	0,005	1,496	1,027

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -3 Jahre

Zinsfuß 6,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	3	99.565	99.564,939	1.538.514,115	15,452	14,983	50	53	90.877	3.467,844	40.666,325	11,727	11,258
1	4	99.094	92.827,805	1.438.949,176	15,501	15,032	51	54	90.141	3.222,261	37.198,481	11,544	11,075
2	5	99.041	86.911,774	1.346.121,371	15,488	15,019	52	55	89.362	2.992,429	33.976,220	11,354	10,885
3	6	99.008	81.389,149	1.259.209,597	15,471	15,002	53	56	88.502	2.776,218	30.983,791	11,160	10,691
4	7	98.981	76.221,830	1.177.820,448	15,453	14,983	54	57	87.592	2.573,951	28.207,572	10,959	10,490
5	8	98.959	71.386,390	1.101.598,617	15,431	14,962	55	58	86.609	2.384,135	25.633,621	10,752	10,283
6	9	98.936	66.856,921	1.030.212,227	15,409	14,940	56	59	85.547	2.205,989	23.249,486	10,539	10,070
7	10	98.918	62.618,088	963.355,306	15,385	14,915	57	60	84.446	2.039,894	21.043,497	10,316	9,847
8	11	98.897	58.646,455	900.737,218	15,359	14,890	58	61	83.254	1.883,945	19.003,604	10,087	9,618
9	12	98.876	54.926,448	842.090,763	15,331	14,862	59	62	81.997	1.738,165	17.119,658	9,849	9,380
10	13	98.859	51.444,162	787.164,315	15,301	14,832	60	63	80.624	1.601,004	15.381,494	9,607	9,138
11	14	98.840	48.182,056	735.720,153	15,270	14,800	61	64	79.174	1.472,798	13.780,490	9,357	8,888
12	15	98.814	45.123,636	687.538,098	15,237	14,768	62	65	77.651	1.353,131	12.307,692	9,096	8,627
13	16	98.783	42.257,313	642.414,462	15,202	14,733	63	66	75.980	1.240,283	10.954,561	8,832	8,363
14	17	98.750	39.571,790	600.157,149	15,166	14,697	64	67	74.204	1.134,697	9.714,279	8,561	8,092
15	18	98.710	37.054,599	560.585,359	15,129	14,660	65	68	72.290	1.035,538	8.579,582	8,285	7,816
16	19	98.658	34.693,400	523.530,759	15,090	14,621	66	69	70.212	942,170	7.544,043	8,007	7,538
17	20	98.593	32.478,219	488.837,359	15,051	14,582	67	70	67.990	854,662	6.601,874	7,725	7,255
18	21	98.512	30.399,535	456.359,141	15,012	14,543	68	71	65.588	772,335	5.747,212	7,441	6,972
19	22	98.413	28.448,754	425.959,606	14,973	14,504	69	72	62.999	694,943	4.974,877	7,159	6,690
20	23	98.307	26.621,213	397.510,852	14,932	14,463	70	73	60.270	622,801	4.279,934	6,872	6,403
21	24	98.207	24.912,443	370.889,639	14,888	14,419	71	74	57.358	555,236	3.657,133	6,587	6,118
22	25	98.103	23.312,550	345.977,196	14,841	14,372	72	75	54.288	492,282	3.101,898	6,301	5,832
23	26	98.005	21.816,619	322.664,646	14,790	14,321	73	76	51.018	433,383	2.609,616	6,021	5,552
24	27	97.905	20.416,249	300.848,027	14,736	14,267	74	77	47.620	378,937	2.176,233	5,743	5,274
25	28	97.806	19.105,845	280.431,778	14,678	14,209	75	78	44.115	328,848	1.797,296	5,465	4,996
26	29	97.705	17.879,347	261.325,933	14,616	14,147	76	79	40.516	282,922	1.468,448	5,190	4,721
27	30	97.607	16.731,925	243.446,587	14,550	14,081	77	80	36.875	241,218	1.185,526	4,915	4,446
28	31	97.505	15.657,597	226.714,661	14,480	14,010	78	81	33.159	203,192	944,309	4,647	4,178
29	32	97.398	14.651,522	211.057,064	14,405	13,936	79	82	29.410	168,823	741,117	4,390	3,921
30	33	97.295	13.710,549	196.405,542	14,325	13,856	80	83	25.677	138,077	572,294	4,145	3,676
31	34	97.185	12.829,094	182.694,993	14,241	13,772	81	84	22.066	111,153	434,218	3,906	3,437
32	35	97.063	12.002,767	169.865,899	14,152	13,683	82	85	18.626	87,895	323,065	3,676	3,206
33	36	96.934	11.228,846	157.863,133	14,059	13,590	83	86	15.413	68,131	235,170	3,452	2,983
34	37	96.794	10.503,656	146.634,287	13,960	13,491	84	87	12.447	51,541	167,039	3,241	2,772
35	38	96.642	9.824,065	136.130,631	13,857	13,388	85	88	9.769	37,894	115,498	3,048	2,579
36	39	96.474	9.186,809	126.306,566	13,749	13,280	86	89	7.498	27,247	77,604	2,848	2,379
37	40	96.288	8.589,316	117.119,757	13,636	13,166	87	90	5.541	18,861	50,357	2,670	2,201
38	41	96.088	8.029,485	108.530,441	13,516	13,047	88	91	3.939	12,560	31,497	2,508	2,038
39	42	95.860	7.503,977	100.500,955	13,393	12,924	89	92	2.671	7,979	18,936	2,373	1,904
40	43	95.605	7.010,758	92.996,979	13,265	12,796	90	93	1.741	4,871	10,957	2,249	1,780
41	44	95.316	6.547,635	85.986,221	13,132	12,663	91	94	1.089	2,854	6,086	2,132	1,663
42	45	95.003	6.113,442	79.438,586	12,994	12,525	92	95	649	1,593	3,232	2,029	1,559
43	46	94.643	5.705,184	73.325,144	12,852	12,383	93	96	368	0,847	1,639	1,934	1,465
44	47	94.239	5.321,629	67.619,961	12,707	12,237	94	97	199	0,428	0,791	1,848	1,379
45	48	93.804	4.962,090	62.298,331	12,555	12,086	95	98	102	0,205	0,363	1,769	1,300
46	49	93.317	4.624,201	57.336,241	12,399	11,930	96	99	49	0,093	0,158	1,698	1,229
47	50	92.776	4.306,711	52.712,040	12,240	11,770	97	100	22	0,040	0,065	1,633	1,164
48	51	92.195	4.009,114	48.405,329	12,074	11,605	98	101	10	0,016	0,025	1,573	1,104
49	52	91.563	3.729,890	44.396,215	11,903	11,434	99	102	4	0,006	0,009	1,519	1,050
							100	103	1	0,002	0,003	1,470	1,001

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -4 Jahre

Zinsfuß 6,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	4	99.548	99.547,849	1.537.712,939	15,447	14,978	50	54	90.590	3.456,894	40.258,960	11,646	11,177
1	5	99.081	92.815,816	1.438.165,090	15,495	15,026	51	55	89.828	3.211,054	36.802,066	11,461	10,992
2	6	99.028	86.900,413	1.345.349,275	15,482	15,012	52	56	89.024	2.981,097	33.591,012	11,268	10,799
3	7	98.999	81.381,650	1.258.448,862	15,464	14,994	53	57	88.146	2.765,073	30.609,915	11,070	10,601
4	8	98.972	76.215,192	1.177.067,212	15,444	14,975	54	58	87.201	2.562,463	27.844,843	10,866	10,397
5	9	98.949	71.379,538	1.100.852,020	15,423	14,953	55	59	86.192	2.372,654	25.282,380	10,656	10,187
6	10	98.929	66.852,601	1.029.472,482	15,399	14,930	56	60	85.112	2.194,774	22.909,726	10,438	9,969
7	11	98.910	62.612,822	962.619,882	15,374	14,905	57	61	83.981	2.028,665	20.714,951	10,211	9,742
8	12	98.888	58.640,956	900.007,059	15,348	14,879	58	62	82.786	1.873,344	18.686,286	9,975	9,506
9	13	98.868	54.921,783	841.366,104	15,319	14,850	59	63	81.481	1.727,227	16.812,942	9,734	9,265
10	14	98.849	51.439,178	786.444,321	15,289	14,820	60	64	80.076	1.590,114	15.085,715	9,487	9,018
11	15	98.828	48.176,441	735.005,143	15,257	14,787	61	65	78.595	1.462,028	13.495,602	9,231	8,762
12	16	98.796	45.115,573	686.828,702	15,224	14,755	62	66	77.017	1.342,079	12.033,574	8,966	8,497
13	17	98.763	42.248,364	641.713,128	15,189	14,720	63	67	75.292	1.229,050	10.691,495	8,699	8,230
14	18	98.728	39.563,084	599.464,764	15,152	14,683	64	68	73.449	1.123,163	9.462,445	8,425	7,956
15	19	98.681	37.043,943	559.901,681	15,115	14,645	65	69	71.463	1.023,694	8.339,282	8,146	7,677
16	20	98.631	34.683,783	522.857,738	15,075	14,606	66	70	69.316	930,149	7.315,588	7,865	7,396
17	21	98.562	32.467,960	488.173,955	15,036	14,566	67	71	67.023	842,514	6.385,438	7,579	7,110
18	22	98.488	30.392,097	455.705,995	14,994	14,525	68	72	64.524	759,813	5.542,924	7,295	6,826
19	23	98.386	28.441,051	425.313,898	14,954	14,485	69	73	61.863	682,414	4.783,111	7,009	6,540
20	24	98.282	26.614,267	396.872,847	14,912	14,443	70	74	59.042	610,113	4.100,697	6,721	6,252
21	25	98.180	24.905,675	370.258,579	14,866	14,397	71	75	56.053	542,597	3.490,584	6,433	5,964
22	26	98.079	23.306,813	345.352,904	14,818	14,349	72	76	52.880	479,518	2.947,987	6,148	5,679
23	27	97.978	21.810,511	322.046,091	14,766	14,297	73	77	49.542	420,837	2.468,469	5,866	5,396
24	28	97.877	20.410,299	300.235,579	14,710	14,241	74	78	46.071	366,609	2.047,631	5,585	5,116
25	29	97.776	19.100,174	279.825,280	14,650	14,181	75	79	42.480	316,660	1.681,022	5,309	4,839
26	30	97.676	17.874,113	260.725,107	14,587	14,118	76	80	38.812	271,020	1.364,362	5,034	4,565
27	31	97.575	16.726,447	242.850,993	14,519	14,050	77	81	35.079	229,467	1.093,342	4,765	4,296
28	32	97.470	15.652,004	226.124,546	14,447	13,978	78	82	31.311	191,865	863,875	4,503	4,033
29	33	97.364	14.646,312	210.472,542	14,370	13,901	79	83	27.509	157,913	672,010	4,256	3,786
30	34	97.256	13.705,070	195.826,230	14,289	13,819	80	84	23.837	128,182	514,097	4,011	3,542
31	35	97.140	12.823,079	182.121,160	14,203	13,733	81	85	20.293	102,221	385,915	3,775	3,306
32	36	97.013	11.996,622	169.298,080	14,112	13,643	82	86	17.009	80,263	283,695	3,535	3,065
33	37	96.879	11.222,497	157.301,459	14,017	13,547	83	87	13.859	61,262	203,431	3,321	2,852
34	38	96.735	10.497,215	146.078,962	13,916	13,447	84	88	10.980	45,465	142,169	3,127	2,658
35	39	96.575	9.817,192	135.581,747	13,811	13,342	85	89	8.484	32,910	96,703	2,938	2,469
36	40	96.396	9.179,457	125.764,555	13,701	13,232	86	90	6.387	23,208	63,793	2,749	2,280
37	41	96.204	8.581,844	116.585,097	13,585	13,116	87	91	4.635	15,778	40,585	2,572	2,103
38	42	95.993	8.021,548	108.003,254	13,464	12,995	88	92	3.201	10,207	24,808	2,431	1,961
39	43	95.753	7.495,537	99.981,705	13,339	12,870	89	93	2.122	6,340	14,601	2,303	1,834
40	44	95.481	7.001,658	92.486,168	13,209	12,740	90	94	1.351	3,780	8,261	2,185	1,716
41	45	95.184	6.538,520	85.484,510	13,074	12,605	91	95	824	2,160	4,481	2,074	1,605
42	46	94.852	6.103,746	78.945,990	12,934	12,465	92	96	478	1,175	2,320	1,976	1,507
43	47	94.473	5.694,937	72.842,244	12,791	12,322	93	97	264	0,608	1,146	1,886	1,417
44	48	94.056	5.311,281	67.147,307	12,642	12,173	94	98	138	0,298	0,538	1,804	1,335
45	49	93.605	4.951,571	61.836,026	12,488	12,019	95	99	69	0,139	0,240	1,730	1,260
46	50	93.092	4.613,072	56.884,455	12,331	11,862	96	100	32	0,061	0,101	1,662	1,193
47	51	92.542	4.295,830	52.271,383	12,168	11,699	97	101	14	0,025	0,040	1,600	1,131
48	52	91.939	3.997,979	47.975,553	12,000	11,531	98	102	6	0,010	0,015	1,544	1,075
49	53	91.287	3.718,614	43.977,574	11,826	11,357	99	103	2	0,004	0,005	1,492	1,023
							100	104	1	0,001	0,002	1,446	0,977

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -5 Jahre

Zinsfuß 6,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	5	99.535	99.534,992	1.536.860,053	15,440	14,971	50	55	90.275	3.444,870	39.820,482	11,559	11,090
1	6	99.068	92.803,682	1.437.325,061	15,488	15,019	51	56	89.487	3.198,894	36.375,612	11,371	10,902
2	7	99.019	86.892,405	1.344.521,379	15,473	15,004	52	57	88.666	2.969,129	33.176,718	11,174	10,705
3	8	98.990	81.374,562	1.257.628,973	15,455	14,986	53	58	87.753	2.752,732	30.207,590	10,974	10,505
4	9	98.963	76.207,876	1.176.254,411	15,435	14,966	54	59	86.781	2.550,123	27.454,858	10,766	10,297
5	10	98.943	71.374,925	1.100.046,535	15,412	14,943	55	60	85.754	2.360,592	24.904,734	10,550	10,081
6	11	98.921	66.846,979	1.028.671,610	15,388	14,919	56	61	84.644	2.182,694	22.544,143	10,329	9,859
7	12	98.900	62.606,951	961.824,631	15,363	14,894	57	62	83.508	2.017,249	20.361,449	10,094	9,625
8	13	98.880	58.635,975	899.217,680	15,336	14,866	58	63	82.265	1.861,555	18.344,200	9,854	9,385
9	14	98.858	54.916,461	840.581,705	15,307	14,837	59	64	80.926	1.715,478	16.482,644	9,608	9,139
10	15	98.838	51.433,184	785.665,244	15,275	14,806	60	65	79.490	1.578,486	14.767,166	9,355	8,886
11	16	98.811	48.167,833	734.232,060	15,243	14,774	61	66	77.953	1.450,087	13.188,680	9,095	8,626
12	17	98.775	45.106,019	686.064,226	15,210	14,741	62	67	76.320	1.329,924	11.738,594	8,827	8,357
13	18	98.741	42.239,069	640.958,207	15,175	14,705	63	68	74.526	1.216,557	10.408,669	8,556	8,087
14	19	98.700	39.551,706	598.719,139	15,138	14,669	64	69	72.609	1.110,316	9.192,113	8,279	7,810
15	20	98.654	37.033,674	559.167,433	15,099	14,630	65	70	70.552	1.010,634	8.081,796	7,997	7,528
16	21	98.600	34.672,828	522.133,759	15,059	14,590	66	71	68.331	916,929	7.071,162	7,712	7,243
17	22	98.538	32.460,016	487.460,931	15,017	14,548	67	72	65.937	828,855	6.154,234	7,425	6,956
18	23	98.461	30.383,869	455.000,915	14,975	14,506	68	73	63.361	746,115	5.325,379	7,137	6,668
19	24	98.361	28.433,631	424.617,046	14,934	14,464	69	74	60.603	668,511	4.579,264	6,850	6,381
20	25	98.255	26.607,037	396.183,416	14,890	14,421	70	75	57.698	596,226	3.910,753	6,559	6,090
21	26	98.156	24.899,547	369.576,379	14,843	14,374	71	76	54.600	528,529	3.314,527	6,271	5,802
22	27	98.052	23.300,289	344.676,832	14,793	14,324	72	77	51.349	465,637	2.785,998	5,983	5,514
23	28	97.949	21.804,155	321.376,543	14,739	14,270	73	78	47.930	407,147	2.320,361	5,699	5,230
24	29	97.847	20.404,240	299.572,388	14,682	14,213	74	79	44.363	353,022	1.913,214	5,420	4,950
25	30	97.748	19.094,583	279.168,148	14,620	14,151	75	80	40.693	303,339	1.560,192	5,143	4,674
26	31	97.644	17.868,261	260.073,565	14,555	14,086	76	81	36.921	257,818	1.256,853	4,875	4,406
27	32	97.540	16.720,472	242.205,304	14,486	14,016	77	82	33.124	216,676	999,035	4,611	4,142
28	33	97.435	15.646,439	225.484,832	14,411	13,942	78	83	29.287	179,466	782,360	4,359	3,890
29	34	97.325	14.640,460	209.838,393	14,333	13,864	79	84	25.538	146,597	602,894	4,113	3,643
30	35	97.211	13.698,645	195.197,933	14,249	13,780	80	85	21.922	117,881	456,297	3,871	3,402
31	36	97.090	12.816,515	181.499,288	14,161	13,692	81	86	18.531	93,345	338,416	3,625	3,156
32	37	96.958	11.989,838	168.682,773	14,069	13,600	82	87	15.294	72,172	245,070	3,396	2,927
33	38	96.820	11.215,615	156.692,935	13,971	13,502	83	88	12.225	54,041	172,899	3,199	2,730
34	39	96.667	10.489,872	145.477,320	13,868	13,399	84	89	9.535	39,485	118,858	3,010	2,541
35	40	96.497	9.809,336	134.987,449	13,761	13,292	85	90	7.226	28,032	79,372	2,831	2,362
36	41	96.313	9.171,471	125.178,112	13,649	13,180	86	91	5.343	19,414	51,340	2,644	2,175
37	42	96.109	8.573,361	116.006,641	13,531	13,062	87	92	3.766	12,821	31,926	2,490	2,021
38	43	95.885	8.012,527	107.433,280	13,408	12,939	88	93	2.543	8,110	19,105	2,356	1,887
39	44	95.628	7.485,808	99.420,754	13,281	12,812	89	94	1.647	4,920	10,995	2,235	1,766
40	45	95.348	6.991,912	91.934,946	13,149	12,680	90	95	1.022	2,861	6,075	2,123	1,654
41	46	95.033	6.528,150	84.943,034	13,012	12,543	91	96	608	1,593	3,214	2,018	1,549
42	47	94.682	6.092,784	78.414,884	12,870	12,401	92	97	343	0,842	1,621	1,925	1,455
43	48	94.289	5.683,863	72.322,101	12,724	12,255	93	98	184	0,423	0,779	1,839	1,370
44	49	93.857	5.300,021	66.638,238	12,573	12,104	94	99	94	0,202	0,355	1,762	1,293
45	50	93.379	4.939,654	61.338,217	12,418	11,948	95	100	45	0,091	0,154	1,691	1,222
46	51	92.857	4.601,416	56.398,563	12,257	11,788	96	101	20	0,039	0,063	1,627	1,158
47	52	92.285	4.283,899	51.797,146	12,091	11,622	97	102	9	0,015	0,024	1,568	1,099
48	53	91.661	3.985,893	47.513,247	11,920	11,451	98	103	3	0,006	0,009	1,515	1,046
49	54	90.998	3.706,872	43.527,355	11,742	11,273	99	104	1	0,002	0,003	1,466	0,997
							100	105	0	0,001	0,001	1,422	0,953

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -6 Jahre

Zinsfuß 6,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	6	99.522	99.521,980	1.535.946,857	15,433	14,964	50	56	89.933	3.431,825	39.349,389	11,466	10,997
1	7	99.059	92.795,131	1.436.424,877	15,480	15,010	51	57	89.128	3.186,051	35.917,564	11,273	10,804
2	8	99.010	86.884,838	1.343.629,746	15,464	14,995	52	58	88.271	2.955,877	32.731,513	11,073	10,604
3	9	98.981	81.366,751	1.256.744,908	15,445	14,976	53	59	87.330	2.739,476	29.775,636	10,869	10,400
4	10	98.956	76.202,952	1.175.378,157	15,424	14,955	54	60	86.340	2.537,159	27.036,160	10,656	10,187
5	11	98.935	71.368,923	1.099.175,205	15,401	14,932	55	61	85.282	2.347,598	24.499,001	10,436	9,967
6	12	98.912	66.840,710	1.027.806,282	15,377	14,908	56	62	84.167	2.170,411	22.151,403	10,206	9,737
7	13	98.892	62.601,633	960.965,572	15,350	14,881	57	63	82.983	2.004,555	19.980,992	9,968	9,499
8	14	98.870	58.630,294	898.363,938	15,323	14,853	58	64	81.705	1.848,893	17.976,437	9,723	9,254
9	15	98.847	54.910,062	839.733,644	15,293	14,824	59	65	80.335	1.702,933	16.127,543	9,470	9,001
10	16	98.820	51.423,994	784.823,582	15,262	14,793	60	66	78.841	1.565,594	14.424,610	9,214	8,744
11	17	98.790	48.157,633	733.399,588	15,229	14,760	61	67	77.247	1.436,954	12.859,016	8,949	8,480
12	18	98.754	45.096,095	685.241,955	15,195	14,726	62	68	75.544	1.316,406	11.422,062	8,677	8,208
13	19	98.712	42.226,921	640.145,860	15,160	14,691	63	69	73.674	1.202,642	10.105,657	8,403	7,934
14	20	98.672	39.540,742	597.918,939	15,122	14,652	64	70	71.683	1.096,151	8.903,015	8,122	7,653
15	21	98.623	37.021,977	558.378,197	15,082	14,613	65	71	69.549	996,269	7.806,864	7,836	7,367
16	22	98.576	34.664,344	521.356,221	15,040	14,571	66	72	67.223	902,063	6.810,595	7,550	7,081
17	23	98.511	32.451,228	486.691,876	14,998	14,529	67	73	64.748	813,911	5.908,531	7,259	6,790
18	24	98.435	30.375,941	454.240,649	14,954	14,485	68	74	62.070	730,914	5.094,620	6,970	6,501
19	25	98.334	28.425,906	423.864,707	14,911	14,442	69	75	59.223	653,295	4.363,706	6,680	6,210
20	26	98.231	26.600,490	395.438,801	14,866	14,397	70	76	56.202	580,767	3.710,411	6,389	5,920
21	27	98.129	24.892,576	368.838,311	14,817	14,348	71	77	53.019	513,229	3.129,643	6,098	5,629
22	28	98.023	23.293,498	343.945,735	14,766	14,297	72	78	49.679	450,488	2.616,414	5,808	5,339
23	29	97.920	21.797,683	320.652,237	14,710	14,241	73	79	46.153	392,057	2.165,926	5,525	5,055
24	30	97.819	20.398,268	298.854,554	14,651	14,182	74	80	42.497	338,172	1.773,869	5,245	4,776
25	31	97.716	19.088,331	278.456,286	14,588	14,119	75	81	38.711	288,562	1.435,697	4,975	4,506
26	32	97.610	17.861,878	259.367,955	14,521	14,052	76	82	34.863	243,446	1.147,135	4,712	4,243
27	33	97.505	16.714,527	241.506,077	14,449	13,980	77	83	30.983	202,673	903,689	4,459	3,990
28	34	97.396	15.640,187	224.791,550	14,373	13,904	78	84	27.188	166,606	701,016	4,208	3,739
29	35	97.279	14.633,596	209.151,363	14,293	13,823	79	85	23.486	134,816	534,410	3,964	3,495
30	36	97.161	13.691,632	194.517,767	14,207	13,738	80	86	20.018	107,646	399,594	3,712	3,243
31	37	97.035	12.809,267	180.826,135	14,117	13,648	81	87	16.663	83,935	291,948	3,478	3,009
32	38	96.899	11.982,486	168.016,868	14,022	13,553	82	88	13.492	63,664	208,013	3,267	2,798
33	39	96.752	11.207,770	156.034,382	13,922	13,453	83	89	10.617	46,933	144,349	3,076	2,607
34	40	96.590	10.481,477	144.826,613	13,817	13,348	84	90	8.122	33,633	97,416	2,896	2,427
35	41	96.413	9.800,802	134.345,136	13,708	13,238	85	91	6.045	23,450	63,783	2,720	2,251
36	42	96.217	9.162,405	124.544,333	13,593	13,124	86	92	4.341	15,776	40,333	2,557	2,087
37	43	96.001	8.563,719	115.381,928	13,473	13,004	87	93	2.993	10,188	24,557	2,410	1,941
38	44	95.760	8.002,126	106.818,209	13,349	12,880	88	94	1.974	6,294	14,369	2,283	1,814
39	45	95.495	7.475,387	98.816,083	13,219	12,750	89	95	1.247	3,724	8,076	2,169	1,700
40	46	95.197	6.980,822	91.340,696	13,085	12,615	90	96	754	2,109	4,352	2,063	1,594
41	47	94.862	6.516,426	84.359,873	12,946	12,477	91	97	436	1,142	2,243	1,964	1,494
42	48	94.498	6.080,935	77.843,447	12,801	12,332	92	98	239	0,587	1,101	1,875	1,406
43	49	94.089	5.671,813	71.762,512	12,652	12,183	93	99	124	0,286	0,514	1,795	1,326
44	50	93.631	5.287,266	66.090,699	12,500	12,031	94	100	61	0,132	0,227	1,721	1,252
45	51	93.144	4.927,173	60.803,433	12,340	11,871	95	101	29	0,058	0,095	1,654	1,185
46	52	92.599	4.588,637	55.876,260	12,177	11,708	96	102	13	0,024	0,038	1,593	1,124
47	53	92.006	4.270,948	51.287,623	12,008	11,539	97	103	5	0,009	0,014	1,538	1,069
48	54	91.371	3.973,307	47.016,675	11,833	11,364	98	104	2	0,003	0,005	1,487	1,018
49	55	90.682	3.693,979	43.043,368	11,652	11,183	99	105	1	0,001	0,002	1,441	0,972
							100	106					

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -7 Jahre

Zinsfuß 6,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	7	99.513	99.512,810	1.534.968,917	15,425	14,956	50	57	89.572	3.418,047	38.844,071	11,364	10,895
1	8	99.050	92.787,049	1.435.456,108	15,470	15,001	51	58	88.730	3.171,832	35.426,024	11,169	10,700
2	9	99.001	86.876,498	1.342.669,058	15,455	14,986	52	59	87.846	2.941,643	32.254,192	10,965	10,496
3	10	98.974	81.361,493	1.255.792,560	15,435	14,966	53	60	86.886	2.725,549	29.312,549	10,755	10,286
4	11	98.948	76.196,544	1.174.431,067	15,413	14,944	54	61	85.865	2.523,194	26.587,000	10,537	10,068
5	12	98.925	71.362,230	1.098.234,523	15,390	14,920	55	62	84.802	2.334,388	24.063,807	10,308	9,839
6	13	98.903	66.835,033	1.026.872,293	15,364	14,895	56	63	83.638	2.156,753	21.729,419	10,075	9,606
7	14	98.882	62.595,568	960.037,260	15,337	14,868	57	64	82.418	1.990,920	19.572,666	9,831	9,362
8	15	98.859	58.623,462	897.441,692	15,309	14,839	58	65	81.108	1.835,373	17.581,746	9,579	9,110
9	16	98.829	54.900,252	838.818,230	15,279	14,810	59	66	79.679	1.689,025	15.746,373	9,323	8,854
10	17	98.799	51.413,104	783.917,978	15,247	14,778	60	67	78.127	1.551,415	14.057,348	9,061	8,592
11	18	98.768	48.147,037	732.504,874	15,214	14,745	61	68	76.462	1.422,347	12.505,934	8,792	8,323
12	19	98.725	45.083,126	684.357,837	15,180	14,711	62	69	74.680	1.301,349	11.083,586	8,517	8,048
13	20	98.685	42.215,215	639.274,711	15,143	14,674	63	70	72.734	1.187,299	9.782,237	8,239	7,770
14	21	98.641	39.528,253	597.059,496	15,105	14,635	64	71	70.664	1.080,571	8.594,938	7,954	7,485
15	22	98.599	37.012,918	557.531,243	15,063	14,594	65	72	68.421	980,117	7.514,368	7,667	7,198
16	23	98.549	34.654,959	520.518,325	15,020	14,551	66	73	66.011	885,800	6.534,250	7,377	6,908
17	24	98.485	32.442,761	485.863,366	14,976	14,507	67	74	63.429	797,330	5.648,451	7,084	6,615
18	25	98.409	30.367,689	453.420,604	14,931	14,462	68	75	60.657	714,278	4.851,120	6,792	6,323
19	26	98.310	28.418,911	423.052,916	14,886	14,417	69	76	57.688	636,356	4.136,843	6,501	6,032
20	27	98.203	26.593,043	394.634,004	14,840	14,371	70	77	54.575	563,955	3.500,486	6,207	5,738
21	28	98.100	24.885,322	368.040,962	14,789	14,320	71	78	51.294	496,533	2.936,531	5,914	5,445
22	29	97.994	23.286,584	343.155,640	14,736	14,267	72	79	47.838	433,792	2.439,999	5,625	5,156
23	30	97.891	21.791,303	319.869,056	14,679	14,210	73	80	44.212	375,565	2.006,206	5,342	4,873
24	31	97.787	20.391,589	298.077,753	14,618	14,149	74	81	40.427	321,698	1.630,642	5,069	4,600
25	32	97.681	19.081,513	277.686,164	14,553	14,084	75	82	36.553	272,477	1.308,944	4,804	4,335
26	33	97.575	17.855,527	258.604,651	14,483	14,014	76	83	32.610	227,713	1.036,467	4,552	4,083
27	34	97.466	16.707,848	240.749,124	14,409	13,940	77	84	28.763	188,150	808,754	4,298	3,829
28	35	97.351	15.632,854	224.041,276	14,331	13,862	78	85	25.004	153,217	620,604	4,050	3,581
29	36	97.229	14.626,104	208.408,422	14,249	13,780	79	86	21.447	123,111	467,387	3,796	3,327
30	37	97.106	13.683,890	193.782,318	14,161	13,692	80	87	18.000	96,794	344,276	3,557	3,088
31	38	96.976	12.801,413	180.098,428	14,069	13,600	81	88	14.698	74,041	247,482	3,343	2,873
32	39	96.831	11.974,104	167.297,015	13,972	13,502	82	89	11.717	55,291	173,441	3,137	2,668
33	40	96.674	11.198,800	155.322,911	13,870	13,400	83	90	9.044	39,976	118,151	2,956	2,486
34	41	96.506	10.472,358	144.124,111	13,762	13,293	84	91	6.794	28,135	78,174	2,779	2,309
35	42	96.318	9.791,114	133.651,753	13,650	13,181	85	92	4.912	19,055	50,039	2,626	2,157
36	43	96.109	9.152,101	123.860,638	13,534	13,064	86	93	3.450	12,536	30,984	2,472	2,002
37	44	95.876	8.552,603	114.708,538	13,412	12,943	87	94	2.322	7,906	18,448	2,333	1,864
38	45	95.627	7.990,987	106.155,935	13,284	12,815	88	95	1.494	4,763	10,542	2,213	1,744
39	46	95.344	7.463,531	98.164,948	13,153	12,683	89	96	919	2,745	5,779	2,105	1,636
40	47	95.026	6.968,285	90.701,416	13,016	12,547	90	97	541	1,513	3,034	2,005	1,536
41	48	94.678	6.503,753	83.733,131	12,875	12,405	91	98	304	0,796	1,521	1,911	1,442
42	49	94.297	6.068,044	77.229,378	12,727	12,258	92	99	162	0,397	0,725	1,828	1,359
43	50	93.863	5.658,163	71.161,334	12,577	12,108	93	100	82	0,187	0,328	1,752	1,282
44	51	93.394	5.273,907	65.503,171	12,420	11,951	94	101	39	0,084	0,141	1,682	1,213
45	52	92.885	4.913,489	60.229,264	12,258	11,789	95	102	17	0,035	0,057	1,619	1,150
46	53	92.319	4.574,765	55.315,775	12,092	11,622	96	103	7	0,014	0,022	1,561	1,092
47	54	91.715	4.257,462	50.741,010	11,918	11,449	97	104	3	0,005	0,008	1,508	1,039
48	55	91.054	3.959,487	46.483,548	11,740	11,271	98	105	1	0,002	0,003	1,460	0,991
49	56	90.339	3.679,990	42.524,061	11,555	11,086	99	106					
							100	107					

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -8 Jahre

Zinsfuß 6,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	8	99.504	99.504,143	1.533.917,268	15,416	14,946	50	58	89.172	3.402,792	38.302,551	11,256	10,787
1	9	99.041	92.778,143	1.434.413,125	15,461	14,992	51	59	88.303	3.156,557	34.899,759	11,056	10,587
2	10	98.994	86.870,884	1.341.634,982	15,444	14,975	52	60	87.399	2.926,688	31.743,202	10,846	10,377
3	11	98.966	81.354,652	1.254.764,098	15,423	14,954	53	61	86.408	2.710,547	28.816,514	10,631	10,162
4	12	98.939	76.189,398	1.173.409,447	15,401	14,932	54	62	85.382	2.508,995	26.105,967	10,405	9,936
5	13	98.917	71.356,170	1.097.220,049	15,377	14,908	55	63	84.268	2.319,698	23.596,972	10,172	9,703
6	14	98.894	66.828,558	1.025.863,879	15,351	14,882	56	64	83.069	2.142,083	21.277,274	9,933	9,464
7	15	98.871	62.588,274	959.035,321	15,323	14,854	57	65	81.816	1.976,361	19.135,191	9,682	9,213
8	16	98.841	58.612,988	896.447,047	15,294	14,825	58	66	80.445	1.820,382	17.158,830	9,426	8,957
9	17	98.808	54.888,625	837.834,059	15,264	14,795	59	67	78.957	1.673,728	15.338,448	9,164	8,695
10	18	98.777	51.401,792	782.945,434	15,232	14,763	60	68	77.333	1.535,645	13.664,720	8,898	8,429
11	19	98.740	48.133,190	731.543,642	15,198	14,729	61	69	75.588	1.406,079	12.129,075	8,626	8,157
12	20	98.698	45.070,628	683.410,452	15,163	14,694	62	70	73.727	1.284,746	10.722,996	8,346	7,877
13	21	98.654	42.201,881	638.339,823	15,126	14,657	63	71	71.700	1.170,423	9.438,250	8,064	7,595
14	22	98.617	39.518,581	596.137,942	15,085	14,616	64	72	69.518	1.063,052	8.267,827	7,777	7,308
15	23	98.572	37.002,897	556.619,361	15,043	14,573	65	73	67.188	962,447	7.204,775	7,486	7,017
16	24	98.523	34.645,917	519.616,463	14,998	14,529	66	74	64.666	867,754	6.242,328	7,194	6,725
17	25	98.459	32.433,947	484.970,546	14,953	14,483	67	75	61.985	779,181	5.374,574	6,898	6,429
18	26	98.385	30.360,216	452.536,599	14,906	14,436	68	76	59.085	695,758	4.595,392	6,605	6,136
19	27	98.282	28.410,955	422.176,382	14,860	14,391	69	77	56.018	617,935	3.899,634	6,311	5,842
20	28	98.175	26.585,293	393.765,427	14,811	14,342	70	78	52.800	545,608	3.281,699	6,015	5,546
21	29	98.071	24.877,935	367.180,134	14,759	14,290	71	79	49.393	478,130	2.736,091	5,722	5,253
22	30	97.965	23.279,768	342.302,199	14,704	14,235	72	80	45.825	415,544	2.257,961	5,434	4,965
23	31	97.859	21.784,168	319.022,432	14,645	14,176	73	81	42.058	357,269	1.842,417	5,157	4,688
24	32	97.752	20.384,305	297.238,263	14,582	14,113	74	82	38.173	303,765	1.485,147	4,889	4,420
25	33	97.646	19.074,728	276.853,958	14,514	14,045	75	83	34.191	254,868	1.181,382	4,635	4,166
26	34	97.536	17.848,392	257.779,231	14,443	13,974	76	84	30.273	211,396	926,514	4,383	3,914
27	35	97.420	16.700,015	239.930,838	14,367	13,898	77	85	26.451	173,030	715,118	4,133	3,664
28	36	97.301	15.624,851	223.230,823	14,287	13,818	78	86	22.833	139,914	542,088	3,874	3,405
29	37	97.174	14.617,834	207.605,972	14,202	13,733	79	87	19.284	110,699	402,174	3,633	3,164
30	38	97.046	13.675,499	192.988,138	14,112	13,643	80	88	15.878	85,384	291,475	3,414	2,945
31	39	96.908	12.792,458	179.312,640	14,017	13,548	81	89	12.765	64,302	206,091	3,205	2,736
32	40	96.754	11.964,521	166.520,182	13,918	13,449	82	90	9.980	47,095	141,788	3,011	2,542
33	41	96.590	11.189,058	154.555,661	13,813	13,344	83	91	7.565	33,442	94,693	2,832	2,362
34	42	96.410	10.462,007	143.366,603	13,704	13,234	84	92	5.521	22,863	61,251	2,679	2,210
35	43	96.210	9.780,102	132.904,596	13,589	13,120	85	93	3.903	15,142	38,389	2,535	2,066
36	44	95.984	9.140,221	123.124,494	13,471	13,001	86	94	2.677	9,728	23,247	2,390	1,921
37	45	95.743	8.540,697	113.984,273	13,346	12,877	87	95	1.758	5,984	13,519	2,259	1,790
38	46	95.475	7.978,314	105.443,575	13,216	12,747	88	96	1.101	3,512	7,536	2,146	1,677
39	47	95.172	7.450,127	97.465,262	13,082	12,613	89	97	659	1,969	4,024	2,044	1,575
40	48	94.841	6.954,734	90.015,135	12,943	12,474	90	98	377	1,054	2,055	1,950	1,481
41	49	94.477	6.489,966	83.060,401	12,798	12,329	91	99	205	0,538	1,001	1,861	1,392
42	50	94.070	6.053,440	76.570,435	12,649	12,180	92	100	106	0,260	0,463	1,782	1,313
43	51	93.626	5.643,867	70.516,995	12,494	12,025	93	101	52	0,119	0,203	1,710	1,241
44	52	93.135	5.259,260	64.873,128	12,335	11,866	94	102	24	0,051	0,084	1,644	1,175
45	53	92.604	4.898,635	59.613,868	12,169	11,700	95	103	10	0,021	0,033	1,585	1,115
46	54	92.028	4.560,320	54.715,233	11,998	11,529	96	104	4	0,008	0,012	1,530	1,061
47	55	91.396	4.242,654	50.154,914	11,822	11,352	97	105	2	0,003	0,004	1,480	1,011
48	56	90.709	3.944,493	45.912,260	11,640	11,170	98	106					
49	57	89.976	3.665,216	41.967,767	11,450	10,981	99	107					
							100	108					

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -9 Jahre

Zinsfuß 6,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	9	99.495	99.494,592	1.532.785,947	15,406	14,937	50	59	88.743	3.386,406	37.723,573	11,140	10,671
1	10	99.034	92.772,148	1.433.291,356	15,450	14,980	51	60	87.854	3.140,510	34.337,167	10,934	10,464
2	11	98.986	86.863,579	1.340.519,208	15,432	14,963	52	61	86.918	2.910,579	31.196,658	10,718	10,249
3	12	98.957	81.347,022	1.253.655,629	15,411	14,942	53	62	85.922	2.695,294	28.286,079	10,495	10,025
4	13	98.930	76.182,927	1.172.308,607	15,388	14,919	54	63	84.845	2.493,206	25.590,785	10,264	9,795
5	14	98.907	71.349,256	1.096.125,679	15,363	14,894	55	64	83.695	2.303,919	23.097,579	10,025	9,556
6	15	98.882	66.820,771	1.024.776,424	15,336	14,867	56	65	82.461	2.126,418	20.793,660	9,779	9,310
7	16	98.853	62.577,091	957.955,653	15,308	14,839	57	66	81.147	1.960,220	18.667,241	9,523	9,054
8	17	98.820	58.600,575	895.378,562	15,279	14,810	58	67	79.717	1.803,896	16.707,022	9,262	8,793
9	18	98.787	54.876,549	836.777,987	15,248	14,779	59	68	78.154	1.656,715	14.903,126	8,996	8,526
10	19	98.749	51.387,009	781.901,438	15,216	14,747	60	69	76.448	1.518,081	13.246,411	8,726	8,257
11	20	98.712	48.119,848	730.514,429	15,181	14,712	61	70	74.623	1.388,140	11.728,331	8,449	7,980
12	21	98.667	45.056,392	682.394,581	15,145	14,676	62	71	72.679	1.266,486	10.340,191	8,164	7,695
13	22	98.630	42.191,556	637.338,189	15,106	14,637	63	72	70.538	1.151,448	9.073,705	7,880	7,411
14	23	98.590	39.507,882	595.146,633	15,064	14,595	64	73	68.265	1.043,886	7.922,257	7,589	7,120
15	24	98.546	36.993,243	555.638,751	15,020	14,551	65	74	65.819	942,839	6.878,371	7,295	6,826
16	25	98.496	34.636,505	518.645,508	14,974	14,505	66	75	63.194	848,002	5.935,532	6,999	6,530
17	26	98.434	32.425,966	484.009,003	14,927	14,457	67	76	60.378	758,979	5.087,529	6,703	6,234
18	27	98.357	30.351,717	451.583,036	14,878	14,409	68	77	57.374	675,617	4.328,550	6,407	5,938
19	28	98.254	28.402,675	421.231,320	14,831	14,362	69	78	54.195	597,832	3.652,933	6,110	5,641
20	29	98.145	26.577,401	392.828,644	14,781	14,311	70	79	50.843	525,387	3.055,101	5,815	5,346
21	30	98.042	24.870,653	366.251,243	14,726	14,257	71	80	47.315	458,017	2.529,714	5,523	5,054
22	31	97.933	23.272,146	341.380,590	14,669	14,200	72	81	43.593	395,301	2.071,697	5,241	4,772
23	32	97.824	21.776,387	318.108,444	14,608	14,139	73	82	39.714	337,354	1.676,396	4,969	4,500
24	33	97.717	20.377,057	296.332,057	14,542	14,073	74	83	35.707	284,135	1.339,042	4,713	4,244
25	34	97.607	19.067,106	275.955,000	14,473	14,004	75	84	31.741	236,605	1.054,907	4,459	3,989
26	35	97.490	17.840,025	256.887,895	14,400	13,930	76	85	27.840	194,408	818,303	4,209	3,740
27	36	97.370	16.691,465	239.047,870	14,322	13,852	77	86	24.155	158,007	623,895	3,949	3,479
28	37	97.246	15.616,016	222.356,405	14,239	13,770	78	87	20.531	125,809	465,888	3,703	3,234
29	38	97.115	14.608,870	206.740,389	14,152	13,683	79	88	17.011	97,650	340,079	3,483	3,013
30	39	96.979	13.665,932	192.131,519	14,059	13,590	80	89	13.790	74,154	242,429	3,269	2,800
31	40	96.830	12.782,220	178.465,586	13,962	13,493	81	90	10.873	54,771	168,275	3,072	2,603
32	41	96.670	11.954,113	165.683,366	13,860	13,391	82	91	8.349	39,397	113,504	2,881	2,412
33	42	96.495	11.177,997	153.729,253	13,753	13,284	83	92	6.148	27,175	74,107	2,727	2,258
34	43	96.302	10.450,240	142.551,256	13,641	13,172	84	93	4.387	18,167	46,932	2,583	2,114
35	44	96.085	9.767,408	132.101,016	13,525	13,056	85	94	3.029	11,750	28,765	2,448	1,979
36	45	95.851	9.127,498	122.333,608	13,403	12,934	86	95	2.026	7,363	17,015	2,311	1,842
37	46	95.591	8.527,152	113.206,110	13,276	12,807	87	96	1.296	4,411	9,653	2,188	1,719
38	47	95.304	7.963,985	104.678,958	13,144	12,675	88	97	790	2,518	5,242	2,081	1,612
39	48	94.987	7.435,639	96.714,974	13,007	12,538	89	98	459	1,372	2,723	1,985	1,516
40	49	94.640	6.939,991	89.279,335	12,864	12,395	90	99	255	0,713	1,351	1,897	1,427
41	50	94.250	6.474,346	82.339,344	12,718	12,249	91	100	134	0,352	0,639	1,813	1,344
42	51	93.833	6.038,145	75.864,998	12,564	12,095	92	101	67	0,165	0,286	1,738	1,269
43	52	93.366	5.628,192	69.826,852	12,407	11,937	93	102	32	0,073	0,122	1,670	1,201
44	53	92.853	5.243,360	64.198,660	12,244	11,775	94	103	14	0,030	0,049	1,608	1,139
45	54	92.312	4.883,167	58.955,300	12,073	11,604	95	104	6	0,012	0,018	1,552	1,083
46	55	91.707	4.544,458	54.072,133	11,898	11,429	96	105	2	0,004	0,007	1,500	1,031
47	56	91.050	4.226,587	49.527,675	11,718	11,249	97	106					
48	57	90.345	3.928,657	45.301,088	11,531	11,062	98	107					
49	58	89.574	3.648,858	41.372,431	11,338	10,869	99	108					
							100	109					

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -10 Jahre

Zinsfuß 6,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	10	99.488	99.488,163	1.531.570,144	15,394	14,925	50	60	88.292	3.369,190	37.105,485	11,013	10,544
1	11	99.026	92.764,346	1.432.081,981	15,438	14,969	51	61	87.371	3.123,224	33.736,295	10,802	10,333
2	12	98.977	86.855,433	1.339.317,635	15,420	14,951	52	62	86.429	2.894,200	30.613,072	10,577	10,108
3	13	98.948	81.340,113	1.252.462,202	15,398	14,929	53	63	85.381	2.678,332	27.718,871	10,349	9,880
4	14	98.921	76.175,546	1.171.122,089	15,374	14,905	54	64	84.267	2.476,248	25.040,539	10,112	9,643
5	15	98.896	71.340,942	1.094.946,542	15,348	14,879	55	65	83.083	2.287,071	22.564,291	9,866	9,397
6	16	98.865	66.808,832	1.023.605,601	15,321	14,852	56	66	81.788	2.109,051	20.277,220	9,614	9,145
7	17	98.832	62.563,839	956.796,769	15,293	14,824	57	67	80.412	1.942,467	18.168,169	9,353	8,884
8	18	98.798	58.587,682	894.232,930	15,263	14,794	58	68	78.906	1.785,559	16.225,702	9,087	8,618
9	19	98.758	54.860,767	835.645,248	15,232	14,763	59	69	77.260	1.637,766	14.440,143	8,817	8,348
10	20	98.722	51.372,765	780.784,481	15,198	14,729	60	70	75.473	1.498,713	12.802,377	8,542	8,073
11	21	98.681	48.104,649	729.411,717	15,163	14,694	61	71	73.563	1.368,410	11.303,665	8,260	7,791
12	22	98.643	45.045,368	681.307,068	15,125	14,656	62	72	71.501	1.245,953	9.935,255	7,974	7,505
13	23	98.603	42.180,133	636.261,700	15,084	14,615	63	73	69.266	1.130,688	8.689,302	7,685	7,216
14	24	98.565	39.497,574	594.081,567	15,041	14,572	64	74	66.874	1.022,620	7.558,614	7,391	6,922
15	25	98.520	36.983,193	554.583,993	14,996	14,526	65	75	64.321	921,379	6.535,994	7,094	6,625
16	26	98.472	34.627,982	517.600,800	14,947	14,478	66	76	61.556	826,016	5.614,615	6,797	6,328
17	27	98.407	32.416,888	482.972,818	14,899	14,430	67	77	58.630	737,008	4.788,599	6,497	6,028
18	28	98.328	30.342,871	450.555,929	14,849	14,380	68	78	55.508	653,638	4.051,591	6,199	5,729
19	29	98.225	28.394,245	420.213,058	14,799	14,330	69	79	52.187	575,675	3.397,954	5,903	5,433
20	30	98.117	26.569,622	391.818,813	14,747	14,278	70	80	48.704	503,286	2.822,279	5,608	5,139
21	31	98.010	24.862,510	365.249,191	14,691	14,222	71	81	45.010	435,705	2.318,993	5,322	4,853
22	32	97.898	23.263,833	340.386,681	14,632	14,162	72	82	41.163	373,266	1.883,288	5,045	4,576
23	33	97.790	21.768,643	317.122,848	14,568	14,099	73	83	37.147	315,552	1.510,022	4,785	4,316
24	34	97.678	20.368,915	295.354,205	14,500	14,031	74	84	33.148	263,774	1.194,470	4,528	4,059
25	35	97.561	19.058,167	274.985,290	14,429	13,960	75	85	29.190	217,591	930,696	4,277	3,808
26	36	97.440	17.830,891	255.927,124	14,353	13,884	76	86	25.423	177,528	713,105	4,017	3,548
27	37	97.315	16.682,027	238.096,232	14,273	13,803	77	87	21.720	142,077	535,576	3,770	3,300
28	38	97.186	15.606,440	221.414,205	14,187	13,718	78	88	18.111	110,979	393,499	3,546	3,077
29	39	97.047	14.598,651	205.807,765	14,098	13,629	79	89	14.774	84,807	282,520	3,331	2,862
30	40	96.901	13.654,996	191.209,114	14,003	13,534	80	90	11.746	63,162	197,714	3,130	2,661
31	41	96.746	12.771,100	177.554,118	13,903	13,434	81	91	9.096	45,818	134,551	2,937	2,468
32	42	96.574	11.942,296	164.783,018	13,798	13,329	82	92	6.784	32,014	88,733	2,772	2,303
33	43	96.386	11.165,426	152.840,722	13,689	13,220	83	93	4.885	21,593	56,719	2,627	2,158
34	44	96.177	10.436,676	141.675,296	13,575	13,106	84	94	3.404	14,098	35,126	2,492	2,022
35	45	95.951	9.753,811	131.238,621	13,455	12,986	85	95	2.293	8,893	21,028	2,365	1,895
36	46	95.699	9.113,022	121.484,809	13,331	12,862	86	96	1.494	5,428	12,135	2,236	1,767
37	47	95.419	8.511,837	112.371,788	13,202	12,733	87	97	929	3,164	6,707	2,120	1,651
38	48	95.118	7.948,498	103.859,951	13,067	12,597	88	98	550	1,755	3,543	2,019	1,550
39	49	94.786	7.419,876	95.911,453	12,926	12,457	89	99	310	0,927	1,789	1,929	1,460
40	50	94.412	6.923,288	88.491,577	12,782	12,313	90	100	167	0,467	0,861	1,846	1,376
41	51	94.011	6.457,988	81.568,289	12,631	12,161	91	101	85	0,223	0,395	1,767	1,297
42	52	93.572	6.021,376	75.110,301	12,474	12,005	92	102	41	0,101	0,171	1,696	1,227
43	53	93.084	5.611,177	69.088,925	12,313	11,844	93	103	19	0,043	0,070	1,632	1,163
44	54	92.560	5.226,804	63.477,748	12,145	11,676	94	104	8	0,017	0,027	1,574	1,105
45	55	91.991	4.866,182	58.250,944	11,971	11,501	95	105	3	0,007	0,010	1,520	1,051
46	56	91.360	4.527,249	53.384,762	11,792	11,323	96	106					
47	57	90.685	4.209,619	48.857,513	11,606	11,137	97	107					
48	58	89.941	3.911,123	44.647,894	11,416	10,946	98	108					
49	59	89.143	3.631,286	40.736,771	11,218	10,749	99	109					
							100	110					

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -11 Jahre

Zinsfuß 6,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	11	99.480	99.479,797	1.530.260,479	15,383	14,913	50	61	87.806	3.350,645	36.446,261	10,877	10,408
1	12	99.017	92.755,647	1.430.780,682	15,425	14,956	51	62	86.879	3.105,648	33.095,616	10,657	10,187
2	13	98.968	86.848,056	1.338.025,035	15,407	14,937	52	63	85.885	2.875,987	29.989,968	10,428	9,959
3	14	98.939	81.332,232	1.251.176,979	15,384	14,914	53	64	84.800	2.660,115	27.113,981	10,193	9,724
4	15	98.909	76.166,670	1.169.844,746	15,359	14,890	54	65	83.651	2.458,139	24.453,866	9,948	9,479
5	16	98.878	71.328,195	1.093.678,077	15,333	14,864	55	66	82.405	2.268,392	21.995,726	9,697	9,227
6	17	98.844	66.794,683	1.022.349,881	15,306	14,837	56	67	81.047	2.089,950	19.727,335	9,439	8,970
7	18	98.810	62.550,074	955.555,198	15,277	14,808	57	68	79.595	1.922,721	17.637,384	9,173	8,704
8	19	98.770	58.570,832	893.005,124	15,247	14,777	58	69	78.004	1.765,137	15.714,663	8,903	8,434
9	20	98.731	54.845,559	834.434,292	15,214	14,745	59	70	76.275	1.616,871	13.949,526	8,627	8,158
10	21	98.690	51.356,538	779.588,733	15,180	14,711	60	71	74.400	1.477,411	12.332,655	8,347	7,878
11	22	98.657	48.092,879	728.232,195	15,142	14,673	61	72	72.370	1.346,225	10.855,245	8,063	7,594
12	23	98.616	45.033,173	680.139,316	15,103	14,634	62	73	70.212	1.223,490	9.509,020	7,772	7,303
13	24	98.577	42.169,128	635.106,143	15,061	14,592	63	74	67.855	1.107,653	8.285,530	7,480	7,011
14	25	98.538	39.486,843	592.937,015	15,016	14,547	64	75	65.352	999,343	7.177,877	7,183	6,713
15	26	98.495	36.974,093	553.450,172	14,969	14,499	65	76	62.653	897,490	6.178,534	6,884	6,415
16	27	98.445	34.618,288	516.476,079	14,919	14,450	66	77	59.774	802,104	5.281,044	6,584	6,115
17	28	98.378	32.407,441	481.857,791	14,869	14,400	67	78	56.723	713,031	4.478,940	6,282	5,812
18	29	98.299	30.333,865	449.450,350	14,817	14,348	68	79	53.450	629,412	3.765,909	5,983	5,514
19	30	98.196	28.385,934	419.116,486	14,765	14,296	69	80	49.992	551,459	3.136,496	5,688	5,219
20	31	98.085	26.560,923	390.730,552	14,711	14,242	70	81	46.332	478,769	2.585,038	5,399	4,930
21	32	97.975	24.853,629	364.169,629	14,653	14,183	71	82	42.501	411,417	2.106,269	5,120	4,650
22	33	97.863	23.255,561	339.316,000	14,591	14,122	72	83	38.503	349,144	1.694,852	4,854	4,385
23	34	97.751	21.759,945	316.060,440	14,525	14,056	73	84	34.485	292,941	1.345,708	4,594	4,125
24	35	97.632	20.359,365	294.300,494	14,455	13,986	74	85	30.484	242,577	1.052,768	4,340	3,871
25	36	97.511	19.048,410	273.941,129	14,381	13,912	75	86	26.655	198,699	810,191	4,077	3,608
26	37	97.385	17.820,809	254.892,719	14,303	13,834	76	87	22.860	159,631	611,492	3,831	3,362
27	38	97.256	16.671,797	237.071,911	14,220	13,751	77	88	19.159	125,330	451,861	3,605	3,136
28	39	97.118	15.595,523	220.400,113	14,132	13,663	78	89	15.729	96,382	326,531	3,388	2,919
29	40	96.969	14.586,968	204.804,590	14,040	13,571	79	90	12.584	72,236	230,150	3,186	2,717
30	41	96.817	13.643,117	190.217,622	13,942	13,473	80	91	9.826	52,838	157,913	2,989	2,520
31	42	96.650	12.758,476	176.574,506	13,840	13,371	81	92	7.391	37,232	105,076	2,822	2,353
32	43	96.465	11.928,865	163.816,030	13,733	13,264	82	93	5.391	25,439	67,844	2,667	2,198
33	44	96.261	11.150,933	151.887,165	13,621	13,152	83	94	3.791	16,757	42,405	2,531	2,062
34	45	96.043	10.422,148	140.736,232	13,504	13,034	84	95	2.577	10,670	25,648	2,404	1,935
35	46	95.799	9.738,342	130.314,084	13,382	12,912	85	96	1.690	6,556	14,979	2,285	1,816
36	47	95.527	9.096,655	120.575,742	13,255	12,786	86	97	1.071	3,893	8,422	2,164	1,694
37	48	95.233	8.495,285	111.479,088	13,122	12,653	87	98	648	2,204	4,530	2,055	1,586
38	49	94.917	7.931,647	102.983,803	12,984	12,515	88	99	372	1,186	2,325	1,960	1,491
39	50	94.558	7.402,019	95.052,156	12,841	12,372	89	100	203	0,607	1,139	1,875	1,406
40	51	94.174	6.905,795	87.650,137	12,692	12,223	90	101	106	0,296	0,532	1,797	1,328
41	52	93.750	6.440,053	80.744,342	12,538	12,069	91	102	52	0,137	0,236	1,722	1,253
42	53	93.289	6.003,172	74.304,289	12,378	11,908	92	103	24	0,060	0,099	1,656	1,187
43	54	92.790	5.593,460	68.301,117	12,211	11,742	93	104	11	0,025	0,039	1,596	1,127
44	55	92.238	5.208,624	62.707,657	12,039	11,570	94	105	4	0,009	0,015	1,541	1,072
45	56	91.642	4.847,755	57.499,034	11,861	11,392	95	106					
46	57	90.993	4.509,073	52.651,279	11,677	11,208	96	107					
47	58	90.280	4.190,831	48.142,206	11,488	11,018	97	108					
48	59	89.508	3.892,288	43.951,375	11,292	10,823	98	109					
49	60	88.690	3.612,826	40.059,087	11,088	10,619	99	110					
							100	111					

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -12 Jahre

Zinsfuß 6,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	12	99.470	99.470,467	1.528.852,400	15,370	14,901	50	62	87.312	3.331,790	35.744,332	10,728	10,259
1	13	99.008	92.747,769	1.429.381,933	15,411	14,942	51	63	86.332	3.086,105	32.412,542	10,503	10,034
2	14	98.959	86.839,642	1.336.634,163	15,392	14,923	52	64	85.301	2.856,425	29.326,437	10,267	9,798
3	15	98.927	81.322,755	1.249.794,522	15,368	14,899	53	65	84.180	2.640,662	26.470,012	10,024	9,555
4	16	98.891	76.153,061	1.168.471,766	15,344	14,875	54	66	82.968	2.438,063	23.829,350	9,774	9,305
5	17	98.857	71.313,090	1.092.318,705	15,317	14,848	55	67	81.658	2.247,848	21.391,287	9,516	9,047
6	18	98.822	66.779,987	1.021.005,616	15,289	14,820	56	68	80.223	2.068,706	19.143,439	9,254	8,785
7	19	98.782	62.532,085	954.225,628	15,260	14,791	57	69	78.685	1.900,730	17.074,734	8,983	8,514
8	20	98.742	58.554,596	891.693,543	15,228	14,759	58	70	77.009	1.742,617	15.174,003	8,708	8,238
9	21	98.700	54.828,235	833.138,947	15,195	14,726	59	71	75.191	1.593,889	13.431,386	8,427	7,958
10	22	98.666	51.343,973	778.310,712	15,159	14,690	60	72	73.194	1.453,458	11.837,497	8,144	7,675
11	23	98.630	48.079,858	726.966,739	15,120	14,651	61	73	71.065	1.321,953	10.384,039	7,855	7,386
12	24	98.590	45.021,423	678.886,881	15,079	14,610	62	74	68.781	1.198,564	9.062,085	7,561	7,092
13	25	98.551	42.157,671	633.865,457	15,036	14,566	63	75	66.310	1.082,441	7.863,521	7,265	6,795
14	26	98.514	39.477,127	591.707,786	14,989	14,519	64	76	63.658	973,433	6.781,080	6,966	6,497
15	27	98.468	36.963,741	552.230,659	14,940	14,471	65	77	60.839	871,509	5.807,647	6,664	6,195
16	28	98.416	34.608,199	515.266,918	14,889	14,419	66	78	57.829	776,010	4.936,138	6,361	5,892
17	29	98.349	32.397,822	480.658,719	14,836	14,367	67	79	54.620	686,605	4.160,128	6,059	5,590
18	30	98.270	30.324,986	448.260,897	14,782	14,313	68	80	51.202	602,935	3.473,524	5,761	5,292
19	31	98.164	28.376,640	417.935,911	14,728	14,259	69	81	47.556	524,595	2.870,588	5,472	5,003
20	32	98.050	26.551,435	389.559,271	14,672	14,203	70	82	43.749	452,080	2.345,993	5,189	4,720
21	33	97.940	24.844,792	363.007,836	14,611	14,142	71	83	39.755	384,830	1.893,913	4,921	4,452
22	34	97.824	23.246,268	338.163,045	14,547	14,078	72	84	35.744	324,125	1.509,084	4,656	4,187
23	35	97.705	21.749,744	314.916,777	14,479	14,010	73	85	31.714	269,399	1.184,959	4,399	3,929
24	36	97.582	20.348,942	293.167,033	14,407	13,938	74	86	27.837	221,515	915,559	4,133	3,664
25	37	97.456	19.037,639	272.818,091	14,330	13,861	75	87	23.968	178,667	694,044	3,885	3,415
26	38	97.325	17.809,881	253.780,452	14,249	13,780	76	88	20.165	140,814	515,377	3,660	3,191
27	39	97.188	16.660,135	235.970,571	14,164	13,695	77	89	16.639	108,845	374,563	3,441	2,972
28	40	97.040	15.583,042	219.310,436	14,074	13,605	78	90	13.397	82,096	265,718	3,237	2,768
29	41	96.885	14.574,278	203.727,394	13,979	13,509	79	91	10.527	60,428	183,622	3,039	2,570
30	42	96.721	13.629,630	189.153,116	13,878	13,409	80	92	7.985	42,936	123,194	2,869	2,400
31	43	96.542	12.744,127	175.523,486	13,773	13,304	81	93	5.873	29,585	80,258	2,713	2,244
32	44	96.340	11.913,381	162.779,359	13,664	13,194	82	94	4.183	19,741	50,673	2,567	2,098
33	45	96.127	11.135,411	150.865,978	13,548	13,079	83	95	2.869	12,682	30,932	2,439	1,970
34	46	95.891	10.405,618	139.730,567	13,428	12,959	84	96	1.900	7,866	18,250	2,320	1,851
35	47	95.627	9.720,852	129.324,949	13,304	12,835	85	97	1.212	4,702	10,384	2,208	1,739
36	48	95.341	9.078,965	119.604,097	13,174	12,705	86	98	746	2,712	5,682	2,095	1,626
37	49	95.032	8.477,275	110.525,132	13,038	12,569	87	99	438	1,490	2,970	1,993	1,524
38	50	94.688	7.912,558	102.047,857	12,897	12,428	88	100	244	0,777	1,480	1,904	1,435
39	51	94.319	7.383,316	94.135,299	12,750	12,281	89	101	129	0,385	0,702	1,824	1,355
40	52	93.912	6.886,616	86.751,983	12,597	12,128	90	102	65	0,181	0,317	1,750	1,281
41	53	93.467	6.420,583	79.865,366	12,439	11,970	91	103	31	0,081	0,136	1,680	1,211
42	54	92.995	5.984,217	73.444,783	12,273	11,804	92	104	14	0,034	0,055	1,618	1,149
43	55	92.467	5.574,004	67.460,566	12,103	11,634	93	105	6	0,013	0,021	1,561	1,092
44	56	91.889	5.188,899	61.886,562	11,927	11,458	94	106					
45	57	91.274	4.828,292	56.697,663	11,743	11,274	95	107					
46	58	90.587	4.488,949	51.869,370	11,555	11,086	96	108					
47	59	89.845	4.170,649	47.380,422	11,360	10,891	97	109					
48	60	89.053	3.872,501	43.209,772	11,158	10,689	98	110					
49	61	88.202	3.592,940	39.337,271	10,948	10,479	99	111					
							100	112					

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -13 Jahre

Zinsfuß 6,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	13	99.462	99.462,020	1.527.340,069	15,356	14,887	50	63	86.762	3.310,823	34.996,987	10,570	10,101
1	14	98.999	92.738,783	1.427.878,050	15,397	14,928	51	64	85.745	3.065,114	31.686,164	10,338	9,869
2	15	98.947	86.829,523	1.335.139,267	15,377	14,907	52	65	84.677	2.835,537	28.621,050	10,094	9,625
3	16	98.910	81.308,225	1.248.309,744	15,353	14,884	53	66	83.493	2.619,095	25.785,514	9,845	9,376
4	17	98.871	76.136,934	1.167.001,519	15,328	14,859	54	67	82.217	2.415,982	23.166,419	9,589	9,120
5	18	98.836	71.297,400	1.090.864,585	15,300	14,831	55	68	80.828	2.224,999	20.750,437	9,326	8,857
6	19	98.794	66.760,782	1.019.567,185	15,272	14,803	56	69	79.306	2.045,045	18.525,438	9,059	8,590
7	20	98.755	62.514,751	952.806,404	15,241	14,772	57	70	77.681	1.876,480	16.480,393	8,783	8,313
8	21	98.711	58.536,101	890.291,653	15,209	14,740	58	71	75.914	1.717,848	14.603,913	8,501	8,032
9	22	98.675	54.814,821	831.755,551	15,174	14,705	59	72	73.972	1.568,049	12.886,065	8,218	7,749
10	23	98.639	51.330,072	776.940,731	15,136	14,667	60	73	71.874	1.427,254	11.318,016	7,930	7,461
11	24	98.604	48.067,314	725.610,659	15,096	14,627	61	74	69.617	1.295,022	9.890,762	7,638	7,168
12	25	98.563	45.009,192	677.543,345	15,053	14,584	62	75	67.216	1.171,283	8.595,740	7,339	6,870
13	26	98.526	42.147,298	632.534,153	15,008	14,539	63	76	64.591	1.054,376	7.424,457	7,042	6,572
14	27	98.486	39.466,075	590.386,855	14,959	14,490	64	77	61.815	945,253	6.370,081	6,739	6,270
15	28	98.439	36.952,969	550.920,780	14,909	14,440	65	78	58.860	843,157	5.424,827	6,434	5,965
16	29	98.387	34.597,926	513.967,811	14,855	14,386	66	79	55.686	747,249	4.581,671	6,131	5,662
17	30	98.320	32.388,339	479.369,885	14,801	14,332	67	80	52.323	657,722	3.834,422	5,830	5,361
18	31	98.238	30.315,057	446.981,546	14,745	14,275	68	81	48.708	573,564	3.176,700	5,539	5,069
19	32	98.129	28.366,503	416.666,489	14,689	14,220	69	82	44.905	495,352	2.603,136	5,255	4,786
20	33	98.015	26.541,994	388.299,986	14,630	14,161	70	83	40.922	422,865	2.107,784	4,985	4,515
21	34	97.901	24.834,864	361.757,992	14,567	14,097	71	84	36.906	357,253	1.684,919	4,716	4,247
22	35	97.778	23.235,370	336.923,128	14,500	14,031	72	85	32.871	298,078	1.327,666	4,454	3,985
23	36	97.655	21.738,609	313.687,758	14,430	13,961	73	86	28.961	246,009	1.029,588	4,185	3,716
24	37	97.527	20.337,436	291.949,149	14,355	13,886	74	87	25.031	199,183	783,579	3,934	3,465
25	38	97.397	19.025,964	271.611,714	14,276	13,807	75	88	21.143	157,606	584,396	3,708	3,239
26	39	97.257	17.797,422	252.585,749	14,192	13,723	76	89	17.513	122,293	426,790	3,490	3,021
27	40	97.110	16.646,803	234.788,327	14,104	13,635	77	90	14.173	92,712	304,497	3,284	2,815
28	41	96.956	15.569,486	218.141,524	14,011	13,542	78	91	11.207	68,676	211,785	3,084	2,615
29	42	96.789	14.559,871	202.572,038	13,913	13,444	79	92	8.554	49,104	143,109	2,914	2,445
30	43	96.612	13.614,302	188.012,167	13,810	13,341	80	93	6.345	34,117	94,005	2,755	2,286
31	44	96.416	12.727,585	174.397,866	13,702	13,233	81	94	4.558	22,958	59,887	2,609	2,139
32	45	96.206	11.896,797	161.670,281	13,589	13,120	82	95	3.166	14,941	36,929	2,472	2,003
33	46	95.975	11.117,750	149.773,483	13,472	13,002	83	96	2.115	9,350	21,988	2,352	1,883
34	47	95.718	10.386,930	138.655,734	13,349	12,880	84	97	1.362	5,641	12,638	2,240	1,771
35	48	95.441	9.701,948	128.268,804	13,221	12,752	85	98	845	3,276	6,997	2,136	1,667
36	49	95.139	9.059,718	118.566,856	13,087	12,618	86	99	505	1,834	3,721	2,029	1,560
37	50	94.803	8.456,873	109.507,137	12,949	12,480	87	100	287	0,976	1,888	1,934	1,465
38	51	94.449	7.892,566	101.050,265	12,803	12,334	88	101	154	0,493	0,911	1,850	1,381
39	52	94.057	7.362,811	93.157,699	12,652	12,183	89	102	79	0,236	0,419	1,775	1,306
40	53	93.628	6.865,797	85.794,888	12,496	12,027	90	103	38	0,107	0,183	1,706	1,237
41	54	93.172	6.400,310	78.929,091	12,332	11,863	91	104	18	0,046	0,076	1,640	1,171
42	55	92.671	5.963,402	72.528,781	12,162	11,693	92	105	8	0,019	0,030	1,581	1,112
43	56	92.117	5.552,896	66.565,379	11,988	11,518	93	106					
44	57	91.520	5.168,067	61.012,483	11,806	11,337	94	107					
45	58	90.867	4.806,743	55.844,415	11,618	11,149	95	108					
46	59	90.151	4.467,332	51.037,672	11,425	10,956	96	109					
47	60	89.388	4.149,447	46.570,340	11,223	10,754	97	110					
48	61	88.563	3.851,186	42.420,894	11,015	10,546	98	111					
49	62	87.705	3.572,721	38.569,708	10,796	10,326	99	112					
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -14 Jahre

Zinsfuß 6,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	14	99.452	99.452,383	1.525.715,325	15,341	14,872	50	64	86.172	3.288,303	34.203,316	10,402	9,932
1	15	98.987	92.727,977	1.426.262,943	15,381	14,912	51	65	85.118	3.042,699	30.915,013	10,160	9,691
2	16	98.929	86.814,009	1.333.534,966	15,361	14,892	52	66	83.985	2.812,378	27.872,314	9,911	9,441
3	17	98.889	81.291,006	1.246.720,957	15,337	14,867	53	67	82.737	2.595,375	25.059,936	9,656	9,186
4	18	98.849	76.120,182	1.165.429,951	15,310	14,841	54	68	81.381	2.391,424	22.464,562	9,394	8,925
5	19	98.807	71.276,895	1.089.309,769	15,283	14,814	55	69	79.904	2.199,550	20.073,138	9,126	8,657
6	20	98.766	66.742,275	1.018.032,874	15,253	14,784	56	70	78.294	2.018,954	17.873,588	8,853	8,384
7	21	98.723	62.495,005	951.290,599	15,222	14,753	57	71	76.577	1.849,809	15.854,634	8,571	8,102
8	22	98.687	58.521,779	888.795,594	15,187	14,718	58	72	74.683	1.689,998	14.004,825	8,287	7,818
9	23	98.649	54.799,980	830.273,814	15,151	14,682	59	73	72.638	1.539,778	12.314,827	7,998	7,529
10	24	98.614	51.316,680	775.473,834	15,112	14,642	60	74	70.410	1.398,177	10.775,049	7,706	7,237
11	25	98.578	48.054,255	724.157,155	15,070	14,600	61	75	68.033	1.265,545	9.337,871	7,409	6,940
12	26	98.539	44.998,117	676.102,900	15,025	14,556	62	76	65.473	1.140,914	8.111,326	7,109	6,640
13	27	98.499	42.135,498	631.104,783	14,978	14,509	63	77	62.721	1.023,854	6.970,412	6,808	6,339
14	28	98.457	39.454,573	588.969,284	14,928	14,459	64	78	59.804	914,502	5.946,558	6,503	6,033
15	29	98.410	36.942,001	549.514,711	14,875	14,406	65	79	56.679	811,907	5.032,056	6,198	5,729
16	30	98.358	34.587,799	512.572,711	14,819	14,350	66	80	53.343	715,815	4.220,149	5,896	5,426
17	31	98.288	32.377,734	477.984,911	14,763	14,294	67	81	49.774	625,682	3.504,334	5,601	5,132
18	32	98.203	30.304,228	445.607,177	14,704	14,235	68	82	45.993	541,591	2.878,652	5,315	4,846
19	33	98.094	28.356,417	415.302,949	14,646	14,177	69	83	42.003	463,340	2.337,061	5,044	4,575
20	34	97.976	26.531,388	386.946,532	14,584	14,115	70	84	37.989	392,563	1.873,721	4,773	4,304
21	35	97.855	24.823,221	360.415,144	14,519	14,050	71	85	33.940	328,544	1.481,157	4,508	4,039
22	36	97.728	23.223,474	335.591,923	14,451	13,981	72	86	30.017	272,197	1.152,613	4,234	3,765
23	37	97.599	21.726,316	312.368,448	14,377	13,908	73	87	26.041	221,208	880,416	3,980	3,511
24	38	97.467	20.324,964	290.642,132	14,300	13,831	74	88	22.080	175,704	659,209	3,752	3,283
25	39	97.328	19.012,656	270.317,168	14,218	13,749	75	89	18.362	136,877	483,505	3,532	3,063
26	40	97.179	17.783,180	251.304,512	14,132	13,662	76	90	14.917	104,166	346,628	3,328	2,859
27	41	97.025	16.632,320	233.521,332	14,040	13,571	77	91	11.856	77,557	242,462	3,126	2,657
28	42	96.860	15.554,095	216.889,012	13,944	13,475	78	92	9.107	55,806	164,905	2,955	2,486
29	43	96.680	14.543,496	201.334,916	13,844	13,375	79	93	6.797	39,019	109,098	2,796	2,327
30	44	96.487	13.596,630	186.791,420	13,738	13,269	80	94	4.923	26,475	70,080	2,647	2,178
31	45	96.282	12.709,868	173.194,790	13,627	13,158	81	95	3.449	17,376	43,604	2,509	2,040
32	46	96.053	11.877,929	160.484,922	13,511	13,042	82	96	2.334	11,015	26,228	2,381	1,912
33	47	95.802	11.097,783	148.606,993	13,391	12,922	83	97	1.517	6,705	15,214	2,269	1,800
34	48	95.532	10.366,731	137.509,211	13,264	12,795	84	98	949	3,931	8,508	2,165	1,696
35	49	95.239	9.681,381	127.142,480	13,133	12,664	85	99	571	2,215	4,578	2,067	1,598
36	50	94.910	9.037,914	117.461,099	12,996	12,527	86	100	331	1,201	2,363	1,967	1,498
37	51	94.563	8.435,505	108.423,185	12,853	12,384	87	101	182	0,619	1,162	1,878	1,408
38	52	94.187	7.870,646	99.987,680	12,704	12,235	88	102	95	0,302	0,543	1,799	1,330
39	53	93.773	7.340,552	92.117,034	12,549	12,080	89	103	47	0,140	0,241	1,729	1,260
40	54	93.332	6.844,118	84.776,482	12,387	11,918	90	104	22	0,061	0,102	1,664	1,195
41	55	92.848	6.378,048	77.932,364	12,219	11,750	91	105	10	0,025	0,041	1,602	1,133
42	56	92.320	5.940,820	71.554,316	12,045	11,575	92	106					
43	57	91.747	5.530,603	65.613,497	11,864	11,395	93	107					
44	58	91.111	5.145,002	60.082,894	11,678	11,209	94	108					
45	59	90.429	4.783,596	54.937,892	11,485	11,016	95	109					
46	60	89.693	4.444,621	50.154,296	11,284	10,815	96	110					
47	61	88.896	4.126,607	45.709,675	11,077	10,608	97	111					
48	62	88.065	3.829,514	41.583,068	10,859	10,389	98	112					
49	63	87.153	3.550,238	37.753,555	10,634	10,165	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -15 Jahre

Zinsfuß 6,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	15	99.441	99.440,794	1.523.971,712	15,325	14,856	50	65	85.542	3.264,257	33.361,806	10,220	9,751
1	16	98.969	92.711,409	1.424.530,918	15,365	14,896	51	66	84.423	3.017,848	30.097,550	9,973	9,504
2	17	98.908	86.795,624	1.331.819,509	15,344	14,875	52	67	83.225	2.786,907	27.079,702	9,717	9,248
3	18	98.867	81.273,121	1.245.023,885	15,319	14,850	53	68	81.896	2.568,993	24.292,795	9,456	8,987
4	19	98.820	76.098,291	1.163.750,765	15,293	14,824	54	69	80.450	2.364,072	21.723,802	9,189	8,720
5	20	98.780	71.257,137	1.087.652,474	15,264	14,795	55	70	78.884	2.171,488	19.359,730	8,915	8,446
6	21	98.735	66.721,194	1.016.395,337	15,233	14,764	56	71	77.181	1.990,257	17.188,242	8,636	8,167
7	22	98.699	62.479,714	949.674,143	15,200	14,731	57	72	75.335	1.819,819	15.197,985	8,351	7,882
8	23	98.660	58.505,935	887.194,429	15,164	14,695	58	73	73.337	1.659,529	13.378,166	8,061	7,592
9	24	98.623	54.785,682	828.688,493	15,126	14,657	59	74	71.158	1.508,409	11.718,637	7,769	7,300
10	25	98.587	51.302,738	773.902,811	15,085	14,616	60	75	68.807	1.366,352	10.210,227	7,473	7,003
11	26	98.553	48.042,430	722.600,073	15,041	14,572	61	76	66.269	1.232,733	8.843,875	7,174	6,705
12	27	98.512	44.985,519	674.557,643	14,995	14,526	62	77	63.578	1.107,887	7.611,142	6,870	6,401
13	28	98.470	42.123,219	629.572,124	14,946	14,477	63	78	60.681	990,545	6.503,255	6,565	6,096
14	29	98.428	39.442,862	587.448,905	14,894	14,425	64	79	57.587	880,609	5.512,710	6,260	5,791
15	30	98.381	36.931,187	548.006,043	14,839	14,369	65	80	54.294	777,754	4.632,102	5,956	5,487
16	31	98.326	34.576,475	511.074,855	14,781	14,312	66	81	50.745	680,945	3.854,348	5,660	5,191
17	32	98.253	32.366,169	476.498,381	14,722	14,253	67	82	46.999	590,804	3.173,403	5,371	4,902
18	33	98.168	30.293,453	444.132,212	14,661	14,192	68	83	43.020	506,591	2.582,600	5,098	4,629
19	34	98.055	28.345,086	413.838,759	14,600	14,131	69	84	38.993	430,138	2.076,008	4,826	4,357
20	35	97.930	26.518,950	385.493,673	14,537	14,067	70	85	34.936	361,016	1.645,870	4,559	4,090
21	36	97.805	24.810,513	358.974,723	14,469	14,000	71	86	30.993	300,018	1.284,854	4,283	3,813
22	37	97.673	23.210,342	334.164,211	14,397	13,928	72	87	26.991	244,756	984,836	4,024	3,555
23	38	97.540	21.712,993	310.953,868	14,321	13,852	73	88	22.971	195,132	740,080	3,793	3,324
24	39	97.399	20.310,747	289.240,875	14,241	13,772	74	89	19.176	152,594	544,948	3,571	3,102
25	40	97.251	18.997,440	268.930,128	14,156	13,687	75	90	15.640	116,588	392,354	3,365	2,896
26	41	97.095	17.767,709	249.932,687	14,067	13,598	76	91	12.479	87,139	275,765	3,165	2,696
27	42	96.930	16.615,879	232.164,978	13,972	13,503	77	92	9.634	63,023	188,626	2,993	2,524
28	43	96.751	15.536,602	215.549,099	13,874	13,405	78	93	7.237	44,344	125,604	2,832	2,363
29	44	96.555	14.524,618	200.012,497	13,771	13,301	79	94	5.275	30,279	81,259	2,684	2,215
30	45	96.352	13.577,703	185.487,879	13,661	13,192	80	95	3.726	20,038	50,981	2,544	2,075
31	46	96.129	12.689,710	171.910,175	13,547	13,078	81	96	2.543	12,810	30,942	2,415	1,946
32	47	95.881	11.856,596	159.220,465	13,429	12,960	82	97	1.674	7,899	18,132	2,295	1,826
33	48	95.616	11.076,201	147.363,869	13,305	12,835	83	98	1.057	4,672	10,233	2,190	1,721
34	49	95.330	10.344,754	136.287,667	13,175	12,705	84	99	642	2,657	5,561	2,093	1,624
35	50	95.009	9.658,080	125.942,913	13,040	12,571	85	100	374	1,451	2,904	2,002	1,532
36	51	94.670	9.015,079	116.284,833	12,899	12,430	86	101	210	0,761	1,453	1,908	1,439
37	52	94.301	8.412,078	107.269,755	12,752	12,283	87	102	111	0,379	0,692	1,824	1,355
38	53	93.902	7.846,852	98.857,677	12,598	12,129	88	103	56	0,179	0,313	1,751	1,282
39	54	93.477	7.317,374	91.010,825	12,438	11,969	89	104	27	0,080	0,134	1,685	1,215
40	55	93.008	6.820,312	83.693,451	12,271	11,802	90	105	12	0,034	0,054	1,623	1,154
41	56	92.496	6.353,895	76.873,139	12,099	11,629	91	106					
42	57	91.950	5.916,969	70.519,244	11,918	11,449	92	107					
43	58	91.337	5.505,919	64.602,275	11,733	11,264	93	108					
44	59	90.673	5.120,225	59.096,355	11,542	11,073	94	109					
45	60	89.970	4.759,277	53.976,130	11,341	10,872	95	110					
46	61	89.199	4.420,156	49.216,853	11,135	10,666	96	111					
47	62	88.396	4.103,385	44.796,697	10,917	10,448	97	112					
48	63	87.511	3.805,415	40.693,311	10,694	10,224	98						
49	64	86.560	3.526,090	36.887,897	10,461	9,992	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -16 Jahre

Zinsfuß 6,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	16	99.423	99.423,027	1.522.103,179	15,309	14,840	50	66	84.843	3.237,596	32.470,868	10,029	9,560
1	17	98.948	92.691,775	1.422.680,153	15,349	14,879	51	67	83.658	2.990,517	29.233,271	9,775	9,306
2	18	98.887	86.776,527	1.329.988,378	15,327	14,857	52	68	82.379	2.758,578	26.242,755	9,513	9,044
3	19	98.838	81.249,747	1.243.211,850	15,301	14,832	53	69	80.959	2.539,610	23.484,176	9,247	8,778
4	20	98.793	76.077,196	1.161.962,103	15,273	14,804	54	70	79.424	2.333,911	20.944,567	8,974	8,505
5	21	98.749	71.234,630	1.085.884,908	15,244	14,775	55	71	77.763	2.140,623	18.610,656	8,694	8,225
6	22	98.711	66.704,870	1.014.650,278	15,211	14,742	56	72	75.930	1.957,991	16.470,033	8,412	7,943
7	23	98.673	62.462,799	947.945,408	15,176	14,707	57	73	73.977	1.787,010	14.512,042	8,121	7,652
8	24	98.635	58.490,671	885.482,610	15,139	14,670	58	74	71.843	1.625,720	12.725,033	7,827	7,358
9	25	98.596	54.770,798	826.991,939	15,099	14,630	59	75	69.538	1.474,075	11.099,312	7,530	7,061
10	26	98.563	51.290,114	772.221,141	15,056	14,587	60	76	67.023	1.330,926	9.625,237	7,232	6,763
11	27	98.526	48.028,980	720.931,027	15,010	14,541	61	77	64.351	1.197,047	8.294,311	6,929	6,460
12	28	98.483	44.972,409	672.902,046	14,963	14,493	62	78	61.509	1.071,845	7.097,263	6,622	6,152
13	29	98.441	42.110,716	627.929,637	14,911	14,442	63	79	58.432	953,833	6.025,419	6,317	5,848
14	30	98.399	39.431,317	585.818,922	14,857	14,388	64	80	55.165	843,565	5.071,585	6,012	5,543
15	31	98.349	36.919,095	546.387,605	14,800	14,330	65	81	51.649	739,866	4.228,021	5,715	5,245
16	32	98.291	34.564,124	509.468,509	14,740	14,271	66	82	47.916	642,986	3.488,155	5,425	4,956
17	33	98.218	32.354,660	474.904,386	14,678	14,209	67	83	43.962	552,623	2.845,169	5,148	4,679
18	34	98.129	30.281,348	442.549,726	14,615	14,145	68	84	39.938	470,290	2.292,545	4,875	4,406
19	35	98.009	28.331,798	412.268,378	14,551	14,082	69	85	35.860	395,572	1.822,255	4,607	4,138
20	36	97.879	26.505,373	383.936,580	14,485	14,016	70	86	31.903	329,671	1.426,684	4,328	3,858
21	37	97.750	24.796,483	357.431,207	14,415	13,945	71	87	27.869	269,772	1.097,013	4,066	3,597
22	38	97.613	23.196,110	332.634,724	14,340	13,871	72	88	23.809	215,905	827,240	3,832	3,362
23	39	97.471	21.697,805	309.438,614	14,261	13,792	73	89	19.950	169,467	611,336	3,607	3,138
24	40	97.321	20.294,493	287.740,809	14,178	13,709	74	90	16.334	129,976	441,869	3,400	2,930
25	41	97.166	18.980,913	267.446,316	14,090	13,621	75	91	13.084	97,530	311,893	3,198	2,729
26	42	96.999	17.750,146	248.465,403	13,998	13,529	76	92	10.140	70,809	214,362	3,027	2,558
27	43	96.821	16.597,192	230.715,257	13,901	13,432	77	93	7.656	50,079	143,553	2,867	2,397
28	44	96.626	15.516,435	214.118,065	13,799	13,330	78	94	5.616	34,412	93,475	2,716	2,247
29	45	96.420	14.504,400	198.601,630	13,693	13,223	79	95	3.992	22,917	59,063	2,577	2,108
30	46	96.200	13.556,169	184.097,230	13,580	13,111	80	96	2.747	14,773	36,146	2,447	1,978
31	47	95.957	12.666,920	170.541,061	13,463	12,994	81	97	1.824	9,187	21,374	2,327	1,857
32	48	95.694	11.833,540	157.874,142	13,341	12,872	82	98	1.166	5,504	12,187	2,214	1,745
33	49	95.413	11.052,720	146.040,602	13,213	12,744	83	99	714	3,158	6,683	2,116	1,647
34	50	95.100	10.319,857	134.987,882	13,080	12,611	84	100	420	1,741	3,525	2,025	1,556
35	51	94.769	9.633,678	124.668,024	12,941	12,472	85	101	237	0,920	1,784	1,940	1,471
36	52	94.407	8.990,041	115.034,347	12,796	12,327	86	102	128	0,467	0,864	1,852	1,383
37	53	94.016	8.386,646	106.044,305	12,644	12,175	87	103	66	0,224	0,398	1,774	1,305
38	54	93.606	7.822,075	97.657,659	12,485	12,016	88	104	32	0,102	0,173	1,705	1,236
39	55	93.151	7.291,922	89.835,584	12,320	11,851	89	105	15	0,044	0,072	1,642	1,173
40	56	92.656	6.794,485	82.543,662	12,149	11,679	90	106					
41	57	92.125	6.328,386	75.749,177	11,970	11,501	91	107					
42	58	91.539	5.890,561	69.420,791	11,785	11,316	92	108					
43	59	90.898	5.479,405	63.530,230	11,594	11,125	93	109					
44	60	90.212	5.094,195	58.050,825	11,395	10,926	94	110					
45	61	89.474	4.733,081	52.956,630	11,189	10,719	95	111					
46	62	88.697	4.395,283	48.223,549	10,972	10,503	96	112					
47	63	87.840	4.077,563	43.828,266	10,749	10,280	97						
48	64	86.915	3.779,531	39.750,703	10,517	10,048	98						
49	65	85.927	3.500,304	35.971,172	10,277	9,807	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -17 Jahre

Zinsfuß 6,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	17	99.402	99.401,972	1.520.107,841	15,293	14,823	50	67	84.075	3.208,275	31.530,018	9,828	9,359
1	18	98.927	92.671,381	1.420.705,869	15,331	14,861	51	68	82.808	2.960,118	28.321,743	9,568	9,099
2	19	98.858	86.751,571	1.328.034,488	15,308	14,839	52	69	81.437	2.727,027	25.361,625	9,300	8,831
3	20	98.811	81.227,224	1.241.282,917	15,282	14,812	53	70	79.926	2.507,209	22.634,598	9,028	8,559
4	21	98.762	76.053,166	1.160.055,693	15,253	14,784	54	71	78.295	2.300,737	20.127,389	8,748	8,279
5	22	98.724	71.217,201	1.084.002,527	15,221	14,752	55	72	76.502	2.105,919	17.826,652	8,465	7,996
6	23	98.684	66.686,810	1.012.785,326	15,187	14,718	56	73	74.561	1.922,690	15.720,733	8,176	7,707
7	24	98.647	62.446,502	946.098,516	15,151	14,681	57	74	72.470	1.750,604	13.798,043	7,882	7,413
8	25	98.608	58.474,780	883.652,015	15,112	14,643	58	75	70.208	1.588,716	12.047,439	7,583	7,114
9	26	98.572	54.757,321	825.177,235	15,070	14,601	59	76	67.735	1.435,856	10.458,723	7,284	6,815
10	27	98.535	51.275,755	770.419,914	15,025	14,556	60	77	65.083	1.292,398	9.022,867	6,981	6,512
11	28	98.497	48.014,983	719.144,159	14,977	14,508	61	78	62.257	1.158,104	7.730,468	6,675	6,206
12	29	98.454	44.959,060	671.129,175	14,928	14,458	62	79	59.230	1.032,120	6.572,364	6,368	5,899
13	30	98.412	42.098,389	626.170,115	14,874	14,405	63	80	55.974	913,709	5.540,244	6,063	5,594
14	31	98.367	39.418,407	584.071,726	14,817	14,348	64	81	52.478	802,471	4.626,535	5,765	5,296
15	32	98.314	36.905,908	544.653,319	14,758	14,289	65	82	48.770	698,623	3.824,064	5,474	5,005
16	33	98.256	34.551,833	507.747,412	14,695	14,226	66	83	44.820	601,434	3.125,441	5,197	4,728
17	34	98.179	32.341,732	473.195,578	14,631	14,162	67	84	40.812	513,024	2.524,007	4,920	4,451
18	35	98.083	30.267,152	440.853,846	14,565	14,096	68	85	36.728	432,497	2.010,984	4,650	4,181
19	36	97.958	28.317,293	410.586,695	14,500	14,030	69	86	32.746	361,226	1.578,487	4,370	3,901
20	37	97.824	26.490,386	382.269,402	14,430	13,961	70	87	28.687	296,436	1.217,261	4,106	3,637
21	38	97.690	24.781,278	355.779,016	14,357	13,888	71	88	24.584	237,972	920,825	3,869	3,400
22	39	97.545	23.179,884	330.997,739	14,280	13,810	72	89	20.678	187,507	682,853	3,642	3,173
23	40	97.393	21.680,441	307.817,855	14,198	13,729	73	90	16.993	144,348	495,346	3,432	2,962
24	41	97.237	20.276,837	286.137,414	14,112	13,642	74	91	13.664	108,730	350,998	3,228	2,759
25	42	97.070	18.962,151	265.860,577	14,021	13,551	75	92	10.632	79,253	242,268	3,057	2,588
26	43	96.890	17.730,183	246.898,426	13,925	13,456	76	93	8.058	56,266	163,015	2,897	2,428
27	44	96.695	16.575,649	229.168,244	13,826	13,356	77	94	5.941	38,861	106,749	2,747	2,278
28	45	96.491	15.494,836	212.592,595	13,720	13,251	78	95	4.250	26,045	67,888	2,607	2,137
29	46	96.267	14.481,396	197.097,759	13,610	13,141	79	96	2.943	16,895	41,843	2,477	2,008
30	47	96.027	13.531,822	182.616,363	13,495	13,026	80	97	1.970	10,594	24,948	2,355	1,886
31	48	95.770	12.642,287	169.084,541	13,375	12,905	81	98	1.271	6,401	14,354	2,243	1,773
32	49	95.492	11.808,453	156.442,254	13,248	12,779	82	99	788	3,721	7,953	2,138	1,668
33	50	95.184	11.026,120	144.633,801	13,117	12,648	83	100	468	2,069	4,232	2,046	1,577
34	51	94.860	10.293,783	133.607,681	12,979	12,510	84	101	266	1,103	2,163	1,961	1,491
35	52	94.506	9.606,923	123.313,898	12,836	12,367	85	102	145	0,564	1,060	1,881	1,412
36	53	94.122	8.962,863	113.706,975	12,686	12,217	86	103	76	0,276	0,497	1,800	1,330
37	54	93.719	8.360,165	104.744,113	12,529	12,060	87	104	38	0,128	0,221	1,726	1,257
38	55	93.280	7.794,868	96.383,947	12,365	11,896	88	105	18	0,056	0,093	1,661	1,192
39	56	92.799	7.264,309	88.589,080	12,195	11,726	89						
40	57	92.284	6.767,207	81.324,771	12,017	11,548	90						
41	58	91.714	6.300,142	74.557,564	11,834	11,365	91						
42	59	91.099	5.862,194	68.257,422	11,644	11,175	92						
43	60	90.435	5.451,549	62.395,228	11,445	10,976	93						
44	61	89.715	5.066,155	56.943,679	11,240	10,771	94						
45	62	88.971	4.706,446	51.877,524	11,023	10,554	95						
46	63	88.139	4.367,623	47.171,078	10,800	10,331	96						
47	64	87.242	4.049,828	42.803,454	10,569	10,100	97						
48	65	86.280	3.751,892	38.753,626	10,329	9,860	98						
49	66	85.226	3.471,716	35.001,734	10,082	9,613	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -18 Jahre

Zinsfuß 6,75%

Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	18	99.380	99.380,101	1.517.980,647	15,274	14,805	50	68	83.220	3.175,663	30.538,845	9,617	9,147
1	19	98.898	92.644,729	1.418.600,546	15,312	14,843	51	69	81.861	2.926,262	27.363,182	9,351	8,882
2	20	98.831	86.727,523	1.325.955,816	15,289	14,820	52	70	80.398	2.692,235	24.436,921	9,077	8,608
3	21	98.780	81.201,568	1.239.228,293	15,261	14,792	53	71	78.790	2.471,573	21.744,686	8,798	8,329
4	22	98.738	76.034,558	1.158.026,725	15,230	14,761	54	72	77.025	2.263,437	19.273,113	8,515	8,046
5	23	98.698	71.197,919	1.081.992,167	15,197	14,728	55	73	75.123	2.067,951	17.009,676	8,225	7,756
6	24	98.658	66.669,411	1.010.794,248	15,161	14,692	56	74	73.042	1.883,520	14.941,725	7,933	7,464
7	25	98.620	62.429,536	944.124,837	15,123	14,654	57	75	70.820	1.710,757	13.058,205	7,633	7,164
8	26	98.584	58.460,391	881.695,301	15,082	14,613	58	76	68.387	1.547,525	11.347,448	7,333	6,864
9	27	98.544	54.741,991	823.234,909	15,038	14,569	59	77	65.775	1.394,291	9.799,923	7,029	6,559
10	28	98.506	51.260,811	768.492,918	14,992	14,523	60	78	62.966	1.250,353	8.405,632	6,723	6,253
11	29	98.468	48.000,731	717.232,107	14,942	14,473	61	79	59.950	1.115,182	7.155,279	6,416	5,947
12	30	98.425	44.945,900	669.231,375	14,890	14,421	62	80	56.738	988,702	6.040,097	6,109	5,640
13	31	98.380	42.084,606	624.285,475	14,834	14,365	63	81	53.247	869,199	5.051,394	5,812	5,342
14	32	98.332	39.404,326	582.200,869	14,775	14,306	64	82	49.552	757,738	4.182,196	5,519	5,050
15	33	98.279	36.892,785	542.796,543	14,713	14,244	65	83	45.619	653,475	3.424,457	5,240	4,771
16	34	98.216	34.538,027	505.903,758	14,648	14,179	66	84	41.608	558,336	2.770,982	4,963	4,494
17	35	98.133	32.326,569	471.365,731	14,581	14,112	67	85	37.532	471,796	2.212,646	4,690	4,221
18	36	98.033	30.251,656	439.039,162	14,513	14,044	68	86	33.539	394,945	1.740,850	4,408	3,939
19	37	97.903	28.301,281	408.787,506	14,444	13,975	69	87	29.445	324,809	1.345,905	4,144	3,675
20	38	97.764	26.474,141	380.486,225	14,372	13,903	70	88	25.305	261,492	1.021,095	3,905	3,436
21	39	97.621	24.763,943	354.012,084	14,295	13,826	71	89	21.350	206,672	759,603	3,675	3,206
22	40	97.467	23.161,334	329.248,141	14,215	13,746	72	90	17.613	159,714	552,931	3,462	2,993
23	41	97.309	21.661,579	306.086,807	14,130	13,661	73	91	14.215	120,752	393,216	3,256	2,787
24	42	97.140	20.256,794	284.425,228	14,041	13,572	74	92	11.103	88,354	272,464	3,084	2,615
25	43	96.961	18.940,824	264.168,434	13,947	13,478	75	93	8.448	62,975	184,110	2,924	2,454
26	44	96.764	17.707,168	245.227,610	13,849	13,380	76	94	6.253	43,663	121,135	2,774	2,305
27	45	96.560	16.552,575	227.520,441	13,745	13,276	77	95	4.496	29,413	77,472	2,634	2,165
28	46	96.338	15.470,261	210.967,866	13,637	13,168	78	96	3.133	19,201	48,059	2,503	2,034
29	47	96.094	14.455,388	195.497,605	13,524	13,055	79	97	2.111	12,116	28,859	2,382	1,913
30	48	95.840	13.505,508	181.042,217	13,405	12,936	80	98	1.373	7,382	16,742	2,268	1,799
31	49	95.567	12.615,486	167.536,710	13,280	12,811	81	99	859	4,327	9,361	2,163	1,694
32	50	95.262	11.780,034	154.921,224	13,151	12,682	82	100	517	2,437	5,034	2,065	1,596
33	51	94.943	10.998,261	143.141,190	13,015	12,546	83	101	297	1,312	2,596	1,979	1,510
34	52	94.597	10.265,194	132.142,929	12,873	12,404	84	102	163	0,676	1,285	1,900	1,431
35	53	94.220	9.577,879	121.877,735	12,725	12,256	85	103	86	0,333	0,608	1,826	1,357
36	54	93.825	8.934,562	112.299,856	12,569	12,100	86	104	43	0,157	0,275	1,749	1,280
37	55	93.393	8.331,087	103.365,294	12,407	11,938	87	105	21	0,070	0,118	1,680	1,211
38	56	92.927	7.765,350	95.034,207	12,238	11,769	88	106					
39	57	92.426	7.235,144	87.268,857	12,062	11,593	89	107					
40	58	91.872	6.737,004	80.033,713	11,880	11,411	90	108					
41	59	91.272	6.269,803	73.296,709	11,690	11,221	91	109					
42	60	90.635	5.832,392	67.026,906	11,492	11,023	92	110					
43	61	89.938	5.421,542	61.194,514	11,287	10,818	93	111					
44	62	89.210	5.037,646	55.772,972	11,071	10,602	94	112					
45	63	88.411	4.676,829	50.735,325	10,848	10,379	95						
46	64	87.539	4.337,916	46.058,496	10,618	10,149	96						
47	65	86.604	4.020,213	41.720,581	10,378	9,909	97						
48	66	85.575	3.721,249	37.700,368	10,131	9,662	98						
49	67	84.454	3.440,274	33.979,119	9,877	9,408	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -19 Jahre

Zinsfuß 6,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	19	99.352	99.351,520	1.515.713,581	15,256	14,787	50	69	82.268	3.139,341	29.497,632	9,396	8,927
1	20	98.871	92.619,048	1.416.362,061	15,292	14,823	51	70	80.816	2.888,928	26.358,292	9,124	8,655
2	21	98.800	86.700,129	1.323.743,013	15,268	14,799	52	71	79.255	2.653,969	23.469,364	8,843	8,374
3	22	98.756	81.181,700	1.237.042,884	15,238	14,769	53	72	77.513	2.431,503	20.815,395	8,561	8,092
4	23	98.711	76.013,973	1.155.861,183	15,206	14,737	54	73	75.637	2.222,629	18.383,892	8,271	7,802
5	24	98.672	71.179,343	1.079.847,211	15,171	14,702	55	74	73.593	2.025,822	16.161,263	7,978	7,509
6	25	98.632	66.651,298	1.008.667,868	15,134	14,664	56	75	71.379	1.840,648	14.135,441	7,680	7,210
7	26	98.596	62.414,174	942.016,569	15,093	14,624	57	76	68.984	1.666,402	12.294,793	7,378	6,909
8	27	98.556	58.444,025	879.602,395	15,050	14,581	58	77	66.408	1.502,726	10.628,391	7,073	6,604
9	28	98.516	54.726,038	821.158,370	15,005	14,536	59	78	63.635	1.348,931	9.125,665	6,765	6,296
10	29	98.477	51.245,596	766.432,333	14,956	14,487	60	79	60.632	1.204,012	7.776,734	6,459	5,990
11	30	98.439	47.986,681	715.186,736	14,904	14,435	61	80	57.428	1.068,271	6.572,722	6,153	5,684
12	31	98.393	44.931,184	667.200,055	14,849	14,380	62	81	53.974	940,538	5.504,451	5,852	5,383
13	32	98.345	42.069,573	622.268,871	14,791	14,322	63	82	50.279	820,746	4.563,912	5,561	5,092
14	33	98.297	39.390,315	580.199,298	14,729	14,260	64	83	46.350	708,770	3.743,166	5,281	4,812
15	34	98.239	36.878,043	540.808,983	14,665	14,196	65	84	42.350	606,648	3.034,396	5,002	4,533
16	35	98.170	34.521,835	503.930,940	14,597	14,128	66	85	38.264	513,467	2.427,748	4,728	4,259
17	36	98.082	32.310,020	469.409,105	14,528	14,059	67	86	34.273	430,833	1.914,280	4,443	3,974
18	37	97.977	30.234,550	437.099,085	14,457	13,988	68	87	30.158	355,129	1.483,448	4,177	3,708
19	38	97.843	28.283,926	406.864,535	14,385	13,916	69	88	25.974	286,522	1.128,318	3,938	3,469
20	39	97.696	26.455,622	378.580,610	14,310	13,841	70	89	21.977	227,099	841,797	3,707	3,238
21	40	97.543	24.744,125	352.124,987	14,231	13,762	71	90	18.186	176,038	614,698	3,492	3,023
22	41	97.382	23.141,184	327.380,862	14,147	13,678	72	91	14.734	133,607	438,659	3,283	2,814
23	42	97.212	21.640,167	304.239,679	14,059	13,590	73	92	11.551	98,123	305,052	3,109	2,640
24	43	97.031	20.234,012	282.599,511	13,967	13,497	74	93	8.823	70,207	206,929	2,947	2,478
25	44	96.835	18.916,239	262.365,500	13,870	13,401	75	94	6.556	48,869	136,722	2,798	2,329
26	45	96.629	17.682,520	243.449,261	13,768	13,299	76	95	4.732	33,047	87,853	2,658	2,189
27	46	96.407	16.526,323	225.766,741	13,661	13,192	77	96	3.315	21,684	54,806	2,528	2,058
28	47	96.165	15.442,477	209.240,418	13,550	13,081	78	97	2.247	13,770	33,122	2,405	1,936
29	48	95.908	14.427,277	193.797,941	13,433	12,964	79	98	1.471	8,442	19,352	2,292	1,823
30	49	95.637	13.476,877	179.370,664	13,310	12,840	80	99	928	4,990	10,910	2,186	1,717
31	50	95.337	12.585,124	165.893,787	13,182	12,713	81	100	563	2,835	5,920	2,089	1,619
32	51	95.021	11.750,270	153.308,663	13,047	12,578	82	101	327	1,545	3,086	1,997	1,528
33	52	94.680	10.967,716	141.558,394	12,907	12,438	83	102	182	0,804	1,540	1,917	1,448
34	53	94.311	10.234,161	130.590,678	12,760	12,291	84	103	97	0,400	0,737	1,843	1,373
35	54	93.923	9.547,637	120.356,517	12,606	12,137	85	104	49	0,190	0,337	1,773	1,304
36	55	93.498	8.903,486	110.808,881	12,446	11,976	86	105	24	0,086	0,147	1,701	1,232
37	56	93.039	8.299,538	101.905,395	12,278	11,809	87	106					
38	57	92.554	7.734,174	93.605,857	12,103	11,634	88	107					
39	58	92.014	7.202,853	85.871,683	11,922	11,453	89	108					
40	59	91.429	6.704,561	78.668,830	11,734	11,265	90	109					
41	60	90.808	6.237,929	71.964,268	11,537	11,067	91	110					
42	61	90.137	5.800,289	65.726,340	11,332	10,862	92	111					
43	62	89.432	5.391,033	59.926,051	11,116	10,647	93	112					
44	63	88.649	5.005,945	54.535,018	10,894	10,425	94						
45	64	87.810	4.645,018	49.529,073	10,663	10,194	95						
46	65	86.899	4.306,193	44.884,055	10,423	9,954	96						
47	66	85.897	3.987,378	40.577,861	10,177	9,707	97						
48	67	84.800	3.687,547	36.590,483	9,923	9,454	98						
49	68	83.595	3.405,304	32.902,936	9,662	9,193	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -20 Jahre

Zinsfuß 6,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	20	99.324	99.323,980	1.513.304,447	15,236	14,767	50	70	81.219	3.099,288	28.407,178	9,166	8,697
1	21	98.840	92.589,793	1.413.980,467	15,271	14,802	51	71	79.668	2.847,866	25.307,889	8,887	8,417
2	22	98.776	86.678,916	1.321.390,674	15,245	14,776	52	72	77.970	2.610,942	22.460,023	8,602	8,133
3	23	98.729	81.159,721	1.234.711,757	15,213	14,744	53	73	76.115	2.387,665	19.849,082	8,313	7,844
4	24	98.685	75.994,140	1.153.552,036	15,179	14,710	54	74	74.096	2.177,349	17.461,417	8,020	7,550
5	25	98.645	71.160,005	1.077.557,896	15,143	14,674	55	75	71.918	1.979,711	15.284,067	7,720	7,251
6	26	98.607	66.634,898	1.006.397,891	15,103	14,634	56	76	69.529	1.792,925	13.304,357	7,420	6,951
7	27	98.568	62.396,701	939.762,993	15,061	14,592	57	77	66.987	1.618,162	11.511,432	7,114	6,645
8	28	98.527	58.426,992	877.366,292	15,016	14,547	58	78	64.247	1.453,839	9.893,270	6,805	6,336
9	29	98.486	54.709,794	818.939,300	14,969	14,500	59	79	61.276	1.298,937	8.439,431	6,497	6,028
10	30	98.448	51.230,596	764.229,506	14,917	14,448	60	80	58.082	1.153,364	7.140,494	6,191	5,722
11	31	98.407	47.970,970	712.998,910	14,863	14,394	61	81	54.630	1.016,231	5.987,130	5,892	5,422
12	32	98.357	44.915,134	665.027,940	14,806	14,337	62	82	50.965	888,109	4.970,899	5,597	5,128
13	33	98.310	42.054,614	620.112,806	14,745	14,276	63	83	47.030	767,706	4.082,790	5,318	4,849
14	34	98.258	39.374,575	578.058,192	14,681	14,212	64	84	43.029	657,981	3.315,084	5,038	4,569
15	35	98.193	36.860,754	538.683,617	14,614	14,145	65	85	38.946	557,897	2.657,103	4,763	4,294
16	36	98.120	34.504,161	501.822,863	14,544	14,075	66	86	34.942	468,886	2.099,206	4,477	4,008
17	37	98.027	32.291,750	467.318,701	14,472	14,003	67	87	30.818	387,399	1.630,320	4,208	3,739
18	38	97.917	30.216,010	435.026,951	14,397	13,928	68	88	26.603	313,267	1.242,921	3,968	3,498
19	39	97.774	28.264,141	404.810,942	14,322	13,853	69	89	22.558	248,836	929,654	3,736	3,267
20	40	97.618	26.434,451	376.546,801	14,245	13,775	70	90	18.719	193,437	680,818	3,520	3,050
21	41	97.458	24.722,598	350.112,350	14,162	13,693	71	91	15.213	147,263	487,380	3,310	2,840
22	42	97.286	23.118,309	325.389,752	14,075	13,606	72	92	11.973	108,569	340,118	3,133	2,664
23	43	97.103	21.615,829	302.271,443	13,984	13,515	73	93	9.179	77,970	231,549	2,970	2,501
24	44	96.905	20.207,747	280.655,614	13,889	13,419	74	94	6.847	54,481	153,579	2,819	2,350
25	45	96.700	18.889,907	260.447,867	13,788	13,319	75	95	4.962	36,987	99,098	2,679	2,210
26	46	96.476	17.654,475	241.557,959	13,683	13,213	76	96	3.489	24,363	62,110	2,549	2,080
27	47	96.234	16.496,642	223.903,484	13,573	13,104	77	97	2.377	15,551	37,748	2,427	1,958
28	48	95.978	15.412,447	207.406,842	13,457	12,988	78	98	1.566	9,594	22,197	2,314	1,844
29	49	95.704	14.396,692	191.994,395	13,336	12,867	79	99	994	5,707	12,603	2,208	1,739
30	50	95.407	13.444,442	177.597,703	13,210	12,741	80	100	608	3,269	6,896	2,109	1,640
31	51	95.096	12.553,326	164.153,262	13,076	12,607	81	101	357	1,797	3,627	2,018	1,549
32	52	94.757	11.717,636	151.599,935	12,938	12,469	82	102	201	0,947	1,830	1,933	1,463
33	53	94.393	10.934,558	139.882,299	12,793	12,324	83	103	108	0,475	0,883	1,858	1,389
34	54	94.013	10.201,846	128.947,741	12,640	12,171	84	104	55	0,228	0,408	1,788	1,319
35	55	93.596	9.514,428	118.745,895	12,481	12,011	85	105	27	0,104	0,180	1,723	1,254
36	56	93.144	8.869,769	109.231,467	12,315	11,846	86	106					
37	57	92.666	8.266,218	100.361,698	12,141	11,672	87	107					
38	58	92.141	7.699,656	92.095,480	11,961	11,492	88	108					
39	59	91.570	7.168,167	84.395,825	11,774	11,305	89	109					
40	60	90.965	6.670,477	77.227,657	11,578	11,108	90	110					
41	61	90.308	6.203,593	70.557,181	11,374	10,904	91	111					
42	62	89.629	5.767,649	64.353,587	11,158	10,689	92	112					
43	63	88.869	5.357,108	58.585,939	10,936	10,467	93						
44	64	88.046	4.971,895	53.228,831	10,706	10,237	94						
45	65	87.167	4.611,050	48.256,935	10,465	9,996	95						
46	66	86.190	4.271,023	43.645,885	10,219	9,750	96						
47	67	85.119	3.951,266	39.374,862	9,965	9,496	97						
48	68	83.938	3.650,063	35.423,597	9,705	9,236	98						
49	69	82.639	3.366,356	31.773,533	9,439	8,969	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -21 Jahre

Zinsfuß 6,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	21	99.293	99.292,607	1.510.742,634	15,215	14,746	50	71	80.064	3.055,237	27.268,401	8,925	8,456
1	22	98.815	92.567,139	1.411.450,026	15,248	14,779	51	72	78.376	2.801,696	24.213,164	8,642	8,173
2	23	98.749	86.655,449	1.318.882,887	15,220	14,751	52	73	76.564	2.563,869	21.411,469	8,351	7,882
3	24	98.703	81.138,546	1.232.227,438	15,187	14,718	53	74	74.565	2.339,023	18.847,600	8,058	7,589
4	25	98.658	75.973,494	1.151.088,892	15,151	14,682	54	75	72.409	2.127,789	16.508,577	7,759	7,289
5	26	98.621	71.142,495	1.075.115,398	15,112	14,643	55	76	70.053	1.928,382	14.380,788	7,457	6,988
6	27	98.580	66.616,243	1.003.972,902	15,071	14,602	56	77	67.516	1.741,022	12.452,406	7,152	6,683
7	28	98.539	62.378,517	937.356,660	15,027	14,558	57	78	64.808	1.565,519	10.711,384	6,842	6,373
8	29	98.498	58.409,650	874.978,143	14,980	14,511	58	79	61.866	1.399,957	9.145,865	6,533	6,064
9	30	98.458	54.693,780	816.568,493	14,930	14,461	59	80	58.699	1.244,295	7.745,908	6,225	5,756
10	31	98.416	51.213,822	761.874,714	14,876	14,407	60	81	55.252	1.097,179	6.501,613	5,926	5,457
11	32	98.372	47.953,834	710.660,891	14,820	14,351	61	82	51.585	959,582	5.404,434	5,632	5,163
12	33	98.322	44.899,164	662.707,057	14,760	14,291	62	83	47.672	830,716	4.444,852	5,351	4,882
13	34	98.270	42.037,810	617.807,894	14,696	14,227	63	84	43.660	712,694	3.614,136	5,071	4,602
14	35	98.212	39.356,116	575.770,084	14,630	14,161	64	85	39.571	605,105	2.901,442	4,795	4,326
15	36	98.143	36.841,883	536.413,968	14,560	14,091	65	86	35.565	509,458	2.296,337	4,507	4,038
16	37	98.065	34.484,651	499.572,085	14,487	14,018	66	87	31.419	421,615	1.786,879	4,238	3,769
17	38	97.967	32.271,948	465.087,434	14,412	13,942	67	88	27.185	341,733	1.365,264	3,995	3,526
18	39	97.849	30.194,873	432.815,487	14,334	13,865	68	89	23.104	272,064	1.023,531	3,762	3,293
19	40	97.696	28.241,522	402.620,613	14,256	13,787	69	90	19.214	211,953	751,467	3,545	3,076
20	41	97.533	26.411,453	374.379,091	14,175	13,706	70	91	15.660	161,818	539,514	3,334	2,865
21	42	97.362	24.698,160	347.967,638	14,089	13,620	71	92	12.362	119,666	377,697	3,156	2,687
22	43	97.176	23.092,308	323.269,478	13,999	13,530	72	93	9.514	86,270	258,031	2,991	2,522
23	44	96.977	21.587,771	300.177,169	13,905	13,436	73	94	7.123	60,505	171,761	2,839	2,370
24	45	96.770	20.179,618	278.589,398	13,805	13,336	74	95	5.182	41,235	111,255	2,698	2,229
25	46	96.547	18.859,948	258.409,780	13,702	13,232	75	96	3.658	27,268	70,021	2,568	2,099
26	47	96.303	17.622,768	239.549,832	13,593	13,124	76	97	2.502	17,472	42,753	2,447	1,978
27	48	96.047	16.464,562	221.927,064	13,479	13,010	77	98	1.656	10,835	25,281	2,333	1,864
28	49	95.775	15.379,773	205.462,502	13,359	12,890	78	99	1.058	6,486	14,446	2,227	1,758
29	50	95.474	14.362,043	190.082,729	13,235	12,766	79	100	651	3,739	7,960	2,129	1,660
30	51	95.166	13.410,473	175.720,686	13,103	12,634	80	101	385	2,072	4,221	2,037	1,568
31	52	94.832	12.518,462	162.310,213	12,966	12,497	81	102	219	1,101	2,149	1,952	1,483
32	53	94.471	11.682,212	149.791,751	12,822	12,353	82	103	119	0,560	1,048	1,872	1,403
33	54	94.095	10.900,032	138.109,539	12,671	12,201	83	104	61	0,271	0,488	1,802	1,333
34	55	93.686	10.166,361	127.209,507	12,513	12,044	84	105	30	0,125	0,217	1,737	1,268
35	56	93.242	9.478,398	117.043,146	12,348	11,879	85	106					
36	57	92.770	8.834,160	107.564,748	12,176	11,707	86	107					
37	58	92.252	8.229,325	98.730,588	11,997	11,528	87	108					
38	59	91.697	7.662,577	90.501,263	11,811	11,342	88	109					
39	60	91.105	7.131,726	82.838,686	11,616	11,146	89	110					
40	61	90.464	6.633,761	75.706,961	11,412	10,943	90	111					
41	62	89.800	6.168,684	69.073,200	11,197	10,728	91	112					
42	63	89.065	5.731,354	62.904,516	10,976	10,506	92						
43	64	88.264	5.320,670	57.173,163	10,745	10,276	93						
44	65	87.402	4.935,537	51.852,493	10,506	10,037	94						
45	66	86.456	4.573,390	46.916,956	10,259	9,790	95						
46	67	85.409	4.232,342	42.343,567	10,005	9,536	96						
47	68	84.254	3.911,101	38.111,224	9,744	9,275	97						
48	69	82.978	3.608,315	34.200,123	9,478	9,009	98						
49	70	81.585	3.323,407	30.591,808	9,205	8,736	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -22 Jahre

Zinsfuß 6,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	22	99.268	99.268,313	1.508.022,091	15,191	14,722	50	72	78.766	3.005,704	26.082,613	8,678	8,209
1	23	98.789	92.542,078	1.408.753,777	15,223	14,754	51	73	76.963	2.751,183	23.076,908	8,388	7,919
2	24	98.723	86.632,840	1.316.211,699	15,193	14,724	52	74	75.004	2.511,637	20.325,725	8,093	7,623
3	25	98.676	81.116,503	1.229.578,860	15,158	14,689	53	75	72.867	2.285,782	17.814,088	7,793	7,324
4	26	98.634	75.954,800	1.148.462,357	15,120	14,651	54	76	70.532	2.072,621	15.528,306	7,492	7,023
5	27	98.593	71.122,578	1.072.507,557	15,080	14,611	55	77	68.025	1.872,558	13.455,685	7,186	6,717
6	28	98.551	66.596,828	1.001.384,979	15,037	14,567	56	78	65.319	1.684,383	11.583,126	6,877	6,408
7	29	98.510	62.360,001	934.788,151	14,990	14,521	57	79	62.406	1.507,498	9.898,744	6,566	6,097
8	30	98.469	58.392,553	872.428,149	14,941	14,472	58	80	59.264	1.341,066	8.391,246	6,257	5,788
9	31	98.425	54.675,872	814.035,596	14,888	14,419	59	81	55.839	1.183,680	7.050,180	5,956	5,487
10	32	98.381	51.195,528	759.359,724	14,833	14,363	60	82	52.172	1.036,018	5.866,500	5,663	5,193
11	33	98.337	47.936,783	708.164,196	14,773	14,304	61	83	48.251	897,570	4.830,482	5,382	4,913
12	34	98.283	44.881,223	660.227,413	14,711	14,241	62	84	44.256	771,188	3.932,912	5,100	4,631
13	35	98.224	42.018,102	615.346,190	14,645	14,176	63	85	40.151	655,421	3.161,724	4,824	4,355
14	36	98.161	39.335,967	573.328,088	14,575	14,106	64	86	36.135	552,567	2.506,303	4,536	4,067
15	37	98.088	36.821,050	533.992,121	14,502	14,033	65	87	31.979	458,097	1.953,736	4,265	3,796
16	38	98.004	34.463,504	497.171,071	14,426	13,957	66	88	27.716	371,916	1.495,639	4,021	3,552
17	39	97.898	32.249,373	462.707,567	14,348	13,879	67	89	23.610	296,786	1.123,723	3,786	3,317
18	40	97.770	30.170,709	430.458,194	14,267	13,798	68	90	19.679	231,738	826,937	3,568	3,099
19	41	97.611	28.216,952	400.287,484	14,186	13,717	69	91	16.073	177,306	595,199	3,357	2,888
20	42	97.436	26.385,346	372.070,532	14,101	13,632	70	92	12.725	131,493	417,893	3,178	2,709
21	43	97.253	24.670,383	345.685,186	14,012	13,543	71	93	9.823	95,088	286,400	3,012	2,543
22	44	97.050	23.062,334	321.014,803	13,919	13,450	72	94	7.383	66,946	191,312	2,858	2,389
23	45	96.842	21.557,721	297.952,469	13,821	13,352	73	95	5.391	45,794	124,366	2,716	2,247
24	46	96.617	20.147,613	276.394,748	13,718	13,249	74	96	3.820	30,399	78,572	2,585	2,116
25	47	96.373	18.826,076	256.247,135	13,611	13,142	75	97	2.623	19,556	48,173	2,463	1,994
26	48	96.116	17.588,498	237.421,059	13,499	13,030	76	98	1.743	12,174	28,617	2,351	1,882
27	49	95.843	16.429,658	219.832,561	13,380	12,911	77	99	1.120	7,325	16,444	2,245	1,776
28	50	95.544	15.342,759	203.402,903	13,257	12,788	78	100	693	4,249	9,119	2,146	1,677
29	51	95.233	14.325,756	188.060,145	13,127	12,658	79	101	413	2,370	4,870	2,055	1,586
30	52	94.901	13.373,229	173.734,389	12,991	12,522	80	102	236	1,270	2,500	1,969	1,500
31	53	94.545	12.480,617	160.361,161	12,849	12,380	81	103	129	0,651	1,230	1,890	1,420
32	54	94.172	11.645,325	147.880,544	12,699	12,230	82	104	68	0,319	0,579	1,815	1,346
33	55	93.768	10.862,119	136.235,219	12,542	12,073	83	105	34	0,149	0,260	1,749	1,280
34	56	93.331	10.127,863	125.373,100	12,379	11,910	84	106					
35	57	92.868	9.440,345	115.245,238	12,208	11,739	85	107					
36	58	92.356	8.794,732	105.804,893	12,030	11,561	86	108					
37	59	91.808	8.189,695	97.010,161	11,845	11,376	87	109					
38	60	91.231	7.623,622	88.820,466	11,651	11,182	88	110					
39	61	90.604	7.092,471	81.196,843	11,448	10,979	89	111					
40	62	89.955	6.596,430	74.104,372	11,234	10,765	90	112					
41	63	89.235	6.129,865	67.507,942	11,013	10,544	91						
42	64	88.459	5.692,370	61.378,078	10,783	10,313	92						
43	65	87.619	5.281,761	55.685,708	10,543	10,074	93						
44	66	86.688	4.895,227	50.403,947	10,297	9,827	94						
45	67	85.673	4.531,970	45.508,720	10,042	9,573	95						
46	68	84.541	4.189,320	40.976,750	9,781	9,312	96						
47	69	83.290	3.866,368	36.787,430	9,515	9,046	97						
48	70	81.919	3.562,280	32.921,062	9,242	8,772	98						
49	71	80.425	3.276,170	29.358,782	8,961	8,492	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -23 Jahre

Zinsfuß 6,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	23	99.241	99.241,437	1.505.124,690	15,166	14,697	50	73	77.346	2.951,514	24.852,838	8,420	7,951
1	24	98.763	92.517,933	1.405.883,252	15,196	14,727	51	74	75.395	2.695,135	21.901,324	8,126	7,657
2	25	98.696	86.609,304	1.313.365,320	15,164	14,695	52	75	73.297	2.454,468	19.206,189	7,825	7,356
3	26	98.652	81.096,543	1.226.756,016	15,127	14,658	53	76	70.978	2.226,518	16.751,721	7,524	7,055
4	27	98.606	75.933,535	1.145.659,473	15,088	14,619	54	77	68.490	2.012,622	14.525,204	7,217	6,748
5	28	98.564	71.101,851	1.069.725,938	15,045	14,576	55	78	65.812	1.811,639	12.512,582	6,907	6,438
6	29	98.522	66.577,061	998.624,087	15,000	14,530	56	79	62.899	1.621,956	10.700,943	6,598	6,128
7	30	98.481	62.341,748	932.047,026	14,951	14,481	57	80	59.781	1.444,083	9.078,987	6,287	5,818
8	31	98.437	58.373,434	869.705,278	14,899	14,430	58	81	56.377	1.275,737	7.634,904	5,985	5,516
9	32	98.390	54.656,341	811.331,844	14,844	14,375	59	82	52.727	1.117,697	6.359,167	5,690	5,220
10	33	98.346	51.177,324	756.675,502	14,785	14,316	60	83	48.801	969,066	5.241,470	5,409	4,940
11	34	98.297	47.917,628	705.498,178	14,723	14,254	61	84	44.794	833,252	4.272,404	5,127	4,658
12	35	98.237	44.860,182	657.580,550	14,658	14,189	62	85	40.699	709,215	3.439,151	4,849	4,380
13	36	98.174	41.996,590	612.720,368	14,590	14,121	63	86	36.665	598,514	2.729,937	4,561	4,092
14	37	98.106	39.313,724	570.723,778	14,517	14,048	64	87	32.492	496,860	2.131,423	4,290	3,821
15	38	98.028	36.798,471	531.410,053	14,441	13,972	65	88	28.210	404,098	1.634,563	4,045	3,576
16	39	97.936	34.439,396	494.611,582	14,362	13,893	66	89	24.070	322,999	1.230,465	3,809	3,340
17	40	97.820	32.223,565	460.172,186	14,281	13,811	67	90	20.110	252,795	907,466	3,590	3,121
18	41	97.685	30.144,461	427.948,621	14,197	13,727	68	91	16.463	193,857	654,671	3,377	2,908
19	42	97.515	28.189,060	397.804,159	14,112	13,643	69	92	13.061	144,079	460,814	3,198	2,729
20	43	97.327	26.355,671	369.615,099	14,024	13,555	70	93	10.111	104,486	316,734	3,031	2,562
21	44	97.126	24.638,360	343.259,428	13,932	13,463	71	94	7.623	73,789	212,249	2,876	2,407
22	45	96.915	23.030,231	318.621,068	13,835	13,366	72	95	5.588	50,669	138,460	2,733	2,264
23	46	96.689	21.523,530	295.590,836	13,733	13,264	73	96	3.974	33,760	87,791	2,600	2,131
24	47	96.443	20.111,428	274.067,306	13,627	13,158	74	97	2.740	21,801	54,031	2,478	2,009
25	48	96.186	18.789,466	253.955,878	13,516	13,047	75	98	1.828	13,625	32,229	2,365	1,896
26	49	95.912	17.551,212	235.166,412	13,399	12,930	76	99	1.179	8,230	18,604	2,261	1,791
27	50	95.613	16.390,116	217.615,201	13,277	12,808	77	100	734	4,798	10,374	2,162	1,693
28	51	95.303	15.303,993	201.225,085	13,149	12,679	78	101	440	2,694	5,576	2,070	1,601
29	52	94.968	14.285,970	185.921,091	13,014	12,545	79	102	253	1,452	2,883	1,985	1,516
30	53	94.615	13.332,799	171.635,122	12,873	12,404	80	103	140	0,751	1,431	1,905	1,436
31	54	94.247	12.441,209	158.302,323	12,724	12,255	81	104	74	0,371	0,680	1,831	1,362
32	55	93.845	11.604,819	145.861,115	12,569	12,100	82	105	37	0,175	0,308	1,760	1,291
33	56	93.413	10.820,986	134.256,295	12,407	11,938	83	106					
34	57	92.956	10.087,202	123.435,310	12,237	11,768	84	107					
35	58	92.453	9.398,212	113.348,108	12,061	11,591	85	108					
36	59	91.912	8.752,380	103.949,896	11,877	11,408	86	109					
37	60	91.341	8.148,061	95.197,516	11,683	11,214	87	110					
38	61	90.729	7.581,660	87.049,455	11,482	11,012	88	111					
39	62	90.094	7.052,559	79.467,795	11,268	10,799	89	112					
40	63	89.389	6.554,919	72.415,236	11,047	10,578	90						
41	64	88.628	6.088,170	65.860,317	10,818	10,349	91						
42	65	87.813	5.650,743	59.772,146	10,578	10,109	92						
43	66	86.903	5.238,623	54.121,404	10,331	9,862	93						
44	67	85.903	4.850,892	48.882,781	10,077	9,608	94						
45	68	84.802	4.485,903	44.031,889	9,816	9,346	95						
46	69	83.574	4.141,405	39.545,986	9,549	9,080	96						
47	70	82.228	3.817,040	35.404,581	9,275	8,806	97						
48	71	80.755	3.511,647	31.587,541	8,995	8,526	98						
49	72	79.121	3.223,055	28.075,894	8,711	8,242	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -24 Jahre

Zinsfuß 6,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	24	99.216	99.215,545	1.502.041,427	15,139	14,670	50	74	75.770	2.891,385	23.581,467	8,156	7,687
1	25	98.736	92.492,798	1.402.825,882	15,167	14,698	51	75	73.679	2.633,789	20.690,082	7,856	7,387
2	26	98.672	86.587,992	1.310.333,085	15,133	14,664	52	76	71.397	2.390,829	18.056,293	7,552	7,083
3	27	98.624	81.073,839	1.223.745,093	15,094	14,625	53	77	68.923	2.162,064	15.665,463	7,246	6,776
4	28	98.578	75.911,406	1.142.671,254	15,053	14,584	54	78	66.262	1.947,146	13.503,400	6,935	6,466
5	29	98.535	71.080,746	1.066.759,848	15,008	14,539	55	79	63.373	1.744,496	11.556,253	6,624	6,155
6	30	98.493	66.557,573	995.679,101	14,960	14,491	56	80	60.253	1.553,726	9.811,757	6,315	5,846
7	31	98.449	62.321,336	929.121,528	14,909	14,439	57	81	56.869	1.373,735	8.258,031	6,011	5,542
8	32	98.402	58.352,583	866.800,192	14,855	14,385	58	82	53.234	1.204,622	6.884,295	5,715	5,246
9	33	98.355	54.636,907	808.447,609	14,797	14,328	59	83	49.319	1.045,467	5.679,673	5,433	4,964
10	34	98.307	51.156,875	753.810,702	14,735	14,266	60	84	45.304	899,625	4.634,206	5,151	4,682
11	35	98.251	47.895,164	702.653,827	14,671	14,202	61	85	41.194	766,291	3.734,581	4,874	4,404
12	36	98.187	44.837,215	654.758,663	14,603	14,134	62	86	37.166	647,637	2.968,291	4,583	4,114
13	37	98.118	41.972,843	609.921,448	14,531	14,062	63	87	32.969	538,175	2.320,653	4,312	3,843
14	38	98.046	39.289,616	567.948,605	14,455	13,986	64	88	28.662	438,291	1.782,478	4,067	3,598
15	39	97.959	36.772,730	528.658,989	14,376	13,907	65	89	24.499	350,948	1.344,187	3,830	3,361
16	40	97.857	34.411,836	491.886,259	14,294	13,825	66	90	20.503	275,123	993,239	3,610	3,141
17	41	97.735	32.195,531	457.474,423	14,209	13,740	67	91	16.823	211,472	718,116	3,396	2,927
18	42	97.589	30.114,664	425.278,892	14,122	13,653	68	92	13.378	157,528	506,644	3,216	2,747
19	43	97.405	28.157,357	395.164,228	14,034	13,565	69	93	10.379	114,487	349,115	3,049	2,580
20	44	97.200	26.321,461	367.006,871	13,943	13,474	70	94	7.846	81,082	234,628	2,894	2,425
21	45	96.991	24.604,064	340.685,410	13,847	13,378	71	95	5.769	55,848	153,547	2,749	2,280
22	46	96.761	22.993,705	316.081,346	13,746	13,277	72	96	4.119	37,354	97,699	2,615	2,146
23	47	96.515	21.484,874	293.087,641	13,642	13,172	73	97	2.850	24,212	60,344	2,492	2,023
24	48	96.256	20.072,319	271.602,767	13,531	13,062	74	98	1.909	15,190	36,133	2,379	1,910
25	49	95.982	18.749,633	251.530,448	13,415	12,946	75	99	1.236	9,211	20,943	2,274	1,805
26	50	95.681	17.508,971	232.780,815	13,295	12,826	76	100	772	5,391	11,732	2,176	1,707
27	51	95.371	16.348,704	215.271,844	13,168	12,698	77	101	465	3,042	6,341	2,085	1,615
28	52	95.038	15.261,490	198.923,140	13,034	12,565	78	102	269	1,650	3,299	1,999	1,530
29	53	94.681	14.242,780	183.661,650	12,895	12,426	79	103	150	0,859	1,649	1,920	1,450
30	54	94.316	13.290,700	169.418,870	12,747	12,278	80	104	80	0,428	0,790	1,845	1,376
31	55	93.919	12.397,935	156.128,170	12,593	12,124	81	105	40	0,204	0,362	1,775	1,306
32	56	93.490	11.560,874	143.730,235	12,432	11,963	82	106					
33	57	93.038	10.777,542	132.169,361	12,263	11,794	83	107					
34	58	92.541	10.042,182	121.391,819	12,088	11,619	84	108					
35	59	92.008	9.352,953	111.349,637	11,905	11,436	85	109					
36	60	91.444	8.707,885	101.996,684	11,713	11,244	86	110					
37	61	90.838	8.103,212	93.288,799	11,513	11,043	87	111					
38	62	90.218	7.538,995	85.185,587	11,299	10,830	88	112					
39	63	89.527	7.008,178	77.646,592	11,079	10,610	89						
40	64	88.781	6.510,334	70.638,414	10,850	10,381	90						
41	65	87.980	6.043,649	64.128,080	10,611	10,142	91						
42	66	87.095	5.604,591	58.084,431	10,364	9,895	92						
43	67	86.116	5.191,179	52.479,840	10,109	9,640	93						
44	68	85.030	4.801,583	47.288,662	9,849	9,379	94						
45	69	83.832	4.434,595	42.487,078	9,581	9,112	95						
46	70	82.508	4.088,568	38.052,483	9,307	8,838	96						
47	71	81.059	3.762,786	33.963,915	9,026	8,557	97						
48	72	79.446	3.454,715	30.201,129	8,742	8,273	98						
49	73	77.695	3.164,947	26.746,414	8,451	7,982	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -25 Jahre

Zinsfuß 6,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	25	99.189	99.188,590	1.498.758,890	15,110	14,641	50	75	74.046	2.825,572	22.272,454	7,882	7,413
1	26	98.712	92.470,038	1.399.570,300	15,135	14,666	51	76	71.769	2.565,502	19.446,882	7,580	7,111
2	27	98.644	86.563,751	1.307.100,261	15,100	14,631	52	77	69.330	2.321,619	16.881,380	7,271	6,802
3	28	98.596	81.050,211	1.220.536,510	15,059	14,590	53	78	66.681	2.091,726	14.559,761	6,961	6,492
4	29	98.548	75.888,874	1.139.486,299	15,015	14,546	54	79	63.806	1.874,981	12.468,035	6,650	6,181
5	30	98.506	71.059,940	1.063.597,425	14,968	14,498	55	80	60.707	1.671,112	10.593,054	6,339	5,870
6	31	98.461	66.535,781	992.537,485	14,917	14,448	56	81	57.317	1.478,038	8.921,942	6,036	5,567
7	32	98.414	62.299,075	926.001,703	14,864	14,395	57	82	53.699	1.297,158	7.443,904	5,739	5,269
8	33	98.367	58.331,834	863.702,629	14,807	14,338	58	83	49.794	1.126,774	6.146,746	5,455	4,986
9	34	98.316	54.615,075	805.370,795	14,746	14,277	59	84	45.785	970,551	5.019,972	5,172	4,703
10	35	98.261	51.132,892	750.755,720	14,682	14,213	60	85	41.663	827,330	4.049,421	4,895	4,425
11	36	98.201	47.870,643	699.622,828	14,615	14,146	61	86	37.617	699,758	3.222,091	4,605	4,135
12	37	98.131	44.811,862	651.752,184	14,544	14,075	62	87	33.419	582,346	2.522,333	4,331	3,862
13	38	98.058	41.947,104	606.940,323	14,469	14,000	63	88	29.082	474,736	1.939,987	4,086	3,617
14	39	97.977	39.262,133	564.993,218	14,390	13,921	64	89	24.892	380,644	1.465,251	3,849	3,380
15	40	97.881	36.743,302	525.731,086	14,308	13,839	65	90	20.868	298,929	1.084,607	3,628	3,159
16	41	97.772	34.381,898	488.987,783	14,222	13,753	66	91	17.151	230,151	785,678	3,414	2,945
17	42	97.638	32.163,706	454.605,885	14,134	13,665	67	92	13.670	171,843	555,527	3,233	2,764
18	43	97.479	30.080,795	422.442,179	14,044	13,574	68	93	10.630	125,174	383,685	3,065	2,596
19	44	97.279	28.120,808	392.361,384	13,953	13,484	69	94	8.054	88,843	258,511	2,910	2,441
20	45	97.065	26.284,821	364.240,576	13,857	13,388	70	95	5.939	61,368	169,668	2,765	2,296
21	46	96.837	24.565,041	337.955,754	13,758	13,288	71	96	4.253	41,172	108,301	2,630	2,161
22	47	96.588	22.952,409	313.390,713	13,654	13,185	72	97	2.954	26,789	67,128	2,506	2,037
23	48	96.327	21.443,094	290.438,305	13,545	13,075	73	98	1.986	16,869	40,339	2,391	1,922
24	49	96.052	20.029,767	268.995,211	13,430	12,961	74	99	1.290	10,269	23,470	2,286	1,816
25	50	95.751	18.704,508	248.965,444	13,310	12,841	75	100	809	6,034	13,201	2,188	1,719
26	51	95.439	17.464,732	230.260,936	13,184	12,715	76	101	489	3,418	7,167	2,097	1,628
27	52	95.106	16.303,300	212.796,204	13,052	12,583	77	102	285	1,864	3,749	2,012	1,543
28	53	94.751	15.215,352	196.492,904	12,914	12,445	78	103	159	0,976	1,886	1,932	1,463
29	54	94.382	14.197,808	181.277,552	12,768	12,299	79	104	85	0,490	0,910	1,858	1,389
30	55	93.988	13.244,471	167.079,744	12,615	12,146	80	105	44	0,235	0,420	1,788	1,318
31	56	93.563	12.350,986	153.835,273	12,455	11,986	81	106					
32	57	93.114	11.514,460	141.484,287	12,288	11,818	82	107					
33	58	92.623	10.729,441	129.969,827	12,113	11,644	83	108					
34	59	92.096	9.993,823	119.240,386	11,931	11,462	84	109					
35	60	91.540	9.305,405	109.246,563	11,740	11,271	85	110					
36	61	90.941	8.659,954	99.941,158	11,541	11,071	86	111					
37	62	90.327	8.057,612	91.281,204	11,329	10,859	87	112					
38	63	89.650	7.491,553	83.223,592	11,109	10,640	88						
39	64	88.918	6.960,510	75.732,039	10,880	10,411	89						
40	65	88.131	6.462,725	68.771,529	10,641	10,172	90						
41	66	87.261	5.994,288	62.308,804	10,395	9,926	91						
42	67	86.307	5.553,832	56.314,516	10,140	9,671	92						
43	68	85.241	5.138,410	50.760,684	9,879	9,410	93						
44	69	84.057	4.746,665	45.622,273	9,611	9,142	94						
45	70	82.762	4.378,018	40.875,609	9,337	8,867	95						
46	71	81.335	4.030,455	36.497,591	9,055	8,586	96						
47	72	79.745	3.701,783	32.467,136	8,771	8,302	97						
48	73	78.013	3.392,430	28.765,353	8,479	8,010	98						
49	74	76.112	3.100,469	25.372,923	8,184	7,714	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 1 Jahr

Zinsfuß 6,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	49	91.859	3.505,319	42.021,479	11,988	11,519
1	0	99.544	93.249,433	1.442.020,816	15,464	14,995	51	50	91.184	3.259,535	38.516,161	11,816	11,347
2	1	99.126	86.986,269	1.348.771,383	15,506	15,036	52	51	90.482	3.029,935	35.256,625	11,636	11,167
3	2	99.070	81.440,383	1.261.785,114	15,493	15,024	53	52	89.702	2.813,863	32.226,690	11,453	10,984
4	3	99.033	76.261,759	1.180.344,731	15,478	15,008	54	53	88.868	2.611,450	29.412,827	11,263	10,794
5	4	99.002	71.417,745	1.104.082,972	15,460	14,990	55	54	87.986	2.422,041	26.801,377	11,066	10,596
6	5	98.976	66.884,068	1.032.665,227	15,440	14,971	56	55	87.024	2.244,075	24.379,336	10,864	10,395
7	6	98.952	62.639,373	965.781,159	15,418	14,949	57	56	86.015	2.077,816	22.135,261	10,653	10,184
8	7	98.930	58.665,918	903.141,786	15,395	14,926	58	57	84.929	1.921,843	20.057,445	10,437	9,967
9	8	98.910	54.945,043	844.475,868	15,369	14,900	59	58	83.744	1.775,206	18.135,602	10,216	9,747
10	9	98.891	51.461,009	789.530,825	15,342	14,873	60	59	82.465	1.637,553	16.360,396	9,991	9,522
11	10	98.875	48.199,390	738.069,815	15,313	14,844	61	60	81.122	1.509,026	14.722,843	9,757	9,287
12	11	98.853	45.141,334	689.870,425	15,282	14,813	62	61	79.706	1.388,941	13.213,817	9,514	9,044
13	12	98.831	42.277,477	644.729,091	15,250	14,781	63	62	78.190	1.276,367	11.824,875	9,264	8,795
14	13	98.809	39.595,695	602.451,615	15,215	14,746	64	63	76.575	1.170,966	10.548,509	9,008	8,539
15	14	98.782	37.081,550	562.855,920	15,179	14,710	65	64	74.854	1.072,269	9.377,542	8,746	8,276
16	15	98.747	34.724,574	525.774,370	15,141	14,672	66	65	73.005	979,659	8.305,274	8,478	8,009
17	16	98.691	32.510,606	491.049,796	15,104	14,635	67	66	71.024	892,802	7.325,614	8,205	7,736
18	17	98.620	30.433,018	458.539,189	15,067	14,598	68	67	68.873	811,021	6.432,813	7,932	7,463
19	18	98.524	28.480,790	428.106,171	15,031	14,562	69	68	66.561	734,239	5.621,792	7,657	7,187
20	19	98.416	26.650,742	399.625,381	14,995	14,526	70	69	64.105	662,435	4.887,553	7,378	6,909
21	20	98.314	24.939,671	372.974,639	14,955	14,486	71	70	61.483	595,159	4.225,118	7,099	6,630
22	21	98.206	23.336,997	348.034,968	14,913	14,444	72	71	58.700	532,295	3.629,959	6,819	6,350
23	22	98.108	21.839,528	324.697,970	14,867	14,398	73	72	55.716	473,283	3.097,664	6,545	6,076
24	23	98.009	20.437,876	302.858,442	14,818	14,349	74	73	52.589	418,478	2.624,382	6,271	5,802
25	24	97.912	19.126,668	282.420,566	14,766	14,297	75	74	49.330	367,726	2.205,904	5,999	5,530
26	25	97.814	17.899,283	263.293,898	14,710	14,241	76	75	45.979	321,069	1.838,178	5,725	5,256
27	26	97.720	16.751,364	245.394,615	14,649	14,180	77	76	42.552	278,354	1.517,110	5,450	4,981
28	27	97.623	15.676,532	228.643,251	14,585	14,116	78	77	39.059	239,345	1.238,756	5,176	4,706
29	28	97.522	14.670,205	212.966,719	14,517	14,048	79	78	35.494	203,749	999,411	4,905	4,436
30	29	97.425	13.728,839	198.296,514	14,444	13,975	80	79	31.903	171,553	795,662	4,638	4,169
31	30	97.325	12.847,582	184.567,675	14,366	13,897	81	80	28.289	142,504	624,109	4,380	3,910
32	31	97.217	12.021,764	171.720,094	14,284	13,815	82	81	24.702	116,564	481,605	4,132	3,663
33	32	97.102	11.248,360	159.698,330	14,197	13,728	83	82	21.136	93,428	365,042	3,907	3,438
34	33	96.983	10.524,119	148.449,970	14,106	13,637	84	83	17.755	73,523	271,613	3,694	3,225
35	34	96.851	9.845,308	137.925,851	14,009	13,540	85	84	14.665	56,888	198,090	3,482	3,013
36	35	96.705	9.208,800	128.080,543	13,908	13,439	86	85	11.920	43,314	141,202	3,260	2,791
37	36	96.546	8.612,361	118.871,743	13,802	13,333	87	86	9.443	32,144	97,888	3,045	2,576
38	37	96.375	8.053,482	110.259,382	13,691	13,222	88	87	7.216	23,010	65,744	2,857	2,388
39	38	96.183	7.529,230	102.205,900	13,575	13,105	89	88	5.312	15,867	42,735	2,693	2,224
40	39	95.968	7.037,346	94.676,670	13,453	12,984	90	89	3.784	10,588	26,868	2,538	2,068
41	40	95.726	6.575,742	87.639,324	13,328	12,859	91	90	2.598	6,809	16,280	2,391	1,922
42	41	95.461	6.142,894	81.063,583	13,196	12,727	92	91	1.711	4,201	9,471	2,254	1,785
43	42	95.156	5.736,100	74.920,688	13,061	12,592	93	92	1.071	2,463	5,270	2,140	1,671
44	43	94.814	5.354,066	69.184,588	12,922	12,453	94	93	640	1,379	2,807	2,035	1,566
45	44	94.436	4.995,570	63.830,522	12,777	12,308	95	94	365	0,736	1,428	1,940	1,471
46	45	94.015	4.658,797	58.834,952	12,629	12,160	96	95	197	0,373	0,692	1,853	1,384
47	46	93.547	4.342,501	54.176,156	12,476	12,007	97	96	101	0,180	0,319	1,774	1,305
48	47	93.029	4.045,392	49.833,655	12,319	11,849	98	97	49	0,082	0,139	1,703	1,233
49	48	92.469	3.766,784	45.788,263	12,156	11,687	99	98	23	0,035	0,057	1,637	1,168
							100	99	10	0,014	0,022	1,577	1,108

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 2 Jahre

Zinsfuß 6,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	48	92.054	3.512,765	42.299,534	12,042	11,573
1							51	49	91.404	3.267,399	38.786,769	11,871	11,402
2	0	99.504	87.317,809	1.349.668,471	15,457	14,988	52	50	90.711	3.037,610	35.519,370	11,693	11,224
3	1	99.106	81.469,561	1.262.350,662	15,495	15,026	53	51	89.952	2.821,700	32.481,760	11,511	11,042
4	2	99.052	76.276,839	1.180.881,101	15,482	15,012	54	52	89.138	2.619,369	29.660,060	11,323	10,854
5	3	99.019	71.430,006	1.104.604,262	15,464	14,995	55	53	88.265	2.429,713	27.040,691	11,129	10,660
6	4	98.989	66.892,708	1.033.174,256	15,445	14,976	56	54	87.328	2.251,907	24.610,978	10,929	10,460
7	5	98.964	62.647,562	966.281,548	15,424	14,955	57	55	86.342	2.085,715	22.359,071	10,720	10,251
8	6	98.939	58.671,324	903.633,985	15,402	14,933	58	56	85.271	1.929,590	20.273,356	10,507	10,037
9	7	98.918	54.949,829	844.962,661	15,377	14,908	59	57	84.119	1.783,164	18.343,766	10,287	9,818
10	8	98.901	51.465,950	790.012,833	15,350	14,881	60	58	82.864	1.645,477	16.560,601	10,064	9,595
11	9	98.882	48.202,505	738.546,883	15,322	14,853	61	59	81.536	1.516,737	14.915,125	9,834	9,365
12	10	98.861	45.145,130	690.344,378	15,292	14,823	62	60	80.147	1.396,629	13.398,388	9,593	9,124
13	11	98.840	42.281,442	645.199,248	15,260	14,791	63	61	78.633	1.283,590	12.001,759	9,350	8,881
14	12	98.818	39.599,058	602.917,806	15,226	14,756	64	62	77.060	1.178,381	10.718,169	9,096	8,627
15	13	98.791	37.085,143	563.318,748	15,190	14,721	65	63	75.367	1.079,612	9.539,787	8,836	8,367
16	14	98.758	34.728,621	526.233,605	15,153	14,684	66	64	73.543	986,876	8.460,175	8,573	8,104
17	15	98.709	32.516,416	491.504,984	15,116	14,646	67	65	71.609	900,153	7.473,299	8,302	7,833
18	16	98.641	30.439,464	458.988,568	15,079	14,610	68	66	69.502	818,433	6.573,146	8,031	7,562
19	17	98.546	28.487,058	428.549,104	15,044	14,575	69	67	67.245	741,779	5.754,712	7,758	7,289
20	18	98.445	26.658,409	400.062,046	15,007	14,538	70	68	64.847	670,099	5.012,934	7,481	7,012
21	19	98.341	24.946,586	373.403,637	14,968	14,499	71	69	62.277	602,851	4.342,835	7,204	6,735
22	20	98.237	23.344,371	348.457,050	14,927	14,458	72	70	59.547	539,970	3.739,984	6,926	6,457
23	21	98.132	21.844,873	325.112,680	14,883	14,414	73	71	56.634	481,082	3.200,014	6,652	6,183
24	22	98.035	20.443,411	303.267,806	14,835	14,365	74	72	53.555	426,161	2.718,932	6,380	5,911
25	23	97.938	19.131,659	282.824,396	14,783	14,314	75	73	50.356	375,373	2.292,771	6,108	5,639
26	24	97.840	17.904,147	263.692,736	14,728	14,259	76	74	47.050	328,547	1.917,398	5,836	5,367
27	25	97.744	16.755,487	245.788,589	14,669	14,200	77	75	43.685	285,763	1.588,851	5,560	5,091
28	26	97.650	15.680,922	229.033,102	14,606	14,137	78	76	40.223	246,480	1.303,089	5,287	4,818
29	27	97.551	14.674,482	213.352,180	14,539	14,070	79	77	36.688	210,601	1.056,608	5,017	4,548
30	28	97.454	13.732,915	198.677,698	14,467	13,998	80	78	33.131	178,155	846,008	4,749	4,280
31	29	97.354	12.851,343	184.944,783	14,391	13,922	81	79	29.532	148,762	667,852	4,489	4,020
32	30	97.248	12.025,701	172.093,440	14,310	13,841	82	80	25.967	122,533	519,091	4,236	3,767
33	31	97.137	11.252,379	160.067,739	14,225	13,756	83	81	22.383	98,944	396,558	4,008	3,539
34	32	97.017	10.527,862	148.815,359	14,135	13,666	84	82	18.982	78,603	297,614	3,786	3,317
35	33	96.890	9.849,243	138.287,497	14,040	13,571	85	83	15.797	61,280	219,011	3,574	3,105
36	34	96.750	9.213,119	128.438,254	13,941	13,472	86	84	12.961	47,099	157,732	3,349	2,880
37	35	96.595	8.616,773	119.225,134	13,836	13,367	87	85	10.341	35,200	110,633	3,143	2,674
38	36	96.429	8.058,039	110.608,362	13,726	13,257	88	86	8.025	25,589	75,433	2,948	2,479
39	37	96.242	7.533,850	102.550,323	13,612	13,143	89	87	6.022	17,987	49,844	2,771	2,302
40	38	96.035	7.042,272	95.016,473	13,492	13,023	90	88	4.357	12,191	31,856	2,613	2,144
41	39	95.802	6.581,008	87.974,202	13,368	12,899	91	89	3.050	7,994	19,665	2,460	1,991
42	40	95.544	6.148,243	81.393,193	13,238	12,769	92	90	2.045	5,022	11,671	2,324	1,855
43	41	95.250	5.741,776	75.244,950	13,105	12,636	93	91	1.317	3,031	6,649	2,194	1,725
44	42	94.920	5.360,094	69.503,174	12,967	12,498	94	92	805	1,736	3,619	2,085	1,616
45	43	94.559	5.002,063	64.143,080	12,823	12,354	95	93	470	0,948	1,883	1,986	1,516
46	44	94.146	4.665,291	59.141,017	12,677	12,208	96	94	261	0,493	0,935	1,895	1,426
47	45	93.696	4.349,399	54.475,726	12,525	12,056	97	95	137	0,244	0,441	1,812	1,343
48	46	93.197	4.052,670	50.126,327	12,369	11,900	98	96	69	0,114	0,198	1,737	1,268
49	47	92.649	3.774,123	46.073,657	12,208	11,739	99	97	32	0,050	0,084	1,669	1,199
							100	98	14	0,021	0,034	1,606	1,137

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 3 Jahre

Zinsfuß 6,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	47	92.234	3.519,610	42.556,225	12,091	11,622
1							51	48	91.598	3.274,341	39.036,615	11,922	11,453
2							52	49	90.930	3.044,938	35.762,275	11,745	11,276
3	0	99.484	81.780,074	1.263.180,050	15,446	14,977	53	50	90.179	2.828,847	32.717,337	11,566	11,096
4	1	99.088	76.304,167	1.181.399,976	15,483	15,014	54	51	89.386	2.626,664	29.888,489	11,379	10,910
5	2	99.039	71.444,132	1.105.095,809	15,468	14,999	55	52	88.533	2.437,081	27.261,825	11,186	10,717
6	3	99.006	66.904,192	1.033.651,677	15,450	14,981	56	53	87.604	2.259,040	24.824,745	10,989	10,520
7	4	98.977	62.655,655	966.747,485	15,430	14,960	57	54	86.644	2.092,995	22.565,705	10,782	10,312
8	5	98.952	58.678,995	904.091,831	15,407	14,938	58	55	85.595	1.936,925	20.472,710	10,570	10,101
9	6	98.928	54.954,893	845.412,836	15,384	14,915	59	56	84.459	1.790,352	18.535,785	10,353	9,884
10	7	98.909	51.470,432	790.457,943	15,358	14,888	60	57	83.235	1.652,854	16.745,433	10,131	9,662
11	8	98.891	48.207,132	738.987,511	15,329	14,860	61	58	81.931	1.524,076	15.092,579	9,903	9,434
12	9	98.868	45.148,048	690.780,379	15,300	14,831	62	59	80.557	1.403,765	13.568,503	9,666	9,197
13	10	98.848	42.284,997	645.632,331	15,269	14,799	63	60	79.068	1.290,694	12.164,738	9,425	8,956
14	11	98.827	39.602,772	603.347,334	15,235	14,766	64	61	77.496	1.185,050	10.874,043	9,176	8,707
15	12	98.800	37.088,293	563.744,562	15,200	14,731	65	62	75.844	1.086,449	9.688,993	8,918	8,449
16	13	98.768	34.731,986	526.656,269	15,163	14,694	66	63	74.047	993,635	8.602,544	8,658	8,189
17	14	98.720	32.520,205	491.924,282	15,127	14,658	67	64	72.136	906,785	7.608,909	8,391	7,922
18	15	98.659	30.444,904	459.404,077	15,090	14,621	68	65	70.075	825,173	6.702,125	8,122	7,653
19	16	98.567	28.493,092	428.959,173	15,055	14,586	69	66	67.859	748,558	5.876,952	7,851	7,382
20	17	98.466	26.664,276	400.466,081	15,019	14,550	70	67	65.513	676,980	5.128,394	7,575	7,106
21	18	98.370	24.953,763	373.801,805	14,980	14,511	71	68	62.998	609,826	4.451,413	7,299	6,830
22	19	98.264	23.350,844	348.848,043	14,939	14,470	72	69	60.316	546,948	3.841,588	7,024	6,555
23	20	98.163	21.851,775	325.497,199	14,896	14,427	73	70	57.450	488,019	3.294,640	6,751	6,282
24	21	98.059	20.448,414	303.645,424	14,849	14,380	74	71	54.437	433,184	2.806,621	6,479	6,010
25	22	97.964	19.136,840	283.197,010	14,799	14,329	75	72	51.281	382,265	2.373,438	6,209	5,740
26	23	97.866	17.908,820	264.060,169	14,745	14,276	76	73	48.028	335,379	1.991,173	5,937	5,468
27	24	97.771	16.760,040	246.151,349	14,687	14,218	77	74	44.703	292,419	1.655,793	5,662	5,193
28	25	97.674	15.684,781	229.391,309	14,625	14,156	78	75	41.294	253,041	1.363,375	5,388	4,919
29	26	97.578	14.678,591	213.706,528	14,559	14,090	79	76	37.782	216,879	1.110,334	5,120	4,650
30	27	97.482	13.736,918	199.027,937	14,489	14,019	80	77	34.245	184,146	893,455	4,852	4,383
31	28	97.383	12.855,159	185.291,018	14,414	13,945	81	78	30.668	154,487	709,308	4,591	4,122
32	29	97.277	12.029,222	172.435,859	14,335	13,866	82	79	27.107	127,913	554,821	4,337	3,868
33	30	97.169	11.256,065	160.406,637	14,251	13,782	83	80	23.529	104,011	426,908	4,104	3,635
34	31	97.052	10.531,624	149.150,572	14,162	13,693	84	81	20.102	83,243	322,897	3,879	3,410
35	32	96.924	9.852,747	138.618,948	14,069	13,600	85	82	16.889	65,513	239,654	3,658	3,189
36	33	96.789	9.216,802	128.766,201	13,971	13,502	86	83	13.962	50,734	174,141	3,432	2,963
37	34	96.641	8.620,814	119.549,399	13,868	13,398	87	84	11.244	38,276	123,407	3,224	2,755
38	35	96.479	8.062,166	110.928,585	13,759	13,290	88	85	8.788	28,022	85,131	3,038	2,569
39	36	96.296	7.538,112	102.866,419	13,646	13,177	89	86	6.697	20,004	57,108	2,855	2,386
40	37	96.094	7.046,593	95.328,306	13,528	13,059	90	87	4.939	13,820	37,104	2,685	2,216
41	38	95.869	6.585,615	88.281,713	13,405	12,936	91	88	3.511	9,205	23,284	2,530	2,060
42	39	95.620	6.153,167	81.696,099	13,277	12,808	92	89	2.401	5,896	14,079	2,388	1,919
43	40	95.333	5.746,776	75.542,931	13,145	12,676	93	90	1.575	3,623	8,183	2,259	1,790
44	41	95.014	5.365,398	69.796,155	13,009	12,539	94	91	991	2,136	4,561	2,135	1,666
45	42	94.666	5.007,695	64.430,758	12,866	12,397	95	92	591	1,194	2,425	2,032	1,562
46	43	94.268	4.671,354	59.423,063	12,721	12,252	96	93	336	0,636	1,231	1,937	1,468
47	44	93.826	4.355,462	54.751,709	12,571	12,102	97	94	182	0,322	0,596	1,851	1,382
48	45	93.345	4.059,108	50.396,247	12,416	11,946	98	95	93	0,154	0,274	1,772	1,303
49	46	92.816	3.780,913	46.337,139	12,256	11,786	99	96	45	0,070	0,119	1,701	1,232
							100	97	21	0,030	0,049	1,636	1,166

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 4 Jahre

Zinsfuß 6,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	46	92.399	3.525,942	42.793,052	12,137	11,668
1							51	47	91.776	3.280,720	39.267,110	11,969	11,500
2							52	48	91.123	3.051,407	35.986,390	11,793	11,324
3							53	49	90.397	2.835,672	32.934,983	11,615	11,145
4	0	99.465	76.594,993	1.182.166,643	15,434	14,965	54	50	89.613	2.633,317	30.099,311	11,430	10,961
5	1	99.074	71.469,728	1.105.571,649	15,469	15,000	55	51	88.779	2.443,868	27.465,993	11,239	10,770
6	2	99.025	66.917,422	1.034.101,922	15,453	14,984	56	52	87.870	2.265,890	25.022,126	11,043	10,574
7	3	98.994	62.666,411	967.184,499	15,434	14,965	57	53	86.918	2.099,624	22.756,235	10,838	10,369
8	4	98.965	58.686,574	904.518,088	15,413	14,944	58	54	85.894	1.943,686	20.656,611	10,628	10,158
9	5	98.940	54.962,077	845.831,514	15,389	14,920	59	55	84.780	1.797,158	18.712,925	10,413	9,943
10	6	98.918	51.475,175	790.869,437	15,364	14,895	60	56	83.571	1.659,516	16.915,767	10,193	9,724
11	7	98.900	48.211,331	739.394,261	15,337	14,867	61	57	82.298	1.530,909	15.256,251	9,965	9,496
12	8	98.877	45.152,382	691.182,930	15,308	14,839	62	58	80.947	1.410,558	13.725,342	9,730	9,261
13	9	98.855	42.287,730	646.030,548	15,277	14,808	63	59	79.472	1.297,290	12.314,785	9,493	9,024
14	10	98.835	39.606,103	603.742,818	15,244	14,775	64	60	77.925	1.191,609	11.017,495	9,246	8,777
15	11	98.809	37.091,771	564.136,716	15,209	14,740	65	61	76.273	1.092,598	9.825,886	8,993	8,524
16	12	98.776	34.734,936	527.044,944	15,173	14,704	66	62	74.516	999,927	8.733,288	8,734	8,265
17	13	98.730	32.523,357	492.310,008	15,137	14,668	67	63	72.630	912,995	7.733,361	8,470	8,001
18	14	98.670	30.448,452	459.786,651	15,100	14,631	68	64	70.591	831,252	6.820,367	8,205	7,736
19	15	98.584	28.498,184	429.338,200	15,065	14,596	69	65	68.418	754,722	5.989,115	7,936	7,466
20	16	98.487	26.669,924	400.840,016	15,030	14,561	70	66	66.112	683,168	5.234,393	7,662	7,193
21	17	98.391	24.959,254	374.170,092	14,991	14,522	71	67	63.645	616,088	4.551,225	7,387	6,918
22	18	98.293	23.357,561	349.210,838	14,951	14,482	72	68	61.014	553,276	3.935,137	7,112	6,643
23	19	98.190	21.857,834	325.853,276	14,908	14,439	73	69	58.193	494,325	3.381,861	6,841	6,372
24	20	98.090	20.454,874	303.995,442	14,862	14,393	74	70	55.222	439,430	2.887,536	6,571	6,102
25	21	97.988	19.141,524	283.540,567	14,813	14,344	75	71	52.126	388,564	2.448,106	6,300	5,831
26	22	97.893	17.913,670	264.399,044	14,760	14,290	76	72	48.910	341,537	2.059,542	6,030	5,561
27	23	97.796	16.764,414	246.485,374	14,703	14,234	77	73	45.632	298,500	1.718,005	5,755	5,286
28	24	97.701	15.689,044	229.720,960	14,642	14,173	78	74	42.256	258,935	1.419,505	5,482	5,013
29	25	97.602	14.682,204	214.031,916	14,578	14,109	79	75	38.787	222,652	1.160,570	5,212	4,743
30	26	97.510	13.740,765	199.349,712	14,508	14,039	80	76	35.266	189,636	937,918	4,946	4,477
31	27	97.411	12.858,907	185.608,947	14,434	13,965	81	77	31.700	159,682	748,283	4,686	4,217
32	28	97.306	12.032,794	172.750,040	14,357	13,887	82	78	28.150	132,837	588,600	4,431	3,962
33	29	97.197	11.259,361	160.717,246	14,274	13,805	83	79	24.563	108,578	455,764	4,198	3,728
34	30	97.084	10.535,074	149.457,885	14,187	13,718	84	80	21.132	87,506	347,186	3,968	3,498
35	31	96.959	9.856,268	138.922,812	14,095	13,626	85	81	17.886	69,381	259,680	3,743	3,274
36	32	96.823	9.220,080	129.066,544	13,998	13,529	86	82	14.926	54,239	190,299	3,509	3,039
37	33	96.679	8.624,260	119.846,464	13,896	13,427	87	83	12.112	41,231	136,060	3,300	2,831
38	34	96.524	8.065,947	111.222,204	13,789	13,320	88	84	9.556	30,471	94,829	3,112	2,643
39	35	96.346	7.541,973	103.156,256	13,678	13,208	89	85	7.333	21,906	64,358	2,938	2,469
40	36	96.148	7.050,580	95.614,283	13,561	13,092	90	86	5.493	15,370	42,452	2,762	2,293
41	37	95.928	6.589,656	88.563,703	13,440	12,971	91	87	3.981	10,435	27,082	2,595	2,126
42	38	95.687	6.157,475	81.974,047	13,313	12,844	92	88	2.765	6,789	16,647	2,452	1,983
43	39	95.409	5.751,378	75.816,573	13,182	12,713	93	89	1.849	4,253	9,859	2,318	1,849
44	40	95.097	5.370,070	70.065,194	13,047	12,578	94	90	1.185	2,553	5,606	2,196	1,726
45	41	94.759	5.012,649	64.695,124	12,906	12,437	95	91	728	1,469	3,053	2,078	1,609
46	42	94.374	4.676,614	59.682,475	12,762	12,293	96	92	423	0,800	1,584	1,980	1,511
47	43	93.948	4.361,123	55.005,861	12,613	12,144	97	93	234	0,415	0,784	1,890	1,421
48	44	93.475	4.064,766	50.644,738	12,459	11,990	98	94	123	0,204	0,369	1,808	1,339
49	45	92.963	3.786,920	46.579,972	12,300	11,831	99	95	61	0,095	0,165	1,734	1,264
							100	96	29	0,042	0,070	1,666	1,196

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 5 Jahre

Zinsfuß 6,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	45	92.546	3.531,543	43.011,192	12,179	11,710
1							51	46	91.942	3.286,623	39.479,648	12,012	11,543
2							52	47	91.301	3.057,352	36.193,025	11,838	11,369
3							53	48	90.589	2.841,696	33.135,673	11,661	11,191
4							54	49	89.829	2.639,670	30.293,977	11,476	11,007
5	0	99.452	71.742,128	1.106.280,255	15,420	14,951	55	50	89.004	2.450,058	27.654,306	11,287	10,818
6	1	99.061	66.941,397	1.034.538,127	15,454	14,985	56	51	88.115	2.272,201	25.204,248	11,092	10,623
7	2	99.014	62.678,804	967.596,730	15,437	14,968	57	52	87.182	2.105,991	22.932,047	10,889	10,420
8	3	98.982	58.696,649	904.917,926	15,417	14,948	58	53	86.166	1.949,842	20.826,056	10,681	10,212
9	4	98.953	54.969,177	846.221,277	15,394	14,925	59	54	85.076	1.803,431	18.876,214	10,467	9,998
10	5	98.931	51.481,905	791.252,100	15,370	14,900	60	55	83.888	1.665,824	17.072,783	10,249	9,780
11	6	98.909	48.215,774	739.770,195	15,343	14,874	61	56	82.630	1.537,080	15.406,959	10,024	9,554
12	7	98.886	45.156,315	691.554,421	15,315	14,846	62	57	81.310	1.416,881	13.869,879	9,789	9,320
13	8	98.864	42.291,790	646.398,106	15,284	14,815	63	58	79.856	1.303,567	12.452,997	9,553	9,084
14	9	98.842	39.608,662	604.106,317	15,252	14,783	64	59	78.323	1.197,698	11.149,430	9,309	8,840
15	10	98.817	37.094,891	564.497,655	15,218	14,749	65	60	76.695	1.098,645	9.951,733	9,058	8,589
16	11	98.786	34.738,194	527.402,764	15,182	14,713	66	61	74.938	1.005,586	8.853,088	8,804	8,335
17	12	98.738	32.526,119	492.664,570	15,147	14,678	67	62	73.090	918,776	7.847,502	8,541	8,072
18	13	98.680	30.451,402	460.138,451	15,111	14,641	68	63	71.074	836,944	6.928,725	8,279	7,809
19	14	98.596	28.501,505	429.687,049	15,076	14,607	69	64	68.922	760,282	6.091,781	8,013	7,543
20	15	98.505	26.674,690	401.185,544	15,040	14,571	70	65	66.656	688,793	5.331,499	7,740	7,271
21	16	98.412	24.964,541	374.510,854	15,002	14,533	71	66	64.226	621,719	4.642,706	7,468	6,998
22	17	98.314	23.362,702	349.546,313	14,962	14,493	72	67	61.641	558,958	4.020,987	7,194	6,725
23	18	98.219	21.864,122	326.183,611	14,919	14,450	73	68	58.866	500,045	3.462,029	6,923	6,454
24	19	98.117	20.460,546	304.319,489	14,873	14,404	74	69	55.936	445,108	2.961,985	6,655	6,185
25	20	98.019	19.147,572	283.858,943	14,825	14,356	75	70	52.878	394,167	2.516,876	6,385	5,916
26	21	97.916	17.918,054	264.711,371	14,773	14,304	76	71	49.716	347,165	2.122,709	6,114	5,645
27	22	97.823	16.768,954	246.793,317	14,717	14,248	77	72	46.470	303,980	1.775,544	5,841	5,372
28	23	97.726	15.693,138	230.024,363	14,658	14,189	78	73	43.134	264,320	1.471,564	5,567	5,098
29	24	97.629	14.686,194	214.331,225	14,594	14,125	79	74	39.691	227,838	1.207,244	5,299	4,830
30	25	97.534	13.744,147	199.645,031	14,526	14,057	80	75	36.204	194,683	979,406	5,031	4,562
31	26	97.438	12.862,508	185.900,884	14,453	13,984	81	76	32.645	164,442	784,723	4,772	4,303
32	27	97.334	12.036,302	173.038,376	14,376	13,907	82	77	29.097	137,303	620,280	4,518	4,048
33	28	97.226	11.262,704	161.002,074	14,295	13,826	83	78	25.508	112,757	482,977	4,283	3,814
34	29	97.112	10.538,158	149.739,371	14,209	13,740	84	79	22.060	91,348	370,220	4,053	3,584
35	30	96.991	9.859,496	139.201,212	14,118	13,649	85	80	18.802	72,934	278,871	3,824	3,354
36	31	96.858	9.223,375	129.341,717	14,023	13,554	86	81	15.807	57,441	205,938	3,585	3,116
37	32	96.714	8.627,328	120.118,342	13,923	13,454	87	82	12.949	44,079	148,496	3,369	2,900
38	33	96.563	8.069,172	111.491,014	13,817	13,348	88	83	10.293	32,823	104,417	3,181	2,712
39	34	96.391	7.545,511	103.421,842	13,706	13,237	89	84	7.974	23,820	71,594	3,006	2,536
40	35	96.197	7.054,191	95.876,331	13,591	13,122	90	85	6.015	16,831	47,774	2,838	2,369
41	36	95.982	6.593,384	88.822,140	13,471	13,002	91	86	4.427	11,605	30,942	2,666	2,197
42	37	95.746	6.161,253	82.228,756	13,346	12,877	92	87	3.134	7,696	19,338	2,513	2,044
43	38	95.476	5.755,404	76.067,503	13,217	12,748	93	88	2.129	4,897	11,642	2,377	1,908
44	39	95.173	5.374,371	70.312,099	13,083	12,614	94	89	1.391	2,997	6,745	2,250	1,781
45	40	94.842	5.017,014	64.937,728	12,944	12,474	95	90	870	1,756	3,747	2,134	1,665
46	41	94.468	4.681,241	59.920,714	12,800	12,331	96	91	521	0,984	1,992	2,023	1,554
47	42	94.054	4.366,033	55.239,472	12,652	12,183	97	92	295	0,522	1,007	1,930	1,461
48	43	93.596	4.070,049	50.873,439	12,499	12,030	98	93	159	0,263	0,485	1,845	1,375
49	44	93.093	3.792,198	46.803,390	12,342	11,873	99	94	81	0,126	0,222	1,767	1,298
							100	95	39	0,057	0,096	1,696	1,227

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 6 Jahre

Zinsfuß 6,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	44	92.675	3.536,466	43.211,785	12,219	11,750
1							51	45	92.088	3.291,844	39.675,319	12,053	11,583
2							52	46	91.465	3.062,853	36.383,475	11,879	11,410
3							53	47	90.766	2.847,233	33.320,622	11,703	11,234
4							54	48	90.020	2.645,278	30.473,389	11,520	11,051
5							55	49	89.219	2.455,969	27.828,110	11,331	10,862
6	0	99.438	67.196,538	1.035.193,004	15,405	14,936	56	50	88.338	2.277,956	25.372,141	11,138	10,669
7	1	99.049	62.701,260	967.996,467	15,438	14,969	57	51	87.425	2.111,856	23.094,185	10,935	10,466
8	2	99.002	58.708,257	905.295,207	15,420	14,951	58	52	86.427	1.955,755	20.982,329	10,729	10,259
9	3	98.970	54.978,614	846.586,950	15,398	14,929	59	53	85.345	1.809,143	19.026,574	10,517	10,048
10	4	98.944	51.488,555	791.608,337	15,374	14,905	60	54	84.181	1.671,639	17.217,431	10,300	9,831
11	5	98.922	48.222,077	740.119,781	15,348	14,879	61	55	82.944	1.542,923	15.545,792	10,076	9,606
12	6	98.895	45.160,476	691.897,704	15,321	14,852	62	56	81.637	1.422,593	14.002,869	9,843	9,374
13	7	98.873	42.295,473	646.737,228	15,291	14,822	63	57	80.214	1.309,411	12.580,277	9,608	9,138
14	8	98.851	39.612,465	604.441,755	15,259	14,790	64	58	78.702	1.203,493	11.270,865	9,365	8,896
15	9	98.824	37.097,288	564.829,290	15,226	14,756	65	59	77.087	1.104,259	10.067,372	9,117	8,648
16	10	98.794	34.741,115	527.732,002	15,190	14,721	66	60	75.352	1.011,151	8.963,113	8,864	8,395
17	11	98.748	32.529,170	492.990,887	15,155	14,686	67	61	73.504	923,976	7.951,962	8,606	8,137
18	12	98.688	30.453,989	460.461,717	15,120	14,651	68	62	71.524	842,245	7.027,986	8,344	7,875
19	13	98.605	28.504,267	430.007,729	15,086	14,617	69	63	69.394	765,489	6.185,741	8,081	7,612
20	14	98.516	26.677,798	401.503,462	15,050	14,581	70	64	67.147	693,867	5.420,253	7,812	7,343
21	15	98.430	24.969,002	374.825,664	15,012	14,543	71	65	64.755	626,838	4.726,385	7,540	7,071
22	16	98.335	23.367,650	349.856,661	14,972	14,503	72	66	62.204	564,066	4.099,547	7,268	6,799
23	17	98.240	21.868,934	326.489,011	14,929	14,460	73	67	59.470	505,180	3.535,481	6,998	6,529
24	18	98.146	20.466,432	304.620,077	14,884	14,415	74	68	56.583	450,258	3.030,301	6,730	6,261
25	19	98.046	19.152,881	284.153,645	14,836	14,367	75	69	53.561	399,261	2.580,043	6,462	5,993
26	20	97.947	17.923,715	265.000,764	14,785	14,316	76	70	50.433	352,171	2.180,782	6,192	5,723
27	21	97.846	16.773,058	247.077,049	14,731	14,261	77	71	47.236	308,990	1.828,611	5,918	5,449
28	22	97.753	15.697,388	230.303,991	14,671	14,202	78	72	43.926	269,173	1.519,621	5,646	5,176
29	23	97.654	14.690,026	214.606,602	14,609	14,140	79	73	40.516	232,576	1.250,449	5,377	4,907
30	24	97.560	13.747,882	199.916,576	14,542	14,072	80	74	37.048	199,218	1.017,873	5,109	4,640
31	25	97.462	12.865,673	186.168,694	14,470	14,001	81	75	33.514	168,820	818,655	4,849	4,380
32	26	97.361	12.039,672	173.303,020	14,394	13,925	82	76	29.964	141,397	649,835	4,596	4,127
33	27	97.254	11.265,987	161.263,348	14,314	13,845	83	77	26.366	116,549	508,438	4,362	3,893
34	28	97.141	10.541,287	149.997,361	14,230	13,760	84	78	22.909	94,864	391,890	4,131	3,662
35	29	97.019	9.862,382	139.456,074	14,140	13,671	85	79	19.627	76,137	297,026	3,901	3,432
36	30	96.889	9.226,396	129.593,691	14,046	13,577	86	80	16.617	60,383	220,889	3,658	3,189
37	31	96.748	8.630,411	120.367,295	13,947	13,478	87	81	13.714	46,681	160,506	3,438	2,969
38	32	96.597	8.072,042	111.736,885	13,842	13,373	88	82	11.004	35,091	113,825	3,244	2,775
39	33	96.429	7.548,527	103.664,843	13,733	13,264	89	83	8.590	25,659	78,734	3,068	2,599
40	34	96.242	7.057,500	96.116,315	13,619	13,150	90	84	6.540	18,302	53,075	2,900	2,431
41	35	96.032	6.596,761	89.058,816	13,500	13,031	91	85	4.848	12,708	34,773	2,736	2,267
42	36	95.800	6.164,739	82.462,054	13,376	12,907	92	86	3.485	8,559	22,065	2,578	2,109
43	37	95.535	5.758,936	76.297,315	13,249	12,779	93	87	2.413	5,552	13,506	2,433	1,964
44	38	95.240	5.378,133	70.538,380	13,116	12,647	94	88	1.602	3,451	7,955	2,305	1,836
45	39	94.918	5.021,032	65.160,247	12,977	12,508	95	89	1.021	2,061	4,503	2,185	1,715
46	40	94.550	4.685,318	60.139,215	12,836	12,367	96	90	622	1,177	2,442	2,075	1,606
47	41	94.147	4.370,353	55.453,897	12,689	12,220	97	91	363	0,642	1,265	1,970	1,501
48	42	93.702	4.074,632	51.083,544	12,537	12,068	98	92	199	0,331	0,623	1,881	1,412
49	43	93.214	3.797,127	47.008,912	12,380	11,911	99	93	104	0,162	0,292	1,801	1,332
							100	94	52	0,075	0,130	1,727	1,258

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 7 Jahre

Zinsfuß 6,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	43	92.796	3.541,063	43.396,236	12,255	11,786
1							51	44	92.216	3.296,433	39.855,174	12,090	11,621
2							52	45	91.611	3.067,719	36.558,741	11,917	11,448
3							53	46	90.929	2.852,356	33.491,022	11,742	11,272
4							54	47	90.195	2.650,432	30.638,667	11,560	11,091
5							55	48	89.408	2.461,187	27.988,234	11,372	10,903
6							56	49	88.551	2.283,452	25.527,048	11,179	10,710
7	0	99.427	62.940,240	968.601,661	15,389	14,920	57	50	87.646	2.117,206	23.243,595	10,978	10,509
8	1	99.037	58.729,290	905.661,422	15,421	14,952	58	51	86.668	1.961,202	21.126,390	10,772	10,303
9	2	98.990	54.989,486	846.932,132	15,402	14,933	59	52	85.604	1.814,629	19.165,188	10,561	10,092
10	3	98.961	51.497,395	791.942,646	15,378	14,909	60	53	84.448	1.676,934	17.350,559	10,347	9,877
11	4	98.935	48.228,306	740.445,251	15,353	14,884	61	54	83.234	1.548,308	15.673,625	10,123	9,654
12	5	98.908	45.166,380	692.216,945	15,326	14,857	62	55	81.948	1.428,000	14.125,317	9,892	9,423
13	6	98.882	42.299,371	647.050,564	15,297	14,828	63	56	80.538	1.314,689	12.697,317	9,658	9,189
14	7	98.860	39.615,915	604.751,194	15,265	14,796	64	57	79.055	1.208,889	11.382,628	9,416	8,947
15	8	98.833	37.100,849	565.135,279	15,232	14,763	65	58	77.460	1.109,602	10.173,739	9,169	8,700
16	9	98.800	34.743,360	528.034,430	15,198	14,729	66	59	75.737	1.016,318	9.064,137	8,919	8,449
17	10	98.756	32.531,905	493.291,069	15,163	14,694	67	60	73.910	929,090	8.047,819	8,662	8,193
18	11	98.698	30.456,845	460.759,164	15,128	14,659	68	61	71.929	847,011	7.118,729	8,405	7,935
19	12	98.614	28.506,688	430.302,319	15,095	14,626	69	62	69.834	770,336	6.271,718	8,142	7,672
20	13	98.526	26.680,383	401.795,631	15,060	14,590	70	63	67.607	698,619	5.501,381	7,875	7,406
21	14	98.441	24.971,912	375.115,248	15,021	14,552	71	64	65.232	631,456	4.802,762	7,606	7,137
22	15	98.353	23.371,826	350.143,336	14,981	14,512	72	65	62.716	568,711	4.171,306	7,335	6,866
23	16	98.261	21.873,566	326.771,510	14,939	14,470	73	66	60.014	509,797	3.602,595	7,067	6,598
24	17	98.167	20.470,936	304.897,943	14,894	14,425	74	67	57.164	454,882	3.092,798	6,799	6,330
25	18	98.075	19.158,391	284.427,007	14,846	14,377	75	68	54.181	403,880	2.637,916	6,531	6,062
26	19	97.975	17.928,685	265.268,616	14,796	14,327	76	69	51.085	356,722	2.234,036	6,263	5,794
27	20	97.877	16.778,358	247.339,931	14,742	14,272	77	70	47.917	313,445	1.877,314	5,989	5,520
28	21	97.776	15.701,230	230.561,574	14,684	14,215	78	71	44.650	273,608	1.563,869	5,716	5,247
29	22	97.681	14.694,005	214.860,344	14,622	14,153	79	72	41.260	236,846	1.290,260	5,448	4,979
30	23	97.586	13.751,470	200.166,339	14,556	14,087	80	73	37.818	203,361	1.053,414	5,180	4,711
31	24	97.489	12.869,170	186.414,869	14,485	14,016	81	74	34.294	172,752	850,054	4,921	4,452
32	25	97.385	12.042,636	173.545,699	14,411	13,942	82	75	30.762	145,160	677,302	4,666	4,197
33	26	97.282	11.269,142	161.503,064	14,331	13,862	83	76	27.152	120,023	532,142	4,434	3,965
34	27	97.169	10.544,360	150.233,922	14,248	13,779	84	77	23.679	98,054	412,118	4,203	3,734
35	28	97.048	9.865,311	139.689,562	14,160	13,691	85	78	20.383	79,067	314,064	3,972	3,503
36	29	96.918	9.229,097	129.824,251	14,067	13,598	86	79	17.347	63,034	234,997	3,728	3,259
37	30	96.780	8.633,237	120.595,154	13,969	13,500	87	80	14.416	49,072	171,963	3,504	3,035
38	31	96.631	8.074,926	111.961,916	13,865	13,396	88	81	11.654	37,163	122,891	3,307	2,838
39	32	96.464	7.551,212	103.886,990	13,758	13,289	89	82	9.183	27,432	85,728	3,125	2,656
40	33	96.281	7.060,321	96.335,778	13,645	13,176	90	83	7.045	19,715	58,297	2,957	2,488
41	34	96.077	6.599,855	89.275,456	13,527	13,058	91	84	5.272	13,819	38,582	2,792	2,323
42	35	95.849	6.167,896	82.675,601	13,404	12,935	92	85	3.817	9,372	24,763	2,642	2,173
43	36	95.589	5.762,194	76.507,705	13,278	12,808	93	86	2.684	6,174	15,391	2,493	2,024
44	37	95.298	5.381,433	70.745,511	13,146	12,677	94	87	1.816	3,913	9,217	2,356	1,887
45	38	94.984	5.024,547	65.364,078	13,009	12,540	95	88	1.176	2,374	5,304	2,235	1,766
46	39	94.626	4.689,070	60.339,531	12,868	12,399	96	89	731	1,382	2,931	2,121	1,652
47	40	94.229	4.374,159	55.650,461	12,723	12,253	97	90	433	0,768	1,549	2,018	1,549
48	41	93.794	4.078,663	51.276,302	12,572	12,103	98	91	245	0,407	0,781	1,918	1,449
49	42	93.319	3.801,402	47.197,639	12,416	11,947	99	92	131	0,204	0,374	1,835	1,366
							100	93	66	0,097	0,170	1,758	1,289

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 8 Jahre

Zinsfuß 6,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	42	92.900	3.545,050	43.565,553	12,289	11,820
1							51	43	92.336	3.300,717	40.020,504	12,125	11,656
2							52	44	91.738	3.071,995	36.719,787	11,953	11,484
3							53	45	91.073	2.856,887	33.647,792	11,778	11,309
4							54	46	90.357	2.655,201	30.790,905	11,596	11,127
5							55	47	89.583	2.465,982	28.135,704	11,410	10,940
6							56	48	88.739	2.288,303	25.669,722	11,218	10,749
7							57	49	87.858	2.122,313	23.381,418	11,017	10,548
8	0	99.415	58.953,132	906.220,690	15,372	14,903	58	50	86.888	1.966,169	21.259,105	10,812	10,343
9	1	99.025	55.009,187	847.267,559	15,402	14,933	59	51	85.842	1.819,683	19.292,936	10,602	10,133
10	2	98.981	51.507,578	792.258,372	15,381	14,912	60	52	84.704	1.682,019	17.473,253	10,388	9,919
11	3	98.952	48.236,586	740.750,793	15,357	14,887	61	53	83.497	1.553,212	15.791,234	10,167	9,698
12	4	98.920	45.172,214	692.514,207	15,331	14,861	62	54	82.234	1.432,985	14.238,022	9,936	9,467
13	5	98.895	42.304,901	647.341,993	15,302	14,833	63	55	80.844	1.319,687	12.805,037	9,703	9,234
14	6	98.869	39.619,566	605.037,092	15,271	14,802	64	56	79.374	1.213,762	11.485,350	9,463	8,993
15	7	98.842	37.104,081	565.417,526	15,239	14,770	65	57	77.808	1.114,577	10.271,589	9,216	8,747
16	8	98.810	34.746,696	528.313,446	15,205	14,736	66	58	76.104	1.021,236	9.157,012	8,967	8,497
17	9	98.762	32.534,008	493.566,750	15,171	14,702	67	59	74.288	933,837	8.135,776	8,712	8,243
18	10	98.706	30.459,406	461.032,742	15,136	14,667	68	60	72.327	851,699	7.201,939	8,456	7,987
19	11	98.623	28.509,361	430.573,336	15,103	14,634	69	61	70.229	774,696	6.350,240	8,197	7,728
20	12	98.534	26.682,650	402.063,975	15,068	14,599	70	62	68.035	703,043	5.575,544	7,931	7,461
21	13	98.451	24.974,332	375.381,325	15,031	14,562	71	63	65.679	635,781	4.872,500	7,664	7,195
22	14	98.364	23.374,550	350.406,993	14,991	14,522	72	64	63.178	572,900	4.236,720	7,395	6,926
23	15	98.279	21.877,475	327.032,443	14,948	14,479	73	65	60.508	513,995	3.663,819	7,128	6,659
24	16	98.188	20.475,272	305.154,968	14,904	14,434	74	66	57.686	459,039	3.149,824	6,862	6,393
25	17	98.096	19.162,607	284.679,696	14,856	14,387	75	67	54.737	408,028	2.690,785	6,595	6,125
26	18	98.003	17.933,843	265.517,089	14,805	14,336	76	68	51.676	360,849	2.282,757	6,326	5,857
27	19	97.905	16.783,010	247.583,246	14,752	14,283	77	69	48.536	317,496	1.921,908	6,053	5,584
28	20	97.807	15.706,191	230.800,236	14,695	14,226	78	70	45.294	277,553	1.604,412	5,781	5,311
29	21	97.705	14.697,601	215.094,046	14,635	14,166	79	71	41.940	240,749	1.326,859	5,511	5,042
30	22	97.612	13.755,194	200.396,445	14,569	14,100	80	72	38.512	207,095	1.086,110	5,245	4,775
31	23	97.514	12.872,528	186.641,251	14,499	14,030	81	73	35.007	176,344	879,015	4,985	4,516
32	24	97.412	12.045,908	173.768,722	14,426	13,956	82	74	31.478	148,541	702,671	4,730	4,261
33	25	97.306	11.271,915	161.722,814	14,347	13,878	83	75	27.875	123,218	554,129	4,497	4,028
34	26	97.196	10.547,313	150.450,899	14,264	13,795	84	76	24.385	100,977	430,912	4,267	3,798
35	27	97.076	9.868,187	139.903,586	14,177	13,708	85	77	21.068	81,726	329,934	4,037	3,568
36	28	96.946	9.231,838	130.035,399	14,086	13,616	86	78	18.014	65,460	248,208	3,792	3,323
37	29	96.808	8.635,765	120.803,562	13,989	13,520	87	79	15.049	51,227	182,748	3,567	3,098
38	30	96.663	8.077,571	112.167,796	13,886	13,417	88	80	12.251	39,066	131,521	3,367	2,898
39	31	96.498	7.553,911	104.090,225	13,780	13,311	89	81	9.725	29,051	92,456	3,183	2,713
40	32	96.315	7.062,832	96.536,315	13,668	13,199	90	82	7.532	21,077	63,405	3,008	2,539
41	33	96.115	6.602,494	89.473,482	13,551	13,082	91	83	5.678	14,885	42,328	2,844	2,374
42	34	95.894	6.170,789	82.870,989	13,430	12,960	92	84	4.150	10,191	27,443	2,693	2,224
43	35	95.638	5.765,146	76.700,199	13,304	12,835	93	85	2.939	6,761	17,251	2,552	2,082
44	36	95.352	5.384,477	70.935,054	13,174	12,705	94	86	2.019	4,351	10,490	2,411	1,942
45	37	95.043	5.027,630	65.550,576	13,038	12,569	95	87	1.333	2,691	6,139	2,281	1,812
46	38	94.692	4.692,352	60.522,946	12,898	12,429	96	88	841	1,591	3,448	2,168	1,698
47	39	94.305	4.377,662	55.830,594	12,754	12,284	97	89	509	0,901	1,857	2,061	1,591
48	40	93.876	4.082,215	51.452,932	12,604	12,135	98	90	293	0,487	0,956	1,963	1,494
49	41	93.411	3.805,164	47.370,717	12,449	11,980	99	91	161	0,251	0,469	1,869	1,400
							100	92	84	0,122	0,218	1,790	1,321

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 9 Jahre

Zinsfuß 6,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	41	92.992	3.548,557	43.720,784	12,321	11,852
1							51	42	92.440	3.304,433	40.172,227	12,157	11,688
2							52	43	91.857	3.075,988	36.867,794	11,986	11,517
3							53	44	91.200	2.860,869	33.791,806	11,812	11,343
4							54	45	90.501	2.659,419	30.930,937	11,631	11,162
5							55	46	89.744	2.470,419	28.271,518	11,444	10,975
6							56	47	88.912	2.292,762	25.801,099	11,253	10,784
7							57	48	88.044	2.126,822	23.508,337	11,053	10,584
8							58	49	87.097	1.970,913	21.381,515	10,849	10,379
9	0	99.403	55.218,849	847.784,394	15,353	14,884	59	50	86.060	1.824,292	19.410,602	10,640	10,171
10	1	99.016	51.526,032	792.565,544	15,382	14,913	60	51	84.940	1.686,703	17.586,310	10,426	9,957
11	2	98.971	48.246,125	741.039,512	15,360	14,890	61	52	83.750	1.557,922	15.899,607	10,206	9,737
12	3	98.937	45.179,969	692.793,388	15,334	14,865	62	53	82.494	1.437,524	14.341,684	9,977	9,508
13	4	98.908	42.310,366	647.613,418	15,306	14,837	63	54	81.126	1.324,293	12.904,161	9,744	9,275
14	5	98.882	39.624,745	605.303,052	15,276	14,807	64	55	79.676	1.218,376	11.579,868	9,504	9,035
15	6	98.851	37.107,500	565.678,307	15,244	14,775	65	56	78.121	1.119,069	10.361,492	9,259	8,790
16	7	98.818	34.749,722	528.570,807	15,211	14,742	66	57	76.445	1.025,814	9.242,423	9,010	8,541
17	8	98.772	32.537,131	493.821,085	15,177	14,708	67	58	74.648	938,356	8.216,609	8,756	8,287
18	9	98.712	30.461,375	461.283,954	15,143	14,674	68	59	72.697	856,051	7.278,253	8,502	8,033
19	10	98.631	28.511,759	430.822,580	15,110	14,641	69	60	70.617	778,984	6.422,202	8,244	7,775
20	11	98.543	26.685,152	402.310,821	15,076	14,607	70	61	68.420	707,022	5.643,218	7,982	7,513
21	12	98.459	24.976,453	375.625,669	15,039	14,570	71	62	66.095	639,807	4.936,196	7,715	7,246
22	13	98.374	23.376,815	350.649,216	15,000	14,531	72	63	63.611	576,824	4.296,389	7,448	6,979
23	14	98.290	21.880,025	327.272,401	14,958	14,488	73	64	60.954	517,781	3.719,565	7,184	6,715
24	15	98.206	20.478,931	305.392,376	14,913	14,443	74	65	58.161	462,819	3.201,784	6,918	6,449
25	16	98.117	19.166,666	284.913,445	14,865	14,396	75	66	55.237	411,757	2.738,964	6,652	6,183
26	17	98.024	17.937,789	265.746,779	14,815	14,346	76	67	52.206	364,555	2.327,208	6,384	5,915
27	18	97.933	16.787,838	247.808,989	14,761	14,292	77	68	49.098	321,169	1.962,653	6,111	5,642
28	19	97.834	15.710,546	231.021,151	14,705	14,236	78	69	45.879	281,140	1.641,483	5,839	5,370
29	20	97.735	14.702,245	215.310,606	14,645	14,176	79	70	42.545	244,220	1.360,343	5,570	5,101
30	21	97.636	13.758,561	200.608,361	14,581	14,111	80	71	39.147	210,507	1.116,123	5,302	4,833
31	22	97.541	12.876,014	186.849,800	14,511	14,042	81	72	35.650	179,582	905,615	5,043	4,574
32	23	97.437	12.049,052	173.973,786	14,439	13,970	82	73	32.133	151,630	726,034	4,788	4,319
33	24	97.332	11.274,979	161.924,734	14,361	13,892	83	74	28.524	126,088	574,403	4,556	4,086
34	25	97.220	10.549,909	150.649,756	14,280	13,811	84	75	25.034	103,665	448,315	4,325	3,856
35	26	97.104	9.870,950	140.099,847	14,193	13,724	85	76	21.696	84,162	344,650	4,095	3,626
36	27	96.975	9.234,529	130.228,897	14,102	13,633	86	77	18.620	67,662	260,488	3,850	3,381
37	28	96.837	8.638,329	120.994,368	14,007	13,538	87	78	15.628	53,198	192,826	3,625	3,156
38	29	96.691	8.079,936	112.356,039	13,906	13,436	88	79	12.789	40,781	139,628	3,424	2,955
39	30	96.530	7.556,385	104.276,102	13,800	13,331	89	80	10.223	30,539	98,847	3,237	2,768
40	31	96.349	7.065,356	96.719,718	13,689	13,220	90	81	7.977	22,321	68,308	3,060	2,591
41	32	96.149	6.604,842	89.654,361	13,574	13,105	91	82	6.071	15,914	45,987	2,890	2,421
42	33	95.932	6.173,256	83.049,519	13,453	12,984	92	83	4.471	10,978	30,073	2,739	2,270
43	34	95.683	5.767,850	76.876,263	13,328	12,859	93	84	3.196	7,352	19,095	2,597	2,128
44	35	95.401	5.387,235	71.108,414	13,199	12,730	94	85	2.211	4,765	11,743	2,464	1,995
45	36	95.096	5.030,475	65.721,178	13,065	12,595	95	86	1.482	2,992	6,978	2,332	1,863
46	37	94.750	4.695,232	60.690,704	12,926	12,457	96	87	954	1,803	3,986	2,210	1,741
47	38	94.371	4.380,726	55.995,472	12,782	12,313	97	88	586	1,038	2,183	2,103	1,634
48	39	93.951	4.085,484	51.614,746	12,634	12,165	98	89	345	0,572	1,145	2,002	1,533
49	40	93.493	3.808,477	47.529,261	12,480	12,011	99	90	193	0,300	0,573	1,910	1,441
							100	91	103	0,150	0,273	1,822	1,352

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 10 Jahre

Zinsfuß 6,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	40	93.073	3.551,647	43.862,943	12,350	11,881
1							51	41	92.531	3.307,703	40.311,296	12,187	11,718
2							52	42	91.961	3.079,451	37.003,593	12,016	11,547
3							53	43	91.319	2.864,588	33.924,142	11,843	11,373
4							54	44	90.627	2.663,126	31.059,555	11,663	11,194
5							55	45	89.886	2.474,343	28.396,429	11,476	11,007
6							56	46	89.072	2.296,887	25.922,085	11,286	10,817
7							57	47	88.216	2.130,966	23.625,198	11,087	10,617
8							58	48	87.282	1.975,100	21.494,232	10,883	10,413
9							59	49	86.267	1.828,693	19.519,132	10,674	10,205
10	0	99.393	51.722,419	793.043,190	15,333	14,864	60	50	85.155	1.690,976	17.690,439	10,462	9,993
11	1	99.007	48.263,410	741.320,772	15,360	14,891	61	51	83.984	1.562,261	15.999,463	10,241	9,772
12	2	98.957	45.188,904	693.057,362	15,337	14,868	62	52	82.744	1.441,883	14.437,202	10,013	9,544
13	3	98.924	42.317,629	647.868,458	15,310	14,841	63	53	81.383	1.328,488	12.995,320	9,782	9,313
14	4	98.895	39.629,864	605.550,828	15,280	14,811	64	54	79.954	1.222,628	11.666,832	9,542	9,073
15	5	98.864	37.112,351	565.920,965	15,249	14,780	65	55	78.418	1.123,323	10.444,204	9,298	8,828
16	6	98.827	34.752,924	528.808,613	15,216	14,747	66	56	76.753	1.029,949	9.320,881	9,050	8,581
17	7	98.780	32.539,965	494.055,689	15,183	14,714	67	57	74.982	942,563	8.290,931	8,796	8,327
18	8	98.722	30.464,299	461.515,724	15,149	14,680	68	58	73.049	860,193	7.348,368	8,543	8,074
19	9	98.637	28.513,601	431.051,425	15,117	14,648	69	59	70.978	782,964	6.488,175	8,287	7,818
20	10	98.552	26.687,396	402.537,824	15,083	14,614	70	60	68.799	710,935	5.705,211	8,025	7,556
21	11	98.468	24.978,796	375.850,428	15,047	14,578	71	61	66.469	643,428	4.994,276	7,762	7,293
22	12	98.382	23.378,800	350.871,632	15,008	14,539	72	62	64.014	580,477	4.350,848	7,495	7,026
23	13	98.299	21.882,145	327.492,832	14,966	14,497	73	63	61.371	521,327	3.770,371	7,232	6,763
24	14	98.217	20.481,318	305.610,687	14,921	14,452	74	64	58.590	466,229	3.249,044	6,969	6,500
25	15	98.134	19.170,091	285.129,369	14,874	14,405	75	65	55.692	415,148	2.782,815	6,703	6,234
26	16	98.045	17.941,589	265.959,278	14,824	14,354	76	66	52.683	367,887	2.367,668	6,436	5,967
27	17	97.954	16.791,532	248.017,689	14,770	14,301	77	67	49.602	324,467	1.999,781	6,163	5,694
28	18	97.863	15.715,065	231.226,156	14,714	14,245	78	68	46.410	284,393	1.675,314	5,891	5,422
29	19	97.763	14.706,321	215.511,091	14,654	14,185	79	69	43.094	247,376	1.390,921	5,623	5,154
30	20	97.667	13.762,908	200.804,770	14,590	14,121	80	70	39.711	213,543	1.143,544	5,355	4,886
31	21	97.565	12.879,165	187.041,862	14,523	14,054	81	71	36.238	182,541	930,002	5,095	4,626
32	22	97.464	12.052,315	174.162,697	14,451	13,981	82	72	32.723	154,414	747,460	4,841	4,371
33	23	97.357	11.277,921	162.110,382	14,374	13,905	83	73	29.117	128,710	593,046	4,608	4,138
34	24	97.247	10.552,776	150.832,461	14,293	13,824	84	74	25.617	106,080	464,336	4,377	3,908
35	25	97.127	9.873,380	140.279,685	14,208	13,739	85	75	22.274	86,402	358,256	4,146	3,677
36	26	97.002	9.237,115	130.406,305	14,118	13,649	86	76	19.175	69,679	271,854	3,902	3,432
37	27	96.865	8.640,847	121.169,190	14,023	13,554	87	77	16.154	54,987	202,175	3,677	3,208
38	28	96.720	8.082,335	112.528,343	13,923	13,454	88	78	13.281	42,351	147,188	3,475	3,006
39	29	96.558	7.558,597	104.446,008	13,818	13,349	89	79	10.672	31,880	104,837	3,289	2,819
40	30	96.381	7.067,670	96.887,411	13,709	13,239	90	80	8.385	23,464	72,957	3,109	2,640
41	31	96.184	6.607,202	89.819,740	13,594	13,125	91	81	6.429	16,853	49,493	2,937	2,468
42	32	95.967	6.175,452	83.212,538	13,475	13,006	92	82	4.780	11,736	32,640	2,781	2,312
43	33	95.721	5.770,155	77.037,086	13,351	12,882	93	83	3.443	7,919	20,904	2,640	2,170
44	34	95.446	5.389,762	71.266,931	13,223	12,754	94	84	2.405	5,181	12,984	2,506	2,037
45	35	95.145	5.033,051	65.877,168	13,089	12,620	95	85	1.623	3,277	7,803	2,381	1,912
46	36	94.804	4.697,888	60.844,117	12,951	12,482	96	86	1.061	2,006	4,526	2,257	1,788
47	37	94.428	4.383,414	56.146,229	12,809	12,340	97	87	664	1,177	2,520	2,142	1,673
48	38	94.017	4.088,344	51.762,815	12,661	12,192	98	88	397	0,658	1,344	2,041	1,572
49	39	93.568	3.811,527	47.674,471	12,508	12,039	99	89	227	0,352	0,685	1,946	1,477
							100	90	123	0,179	0,333	1,860	1,391

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 11 Jahre

Zinsfuß 6,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	39	93.148	3.554,492	43.993,121	12,377	11,908
1							51	40	92.612	3.310,583	40.438,630	12,215	11,746
2							52	41	92.052	3.082,498	37.128,046	12,045	11,576
3							53	42	91.422	2.867,813	34.045,549	11,872	11,402
4							54	43	90.745	2.666,587	31.177,736	11,692	11,223
5							55	44	90.012	2.477,792	28.511,148	11,507	11,038
6							56	45	89.213	2.300,536	26.033,356	11,316	10,847
7							57	46	88.374	2.134,800	23.732,820	11,117	10,648
8							58	47	87.452	1.978,948	21.598,020	10,914	10,445
9							59	48	86.451	1.832,578	19.619,072	10,706	10,237
10							60	49	85.360	1.695,055	17.786,494	10,493	10,024
11	0	99.384	48.447,362	741.762,228	15,311	14,842	61	50	84.196	1.566,218	16.091,438	10,274	9,805
12	1	98.992	45.205,094	693.314,866	15,337	14,868	62	51	82.975	1.445,898	14.525,220	10,046	9,577
13	2	98.944	42.325,998	648.109,772	15,312	14,843	63	52	81.630	1.332,516	13.079,322	9,816	9,346
14	3	98.912	39.636,667	605.783,775	15,283	14,814	64	53	80.207	1.226,501	11.746,806	9,577	9,108
15	4	98.876	37.117,145	566.147,107	15,253	14,784	65	54	78.692	1.127,244	10.520,305	9,333	8,864
16	5	98.840	34.757,468	529.029,962	15,221	14,751	66	55	77.045	1.033,864	9.393,061	9,085	8,616
17	6	98.790	32.542,963	494.272,494	15,188	14,719	67	56	75.285	946,362	8.359,196	8,833	8,364
18	7	98.730	30.466,952	461.729,531	15,155	14,686	68	57	73.376	864,050	7.412,834	8,579	8,110
19	8	98.647	28.516,339	431.262,578	15,123	14,654	69	58	71.322	786,753	6.548,784	8,324	7,855
20	9	98.558	26.689,121	402.746,240	15,090	14,621	70	59	69.151	714,568	5.762,032	8,064	7,595
21	10	98.477	24.980,896	376.057,119	15,054	14,585	71	60	66.837	646,989	5.047,464	7,801	7,332
22	11	98.391	23.380,993	351.076,223	15,015	14,546	72	61	64.376	583,762	4.400,475	7,538	7,069
23	12	98.308	21.884,003	327.695,230	14,974	14,505	73	62	61.760	524,629	3.816,713	7,275	6,806
24	13	98.227	20.483,303	305.811,226	14,930	14,461	74	63	58.991	469,422	3.292,084	7,013	6,544
25	14	98.146	19.172,325	285.327,924	14,882	14,413	75	64	56.102	418,206	2.822,663	6,749	6,280
26	15	98.063	17.944,795	266.155,599	14,832	14,363	76	65	53.117	370,916	2.404,457	6,482	6,013
27	16	97.975	16.795,089	248.210,803	14,779	14,310	77	66	50.055	327,433	2.033,540	6,211	5,741
28	17	97.884	15.718,524	231.415,714	14,722	14,253	78	67	46.887	287,314	1.706,108	5,938	5,469
29	18	97.791	14.710,552	215.697,190	14,663	14,194	79	68	43.593	250,238	1.418,794	5,670	5,201
30	19	97.694	13.766,724	200.986,638	14,599	14,130	80	69	40.225	216,302	1.168,556	5,402	4,933
31	20	97.595	12.883,235	187.219,915	14,532	14,063	81	70	36.760	185,173	952,253	5,142	4,673
32	21	97.488	12.055,265	174.336,680	14,461	13,992	82	71	33.262	156,959	767,080	4,887	4,418
33	22	97.384	11.280,975	162.281,415	14,385	13,916	83	72	29.652	131,073	610,121	4,655	4,186
34	23	97.272	10.555,530	151.000,440	14,305	13,836	84	73	26.150	108,286	479,048	4,424	3,955
35	24	97.154	9.876,063	140.444,910	14,221	13,752	85	74	22.793	88,415	370,762	4,193	3,724
36	25	97.026	9.239,388	130.568,848	14,132	13,663	86	75	19.686	71,533	282,347	3,947	3,478
37	26	96.892	8.643,267	121.329,459	14,037	13,568	87	76	16.635	56,626	210,814	3,723	3,254
38	27	96.748	8.084,691	112.686,192	13,938	13,469	88	77	13.728	43,775	154,188	3,522	3,053
39	28	96.587	7.560,841	104.601,501	13,835	13,366	89	78	11.083	33,107	110,413	3,335	2,866
40	29	96.409	7.069,740	97.040,659	13,726	13,257	90	79	8.753	24,495	77,306	3,156	2,687
41	30	96.215	6.609,366	89.970,920	13,613	13,144	91	80	6.758	17,716	52,811	2,981	2,512
42	31	96.001	6.177,659	83.361,553	13,494	13,025	92	81	5.062	12,429	35,095	2,824	2,354
43	32	95.755	5.772,208	77.183,895	13,372	12,903	93	82	3.681	8,467	22,666	2,677	2,208
44	33	95.484	5.391,917	71.411,687	13,244	12,775	94	83	2.590	5,581	14,199	2,544	2,075
45	34	95.190	5.035,412	66.019,770	13,111	12,642	95	84	1.765	3,563	8,618	2,419	1,949
46	35	94.852	4.700,294	60.984,358	12,975	12,505	96	85	1.161	2,196	5,055	2,302	1,832
47	36	94.482	4.385,894	56.284,064	12,833	12,364	97	86	739	1,308	2,858	2,185	1,716
48	37	94.075	4.090,853	51.898,169	12,686	12,217	98	87	450	0,746	1,550	2,077	1,608
49	38	93.633	3.814,195	47.807,317	12,534	12,065	99	88	261	0,405	0,804	1,982	1,513
							100	89	144	0,210	0,398	1,893	1,424

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 12 Jahre

Zinsfuß 6,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	38	93.213	3.556,980	44.112,196	12,402	11,932
1							51	39	92.686	3.313,235	40.555,216	12,240	11,771
2							52	40	92.132	3.085,182	37.241,981	12,071	11,602
3							53	41	91.512	2.870,651	34.156,799	11,899	11,429
4							54	42	90.847	2.669,590	31.286,149	11,719	11,250
5							55	43	90.129	2.481,013	28.616,559	11,534	11,065
6							56	44	89.338	2.303,742	26.135,546	11,345	10,876
7							57	45	88.515	2.138,191	23.831,804	11,146	10,677
8							58	46	87.610	1.982,509	21.693,612	10,943	10,473
9							59	47	86.619	1.836,149	19.711,103	10,735	10,266
10							60	48	85.542	1.698,656	17.874,955	10,523	10,054
11							61	49	84.399	1.569,997	16.176,298	10,303	9,834
12	0	99.370	45.377,389	693.722,899	15,288	14,819	62	50	83.185	1.449,561	14.606,301	10,076	9,607
13	1	98.980	42.341,162	648.345,511	15,312	14,843	63	51	81.857	1.336,227	13.156,741	9,846	9,377
14	2	98.931	39.644,506	606.004,349	15,286	14,817	64	52	80.450	1.230,220	11.820,513	9,608	9,139
15	3	98.893	37.123,517	566.359,843	15,256	14,787	65	53	78.941	1.130,815	10.590,293	9,365	8,896
16	4	98.853	34.761,958	529.236,326	15,225	14,755	66	54	77.314	1.037,473	9.459,479	9,118	8,649
17	5	98.802	32.547,218	494.474,368	15,193	14,723	67	55	75.571	949,960	8.422,006	8,866	8,397
18	6	98.740	30.469,760	461.927,150	15,160	14,691	68	56	73.672	867,533	7.472,046	8,613	8,144
19	7	98.656	28.518,823	431.457,390	15,129	14,660	69	57	71.642	790,280	6.604,514	8,357	7,888
20	8	98.567	26.691,683	402.938,568	15,096	14,627	70	58	69.485	718,026	5.814,234	8,098	7,628
21	9	98.483	24.982,511	376.246,885	15,060	14,591	71	59	67.178	650,295	5.096,208	7,837	7,368
22	10	98.400	23.382,959	351.264,374	15,022	14,553	72	60	64.732	586,993	4.445,913	7,574	7,105
23	11	98.317	21.886,056	327.881,415	14,981	14,512	73	61	62.110	527,598	3.858,920	7,314	6,845
24	12	98.235	20.485,042	305.995,359	14,938	14,468	74	62	59.365	472,395	3.331,323	7,052	6,583
25	13	98.155	19.174,183	285.510,317	14,890	14,421	75	63	56.487	421,070	2.858,928	6,790	6,321
26	14	98.074	17.946,886	266.336,134	14,840	14,371	76	64	53.508	373,649	2.437,858	6,524	6,055
27	15	97.992	16.798,091	248.389,247	14,787	14,318	77	65	50.467	330,129	2.064,210	6,253	5,784
28	16	97.905	15.721,853	231.591,157	14,731	14,261	78	66	47.315	289,939	1.734,081	5,981	5,512
29	17	97.812	14.713,789	215.869,304	14,671	14,202	79	67	44.041	252,808	1.444,141	5,712	5,243
30	18	97.722	13.770,684	201.155,514	14,608	14,138	80	68	40.690	218,805	1.191,333	5,445	4,976
31	19	97.622	12.886,807	187.384,830	14,541	14,072	81	69	37.235	187,566	972,528	5,185	4,716
32	20	97.518	12.059,074	174.498,023	14,470	14,001	82	70	33.742	159,222	784,962	4,930	4,461
33	21	97.408	11.283,736	162.438,950	14,396	13,927	83	71	30.140	133,233	625,740	4,697	4,227
34	22	97.298	10.558,388	151.155,214	14,316	13,847	84	72	26.630	110,274	492,507	4,466	3,997
35	23	97.179	9.878,640	140.596,825	14,232	13,763	85	73	23.267	90,254	382,233	4,235	3,766
36	24	97.052	9.241,899	130.718,185	14,144	13,675	86	74	20.144	73,200	291,979	3,989	3,520
37	25	96.916	8.645,394	121.476,286	14,051	13,582	87	75	17.078	58,134	218,780	3,763	3,294
38	26	96.775	8.086,955	112.830,891	13,952	13,483	88	76	14.137	45,080	160,646	3,564	3,094
39	27	96.615	7.563,045	104.743,936	13,849	13,380	89	77	11.456	34,220	115,566	3,377	2,908
40	28	96.438	7.071,839	97.180,891	13,742	13,273	90	78	9.090	25,437	81,346	3,198	2,729
41	29	96.243	6.611,301	90.109,052	13,630	13,160	91	79	7.055	18,494	55,909	3,023	2,554
42	30	96.032	6.179,682	83.497,750	13,512	13,043	92	80	5.321	13,066	37,415	2,864	2,394
43	31	95.789	5.774,270	77.318,068	13,390	12,921	93	81	3.898	8,966	24,349	2,716	2,246
44	32	95.518	5.393,835	71.543,798	13,264	12,795	94	82	2.769	5,967	15,382	2,578	2,109
45	33	95.228	5.037,425	66.149,963	13,132	12,663	95	83	1.901	3,838	9,415	2,453	1,984
46	34	94.897	4.702,499	61.112,538	12,996	12,527	96	84	1.263	2,388	5,577	2,335	1,866
47	35	94.530	4.388,141	56.410,039	12,855	12,386	97	85	809	1,433	3,189	2,226	1,756
48	36	94.128	4.093,167	52.021,899	12,709	12,240	98	86	500	0,830	1,756	2,116	1,647
49	37	93.691	3.816,536	47.928,731	12,558	12,089	99	87	296	0,460	0,926	2,015	1,546
							100	88	166	0,242	0,467	1,926	1,457

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 13 Jahre

Zinsfuß 6,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	37	93.270	3.559,162	44.221,006	12,425	11,955
1							51	38	92.751	3.315,554	40.661,844	12,264	11,795
2							52	39	92.206	3.087,653	37.346,290	12,095	11,626
3							53	40	91.592	2.873,150	34.258,637	11,924	11,455
4							54	41	90.937	2.672,231	31.385,487	11,745	11,276
5							55	42	90.230	2.483,806	28.713,256	11,560	11,091
6							56	43	89.454	2.306,737	26.229,450	11,371	10,902
7							57	44	88.638	2.141,172	23.922,713	11,173	10,704
8							58	45	87.749	1.985,658	21.781,541	10,969	10,500
9							59	46	86.775	1.839,452	19.795,883	10,762	10,293
10							60	47	85.709	1.701,966	17.956,431	10,550	10,081
11							61	48	84.579	1.573,332	16.254,464	10,331	9,862
12							62	49	83.386	1.453,058	14.681,132	10,104	9,634
13	0	99.357	42.502,541	648.722,690	15,263	14,794	63	50	82.065	1.339,612	13.228,074	9,875	9,405
14	1	98.967	39.658,709	606.220,149	15,286	14,817	64	51	80.674	1.233,646	11.888,462	9,637	9,168
15	2	98.913	37.130,859	566.561,440	15,259	14,789	65	52	79.181	1.134,244	10.654,816	9,394	8,925
16	3	98.870	34.767,925	529.430,582	15,228	14,758	66	53	77.559	1.040,759	9.520,573	9,148	8,679
17	4	98.815	32.551,422	494.662,656	15,196	14,727	67	54	75.834	953,275	8.479,813	8,895	8,426
18	5	98.752	30.473,744	462.111,234	15,164	14,695	68	55	73.952	870,830	7.526,538	8,643	8,174
19	6	98.665	28.521,451	431.637,490	15,134	14,665	69	56	71.930	793,465	6.655,708	8,388	7,919
20	7	98.576	26.694,008	403.116,040	15,101	14,632	70	57	69.797	721,245	5.862,242	8,128	7,659
21	8	98.493	24.984,909	376.422,032	15,066	14,597	71	58	67.504	653,442	5.140,998	7,868	7,398
22	9	98.406	23.384,470	351.437,123	15,029	14,560	72	59	65.063	589,992	4.487,556	7,606	7,137
23	10	98.325	21.887,896	328.052,653	14,988	14,519	73	60	62.453	530,518	3.897,564	7,347	6,878
24	11	98.244	20.486,964	306.164,756	14,944	14,475	74	61	59.701	475,068	3.367,046	7,088	6,618
25	12	98.164	19.175,812	285.677,793	14,898	14,429	75	62	56.844	423,736	2.891,978	6,825	6,356
26	13	98.084	17.948,626	266.501,981	14,848	14,379	76	63	53.875	376,208	2.468,242	6,561	6,092
27	14	98.004	16.800,048	248.553,356	14,795	14,326	77	64	50.839	332,561	2.092,034	6,291	5,822
28	15	97.922	15.724,663	231.753,308	14,738	14,269	78	65	47.705	292,327	1.759,473	6,019	5,550
29	16	97.833	14.716,906	216.028,645	14,679	14,210	79	66	44.443	255,119	1.467,146	5,751	5,282
30	17	97.743	13.773,715	201.311,739	14,616	14,147	80	67	41.108	221,052	1.212,028	5,483	5,014
31	18	97.651	12.890,514	187.538,024	14,549	14,079	81	68	37.666	189,736	990,976	5,223	4,754
32	19	97.545	12.062,417	174.647,510	14,479	14,010	82	69	34.178	161,280	801,239	4,968	4,499
33	20	97.438	11.287,301	162.585,093	14,404	13,935	83	70	30.575	135,154	639,959	4,735	4,266
34	21	97.322	10.560,972	151.297,791	14,326	13,857	84	71	27.069	112,091	504,805	4,504	4,034
35	22	97.205	9.881,315	140.736,819	14,243	13,774	85	72	23.694	91,911	392,714	4,273	3,804
36	23	97.077	9.244,311	130.855,504	14,155	13,686	86	73	20.563	74,722	300,804	4,026	3,557
37	24	96.943	8.647,744	121.611,193	14,063	13,594	87	74	17.476	59,488	226,082	3,800	3,331
38	25	96.799	8.088,946	112.963,449	13,965	13,496	88	75	14.513	46,280	166,594	3,600	3,131
39	26	96.642	7.565,163	104.874,503	13,863	13,394	89	76	11.797	35,240	120,314	3,414	2,945
40	27	96.466	7.073,900	97.309,340	13,756	13,287	90	77	9.396	26,293	85,074	3,236	2,767
41	28	96.272	6.613,264	90.235,439	13,645	13,175	91	78	7.327	19,206	58,781	3,061	2,591
42	29	96.060	6.181,491	83.622,175	13,528	13,059	92	79	5.555	13,640	39,576	2,902	2,432
43	30	95.820	5.776,162	77.440,683	13,407	12,938	93	80	4.098	9,426	25,936	2,752	2,283
44	31	95.552	5.395,762	71.664,522	13,282	12,813	94	81	2.933	6,319	16,510	2,613	2,144
45	32	95.262	5.039,217	66.268,760	13,151	12,681	95	82	2.033	4,103	10,191	2,484	2,014
46	33	94.935	4.704,379	61.229,543	13,015	12,546	96	83	1.360	2,572	6,088	2,366	1,897
47	34	94.575	4.390,199	56.525,164	12,875	12,406	97	84	880	1,558	3,515	2,256	1,787
48	35	94.176	4.095,264	52.134,965	12,731	12,261	98	85	548	0,909	1,957	2,153	1,684
49	36	93.744	3.818,695	48.039,701	12,580	12,111	99	86	329	0,511	1,048	2,051	1,581
							100	87	189	0,275	0,537	1,956	1,487

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 14 Jahre

Zinsfuß 6,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	36	93.323	3.561,176	44.320,445	12,445	11,976
1							51	37	92.808	3.317,588	40.759,269	12,286	11,817
2							52	38	92.270	3.089,814	37.441,680	12,118	11,649
3							53	39	91.665	2.875,451	34.351,866	11,947	11,477
4							54	40	91.016	2.674,558	31.476,415	11,769	11,300
5							55	41	90.319	2.486,264	28.801,857	11,584	11,115
6							56	42	89.555	2.309,334	26.315,593	11,395	10,926
7							57	43	88.753	2.143,955	24.006,259	11,197	10,728
8							58	44	87.871	1.988,426	21.862,304	10,995	10,526
9							59	45	86.913	1.842,374	19.873,878	10,787	10,318
10							60	46	85.863	1.705,028	18.031,504	10,575	10,106
11							61	47	84.744	1.576,398	16.326,475	10,357	9,888
12							62	48	83.563	1.456,145	14.750,078	10,130	9,660
13							63	49	82.263	1.342,844	13.293,933	9,900	9,431
14	0	99.344	39.809,865	606.568,845	15,237	14,768	64	50	80.879	1.236,771	11.951,089	9,663	9,194
15	1	98.948	37.144,161	566.758,980	15,258	14,789	65	51	79.401	1.137,402	10.714,318	9,420	8,951
16	2	98.890	34.774,801	529.614,819	15,230	14,761	66	52	77.794	1.043,915	9.576,916	9,174	8,705
17	3	98.832	32.557,011	494.840,018	15,199	14,730	67	53	76.075	956,295	8.533,000	8,923	8,454
18	4	98.765	30.477,680	462.283,007	15,168	14,699	68	54	74.210	873,870	7.576,705	8,670	8,201
19	5	98.678	28.525,180	431.805,327	15,138	14,669	69	55	72.204	796,482	6.702,836	8,416	7,946
20	6	98.585	26.696,468	403.280,148	15,106	14,637	70	56	70.078	724,152	5.906,354	8,156	7,687
21	7	98.501	24.987,085	376.583,680	15,071	14,602	71	57	67.806	656,371	5.182,202	7,895	7,426
22	8	98.415	23.386,715	351.596,595	15,034	14,565	72	58	65.378	592,847	4.525,831	7,634	7,165
23	9	98.332	21.889,311	328.209,880	14,994	14,525	73	59	62.772	533,229	3.932,984	7,376	6,907
24	10	98.252	20.488,687	306.320,569	14,951	14,482	74	60	60.031	477,697	3.399,756	7,117	6,648
25	11	98.173	19.177,610	285.831,883	14,904	14,435	75	61	57.166	426,134	2.922,058	6,857	6,388
26	12	98.092	17.950,150	266.654,273	14,855	14,386	76	62	54.216	378,590	2.495,924	6,593	6,124
27	13	98.013	16.801,676	248.704,123	14,802	14,333	77	63	51.187	334,838	2.117,334	6,323	5,854
28	14	97.934	15.726,495	231.902,447	14,746	14,277	78	64	48.056	294,480	1.782,495	6,053	5,584
29	15	97.850	14.719,536	216.175,951	14,686	14,217	79	65	44.809	257,220	1.488,015	5,785	5,316
30	16	97.764	13.776,632	201.456,415	14,623	14,154	80	66	41.484	223,072	1.230,795	5,517	5,048
31	17	97.672	12.893,351	187.679,783	14,556	14,087	81	67	38.053	191,685	1.007,723	5,257	4,788
32	18	97.573	12.065,887	174.786,432	14,486	14,017	82	68	34.573	163,146	816,038	5,002	4,533
33	19	97.465	11.290,431	162.720,545	14,412	13,943	83	69	30.970	136,901	652,892	4,769	4,300
34	20	97.353	10.564,309	151.430,114	14,334	13,865	84	70	27.459	113,707	515,992	4,538	4,069
35	21	97.229	9.883,734	140.865,805	14,252	13,783	85	71	24.084	93,425	402,284	4,306	3,837
36	22	97.104	9.246,815	130.982,071	14,165	13,696	86	72	20.940	76,094	308,859	4,059	3,590
37	23	96.968	8.650,001	121.735,256	14,073	13,604	87	73	17.839	60,725	232,765	3,833	3,364
38	24	96.825	8.091,144	113.085,256	13,976	13,507	88	74	14.851	47,358	172,041	3,633	3,164
39	25	96.666	7.567,025	104.994,112	13,875	13,406	89	75	12.111	36,178	124,683	3,446	2,977
40	26	96.493	7.075,881	97.427,086	13,769	13,300	90	76	9.676	27,077	88,505	3,269	2,800
41	27	96.300	6.615,192	90.351,205	13,658	13,189	91	77	7.573	19,852	61,428	3,094	2,625
42	28	96.089	6.183,327	83.736,013	13,542	13,073	92	78	5.768	14,165	41,577	2,935	2,466
43	29	95.849	5.777,853	77.552,686	13,422	12,953	93	79	4.277	9,839	27,412	2,786	2,317
44	30	95.583	5.397,529	71.774,833	13,298	12,829	94	80	3.083	6,643	17,572	2,645	2,176
45	31	95.296	5.041,017	66.377,304	13,167	12,698	95	81	2.153	4,346	10,930	2,515	2,046
46	32	94.968	4.706,052	61.336,287	13,033	12,564	96	82	1.454	2,750	6,584	2,394	1,925
47	33	94.612	4.391,954	56.630,234	12,894	12,425	97	83	947	1,678	3,834	2,284	1,815
48	34	94.220	4.097,185	52.238,280	12,750	12,281	98	84	596	0,988	2,155	2,181	1,712
49	35	93.792	3.820,651	48.141,096	12,600	12,131	99	85	360	0,560	1,167	2,085	1,616
							100	86	210	0,305	0,607	1,988	1,519

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 15 Jahre

Zinsfuß 6,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	35	93.371	3.563,000	44.411,293	12,465	11,995
1							51	36	92.860	3.319,465	40.848,293	12,306	11,837
2							52	37	92.327	3.091,710	37.528,827	12,139	11,669
3							53	38	91.729	2.877,464	34.437,117	11,968	11,499
4							54	39	91.089	2.676,700	31.559,653	11,791	11,321
5							55	40	90.398	2.488,429	28.882,953	11,607	11,138
6							56	41	89.643	2.311,619	26.394,524	11,418	10,949
7							57	42	88.853	2.146,369	24.082,905	11,220	10,751
8							58	43	87.985	1.991,010	21.936,536	11,018	10,549
9							59	44	87.034	1.844,943	19.945,526	10,811	10,342
10							60	45	85.999	1.707,737	18.100,583	10,599	10,130
11							61	46	84.896	1.579,234	16.392,847	10,380	9,911
12							62	47	83.726	1.458,982	14.813,613	10,153	9,684
13							63	48	82.437	1.345,696	13.354,631	9,924	9,455
14							64	49	81.074	1.239,755	12.008,934	9,687	9,217
15	0	99.326	37.285,733	567.081,371	15,209	14,740	65	50	79.602	1.140,284	10.769,179	9,444	8,975
16	1	98.925	34.787,260	529.795,638	15,230	14,760	66	51	78.011	1.046,822	9.628,896	9,198	8,729
17	2	98.852	32.563,449	495.008,378	15,201	14,732	67	52	76.305	959,195	8.582,073	8,947	8,478
18	3	98.782	30.482,912	462.444,929	15,171	14,702	68	53	74.445	876,638	7.622,879	8,696	8,226
19	4	98.690	28.528,864	431.962,017	15,141	14,672	69	54	72.456	799,262	6.746,241	8,441	7,971
20	5	98.598	26.699,958	403.433,153	15,110	14,641	70	55	70.344	726,905	5.946,979	8,181	7,712
21	6	98.510	24.989,388	376.733,195	15,076	14,607	71	56	68.079	659,017	5.220,075	7,921	7,452
22	7	98.424	23.388,752	351.743,807	15,039	14,570	72	57	65.671	595,505	4.561,058	7,659	7,190
23	8	98.341	21.891,412	328.355,055	14,999	14,530	73	58	63.076	535,809	3.965,553	7,401	6,932
24	9	98.259	20.490,011	306.463,643	14,957	14,488	74	59	60.338	480,138	3.429,744	7,143	6,674
25	10	98.181	19.179,223	285.973,632	14,911	14,441	75	60	57.482	428,493	2.949,606	6,884	6,415
26	11	98.101	17.951,833	266.794,410	14,862	14,393	76	61	54.523	380,733	2.521,113	6,622	6,153
27	12	98.022	16.803,103	248.842,576	14,809	14,340	77	62	51.511	336,959	2.140,380	6,352	5,883
28	13	97.943	15.728,019	232.039,473	14,753	14,284	78	63	48.386	296,497	1.803,421	6,082	5,613
29	14	97.862	14.721,251	216.311,454	14,694	14,225	79	64	45.139	259,114	1.506,924	5,816	5,347
30	15	97.782	13.779,094	201.590,203	14,630	14,161	80	65	41.825	224,909	1.247,810	5,548	5,079
31	16	97.693	12.896,082	187.811,108	14,563	14,094	81	66	38.401	193,437	1.022,901	5,288	4,819
32	17	97.595	12.068,543	174.915,026	14,493	14,024	82	67	34.928	164,821	829,464	5,033	4,563
33	18	97.493	11.293,679	162.846,484	14,419	13,950	83	68	31.328	138,485	664,643	4,799	4,330
34	19	97.380	10.567,238	151.552,805	14,342	13,873	84	69	27.814	115,177	526,158	4,568	4,099
35	20	97.260	9.886,856	140.985,566	14,260	13,791	85	70	24.432	94,772	410,981	4,337	3,867
36	21	97.128	9.249,078	131.098,710	14,174	13,705	86	71	21.286	77,348	316,209	4,088	3,619
37	22	96.994	8.652,343	121.849,632	14,083	13,614	87	72	18.167	61,840	238,861	3,863	3,393
38	23	96.851	8.093,256	113.197,289	13,987	13,517	88	73	15.160	48,342	177,022	3,662	3,193
39	24	96.692	7.569,082	105.104,033	13,886	13,417	89	74	12.393	37,021	128,679	3,476	3,007
40	25	96.517	7.077,623	97.534,952	13,781	13,312	90	75	9.934	27,797	91,658	3,297	2,828
41	26	96.327	6.617,045	90.457,329	13,670	13,201	91	76	7.799	20,443	63,861	3,124	2,655
42	27	96.117	6.185,129	83.840,284	13,555	13,086	92	77	5.962	14,641	43,417	2,965	2,496
43	28	95.877	5.779,568	77.655,155	13,436	12,967	93	78	4.442	10,218	28,777	2,816	2,347
44	29	95.611	5.399,110	71.875,586	13,312	12,843	94	79	3.218	6,935	18,558	2,676	2,207
45	30	95.327	5.042,668	66.476,477	13,183	12,714	95	80	2.263	4,568	11,624	2,544	2,075
46	31	95.002	4.707,734	61.433,808	13,050	12,580	96	81	1.540	2,913	7,056	2,422	1,953
47	32	94.646	4.393,516	56.726,074	12,911	12,442	97	82	1.013	1,794	4,143	2,309	1,840
48	33	94.258	4.098,822	52.332,558	12,768	12,299	98	83	642	1,065	2,349	2,206	1,737
49	34	93.836	3.822,443	48.233,736	12,619	12,149	99	84	392	0,609	1,284	2,110	1,640
							100	85	230	0,334	0,675	2,020	1,551

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 16 Jahre

Zinsfuß 6,75%

Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	34	93.414	3.564,671	44.494,289	12,482	12,013
1							51	35	92.908	3.321,166	40.929,618	12,324	11,855
2							52	36	92.379	3.093,459	37.608,452	12,157	11,688
3							53	37	91.786	2.879,230	34.514,993	11,988	11,518
4							54	38	91.153	2.678,574	31.635,763	11,811	11,342
5							55	39	90.470	2.490,422	28.957,189	11,627	11,158
6							56	40	89.721	2.313,632	26.466,767	11,439	10,970
7							57	41	88.941	2.148,493	24.153,136	11,242	10,773
8							58	42	88.085	1.993,252	22.004,643	11,040	10,570
9							59	43	87.147	1.847,341	20.011,391	10,833	10,363
10							60	44	86.119	1.710,117	18.164,051	10,622	10,152
11							61	45	85.031	1.581,743	16.453,933	10,402	9,933
12							62	46	83.876	1.461,607	14.872,191	10,175	9,706
13							63	47	82.598	1.348,318	13.410,583	9,946	9,477
14							64	48	81.246	1.242,389	12.062,265	9,709	9,240
15							65	49	79.794	1.143,035	10.819,876	9,466	8,997
16	0	99.302	34.919,848	530.093,734	15,180	14,711	66	50	78.208	1.049,474	9.676,842	9,221	8,752
17	1	98.887	32.575,115	495.173,886	15,201	14,732	67	51	76.518	961,866	8.627,368	8,969	8,500
18	2	98.802	30.488,940	462.598,770	15,173	14,704	68	52	74.671	879,296	7.665,502	8,718	8,249
19	3	98.707	28.533,762	432.109,830	15,144	14,675	69	53	72.685	801,793	6.786,206	8,464	7,995
20	4	98.611	26.703,407	403.576,068	15,113	14,644	70	54	70.590	729,442	5.984,412	8,204	7,735
21	5	98.523	24.992,655	376.872,661	15,079	14,610	71	55	68.338	661,522	5.254,971	7,944	7,475
22	6	98.433	23.390,908	351.880,007	15,043	14,574	72	56	65.936	597,905	4.593,449	7,683	7,213
23	7	98.350	21.893,319	328.489,099	15,004	14,535	73	57	63.359	538,211	3.995,543	7,424	6,955
24	8	98.268	20.491,978	306.595,780	14,962	14,493	74	58	60.630	482,462	3.457,333	7,166	6,697
25	9	98.187	19.180,462	286.103,803	14,916	14,447	75	59	57.776	430,682	2.974,871	6,907	6,438
26	10	98.109	17.953,343	266.923,341	14,868	14,398	76	60	54.825	382,840	2.544,188	6,646	6,176
27	11	98.031	16.804,679	248.969,997	14,816	14,346	77	61	51.803	338,866	2.161,349	6,378	5,909
28	12	97.952	15.729,355	232.165,318	14,760	14,291	78	62	48.692	298,375	1.822,483	6,108	5,639
29	13	97.871	14.722,678	216.435,963	14,701	14,232	79	63	45.448	260,889	1.524,108	5,842	5,373
30	14	97.793	13.780,700	201.713,285	14,637	14,168	80	64	42.133	226,566	1.263,219	5,576	5,106
31	15	97.710	12.898,387	187.932,586	14,570	14,101	81	65	38.717	195,030	1.036,653	5,315	4,846
32	16	97.616	12.071,099	175.034,199	14,500	14,031	82	66	35.248	166,328	841,624	5,060	4,591
33	17	97.515	11.296,164	162.963,100	14,426	13,957	83	67	31.650	139,907	675,296	4,827	4,358
34	18	97.408	10.570,278	151.666,936	14,348	13,879	84	68	28.136	116,509	535,389	4,595	4,126
35	19	97.287	9.889,598	141.096,657	14,267	13,798	85	69	24.747	95,997	418,880	4,363	3,894
36	20	97.158	9.252,000	131.207,059	14,181	13,712	86	70	21.592	78,463	322,883	4,115	3,646
37	21	97.018	8.654,461	121.955,059	14,092	13,622	87	71	18.466	62,859	244,420	3,888	3,419
38	22	96.877	8.095,447	113.300,599	13,996	13,526	88	72	15.438	49,230	181,561	3,688	3,219
39	23	96.717	7.571,057	105.205,151	13,896	13,427	89	73	12.651	37,791	132,331	3,502	3,033
40	24	96.543	7.079,546	97.634,094	13,791	13,322	90	74	10.165	28,445	94,540	3,324	2,855
41	25	96.351	6.618,673	90.554,548	13,682	13,213	91	75	8.006	20,988	66,095	3,149	2,680
42	26	96.144	6.186,861	83.935,875	13,567	13,098	92	76	6.140	15,077	45,108	2,992	2,523
43	27	95.905	5.781,253	77.749,013	13,448	12,979	93	77	4.591	10,562	30,030	2,843	2,374
44	28	95.640	5.400,713	71.967,760	13,326	12,856	94	78	3.342	7,201	19,469	2,703	2,234
45	29	95.355	5.044,145	66.567,047	13,197	12,728	95	79	2.362	4,769	12,267	2,572	2,103
46	30	95.034	4.709,276	61.522,902	13,064	12,595	96	80	1.619	3,062	7,498	2,449	1,980
47	31	94.680	4.395,086	56.813,627	12,927	12,457	97	81	1.073	1,900	4,437	2,335	1,866
48	32	94.291	4.100,280	52.418,540	12,784	12,315	98	82	686	1,138	2,536	2,229	1,760
49	33	93.873	3.823,971	48.318,260	12,636	12,166	99	83	422	0,656	1,398	2,133	1,663
							100	84	250	0,364	0,743	2,042	1,573

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 17 Jahre

Zinsfuß 6,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	33	93.452	3.566,096	44.570,003	12,498	12,029
1							51	34	92.951	3.322,723	41.003,907	12,340	11,871
2							52	35	92.427	3.095,044	37.681,184	12,175	11,706
3							53	36	91.837	2.880,859	34.586,140	12,005	11,536
4							54	37	91.209	2.680,217	31.705,281	11,829	11,360
5							55	38	90.534	2.492,165	29.025,064	11,647	11,177
6							56	39	89.793	2.315,485	26.532,899	11,459	10,990
7							57	40	89.019	2.150,363	24.217,414	11,262	10,793
8							58	41	88.172	1.995,224	22.067,051	11,060	10,591
9							59	42	87.245	1.849,420	20.071,826	10,853	10,384
10							60	43	86.231	1.712,340	18.222,406	10,642	10,173
11							61	44	85.149	1.583,948	16.510,066	10,423	9,954
12							62	45	84.010	1.463,929	14.926,118	10,196	9,727
13							63	46	82.747	1.350,744	13.462,189	9,966	9,497
14							64	47	81.404	1.244,809	12.111,445	9,730	9,260
15							65	48	79.964	1.145,463	10.866,636	9,487	9,018
16							66	49	78.397	1.052,006	9.721,173	9,241	8,771
17	0	99.264	32.699,272	495.449,531	15,152	14,683	67	50	76.712	964,302	8.669,167	8,990	8,521
18	1	98.837	30.499,864	462.750,259	15,172	14,703	68	51	74.879	881,745	7.704,864	8,738	8,269
19	2	98.727	28.539,405	432.250,395	15,146	14,677	69	52	72.906	804,225	6.823,119	8,484	8,015
20	3	98.628	26.707,991	403.710,991	15,116	14,647	70	53	70.813	731,752	6.018,895	8,225	7,756
21	4	98.536	24.995,883	377.003,000	15,083	14,613	71	54	68.577	663,831	5.287,142	7,965	7,495
22	5	98.446	23.393,966	352.007,116	15,047	14,578	72	55	66.186	600,178	4.623,312	7,703	7,234
23	6	98.359	21.895,336	328.613,151	15,008	14,539	73	56	63.614	540,380	4.023,133	7,445	6,976
24	7	98.277	20.493,762	306.717,814	14,966	14,497	74	57	60.902	484,624	3.482,753	7,186	6,717
25	8	98.197	19.182,304	286.224,052	14,921	14,452	75	58	58.056	432,767	2.998,129	6,928	6,459
26	9	98.116	17.954,503	267.041,749	14,873	14,404	76	59	55.105	384,796	2.565,362	6,667	6,198
27	10	98.039	16.806,092	249.087,245	14,821	14,352	77	60	52.090	340,741	2.180,566	6,399	5,930
28	11	97.961	15.730,830	232.281,153	14,766	14,297	78	61	48.967	300,063	1.839,825	6,131	5,662
29	12	97.880	14.723,928	216.550,323	14,707	14,238	79	62	45.736	262,541	1.539,761	5,865	5,396
30	13	97.802	13.782,035	201.826,394	14,644	14,175	80	63	42.422	228,118	1.277,220	5,599	5,130
31	14	97.722	12.899,890	188.044,359	14,577	14,108	81	64	39.002	196,466	1.049,103	5,340	4,871
32	15	97.633	12.073,256	175.144,469	14,507	14,038	82	65	35.538	167,697	852,636	5,084	4,615
33	16	97.536	11.298,557	163.071,213	14,433	13,964	83	66	31.939	141,185	684,939	4,851	4,382
34	17	97.429	10.572,605	151.772,656	14,355	13,886	84	67	28.425	117,706	543,754	4,620	4,150
35	18	97.315	9.892,443	141.200,052	14,274	13,804	85	68	25.034	97,108	426,048	4,387	3,918
36	19	97.185	9.254,565	131.307,609	14,188	13,719	86	69	21.872	79,477	328,940	4,139	3,670
37	20	97.049	8.657,195	122.053,043	14,098	13,629	87	70	18.732	63,765	249,463	3,912	3,443
38	21	96.901	8.097,429	113.395,848	14,004	13,535	88	71	15.693	50,041	185,698	3,711	3,242
39	22	96.743	7.573,107	105.298,420	13,904	13,435	89	72	12.883	38,485	135,657	3,525	3,056
40	23	96.568	7.081,394	97.725,312	13,800	13,331	90	73	10.376	29,036	97,172	3,347	2,877
41	24	96.377	6.620,472	90.643,918	13,691	13,222	91	74	8.193	21,476	68,136	3,173	2,703
42	25	96.168	6.188,384	84.023,446	13,578	13,108	92	75	6.303	15,479	46,659	3,014	2,545
43	26	95.932	5.782,872	77.835,062	13,460	12,990	93	76	4.728	10,877	31,181	2,867	2,398
44	27	95.668	5.402,287	72.052,190	13,337	12,868	94	77	3.454	7,444	20,304	2,728	2,259
45	28	95.383	5.045,643	66.649,903	13,209	12,740	95	78	2.453	4,952	12,860	2,597	2,128
46	29	95.061	4.710,655	61.604,260	13,078	12,609	96	79	1.690	3,196	7,908	2,474	2,005
47	30	94.711	4.396,526	56.893,606	12,941	12,471	97	80	1.128	1,998	4,712	2,359	1,890
48	31	94.325	4.101,746	52.497,080	12,799	12,330	98	81	726	1,205	2,714	2,252	1,783
49	32	93.906	3.825,331	48.395,334	12,651	12,182	99	82	451	0,701	1,509	2,153	1,684
							100	83	269	0,392	0,808	2,063	1,594

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 18 Jahre

Zinsfuß 6,75%

Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	32	93.485	3.567,365	44.639,032	12,513	12,044
1							51	33	92.989	3.324,052	41.071,667	12,356	11,887
2							52	34	92.470	3.096,496	37.747,616	12,190	11,721
3							53	35	91.884	2.882,334	34.651,120	12,022	11,553
4							54	36	91.260	2.681,734	31.768,786	11,846	11,377
5							55	37	90.589	2.493,694	29.087,052	11,664	11,195
6							56	38	89.856	2.317,106	26.593,358	11,477	11,008
7							57	39	89.090	2.152,086	24.276,252	11,280	10,811
8							58	40	88.248	1.996,962	22.124,167	11,079	10,610
9							59	41	87.331	1.851,250	20.127,205	10,872	10,403
10							60	42	86.328	1.714,268	18.275,955	10,661	10,192
11							61	43	85.260	1.586,006	16.561,687	10,442	9,973
12							62	44	84.127	1.465,970	14.975,680	10,216	9,746
13							63	45	82.878	1.352,890	13.509,711	9,986	9,517
14							64	46	81.551	1.247,049	12.156,821	9,748	9,279
15							65	47	80.120	1.147,695	10.909,772	9,506	9,037
16							66	48	78.563	1.054,241	9.762,077	9,260	8,791
17							67	49	76.897	966,629	8.707,836	9,008	8,539
18	0	99.214	30.616,111	463.005,158	15,123	14,654	68	50	75.069	883,978	7.741,207	8,757	8,288
19	1	98.762	28.549,629	432.389,047	15,145	14,676	69	51	73.109	806,464	6.857,229	8,503	8,034
20	2	98.647	26.713,273	403.839,418	15,118	14,648	70	52	71.028	733,971	6.050,764	8,244	7,775
21	3	98.553	25.000,174	377.126,145	15,085	14,616	71	53	68.794	665,934	5.316,793	7,984	7,515
22	4	98.459	23.396,987	352.125,971	15,050	14,581	72	54	66.417	602,273	4.650,860	7,722	7,253
23	5	98.372	21.898,199	328.728,983	15,012	14,543	73	55	63.856	542,434	4.048,587	7,464	6,995
24	6	98.286	20.495,651	306.830,784	14,971	14,501	74	56	61.147	486,578	3.506,152	7,206	6,737
25	7	98.205	19.183,974	286.335,133	14,926	14,457	75	57	58.316	434,707	3.019,574	6,946	6,477
26	8	98.125	17.956,227	267.151,159	14,878	14,409	76	58	55.371	386,658	2.584,868	6,685	6,216
27	9	98.046	16.807,178	249.194,932	14,827	14,358	77	59	52.356	342,482	2.198,210	6,418	5,949
28	10	97.969	15.732,153	232.387,754	14,772	14,302	78	60	49.239	301,724	1.855,727	6,150	5,681
29	11	97.889	14.725,309	216.655,601	14,713	14,244	79	61	45.995	264,027	1.554,003	5,886	5,417
30	12	97.811	13.783,206	201.930,291	14,650	14,181	80	62	42.690	229,562	1.289,976	5,619	5,150
31	13	97.731	12.901,140	188.147,086	14,584	14,115	81	63	39.269	197,812	1.060,414	5,361	4,892
32	14	97.644	12.074,663	175.245,946	14,514	14,044	82	64	35.800	168,933	862,602	5,106	4,637
33	15	97.553	11.300,576	163.171,283	14,439	13,970	83	65	32.202	142,348	693,670	4,873	4,404
34	16	97.450	10.574,844	151.870,706	14,362	13,892	84	66	28.685	118,782	551,322	4,641	4,172
35	17	97.336	9.894,620	141.295,862	14,280	13,811	85	67	25.291	98,105	432,540	4,409	3,940
36	18	97.213	9.257,228	131.401,243	14,194	13,725	86	68	22.125	80,396	334,435	4,160	3,691
37	19	97.075	8.659,596	122.144,015	14,105	13,636	87	69	18.974	64,589	254,039	3,933	3,464
38	20	96.931	8.099,987	113.484,419	14,010	13,541	88	70	15.919	50,763	189,449	3,732	3,263
39	21	96.767	7.574,961	105.384,432	13,912	13,443	89	71	13.096	39,119	138,686	3,545	3,076
40	22	96.594	7.083,312	97.809,471	13,808	13,339	90	72	10.567	29,569	99,568	3,367	2,898
41	23	96.402	6.622,200	90.726,160	13,700	13,231	91	73	8.363	21,923	69,998	3,193	2,724
42	24	96.194	6.190,066	84.103,960	13,587	13,118	92	74	6.450	15,839	48,075	3,035	2,566
43	25	95.955	5.784,295	77.913,894	13,470	13,001	93	75	4.854	11,166	32,236	2,887	2,418
44	26	95.694	5.403,800	72.129,599	13,348	12,879	94	76	3.557	7,666	21,070	2,749	2,280
45	27	95.411	5.047,113	66.725,799	13,221	12,751	95	77	2.536	5,119	13,404	2,619	2,149
46	28	95.090	4.712,053	61.678,685	13,090	12,620	96	78	1.755	3,319	8,285	2,496	2,027
47	29	94.739	4.397,813	56.966,632	12,953	12,484	97	79	1.177	2,085	4,966	2,382	1,912
48	30	94.356	4.103,089	52.568,819	12,812	12,343	98	80	764	1,267	2,881	2,274	1,805
49	31	93.940	3.826,698	48.465,730	12,665	12,196	99	81	478	0,742	1,614	2,174	1,705
							100	82	288	0,419	0,871	2,081	1,612

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 19 Jahre

Zinsfuß 6,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	31	93.518	3.568,640	44.702,072	12,526	12,057
1							51	32	93.022	3.325,234	41.133,432	12,370	11,901
2							52	33	92.507	3.097,733	37.808,198	12,205	11,736
3							53	34	91.928	2.883,686	34.710,465	12,037	11,568
4							54	35	91.307	2.683,107	31.826,778	11,862	11,393
5							55	36	90.641	2.495,105	29.143,671	11,680	11,211
6							56	37	89.911	2.318,527	26.648,566	11,494	11,025
7							57	38	89.152	2.153,592	24.330,039	11,297	10,828
8							58	39	88.319	1.998,561	22.176,447	11,096	10,627
9							59	40	87.407	1.852,862	20.177,886	10,890	10,421
10							60	41	86.413	1.715,964	18.325,023	10,679	10,210
11							61	42	85.356	1.587,792	16.609,059	10,460	9,991
12							62	43	84.236	1.467,875	15.021,267	10,233	9,764
13							63	44	82.994	1.354,776	13.553,392	10,004	9,535
14							64	45	81.680	1.249,030	12.198,616	9,766	9,297
15							65	46	80.264	1.149,760	10.949,586	9,523	9,054
16							66	47	78.716	1.056,295	9.799,827	9,278	8,808
17							67	48	77.060	968,682	8.743,532	9,026	8,557
18							68	49	75.250	886,111	7.774,849	8,774	8,305
19	0	99.139	28.658,444	432.624,761	15,096	14,627	69	50	73.294	808,507	6.888,738	8,520	8,051
20	1	98.683	26.722,843	403.966,318	15,117	14,648	70	51	71.226	736,015	6.080,231	8,261	7,792
21	2	98.572	25.005,118	377.243,474	15,087	14,618	71	52	69.003	667,953	5.344,216	8,001	7,532
22	3	98.475	23.401,004	352.238,356	15,052	14,583	72	53	66.628	604,181	4.676,263	7,740	7,271
23	4	98.384	21.901,028	328.837,352	15,015	14,546	73	54	64.079	544,328	4.072,082	7,481	7,012
24	5	98.299	20.498,331	306.936,324	14,974	14,505	74	55	61.380	488,428	3.527,754	7,223	6,754
25	6	98.215	19.185,742	286.437,994	14,930	14,461	75	56	58.551	436,459	3.039,327	6,964	6,494
26	7	98.134	17.957,791	267.252,252	14,882	14,413	76	57	55.620	388,391	2.602,868	6,702	6,233
27	8	98.055	16.808,792	249.294,461	14,831	14,362	77	58	52.609	344,140	2.214,476	6,435	5,966
28	9	97.975	15.733,170	232.485,669	14,777	14,308	78	59	49.490	303,266	1.870,337	6,167	5,698
29	10	97.897	14.726,548	216.752,499	14,718	14,249	79	60	46.250	265,488	1.567,071	5,903	5,433
30	11	97.820	13.784,499	202.025,951	14,656	14,187	80	61	42.932	230,861	1.301,583	5,638	5,169
31	12	97.739	12.902,235	188.241,453	14,590	14,121	81	62	39.518	199,065	1.070,721	5,379	4,910
32	13	97.654	12.075,833	175.339,217	14,520	14,051	82	63	36.045	170,090	871,657	5,125	4,656
33	14	97.564	11.301,893	163.263,384	14,446	13,977	83	64	32.439	143,397	701,567	4,892	4,423
34	15	97.467	10.576,734	151.961,491	14,368	13,898	84	65	28.921	119,760	558,171	4,661	4,192
35	16	97.357	9.896,716	141.384,757	14,286	13,817	85	66	25.522	99,002	438,411	4,428	3,959
36	17	97.234	9.259,265	131.488,042	14,201	13,732	86	67	22.352	81,222	339,409	4,179	3,710
37	18	97.103	8.662,087	122.228,777	14,111	13,642	87	68	19.194	65,337	258,187	3,952	3,483
38	19	96.958	8.102,233	113.566,690	14,017	13,548	88	69	16.125	51,419	192,851	3,751	3,281
39	20	96.798	7.577,354	105.464,457	13,918	13,449	89	70	13.285	39,683	141,432	3,564	3,095
40	21	96.618	7.085,045	97.887,103	13,816	13,347	90	71	10.741	30,057	101,749	3,385	2,916
41	22	96.428	6.623,993	90.802,058	13,708	13,239	91	72	8.517	22,326	71,692	3,211	2,742
42	23	96.219	6.191,681	84.178,065	13,595	13,126	92	73	6.584	16,169	49,367	3,053	2,584
43	24	95.981	5.785,867	77.986,383	13,479	13,010	93	74	4.967	11,426	33,198	2,905	2,436
44	25	95.718	5.405,130	72.200,516	13,358	12,889	94	75	3.652	7,870	21,772	2,767	2,297
45	26	95.438	5.048,527	66.795,386	13,231	12,762	95	76	2.611	5,272	13,902	2,637	2,168
46	27	95.117	4.713,427	61.746,859	13,100	12,631	96	77	1.814	3,431	8,631	2,516	2,047
47	28	94.767	4.399,119	57.033,432	12,965	12,496	97	78	1.222	2,165	5,200	2,401	1,932
48	29	94.384	4.104,290	52.634,313	12,824	12,355	98	79	797	1,323	3,035	2,294	1,825
49	30	93.971	3.827,952	48.530,023	12,678	12,209	99	80	502	0,780	1,712	2,194	1,724
							100	81	305	0,444	0,931	2,100	1,631

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 20 Jahre

Zinsfuß 6,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	30	93.549	3.569,808	44.759,638	12,538	12,069
1							51	31	93.055	3.326,422	41.189,830	12,383	11,913
2							52	32	92.540	3.098,835	37.863,407	12,219	11,749
3							53	33	91.964	2.884,839	34.764,572	12,051	11,582
4							54	34	91.350	2.684,366	31.879,733	11,876	11,407
5							55	35	90.687	2.496,383	29.195,367	11,695	11,226
6							56	36	89.962	2.319,839	26.698,984	11,509	11,040
7							57	37	89.207	2.154,913	24.379,145	11,313	10,844
8							58	38	88.381	1.999,960	22.224,232	11,112	10,643
9							59	39	87.477	1.854,346	20.224,272	10,906	10,437
10							60	40	86.489	1.717,458	18.369,925	10,696	10,227
11							61	41	85.441	1.589,363	16.652,467	10,477	10,008
12							62	42	84.331	1.469,528	15.063,104	10,250	9,781
13							63	43	83.101	1.356,537	13.593,576	10,021	9,552
14							64	44	81.794	1.250,771	12.237,040	9,784	9,314
15							65	45	80.391	1.151,586	10.986,268	9,540	9,071
16							66	46	78.858	1.058,196	9.834,682	9,294	8,825
17							67	47	77.210	970,570	8.776,487	9,043	8,573
18							68	48	75.409	887,994	7.805,917	8,791	8,321
19							69	49	73.471	810,458	6.917,924	8,536	8,067
20	0	99.059	26.824,695	404.184,309	15,068	14,598	70	50	71.406	737,880	6.107,466	8,277	7,808
21	1	98.608	25.014,077	377.359,614	15,086	14,617	71	51	69.195	669,813	5.369,586	8,017	7,547
22	2	98.495	23.405,632	352.345,537	15,054	14,585	72	52	66.830	606,013	4.699,773	7,755	7,286
23	3	98.401	21.904,788	328.939,906	15,017	14,548	73	53	64.282	546,052	4.093,760	7,497	7,028
24	4	98.311	20.500,978	307.035,118	14,977	14,507	74	54	61.594	490,132	3.547,708	7,238	6,769
25	5	98.227	19.188,250	286.534,140	14,933	14,464	75	55	58.774	438,118	3.057,576	6,979	6,510
26	6	98.143	17.959,446	267.345,889	14,886	14,417	76	56	55.844	389,957	2.619,458	6,717	6,248
27	7	98.063	16.810,256	249.386,443	14,835	14,366	77	57	52.845	345,683	2.229,501	6,450	5,980
28	8	97.985	15.734,680	232.576,188	14,781	14,312	78	58	49.730	304,733	1.883,818	6,182	5,713
29	9	97.903	14.727,499	216.841,507	14,724	14,254	79	59	46.486	266,845	1.579,085	5,918	5,448
30	10	97.828	13.785,658	202.114,008	14,661	14,192	80	60	43.170	232,139	1.312,240	5,653	5,184
31	11	97.748	12.903,446	188.328,350	14,595	14,126	81	61	39.741	200,191	1.080,101	5,395	4,926
32	12	97.662	12.076,859	175.424,905	14,526	14,057	82	62	36.273	171,167	879,910	5,141	4,672
33	13	97.574	11.302,988	163.348,046	14,452	13,983	83	63	32.662	144,379	708,744	4,909	4,440
34	14	97.479	10.577,966	152.045,058	14,374	13,905	84	64	29.134	120,642	564,365	4,678	4,209
35	15	97.374	9.898,484	141.467,091	14,292	13,823	85	65	25.732	99,817	443,723	4,445	3,976
36	16	97.255	9.261,226	131.568,607	14,206	13,737	86	66	22.556	81,964	343,906	4,196	3,727
37	17	97.125	8.663,993	122.307,381	14,117	13,648	87	67	19.391	66,007	261,942	3,968	3,499
38	18	96.986	8.104,564	113.643,388	14,022	13,553	88	68	16.311	52,014	195,934	3,767	3,298
39	19	96.825	7.579,455	105.538,824	13,924	13,455	89	69	13.456	40,196	143,920	3,580	3,111
40	20	96.649	7.087,284	97.959,369	13,822	13,353	90	70	10.896	30,490	103,725	3,402	2,933
41	21	96.452	6.625,614	90.872,085	13,715	13,246	91	71	8.657	22,693	73,235	3,227	2,758
42	22	96.245	6.193,358	84.246,471	13,603	13,134	92	72	6.705	16,465	50,541	3,070	2,600
43	23	96.007	5.787,377	78.053,113	13,487	13,018	93	73	5.071	11,664	34,076	2,921	2,452
44	24	95.744	5.406,599	72.265,735	13,366	12,897	94	74	3.737	8,053	22,412	2,783	2,314
45	25	95.461	5.049,769	66.859,137	13,240	12,771	95	75	2.681	5,412	14,359	2,653	2,184
46	26	95.144	4.714,747	61.809,367	13,110	12,641	96	76	1.868	3,533	8,947	2,532	2,063
47	27	94.794	4.400,401	57.094,620	12,975	12,506	97	77	1.264	2,238	5,414	2,419	1,950
48	28	94.412	4.105,509	52.694,219	12,835	12,366	98	78	828	1,374	3,176	2,312	1,843
49	29	93.998	3.829,072	48.588,710	12,689	12,220	99	79	524	0,815	1,802	2,212	1,743
							100	80	320	0,466	0,987	2,118	1,649

Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004

Altersdifferenz zwischen Mann und Frau (x - y) = 21 Jahre

Zinsfuß 6,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	29	93.576	3.570,854	44.812,175	12,549	12,080
1							51	30	93.085	3.327,512	41.241,322	12,394	11,925
2							52	31	92.573	3.099,943	37.913,810	12,230	11,761
3							53	32	91.997	2.885,865	34.813,867	12,064	11,594
4							54	33	91.386	2.685,439	31.928,002	11,889	11,420
5							55	34	90.729	2.497,554	29.242,563	11,708	11,239
6							56	35	90.008	2.321,027	26.745,009	11,523	11,054
7							57	36	89.258	2.156,133	24.423,982	11,328	10,859
8							58	37	88.435	2.001,187	22.267,849	11,127	10,658
9							59	38	87.539	1.855,644	20.266,662	10,922	10,453
10							60	39	86.558	1.718,834	18.411,018	10,711	10,242
11							61	40	85.515	1.590,747	16.692,184	10,493	10,024
12							62	41	84.414	1.470,982	15.101,437	10,266	9,797
13							63	42	83.195	1.358,064	13.630,455	10,037	9,568
14							64	43	81.900	1.252,397	12.272,391	9,799	9,330
15							65	44	80.503	1.153,191	11.019,994	9,556	9,087
16							66	45	78.983	1.059,877	9.866,803	9,309	8,840
17							67	46	77.349	972,316	8.806,926	9,058	8,589
18							68	47	75.556	889,724	7.834,610	8,806	8,337
19							69	48	73.627	812,179	6.944,887	8,551	8,082
20							70	49	71.579	739,660	6.132,707	8,291	7,822
21	0	98.983	25.109,416	377.561,240	15,037	14,568	71	50	69.370	671,510	5.393,047	8,031	7,562
22	1	98.530	23.414,017	352.451,824	15,053	14,584	72	51	67.016	607,701	4.721,538	7,770	7,300
23	2	98.421	21.909,119	329.037,807	15,018	14,549	73	52	64.477	547,708	4.113,837	7,511	7,042
24	3	98.328	20.504,498	307.128,688	14,979	14,509	74	53	61.789	491,685	3.566,129	7,253	6,784
25	4	98.240	19.190,729	286.624,190	14,936	14,466	75	54	58.979	439,647	3.074,444	6,993	6,524
26	5	98.156	17.961,794	267.433,461	14,889	14,420	76	55	56.056	391,439	2.634,797	6,731	6,262
27	6	98.072	16.811,805	249.471,667	14,839	14,370	77	56	53.058	347,076	2.243,358	6,464	5,994
28	7	97.993	15.736,051	232.659,862	14,785	14,316	78	57	49.953	306,099	1.896,282	6,195	5,726
29	8	97.913	14.728,913	216.923,811	14,728	14,259	79	58	46.711	268,136	1.590,182	5,931	5,461
30	9	97.835	13.786,549	202.194,898	14,666	14,197	80	59	43.390	233,325	1.322,046	5,666	5,197
31	10	97.757	12.904,531	188.408,349	14,600	14,131	81	60	39.961	201,299	1.088,721	5,408	4,939
32	11	97.671	12.077,992	175.503,819	14,531	14,062	82	61	36.478	172,135	887,422	5,155	4,686
33	12	97.582	11.303,948	163.425,827	14,457	13,988	83	62	32.868	145,293	715,287	4,923	4,454
34	13	97.488	10.578,991	152.121,879	14,380	13,910	84	63	29.334	121,468	569,994	4,693	4,223
35	14	97.386	9.899,638	141.542,887	14,298	13,829	85	64	25.922	100,552	448,526	4,461	3,992
36	15	97.272	9.262,881	131.643,250	14,212	13,743	86	65	22.742	82,639	347,974	4,211	3,742
37	16	97.145	8.665,828	122.380,368	14,122	13,653	87	66	19.568	66,611	265,334	3,983	3,514
38	17	97.007	8.106,347	113.714,540	14,028	13,559	88	67	16.479	52,548	198,723	3,782	3,313
39	18	96.852	7.581,636	105.608,193	13,929	13,460	89	68	13.612	40,661	146,175	3,595	3,126
40	19	96.675	7.089,249	98.026,557	13,827	13,358	90	69	11.037	30,884	105,515	3,416	2,947
41	20	96.482	6.627,708	90.937,308	13,721	13,252	91	70	8.782	23,021	74,631	3,242	2,773
42	21	96.268	6.194,874	84.309,601	13,610	13,140	92	71	6.816	16,737	51,610	3,084	2,614
43	22	96.033	5.788,945	78.114,727	13,494	13,025	93	72	5.164	11,878	34,873	2,936	2,467
44	23	95.769	5.408,010	72.325,782	13,374	12,905	94	73	3.815	8,220	22,995	2,797	2,328
45	24	95.487	5.051,142	66.917,772	13,248	12,779	95	74	2.743	5,538	14,775	2,668	2,199
46	25	95.167	4.715,907	61.866,631	13,119	12,650	96	75	1.918	3,627	9,237	2,547	2,077
47	26	94.821	4.401,633	57.150,724	12,984	12,515	97	76	1.301	2,305	5,610	2,434	1,965
48	27	94.439	4.106,706	52.749,090	12,845	12,375	98	77	856	1,420	3,305	2,328	1,859
49	28	94.026	3.830,209	48.642,384	12,700	12,231	99	78	544	0,846	1,885	2,228	1,759
							100	79	334	0,487	1,039	2,135	1,666

Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004

Altersdifferenz zwischen Mann und Frau (x - y) = 22 Jahre

Zinsfuß 6,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	28	93.604	3.571,914	44.860,218	12,559	12,090
1							51	29	93.113	3.328,486	41.288,304	12,405	11,935
2							52	30	92.603	3.100,958	37.959,818	12,241	11,772
3							53	31	92.030	2.886,896	34.858,861	12,075	11,606
4							54	32	91.419	2.686,394	31.971,964	11,901	11,432
5							55	33	90.766	2.498,552	29.285,570	11,721	11,252
6							56	34	90.050	2.322,116	26.787,018	11,536	11,066
7							57	35	89.303	2.157,237	24.464,902	11,341	10,872
8							58	36	88.485	2.002,319	22.307,665	11,141	10,672
9							59	37	87.592	1.856,783	20.305,345	10,936	10,467
10							60	38	86.619	1.720,037	18.448,562	10,726	10,257
11							61	39	85.583	1.592,021	16.728,525	10,508	10,039
12							62	40	84.488	1.472,263	15.136,504	10,281	9,812
13							63	41	83.277	1.359,408	13.664,242	10,052	9,582
14							64	42	81.993	1.253,807	12.304,834	9,814	9,345
15							65	43	80.608	1.154,690	11.051,027	9,571	9,101
16							66	44	79.093	1.061,354	9.896,337	9,324	8,855
17							67	45	77.472	973,861	8.834,983	9,072	8,603
18							68	46	75.692	891,325	7.861,122	8,820	8,350
19							69	47	73.770	813,762	6.969,798	8,565	8,096
20							70	48	71.731	741,231	6.156,036	8,305	7,836
21							71	49	69.537	673,130	5.414,805	8,044	7,575
22	0	98.906	23.503,258	352.638,328	15,004	14,535	72	50	67.186	609,240	4.741,675	7,783	7,314
23	1	98.456	21.916,969	329.135,070	15,017	14,548	73	51	64.657	549,233	4.132,435	7,524	7,055
24	2	98.348	20.508,553	307.218,101	14,980	14,511	74	52	61.976	493,176	3.583,202	7,266	6,796
25	3	98.257	19.194,024	286.709,549	14,937	14,468	75	53	59.166	441,040	3.090,026	7,006	6,537
26	4	98.168	17.964,114	267.515,525	14,892	14,423	76	54	56.252	392,806	2.648,986	6,744	6,275
27	5	98.085	16.814,003	249.551,411	14,842	14,373	77	55	53.260	348,395	2.256,181	6,476	6,007
28	6	98.002	15.737,501	232.737,408	14,789	14,320	78	56	50.154	307,333	1.907,785	6,208	5,738
29	7	97.921	14.730,196	216.999,907	14,732	14,263	79	57	46.920	269,338	1.600,452	5,942	5,473
30	8	97.844	13.787,872	202.269,711	14,670	14,201	80	58	43.600	234,454	1.331,114	5,677	5,208
31	9	97.763	12.905,365	188.481,839	14,605	14,136	81	59	40.166	202,328	1.096,660	5,420	4,951
32	10	97.680	12.079,007	175.576,475	14,536	14,067	82	60	36.680	173,088	894,332	5,167	4,698
33	11	97.591	11.305,009	163.497,467	14,462	13,993	83	61	33.054	146,115	721,244	4,936	4,467
34	12	97.497	10.579,890	152.192,459	14,385	13,916	84	62	29.519	122,237	575,129	4,705	4,236
35	13	97.395	9.900,597	141.612,569	14,303	13,834	85	63	26.099	101,241	452,891	4,473	4,004
36	14	97.284	9.263,961	131.711,972	14,218	13,749	86	64	22.909	83,248	351,650	4,224	3,755
37	15	97.163	8.667,377	122.448,011	14,127	13,658	87	65	19.729	67,159	268,402	3,997	3,527
38	16	97.028	8.108,064	113.780,634	14,033	13,564	88	66	16.630	53,028	201,243	3,795	3,326
39	17	96.874	7.583,304	105.672,570	13,935	13,466	89	67	13.752	41,078	148,215	3,608	3,139
40	18	96.703	7.091,288	98.089,266	13,832	13,363	90	68	11.165	31,241	107,136	3,429	2,960
41	19	96.509	6.629,545	90.997,978	13,726	13,257	91	69	8.896	23,318	75,895	3,255	2,786
42	20	96.299	6.196,831	84.368,432	13,615	13,146	92	70	6.914	16,978	52,577	3,097	2,628
43	21	96.056	5.790,361	78.171,601	13,500	13,031	93	71	5.249	12,074	35,599	2,948	2,479
44	22	95.795	5.409,474	72.381,240	13,380	12,911	94	72	3.885	8,371	23,252	2,810	2,341
45	23	95.512	5.052,460	66.971,765	13,255	12,786	95	73	2.800	5,653	15,154	2,681	2,212
46	24	95.193	4.717,189	61.919,305	13,126	12,657	96	74	1.963	3,712	9,501	2,560	2,091
47	25	94.844	4.402,717	57.202,117	12,992	12,523	97	75	1.336	2,366	5,789	2,446	1,977
48	26	94.466	4.107,856	52.799,400	12,853	12,384	98	76	881	1,462	3,423	2,341	1,872
49	27	94.054	3.831,326	48.691,544	12,709	12,240	99	77	563	0,875	1,961	2,242	1,773
							100	78	347	0,505	1,086	2,149	1,680

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 23 Jahre

Zinsfuß 6,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	27	93.631	3.572,955	44.904,216	12,568	12,099
1							51	28	93.140	3.329,474	41.331,261	12,414	11,945
2							52	29	92.630	3.101,866	38.001,787	12,251	11,782
3							53	30	92.060	2.887,842	34.899,921	12,085	11,616
4							54	31	91.451	2.687,354	32.012,079	11,912	11,443
5							55	32	90.798	2.499,441	29.324,725	11,733	11,263
6							56	33	90.086	2.323,044	26.825,284	11,547	11,078
7							57	34	89.345	2.158,249	24.502,240	11,353	10,884
8							58	35	88.531	2.003,345	22.343,991	11,153	10,684
9							59	36	87.642	1.857,834	20.340,646	10,949	10,479
10							60	37	86.672	1.721,092	18.482,812	10,739	10,270
11							61	38	85.643	1.593,136	16.761,720	10,521	10,052
12							62	39	84.555	1.473,442	15.168,584	10,295	9,826
13							63	40	83.350	1.360,592	13.695,143	10,066	9,596
14							64	41	82.074	1.255,047	12.334,551	9,828	9,359
15							65	42	80.699	1.155,990	11.079,504	9,584	9,115
16							66	43	79.196	1.062,733	9.923,514	9,338	8,869
17							67	44	77.580	975,218	8.860,780	9,086	8,617
18							68	45	75.813	892,740	7.885,562	8,833	8,364
19							69	46	73.903	815,226	6.992,822	8,578	8,109
20							70	47	71.871	742,675	6.177,596	8,318	7,849
21							71	48	69.685	674,560	5.434,920	8,057	7,588
22							72	49	67.348	610,710	4.760,360	7,795	7,326
23	0	98.831	22.000,503	329.307,603	14,968	14,499	73	50	64.820	550,624	4.149,651	7,536	7,067
24	1	98.383	20.515,900	307.307,100	14,979	14,510	74	51	62.149	494,549	3.599,026	7,277	6,808
25	2	98.276	19.197,819	286.791,200	14,939	14,470	75	52	59.345	442,377	3.104,477	7,018	6,549
26	3	98.185	17.967,198	267.593,380	14,893	14,424	76	53	56.430	394,050	2.662,100	6,756	6,287
27	4	98.098	16.816,175	249.626,182	14,844	14,375	77	54	53.446	349,611	2.268,050	6,487	6,018
28	5	98.015	15.739,558	232.810,007	14,791	14,322	78	55	50.345	308,502	1.918,439	6,219	5,749
29	6	97.930	14.731,553	217.070,449	14,735	14,266	79	56	47.109	270,424	1.609,937	5,953	5,484
30	7	97.852	13.789,073	202.338,896	14,674	14,205	80	57	43.796	235,505	1.339,513	5,688	5,219
31	8	97.772	12.906,604	188.549,823	14,609	14,140	81	58	40.360	203,307	1.104,008	5,430	4,961
32	9	97.686	12.079,788	175.643,219	14,540	14,071	82	59	36.868	173,972	900,701	5,177	4,708
33	10	97.599	11.305,959	163.563,431	14,467	13,998	83	60	33.237	146,924	726,729	4,946	4,477
34	11	97.506	10.580,882	152.257,472	14,390	13,921	84	61	29.686	122,929	579,805	4,717	4,247
35	12	97.403	9.901,438	141.676,590	14,309	13,840	85	62	26.264	101,882	456,876	4,484	4,015
36	13	97.293	9.264,858	131.775,152	14,223	13,754	86	63	23.066	83,818	354,994	4,235	3,766
37	14	97.174	8.668,387	122.510,294	14,133	13,664	87	64	19.875	67,654	271,175	4,008	3,539
38	15	97.045	8.109,513	113.841,907	14,038	13,569	88	65	16.766	53,465	203,521	3,807	3,338
39	16	96.894	7.584,910	105.732,393	13,940	13,471	89	66	13.877	41,454	150,057	3,620	3,151
40	17	96.724	7.092,849	98.147,483	13,838	13,368	90	67	11.279	31,562	108,603	3,441	2,972
41	18	96.537	6.631,453	91.054,634	13,731	13,262	91	68	8.998	23,588	77,041	3,266	2,797
42	19	96.325	6.198,549	84.423,181	13,620	13,151	92	69	7.003	17,198	53,453	3,108	2,639
43	20	96.086	5.792,191	78.224,632	13,505	13,036	93	70	5.324	12,248	36,255	2,960	2,491
44	21	95.818	5.410,798	72.432,441	13,387	12,918	94	71	3.949	8,509	24,007	2,821	2,352
45	22	95.538	5.053,828	67.021,643	13,262	12,792	95	72	2.852	5,757	15,498	2,692	2,223
46	23	95.218	4.718,420	61.967,815	13,133	12,664	96	73	2.004	3,789	9,741	2,571	2,102
47	24	94.870	4.403,913	57.249,395	13,000	12,531	97	74	1.367	2,421	5,952	2,458	1,989
48	25	94.489	4.108,867	52.845,482	12,861	12,392	98	75	905	1,501	3,531	2,352	1,883
49	26	94.080	3.832,399	48.736,615	12,717	12,248	99	76	579	0,901	2,030	2,254	1,785
							100	77	359	0,522	1,129	2,162	1,693

Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004

Altersdifferenz zwischen Mann und Frau (x - y) = 24 Jahre

Zinsfuß 6,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	26	93.658	3.573,956	44.944,552	12,576	12,106
1							51	27	93.167	3.330,445	41.370,596	12,422	11,953
2							52	28	92.658	3.102,787	38.040,151	12,260	11,791
3							53	29	92.087	2.888,687	34.937,364	12,095	11,625
4							54	30	91.481	2.688,234	32.048,677	11,922	11,453
5							55	31	90.830	2.500,334	29.360,443	11,743	11,273
6							56	32	90.118	2.323,871	26.860,108	11,558	11,089
7							57	33	89.381	2.159,112	24.536,238	11,364	10,895
8							58	34	88.572	2.004,285	22.377,126	11,165	10,696
9							59	35	87.687	1.858,785	20.372,842	10,960	10,491
10							60	36	86.721	1.722,066	18.514,056	10,751	10,282
11							61	37	85.696	1.594,113	16.791,990	10,534	10,065
12							62	38	84.615	1.474,473	15.197,877	10,307	9,838
13							63	39	83.417	1.361,681	13.723,404	10,078	9,609
14							64	40	82.145	1.256,140	12.361,723	9,841	9,372
15							65	41	80.779	1.157,134	11.105,583	9,597	9,128
16							66	42	79.285	1.063,930	9.948,449	9,351	8,882
17							67	43	77.681	976,486	8.884,519	9,098	8,629
18							68	44	75.918	893,985	7.908,033	8,846	8,377
19							69	45	74.020	816,521	7.014,048	8,590	8,121
20							70	46	72.000	744,012	6.197,527	8,330	7,861
21							71	47	69.821	675,874	5.453,515	8,069	7,600
22							72	48	67.491	612,007	4.777,641	7,807	7,337
23							73	49	64.977	551,953	4.165,634	7,547	7,078
24	0	98.758	20.594,095	307.466,722	14,930	14,461	74	50	62.306	495,802	3.613,681	7,289	6,819
25	1	98.312	19.204,697	286.872,627	14,938	14,469	75	51	59.510	443,609	3.117,879	7,028	6,559
26	2	98.204	17.970,751	267.667,930	14,895	14,426	76	52	56.601	395,245	2.674,270	6,766	6,297
27	3	98.115	16.819,062	249.697,179	14,846	14,377	77	53	53.615	350,719	2.279,025	6,498	6,029
28	4	98.028	15.741,591	232.878,117	14,794	14,325	78	54	50.520	309,578	1.928,307	6,229	5,760
29	5	97.943	14.733,479	217.136,526	14,738	14,268	79	55	47.288	271,452	1.618,728	5,963	5,494
30	6	97.861	13.790,344	202.403,047	14,677	14,208	80	56	43.972	236,455	1.347,277	5,698	5,229
31	7	97.781	12.907,728	188.612,703	14,612	14,143	81	57	40.541	204,218	1.110,822	5,439	4,970
32	8	97.695	12.080,948	175.704,975	14,544	14,075	82	58	37.046	174,814	906,604	5,186	4,717
33	9	97.606	11.306,690	163.624,028	14,471	14,002	83	59	33.407	147,675	731,789	4,955	4,486
34	10	97.514	10.581,772	152.317,338	14,394	13,925	84	60	29.851	123,610	584,115	4,725	4,256
35	11	97.413	9.902,367	141.735,566	14,313	13,844	85	61	26.413	102,458	460,505	4,495	4,025
36	12	97.301	9.265,645	131.833,199	14,228	13,759	86	62	23.212	84,349	358,047	4,245	3,776
37	13	97.183	8.669,227	122.567,554	14,138	13,669	87	63	20.011	68,117	273,698	4,018	3,549
38	14	97.057	8.110,458	113.898,327	14,043	13,574	88	64	16.890	53,859	205,580	3,817	3,348
39	15	96.912	7.586,266	105.787,868	13,945	13,476	89	65	13.992	41,795	151,722	3,630	3,161
40	16	96.745	7.094,351	98.201,603	13,842	13,373	90	66	11.382	31,851	109,927	3,451	2,982
41	17	96.558	6.632,912	91.107,251	13,736	13,267	91	67	9.091	23,830	78,076	3,276	2,807
42	18	96.353	6.200,333	84.474,339	13,624	13,155	92	68	7.084	17,396	54,246	3,118	2,649
43	19	96.113	5.793,797	78.274,007	13,510	13,041	93	69	5.393	12,406	36,849	2,970	2,501
44	20	95.849	5.412,508	72.480,210	13,391	12,922	94	70	4.006	8,632	24,443	2,832	2,363
45	21	95.561	5.055,065	67.067,702	13,267	12,798	95	71	2.899	5,852	15,811	2,702	2,233
46	22	95.244	4.719,698	62.012,637	13,139	12,670	96	72	2.040	3,858	9,959	2,581	2,112
47	23	94.895	4.405,063	57.292,940	13,006	12,537	97	73	1.395	2,472	6,101	2,468	1,999
48	24	94.515	4.109,983	52.887,877	12,868	12,399	98	74	926	1,536	3,629	2,363	1,894
49	25	94.103	3.833,342	48.777,894	12,725	12,256	99	75	595	0,925	2,093	2,264	1,795
							100	76	369	0,538	1,169	2,172	1,703

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 25 Jahre

Zinsfuß 6,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	25	93.681	3.574,835	44.981,488	12,583	12,114
1							51	26	93.194	3.331,377	41.406,652	12,429	11,960
2							52	27	92.685	3.103,691	38.075,275	12,268	11,799
3							53	28	92.114	2.889,545	34.971,584	12,103	11,634
4							54	29	91.508	2.689,021	32.082,038	11,931	11,462
5							55	30	90.860	2.501,153	29.393,017	11,752	11,283
6							56	31	90.151	2.324,701	26.891,864	11,568	11,099
7							57	32	89.413	2.159,880	24.567,163	11,374	10,905
8							58	33	88.607	2.005,086	22.407,283	11,175	10,706
9							59	34	87.728	1.859,657	20.402,197	10,971	10,502
10							60	35	86.765	1.722,948	18.542,540	10,762	10,293
11							61	36	85.744	1.595,015	16.819,592	10,545	10,076
12							62	37	84.667	1.475,378	15.224,577	10,319	9,850
13							63	38	83.475	1.362,634	13.749,200	10,090	9,621
14							64	39	82.211	1.257,146	12.386,565	9,853	9,384
15							65	40	80.849	1.158,142	11.129,419	9,610	9,141
16							66	41	79.364	1.064,983	9.971,277	9,363	8,894
17							67	42	77.768	977,585	8.906,295	9,111	8,641
18							68	43	76.017	895,147	7.928,709	8,857	8,388
19							69	44	74.124	817,659	7.033,563	8,602	8,133
20							70	45	72.114	745,194	6.215,903	8,341	7,872
21							71	46	69.947	677,090	5.470,710	8,080	7,611
22							72	47	67.622	613,200	4.793,620	7,817	7,348
23							73	48	65.115	553,125	4.180,420	7,558	7,089
24							74	49	62.457	496,998	3.627,295	7,298	6,829
25	0	98.686	19.277,894	287.020,317	14,889	14,419	75	50	59.661	444,733	3.130,297	7,039	6,569
26	1	98.240	17.977,189	267.742,423	14,893	14,424	76	51	56.759	396,345	2.685,564	6,776	6,307
27	2	98.134	16.822,388	249.765,233	14,847	14,378	77	52	53.778	351,782	2.289,218	6,507	6,038
28	3	98.045	15.744,294	232.942,845	14,795	14,326	78	53	50.680	310,559	1.937,436	6,239	5,769
29	4	97.956	14.735,382	217.198,551	14,740	14,271	79	54	47.454	272,399	1.626,877	5,972	5,503
30	5	97.874	13.792,147	202.463,169	14,680	14,210	80	55	44.139	237,353	1.354,478	5,707	5,237
31	6	97.790	12.908,917	188.671,022	14,616	14,146	81	56	40.704	205,041	1.117,124	5,448	4,979
32	7	97.704	12.082,000	175.762,105	14,547	14,078	82	57	37.212	175,598	912,083	5,194	4,725
33	8	97.615	11.307,775	163.680,105	14,475	14,006	83	58	33.569	148,389	736,485	4,963	4,494
34	9	97.520	10.582,456	152.372,330	14,399	13,929	84	59	30.003	124,241	588,096	4,734	4,264
35	10	97.421	9.903,199	141.789,874	14,318	13,848	85	60	26.559	103,026	463,854	4,502	4,033
36	11	97.311	9.266,514	131.886,675	14,233	13,763	86	61	23.344	84,826	360,829	4,254	3,785
37	12	97.192	8.669,963	122.620,160	14,143	13,674	87	62	20.137	68,549	276,003	4,026	3,557
38	13	97.066	8.111,244	113.950,197	14,048	13,579	88	63	17.006	54,228	207,454	3,826	3,356
39	14	96.923	7.587,150	105.838,953	13,950	13,481	89	64	14.095	42,103	153,226	3,639	3,170
40	15	96.762	7.095,619	98.251,803	13,847	13,378	90	65	11.476	32,113	111,123	3,460	2,991
41	16	96.578	6.634,317	91.156,184	13,740	13,271	91	66	9.174	24,048	79,010	3,286	2,816
42	17	96.374	6.201,697	84.521,867	13,629	13,160	92	67	7.157	17,575	54,962	3,127	2,658
43	18	96.141	5.795,464	78.320,170	13,514	13,045	93	68	5.456	12,550	37,387	2,979	2,510
44	19	95.875	5.414,009	72.524,706	13,396	12,927	94	69	4.058	8,743	24,838	2,841	2,372
45	20	95.591	5.056,662	67.110,698	13,272	12,803	95	70	2.941	5,936	16,094	2,711	2,242
46	21	95.267	4.720,853	62.054,036	13,145	12,676	96	71	2.074	3,922	10,158	2,590	2,121
47	22	94.921	4.406,256	57.333,183	13,012	12,543	97	72	1.421	2,517	6,236	2,477	2,008
48	23	94.539	4.111,056	52.926,927	12,874	12,405	98	73	945	1,568	3,719	2,372	1,903
49	24	94.129	3.834,384	48.815,871	12,731	12,262	99	74	609	0,946	2,151	2,273	1,804
							100	75	379	0,552	1,205	2,181	1,712

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 0 Jahre

Zinsfuß 7,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	0	100.000	100.000,000	1.492.242,251	14,922	14,453	50	50	91.638	3.110,902	36.349,903	11,685	11,215
1	1	99.166	92.678,326	1.392.242,251	15,022	14,553	51	51	90.953	2.885,668	33.239,001	11,519	11,049
2	2	99.090	86.549,258	1.299.563,926	15,015	14,546	52	52	90.231	2.675,463	30.353,332	11,345	10,876
3	3	99.051	80.854,883	1.213.014,668	15,002	14,533	53	53	89.431	2.478,253	27.677,869	11,168	10,699
4	4	99.016	75.538,558	1.132.159,785	14,988	14,518	54	54	88.588	2.294,299	25.199,616	10,984	10,514
5	5	98.990	70.578,199	1.056.621,227	14,971	14,501	55	55	87.680	2.122,238	22.905,317	10,793	10,323
6	6	98.963	65.943,279	986.043,029	14,953	14,483	56	56	86.694	1.961,099	20.783,079	10,598	10,128
7	7	98.942	61.616,372	920.099,749	14,933	14,463	57	57	85.670	1.811,149	18.821,980	10,392	9,923
8	8	98.922	57.573,269	858.483,377	14,911	14,442	58	58	84.550	1.670,527	17.010,831	10,183	9,713
9	9	98.900	53.795,232	800.910,108	14,888	14,419	59	59	83.341	1.538,915	15.340,304	9,968	9,499
10	10	98.885	50.267,964	747.114,876	14,863	14,393	60	60	82.046	1.415,886	13.801,390	9,748	9,278
11	11	98.867	46.971,041	696.846,912	14,836	14,366	61	61	80.675	1.301,158	12.385,504	9,519	9,049
12	12	98.844	43.887,711	649.875,871	14,808	14,338	62	62	79.258	1.194,669	11.084,345	9,278	8,809
13	13	98.822	41.007,713	605.988,160	14,777	14,308	63	63	77.698	1.094,542	9.889,676	9,035	8,566
14	14	98.800	38.316,283	564.980,447	14,745	14,276	64	64	76.054	1.001,297	8.795,134	8,784	8,314
15	15	98.770	35.798,832	526.664,163	14,712	14,242	65	65	74.307	914,288	7.793,837	8,524	8,055
16	16	98.729	33.442,984	490.865,331	14,678	14,208	66	66	72.409	832,654	6.879,549	8,262	7,793
17	17	98.670	31.236,538	457.422,347	14,644	14,174	67	67	70.380	756,378	6.046,895	7,995	7,525
18	18	98.599	29.171,809	426.185,809	14,610	14,140	68	68	68.173	684,722	5.290,517	7,727	7,257
19	19	98.496	27.234,859	397.014,000	14,577	14,108	69	69	65.800	617,653	4.605,795	7,457	6,987
20	20	98.389	25.425,589	369.779,141	14,544	14,074	70	70	63.288	555,206	3.988,142	7,183	6,714
21	21	98.283	23.736,668	344.353,552	14,507	14,038	71	71	60.609	496,921	3.432,936	6,908	6,439
22	22	98.182	22.160,984	320.616,884	14,468	13,998	72	72	57.749	442,496	2.936,015	6,635	6,166
23	23	98.081	20.689,981	298.455,900	14,425	13,956	73	73	54.711	391,795	2.493,519	6,364	5,895
24	24	97.983	19.317,057	277.765,919	14,379	13,910	74	74	51.518	344,792	2.101,724	6,096	5,626
25	25	97.886	18.035,324	258.448,861	14,330	13,861	75	75	48.208	301,531	1.756,932	5,827	5,357
26	26	97.790	16.838,970	240.413,537	14,277	13,808	76	76	44.787	261,807	1.455,401	5,559	5,090
27	27	97.693	15.721,697	223.574,567	14,221	13,751	77	77	41.321	225,744	1.193,594	5,287	4,818
28	28	97.594	14.678,388	207.852,870	14,160	13,691	78	78	37.788	192,940	967,850	5,016	4,547
29	29	97.494	13.703,968	193.174,481	14,096	13,627	79	79	34.179	163,094	774,911	4,751	4,282
30	30	97.396	12.794,692	179.470,514	14,027	13,557	80	80	30.561	136,289	611,816	4,489	4,020
31	31	97.293	11.945,008	166.675,821	13,954	13,484	81	81	26.911	112,163	475,527	4,240	3,770
32	32	97.182	11.150,759	154.730,813	13,876	13,407	82	82	23.325	90,855	363,364	3,999	3,530
33	33	97.068	10.409,030	143.580,054	13,794	13,324	83	83	19.770	71,969	272,509	3,786	3,317
34	34	96.944	9.715,648	133.171,024	13,707	13,237	84	84	16.483	56,079	200,540	3,576	3,107
35	35	96.806	9.067,120	123.455,376	13,616	13,146	85	85	13.487	42,884	144,462	3,369	2,899
36	36	96.655	8.460,742	114.388,256	13,520	13,050	86	86	10.885	32,345	101,578	3,140	2,671
37	37	96.491	7.893,843	105.927,514	13,419	12,949	87	87	8.491	23,581	69,233	2,936	2,466
38	38	96.316	7.363,992	98.033,671	13,313	12,843	88	88	6.365	16,521	45,652	2,763	2,294
39	39	96.116	6.867,945	90.669,678	13,202	12,732	89	89	4.613	11,190	29,130	2,603	2,134
40	40	95.891	6.403,618	83.801,734	13,087	12,617	90	90	3.223	7,306	17,940	2,455	1,986
41	41	95.642	5.969,186	77.398,115	12,966	12,497	91	91	2.173	4,604	10,634	2,310	1,840
42	42	95.366	5.562,577	71.428,930	12,841	12,371	92	92	1.390	2,753	6,030	2,191	1,721
43	43	95.049	5.181,370	65.866,353	12,712	12,243	93	93	851	1,574	3,277	2,082	1,612
44	44	94.691	4.824,144	60.684,983	12,579	12,110	94	94	497	0,859	1,703	1,983	1,513
45	45	94.305	4.490,191	55.860,839	12,441	11,971	95	95	276	0,446	0,844	1,892	1,423
46	46	93.866	4.176,893	51.370,648	12,299	11,829	96	96	146	0,220	0,398	1,810	1,340
47	47	93.379	3.883,401	47.193,755	12,153	11,683	97	97	73	0,103	0,178	1,735	1,265
48	48	92.848	3.608,712	43.310,354	12,002	11,532	98	98	34	0,045	0,075	1,666	1,197
49	49	92.273	3.351,739	39.701,642	11,845	11,376	99	99	15	0,019	0,030	1,604	1,135
							100	100	6	0,007	0,011	1,548	1,078

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -1 Jahr

Zinsfuß 7,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	1	99.620	99.620,306	1.491.256,775	14,969	14,500	50	51	91.406	3.103,042	36.072,514	11,625	11,155
1	2	99.130	92.645,134	1.391.636,469	15,021	14,552	51	52	90.701	2.877,654	32.969,472	11,457	10,988
2	3	99.071	86.532,146	1.298.991,335	15,012	14,542	52	53	89.958	2.667,375	30.091,818	11,281	10,812
3	4	99.034	80.841,004	1.212.459,189	14,998	14,529	53	54	89.148	2.470,428	27.424,443	11,101	10,632
4	5	99.003	75.528,801	1.131.618,185	14,983	14,513	54	55	88.280	2.286,319	24.954,015	10,914	10,445
5	6	98.977	70.568,973	1.056.089,384	14,965	14,496	55	56	87.348	2.114,201	22.667,697	10,722	10,252
6	7	98.954	65.937,203	985.520,411	14,946	14,477	56	57	86.346	1.953,226	20.553,495	10,523	10,053
7	8	98.934	61.611,006	919.583,208	14,926	14,456	57	58	85.288	1.803,065	18.600,270	10,316	9,846
8	9	98.912	57.567,743	857.972,202	14,904	14,434	58	59	84.143	1.662,482	16.797,204	10,104	9,634
9	10	98.894	53.791,756	800.404,459	14,880	14,410	59	60	82.917	1.531,091	15.134,722	9,885	9,415
10	11	98.876	50.263,737	746.612,704	14,854	14,384	60	61	81.594	1.408,092	13.603,631	9,661	9,192
11	12	98.858	46.966,636	696.348,967	14,826	14,357	61	62	80.221	1.293,836	12.195,538	9,426	8,956
12	13	98.835	43.883,984	649.382,330	14,798	14,328	62	63	78.759	1.187,151	10.901,702	9,183	8,714
13	14	98.813	41.003,740	605.498,347	14,767	14,297	63	64	77.170	1.087,098	9.714,551	8,936	8,467
14	15	98.788	38.311,819	564.494,607	14,734	14,265	64	65	75.498	993,975	8.627,453	8,680	8,210
15	16	98.752	35.792,436	526.182,788	14,701	14,231	65	66	73.700	906,821	7.633,478	8,418	7,948
16	17	98.708	33.435,902	490.390,352	14,667	14,197	66	67	71.753	825,113	6.726,658	8,152	7,683
17	18	98.649	31.229,665	456.954,450	14,632	14,163	67	68	69.665	748,689	5.901,545	7,883	7,413
18	19	98.570	29.163,420	425.724,785	14,598	14,128	68	69	67.393	676,890	5.152,856	7,613	7,143
19	20	98.468	27.227,309	396.561,366	14,565	14,095	69	70	64.960	609,773	4.475,965	7,340	6,871
20	21	98.358	25.417,558	369.334,056	14,531	14,061	70	71	62.388	547,314	3.866,192	7,064	6,594
21	22	98.259	23.730,860	343.916,498	14,492	14,023	71	72	59.626	488,865	3.318,878	6,789	6,319
22	23	98.155	22.154,984	320.185,638	14,452	13,983	72	73	56.707	434,518	2.830,013	6,513	6,043
23	24	98.056	20.684,583	298.030,654	14,408	13,939	73	74	53.596	383,813	2.395,495	6,241	5,772
24	25	97.957	19.311,809	277.346,071	14,361	13,892	74	75	50.345	336,944	2.011,681	5,970	5,501
25	26	97.861	18.030,887	258.034,261	14,311	13,841	75	76	46.958	293,713	1.674,738	5,702	5,232
26	27	97.762	16.834,256	240.003,375	14,257	13,787	76	77	43.490	254,228	1.381,024	5,432	4,963
27	28	97.664	15.717,116	223.169,119	14,199	13,730	77	78	39.976	218,400	1.126,796	5,159	4,690
28	29	97.565	14.674,032	207.452,004	14,137	13,668	78	79	36.388	185,789	908,396	4,889	4,420
29	30	97.465	13.699,957	192.777,972	14,071	13,602	79	80	32.741	156,234	722,608	4,625	4,156
30	31	97.365	12.790,503	179.078,016	14,001	13,531	80	81	29.072	129,650	566,374	4,368	3,899
31	32	97.259	11.940,741	166.287,512	13,926	13,457	81	82	25.411	105,911	436,724	4,124	3,654
32	33	97.147	11.146,794	154.346,771	13,847	13,377	82	83	21.818	84,984	330,814	3,893	3,423
33	34	97.029	10.404,871	143.199,977	13,763	13,293	83	84	18.353	66,812	245,830	3,679	3,210
34	35	96.898	9.711,093	132.795,106	13,675	13,205	84	85	15.158	51,572	179,018	3,471	3,002
35	36	96.756	9.062,478	123.084,013	13,582	13,112	85	86	12.316	39,160	127,446	3,254	2,785
36	37	96.600	8.455,958	114.021,535	13,484	13,015	86	87	9.787	29,084	88,286	3,035	2,566
37	38	96.432	7.889,003	105.565,577	13,381	12,912	87	88	7.490	20,801	59,201	2,846	2,377
38	39	96.248	7.358,841	97.676,575	13,273	12,804	88	89	5.528	14,348	38,400	2,676	2,207
39	40	96.039	6.862,449	90.317,733	13,161	12,692	89	90	3.929	9,532	24,052	2,523	2,054
40	41	95.807	6.398,047	83.455,285	13,044	12,574	90	91	2.696	6,112	14,520	2,376	1,906
41	42	95.548	5.963,285	77.057,238	12,922	12,452	91	92	1.766	3,741	8,408	2,247	1,778
42	43	95.259	5.556,320	71.093,952	12,795	12,326	92	93	1.105	2,187	4,667	2,134	1,664
43	44	94.926	5.174,644	65.537,632	12,665	12,196	93	94	660	1,222	2,480	2,030	1,560
44	45	94.559	4.817,429	60.362,988	12,530	12,061	94	95	376	0,650	1,258	1,935	1,466
45	46	94.155	4.483,070	55.545,559	12,390	11,921	95	96	203	0,329	0,608	1,849	1,379
46	47	93.697	4.169,391	51.062,489	12,247	11,777	96	97	104	0,158	0,279	1,770	1,301
47	48	93.198	3.875,849	46.893,098	12,099	11,629	97	98	51	0,072	0,121	1,699	1,229
48	49	92.651	3.601,062	43.017,249	11,946	11,476	98	99	23	0,031	0,050	1,634	1,164
49	50	92.051	3.343,673	39.416,187	11,788	11,319	99	100	10	0,012	0,019	1,575	1,105
							100	101	4	0,005	0,007	1,520	1,051

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -2 Jahre

Zinsfuß 7,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	2	99.585	99.584,628	1.490.596,854	14,968	14,499	50	52	91.153	3.094,424	35.772,917	11,560	11,091
1	3	99.111	92.626,816	1.391.012,226	15,017	14,548	51	53	90.427	2.868,954	32.678,494	11,390	10,921
2	4	99.054	86.517,293	1.298.385,409	15,007	14,538	52	54	89.674	2.658,952	29.809,539	11,211	10,741
3	5	99.021	80.830,563	1.211.868,116	14,993	14,523	53	55	88.838	2.461,835	27.150,587	11,029	10,559
4	6	98.990	75.518,928	1.131.037,553	14,977	14,507	54	56	87.945	2.277,661	24.688,751	10,840	10,370
5	7	98.968	70.562,470	1.055.518,625	14,959	14,489	55	57	86.998	2.105,713	22.411,090	10,643	10,173
6	8	98.945	65.931,461	984.956,155	14,939	14,470	56	58	85.961	1.944,508	20.305,377	10,442	9,973
7	9	98.924	61.605,092	919.024,695	14,918	14,448	57	59	84.877	1.794,383	18.360,869	10,232	9,763
8	10	98.906	57.564,023	857.419,603	14,895	14,426	58	60	83.715	1.654,031	16.566,486	10,016	9,546
9	11	98.886	53.787,232	799.855,580	14,871	14,401	59	61	82.461	1.522,664	14.912,456	9,794	9,324
10	12	98.867	50.259,023	746.068,348	14,844	14,375	60	62	81.135	1.400,168	13.389,792	9,563	9,093
11	13	98.849	46.962,647	695.809,324	14,816	14,347	61	63	79.716	1.285,694	11.989,623	9,325	8,856
12	14	98.826	43.879,732	648.846,677	14,787	14,317	62	64	78.223	1.179,076	10.703,929	9,078	8,609
13	15	98.801	40.998,962	604.966,945	14,756	14,286	63	65	76.605	1.079,148	9.524,853	8,826	8,357
14	16	98.771	38.304,973	563.967,983	14,723	14,254	64	66	74.882	985,857	8.445,705	8,567	8,097
15	17	98.732	35.784,856	525.663,010	14,690	14,220	65	67	73.032	898,608	7.459,848	8,302	7,832
16	18	98.687	33.428,545	489.878,154	14,654	14,185	66	68	71.024	816,725	6.561,240	8,034	7,564
17	19	98.620	31.220,684	456.449,609	14,620	14,151	67	69	68.868	740,126	5.744,515	7,762	7,292
18	20	98.543	29.155,336	425.228,925	14,585	14,115	68	70	66.533	668,254	5.004,389	7,489	7,019
19	21	98.437	27.218,710	396.073,589	14,552	14,082	69	71	64.037	601,106	4.336,134	7,214	6,744
20	22	98.334	25.411,339	368.854,880	14,515	14,046	70	72	61.377	538,441	3.735,028	6,937	6,467
21	23	98.233	23.724,435	343.443,541	14,476	14,007	71	73	58.551	480,051	3.196,587	6,659	6,189
22	24	98.130	22.149,204	319.719,106	14,435	13,965	72	74	55.552	425,666	2.716,536	6,382	5,912
23	25	98.029	20.678,964	297.569,902	14,390	13,920	73	75	52.376	375,077	2.290,870	6,108	5,638
24	26	97.932	19.307,057	276.890,938	14,341	13,872	74	76	49.040	328,208	1.915,793	5,837	5,368
25	27	97.834	18.025,839	257.583,881	14,290	13,820	75	77	45.598	285,211	1.587,585	5,566	5,097
26	28	97.734	16.829,350	239.558,042	14,235	13,765	76	78	42.075	245,957	1.302,374	5,295	4,826
27	29	97.635	15.712,450	222.728,693	14,175	13,706	77	79	38.495	210,305	1.056,417	5,023	4,554
28	30	97.537	14.669,736	207.016,242	14,112	13,642	78	80	34.857	177,973	846,111	4,754	4,285
29	31	97.433	13.695,471	192.346,506	14,045	13,575	79	81	31.146	148,623	668,138	4,496	4,026
30	32	97.330	12.785,934	178.651,035	13,972	13,503	80	82	27.451	122,423	519,515	4,244	3,774
31	33	97.224	11.936,496	165.865,101	13,896	13,426	81	83	23.769	99,066	397,093	4,008	3,539
32	34	97.109	11.142,340	153.928,605	13,815	13,345	82	84	20.254	78,894	298,026	3,778	3,308
33	35	96.983	10.399,993	142.786,265	13,729	13,260	83	85	16.878	61,443	219,133	3,566	3,097
34	36	96.849	9.706,122	132.386,272	13,639	13,170	84	86	13.842	47,094	157,690	3,348	2,879
35	37	96.702	9.057,353	122.680,151	13,545	13,075	85	87	11.074	35,212	110,596	3,141	2,671
36	38	96.541	8.450,773	113.622,797	13,445	12,976	86	88	8.634	25,656	75,383	2,938	2,469
37	39	96.365	7.883,484	105.172,025	13,341	12,871	87	89	6.505	18,065	49,727	2,753	2,283
38	40	96.171	7.352,952	97.288,541	13,231	12,762	88	90	4.709	12,221	31,662	2,591	2,121
39	41	95.955	6.856,478	89.935,589	13,117	12,647	89	91	3.287	7,973	19,440	2,438	1,969
40	42	95.713	6.391,723	83.079,110	12,998	12,528	90	92	2.191	4,967	11,467	2,309	1,839
41	43	95.440	5.956,578	76.687,387	12,874	12,405	91	93	1.403	2,973	6,500	2,187	1,717
42	44	95.135	5.549,108	70.730,809	12,746	12,277	92	94	857	1,697	3,527	2,078	1,609
43	45	94.793	5.167,441	65.181,700	12,614	12,144	93	95	500	0,925	1,830	1,979	1,510
44	46	94.409	4.809,789	60.014,259	12,478	12,008	94	96	277	0,479	0,905	1,889	1,420
45	47	93.986	4.475,018	55.204,471	12,336	11,867	95	97	146	0,236	0,426	1,807	1,338
46	48	93.515	4.161,283	50.729,453	12,191	11,721	96	98	73	0,110	0,190	1,732	1,263
47	49	93.000	3.867,632	46.568,170	12,040	11,571	97	99	34	0,048	0,080	1,664	1,195
48	50	92.428	3.592,395	42.700,537	11,886	11,417	98	100	15	0,020	0,032	1,602	1,133
49	51	91.818	3.335,224	39.108,142	11,726	11,256	99	101	6	0,008	0,012	1,546	1,076
							100	102	2	0,003	0,004	1,494	1,025

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -3 Jahre

Zinsfuß 7,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	3	99.565	99.564,939	1.489.916,664	14,964	14,495	50	53	90.877	3.085,069	35.449,810	11,491	11,021
1	4	99.094	92.610,917	1.390.351,725	15,013	14,543	51	54	90.141	2.859,896	32.364,741	11,317	10,847
2	5	99.041	86.506,119	1.297.740,808	15,002	14,532	52	55	89.362	2.649,704	29.504,845	11,135	10,666
3	6	99.008	80.819,997	1.211.234,689	14,987	14,517	53	56	88.502	2.452,513	26.855,141	10,950	10,481
4	7	98.981	75.511,969	1.130.414,693	14,970	14,500	54	57	87.592	2.268,517	24.402,629	10,757	10,288
5	8	98.959	70.556,325	1.054.902,723	14,951	14,482	55	58	86.609	2.096,315	22.134,112	10,559	10,089
6	9	98.936	65.925,132	984.346,398	14,931	14,462	56	59	85.547	1.935,144	20.037,796	10,355	9,885
7	10	98.918	61.601,111	918.421,267	14,909	14,440	57	60	84.446	1.785,260	18.102,652	10,140	9,671
8	11	98.897	57.559,182	856.820,156	14,886	14,416	58	61	83.254	1.644,926	16.317,392	9,920	9,450
9	12	98.876	53.782,188	799.260,973	14,861	14,392	59	62	81.997	1.514,095	14.672,466	9,691	9,221
10	13	98.859	50.254,755	745.478,785	14,834	14,364	60	63	80.624	1.391,357	13.158,370	9,457	8,988
11	14	98.840	46.958,097	695.224,030	14,805	14,336	61	64	79.174	1.276,949	11.767,013	9,215	8,745
12	15	98.814	43.874,619	648.265,933	14,775	14,306	62	65	77.651	1.170,454	10.490,064	8,962	8,493
13	16	98.783	40.991,637	604.391,314	14,744	14,275	63	66	75.980	1.070,334	9.319,610	8,707	8,238
14	17	98.750	38.296,861	563.399,678	14,711	14,242	64	67	74.204	976,928	8.249,276	8,444	7,975
15	18	98.710	35.776,983	525.102,816	14,677	14,208	65	68	72.290	889,474	7.272,348	8,176	7,706
16	19	98.658	33.418,931	489.325,834	14,642	14,173	66	69	70.212	807,384	6.382,874	7,906	7,436
17	20	98.593	31.212,029	455.906,902	14,607	14,137	67	70	67.990	730,684	5.575,490	7,631	7,161
18	21	98.512	29.146,127	424.694,873	14,571	14,102	68	71	65.588	658,756	4.844,806	7,354	6,885
19	22	98.413	27.212,050	395.548,747	14,536	14,066	69	72	62.999	591,361	4.186,050	7,079	6,609
20	23	98.307	25.404,459	368.336,697	14,499	14,029	70	73	60.270	528,733	3.594,689	6,799	6,329
21	24	98.207	23.718,245	342.932,237	14,459	13,989	71	74	57.358	470,272	3.065,956	6,520	6,050
22	25	98.103	22.143,186	319.213,992	14,416	13,946	72	75	54.288	415,977	2.595,684	6,240	5,770
23	26	98.005	20.673,875	297.070,806	14,369	13,900	73	76	51.018	365,352	2.179,707	5,966	5,497
24	27	97.905	19.301,652	276.396,931	14,320	13,850	74	77	47.620	318,707	1.814,355	5,693	5,223
25	28	97.806	18.020,585	257.095,278	14,267	13,797	75	78	44.115	275,932	1.495,648	5,420	4,951
26	29	97.705	16.824,354	239.074,693	14,210	13,741	76	79	40.516	236,842	1.219,716	5,150	4,680
27	30	97.607	15.707,851	222.250,339	14,149	13,679	77	80	36.875	201,459	982,874	4,879	4,409
28	31	97.505	14.664,933	206.542,488	14,084	13,615	78	81	33.159	169,303	781,416	4,615	4,146
29	32	97.398	13.690,579	191.877,554	14,015	13,546	79	82	29.410	140,338	612,112	4,362	3,892
30	33	97.295	12.781,388	178.186,975	13,941	13,472	80	83	25.677	114,511	471,775	4,120	3,650
31	34	97.185	11.931,726	165.405,588	13,863	13,393	81	84	22.066	91,967	357,263	3,885	3,415
32	35	97.063	11.137,116	153.473,862	13,780	13,311	82	85	18.626	72,554	265,296	3,657	3,187
33	36	96.934	10.394,668	142.336,745	13,693	13,224	83	86	15.413	56,108	192,742	3,435	2,966
34	37	96.794	9.700,633	131.942,077	13,601	13,132	84	87	12.447	42,346	136,634	3,227	2,757
35	38	96.642	9.051,799	122.241,444	13,505	13,035	85	88	9.769	31,062	94,288	3,036	2,566
36	39	96.474	8.444,861	113.189,645	13,403	12,934	86	89	7.498	22,282	63,226	2,838	2,368
37	40	96.288	7.877,175	104.744,783	13,297	12,828	87	90	5.541	15,388	40,944	2,661	2,191
38	41	96.088	7.346,555	96.867,608	13,185	12,716	88	91	3.939	10,224	25,557	2,500	2,030
39	42	95.860	6.849,701	89.521,053	13,069	12,600	89	92	2.671	6,479	15,333	2,366	1,897
40	43	95.605	6.384,534	82.671,352	12,949	12,479	90	93	1.741	3,947	8,854	2,243	1,774
41	44	95.316	5.948,847	76.286,818	12,824	12,354	91	94	1.089	2,307	4,907	2,127	1,658
42	45	95.003	5.541,384	70.337,971	12,693	12,224	92	95	649	1,285	2,600	2,024	1,555
43	46	94.643	5.159,246	64.796,587	12,559	12,090	93	96	368	0,682	1,316	1,930	1,460
44	47	94.239	4.801,150	59.637,341	12,421	11,952	94	97	199	0,344	0,634	1,844	1,375
45	48	93.804	4.466,316	54.836,191	12,278	11,808	95	98	102	0,164	0,290	1,766	1,297
46	49	93.317	4.152,461	50.369,875	12,130	11,661	96	99	49	0,074	0,126	1,695	1,226
47	50	92.776	3.858,324	46.217,414	11,979	11,509	97	100	22	0,032	0,052	1,630	1,161
48	51	92.195	3.583,319	42.359,090	11,821	11,352	98	101	10	0,013	0,020	1,571	1,102
49	52	91.563	3.325,962	38.775,771	11,659	11,189	99	102	4	0,005	0,007	1,518	1,048
							100	103	1	0,002	0,002	1,469	0,999

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -4 Jahre

Zinsfuß 7,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	4	99.548	99.547,849	1.489.197,122	14,960	14,490	50	54	90.590	3.075,328	35.101,797	11,414	10,944
1	5	99.081	92.598,956	1.389.649,273	15,007	14,538	51	55	89.828	2.849,948	32.026,470	11,238	10,768
2	6	99.028	86.494,811	1.297.050,317	14,996	14,526	52	56	89.024	2.639,670	29.176,521	11,053	10,584
3	7	98.999	80.812,549	1.210.555,507	14,980	14,510	53	57	88.146	2.442,667	26.536,851	10,864	10,394
4	8	98.972	75.505,393	1.129.742,957	14,962	14,493	54	58	87.201	2.258,392	24.094,185	10,669	10,199
5	9	98.949	70.549,552	1.054.237,564	14,943	14,474	55	59	86.192	2.086,220	21.835,793	10,467	9,997
6	10	98.929	65.920,872	983.688,012	14,922	14,453	56	60	85.112	1.925,306	19.749,572	10,258	9,788
7	11	98.910	61.595,931	917.767,140	14,900	14,430	57	61	83.981	1.775,434	17.824,266	10,039	9,570
8	12	98.888	57.553,785	856.171,209	14,876	14,407	58	62	82.786	1.635,670	16.048,832	9,812	9,342
9	13	98.868	53.777,620	798.617,425	14,850	14,381	59	63	81.481	1.504,567	14.413,163	9,580	9,110
10	14	98.849	50.249,886	744.839,804	14,823	14,353	60	64	80.076	1.381,894	12.908,595	9,341	8,872
11	15	98.828	46.952,625	694.589,919	14,793	14,324	61	65	78.595	1.267,611	11.526,702	9,093	8,624
12	16	98.796	43.866,780	647.637,293	14,764	14,294	62	66	77.017	1.160,894	10.259,091	8,837	8,368
13	17	98.763	40.982,956	603.770,514	14,732	14,263	63	67	75.292	1.060,640	9.098,196	8,578	8,109
14	18	98.728	38.288,435	562.787,558	14,699	14,229	64	68	73.449	966,998	8.037,556	8,312	7,842
15	19	98.681	35.766,694	524.499,123	14,664	14,195	65	69	71.463	879,300	7.070,558	8,041	7,572
16	20	98.631	33.409,668	488.732,429	14,628	14,159	66	70	69.316	797,083	6.191,258	7,767	7,298
17	21	98.562	31.202,171	455.322,762	14,593	14,123	67	71	67.023	720,298	5.394,175	7,489	7,019
18	22	98.488	29.138,995	424.120,591	14,555	14,086	68	72	64.524	648,076	4.673,877	7,212	6,742
19	23	98.386	27.204,682	394.981,596	14,519	14,049	69	73	61.863	580,699	4.025,800	6,933	6,463
20	24	98.282	25.397,831	367.776,913	14,481	14,011	70	74	59.042	517,962	3.445,101	6,651	6,182
21	25	98.180	23.711,801	342.379,082	14,439	13,970	71	75	56.053	459,567	2.927,139	6,369	5,900
22	26	98.079	22.137,737	318.667,281	14,395	13,925	72	76	52.880	405,192	2.467,572	6,090	5,620
23	27	97.978	20.668,087	296.529,543	14,347	13,878	73	77	49.542	354,776	2.062,380	5,813	5,344
24	28	97.877	19.296,027	275.861,456	14,296	13,827	74	78	46.071	308,338	1.707,604	5,538	5,069
25	29	97.776	18.015,236	256.565,429	14,242	13,772	75	79	42.480	265,706	1.399,266	5,266	4,797
26	30	97.676	16.819,430	238.550,192	14,183	13,713	76	80	38.812	226,879	1.133,560	4,996	4,527
27	31	97.575	15.702,708	221.730,763	14,121	13,651	77	81	35.079	191,645	906,682	4,731	4,262
28	32	97.470	14.659,695	206.028,054	14,054	13,585	78	82	31.311	159,866	715,037	4,473	4,003
29	33	97.364	13.685,711	191.368,359	13,983	13,514	79	83	27.509	131,269	555,171	4,229	3,760
30	34	97.256	12.776,281	177.682,649	13,907	13,438	80	84	23.837	106,306	423,903	3,988	3,518
31	35	97.140	11.926,132	164.906,368	13,827	13,358	81	85	20.293	84,577	317,597	3,755	3,286
32	36	97.013	11.131,415	152.980,236	13,743	13,274	82	86	17.009	66,254	233,020	3,517	3,048
33	37	96.879	10.388,791	141.848,821	13,654	13,185	83	87	13.859	50,451	166,766	3,305	2,836
34	38	96.735	9.694,685	131.460,031	13,560	13,090	84	88	10.980	37,355	116,314	3,114	2,644
35	39	96.575	9.045,467	121.765,346	13,461	12,992	85	89	8.484	26,976	78,959	2,927	2,458
36	40	96.396	8.438,103	112.719,879	13,358	12,889	86	90	6.387	18,979	51,983	2,739	2,269
37	41	96.204	7.870,322	104.281,776	13,250	12,780	87	91	4.635	12,872	33,004	2,564	2,094
38	42	95.993	7.339,293	96.411,453	13,136	12,667	88	92	3.201	8,308	20,132	2,423	1,954
39	43	95.753	6.841,997	89.072,160	13,018	12,549	89	93	2.122	5,148	11,824	2,297	1,827
40	44	95.481	6.376,247	82.230,163	12,896	12,427	90	94	1.351	3,063	6,676	2,180	1,710
41	45	95.184	5.940,566	75.853,916	12,769	12,299	91	95	824	1,746	3,613	2,069	1,600
42	46	94.852	5.532,595	69.913,350	12,637	12,167	92	96	478	0,947	1,867	1,972	1,502
43	47	94.473	5.149,980	64.380,755	12,501	12,032	93	97	264	0,489	0,920	1,882	1,413
44	48	94.056	4.791,814	59.230,775	12,361	11,891	94	98	138	0,239	0,431	1,801	1,331
45	49	93.605	4.456,848	54.438,961	12,215	11,745	95	99	69	0,111	0,192	1,727	1,257
46	50	93.092	4.142,467	49.982,114	12,066	11,596	96	100	32	0,049	0,081	1,659	1,190
47	51	92.542	3.848,576	45.839,646	11,911	11,441	97	101	14	0,020	0,032	1,598	1,128
48	52	91.939	3.573,367	41.991,071	11,751	11,282	98	102	6	0,008	0,012	1,542	1,072
49	53	91.287	3.315,907	38.417,704	11,586	11,116	99	103	2	0,003	0,004	1,491	1,021
							100	104	1	0,001	0,001	1,444	0,975

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -5 Jahre

Zinsfuß 7,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	5	99.535	99.534,992	1.488.432,166	14,954	14,484	50	55	90.275	3.064,631	34.727,039	11,332	10,862
1	6	99.068	92.586,851	1.388.897,174	15,001	14,532	51	56	89.487	2.839,156	31.662,408	11,152	10,683
2	7	99.019	86.486,840	1.296.310,323	14,989	14,519	52	57	88.666	2.629,072	28.823,253	10,963	10,494
3	8	98.990	80.805,511	1.209.823,483	14,972	14,503	53	58	87.753	2.431,765	26.194,180	10,772	10,302
4	9	98.963	75.498,145	1.129.017,971	14,954	14,485	54	59	86.781	2.247,517	23.762,416	10,573	10,103
5	10	98.943	70.544,993	1.053.519,826	14,934	14,464	55	60	85.754	2.075,614	21.514,899	10,366	9,896
6	11	98.921	65.915,328	982.974,833	14,913	14,443	56	61	84.644	1.914,709	19.439,285	10,153	9,683
7	12	98.900	61.590,154	917.059,504	14,890	14,420	57	62	83.508	1.765,443	17.524,576	9,926	9,457
8	13	98.880	57.548,897	855.469,350	14,865	14,396	58	63	82.265	1.625,377	15.759,133	9,696	9,226
9	14	98.858	53.772,410	797.920,453	14,839	14,369	59	64	80.926	1.494,333	14.133,756	9,458	8,989
10	15	98.838	50.244,030	744.148,043	14,811	14,341	60	65	79.490	1.371,788	12.639,423	9,214	8,744
11	16	98.811	46.944,236	693.904,013	14,781	14,312	61	66	77.953	1.257,258	11.267,635	8,962	8,493
12	17	98.775	43.857,490	646.959,777	14,751	14,282	62	67	76.320	1.150,381	10.010,377	8,702	8,232
13	18	98.741	40.973,939	603.102,287	14,719	14,250	63	68	74.526	1.049,859	8.859,996	8,439	7,970
14	19	98.700	38.277,424	562.128,348	14,686	14,216	64	69	72.609	955,938	7.810,137	8,170	7,701
15	20	98.654	35.756,779	523.850,924	14,650	14,181	65	70	70.552	868,082	6.854,199	7,896	7,426
16	21	98.600	33.399,115	488.094,145	14,614	14,144	66	71	68.331	785,754	5.986,117	7,618	7,149
17	22	98.538	31.194,536	454.695,031	14,576	14,107	67	72	65.937	708,620	5.200,363	7,339	6,869
18	23	98.461	29.131,106	423.500,494	14,538	14,068	68	73	63.361	636,392	4.491,743	7,058	6,589
19	24	98.361	27.197,585	394.369,388	14,500	14,031	69	74	60.603	568,869	3.855,351	6,777	6,308
20	25	98.255	25.390,931	367.171,803	14,461	13,991	70	75	57.698	506,172	3.286,482	6,493	6,023
21	26	98.156	23.705,967	341.780,872	14,418	13,948	71	76	54.600	447,652	2.780,310	6,211	5,741
22	27	98.052	22.131,540	318.074,906	14,372	13,903	72	77	51.349	393,462	2.332,658	5,929	5,459
23	28	97.949	20.662,064	295.943,366	14,323	13,854	73	78	47.930	343,234	1.939,196	5,650	5,180
24	29	97.847	19.290,300	275.281,302	14,270	13,801	74	79	44.363	296,911	1.595,962	5,375	4,906
25	30	97.748	18.009,963	255.991,002	14,214	13,744	75	80	40.693	254,528	1.299,051	5,104	4,634
26	31	97.644	16.813,923	237.981,039	14,154	13,684	76	81	36.921	215,826	1.044,523	4,840	4,370
27	32	97.540	15.697,099	221.167,116	14,090	13,620	77	82	33.124	180,962	828,696	4,579	4,110
28	33	97.435	14.654,482	205.470,017	14,021	13,551	78	83	29.287	149,535	647,735	4,332	3,862
29	34	97.325	13.680,242	190.815,535	13,948	13,479	79	84	25.538	121,862	498,200	4,088	3,619
30	35	97.211	12.770,291	177.135,293	13,871	13,401	80	85	21.922	97,763	376,338	3,850	3,380
31	36	97.090	11.920,027	164.365,002	13,789	13,319	81	86	18.531	77,233	278,575	3,607	3,137
32	37	96.958	11.125,120	152.444,975	13,703	13,233	82	87	15.294	59,575	201,342	3,380	2,910
33	38	96.820	10.382,420	141.319,855	13,611	13,142	83	88	12.225	44,504	141,767	3,185	2,716
34	39	96.667	9.687,903	130.937,435	13,516	13,046	84	89	9.535	32,442	97,262	2,998	2,529
35	40	96.497	9.038,229	121.249,532	13,415	12,946	85	90	7.226	22,978	64,821	2,821	2,352
36	41	96.313	8.430,762	112.211,303	13,310	12,840	86	91	5.343	15,877	41,843	2,636	2,166
37	42	96.109	7.862,543	103.780,541	13,199	12,730	87	92	3.766	10,460	25,967	2,482	2,013
38	43	95.885	7.331,039	95.917,998	13,084	12,614	88	93	2.543	6,601	15,506	2,349	1,879
39	44	95.628	6.833,116	88.586,960	12,964	12,495	89	94	1.647	3,995	8,905	2,229	1,759
40	45	95.348	6.367,371	81.753,843	12,839	12,370	90	95	1.022	2,318	4,910	2,118	1,649
41	46	95.033	5.931,144	75.386,472	12,710	12,241	91	96	608	1,287	2,592	2,014	1,544
42	47	94.682	5.522,659	69.455,328	12,576	12,107	92	97	343	0,679	1,305	1,921	1,451
43	48	94.289	5.139,965	63.932,669	12,438	11,969	93	98	184	0,341	0,625	1,836	1,367
44	49	93.857	4.781,655	58.792,704	12,295	11,826	94	99	94	0,162	0,285	1,759	1,289
45	50	93.379	4.446,121	54.011,049	12,148	11,678	95	100	45	0,073	0,123	1,689	1,219
46	51	92.857	4.132,001	49.564,928	11,995	11,526	96	101	20	0,031	0,050	1,625	1,155
47	52	92.285	3.837,887	45.432,927	11,838	11,368	97	102	9	0,012	0,019	1,566	1,097
48	53	91.661	3.562,564	41.595,040	11,676	11,206	98	103	3	0,005	0,007	1,513	1,044
49	54	90.998	3.305,436	38.032,476	11,506	11,037	99	104	1	0,002	0,002	1,465	0,995
							100	105	0	0,001	0,001	1,421	0,951

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -6 Jahre

Zinsfuß 7,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	6	99.522	99.521,980	1.487.613,575	14,948	14,478	50	56	89.933	3.053,025	34.324,211	11,243	10,773
1	7	99.059	92.578,320	1.388.091,594	14,994	14,524	51	57	89.128	2.827,757	31.271,185	11,059	10,589
2	8	99.010	86.479,308	1.295.513,274	14,981	14,511	52	58	88.271	2.617,339	28.443,428	10,867	10,398
3	9	98.981	80.797,755	1.209.033,966	14,964	14,494	53	59	87.330	2.420,054	25.826,089	10,672	10,202
4	10	98.956	75.493,267	1.128.236,211	14,945	14,475	54	60	86.340	2.236,091	23.406,035	10,467	9,998
5	11	98.935	70.539,061	1.052.742,944	14,924	14,455	55	61	85.282	2.064,190	21.169,945	10,256	9,786
6	12	98.912	65.909,147	982.203,883	14,902	14,433	56	62	84.167	1.903,934	19.105,755	10,035	9,565
7	13	98.892	61.584,924	916.294,736	14,879	14,409	57	63	82.983	1.754,333	17.201,821	9,805	9,336
8	14	98.870	57.543,321	854.709,813	14,853	14,384	58	64	81.705	1.614,321	15.447,488	9,569	9,100
9	15	98.847	53.766,144	797.166,492	14,827	14,357	59	65	80.335	1.483,406	13.833,166	9,325	8,856
10	16	98.820	50.235,053	743.400,348	14,798	14,329	60	66	78.841	1.360,584	12.349,761	9,077	8,607
11	17	98.790	46.934,295	693.165,295	14,769	14,299	61	67	77.247	1.245,872	10.989,177	8,820	8,351
12	18	98.754	43.847,840	646.231,000	14,738	14,269	62	68	75.544	1.138,687	9.743,305	8,557	8,087
13	19	98.712	40.962,155	602.383,160	14,706	14,236	63	69	73.674	1.037,851	8.604,618	8,291	7,821
14	20	98.672	38.266,813	561.421,005	14,671	14,202	64	70	71.683	943,742	7.566,767	8,018	7,548
15	21	98.623	35.745,485	523.154,192	14,636	14,166	65	71	69.549	855,743	6.623,025	7,739	7,270
16	22	98.576	33.390,943	487.408,707	14,597	14,128	66	72	67.223	773,015	5.767,282	7,461	6,991
17	23	98.511	31.186,091	454.017,764	14,558	14,089	67	73	64.748	695,845	4.994,267	7,177	6,708
18	24	98.435	29.123,506	422.831,673	14,519	14,049	68	74	62.070	623,427	4.298,422	6,895	6,425
19	25	98.334	27.190,196	393.708,167	14,480	14,010	69	75	59.223	555,920	3.674,995	6,611	6,141
20	26	98.231	25.384,683	366.517,972	14,439	13,969	70	76	56.202	493,048	3.119,075	6,326	5,857
21	27	98.129	23.699,330	341.133,288	14,394	13,925	71	77	53.019	434,693	2.626,026	6,041	5,572
22	28	98.023	22.125,090	317.433,958	14,347	13,878	72	78	49.679	380,662	2.191,333	5,757	5,287
23	29	97.920	20.655,931	295.308,868	14,297	13,827	73	79	46.153	330,513	1.810,671	5,478	5,009
24	30	97.819	19.284,653	274.652,937	14,242	13,773	74	80	42.497	284,421	1.480,158	5,204	4,735
25	31	97.716	18.004,067	255.368,284	14,184	13,714	75	81	38.711	242,129	1.195,737	4,938	4,469
26	32	97.610	16.807,917	237.364,218	14,122	13,653	76	82	34.863	203,795	953,608	4,679	4,210
27	33	97.505	15.691,518	220.556,301	14,056	13,586	77	83	30.983	169,267	749,813	4,430	3,960
28	34	97.396	14.648,627	204.864,783	13,985	13,516	78	84	27.188	138,819	580,545	4,182	3,713
29	35	97.279	13.673,829	190.216,157	13,911	13,441	79	85	23.486	112,069	441,726	3,942	3,472
30	36	97.161	12.763,753	176.542,328	13,832	13,362	80	86	20.018	89,275	329,657	3,693	3,223
31	37	97.035	11.913,286	163.778,575	13,748	13,278	81	87	16.663	69,447	240,382	3,461	2,992
32	38	96.899	11.118,298	151.865,289	13,659	13,190	82	88	13.492	52,552	170,935	3,253	2,783
33	39	96.752	10.375,157	140.746,991	13,566	13,096	83	89	10.617	38,651	118,383	3,063	2,593
34	40	96.590	9.680,150	130.371,833	13,468	12,998	84	90	8.122	27,633	79,732	2,885	2,416
35	41	96.413	9.030,366	120.691,683	13,365	12,896	85	91	6.045	19,222	52,099	2,710	2,241
36	42	96.217	8.422,428	111.661,318	13,258	12,788	86	92	4.341	12,901	32,877	2,548	2,079
37	43	96.001	7.853,700	103.238,889	13,145	12,676	87	93	2.993	8,312	19,976	2,403	1,934
38	44	95.760	7.321,523	95.385,189	13,028	12,559	88	94	1.974	5,123	11,664	2,277	1,807
39	45	95.495	6.823,604	88.063,666	12,906	12,436	89	95	1.247	3,024	6,542	2,163	1,694
40	46	95.197	6.357,273	81.240,062	12,779	12,310	90	96	754	1,709	3,518	2,059	1,589
41	47	94.862	5.920,492	74.882,789	12,648	12,179	91	97	436	0,923	1,809	1,960	1,490
42	48	94.498	5.511,919	68.962,297	12,511	12,042	92	98	239	0,473	0,886	1,872	1,402
43	49	94.089	5.129,068	63.450,378	12,371	11,901	93	99	124	0,230	0,413	1,792	1,322
44	50	93.631	4.770,147	58.321,310	12,226	11,757	94	100	61	0,106	0,182	1,718	1,249
45	51	93.144	4.434,887	53.551,163	12,075	11,605	95	101	29	0,046	0,076	1,652	1,182
46	52	92.599	4.120,525	49.116,275	11,920	11,450	96	102	13	0,019	0,030	1,591	1,122
47	53	92.006	3.826,284	44.995,750	11,760	11,290	97	103	5	0,007	0,011	1,536	1,066
48	54	91.371	3.551,315	41.169,465	11,593	11,123	98	104	2	0,003	0,004	1,486	1,016
49	55	90.682	3.293,939	37.618,150	11,420	10,951	99	105	1	0,001	0,001	1,440	0,970
							100	106					

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -7 Jahre

Zinsfuß 7,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	7	99.513	99.512,810	1.486.737,298	14,940	14,471	50	57	89.572	3.040,768	33.891,884	11,146	10,676
1	8	99.050	92.570,257	1.387.224,488	14,986	14,516	51	58	88.730	2.815,137	30.851,116	10,959	10,489
2	9	99.001	86.471,007	1.294.654,231	14,972	14,503	52	59	87.846	2.604,734	28.035,979	10,763	10,294
3	10	98.974	80.792,534	1.208.183,224	14,954	14,485	53	60	86.886	2.407,751	25.431,244	10,562	10,093
4	11	98.948	75.486,918	1.127.390,690	14,935	14,465	54	61	85.865	2.223,783	23.023,493	10,353	9,884
5	12	98.925	70.532,446	1.051.903,771	14,914	14,444	55	62	84.802	2.052,574	20.799,710	10,133	9,664
6	13	98.903	65.903,549	981.371,326	14,891	14,422	56	63	83.638	1.891,953	18.747,137	9,909	9,439
7	14	98.882	61.578,957	915.467,776	14,867	14,397	57	64	82.418	1.742,400	16.855,184	9,674	9,204
8	15	98.859	57.536,615	853.888,819	14,841	14,371	58	65	81.108	1.602,516	15.112,783	9,431	8,961
9	16	98.829	53.756,538	796.352,204	14,814	14,345	59	66	79.679	1.471,290	13.510,267	9,183	8,713
10	17	98.799	50.224,415	742.595,666	14,786	14,316	60	67	78.127	1.348,262	12.038,977	8,929	8,460
11	18	98.768	46.923,968	692.371,252	14,755	14,286	61	68	76.462	1.233,207	10.690,715	8,669	8,200
12	19	98.725	43.835,230	645.447,283	14,724	14,255	62	69	74.680	1.125,663	9.457,508	8,402	7,932
13	20	98.685	40.950,800	601.612,053	14,691	14,222	63	70	72.734	1.024,610	8.331,845	8,132	7,662
14	21	98.641	38.254,726	560.661,253	14,656	14,186	64	71	70.664	930,328	7.307,235	7,854	7,385
15	22	98.599	35.736,739	522.406,527	14,618	14,149	65	72	68.421	841,870	6.376,907	7,575	7,105
16	23	98.549	33.381,903	486.669,788	14,579	14,109	66	73	66.011	759,078	5.535,037	7,292	6,822
17	24	98.485	31.177,954	453.287,885	14,539	14,069	67	74	63.429	681,669	4.775,959	7,006	6,537
18	25	98.409	29.115,594	422.109,931	14,498	14,028	68	75	60.657	609,237	4.094,290	6,720	6,251
19	26	98.310	27.183,505	392.994,338	14,457	13,988	69	76	57.688	541,507	3.485,053	6,436	5,966
20	27	98.203	25.377,577	365.810,833	14,415	13,945	70	77	54.575	478,776	2.943,547	6,148	5,679
21	28	98.100	23.692,423	340.433,256	14,369	13,899	71	78	51.294	420,552	2.464,771	5,861	5,391
22	29	97.994	22.118,523	316.740,833	14,320	13,851	72	79	47.838	366,554	2.044,220	5,577	5,107
23	30	97.891	20.649,885	294.622,310	14,268	13,798	73	80	44.212	316,610	1.677,666	5,299	4,829
24	31	97.787	19.278,339	273.972,425	14,211	13,742	74	81	40.427	270,565	1.361,056	5,030	4,561
25	32	97.681	17.997,635	254.694,086	14,152	13,682	75	82	36.553	228,632	1.090,491	4,770	4,300
26	33	97.575	16.801,940	236.696,451	14,087	13,618	76	83	32.610	190,625	861,859	4,521	4,052
27	34	97.466	15.685,248	219.894,511	14,019	13,550	77	84	28.763	157,138	671,234	4,272	3,802
28	35	97.351	14.641,759	204.209,263	13,947	13,478	78	85	25.004	127,664	514,096	4,027	3,557
29	36	97.229	13.666,828	189.567,504	13,871	13,401	79	86	21.447	102,339	386,432	3,776	3,306
30	37	97.106	12.756,536	175.900,676	13,789	13,320	80	87	18.000	80,274	284,093	3,539	3,070
31	38	96.976	11.905,981	163.144,140	13,703	13,233	81	88	14.698	61,261	203,819	3,327	2,858
32	39	96.831	11.110,521	151.238,159	13,612	13,143	82	89	11.717	45,640	142,558	3,124	2,654
33	40	96.674	10.366,854	140.127,638	13,517	13,047	83	90	9.044	32,922	96,918	2,944	2,474
34	41	96.506	9.671,729	129.760,784	13,417	12,947	84	91	6.794	23,116	63,996	2,768	2,299
35	42	96.318	9.021,439	120.089,055	13,312	12,842	85	92	4.912	15,619	40,880	2,617	2,148
36	43	96.109	8.412,956	111.067,616	13,202	12,732	86	93	3.450	10,252	25,260	2,464	1,995
37	44	95.876	7.843,506	102.654,660	13,088	12,618	87	94	2.322	6,450	15,009	2,327	1,857
38	45	95.627	7.311,331	94.811,155	12,968	12,498	88	95	1.494	3,877	8,559	2,207	1,738
39	46	95.344	6.812,782	87.499,823	12,843	12,374	89	96	919	2,229	4,682	2,100	1,631
40	47	95.026	6.345,855	80.687,041	12,715	12,245	90	97	541	1,226	2,452	2,001	1,532
41	48	94.678	5.908,979	74.341,186	12,581	12,112	91	98	304	0,643	1,227	1,907	1,438
42	49	94.297	5.500,234	68.432,207	12,442	11,972	92	99	162	0,320	0,584	1,824	1,355
43	50	93.863	5.116,724	62.931,973	12,299	11,830	93	100	82	0,151	0,264	1,749	1,279
44	51	93.394	4.758,095	57.815,249	12,151	11,681	94	101	39	0,067	0,113	1,680	1,210
45	52	92.885	4.422,571	53.057,154	11,997	11,527	95	102	17	0,028	0,046	1,617	1,147
46	53	92.319	4.108,068	48.634,584	11,839	11,369	96	103	7	0,011	0,017	1,559	1,090
47	54	91.715	3.814,203	44.526,515	11,674	11,204	97	104	3	0,004	0,006	1,507	1,037
48	55	91.054	3.538,963	40.712,312	11,504	11,035	98	105	1	0,001	0,002	1,459	0,989
49	56	90.339	3.281,466	37.173,350	11,328	10,859	99	106					
							100	107					

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -8 Jahre

Zinsfuß 7,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	8	99.504	99.504,143	1.485.794,751	14,932	14,462	50	58	89.172	3.027,197	33.428,296	11,043	10,573
1	9	99.041	92.561,371	1.386.290,608	14,977	14,507	51	59	88.303	2.801,580	30.401,099	10,851	10,382
2	10	98.994	86.465,420	1.293.729,236	14,962	14,493	52	60	87.399	2.591,493	27.599,519	10,650	10,181
3	11	98.966	80.785,740	1.207.263,817	14,944	14,475	53	61	86.408	2.394,498	25.008,026	10,444	9,974
4	12	98.939	75.479,839	1.126.478,077	14,924	14,455	54	62	85.382	2.211,269	22.613,528	10,226	9,757
5	13	98.917	70.526,456	1.050.998,238	14,902	14,433	55	63	84.268	2.039,657	20.402,259	10,003	9,533
6	14	98.894	65.897,164	980.471,782	14,879	14,409	56	64	83.069	1.879,084	18.362,602	9,772	9,303
7	15	98.871	61.571,781	914.574,618	14,854	14,384	57	65	81.816	1.729,658	16.483,518	9,530	9,060
8	16	98.841	57.526,335	853.002,837	14,828	14,359	58	66	80.445	1.589,428	14.753,859	9,282	8,813
9	17	98.808	53.745,153	795.476,501	14,801	14,331	59	67	78.957	1.457,965	13.164,432	9,029	8,560
10	18	98.777	50.213,364	741.731,348	14,772	14,302	60	68	77.333	1.334,557	11.706,467	8,772	8,302
11	19	98.740	46.910,473	691.517,983	14,741	14,272	61	69	75.588	1.219,103	10.371,910	8,508	8,038
12	20	98.698	43.823,079	644.607,510	14,709	14,240	62	70	73.727	1.111,302	9.152,807	8,236	7,767
13	21	98.654	40.937,865	600.784,431	14,676	14,206	63	71	71.700	1.010,047	8.041,506	7,962	7,492
14	22	98.617	38.245,367	559.846,566	14,638	14,169	64	72	69.518	915,245	7.031,459	7,683	7,213
15	23	98.572	35.727,064	521.601,200	14,600	14,130	65	73	67.188	826,692	6.116,214	7,398	6,929
16	24	98.523	33.373,193	485.874,136	14,559	14,089	66	74	64.666	743,614	5.289,522	7,113	6,644
17	25	98.459	31.169,484	452.500,943	14,517	14,048	67	75	61.985	666,153	4.545,908	6,824	6,355
18	26	98.385	29.108,429	421.331,459	14,475	14,005	68	76	59.085	593,441	3.879,755	6,538	6,068
19	27	98.282	27.175,895	392.223,030	14,433	13,963	69	77	56.018	525,831	3.286,314	6,250	5,780
20	28	98.175	25.370,181	365.047,135	14,389	13,919	70	78	52.800	463,200	2.760,484	5,960	5,490
21	29	98.071	23.685,391	339.676,954	14,341	13,872	71	79	49.393	404,965	2.297,284	5,673	5,203
22	30	97.965	22.112,049	315.991,564	14,290	13,821	72	80	45.825	351,134	1.892,319	5,389	4,920
23	31	97.859	20.643,124	293.879,515	14,236	13,767	73	81	42.058	301,186	1.541,185	5,117	4,648
24	32	97.752	19.271,453	273.236,391	14,178	13,709	74	82	38.173	255,483	1.239,998	4,854	4,384
25	33	97.646	17.991,236	253.964,939	14,116	13,647	75	83	34.191	213,857	984,515	4,604	4,134
26	34	97.536	16.795,226	235.973,703	14,050	13,581	76	84	30.273	176,966	770,658	4,355	3,885
27	35	97.420	15.677,894	219.178,476	13,980	13,511	77	85	26.451	144,510	593,693	4,108	3,639
28	36	97.301	14.634,263	203.500,582	13,906	13,436	78	86	22.833	116,579	449,183	3,853	3,384
29	37	97.174	13.659,100	188.866,319	13,827	13,358	79	87	19.284	92,022	332,604	3,614	3,145
30	38	97.046	12.748,713	175.207,219	13,743	13,274	80	88	15.878	70,812	240,582	3,397	2,928
31	39	96.908	11.897,652	162.458,506	13,655	13,185	81	89	12.765	53,203	169,770	3,191	2,721
32	40	96.754	11.101,629	150.560,853	13,562	13,093	82	90	9.980	38,875	116,567	2,998	2,529
33	41	96.590	10.357,836	139.459,224	13,464	12,995	83	91	7.565	27,540	77,691	2,821	2,351
34	42	96.410	9.662,168	129.101,388	13,362	12,892	84	92	5.521	18,784	50,151	2,670	2,200
35	43	96.210	9.011,293	119.439,220	13,254	12,785	85	93	3.903	12,411	31,367	2,527	2,058
36	44	95.984	8.402,036	110.427,927	13,143	12,673	86	94	2.677	7,955	18,956	2,383	1,913
37	45	95.743	7.832,587	102.025,892	13,026	12,556	87	95	1.758	4,882	11,000	2,253	1,784
38	46	95.475	7.299,736	94.193,304	12,904	12,434	88	96	1.101	2,858	6,119	2,141	1,671
39	47	95.172	6.800,546	86.893,569	12,777	12,308	89	97	659	1,599	3,260	2,039	1,570
40	48	94.841	6.333,515	80.093,022	12,646	12,176	90	98	377	0,854	1,662	1,946	1,476
41	49	94.477	5.896,452	73.759,507	12,509	12,040	91	99	205	0,435	0,808	1,857	1,388
42	50	94.070	5.486,997	67.863,055	12,368	11,898	92	100	106	0,210	0,373	1,779	1,310
43	51	93.626	5.103,796	62.376,059	12,222	11,752	93	101	52	0,096	0,163	1,707	1,238
44	52	93.135	4.744,880	57.272,263	12,070	11,601	94	102	24	0,041	0,068	1,642	1,173
45	53	92.604	4.409,200	52.527,382	11,913	11,444	95	103	10	0,017	0,026	1,583	1,113
46	54	92.028	4.095,097	48.118,182	11,750	11,281	96	104	4	0,006	0,010	1,528	1,059
47	55	91.396	3.800,936	44.023,085	11,582	11,113	97	105	2	0,002	0,003	1,479	1,009
48	56	90.709	3.525,561	40.222,149	11,409	10,939	98	106					
49	57	89.976	3.268,291	36.696,588	11,228	10,759	99	107					
							100	108					

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -9 Jahre

Zinsfuß 7,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	9	99.495	99.494,592	1.484.780,354	14,923	14,454	50	59	88.743	3.012,619	32.932,318	10,931	10,462
1	10	99.034	92.555,390	1.385.285,762	14,967	14,498	51	60	87.854	2.787,338	29.919,698	10,734	10,265
2	11	98.986	86.458,148	1.292.730,371	14,952	14,483	52	61	86.918	2.577,228	27.132,361	10,528	10,058
3	12	98.957	80.778,164	1.206.272,223	14,933	14,464	53	62	85.922	2.381,024	24.555,132	10,313	9,843
4	13	98.930	75.473,429	1.125.494,059	14,912	14,443	54	63	84.845	2.197,353	22.174,109	10,091	9,622
5	14	98.907	70.519,622	1.050.020,630	14,890	14,420	55	64	83.695	2.025,784	19.976,755	9,861	9,392
6	15	98.882	65.889,485	979.501,008	14,866	14,396	56	65	82.461	1.865,343	17.950,971	9,623	9,154
7	16	98.853	61.560,780	913.611,522	14,841	14,371	57	66	81.147	1.715,532	16.085,629	9,376	8,907
8	17	98.820	57.514,153	852.050,742	14,815	14,345	58	67	79.717	1.575,033	14.370,097	9,124	8,654
9	18	98.787	53.733,328	794.536,590	14,787	14,317	59	68	78.154	1.443,145	12.795,064	8,866	8,397
10	19	98.749	50.198,923	740.803,261	14,757	14,288	60	69	76.448	1.319,293	11.351,919	8,605	8,135
11	20	98.712	46.897,469	690.604,338	14,726	14,256	61	70	74.623	1.203,549	10.032,626	8,336	7,866
12	21	98.667	43.809,237	643.706,868	14,693	14,224	62	71	72.679	1.095,506	8.829,077	8,059	7,590
13	22	98.630	40.927,849	599.897,631	14,657	14,188	63	72	70.538	993,672	7.733,571	7,783	7,313
14	23	98.590	38.235,012	558.969,782	14,619	14,150	64	73	68.265	898,744	6.739,900	7,499	7,030
15	24	98.546	35.717,742	520.734,770	14,579	14,110	65	74	65.819	809,850	5.841,156	7,213	6,743
16	25	98.496	33.364,126	485.017,028	14,537	14,068	66	75	63.194	726,688	5.031,306	6,924	6,454
17	26	98.434	31.161,814	451.652,902	14,494	14,024	67	76	60.378	648,881	4.304,617	6,634	6,164
18	27	98.357	29.100,280	420.491,088	14,450	13,980	68	77	57.374	576,262	3.655,737	6,344	5,874
19	28	98.254	27.167,975	391.390,808	14,406	13,937	69	78	54.195	508,724	3.079,475	6,053	5,584
20	29	98.145	25.362,650	364.222,833	14,361	13,891	70	79	50.843	446,033	2.570,750	5,764	5,294
21	30	98.042	23.678,458	338.860,183	14,311	13,841	71	80	47.315	387,930	2.124,718	5,477	5,008
22	31	97.933	22.104,809	315.181,725	14,259	13,789	72	81	43.593	334,029	1.736,788	5,200	4,730
23	32	97.824	20.635,750	293.076,916	14,202	13,733	73	82	39.714	284,397	1.402,759	4,932	4,463
24	33	97.717	19.264,600	272.441,166	14,142	13,673	74	83	35.707	238,973	1.118,362	4,680	4,210
25	34	97.607	17.984,047	253.176,566	14,078	13,608	75	84	31.741	198,532	879,390	4,429	3,960
26	35	97.490	16.787,352	235.192,519	14,010	13,541	76	85	27.840	162,744	680,857	4,184	3,714
27	36	97.370	15.669,868	218.405,167	13,938	13,468	77	86	24.155	131,963	518,113	3,926	3,457
28	37	97.246	14.625,988	202.735,299	13,861	13,392	78	87	20.531	104,826	386,150	3,684	3,214
29	38	97.115	13.650,724	188.109,311	13,780	13,311	79	88	17.011	81,174	281,324	3,466	2,996
30	39	96.979	12.739,795	174.458,587	13,694	13,224	80	89	13.790	61,498	200,149	3,255	2,785
31	40	96.830	11.888,131	161.718,791	13,603	13,134	81	90	10.873	45,317	138,651	3,060	2,590
32	41	96.670	11.091,971	149.830,660	13,508	13,039	82	91	8.349	32,521	93,334	2,870	2,400
33	42	96.495	10.347,597	138.738,689	13,408	12,938	83	92	6.148	22,379	60,813	2,717	2,248
34	43	96.302	9.651,301	128.391,092	13,303	12,833	84	93	4.387	14,926	38,434	2,575	2,105
35	44	96.085	8.999,596	118.739,791	13,194	12,724	85	94	3.029	9,631	23,508	2,441	1,971
36	45	95.851	8.390,340	109.740,194	13,079	12,610	86	95	2.026	6,021	13,876	2,305	1,835
37	46	95.591	7.820,165	101.349,854	12,960	12,491	87	96	1.296	3,599	7,855	2,183	1,713
38	47	95.304	7.286,625	93.529,690	12,836	12,366	88	97	790	2,050	4,256	2,076	1,607
39	48	94.987	6.787,322	86.243,064	12,706	12,237	89	98	459	1,114	2,207	1,981	1,511
40	49	94.640	6.320,088	79.455,742	12,572	12,102	90	99	255	0,577	1,093	1,893	1,423
41	50	94.250	5.882,261	73.135,654	12,433	11,964	91	100	134	0,285	0,515	1,810	1,340
42	51	93.833	5.473,133	67.253,394	12,288	11,818	92	101	67	0,133	0,231	1,735	1,266
43	52	93.366	5.089,622	61.780,260	12,138	11,669	93	102	32	0,059	0,098	1,668	1,198
44	53	92.853	4.730,536	56.690,639	11,984	11,514	94	103	14	0,024	0,039	1,606	1,137
45	54	92.312	4.395,278	51.960,103	11,822	11,352	95	104	6	0,010	0,015	1,550	1,080
46	55	91.707	4.080,853	47.564,825	11,656	11,186	96	105	2	0,003	0,005	1,499	1,029
47	56	91.050	3.786,542	43.483,972	11,484	11,014	97	106					
48	57	90.345	3.511,407	39.697,429	11,305	10,836	98	107					
49	58	89.574	3.253,705	36.186,022	11,121	10,652	99	108					
							100	109					

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -10 Jahre

Zinsfuß 7,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	10	99.488	99.488,163	1.483.689,682	14,913	14,444	50	60	88.292	2.997,304	32.402,458	10,811	10,341
1	11	99.026	92.547,607	1.384.201,519	14,957	14,487	51	61	87.371	2.771,995	29.405,154	10,608	10,138
2	12	98.977	86.450,040	1.291.653,912	14,941	14,472	52	62	86.429	2.562,725	26.633,158	10,393	9,923
3	13	98.948	80.771,304	1.205.203,872	14,921	14,452	53	63	85.381	2.366,040	24.070,433	10,173	9,704
4	14	98.921	75.466,116	1.124.432,568	14,900	14,430	54	64	84.267	2.182,407	21.704,393	9,945	9,476
5	15	98.896	70.511,405	1.048.966,452	14,877	14,407	55	65	83.083	2.010,970	19.521,986	9,708	9,238
6	16	98.865	65.877,713	978.455,047	14,853	14,383	56	66	81.788	1.850,108	17.511,016	9,465	8,995
7	17	98.832	61.547,743	912.577,334	14,827	14,358	57	67	80.412	1.699,995	15.660,908	9,212	8,743
8	18	98.798	57.501,498	851.029,591	14,800	14,331	58	68	78.906	1.559,023	13.960,913	8,955	8,485
9	19	98.758	53.717,875	793.528,092	14,772	14,303	59	69	77.260	1.426,639	12.401,891	8,693	8,224
10	20	98.722	50.185,008	739.810,217	14,742	14,272	60	70	75.473	1.302,461	10.975,252	8,427	7,957
11	21	98.681	46.882,657	689.625,209	14,710	14,240	61	71	73.563	1.186,442	9.672,791	8,153	7,683
12	22	98.643	43.798,518	642.742,552	14,675	14,205	62	72	71.501	1.077,746	8.486,348	7,874	7,405
13	23	98.603	40.916,768	598.944,034	14,638	14,169	63	73	69.266	975,757	7.408,603	7,593	7,123
14	24	98.565	38.225,036	558.027,266	14,598	14,129	64	74	66.874	880,434	6.432,846	7,306	6,837
15	25	98.520	35.708,038	519.802,230	14,557	14,087	65	75	64.321	791,417	5.552,412	7,016	6,546
16	26	98.472	33.355,917	484.094,192	14,513	14,043	66	76	61.556	707,847	4.760,995	6,726	6,257
17	27	98.407	31.153,090	450.738,275	14,468	13,999	67	77	58.630	630,097	4.053,148	6,433	5,963
18	28	98.328	29.091,799	419.585,185	14,423	13,953	68	78	55.508	557,515	3.423,052	6,140	5,670
19	29	98.225	27.159,911	390.493,386	14,378	13,908	69	79	52.187	489,870	2.865,537	5,850	5,380
20	30	98.117	25.355,227	363.333,475	14,330	13,860	70	80	48.704	427,270	2.375,667	5,560	5,091
21	31	98.010	23.670,705	337.978,248	14,278	13,809	71	81	45.010	369,032	1.948,397	5,280	4,810
22	32	97.898	22.096,913	314.307,543	14,224	13,755	72	82	41.163	315,409	1.579,365	5,007	4,538
23	33	97.790	20.628,412	292.210,631	14,165	13,696	73	83	37.147	266,018	1.263,957	4,751	4,282
24	34	97.678	19.256,903	271.582,218	14,103	13,634	74	84	33.148	221,848	997,939	4,498	4,029
25	35	97.561	17.975,616	252.325,316	14,037	13,568	75	85	29.190	182,578	776,090	4,251	3,781
26	36	97.440	16.778,758	234.349,700	13,967	13,498	76	86	25.423	148,614	593,512	3,994	3,524
27	37	97.315	15.661,007	217.570,942	13,893	13,423	77	87	21.720	118,659	444,898	3,749	3,280
28	38	97.186	14.617,019	201.909,935	13,813	13,344	78	88	18.111	92,470	326,239	3,528	3,059
29	39	97.047	13.641,175	187.292,916	13,730	13,260	79	89	14.774	70,498	233,769	3,316	2,846
30	40	96.901	12.729,600	173.651,741	13,642	13,172	80	90	11.746	52,383	163,272	3,117	2,647
31	41	96.746	11.877,789	160.922,140	13,548	13,079	81	91	9.096	37,910	110,889	2,925	2,456
32	42	96.574	11.081,007	149.044,352	13,450	12,981	82	92	6.784	26,426	72,979	2,762	2,292
33	43	96.386	10.335,959	137.963,345	13,348	12,878	83	93	4.885	17,783	46,553	2,618	2,148
34	44	96.177	9.638,774	127.627,386	13,241	12,772	84	94	3.404	11,583	28,770	2,484	2,014
35	45	95.951	8.987,069	117.988,612	13,129	12,659	85	95	2.293	7,290	17,187	2,358	1,888
36	46	95.699	8.377,033	109.001,543	13,012	12,542	86	96	1.494	4,439	9,898	2,230	1,760
37	47	95.419	7.806,120	100.624,510	12,890	12,421	87	97	929	2,581	5,459	2,115	1,646
38	48	95.118	7.272,455	92.818,390	12,763	12,293	88	98	550	1,428	2,878	2,015	1,545
39	49	94.786	6.772,933	85.545,935	12,631	12,161	89	99	310	0,753	1,450	1,925	1,456
40	50	94.412	6.304,877	78.773,002	12,494	12,024	90	100	167	0,378	0,697	1,842	1,373
41	51	94.011	5.867,399	72.468,124	12,351	11,881	91	101	85	0,181	0,318	1,764	1,294
42	52	93.572	5.457,933	66.600,726	12,203	11,733	92	102	41	0,081	0,138	1,694	1,224
43	53	93.084	5.074,235	61.142,793	12,050	11,580	93	103	19	0,035	0,056	1,630	1,161
44	54	92.560	4.715,599	56.068,558	11,890	11,421	94	104	8	0,014	0,022	1,572	1,102
45	55	91.991	4.379,990	51.352,959	11,724	11,255	95	105	3	0,005	0,008	1,519	1,049
46	56	91.360	4.065,400	46.972,969	11,554	11,085	96	106					
47	57	90.685	3.771,341	42.907,570	11,377	10,908	97	107					
48	58	89.941	3.495,735	39.136,229	11,195	10,726	98	108					
49	59	89.143	3.238,036	35.640,494	11,007	10,537	99	109					
							100	110					

Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente nach der Sterbetafel 2002/2004

Altersdifferenz zwischen Mann und Frau (x - y) = -11 Jahre

Zinsfuß 7,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	11	99.480	99.479,797	1.482.513,738	14,903	14,433	50	61	87.806	2.980,806	31.836,883	10,681	10,211
1	12	99.017	92.538,928	1.383.033,942	14,945	14,476	51	62	86.879	2.756,396	28.856,077	10,469	9,999
2	13	98.968	86.442,698	1.290.495,014	14,929	14,459	52	63	85.885	2.546,598	26.099,680	10,249	9,779
3	14	98.939	80.763,478	1.204.052,315	14,908	14,439	53	64	84.800	2.349,947	23.553,082	10,023	9,553
4	15	98.909	75.457,323	1.123.288,838	14,886	14,417	54	65	83.651	2.166,448	21.203,135	9,787	9,318
5	16	98.878	70.498,807	1.047.831,515	14,863	14,394	55	66	82.405	1.994,545	19.036,687	9,544	9,075
6	17	98.844	65.863,762	977.332,708	14,839	14,369	56	67	81.047	1.833,352	17.042,142	9,296	8,826
7	18	98.810	61.534,201	911.468,947	14,812	14,343	57	68	79.595	1.682,714	15.208,790	9,038	8,569
8	19	98.770	57.484,962	849.934,745	14,785	14,316	58	69	78.004	1.541,191	13.526,076	8,776	8,307
9	20	98.731	53.702,984	792.449,784	14,756	14,287	59	70	76.275	1.408,438	11.984,884	8,509	8,040
10	21	98.690	50.169,157	738.746,799	14,725	14,256	60	71	74.400	1.283,948	10.576,447	8,237	7,768
11	22	98.657	46.871,186	688.577,643	14,691	14,221	61	72	72.370	1.167,207	9.292,498	7,961	7,492
12	23	98.616	43.786,660	641.706,457	14,655	14,186	62	73	70.212	1.058,315	8.125,291	7,678	7,208
13	24	98.577	40.906,093	597.919,797	14,617	14,147	63	74	67.855	955,878	7.066,976	7,393	6,924
14	25	98.538	38.214,651	557.013,704	14,576	14,106	64	75	65.352	860,394	6.111,098	7,103	6,633
15	26	98.495	35.699,252	518.799,053	14,532	14,063	65	76	62.653	770,897	5.250,704	6,811	6,342
16	27	98.445	33.346,578	483.099,801	14,487	14,018	66	77	59.774	687,356	4.479,807	6,517	6,048
17	28	98.378	31.144,011	449.753,223	14,441	13,972	67	78	56.723	609,598	3.792,451	6,221	5,752
18	29	98.299	29.083,164	418.609,212	14,394	13,924	68	79	53.450	536,852	3.182,853	5,929	5,459
19	30	98.196	27.151,961	389.526,048	14,346	13,877	69	80	49.992	469,263	2.646,001	5,639	5,169
20	31	98.085	25.346,925	362.374,087	14,297	13,827	70	81	46.332	406,456	2.176,738	5,355	4,886
21	32	97.975	23.662,250	337.027,162	14,243	13,774	71	82	42.501	348,461	1.770,282	5,080	4,611
22	33	97.863	22.089,055	313.364,912	14,186	13,717	72	83	38.503	295,026	1.421,822	4,819	4,350
23	34	97.751	20.620,170	291.275,857	14,126	13,656	73	84	34.485	246,956	1.126,796	4,563	4,093
24	35	97.632	19.247,875	270.655,687	14,062	13,592	74	85	30.484	204,020	879,840	4,313	3,843
25	36	97.511	17.966,413	251.407,812	13,993	13,524	75	86	26.655	166,726	675,820	4,053	3,584
26	37	97.385	16.769,270	233.441,399	13,921	13,451	76	87	22.860	133,632	509,094	3,810	3,340
27	38	97.256	15.651,403	216.672,129	13,844	13,374	77	88	19.159	104,672	375,462	3,587	3,118
28	39	97.118	14.606,794	201.020,726	13,762	13,293	78	89	15.729	80,307	270,790	3,372	2,902
29	40	96.969	13.630,259	186.413,931	13,676	13,207	79	90	12.584	60,048	190,483	3,172	2,703
30	41	96.817	12.718,526	172.783,673	13,585	13,116	80	91	9.826	43,820	130,435	2,977	2,507
31	42	96.650	11.866,048	160.065,147	13,489	13,020	81	92	7.391	30,805	86,615	2,812	2,342
32	43	96.465	11.068,544	148.199,099	13,389	12,920	82	93	5.391	20,999	55,809	2,658	2,188
33	44	96.261	10.322,543	137.130,555	13,285	12,815	83	94	3.791	13,800	34,811	2,523	2,053
34	45	96.043	9.625,357	126.808,012	13,174	12,705	84	95	2.577	8,766	21,011	2,397	1,927
35	46	95.799	8.972,815	117.182,655	13,060	12,590	85	96	1.690	5,374	12,245	2,278	1,809
36	47	95.527	8.361,988	108.209,840	12,941	12,471	86	97	1.071	3,183	6,871	2,158	1,689
37	48	95.233	7.790,940	99.847,852	12,816	12,346	87	98	648	1,798	3,687	2,050	1,581
38	49	94.917	7.257,038	92.056,912	12,685	12,216	88	99	372	0,966	1,889	1,956	1,487
39	50	94.558	6.756,633	84.799,874	12,551	12,081	89	100	203	0,493	0,923	1,872	1,402
40	51	94.174	6.288,947	78.043,241	12,410	11,940	90	101	106	0,240	0,430	1,794	1,324
41	52	93.750	5.851,103	71.754,294	12,263	11,794	91	102	52	0,111	0,190	1,720	1,250
42	53	93.289	5.441,432	65.903,191	12,111	11,642	92	103	24	0,048	0,080	1,654	1,184
43	54	92.790	5.058,213	60.461,759	11,953	11,484	93	104	11	0,020	0,031	1,594	1,124
44	55	92.238	4.699,197	55.403,546	11,790	11,320	94	105	4	0,008	0,012	1,539	1,069
45	56	91.642	4.363,404	50.704,349	11,620	11,151	95	106					
46	57	90.993	4.049,078	46.340,945	11,445	10,975	96	107					
47	58	90.280	3.754,509	42.291,867	11,264	10,795	97	108					
48	59	89.508	3.478,901	38.537,358	11,077	10,608	98	109					
49	60	88.690	3.221,575	35.058,457	10,882	10,413	99	110					
							100	111					

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -12 Jahre

Zinsfuß 7,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	12	99.470	99.470,467	1.481.248,358	14,891	14,422	50	62	87.312	2.964,032	31.234,156	10,538	10,068
1	13	99.008	92.531,069	1.381.777,890	14,933	14,464	51	63	86.332	2.739,051	28.270,124	10,321	9,852
2	14	98.959	86.434,323	1.289.246,821	14,916	14,446	52	64	85.301	2.529,277	25.531,073	10,094	9,625
3	15	98.927	80.754,067	1.202.812,498	14,895	14,425	53	65	84.180	2.332,762	23.001,796	9,860	9,391
4	16	98.891	75.443,841	1.122.058,432	14,873	14,403	54	66	82.968	2.148,754	20.669,034	9,619	9,150
5	17	98.857	70.483,877	1.046.614,591	14,849	14,379	55	67	81.658	1.976,482	18.520,281	9,370	8,901
6	18	98.822	65.849,270	976.130,714	14,824	14,354	56	68	80.223	1.814,716	16.543,799	9,116	8,647
7	19	98.782	61.516,505	910.281,444	14,797	14,328	57	69	78.685	1.663,468	14.729,083	8,854	8,385
8	20	98.742	57.469,026	848.764,939	14,769	14,300	58	70	77.009	1.521,528	13.065,615	8,587	8,118
9	21	98.700	53.686,022	791.295,913	14,739	14,270	59	71	75.191	1.388,419	11.544,086	8,315	7,845
10	22	98.666	50.156,882	737.609,891	14,706	14,237	60	72	73.194	1.263,133	10.155,668	8,040	7,571
11	23	98.630	46.858,496	687.453,009	14,671	14,201	61	73	71.065	1.146,164	8.892,535	7,759	7,289
12	24	98.590	43.775,236	640.594,513	14,634	14,164	62	74	68.781	1.036,754	7.746,371	7,472	7,002
13	25	98.551	40.894,979	596.819,277	14,594	14,124	63	75	66.310	934,121	6.709,617	7,183	6,713
14	26	98.514	38.205,248	555.924,298	14,551	14,081	64	76	63.658	838,086	5.775,496	6,891	6,422
15	27	98.468	35.689,258	517.719,050	14,506	14,037	65	77	60.839	748,581	4.937,410	6,596	6,126
16	28	98.416	33.336,860	482.029,793	14,459	13,990	66	78	57.829	664,995	4.188,829	6,299	5,830
17	29	98.349	31.134,767	448.692,933	14,411	13,942	67	79	54.620	587,005	3.523,835	6,003	5,534
18	30	98.270	29.074,651	417.558,166	14,362	13,892	68	80	51.202	514,269	2.936,829	5,711	5,241
19	31	98.164	27.143,071	388.483,515	14,312	13,843	69	81	47.556	446,403	2.422,561	5,427	4,957
20	32	98.050	25.337,871	361.340,444	14,261	13,791	70	82	43.749	383,798	1.976,158	5,149	4,679
21	33	97.940	23.653,836	336.002,573	14,205	13,735	71	83	39.755	325,942	1.592,359	4,885	4,416
22	34	97.824	22.080,229	312.348,737	14,146	13,677	72	84	35.744	273,885	1.266,418	4,624	4,154
23	35	97.705	20.610,503	290.268,508	14,084	13,614	73	85	31.714	227,110	992,533	4,370	3,901
24	36	97.582	19.238,021	269.658,005	14,017	13,547	74	86	27.837	186,306	765,423	4,108	3,639
25	37	97.456	17.956,254	250.419,985	13,946	13,477	75	87	23.968	149,917	579,117	3,863	3,393
26	38	97.325	16.758,987	232.463,731	13,871	13,401	76	88	20.165	117,879	429,199	3,641	3,171
27	39	97.188	15.640,455	215.704,744	13,791	13,322	77	89	16.639	90,905	311,320	3,425	2,955
28	40	97.040	14.595,105	200.064,289	13,708	13,238	78	90	13.397	68,404	220,415	3,222	2,753
29	41	96.885	13.618,401	185.469,184	13,619	13,149	79	91	10.527	50,233	152,011	3,026	2,557
30	42	96.721	12.705,954	171.850,783	13,525	13,056	80	92	7.985	35,608	101,779	2,858	2,389
31	43	96.542	11.852,702	159.144,830	13,427	12,957	81	93	5.873	24,478	66,170	2,703	2,234
32	44	96.340	11.054,177	147.292,127	13,325	12,855	82	94	4.183	16,295	41,692	2,559	2,089
33	45	96.127	10.308,174	136.237,950	13,216	12,747	83	95	2.869	10,444	25,397	2,432	1,962
34	46	95.891	9.610,091	125.929,776	13,104	12,634	84	96	1.900	6,463	14,953	2,314	1,844
35	47	95.627	8.956,700	116.319,685	12,987	12,517	85	97	1.212	3,854	8,490	2,203	1,733
36	48	95.341	8.345,727	107.362,985	12,864	12,395	86	98	746	2,218	4,636	2,090	1,620
37	49	95.032	7.774,424	99.017,259	12,736	12,267	87	99	438	1,216	2,418	1,989	1,519
38	50	94.688	7.239,573	91.242,835	12,603	12,134	88	100	244	0,633	1,202	1,900	1,431
39	51	94.319	6.739,561	84.003,262	12,464	11,995	89	101	129	0,313	0,569	1,821	1,351
40	52	93.912	6.271,481	77.263,701	12,320	11,850	90	102	65	0,147	0,257	1,747	1,278
41	53	93.467	5.833,414	70.992,220	12,170	11,700	91	103	31	0,065	0,110	1,678	1,208
42	54	92.995	5.424,251	65.158,806	12,012	11,543	92	104	14	0,027	0,044	1,616	1,146
43	55	92.467	5.040,619	59.734,555	11,851	11,381	93	105	6	0,011	0,017	1,559	1,090
44	56	91.889	4.681,402	54.693,936	11,683	11,214	94	106					
45	57	91.274	4.345,886	50.012,534	11,508	11,039	95	107					
46	58	90.587	4.031,007	45.666,648	11,329	10,859	96	108					
47	59	89.845	3.736,428	41.635,642	11,143	10,674	97	109					
48	60	89.053	3.461,215	37.899,213	10,950	10,480	98	110					
49	61	88.202	3.203,842	34.437,998	10,749	10,279	99	111					
							100	112					

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -13 Jahre

Zinsfuß 7,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	13	99.462	99.462,020	1.479.888,092	14,879	14,409	50	63	86.762	2.945,380	30.591,813	10,386	9,917
1	14	98.999	92.522,104	1.380.426,072	14,920	14,450	51	64	85.745	2.720,420	27.646,433	10,163	9,693
2	15	98.947	86.424,251	1.287.903,968	14,902	14,433	52	65	84.677	2.510,781	24.926,013	9,928	9,458
3	16	98.910	80.739,638	1.201.479,717	14,881	14,411	53	66	83.493	2.313,709	22.415,232	9,688	9,218
4	17	98.871	75.427,864	1.120.740,079	14,858	14,389	54	67	82.217	2.129,293	20.101,523	9,440	8,971
5	18	98.836	70.468,369	1.045.312,215	14,834	14,364	55	68	80.828	1.956,391	17.972,230	9,186	8,717
6	19	98.794	65.830,333	974.843,846	14,808	14,339	56	69	79.306	1.793,960	16.015,839	8,928	8,458
7	20	98.755	61.499,452	909.013,513	14,781	14,311	57	70	77.681	1.642,245	14.221,879	8,660	8,191
8	21	98.711	57.450,874	847.514,061	14,752	14,282	58	71	75.914	1.499,902	12.579,634	8,387	7,917
9	22	98.675	53.672,886	790.063,187	14,720	14,250	59	72	73.972	1.365,909	11.079,732	8,112	7,642
10	23	98.639	50.143,302	736.390,301	14,686	14,216	60	73	71.874	1.240,360	9.713,822	7,831	7,362
11	24	98.604	46.846,270	686.246,998	14,649	14,179	61	74	69.617	1.122,814	8.473,463	7,547	7,077
12	25	98.563	43.763,343	639.400,728	14,610	14,141	62	75	67.216	1.013,156	7.350,649	7,255	6,786
13	26	98.526	40.884,916	595.637,385	14,569	14,099	63	76	64.591	909,901	6.337,493	6,965	6,496
14	27	98.486	38.194,552	554.752,469	14,524	14,055	64	77	61.815	813,825	5.427,592	6,669	6,200
15	28	98.439	35.678,857	516.557,917	14,478	14,008	65	78	58.860	724,228	4.613,767	6,371	5,901
16	29	98.387	33.326,965	480.879,060	14,429	13,960	66	79	55.686	640,348	3.889,539	6,074	5,605
17	30	98.320	31.125,653	447.552,095	14,379	13,909	67	80	52.323	562,312	3.249,191	5,778	5,309
18	31	98.238	29.065,132	416.426,442	14,327	13,858	68	81	48.708	489,216	2.686,878	5,492	5,023
19	32	98.129	27.133,375	387.361,310	14,276	13,807	69	82	44.905	421,519	2.197,662	5,214	4,744
20	33	98.015	25.328,861	360.227,935	14,222	13,753	70	83	40.922	358,996	1.776,143	4,948	4,478
21	34	97.901	23.644,385	334.899,074	14,164	13,694	71	84	36.906	302,585	1.417,148	4,683	4,214
22	35	97.778	22.069,878	311.254,689	14,103	13,634	72	85	32.871	251,875	1.114,562	4,425	3,956
23	36	97.655	20.599,951	289.184,812	14,038	13,569	73	86	28.961	207,391	862,687	4,160	3,690
24	37	97.527	19.227,142	268.584,861	13,969	13,500	74	87	25.031	167,524	655,296	3,912	3,442
25	38	97.397	17.945,243	249.357,719	13,895	13,426	75	88	21.143	132,245	487,772	3,688	3,219
26	39	97.257	16.747,264	231.412,476	13,818	13,348	76	89	17.513	102,375	355,527	3,473	3,003
27	40	97.110	15.627,939	214.665,212	13,736	13,266	77	90	14.173	77,430	253,151	3,269	2,800
28	41	96.956	14.582,408	199.037,274	13,649	13,180	78	91	11.207	57,222	175,721	3,071	2,601
29	42	96.789	13.604,939	184.454,866	13,558	13,088	79	92	8.554	40,819	118,499	2,903	2,434
30	43	96.612	12.691,663	170.849,927	13,462	12,992	80	93	6.345	28,295	77,680	2,745	2,276
31	44	96.416	11.837,317	158.158,263	13,361	12,891	81	94	4.558	18,995	49,385	2,600	2,130
32	45	96.206	11.038,790	146.320,946	13,255	12,786	82	95	3.166	12,333	30,390	2,464	1,995
33	46	95.975	10.291,825	135.282,156	13,145	12,675	83	96	2.115	7,700	18,056	2,345	1,876
34	47	95.718	9.592,831	124.990,331	13,030	12,560	84	97	1.362	4,635	10,357	2,234	1,765
35	48	95.441	8.939,283	115.397,500	12,909	12,440	85	98	845	2,685	5,722	2,131	1,661
36	49	95.139	8.328,034	106.458,218	12,783	12,314	86	99	505	1,499	3,036	2,025	1,555
37	50	94.803	7.755,713	98.130,183	12,653	12,183	87	100	287	0,796	1,537	1,930	1,460
38	51	94.449	7.221,281	90.374,471	12,515	12,046	88	101	154	0,401	0,741	1,847	1,377
39	52	94.057	6.720,844	83.153,190	12,372	11,903	89	102	79	0,192	0,340	1,772	1,303
40	53	93.628	6.252,521	76.432,346	12,224	11,755	90	103	38	0,087	0,148	1,703	1,234
41	54	93.172	5.814,995	70.179,825	12,069	11,599	91	104	18	0,037	0,061	1,638	1,168
42	55	92.671	5.405,384	64.364,830	11,908	11,438	92	105	8	0,015	0,024	1,579	1,110
43	56	92.117	5.021,531	58.959,446	11,741	11,272	93	106					
44	57	91.520	4.662,607	53.937,915	11,568	11,099	94	107					
45	58	90.867	4.326,490	49.275,308	11,389	10,920	95	108					
46	59	90.151	4.011,595	44.948,818	11,205	10,735	96	109					
47	60	89.388	3.717,433	40.937,223	11,012	10,543	97	110					
48	61	88.563	3.442,164	37.219,790	10,813	10,343	98	111					
49	62	87.705	3.185,813	33.777,626	10,603	10,133	99	112					
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -14 Jahre

Zinsfuß 7,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	14	99.452	99.452,383	1.478.425,168	14,866	14,396	50	64	86.172	2.925,346	29.908,981	10,224	9,755
1	15	98.987	92.511,322	1.378.972,786	14,906	14,436	51	65	85.118	2.700,526	26.983,636	9,992	9,522
2	16	98.929	86.408,810	1.286.461,463	14,888	14,419	52	66	83.985	2.490,274	24.283,110	9,751	9,282
3	17	98.889	80.722,540	1.200.052,653	14,866	14,397	53	67	82.737	2.292,755	21.792,835	9,505	9,036
4	18	98.849	75.411,268	1.119.330,114	14,843	14,373	54	68	81.381	2.107,649	19.500,080	9,252	8,783
5	19	98.807	70.448,103	1.043.918,846	14,818	14,349	55	69	79.904	1.934,014	17.392,431	8,993	8,523
6	20	98.766	65.812,084	973.470,743	14,792	14,322	56	70	78.294	1.771,072	15.458,417	8,728	8,259
7	21	98.723	61.480,027	907.658,659	14,763	14,294	57	71	76.577	1.618,903	13.687,345	8,455	7,985
8	22	98.687	57.436,818	846.178,632	14,732	14,263	58	72	74.683	1.475,585	12.068,441	8,179	7,709
9	23	98.649	53.658,355	788.741,814	14,699	14,230	59	73	72.638	1.341,283	10.592,856	7,898	7,428
10	24	98.614	50.130,220	735.083,459	14,663	14,194	60	74	70.410	1.215,090	9.251,573	7,614	7,144
11	25	98.578	46.833,543	684.953,239	14,625	14,156	61	75	68.033	1.097,256	8.036,482	7,324	6,855
12	26	98.539	43.752,574	638.119,696	14,585	14,115	62	76	65.473	986,888	6.939,226	7,031	6,562
13	27	98.499	40.873,470	594.367,122	14,542	14,072	63	77	62.721	883,561	5.952,338	6,737	6,267
14	28	98.457	38.183,421	553.493,651	14,496	14,026	64	78	59.804	787,349	5.068,777	6,438	5,968
15	29	98.410	35.668,266	515.310,231	14,447	13,978	65	79	56.679	697,386	4.281,428	6,139	5,670
16	30	98.358	33.317,210	479.641,964	14,396	13,927	66	80	53.343	613,411	3.584,042	5,843	5,373
17	31	98.288	31.115,462	446.324,754	14,344	13,875	67	81	49.774	534,920	2.970,630	5,553	5,084
18	32	98.203	29.054,749	415.209,292	14,291	13,821	68	82	45.993	461,946	2.435,711	5,273	4,803
19	33	98.094	27.123,727	386.154,543	14,237	13,767	69	83	42.003	394,279	1.973,765	5,006	4,537
20	34	97.976	25.318,740	359.030,816	14,180	13,711	70	84	37.989	333,271	1.579,487	4,739	4,270
21	35	97.855	23.633,300	333.712,075	14,120	13,651	71	85	33.940	278,269	1.246,216	4,478	4,009
22	36	97.728	22.058,579	310.078,776	14,057	13,588	72	86	30.017	230,006	967,947	4,208	3,739
23	37	97.599	20.588,302	288.020,197	13,990	13,520	73	87	26.041	186,483	737,941	3,957	3,488
24	38	97.467	19.215,352	267.431,894	13,918	13,448	74	88	22.080	147,777	551,458	3,732	3,262
25	39	97.328	17.932,690	248.216,543	13,842	13,372	75	89	18.362	114,852	403,681	3,515	3,045
26	40	97.179	16.733,862	230.283,853	13,762	13,292	76	90	14.917	87,201	288,829	3,312	2,843
27	41	97.025	15.614,343	213.549,991	13,677	13,207	77	91	11.856	64,773	201,629	3,113	2,643
28	42	96.860	14.567,993	197.935,649	13,587	13,118	78	92	9.107	46,499	136,855	2,943	2,474
29	43	96.680	13.589,638	183.367,656	13,493	13,024	79	93	6.797	32,435	90,356	2,786	2,316
30	44	96.487	12.675,189	169.778,018	13,395	12,925	80	94	4.923	21,957	57,921	2,638	2,168
31	45	96.282	11.820,840	157.102,828	13,290	12,821	81	95	3.449	14,377	35,964	2,502	2,032
32	46	96.053	11.021,282	145.281,989	13,182	12,712	82	96	2.334	9,092	21,587	2,374	1,905
33	47	95.802	10.273,341	134.260,706	13,069	12,599	83	97	1.517	5,522	12,495	2,263	1,793
34	48	95.532	9.574,176	123.987,365	12,950	12,481	84	98	949	3,229	6,973	2,159	1,690
35	49	95.239	8.920,332	114.413,189	12,826	12,357	85	99	571	1,815	3,744	2,062	1,593
36	50	94.910	8.307,991	105.492,857	12,698	12,228	86	100	331	0,982	1,928	1,963	1,494
37	51	94.563	7.736,117	97.184,866	12,562	12,093	87	101	182	0,505	0,946	1,874	1,405
38	52	94.187	7.201,226	89.448,749	12,421	11,952	88	102	95	0,246	0,441	1,796	1,327
39	53	93.773	6.700,525	82.247,523	12,275	11,805	89	103	47	0,113	0,196	1,726	1,256
40	54	93.332	6.232,779	75.546,998	12,121	11,651	90	104	22	0,050	0,082	1,661	1,192
41	55	92.848	5.794,769	69.314,219	11,962	11,492	91	105	10	0,020	0,033	1,600	1,130
42	56	92.320	5.384,915	63.519,450	11,796	11,326	92	106					
43	57	91.747	5.001,371	58.134,536	11,624	11,154	93	107					
44	58	91.111	4.641,798	53.133,165	11,447	10,977	94	108					
45	59	90.429	4.305,655	48.491,368	11,262	10,793	95	109					
46	60	89.693	3.991,201	44.185,712	11,071	10,601	96	110					
47	61	88.896	3.696,972	40.194,512	10,872	10,403	97	111					
48	62	88.065	3.422,794	36.497,540	10,663	10,194	98	112					
49	63	87.153	3.165,765	33.074,747	10,448	9,978	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -15 Jahre

Zinsfuß 7,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	15	99.441	99.440,794	1.476.853,524	14,852	14,382	50	65	85.542	2.903,953	29.184,242	10,050	9,580
1	16	98.969	92.494,793	1.377.412,730	14,892	14,422	51	66	84.423	2.678,470	26.280,289	9,812	9,342
2	17	98.908	86.390,511	1.284.917,937	14,873	14,404	52	67	83.225	2.467,721	23.601,819	9,564	9,095
3	18	98.867	80.704,779	1.198.527,426	14,851	14,381	53	68	81.896	2.269,449	21.134,098	9,312	8,843
4	19	98.820	75.389,580	1.117.822,647	14,827	14,358	54	69	80.450	2.083,543	18.864,649	9,054	8,585
5	20	98.780	70.428,574	1.042.433,067	14,801	14,332	55	70	78.884	1.909,340	16.781,106	8,789	8,319
6	21	98.735	65.791,297	972.004,492	14,774	14,305	56	71	77.181	1.745,899	14.871,767	8,518	8,049
7	22	98.699	61.464,985	906.213,195	14,744	14,274	57	72	75.335	1.592,657	13.125,867	8,241	7,772
8	23	98.660	57.421,267	844.748,211	14,711	14,242	58	73	73.337	1.448,982	11.533,210	7,960	7,490
9	24	98.623	53.644,355	787.326,943	14,677	14,207	59	74	71.158	1.313,958	10.084,228	7,675	7,205
10	25	98.587	50.116,600	733.682,588	14,640	14,170	60	75	68.807	1.187,433	8.770,270	7,386	6,916
11	26	98.553	46.822,019	683.565,988	14,599	14,130	61	76	66.269	1.068,807	7.582,837	7,095	6,625
12	27	98.512	43.740,325	636.743,969	14,557	14,088	62	77	63.578	958,319	6.514,030	6,797	6,328
13	28	98.470	40.861,559	593.003,643	14,513	14,043	63	78	60.681	854,817	5.555,711	6,499	6,030
14	29	98.428	38.172,087	552.142,085	14,465	13,995	64	79	57.587	758,168	4.700,895	6,200	5,731
15	30	98.381	35.657,826	513.969,998	14,414	13,944	65	80	54.294	668,050	3.942,726	5,902	5,432
16	31	98.326	33.306,301	478.312,172	14,361	13,891	66	81	50.745	583,529	3.274,676	5,612	5,142
17	32	98.253	31.104,347	445.005,870	14,307	13,837	67	82	46.999	505,101	2.691,147	5,328	4,858
18	33	98.168	29.044,418	413.901,523	14,251	13,781	68	83	43.020	432,093	2.186,046	5,059	4,590
19	34	98.055	27.112,889	384.857,105	14,195	13,725	69	84	38.993	366,025	1.753,953	4,792	4,322
20	35	97.930	25.306,870	357.744,216	14,136	13,667	70	85	34.936	306,488	1.387,928	4,528	4,059
21	36	97.805	23.621,200	332.437,345	14,074	13,604	71	86	30.993	254,109	1.081,439	4,256	3,786
22	37	97.673	22.046,105	308.816,145	14,008	13,538	72	87	26.991	206,818	827,331	4,000	3,531
23	38	97.540	20.575,677	286.770,039	13,937	13,468	73	88	22.971	164,501	620,513	3,772	3,303
24	39	97.399	19.201,910	266.194,362	13,863	13,393	74	89	19.176	128,340	456,011	3,553	3,084
25	40	97.251	17.918,339	246.992,452	13,784	13,315	75	90	15.640	97,828	327,671	3,349	2,880
26	41	97.095	16.719,304	229.074,113	13,701	13,232	76	91	12.479	72,947	229,844	3,151	2,681
27	42	96.930	15.598,908	212.354,809	13,613	13,144	77	92	9.634	52,635	156,897	2,981	2,511
28	43	96.751	14.551,609	196.755,901	13,521	13,052	78	93	7.237	36,949	104,262	2,822	2,352
29	44	96.555	13.571,999	182.204,292	13,425	12,956	79	94	5.275	25,170	67,314	2,674	2,205
30	45	96.352	12.657,545	168.632,294	13,323	12,853	80	95	3.726	16,618	42,144	2,536	2,066
31	46	96.129	11.802,092	155.974,748	13,216	12,746	81	96	2.543	10,599	25,525	2,408	1,939
32	47	95.881	11.001,488	144.172,657	13,105	12,635	82	97	1.674	6,521	14,926	2,289	1,820
33	48	95.616	10.253,363	133.171,169	12,988	12,519	83	98	1.057	3,847	8,406	2,185	1,715
34	49	95.330	9.553,880	122.917,806	12,866	12,396	84	99	642	2,183	4,558	2,088	1,618
35	50	95.009	8.898,863	113.363,926	12,739	12,270	85	100	374	1,189	2,375	1,997	1,528
36	51	94.670	8.287,000	104.465,063	12,606	12,136	86	101	210	0,623	1,186	1,905	1,435
37	52	94.301	7.714,632	96.178,063	12,467	11,997	87	102	111	0,309	0,563	1,821	1,351
38	53	93.902	7.179,455	88.463,431	12,322	11,852	88	103	56	0,145	0,254	1,748	1,278
39	54	93.477	6.679,368	81.283,976	12,169	11,700	89	104	27	0,065	0,109	1,682	1,213
40	55	93.008	6.211,100	74.604,608	12,011	11,542	90	105	12	0,027	0,044	1,621	1,152
41	56	92.496	5.772,825	68.393,509	11,847	11,378	91	106					
42	57	91.950	5.363,296	62.620,683	11,676	11,206	92	107					
43	58	91.337	4.979,049	57.257,388	11,500	11,030	93	108					
44	59	90.673	4.619,444	52.278,339	11,317	10,848	94	109					
45	60	89.970	4.283,766	47.658,894	11,125	10,656	95	110					
46	61	89.199	3.969,232	43.375,128	10,928	10,458	96	111					
47	62	88.396	3.676,167	39.405,896	10,719	10,250	97	112					
48	63	87.511	3.401,254	35.729,729	10,505	10,035	98						
49	64	86.560	3.144,232	32.328,474	10,282	9,812	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -16 Jahre

Zinsfuß 7,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	16	99.423	99.423,027	1.475.167,507	14,837	14,368	50	66	84.843	2.880,235	28.416,096	9,866	9,396
1	17	98.948	92.475,205	1.375.744,480	14,877	14,407	51	67	83.658	2.654,212	25.535,861	9,621	9,151
2	18	98.887	86.371,503	1.283.269,275	14,858	14,388	52	68	82.379	2.442,636	22.881,649	9,368	8,898
3	19	98.838	80.681,569	1.196.897,772	14,835	14,365	53	69	80.959	2.243,492	20.439,012	9,110	8,641
4	20	98.793	75.368,682	1.116.216,203	14,810	14,341	54	70	79.424	2.056,960	18.195,520	8,846	8,376
5	21	98.749	70.406,329	1.040.847,521	14,783	14,314	55	71	77.763	1.882,201	16.138,560	8,574	8,105
6	22	98.711	65.775,200	970.441,192	14,754	14,284	56	72	75.930	1.717,594	14.256,358	8,300	7,831
7	23	98.673	61.448,344	904.665,992	14,722	14,253	57	73	73.977	1.563,943	12.538,764	8,017	7,548
8	24	98.635	57.406,286	843.217,649	14,689	14,219	58	74	71.843	1.419,463	10.974,821	7,732	7,262
9	25	98.596	53.629,781	785.811,363	14,653	14,183	59	75	69.538	1.284,050	9.555,359	7,442	6,972
10	26	98.563	50.104,268	732.181,582	14,613	14,144	60	76	67.023	1.156,646	8.271,308	7,151	6,682
11	27	98.526	46.808,911	682.077,313	14,572	14,102	61	77	64.351	1.037,867	7.114,663	6,855	6,386
12	28	98.483	43.727,578	635.268,403	14,528	14,058	62	78	61.509	927,142	6.076,796	6,554	6,085
13	29	98.441	40.849,430	591.540,825	14,481	14,011	63	79	58.432	823,135	5.149,653	6,256	5,787
14	30	98.399	38.160,914	550.691,395	14,431	13,961	64	80	55.165	726,275	4.326,518	5,957	5,488
15	31	98.349	35.646,151	512.530,481	14,378	13,909	65	81	51.649	635,506	3.600,243	5,665	5,196
16	32	98.291	33.294,404	476.884,330	14,323	13,854	66	82	47.916	551,001	2.964,737	5,381	4,911
17	33	98.218	31.093,287	443.589,926	14,266	13,797	67	83	43.962	472,459	2.413,735	5,109	4,639
18	34	98.129	29.032,813	412.496,638	14,208	13,738	68	84	39.938	401,130	1.941,276	4,840	4,370
19	35	98.009	27.100,178	383.463,826	14,150	13,680	69	85	35.860	336,611	1.540,146	4,575	4,106
20	36	97.879	25.293,914	356.363,647	14,089	13,619	70	86	31.903	279,878	1.203,535	4,300	3,831
21	37	97.750	23.607,844	331.069,733	14,024	13,554	71	87	27.869	228,491	923,657	4,042	3,573
22	38	97.613	22.032,586	307.461,889	13,955	13,485	72	88	23.809	182,439	695,167	3,810	3,341
23	39	97.471	20.561,284	285.429,303	13,882	13,412	73	89	19.950	142,865	512,728	3,589	3,119
24	40	97.321	19.186,544	264.868,019	13,805	13,335	74	90	16.334	109,317	369,863	3,383	2,914
25	41	97.166	17.902,750	245.681,475	13,723	13,254	75	91	13.084	81,837	260,546	3,184	2,714
26	42	96.999	16.702,777	227.778,725	13,637	13,168	76	92	10.140	59,276	178,709	3,015	2,545
27	43	96.821	15.581,364	211.075,948	13,547	13,077	77	93	7.656	41,824	119,433	2,856	2,386
28	44	96.626	14.532,720	195.494,584	13,452	12,983	78	94	5.616	28,672	77,609	2,707	2,237
29	45	96.420	13.553,106	180.961,863	13,352	12,883	79	95	3.992	19,050	48,936	2,569	2,099
30	46	96.200	12.637,471	167.408,757	13,247	12,778	80	96	2.747	12,251	29,886	2,439	1,970
31	47	95.957	11.780,895	154.771,286	13,137	12,668	81	97	1.824	7,601	17,635	2,320	1,851
32	48	95.694	10.980,094	142.990,391	13,023	12,553	82	98	1.166	4,543	10,034	2,208	1,739
33	49	95.413	10.231,627	132.010,297	12,902	12,433	83	99	714	2,601	5,490	2,111	1,641
34	50	95.100	9.530,886	121.778,670	12,777	12,308	84	100	420	1,430	2,889	2,020	1,551
35	51	94.769	8.876,379	112.247,784	12,646	12,176	85	101	237	0,754	1,459	1,936	1,466
36	52	94.407	8.263,985	103.371,405	12,509	12,039	86	102	128	0,382	0,705	1,849	1,380
37	53	94.016	7.691,309	95.107,420	12,366	11,896	87	103	66	0,183	0,324	1,771	1,301
38	54	93.606	7.156,785	87.416,111	12,214	11,745	88	104	32	0,083	0,141	1,702	1,233
39	55	93.151	6.656,136	80.259,326	12,058	11,588	89	105	15	0,035	0,058	1,640	1,171
40	56	92.656	6.187,579	73.603,190	11,895	11,426	90	106					
41	57	92.125	5.749,649	67.415,611	11,725	11,256	91	107					
42	58	91.539	5.339,359	61.665,962	11,549	11,080	92	108					
43	59	90.898	4.955,072	56.326,604	11,367	10,898	93	109					
44	60	90.212	4.595,960	51.371,532	11,178	10,708	94	110					
45	61	89.474	4.260,187	46.775,572	10,980	10,510	95	111					
46	62	88.697	3.946,896	42.515,384	10,772	10,302	96	112					
47	63	87.840	3.653,034	38.568,489	10,558	10,088	97						
48	64	86.915	3.378,119	34.915,455	10,336	9,866	98						
49	65	85.927	3.121,239	31.537,335	10,104	9,635	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -17 Jahre

Zinsfuß 7,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	17	99.402	99.401,972	1.473.365,644	14,822	14,353	50	67	84.075	2.854,150	27.604,022	9,672	9,202
1	18	98.927	92.454,859	1.373.963,673	14,861	14,391	51	68	82.808	2.627,232	24.749,871	9,421	8,951
2	19	98.858	86.346,663	1.281.508,814	14,841	14,372	52	69	81.437	2.414,699	22.122,639	9,162	8,692
3	20	98.811	80.659,204	1.195.162,150	14,817	14,348	53	70	79.926	2.214,869	19.707,941	8,898	8,429
4	21	98.762	75.344,876	1.114.502,947	14,792	14,323	54	71	78.295	2.027,724	17.493,071	8,627	8,157
5	22	98.724	70.389,103	1.039.158,070	14,763	14,294	55	72	76.502	1.851,687	15.465,347	8,352	7,883
6	23	98.684	65.757,392	968.768,968	14,732	14,263	56	73	74.561	1.686,628	13.613,661	8,072	7,602
7	24	98.647	61.432,311	903.011,576	14,699	14,230	57	74	72.470	1.532,082	11.927,033	7,785	7,315
8	25	98.608	57.390,690	841.579,265	14,664	14,195	58	75	70.208	1.387,153	10.394,952	7,494	7,024
9	26	98.572	53.616,585	784.188,575	14,626	14,156	59	76	67.735	1.250,758	9.007,798	7,202	6,732
10	27	98.535	50.090,241	730.571,990	14,585	14,116	60	77	65.083	1.123,163	7.757,040	6,906	6,437
11	28	98.497	46.795,269	680.481,749	14,542	14,072	61	78	62.257	1.004,103	6.633,878	6,607	6,137
12	29	98.454	43.714,599	633.686,480	14,496	14,026	62	79	59.230	892,780	5.629,775	6,306	5,836
13	30	98.412	40.837,473	589.971,881	14,447	13,977	63	80	55.974	788,509	4.736,995	6,008	5,538
14	31	98.367	38.148,419	549.134,408	14,395	13,925	64	81	52.478	690,895	3.948,485	5,715	5,246
15	32	98.314	35.633,418	510.985,989	14,340	13,871	65	82	48.770	600,081	3.257,590	5,429	4,959
16	33	98.256	33.282,565	475.352,571	14,282	13,813	66	83	44.820	515,393	2.657,510	5,156	4,687
17	34	98.179	31.080,863	442.070,006	14,223	13,754	67	84	40.812	438,604	2.142,116	4,884	4,414
18	35	98.083	29.019,202	410.989,143	14,163	13,693	68	85	36.728	368,894	1.703,512	4,618	4,148
19	36	97.958	27.086,304	381.969,941	14,102	13,632	69	86	32.746	307,385	1.334,618	4,342	3,872
20	37	97.824	25.279,612	354.883,637	14,038	13,569	70	87	28.687	251,662	1.027,233	4,082	3,612
21	38	97.690	23.593,367	329.604,025	13,970	13,501	71	88	24.584	201,557	775,571	3,848	3,378
22	39	97.545	22.017,174	306.010,658	13,899	13,429	72	89	20.678	158,443	574,014	3,623	3,153
23	40	97.393	20.544,830	283.993,484	13,823	13,354	73	90	16.993	121,689	415,571	3,415	2,946
24	41	97.237	19.169,852	263.448,654	13,743	13,273	74	91	13.664	91,448	293,882	3,214	2,744
25	42	97.070	17.885,053	244.278,802	13,658	13,189	75	92	10.632	66,500	202,435	3,044	2,575
26	43	96.890	16.683,992	226.393,749	13,570	13,100	76	93	8.058	47,102	135,934	2,886	2,416
27	44	96.695	15.561,139	209.709,757	13,477	13,007	77	94	5.941	32,456	88,833	2,737	2,268
28	45	96.491	14.512,491	194.148,618	13,378	12,909	78	95	4.250	21,701	56,377	2,598	2,128
29	46	96.267	13.531,611	179.636,127	13,275	12,806	79	96	2.943	14,044	34,676	2,469	2,000
30	47	96.027	12.614,774	166.104,516	13,167	12,698	80	97	1.970	8,786	20,631	2,348	1,879
31	48	95.770	11.757,986	153.489,742	13,054	12,585	81	98	1.271	5,296	11,845	2,237	1,767
32	49	95.492	10.956,817	141.731,756	12,935	12,466	82	99	788	3,071	6,549	2,132	1,663
33	50	95.184	10.207,002	130.774,939	12,812	12,343	83	100	468	1,704	3,478	2,041	1,572
34	51	94.860	9.506,805	120.567,937	12,682	12,213	84	101	266	0,907	1,774	1,957	1,487
35	52	94.506	8.851,727	111.061,132	12,547	12,077	85	102	145	0,462	0,867	1,877	1,408
36	53	94.122	8.239,001	102.209,405	12,406	11,936	86	103	76	0,226	0,405	1,796	1,327
37	54	93.719	7.667,023	93.970,404	12,256	11,787	87	104	38	0,104	0,180	1,723	1,253
38	55	93.280	7.131,892	86.303,381	12,101	11,632	88	105	18	0,045	0,075	1,658	1,189
39	56	92.799	6.630,930	79.171,488	11,940	11,470	89						
40	57	92.284	6.162,738	72.540,559	11,771	11,301	90						
41	58	91.714	5.723,988	66.377,821	11,596	11,127	91						
42	59	91.099	5.313,646	60.653,833	11,415	10,945	92						
43	60	90.435	4.929,881	55.340,187	11,225	10,756	93						
44	61	89.715	4.570,663	50.410,306	11,029	10,560	94						
45	62	88.971	4.236,214	45.839,643	10,821	10,351	95						
46	63	88.139	3.922,059	41.603,429	10,608	10,138	96						
47	64	87.242	3.628,186	37.681,371	10,386	9,916	97						
48	65	86.280	3.353,416	34.053,184	10,155	9,685	98						
49	66	85.226	3.095,747	30.699,768	9,917	9,447	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -18 Jahre

Zinsfuß 7,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	18	99.380	99.380,101	1.471.443,310	14,806	14,337	50	68	83.220	2.825,138	26.747,548	9,468	8,998
1	19	98.898	92.428,270	1.372.063,209	14,845	14,375	51	69	81.861	2.597,183	23.922,410	9,211	8,741
2	20	98.831	86.322,727	1.279.634,939	14,824	14,354	52	70	80.398	2.383,891	21.325,227	8,946	8,476
3	21	98.780	80.633,727	1.193.312,212	14,799	14,330	53	71	78.790	2.183,388	18.941,336	8,675	8,206
4	22	98.738	75.326,441	1.112.678,485	14,771	14,302	54	72	77.025	1.994,850	16.757,948	8,401	7,931
5	23	98.698	70.370,046	1.037.352,043	14,741	14,272	55	73	75.123	1.818,302	14.763,098	8,119	7,650
6	24	98.658	65.740,235	966.981,998	14,709	14,240	56	74	73.042	1.652,267	12.944,796	7,835	7,365
7	25	98.620	61.415,621	901.241,763	14,674	14,205	57	75	70.820	1.497,209	11.292,529	7,542	7,073
8	26	98.584	57.376,568	839.826,141	14,637	14,168	58	76	68.387	1.351,188	9.795,320	7,249	6,780
9	27	98.544	53.601,574	782.449,573	14,598	14,128	59	77	65.775	1.214,550	8.444,132	6,952	6,483
10	28	98.506	50.075,643	728.847,999	14,555	14,085	60	78	62.966	1.086,623	7.229,581	6,653	6,184
11	29	98.468	46.781,379	678.772,356	14,509	14,040	61	79	59.950	966,889	6.142,958	6,353	5,884
12	30	98.425	43.701,803	631.990,977	14,461	13,992	62	80	56.738	855,225	5.176,069	6,052	5,583
13	31	98.380	40.824,102	588.289,173	14,410	13,941	63	81	53.247	750,097	4.320,845	5,760	5,291
14	32	98.332	38.134,792	547.465,071	14,356	13,887	64	82	49.552	652,382	3.570,747	5,473	5,004
15	33	98.279	35.620,747	509.330,279	14,299	13,829	65	83	45.619	561,301	2.918,365	5,199	4,730
16	34	98.216	33.269,266	473.709,532	14,239	13,769	66	84	41.608	478,461	2.357,064	4,926	4,457
17	35	98.133	31.066,292	440.440,265	14,177	13,708	67	85	37.532	403,357	1.878,603	4,657	4,188
18	36	98.033	29.004,345	409.373,973	14,114	13,645	68	86	33.539	336,865	1.475,246	4,379	3,910
19	37	97.903	27.070,988	380.369,628	14,051	13,581	69	87	29.445	276,396	1.138,381	4,119	3,649
20	38	97.764	25.264,110	353.298,640	13,984	13,515	70	88	25.305	221,997	861,985	3,883	3,413
21	39	97.621	23.576,863	328.034,530	13,913	13,444	71	89	21.350	175,047	639,988	3,656	3,187
22	40	97.467	21.999,555	304.457,668	13,839	13,370	72	90	17.613	134,958	464,941	3,445	2,976
23	41	97.309	20.526,956	282.458,113	13,760	13,291	73	91	14.215	101,797	329,983	3,242	2,772
24	42	97.140	19.150,903	261.931,156	13,677	13,208	74	92	11.103	74,310	228,186	3,071	2,601
25	43	96.961	17.864,939	242.780,254	13,590	13,120	75	93	8.448	52,842	153,876	2,912	2,442
26	44	96.764	16.662,336	224.915,315	13,498	13,029	76	94	6.253	36,551	101,034	2,764	2,295
27	45	96.560	15.539,478	208.252,979	13,402	12,932	77	95	4.496	24,565	64,483	2,625	2,156
28	46	96.338	14.489,474	192.713,501	13,300	12,831	78	96	3.133	15,998	39,918	2,495	2,026
29	47	96.094	13.507,308	178.224,027	13,195	12,725	79	97	2.111	10,072	23,920	2,375	1,905
30	48	95.840	12.590,243	164.716,719	13,083	12,613	80	98	1.373	6,122	13,847	2,262	1,792
31	49	95.567	11.733,059	152.126,476	12,966	12,496	81	99	859	3,580	7,726	2,158	1,688
32	50	95.262	10.930,447	140.393,417	12,844	12,375	82	100	517	2,012	4,145	2,060	1,591
33	51	94.943	10.181,213	129.462,970	12,716	12,246	83	101	297	1,080	2,133	1,975	1,506
34	52	94.597	9.480,403	119.281,757	12,582	12,112	84	102	163	0,555	1,053	1,896	1,427
35	53	94.220	8.824,966	109.801,355	12,442	11,973	85	103	86	0,273	0,498	1,822	1,353
36	54	93.825	8.212,986	100.976,388	12,295	11,825	86	104	43	0,129	0,225	1,746	1,277
37	55	93.393	7.640,356	92.763,402	12,141	11,672	87	105	21	0,057	0,096	1,677	1,208
38	56	92.927	7.104,885	85.123,047	11,981	11,511	88	106					
39	57	92.426	6.604,308	78.018,162	11,813	11,344	89	107					
40	58	91.872	6.135,233	71.413,853	11,640	11,170	90	108					
41	59	91.272	5.696,423	65.278,620	11,460	10,990	91	109					
42	60	90.635	5.286,633	59.582,197	11,270	10,801	92	110					
43	61	89.938	4.902,746	54.295,564	11,075	10,605	93	111					
44	62	89.210	4.544,942	49.392,818	10,868	10,398	94	112					
45	63	88.411	4.209,556	44.847,876	10,654	10,184	95						
46	64	87.539	3.895,381	40.638,321	10,432	9,963	96						
47	65	86.604	3.601,654	36.742,939	10,202	9,732	97						
48	66	85.575	3.326,027	33.141,285	9,964	9,495	98						
49	67	84.454	3.067,710	29.815,258	9,719	9,250	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -19 Jahre

Zinsfuß 7,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	19	99.352	99.351,520	1.469.392,918	14,790	14,320	50	69	82.268	2.792,825	25.846,817	9,255	8,785
1	20	98.871	92.402,648	1.370.041,397	14,827	14,357	51	70	80.816	2.564,048	23.053,991	8,991	8,522
2	21	98.800	86.295,462	1.277.638,749	14,805	14,336	52	71	79.255	2.350,008	20.489,944	8,719	8,250
3	22	98.756	80.613,998	1.191.343,287	14,778	14,309	53	72	77.513	2.147,991	18.139,936	8,445	7,976
4	23	98.711	75.306,047	1.110.729,289	14,750	14,280	54	73	75.637	1.958,884	15.991,945	8,164	7,694
5	24	98.672	70.351,686	1.035.423,241	14,718	14,248	55	74	73.593	1.781,259	14.033,061	7,878	7,409
6	25	98.632	65.722,375	965.071,556	14,684	14,215	56	75	71.379	1.614,659	12.251,802	7,588	7,118
7	26	98.596	61.400,509	899.349,181	14,647	14,178	57	76	68.984	1.458,390	10.637,143	7,294	6,824
8	27	98.556	57.360,505	837.948,672	14,608	14,139	58	77	66.408	1.312,073	9.178,753	6,996	6,526
9	28	98.516	53.585,953	780.588,167	14,567	14,098	59	78	63.635	1.175,038	7.866,680	6,695	6,225
10	29	98.477	50.060,780	727.002,214	14,522	14,053	60	79	60.632	1.046,351	6.691,642	6,395	5,926
11	30	98.439	46.767,686	676.941,434	14,475	14,005	61	80	57.428	926,215	5.645,291	6,095	5,625
12	31	98.393	43.687,494	630.173,748	14,425	13,955	62	81	53.974	813,563	4.719,076	5,801	5,331
13	32	98.345	40.809,519	586.486,254	14,371	13,902	63	82	50.279	708,284	3.905,513	5,514	5,045
14	33	98.297	38.121,233	545.676,735	14,314	13,845	64	83	46.350	610,222	3.197,229	5,239	4,770
15	34	98.239	35.606,514	507.555,502	14,255	13,785	65	84	42.350	521,079	2.587,006	4,965	4,495
16	35	98.170	33.253,669	471.948,988	14,192	13,723	66	85	38.264	440,011	2.065,927	4,695	4,226
17	36	98.082	31.050,387	438.695,319	14,128	13,659	67	86	34.273	368,336	1.625,916	4,414	3,945
18	37	97.977	28.987,944	407.644,931	14,063	13,593	68	87	30.158	302,904	1.257,580	4,152	3,682
19	38	97.843	27.054,387	378.656,987	13,996	13,527	69	88	25.974	243,815	954,676	3,916	3,446
20	39	97.696	25.246,437	351.602,600	13,927	13,457	70	89	21.977	192,798	710,860	3,687	3,218
21	40	97.543	23.557,995	326.356,162	13,853	13,384	71	90	18.186	149,100	518,062	3,475	3,005
22	41	97.382	21.980,416	302.798,167	13,776	13,306	72	91	14.734	112,898	368,962	3,268	2,799
23	42	97.212	20.506,666	280.817,751	13,694	13,224	73	92	11.551	82,720	256,064	3,096	2,626
24	43	97.031	19.129,364	260.311,086	13,608	13,138	74	93	8.823	59,048	173,344	2,936	2,466
25	44	96.835	17.841,750	241.181,721	13,518	13,048	75	94	6.556	41,006	114,296	2,787	2,318
26	45	96.629	16.639,141	223.339,972	13,423	12,953	76	95	4.732	27,664	73,290	2,649	2,180
27	46	96.407	15.514,832	206.700,830	13,323	12,853	77	96	3.315	18,110	45,626	2,519	2,050
28	47	96.165	14.463,451	191.185,998	13,219	12,749	78	97	2.247	11,474	27,517	2,398	1,929
29	48	95.908	13.481,041	176.722,547	13,109	12,639	79	98	1.471	7,018	16,043	2,286	1,817
30	49	95.637	12.563,552	163.241,506	12,993	12,524	80	99	928	4,138	9,025	2,181	1,711
31	50	95.337	11.704,821	150.677,954	12,873	12,404	81	100	563	2,345	4,887	2,084	1,614
32	51	95.021	10.902,830	138.973,132	12,747	12,277	82	101	327	1,275	2,541	1,993	1,523
33	52	94.680	10.152,937	128.070,302	12,614	12,145	83	102	182	0,662	1,266	1,913	1,443
34	53	94.311	9.451,741	117.917,365	12,476	12,006	84	103	97	0,329	0,604	1,839	1,370
35	54	93.923	8.797,101	108.465,624	12,330	11,860	85	104	49	0,156	0,276	1,770	1,301
36	55	93.498	8.184,419	99.668,523	12,178	11,708	86	105	24	0,071	0,120	1,699	1,229
37	56	93.039	7.611,423	91.484,103	12,019	11,550	87	106					
38	57	92.554	7.076,361	83.872,681	11,853	11,383	88	107					
39	58	92.014	6.574,833	76.796,320	11,680	11,211	89	108					
40	59	91.429	6.105,688	70.221,487	11,501	11,031	90	109					
41	60	90.808	5.667,464	64.115,799	11,313	10,843	91	110					
42	61	90.137	5.257,534	58.448,336	11,117	10,648	92	111					
43	62	89.432	4.875,157	53.190,802	10,911	10,441	93	112					
44	63	88.649	4.516,341	48.315,645	10,698	10,228	94						
45	64	87.810	4.180,923	43.799,304	10,476	10,006	95						
46	65	86.899	3.866,895	39.618,381	10,246	9,776	96						
47	66	85.897	3.572,238	35.751,486	10,008	9,539	97						
48	67	84.800	3.295,905	32.179,248	9,763	9,294	98						
49	68	83.595	3.036,526	28.883,343	9,512	9,042	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -20 Jahre

Zinsfuß 7,00%

Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	20	99.324	99.323,980	1.467.212,717	14,772	14,302	50	70	81.219	2.757,194	24.902,417	9,032	8,562
1	21	98.840	92.373,462	1.367.888,738	14,808	14,339	51	71	79.668	2.527,603	22.145,223	8,761	8,292
2	22	98.776	86.274,348	1.275.515,275	14,784	14,315	52	72	77.970	2.311,909	19.617,620	8,485	8,016
3	23	98.729	80.592,173	1.189.240,927	14,756	14,287	53	73	76.115	2.109,264	17.305,711	8,205	7,735
4	24	98.685	75.286,400	1.108.648,755	14,726	14,256	54	74	74.096	1.918,977	15.196,447	7,919	7,450
5	25	98.645	70.332,573	1.033.362,355	14,693	14,223	55	75	71.918	1.740,715	13.277,469	7,628	7,158
6	26	98.607	65.706,203	963.029,782	14,657	14,187	56	76	69.529	1.572,794	11.536,755	7,335	6,866
7	27	98.568	61.383,320	897.323,580	14,618	14,149	57	77	66.987	1.416,172	9.963,960	7,036	6,566
8	28	98.527	57.343,788	835.940,260	14,578	14,108	58	78	64.247	1.269,388	8.547,788	6,734	6,264
9	29	98.486	53.570,048	778.596,472	14,534	14,065	59	79	61.276	1.131,489	7.278,400	6,433	5,963
10	30	98.448	50.046,127	725.026,424	14,487	14,018	60	80	58.082	1.002,335	6.146,911	6,133	5,663
11	31	98.407	46.752,373	674.980,298	14,437	13,968	61	81	54.630	881,095	5.144,577	5,839	5,369
12	32	98.357	43.671,889	628.227,925	14,385	13,916	62	82	50.965	768,212	4.263,481	5,550	5,080
13	33	98.310	40.795,008	584.556,036	14,329	13,860	63	83	47.030	662,512	3.495,270	5,276	4,806
14	34	98.258	38.106,000	543.761,027	14,270	13,800	64	84	43.029	566,495	2.832,758	5,000	4,531
15	35	98.193	35.589,821	505.655,027	14,208	13,738	65	85	38.946	479,205	2.266,263	4,729	4,260
16	36	98.120	33.236,645	470.065,206	14,143	13,673	66	86	34.942	401,808	1.787,058	4,448	3,978
17	37	98.027	31.032,830	436.828,561	14,076	13,607	67	87	30.818	331,202	1.385,250	4,182	3,713
18	38	97.917	28.970,168	405.795,731	14,007	13,538	68	88	26.603	267,199	1.054,048	3,945	3,475
19	39	97.774	27.035,462	376.825,563	13,938	13,469	69	89	22.558	211,747	786,850	3,716	3,246
20	40	97.618	25.226,234	349.790,101	13,866	13,397	70	90	18.719	164,221	575,103	3,502	3,032
21	41	97.458	23.537,500	324.563,867	13,789	13,320	71	91	15.213	124,728	410,882	3,294	2,825
22	42	97.286	21.958,688	301.026,367	13,709	13,239	72	92	11.973	91,741	286,154	3,119	2,650
23	43	97.103	20.483,602	279.067,679	13,624	13,154	73	93	9.179	65,730	194,413	2,958	2,488
24	44	96.905	19.104,534	258.584,076	13,535	13,066	74	94	6.847	45,822	128,683	2,808	2,339
25	45	96.700	17.816,914	239.479,542	13,441	12,972	75	95	4.962	31,036	82,861	2,670	2,200
26	46	96.476	16.612,752	221.662,628	13,343	12,873	76	96	3.489	20,395	51,826	2,541	2,072
27	47	96.234	15.486,968	205.049,877	13,240	12,771	77	97	2.377	12,988	31,431	2,420	1,951
28	48	95.978	14.435,325	189.562,909	13,132	12,662	78	98	1.566	7,994	18,443	2,307	1,838
29	49	95.704	13.452,462	175.127,584	13,018	12,549	79	99	994	4,744	10,449	2,203	1,733
30	50	95.407	12.533,315	161.675,122	12,900	12,430	80	100	608	2,711	5,705	2,104	1,635
31	51	95.096	11.675,248	149.141,806	12,774	12,305	81	101	357	1,487	2,994	2,014	1,544
32	52	94.757	10.872,550	137.466,559	12,643	12,174	82	102	201	0,781	1,507	1,929	1,459
33	53	94.393	10.122,243	126.594,009	12,507	12,037	83	103	108	0,391	0,726	1,854	1,385
34	54	94.013	9.421,897	116.471,766	12,362	11,892	84	104	55	0,187	0,334	1,785	1,316
35	55	93.596	8.766,503	107.049,869	12,211	11,742	85	105	27	0,085	0,147	1,720	1,251
36	56	93.144	8.153,426	98.283,366	12,054	11,585	86	106					
37	57	92.666	7.580,865	90.129,940	11,889	11,420	87	107					
38	58	92.141	7.044,778	82.549,075	11,718	11,248	88	108					
39	59	91.570	6.543,171	75.504,297	11,539	11,070	89	109					
40	60	90.965	6.074,648	68.961,126	11,352	10,883	90	110					
41	61	90.308	5.636,269	62.886,478	11,157	10,688	91	111					
42	62	89.629	5.227,948	57.250,210	10,951	10,481	92	112					
43	63	88.869	4.844,478	52.022,262	10,738	10,269	93						
44	64	88.046	4.485,622	47.177,784	10,518	10,048	94						
45	65	87.167	4.150,349	42.692,162	10,286	9,817	95						
46	66	86.190	3.835,313	38.541,814	10,049	9,580	96						
47	67	85.119	3.539,886	34.706,501	9,804	9,335	97						
48	68	83.938	3.262,402	31.166,615	9,553	9,084	98						
49	69	82.639	3.001,796	27.904,213	9,296	8,826	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -21 Jahre

Zinsfuß 7,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	21	99.293	99.292,607	1.464.892,550	14,753	14,284	50	71	80.064	2.718,004	23.915,042	8,799	8,329
1	22	98.815	92.350,861	1.365.599,943	14,787	14,318	51	72	78.376	2.486,625	21.197,038	8,524	8,055
2	23	98.749	86.250,990	1.273.249,082	14,762	14,293	52	73	76.564	2.270,227	18.710,412	8,242	7,772
3	24	98.703	80.571,146	1.186.998,092	14,732	14,263	53	74	74.565	2.066,294	16.440,185	7,956	7,487
4	25	98.658	75.265,946	1.106.426,946	14,700	14,231	54	75	72.409	1.875,298	14.373,892	7,665	7,195
5	26	98.621	70.315,266	1.031.161,000	14,665	14,195	55	76	70.053	1.695,582	12.498,593	7,371	6,902
6	27	98.580	65.687,808	960.845,734	14,627	14,158	56	77	67.516	1.527,265	10.803,011	7,073	6,604
7	28	98.539	61.365,430	895.157,926	14,587	14,118	57	78	64.808	1.370,100	9.275,747	6,770	6,301
8	29	98.498	57.326,767	833.792,496	14,545	14,075	58	79	61.866	1.222,342	7.905,646	6,468	5,998
9	30	98.458	53.554,367	776.465,729	14,499	14,029	59	80	58.699	1.083,891	6.683,304	6,166	5,697
10	31	98.416	50.029,741	722.911,361	14,450	13,980	60	81	55.252	953,507	5.599,413	5,872	5,403
11	32	98.372	46.735,673	672.881,621	14,398	13,928	61	82	51.585	831,980	4.645,906	5,584	5,115
12	33	98.322	43.656,360	626.145,948	14,343	13,873	62	83	47.672	718,567	3.813,926	5,308	4,838
13	34	98.270	40.778,708	582.489,588	14,284	13,815	63	84	43.660	615,038	3.095,360	5,033	4,563
14	35	98.212	38.088,135	541.710,880	14,223	13,753	64	85	39.571	520,971	2.480,322	4,761	4,291
15	36	98.143	35.571,601	503.622,744	14,158	13,688	65	86	35.565	437,598	1.959,351	4,478	4,008
16	37	98.065	33.217,851	468.051,144	14,090	13,621	66	87	31.419	361,300	1.521,754	4,212	3,742
17	38	97.967	31.013,800	434.833,293	14,021	13,551	67	88	27.185	292,161	1.160,454	3,972	3,502
18	39	97.849	28.949,903	403.819,493	13,949	13,479	68	89	23.104	232,055	868,293	3,742	3,272
19	40	97.696	27.013,827	374.869,590	13,877	13,407	69	90	19.214	180,361	636,238	3,528	3,058
20	41	97.533	25.204,287	347.855,763	13,801	13,332	70	91	15.660	137,377	455,878	3,318	2,849
21	42	97.362	23.514,234	322.651,476	13,722	13,252	71	92	12.362	101,354	318,501	3,142	2,673
22	43	97.176	21.933,992	299.137,242	13,638	13,169	72	93	9.514	72,898	217,147	2,979	2,509
23	44	96.977	20.457,014	277.203,250	13,551	13,081	73	94	7.123	51,007	144,249	2,828	2,358
24	45	96.770	19.077,940	256.746,236	13,458	12,988	74	95	5.182	34,681	93,241	2,689	2,219
25	46	96.547	17.788,656	237.668,296	13,361	12,891	75	96	3.658	22,880	58,561	2,559	2,090
26	47	96.303	16.582,915	219.879,640	13,259	12,790	76	97	2.502	14,626	35,681	2,439	1,970
27	48	96.047	15.456,851	203.296,724	13,153	12,683	77	98	1.656	9,049	21,054	2,327	1,857
28	49	95.775	14.404,723	187.839,873	13,040	12,571	78	99	1.058	5,404	12,005	2,221	1,752
29	50	95.474	13.420,086	173.435,150	12,924	12,454	79	100	651	3,108	6,601	2,124	1,655
30	51	95.166	12.501,648	160.015,064	12,800	12,330	80	101	385	1,719	3,493	2,033	1,563
31	52	94.832	11.642,823	147.513,416	12,670	12,200	81	102	219	0,911	1,775	1,948	1,478
32	53	94.471	10.839,680	135.870,593	12,535	12,065	82	103	119	0,462	0,864	1,868	1,399
33	54	94.095	10.090,281	125.030,913	12,391	11,922	83	104	61	0,223	0,401	1,799	1,329
34	55	93.686	9.389,125	114.940,632	12,242	11,772	84	105	30	0,103	0,178	1,734	1,264
35	56	93.242	8.733,305	105.551,507	12,086	11,617	85	106					
36	57	92.770	8.120,692	96.818,201	11,922	11,453	86	107					
37	58	92.252	7.547,031	88.697,509	11,753	11,283	87	108					
38	59	91.697	7.010,853	81.150,478	11,575	11,105	88	109					
39	60	91.105	6.509,907	74.139,625	11,389	10,919	89	110					
40	61	90.464	6.041,211	67.629,718	11,195	10,725	90	111					
41	62	89.800	5.604,551	61.588,506	10,989	10,520	91	112					
42	63	89.065	5.195,049	55.983,955	10,776	10,307	92						
43	64	88.264	4.811,526	50.788,906	10,556	10,086	93						
44	65	87.402	4.452,819	45.977,380	10,325	9,856	94						
45	66	86.456	4.116,451	41.524,560	10,087	9,618	95						
46	67	85.409	3.800,578	37.408,109	9,843	9,373	96						
47	68	84.254	3.503,903	33.607,531	9,591	9,122	97						
48	69	82.978	3.225,088	30.103,629	9,334	8,865	98						
49	70	81.585	2.963,499	26.878,541	9,070	8,600	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -22 Jahre

Zinsfuß 7,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	22	99.268	99.268,313	1.462.426,830	14,732	14,263	50	72	78.766	2.673,939	22.885,724	8,559	8,089
1	23	98.789	92.325,858	1.363.158,516	14,765	14,295	51	73	76.963	2.441,794	20.211,785	8,277	7,808
2	24	98.723	86.228,486	1.270.832,658	14,738	14,268	52	74	75.004	2.223,977	17.769,991	7,990	7,521
3	25	98.676	80.549,256	1.184.604,172	14,707	14,237	53	75	72.867	2.019,261	15.546,014	7,699	7,229
4	26	98.634	75.247,426	1.104.054,915	14,672	14,203	54	76	70.532	1.826,676	13.526,753	7,405	6,936
5	27	98.593	70.295,581	1.028.807,490	14,635	14,166	55	77	68.025	1.646,498	11.700,077	7,106	6,637
6	28	98.551	65.668,664	958.511,909	14,596	14,127	56	78	65.319	1.477,579	10.053,579	6,804	6,335
7	29	98.510	61.347,216	892.843,245	14,554	14,084	57	79	62.406	1.319,322	8.576,000	6,500	6,031
8	30	98.469	57.309,987	831.496,029	14,509	14,039	58	80	59.264	1.170,923	7.256,678	6,197	5,728
9	31	98.425	53.536,833	774.186,042	14,461	13,991	59	81	55.839	1.031,090	6.085,755	5,902	5,433
10	32	98.381	50.011,870	720.649,209	14,410	13,940	60	82	52.172	900,355	5.054,665	5,614	5,145
11	33	98.337	46.719,055	670.637,340	14,355	13,885	61	83	48.251	778,214	4.154,310	5,338	4,869
12	34	98.283	43.638,916	623.918,285	14,297	13,828	62	84	44.256	667,076	3.376,097	5,061	4,592
13	35	98.224	40.759,590	580.279,369	14,237	13,767	63	85	40.151	565,612	2.709,021	4,790	4,320
14	36	98.161	38.068,636	539.519,779	14,172	13,703	64	86	36.135	475,738	2.143,409	4,505	4,036
15	37	98.088	35.551,486	501.451,143	14,105	13,635	65	87	31.979	393,482	1.667,671	4,238	3,769
16	38	98.004	33.197,481	465.899,656	14,034	13,565	66	88	27.716	318,710	1.274,190	3,998	3,528
17	39	97.898	30.992,105	432.702,175	13,962	13,492	67	89	23.610	253,734	955,479	3,766	3,296
18	40	97.770	28.926,736	401.710,070	13,887	13,418	68	90	19.679	197,659	701,745	3,550	3,081
19	41	97.611	26.990,325	372.783,334	13,812	13,342	69	91	16.073	150,879	504,087	3,341	2,871
20	42	97.436	25.179,373	345.793,009	13,733	13,264	70	92	12.725	111,632	353,208	3,164	2,695
21	43	97.253	23.487,788	320.613,636	13,650	13,181	71	93	9.823	80,537	241,576	3,000	2,530
22	44	97.050	21.905,521	297.125,848	13,564	13,094	72	94	7.383	56,569	161,039	2,847	2,377
23	45	96.842	20.428,538	275.220,327	13,472	13,003	73	95	5.391	38,605	104,469	2,706	2,237
24	46	96.617	19.047,683	254.791,789	13,377	12,907	74	96	3.820	25,567	65,864	2,576	2,107
25	47	96.373	17.756,708	235.744,106	13,276	12,807	75	97	2.623	16,409	40,297	2,456	1,986
26	48	96.116	16.550,668	217.987,398	13,171	12,701	76	98	1.743	10,191	23,888	2,344	1,875
27	49	95.843	15.424,084	201.436,731	13,060	12,590	77	99	1.120	6,117	13,697	2,239	1,769
28	50	95.544	14.370,055	186.012,647	12,944	12,475	78	100	693	3,540	7,579	2,141	1,671
29	51	95.233	13.386,179	171.642,592	12,822	12,353	79	101	413	1,970	4,039	2,050	1,581
30	52	94.901	12.466,928	158.256,414	12,694	12,225	80	102	236	1,053	2,069	1,965	1,495
31	53	94.545	11.607,624	145.789,486	12,560	12,090	81	103	129	0,539	1,016	1,886	1,416
32	54	94.172	10.805,453	134.181,862	12,418	11,948	82	104	68	0,263	0,477	1,812	1,342
33	55	93.768	10.055,185	123.376,409	12,270	11,800	83	105	34	0,122	0,214	1,746	1,277
34	56	93.331	9.353,570	113.321,224	12,115	11,646	84	106					
35	57	92.868	8.698,244	103.967,654	11,953	11,483	85	107					
36	58	92.356	8.084,449	95.269,410	11,784	11,315	86	108					
37	59	91.808	7.510,687	87.184,961	11,608	11,139	87	109					
38	60	91.231	6.975,212	79.674,274	11,422	10,953	88	110					
39	61	90.604	6.474,075	72.699,062	11,229	10,760	89	111					
40	62	89.955	6.007,215	66.224,988	11,024	10,555	90	112					
41	63	89.235	5.569,282	60.217,772	10,812	10,343	91						
42	64	88.459	5.159,713	54.648,490	10,591	10,122	92						
43	65	87.619	4.776,341	49.488,777	10,361	9,892	93						
44	66	86.688	4.416,451	44.712,436	10,124	9,655	94						
45	67	85.673	4.079,170	40.295,985	9,878	9,409	95						
46	68	84.541	3.761,945	36.216,815	9,627	9,158	96						
47	69	83.290	3.463,827	32.454,869	9,370	8,900	97						
48	70	81.919	3.183,942	28.991,043	9,105	8,636	98						
49	71	80.425	2.921,377	25.807,101	8,834	8,364	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -23 Jahre

Zinsfuß 7,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	23	99.241	99.241,437	1.459.797,878	14,710	14,240	50	73	77.346	2.625,731	21.817,019	8,309	7,839
1	24	98.763	92.301,770	1.360.556,441	14,740	14,271	51	74	75.395	2.392,049	19.191,289	8,023	7,553
2	25	98.696	86.205,060	1.268.254,671	14,712	14,243	52	75	73.297	2.173,356	16.799,240	7,730	7,260
3	26	98.652	80.529,436	1.182.049,611	14,678	14,209	53	76	70.978	1.966,907	14.625,884	7,436	6,966
4	27	98.606	75.226,359	1.101.520,175	14,643	14,173	54	77	68.490	1.773,797	12.658,977	7,137	6,667
5	28	98.564	70.275,094	1.026.293,816	14,604	14,134	55	78	65.812	1.592,933	10.885,180	6,833	6,364
6	29	98.522	65.649,172	956.018,722	14,563	14,093	56	79	62.899	1.422,817	9.292,247	6,531	6,061
7	30	98.481	61.329,259	890.369,549	14,518	14,048	57	80	59.781	1.263,823	7.869,431	6,227	5,757
8	31	98.437	57.291,223	829.040,290	14,471	14,001	58	81	56.377	1.113,882	6.605,608	5,930	5,461
9	32	98.390	53.517,709	771.749,067	14,420	13,951	59	82	52.727	973,613	5.491,726	5,641	5,171
10	33	98.346	49.994,087	718.231,359	14,366	13,897	60	83	48.801	842,170	4.518,112	5,365	4,895
11	34	98.297	46.700,387	668.237,272	14,309	13,840	61	84	44.794	722,448	3.675,942	5,088	4,619
12	35	98.237	43.618,457	621.536,885	14,249	13,780	62	85	40.699	613,468	2.953,494	4,814	4,345
13	36	98.174	40.738,723	577.918,428	14,186	13,716	63	86	36.665	516,503	2.340,026	4,531	4,061
14	37	98.106	38.047,110	537.179,705	14,119	13,649	64	87	32.492	427,776	1.823,522	4,263	3,793
15	38	98.028	35.529,686	499.132,595	14,048	13,579	65	88	28.210	347,099	1.395,746	4,021	3,552
16	39	97.936	33.174,259	463.602,910	13,975	13,505	66	89	24.070	276,791	1.048,647	3,789	3,319
17	40	97.820	30.967,303	430.428,651	13,899	13,430	67	90	20.110	216,124	771,856	3,571	3,102
18	41	97.685	28.901,570	399.461,347	13,821	13,352	68	91	16.463	165,349	555,731	3,361	2,891
19	42	97.515	26.963,646	370.559,777	13,743	13,273	69	92	13.061	122,604	390,383	3,184	2,715
20	43	97.327	25.151,055	343.596,131	13,661	13,192	70	93	10.111	88,704	267,779	3,019	2,549
21	44	97.126	23.457,300	318.445,077	13,576	13,106	71	94	7.623	62,497	179,074	2,865	2,396
22	45	96.915	21.875,029	294.987,777	13,485	13,016	72	95	5.588	42,815	116,577	2,723	2,253
23	46	96.689	20.396,138	273.112,748	13,390	12,921	73	96	3.974	28,461	73,762	2,592	2,122
24	47	96.443	19.013,473	252.716,610	13,291	12,822	74	97	2.740	18,336	45,301	2,471	2,001
25	48	96.186	17.722,177	233.703,137	13,187	12,718	75	98	1.828	11,433	26,965	2,359	1,889
26	49	95.912	16.515,581	215.980,959	13,077	12,608	76	99	1.179	6,889	15,532	2,255	1,785
27	50	95.613	15.386,962	199.465,378	12,963	12,494	77	100	734	4,007	8,643	2,157	1,687
28	51	95.303	14.333,747	184.078,416	12,842	12,373	78	101	440	2,244	4,635	2,065	1,596
29	52	94.968	13.349,002	169.744,669	12,716	12,246	79	102	253	1,207	2,391	1,981	1,511
30	53	94.615	12.429,238	156.395,667	12,583	12,113	80	103	140	0,623	1,184	1,901	1,432
31	54	94.247	11.570,972	143.966,429	12,442	11,973	81	104	74	0,307	0,561	1,828	1,358
32	55	93.845	10.767,869	132.395,457	12,295	11,826	82	105	37	0,145	0,254	1,758	1,288
33	56	93.413	10.017,107	121.627,587	12,142	11,672	83	106					
34	57	92.956	9.316,018	111.610,480	11,980	11,511	84	107					
35	58	92.453	8.659,423	102.294,462	11,813	11,344	85	108					
36	59	91.912	8.045,517	93.635,040	11,638	11,169	86	109					
37	60	91.341	7.472,504	85.589,522	11,454	10,984	87	110					
38	61	90.729	6.936,818	78.117,018	11,261	10,792	88	111					
39	62	90.094	6.437,643	71.180,199	11,057	10,587	89	112					
40	63	89.389	5.969,413	64.742,557	10,846	10,376	90						
41	64	88.628	5.531,401	58.773,144	10,625	10,156	91						
42	65	87.813	5.121,981	53.241,743	10,395	9,925	92						
43	66	86.903	4.737,330	48.119,762	10,158	9,688	93						
44	67	85.903	4.376,453	43.382,431	9,913	9,443	94						
45	68	84.802	4.037,705	39.005,978	9,660	9,191	95						
46	69	83.574	3.718,918	34.968,273	9,403	8,933	96						
47	70	82.228	3.419,635	31.249,355	9,138	8,669	97						
48	71	80.755	3.138,687	27.829,720	8,867	8,397	98						
49	72	79.121	2.874,015	24.691,034	8,591	8,122	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -24 Jahre

Zinsfuß 7,00%

Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	24	99.216	99.215,545	1.456.997,151	14,685	14,216	50	74	75.770	2.572,238	20.710,910	8,052	7,582
1	25	98.736	92.276,693	1.357.781,607	14,714	14,245	51	75	73.679	2.337,601	18.138,672	7,760	7,290
2	26	98.672	86.183,848	1.265.504,913	14,684	14,214	52	76	71.397	2.117,006	15.801,071	7,464	6,994
3	27	98.624	80.506,891	1.179.321,065	14,649	14,179	53	77	68.923	1.909,968	13.684,065	7,165	6,695
4	28	98.578	75.204,436	1.098.814,174	14,611	14,142	54	78	66.262	1.716,091	11.774,097	6,861	6,391
5	29	98.535	70.254,235	1.023.609,738	14,570	14,101	55	79	63.373	1.533,896	10.058,006	6,557	6,088
6	30	98.493	65.629,956	953.355,503	14,526	14,057	56	80	60.253	1.362,964	8.524,110	6,254	5,785
7	31	98.449	61.309,179	887.725,547	14,479	14,010	57	81	56.869	1.202,257	7.161,146	5,956	5,487
8	32	98.402	57.270,758	826.416,368	14,430	13,960	58	82	53.234	1.051,790	5.958,889	5,665	5,196
9	33	98.355	53.498,679	769.145,610	14,377	13,907	59	83	49.319	910,694	4.907,099	5,388	4,919
10	34	98.307	49.974,110	715.646,931	14,320	13,851	60	84	45.304	781,822	3.996,405	5,112	4,642
11	35	98.251	46.678,493	665.672,821	14,261	13,791	61	85	41.194	664,391	3.214,583	4,838	4,369
12	36	98.187	43.596,127	618.994,328	14,198	13,729	62	86	37.166	560,204	2.550,192	4,552	4,083
13	37	98.118	40.715,687	575.398,201	14,132	13,663	63	87	32.969	464,432	1.989,988	4,285	3,815
14	38	98.046	38.023,779	534.682,515	14,062	13,592	64	88	28.662	377,351	1.525,555	4,043	3,573
15	39	97.959	35.504,832	496.658,736	13,988	13,519	65	89	24.499	301,446	1.148,204	3,809	3,339
16	40	97.857	33.147,711	461.153,904	13,912	13,443	66	90	20.503	235,764	846,758	3,592	3,122
17	41	97.735	30.940,362	428.006,193	13,833	13,364	67	91	16.823	180,796	610,994	3,379	2,910
18	42	97.589	28.873,001	397.065,831	13,752	13,283	68	92	13.378	134,363	430,198	3,202	2,732
19	43	97.405	26.933,321	368.192,830	13,671	13,201	69	93	10.379	97,422	295,835	3,037	2,567
20	44	97.200	25.118,408	341.259,509	13,586	13,117	70	94	7.846	68,835	198,413	2,882	2,413
21	45	96.991	23.424,648	316.141,101	13,496	13,027	71	95	5.769	47,302	129,578	2,739	2,270
22	46	96.761	21.840,335	292.716,453	13,403	12,933	72	96	4.119	31,564	82,276	2,607	2,137
23	47	96.515	20.359,507	270.876,119	13,305	12,835	73	97	2.850	20,411	50,712	2,485	2,015
24	48	96.256	18.976,499	250.516,612	13,201	12,732	74	98	1.909	12,775	30,301	2,372	1,902
25	49	95.982	17.684,607	231.540,113	13,093	12,623	75	99	1.236	7,729	17,525	2,267	1,798
26	50	95.681	16.475,833	213.855,506	12,980	12,510	76	100	772	4,513	9,796	2,171	1,701
27	51	95.371	15.348,085	197.379,673	12,860	12,391	77	101	465	2,540	5,283	2,080	1,610
28	52	95.038	14.293,939	182.031,588	12,735	12,265	78	102	269	1,375	2,743	1,995	1,525
29	53	94.681	13.308,645	167.737,649	12,604	12,134	79	103	150	0,714	1,368	1,916	1,446
30	54	94.316	12.389,992	154.429,004	12,464	11,994	80	104	80	0,355	0,654	1,841	1,372
31	55	93.919	11.530,726	142.039,012	12,318	11,849	81	105	40	0,169	0,299	1,772	1,303
32	56	93.490	10.727,093	130.508,286	12,166	11,697	82	106					
33	57	93.038	9.976,891	119.781,193	12,006	11,536	83	107					
34	58	92.541	9.274,440	109.804,302	11,839	11,370	84	108					
35	59	92.008	8.617,722	100.529,862	11,665	11,196	85	109					
36	60	91.444	8.004,616	91.912,140	11,482	11,013	86	110					
37	61	90.838	7.431,374	83.907,524	11,291	10,821	87	111					
38	62	90.218	6.897,783	76.476,151	11,087	10,618	88	112					
39	63	89.527	6.397,131	69.578,368	10,876	10,407	89						
40	64	88.781	5.928,810	63.181,237	10,657	10,187	90						
41	65	87.980	5.490,951	57.252,427	10,427	9,957	91						
42	66	87.095	5.080,148	51.761,476	10,189	9,719	92						
43	67	86.116	4.694,426	46.681,328	9,944	9,474	93						
44	68	85.030	4.331,967	41.986,902	9,692	9,223	94						
45	69	83.832	3.991,524	37.654,935	9,434	8,964	95						
46	70	82.508	3.671,471	33.663,411	9,169	8,699	96						
47	71	81.059	3.371,029	29.991,940	8,897	8,427	97						
48	72	79.446	3.087,801	26.620,911	8,621	8,152	98						
49	73	77.695	2.822,199	23.533,109	8,339	7,869	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -25 Jahre

Zinsfuß 7,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	25	99.189	99.188,590	1.454.011,694	14,659	14,190	50	75	74.046	2.513,690	19.570,775	7,786	7,316
1	26	98.712	92.253,987	1.354.823,104	14,686	14,216	51	76	71.769	2.276,993	17.057,086	7,491	7,022
2	27	98.644	86.159,720	1.262.569,117	14,654	14,184	52	77	69.330	2.055,722	14.780,092	7,190	6,720
3	28	98.596	80.483,429	1.176.409,397	14,617	14,147	53	78	66.681	1.847,832	12.724,370	6,886	6,417
4	29	98.548	75.182,114	1.095.925,968	14,577	14,107	54	79	63.806	1.652,489	10.876,538	6,582	6,112
5	30	98.506	70.233,671	1.020.743,855	14,534	14,064	55	80	60.707	1.469,371	9.224,049	6,278	5,808
6	31	98.461	65.608,468	950.510,183	14,488	14,018	56	81	57.317	1.296,568	7.754,679	5,981	5,511
7	32	98.414	61.287,279	884.901,715	14,439	13,969	57	82	53.699	1.135,238	6.458,110	5,689	5,219
8	33	98.367	57.250,394	823.614,437	14,386	13,917	58	83	49.794	983,819	5.322,872	5,410	4,941
9	34	98.316	53.477,302	766.364,043	14,331	13,861	59	84	45.785	845,436	4.339,053	5,132	4,663
10	35	98.261	49.950,681	712.886,741	14,272	13,802	60	85	41.663	718,993	3.493,617	4,859	4,390
11	36	98.201	46.654,596	662.936,059	14,209	13,740	61	86	37.617	606,706	2.774,624	4,573	4,104
12	37	98.131	43.571,475	616.281,464	14,144	13,675	62	87	33.419	503,728	2.167,918	4,304	3,834
13	38	98.058	40.690,719	572.709,989	14,075	13,605	63	88	29.082	409,686	1.664,190	4,062	3,593
14	39	97.977	37.997,180	532.019,270	14,002	13,532	64	89	24.892	327,719	1.254,504	3,828	3,358
15	40	97.881	35.476,419	494.022,090	13,925	13,456	65	90	20.868	256,764	926,785	3,609	3,140
16	41	97.772	33.118,873	458.545,671	13,845	13,376	66	91	17.151	197,226	670,021	3,397	2,928
17	42	97.638	30.909,778	425.426,798	13,764	13,294	67	92	13.670	146,915	472,795	3,218	2,749
18	43	97.479	28.840,529	394.517,020	13,679	13,210	68	93	10.630	106,766	325,880	3,052	2,583
19	44	97.279	26.898,361	365.676,491	13,595	13,125	69	94	8.054	75,601	219,114	2,898	2,429
20	45	97.065	25.083,443	338.778,130	13,506	13,037	70	95	5.939	52,099	143,514	2,755	2,285
21	46	96.837	23.387,496	313.694,687	13,413	12,943	71	96	4.253	34,872	91,415	2,621	2,152
22	47	96.588	21.801,110	290.307,191	13,316	12,847	72	97	2.954	22,637	56,543	2,498	2,028
23	48	96.327	20.319,915	268.506,082	13,214	12,744	73	98	1.986	14,221	33,906	2,384	1,915
24	49	96.052	18.936,270	248.186,167	13,106	12,637	74	99	1.290	8,637	19,685	2,279	1,810
25	50	95.751	17.642,046	229.249,897	12,995	12,525	75	100	809	5,063	11,048	2,182	1,713
26	51	95.439	16.434,204	211.607,851	12,876	12,407	76	101	489	2,861	5,985	2,092	1,623
27	52	95.106	15.305,460	195.173,647	12,752	12,282	77	102	285	1,557	3,124	2,007	1,538
28	53	94.751	14.250,725	179.868,187	12,622	12,152	78	103	159	0,813	1,568	1,928	1,459
29	54	94.382	13.266,622	165.617,462	12,484	12,014	79	104	85	0,407	0,755	1,854	1,385
30	55	93.988	12.346,897	152.350,839	12,339	11,870	80	105	44	0,195	0,348	1,785	1,315
31	56	93.563	11.487,060	140.003,943	12,188	11,718	81	106					
32	57	93.114	10.684,027	128.516,882	12,029	11,559	82	107					
33	58	92.623	9.932,364	117.832,856	11,864	11,394	83	108					
34	59	92.096	9.229,778	107.900,492	11,690	11,221	84	109					
35	60	91.540	8.573,911	98.670,714	11,508	11,039	85	110					
36	61	90.941	7.960,556	90.096,803	11,318	10,848	86	111					
37	62	90.327	7.389,555	82.136,247	11,115	10,646	87	112					
38	63	89.650	6.854,375	74.746,692	10,905	10,435	88						
39	64	88.918	6.353,619	67.892,316	10,686	10,216	89						
40	65	88.131	5.885,453	61.538,697	10,456	9,987	90						
41	66	87.261	5.446,104	55.653,244	10,219	9,749	91						
42	67	86.307	5.034,139	50.207,140	9,973	9,504	92						
43	68	85.241	4.646,708	45.173,001	9,722	9,252	93						
44	69	84.057	4.282,420	40.526,293	9,463	8,994	94						
45	70	82.762	3.940,599	36.243,873	9,198	8,728	95						
46	71	81.335	3.619,286	32.303,274	8,925	8,456	96						
47	72	79.745	3.316,377	28.683,988	8,649	8,180	97						
48	73	78.013	3.032,131	25.367,610	8,366	7,897	98						
49	74	76.112	2.764,704	22.335,479	8,079	7,609	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 1 Jahr

Zinsfuß 7,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	49	91.859	3.118,407	36.606,720	11,739	11,269
1	0	99.544	93.031,560	1.393.151,383	14,975	14,506	51	50	91.184	2.892,978	33.488,313	11,576	11,106
2	1	99.126	86.580,266	1.300.119,823	15,016	14,547	52	51	90.482	2.682,914	30.595,335	11,404	10,934
3	2	99.070	80.870,872	1.213.539,557	15,006	14,536	53	52	89.702	2.485,768	27.912,421	11,229	10,759
4	3	99.033	75.551,526	1.132.668,685	14,992	14,522	54	53	88.868	2.301,566	25.426,653	11,048	10,578
5	4	99.002	70.587,316	1.057.117,159	14,976	14,507	55	54	87.986	2.129,645	23.125,086	10,859	10,389
6	5	98.976	65.951,901	986.529,844	14,958	14,489	56	55	87.024	1.968,553	20.995,441	10,665	10,196
7	6	98.952	61.622,050	920.577,943	14,939	14,470	57	56	86.015	1.818,449	19.026,888	10,463	9,994
8	7	98.930	57.578,284	858.955,893	14,918	14,449	58	57	84.929	1.678,016	17.208,438	10,255	9,786
9	8	98.910	53.800,396	801.377,609	14,895	14,426	59	58	83.744	1.546,361	15.530,422	10,043	9,574
10	9	98.891	50.271,213	747.577,213	14,871	14,401	60	59	82.465	1.423,121	13.984,061	9,826	9,357
11	10	98.875	46.974,991	697.306,000	14,844	14,375	61	60	81.122	1.308,360	12.560,940	9,601	9,131
12	11	98.853	43.891,827	650.331,009	14,817	14,347	62	61	79.706	1.201,430	11.252,580	9,366	8,896
13	12	98.831	41.011,196	606.439,182	14,787	14,318	63	62	78.190	1.101,474	10.051,150	9,125	8,656
14	13	98.809	38.319,996	565.427,986	14,755	14,286	64	63	76.575	1.008,154	8.949,676	8,877	8,408
15	14	98.782	35.803,004	527.107,989	14,722	14,253	65	64	74.854	921,023	7.941,522	8,622	8,153
16	15	98.747	33.448,960	491.304,985	14,688	14,219	66	65	73.005	839,510	7.020,499	8,363	7,893
17	16	98.691	31.243,154	457.856,025	14,655	14,185	67	66	71.024	763,291	6.180,988	8,098	7,628
18	17	98.620	29.178,229	426.612,871	14,621	14,151	68	67	68.873	691,754	5.417,697	7,832	7,362
19	18	98.524	27.242,694	397.434,641	14,589	14,119	69	68	66.561	624,799	4.725,944	7,564	7,094
20	19	98.416	25.432,639	370.191,948	14,556	14,086	70	69	64.105	562,381	4.101,145	7,292	6,823
21	20	98.314	23.744,167	344.759,308	14,520	14,050	71	70	61.483	504,086	3.538,764	7,020	6,551
22	21	98.206	22.166,407	321.015,141	14,482	14,013	72	71	58.700	449,788	3.034,678	6,747	6,277
23	22	98.108	20.695,584	298.848,734	14,440	13,971	73	72	55.716	398,989	2.584,890	6,479	6,009
24	23	98.009	19.322,099	278.153,149	14,396	13,926	74	73	52.589	351,962	2.185,901	6,211	5,741
25	24	97.912	18.040,226	258.831,051	14,347	13,878	75	74	49.330	308,555	1.833,939	5,944	5,474
26	25	97.814	16.843,114	240.790,825	14,296	13,827	76	75	45.979	268,776	1.525,384	5,675	5,206
27	26	97.720	15.726,100	223.947,711	14,241	13,771	77	76	42.552	232,473	1.256,609	5,405	4,936
28	27	97.623	14.682,667	208.221,611	14,181	13,712	78	77	39.059	199,427	1.024,135	5,135	4,666
29	28	97.522	13.708,037	193.538,943	14,119	13,649	79	78	35.494	169,372	824,708	4,869	4,400
30	29	97.425	12.798,439	179.830,906	14,051	13,581	80	79	31.903	142,274	655,336	4,606	4,137
31	30	97.325	11.948,921	167.032,468	13,979	13,509	81	80	28.289	117,907	513,062	4,351	3,882
32	31	97.217	11.154,744	155.083,547	13,903	13,433	82	81	24.702	96,219	395,155	4,107	3,637
33	32	97.102	10.412,732	143.928,804	13,822	13,353	83	82	21.136	76,941	298,937	3,885	3,416
34	33	96.983	9.719,532	133.516,071	13,737	13,267	84	83	17.755	60,407	221,996	3,675	3,205
35	34	96.851	9.071,373	123.796,540	13,647	13,177	85	84	14.665	46,631	161,588	3,465	2,996
36	35	96.705	8.465,076	114.725,167	13,553	13,083	86	85	11.920	35,421	114,958	3,245	2,776
37	36	96.546	7.898,310	106.260,091	13,454	12,984	87	86	9.443	26,225	79,537	3,033	2,563
38	37	96.375	7.368,511	98.361,781	13,349	12,879	88	87	7.216	18,729	53,312	2,847	2,377
39	38	96.183	6.872,752	90.993,271	13,240	12,770	89	88	5.312	12,885	34,583	2,684	2,214
40	39	95.968	6.408,747	84.120,518	13,126	12,656	90	89	3.784	8,578	21,698	2,530	2,060
41	40	95.726	5.974,383	77.711,771	13,007	12,538	91	90	2.598	5,504	13,120	2,384	1,914
42	41	95.461	5.568,080	71.737,388	12,884	12,414	92	91	1.711	3,388	7,617	2,248	1,779
43	42	95.156	5.187,204	66.169,308	12,756	12,287	93	92	1.071	1,981	4,229	2,135	1,665
44	43	94.814	4.830,414	60.982,104	12,625	12,155	94	93	640	1,107	2,248	2,031	1,561
45	44	94.436	4.496,450	56.151,690	12,488	12,018	95	94	365	0,589	1,141	1,936	1,467
46	45	94.015	4.183,528	51.655,239	12,347	11,878	96	95	197	0,298	0,552	1,850	1,381
47	46	93.547	3.890,388	47.471,712	12,202	11,733	97	96	101	0,143	0,254	1,771	1,302
48	47	93.029	3.615,744	43.581,324	12,053	11,584	98	97	49	0,065	0,110	1,700	1,230
49	48	92.469	3.358,860	39.965,580	11,899	11,429	99	98	23	0,028	0,045	1,635	1,165
							100	99	10	0,011	0,018	1,575	1,106

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 2 Jahre

Zinsfuß 7,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	48	92.054	3.125,032	36.843,983	11,790	11,320
1							51	49	91.404	2.899,957	33.718,951	11,627	11,158
2	0	99.504	86.910,259	1.300.959,679	14,969	14,499	52	50	90.711	2.689,710	30.818,994	11,458	10,989
3	1	99.106	80.899,845	1.214.049,420	15,007	14,537	53	51	89.952	2.492,691	28.129,284	11,285	10,815
4	2	99.052	75.566,466	1.133.149,575	14,995	14,526	54	52	89.138	2.308,545	25.636,593	11,105	10,636
5	3	99.019	70.599,434	1.057.583,108	14,980	14,511	55	53	88.265	2.136,391	23.328,047	10,919	10,450
6	4	98.989	65.960,420	986.983,675	14,963	14,494	56	54	87.328	1.975,424	21.191,656	10,728	10,258
7	5	98.964	61.630,107	921.023,255	14,944	14,475	57	55	86.342	1.825,362	19.216,232	10,527	10,058
8	6	98.939	57.583,590	859.393,148	14,924	14,455	58	56	85.271	1.684,780	17.390,870	10,322	9,853
9	7	98.918	53.805,082	801.809,558	14,902	14,433	59	57	84.119	1.553,294	15.706,090	10,111	9,642
10	8	98.901	50.276,039	748.004,476	14,878	14,408	60	58	82.864	1.430,007	14.152,796	9,897	9,427
11	9	98.882	46.978,027	697.728,437	14,852	14,383	61	59	81.536	1.315,045	12.722,789	9,675	9,205
12	10	98.861	43.895,519	650.750,411	14,825	14,355	62	60	80.147	1.208,079	11.407,744	9,443	8,973
13	11	98.840	41.015,042	606.854,892	14,796	14,326	63	61	78.633	1.107,707	10.199,664	9,208	8,738
14	12	98.818	38.323,251	565.839,850	14,765	14,295	64	62	77.060	1.014,539	9.091,957	8,962	8,492
15	13	98.791	35.806,473	527.516,599	14,732	14,263	65	63	75.367	927,331	8.077,418	8,710	8,241
16	14	98.758	33.452,859	491.710,125	14,699	14,229	66	64	73.543	845,695	7.150,087	8,455	7,985
17	15	98.709	31.248,737	458.257,267	14,665	14,195	67	65	71.609	769,576	6.304,393	8,192	7,723
18	16	98.641	29.184,410	427.008,529	14,631	14,162	68	66	69.502	698,076	5.534,816	7,929	7,459
19	17	98.546	27.248,689	397.824,120	14,600	14,130	69	67	67.245	631,216	4.836,741	7,663	7,193
20	18	98.445	25.439,956	370.575,431	14,567	14,097	70	68	64.847	568,887	4.205,525	7,393	6,923
21	19	98.341	23.750,751	345.135,475	14,532	14,062	71	69	62.277	510,601	3.636,638	7,122	6,653
22	20	98.237	22.173,411	321.384,724	14,494	14,025	72	70	59.547	456,273	3.126,037	6,851	6,382
23	21	98.132	20.700,649	299.211,313	14,454	13,985	73	71	56.634	405,564	2.669,764	6,583	6,113
24	22	98.035	19.327,331	278.510,664	14,410	13,941	74	72	53.555	358,424	2.264,200	6,317	5,848
25	23	97.938	18.044,934	259.183,332	14,363	13,894	75	73	50.356	314,971	1.905,776	6,051	5,581
26	24	97.840	16.847,691	241.138,399	14,313	13,843	76	74	47.050	275,036	1.590,805	5,784	5,314
27	25	97.744	15.729,971	224.290,707	14,259	13,789	77	75	43.685	238,661	1.315,769	5,513	5,044
28	26	97.650	14.686,779	208.560,736	14,201	13,731	78	76	40.223	205,373	1.077,107	5,245	4,775
29	27	97.551	13.712,033	193.873,957	14,139	13,669	79	77	36.688	175,067	871,735	4,979	4,510
30	28	97.454	12.802,239	180.161,925	14,073	13,603	80	78	33.131	147,750	696,668	4,715	4,246
31	29	97.354	11.952,419	167.359,686	14,002	13,533	81	79	29.532	123,085	548,918	4,460	3,990
32	30	97.248	11.158,397	155.407,267	13,927	13,458	82	80	25.967	101,146	425,833	4,210	3,741
33	31	97.137	10.416,453	144.248,870	13,848	13,379	83	81	22.383	81,483	324,687	3,985	3,515
34	32	97.017	9.722,989	133.832,417	13,765	13,295	84	82	18.982	64,581	243,204	3,766	3,296
35	33	96.890	9.074,999	124.109,428	13,676	13,206	85	83	15.797	50,230	178,623	3,556	3,087
36	34	96.750	8.469,046	115.034,429	13,583	13,113	86	84	12.961	38,516	128,393	3,334	2,864
37	35	96.595	7.902,355	106.565,382	13,485	13,016	87	85	10.341	28,718	89,877	3,130	2,660
38	36	96.429	7.372,680	98.663,027	13,382	12,913	88	86	8.025	20,829	61,159	2,936	2,467
39	37	96.242	6.876,969	91.290,347	13,275	12,805	89	87	6.022	14,607	40,330	2,761	2,292
40	38	96.035	6.413,233	84.413,378	13,162	12,693	90	88	4.357	9,877	25,723	2,604	2,135
41	39	95.802	5.979,168	78.000,145	13,045	12,576	91	89	3.050	6,461	15,846	2,453	1,983
42	40	95.544	5.572,929	72.020,977	12,923	12,454	92	90	2.045	4,049	9,385	2,318	1,848
43	41	95.250	5.192,336	66.448,048	12,797	12,328	93	91	1.317	2,438	5,336	2,189	1,719
44	42	94.920	4.835,853	61.255,711	12,667	12,197	94	92	805	1,393	2,898	2,080	1,611
45	43	94.559	4.502,294	56.419,858	12,531	12,062	95	93	470	0,759	1,505	1,981	1,512
46	44	94.146	4.189,359	51.917,564	12,393	11,923	96	94	261	0,394	0,745	1,891	1,422
47	45	93.696	3.896,568	47.728,205	12,249	11,779	97	95	137	0,194	0,351	1,809	1,340
48	46	93.197	3.622,249	43.831,637	12,101	11,631	98	96	69	0,091	0,157	1,734	1,265
49	47	92.649	3.365,404	40.209,388	11,948	11,478	99	97	32	0,040	0,066	1,666	1,197
							100	98	14	0,017	0,027	1,604	1,134

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 3 Jahre

Zinsfuß 7,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	47	92.234	3.131,121	37.062,992	11,837	11,367
1							51	48	91.598	2.906,118	33.931,871	11,676	11,206
2							52	49	90.930	2.696,199	31.025,753	11,507	11,038
3	0	99.484	81.208,188	1.214.825,187	14,959	14,490	53	50	90.179	2.499,005	28.329,554	11,336	10,867
4	1	99.088	75.593,539	1.133.616,999	14,996	14,527	54	51	89.386	2.314,975	25.830,549	11,158	10,689
5	2	99.039	70.613,395	1.058.023,459	14,983	14,514	55	52	88.533	2.142,869	23.515,574	10,974	10,504
6	3	99.006	65.971,744	987.410,065	14,967	14,498	56	53	87.604	1.981,682	21.372,705	10,785	10,316
7	4	98.977	61.638,068	921.438,321	14,949	14,480	57	54	86.644	1.831,733	19.391,023	10,586	10,117
8	5	98.952	57.591,118	859.800,253	14,929	14,460	58	55	85.595	1.691,184	17.559,290	10,383	9,913
9	6	98.928	53.810,040	802.209,135	14,908	14,439	59	56	84.459	1.559,555	15.868,106	10,175	9,705
10	7	98.909	50.280,418	748.399,094	14,885	14,415	60	57	83.235	1.436,418	14.308,551	9,961	9,492
11	8	98.891	46.982,537	698.118,677	14,859	14,390	61	58	81.931	1.321,409	12.872,133	9,741	9,272
12	9	98.868	43.898,355	651.136,140	14,833	14,363	62	59	80.557	1.214,252	11.550,724	9,513	9,043
13	10	98.848	41.018,492	607.237,785	14,804	14,334	63	60	79.068	1.113,838	10.336,472	9,280	8,811
14	11	98.827	38.326,845	566.219,293	14,773	14,304	64	61	77.496	1.020,280	9.222,633	9,039	8,570
15	12	98.800	35.809,515	527.892,448	14,742	14,272	65	62	75.844	933,203	8.202,353	8,789	8,320
16	13	98.768	33.456,100	492.082,933	14,708	14,239	66	63	74.047	851,486	7.269,150	8,537	8,067
17	14	98.720	31.252,379	458.626,833	14,675	14,205	67	64	72.136	775,245	6.417,663	8,278	7,809
18	15	98.659	29.189,625	427.374,454	14,641	14,172	68	65	70.075	703,824	5.642,418	8,017	7,547
19	16	98.567	27.254,461	398.184,829	14,610	14,140	69	66	67.859	636,984	4.938,594	7,753	7,284
20	17	98.466	25.445,554	370.930,368	14,577	14,108	70	67	65.513	574,730	4.301,609	7,485	7,015
21	18	98.370	23.757,584	345.484,814	14,542	14,073	71	68	62.998	516,508	3.726,880	7,216	6,746
22	19	98.264	22.179,559	321.727,231	14,506	14,036	72	69	60.316	462,170	3.210,372	6,946	6,477
23	20	98.163	20.707,190	299.547,671	14,466	13,996	73	70	57.450	411,411	2.748,202	6,680	6,210
24	21	98.059	19.332,061	278.840,482	14,424	13,954	74	71	54.437	364,331	2.336,791	6,414	5,944
25	22	97.964	18.049,820	259.508,420	14,377	13,908	75	72	51.281	320,754	1.972,460	6,149	5,680
26	23	97.866	16.852,088	241.458,600	14,328	13,859	76	73	48.028	280,756	1.651,706	5,883	5,414
27	24	97.771	15.734,245	224.606,511	14,275	13,805	77	74	44.703	244,220	1.370,950	5,614	5,144
28	25	97.674	14.690,394	208.872,266	14,218	13,749	78	75	41.294	210,839	1.126,730	5,344	4,875
29	26	97.578	13.715,873	194.181,872	14,157	13,688	79	76	37.782	180,286	915,891	5,080	4,611
30	27	97.482	12.805,971	180.465,999	14,092	13,623	80	77	34.245	152,718	735,605	4,817	4,347
31	28	97.383	11.955,968	167.660,029	14,023	13,554	81	78	30.668	127,822	582,887	4,560	4,091
32	29	97.277	11.161,664	155.704,061	13,950	13,480	82	79	27.107	105,588	455,065	4,310	3,840
33	30	97.169	10.419,865	144.542,397	13,872	13,402	83	80	23.529	85,656	349,477	4,080	3,610
34	31	97.052	9.726,463	134.122,532	13,789	13,320	84	81	20.102	68,393	263,821	3,857	3,388
35	32	96.924	9.078,227	124.396,069	13,703	13,233	85	82	16.889	53,701	195,428	3,639	3,170
36	33	96.789	8.472,432	115.317,842	13,611	13,141	86	83	13.962	41,489	141,727	3,416	2,947
37	34	96.641	7.906,062	106.845,410	13,514	13,045	87	84	11.244	31,228	100,238	3,210	2,740
38	35	96.479	7.376,456	98.939,348	13,413	12,943	88	85	8.788	22,809	69,010	3,026	2,556
39	36	96.296	6.880,860	91.562,892	13,307	12,837	89	86	6.697	16,244	46,201	2,844	2,375
40	37	96.094	6.417,168	84.682,032	13,196	12,727	90	87	4.939	11,197	29,957	2,675	2,206
41	38	95.869	5.983,354	78.264,863	13,080	12,611	91	88	3.511	7,440	18,760	2,522	2,052
42	39	95.620	5.577,392	72.281,510	12,960	12,490	92	89	2.401	4,754	11,320	2,381	1,912
43	40	95.333	5.196,857	66.704,118	12,835	12,366	93	90	1.575	2,914	6,566	2,253	1,783
44	41	95.014	4.840,638	61.507,260	12,706	12,237	94	91	991	1,714	3,652	2,130	1,661
45	42	94.666	4.507,364	56.666,622	12,572	12,102	95	92	591	0,956	1,937	2,027	1,558
46	43	94.268	4.194,804	52.159,259	12,434	11,965	96	93	336	0,508	0,982	1,933	1,464
47	44	93.826	3.902,000	47.964,454	12,292	11,823	97	94	182	0,256	0,474	1,847	1,378
48	45	93.345	3.628,003	44.062,455	12,145	11,676	98	95	93	0,123	0,217	1,769	1,300
49	46	92.816	3.371,459	40.434,452	11,993	11,524	99	96	45	0,056	0,095	1,698	1,229
							100	97	21	0,024	0,039	1,633	1,164

Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004

Altersdifferenz zwischen Mann und Frau (x - y) = 4 Jahre

Zinsfuß 7,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	46	92.399	3.136,754	37.265,039	11,880	11,411
1							51	47	91.776	2.911,780	34.128,285	11,721	11,251
2							52	48	91.123	2.701,927	31.216,505	11,553	11,084
3							53	49	90.397	2.505,034	28.514,577	11,383	10,913
4	0	99.465	75.881,657	1.134.333,458	14,949	14,479	54	50	89.613	2.320,839	26.009,543	11,207	10,737
5	1	99.074	70.638,694	1.058.451,801	14,984	14,515	55	51	88.779	2.148,837	23.688,705	11,024	10,554
6	2	99.025	65.984,790	987.813,107	14,970	14,501	56	52	87.870	1.987,691	21.539,867	10,837	10,367
7	3	98.994	61.648,649	921.828,317	14,953	14,483	57	53	86.918	1.837,535	19.552,177	10,640	10,171
8	4	98.965	57.598,558	860.179,668	14,934	14,465	58	54	85.894	1.697,087	17.714,642	10,438	9,969
9	5	98.940	53.817,075	802.581,110	14,913	14,444	59	55	84.780	1.565,483	16.017,554	10,232	9,762
10	6	98.918	50.285,051	748.764,035	14,890	14,421	60	56	83.571	1.442,208	14.452,071	10,021	9,551
11	7	98.900	46.986,629	698.478,984	14,865	14,396	61	57	82.298	1.327,333	13.009,863	9,802	9,332
12	8	98.877	43.902,569	651.492,355	14,840	14,370	62	58	80.947	1.220,128	11.682,530	9,575	9,105
13	9	98.855	41.021,142	607.589,786	14,812	14,342	63	59	79.472	1.119,530	10.462,402	9,345	8,876
14	10	98.835	38.330,068	566.568,643	14,781	14,312	64	60	77.925	1.025,927	9.342,873	9,107	8,637
15	11	98.809	35.812,873	528.238,575	14,750	14,280	65	61	76.273	938,485	8.316,945	8,862	8,393
16	12	98.776	33.458,942	492.425,702	14,717	14,248	66	62	74.516	856,879	7.378,461	8,611	8,141
17	13	98.730	31.255,407	458.966,760	14,684	14,215	67	63	72.630	780,555	6.521,582	8,355	7,886
18	14	98.670	29.193,027	427.711,352	14,651	14,182	68	64	70.591	709,009	5.741,027	8,097	7,628
19	15	98.584	27.259,331	398.518,326	14,620	14,150	69	65	68.418	642,230	5.032,018	7,835	7,366
20	16	98.487	25.450,944	371.258,994	14,587	14,118	70	66	66.112	579,982	4.389,789	7,569	7,099
21	17	98.391	23.762,812	345.808,051	14,552	14,083	71	67	63.645	521,812	3.809,806	7,301	6,832
22	18	98.293	22.185,940	322.045,239	14,516	14,046	72	68	61.014	467,517	3.287,994	7,033	6,563
23	19	98.190	20.712,932	299.859,299	14,477	14,007	73	69	58.193	416,728	2.820,477	6,768	6,299
24	20	98.090	19.338,170	279.146,367	14,435	13,965	74	70	55.222	369,584	2.403,749	6,504	6,034
25	21	97.988	18.054,238	259.808,198	14,390	13,921	75	71	52.126	326,040	2.034,165	6,239	5,769
26	22	97.893	16.856,652	241.753,960	14,342	13,872	76	72	48.910	285,910	1.708,125	5,974	5,505
27	23	97.796	15.738,352	224.897,308	14,290	13,820	77	73	45.632	249,299	1.422,215	5,705	5,235
28	24	97.701	14.694,386	209.158,956	14,234	13,764	78	74	42.256	215,750	1.172,916	5,436	4,967
29	25	97.602	13.719,249	194.464,570	14,175	13,705	79	75	38.787	185,085	957,166	5,172	4,702
30	26	97.510	12.809,557	180.745,322	14,110	13,641	80	76	35.266	157,271	772,081	4,909	4,440
31	27	97.411	11.959,453	167.935,765	14,042	13,573	81	77	31.700	132,120	614,810	4,653	4,184
32	28	97.306	11.164,978	155.976,312	13,970	13,501	82	78	28.150	109,652	482,690	4,402	3,933
33	29	97.197	10.422,916	144.811,334	13,894	13,424	83	79	24.563	89,418	373,039	4,172	3,702
34	30	97.084	9.729,649	134.388,418	13,812	13,343	84	80	21.132	71,895	283,621	3,945	3,475
35	31	96.959	9.081,471	124.658,769	13,727	13,257	85	81	17.886	56,871	211,726	3,723	3,253
36	32	96.823	8.475,445	115.577,298	13,637	13,167	86	82	14.926	44,355	154,855	3,491	3,022
37	33	96.679	7.909,222	107.101,853	13,541	13,072	87	83	12.112	33,638	110,499	3,285	2,815
38	34	96.524	7.379,916	99.192,630	13,441	12,971	88	84	9.556	24,802	76,861	3,099	2,629
39	35	96.346	6.884,385	91.812,714	13,336	12,867	89	85	7.333	17,789	52,059	2,926	2,457
40	36	96.148	6.420,799	84.928,330	13,227	12,758	90	86	5.493	12,452	34,270	2,752	2,283
41	37	95.928	5.987,025	78.507,531	13,113	12,643	91	87	3.981	8,434	21,818	2,587	2,117
42	38	95.687	5.581,296	72.520,506	12,993	12,524	92	88	2.765	5,474	13,384	2,445	1,975
43	39	95.409	5.201,020	66.939,209	12,870	12,401	93	89	1.849	3,422	7,909	2,312	1,842
44	40	95.097	4.844,853	61.738,190	12,743	12,274	94	90	1.185	2,049	4,488	2,190	1,721
45	41	94.759	4.511,824	56.893,337	12,610	12,140	95	91	728	1,176	2,439	2,073	1,604
46	42	94.374	4.199,527	52.381,513	12,473	12,004	96	92	423	0,639	1,263	1,976	1,506
47	43	93.948	3.907,071	48.181,986	12,332	11,862	97	93	234	0,331	0,623	1,886	1,417
48	44	93.475	3.633,061	44.274,915	12,187	11,717	98	94	123	0,162	0,293	1,805	1,335
49	45	92.963	3.376,815	40.641,854	12,036	11,566	99	95	61	0,075	0,131	1,731	1,261
							100	96	29	0,033	0,055	1,663	1,194

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 5 Jahre

Zinsfuß 7,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	45	92.546	3.141,737	37.451,129	11,921	11,451
1							51	46	91.942	2.917,019	34.309,392	11,762	11,292
2							52	47	91.301	2.707,192	31.392,372	11,596	11,126
3							53	48	90.589	2.510,356	28.685,181	11,427	10,957
4							54	49	89.829	2.326,438	26.174,825	11,251	10,782
5	0	99.452	70.907,926	1.059.113,417	14,936	14,467	55	50	89.004	2.154,280	23.848,387	11,070	10,601
6	1	99.061	66.008,430	988.205,490	14,971	14,501	56	51	88.115	1.993,227	21.694,107	10,884	10,414
7	2	99.014	61.660,840	922.197,060	14,956	14,486	57	52	87.182	1.843,107	19.700,880	10,689	10,219
8	3	98.982	57.608,446	860.536,219	14,938	14,468	58	53	86.166	1.702,463	17.857,773	10,489	10,020
9	4	98.953	53.824,027	802.927,774	14,918	14,448	59	54	85.076	1.570,948	16.155,310	10,284	9,814
10	5	98.931	50.291,625	749.103,747	14,895	14,426	60	55	83.888	1.447,690	14.584,363	10,074	9,605
11	6	98.909	46.990,959	698.812,121	14,871	14,402	61	56	82.630	1.332,683	13.136,673	9,857	9,388
12	7	98.886	43.906,393	651.821,162	14,846	14,376	62	57	81.310	1.225,598	11.803,989	9,631	9,162
13	8	98.864	41.025,080	607.914,769	14,818	14,349	63	58	79.856	1.124,947	10.578,391	9,403	8,934
14	9	98.842	38.332,545	566.889,689	14,789	14,319	64	59	78.323	1.031,170	9.453,444	9,168	8,698
15	10	98.817	35.815,885	528.557,143	14,758	14,288	65	60	76.695	943,679	8.422,275	8,925	8,455
16	11	98.786	33.462,080	492.741,258	14,725	14,256	66	61	74.938	861,728	7.478,596	8,679	8,209
17	12	98.738	31.258,062	459.279,179	14,693	14,224	67	62	73.090	785,498	6.616,868	8,424	7,954
18	13	98.680	29.195,855	428.021,116	14,660	14,191	68	63	71.074	713,865	5.831,370	8,169	7,699
19	14	98.596	27.262,508	398.825,261	14,629	14,160	69	64	68.922	646,961	5.117,506	7,910	7,441
20	15	98.505	25.455,492	371.562,753	14,597	14,127	70	65	66.656	584,758	4.470,545	7,645	7,176
21	16	98.412	23.767,845	346.107,261	14,562	14,092	71	66	64.226	526,581	3.885,787	7,379	6,910
22	17	98.314	22.190,822	322.339,416	14,526	14,056	72	67	61.641	472,318	3.359,205	7,112	6,643
23	18	98.219	20.718,890	300.148,593	14,487	14,017	73	68	58.866	421,549	2.886,887	6,848	6,379
24	19	98.117	19.343,532	279.429,703	14,446	13,976	74	69	55.936	374,360	2.465,338	6,585	6,116
25	20	98.019	18.059,942	260.086,172	14,401	13,932	75	70	52.878	330,741	2.090,978	6,322	5,853
26	21	97.916	16.860,777	242.026,229	14,354	13,885	76	71	49.716	290,622	1.760,237	6,057	5,587
27	22	97.823	15.742,614	225.165,452	14,303	13,833	77	72	46.470	253,876	1.469,615	5,789	5,319
28	23	97.726	14.698,221	209.422,838	14,248	13,779	78	73	43.134	220,237	1.215,739	5,520	5,051
29	24	97.629	13.722,977	194.724,617	14,190	13,720	79	74	39.691	189,396	995,502	5,256	4,787
30	25	97.534	12.812,710	181.001,641	14,127	13,657	80	75	36.204	161,457	806,106	4,993	4,523
31	26	97.438	11.962,802	168.188,931	14,059	13,590	81	76	32.645	136,059	644,649	4,738	4,269
32	27	97.334	11.168,233	156.226,129	13,988	13,519	82	77	29.097	113,339	508,590	4,487	4,018
33	28	97.226	10.426,010	145.057,896	13,913	13,444	83	78	25.508	92,859	395,252	4,256	3,787
34	29	97.112	9.732,498	134.631,885	13,833	13,364	84	79	22.060	75,053	302,393	4,029	3,560
35	30	96.991	9.084,445	124.899,387	13,749	13,279	85	80	18.802	59,783	227,340	3,803	3,333
36	31	96.858	8.478,474	115.814,942	13,660	13,190	86	81	15.807	46,974	167,557	3,567	3,098
37	32	96.714	7.912,035	107.336,468	13,566	13,097	87	82	12.949	35,962	120,583	3,353	2,884
38	33	96.563	7.382,866	99.424,433	13,467	12,997	88	83	10.293	26,717	84,620	3,167	2,698
39	34	96.391	6.887,614	92.041,567	13,363	12,894	89	84	7.974	19,343	57,904	2,993	2,524
40	35	96.197	6.424,088	85.153,953	13,255	12,786	90	85	6.015	13,636	38,560	2,828	2,358
41	36	95.982	5.990,412	78.729,865	13,143	12,673	91	86	4.427	9,380	24,924	2,657	2,188
42	37	95.746	5.584,721	72.739,453	13,025	12,555	92	87	3.134	6,206	15,545	2,505	2,035
43	38	95.476	5.204,660	67.154,732	12,903	12,433	93	88	2.129	3,940	9,339	2,370	1,901
44	39	95.173	4.848,733	61.950,071	12,777	12,307	94	89	1.391	2,406	5,399	2,244	1,775
45	40	94.842	4.515,752	57.101,338	12,645	12,175	95	90	870	1,406	2,993	2,129	1,660
46	41	94.468	4.203,683	52.585,586	12,509	12,040	96	91	521	0,786	1,587	2,019	1,549
47	42	94.054	3.911,470	48.381,904	12,369	11,900	97	92	295	0,416	0,801	1,926	1,456
48	43	93.596	3.637,782	44.470,433	12,225	11,755	98	93	159	0,209	0,385	1,841	1,372
49	44	93.093	3.381,522	40.832,651	12,075	11,606	99	94	81	0,100	0,176	1,764	1,294
							100	95	39	0,045	0,076	1,694	1,224

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 6 Jahre

Zinsfuß 7,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	44	92.675	3.146,117	37.622,234	11,958	11,489
1							51	45	92.088	2.921,653	34.476,117	11,800	11,331
2							52	46	91.465	2.712,062	31.554,464	11,635	11,165
3							53	47	90.766	2.515,247	28.842,402	11,467	10,998
4							54	48	90.020	2.331,380	26.327,155	11,293	10,823
5							55	49	89.219	2.159,478	23.995,775	11,112	10,642
6	0	99.438	66.260,015	988.816,406	14,923	14,454	56	50	88.338	1.998,275	21.836,297	10,928	10,458
7	1	99.049	61.682,932	922.556,391	14,956	14,487	57	51	87.425	1.848,240	19.838,022	10,733	10,264
8	2	99.002	57.619,838	860.873,459	14,941	14,471	58	52	86.427	1.707,625	17.989,782	10,535	10,065
9	3	98.970	53.833,267	803.253,621	14,921	14,452	59	53	85.345	1.575,924	16.282,156	10,332	9,862
10	4	98.944	50.298,122	749.420,354	14,900	14,430	60	54	84.181	1.452,743	14.706,233	10,123	9,654
11	5	98.922	46.997,102	699.122,232	14,876	14,406	61	55	82.944	1.337,749	13.253,490	9,907	9,438
12	6	98.895	43.910,439	652.125,130	14,851	14,382	62	56	81.637	1.230,538	11.915,741	9,683	9,214
13	7	98.873	41.028,654	608.214,691	14,824	14,355	63	57	80.214	1.129,990	10.685,202	9,456	8,986
14	8	98.851	38.336,225	567.186,037	14,795	14,326	64	58	78.702	1.036,159	9.555,212	9,222	8,752
15	9	98.824	35.818,199	528.849,812	14,765	14,295	65	59	77.087	948,501	8.519,053	8,982	8,512
16	10	98.794	33.464,894	493.031,612	14,733	14,263	66	60	75.352	866,497	7.570,552	8,737	8,267
17	11	98.748	31.260,994	459.566,718	14,701	14,231	67	61	73.504	789,943	6.704,055	8,487	8,017
18	12	98.688	29.198,335	428.305,725	14,669	14,199	68	62	71.524	718,385	5.914,112	8,233	7,763
19	13	98.605	27.265,150	399.107,389	14,638	14,168	69	63	69.394	651,392	5.195,726	7,976	7,507
20	14	98.516	25.458,459	371.842,240	14,606	14,136	70	64	67.147	589,066	4.544,335	7,714	7,245
21	15	98.430	23.772,093	346.383,781	14,571	14,102	71	65	64.755	530,918	3.955,269	7,450	6,980
22	16	98.335	22.195,523	322.611,688	14,535	14,065	72	66	62.204	476,635	3.424,351	7,184	6,715
23	17	98.240	20.723,450	300.416,166	14,496	14,027	73	67	59.470	425,878	2.947,717	6,921	6,452
24	18	98.146	19.349,096	279.692,716	14,455	13,986	74	68	56.583	378,691	2.521,838	6,659	6,190
25	19	98.046	18.064,950	260.343,620	14,412	13,942	75	69	53.561	335,015	2.143,147	6,397	5,928
26	20	97.947	16.866,105	242.278,670	14,365	13,895	76	70	50.433	294,812	1.808,131	6,133	5,664
27	21	97.846	15.746,466	225.412,565	14,315	13,846	77	71	47.236	258,060	1.513,319	5,864	5,395
28	22	97.753	14.702,201	209.666,099	14,261	13,791	78	72	43.926	224,280	1.255,259	5,597	5,127
29	23	97.654	13.726,558	194.963,897	14,203	13,734	79	73	40.516	193,334	1.030,979	5,333	4,863
30	24	97.560	12.816,191	181.237,339	14,141	13,672	80	74	37.048	165,218	837,645	5,070	4,600
31	25	97.462	11.965,747	168.421,148	14,075	13,606	81	75	33.514	139,680	672,427	4,814	4,345
32	26	97.361	11.171,360	156.455,401	14,005	13,536	82	76	29.964	116,717	532,746	4,564	4,095
33	27	97.254	10.429,050	145.284,041	13,931	13,461	83	77	26.366	95,982	416,029	4,334	3,865
34	28	97.141	9.735,388	134.854,991	13,852	13,383	84	78	22.909	77,941	320,047	4,106	3,637
35	29	97.019	9.087,105	125.119,603	13,769	13,299	85	79	19.627	62,408	242,106	3,879	3,410
36	30	96.889	8.481,251	116.032,498	13,681	13,212	86	80	16.617	49,379	179,698	3,639	3,170
37	31	96.748	7.914,863	107.551,247	13,589	13,119	87	81	13.714	38,086	130,318	3,422	2,952
38	32	96.597	7.385,492	99.636,385	13,491	13,021	88	82	11.004	28,563	92,233	3,229	2,760
39	33	96.429	6.890,367	92.250,892	13,388	12,919	89	83	8.590	20,836	63,670	3,056	2,586
40	34	96.242	6.427,101	85.360,525	13,281	12,812	90	84	6.540	14,828	42,834	2,889	2,419
41	35	96.032	5.993,481	78.933,424	13,170	12,700	91	85	4.848	10,271	28,006	2,727	2,257
42	36	95.800	5.587,881	72.939,944	13,053	12,584	92	86	3.485	6,901	17,735	2,570	2,100
43	37	95.535	5.207,854	67.352,063	12,933	12,463	93	87	2.413	4,466	10,833	2,426	1,956
44	38	95.240	4.852,127	62.144,209	12,808	12,338	94	88	1.602	2,770	6,367	2,298	1,829
45	39	94.918	4.519,369	57.292,082	12,677	12,207	95	89	1.021	1,651	3,597	2,179	1,710
46	40	94.550	4.207,343	52.772,713	12,543	12,073	96	90	622	0,940	1,946	2,070	1,601
47	41	94.147	3.915,340	48.565,370	12,404	11,934	97	91	363	0,512	1,006	1,966	1,496
48	42	93.702	3.641,878	44.650,030	12,260	11,791	98	92	199	0,263	0,494	1,878	1,408
49	43	93.214	3.385,917	41.008,151	12,111	11,642	99	93	104	0,129	0,231	1,798	1,328
							100	94	52	0,059	0,103	1,724	1,255

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 7 Jahre

Zinsfuß 7,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	43	92.796	3.150,206	37.779,562	11,993	11,523
1							51	44	92.216	2.925,726	34.629,357	11,836	11,367
2							52	45	91.611	2.716,371	31.703,631	11,671	11,202
3							53	46	90.929	2.519,773	28.987,260	11,504	11,034
4							54	47	90.195	2.335,923	26.467,488	11,331	10,861
5							55	48	89.408	2.164,065	24.131,565	11,151	10,682
6							56	49	88.551	2.003,096	21.967,500	10,967	10,497
7	0	99.427	61.918,031	923.120,467	14,909	14,439	57	50	87.646	1.852,922	19.964,404	10,775	10,305
8	1	99.037	57.640,482	861.202,436	14,941	14,471	58	51	86.668	1.712,381	18.111,482	10,577	10,107
9	2	98.990	53.843,913	803.561,955	14,924	14,454	59	52	85.604	1.580,702	16.399,101	10,375	9,905
10	3	98.961	50.306,757	749.718,042	14,903	14,433	60	53	84.448	1.457,345	14.818,398	10,168	9,699
11	4	98.935	47.003,173	699.411,285	14,880	14,411	61	54	83.234	1.342,418	13.361,054	9,953	9,483
12	5	98.908	43.916,180	652.408,112	14,856	14,386	62	55	81.948	1.235,216	12.018,636	9,730	9,260
13	6	98.882	41.032,435	608.491,932	14,830	14,360	63	56	80.538	1.134,545	10.783,420	9,505	9,035
14	7	98.860	38.339,564	567.459,497	14,801	14,331	64	57	79.055	1.040,804	9.648,875	9,271	8,801
15	8	98.833	35.821,638	529.119,933	14,771	14,301	65	58	77.460	953,091	8.608,070	9,032	8,562
16	9	98.800	33.467,056	493.298,295	14,740	14,270	66	59	75.737	870,925	7.654,979	8,789	8,320
17	10	98.756	31.263,623	459.831,238	14,708	14,239	67	60	73.910	794,315	6.784,055	8,541	8,071
18	11	98.698	29.201,074	428.567,616	14,676	14,207	68	61	71.929	722,451	5.989,739	8,291	7,821
19	12	98.614	27.267,466	399.366,542	14,646	14,177	69	62	69.834	655,517	5.267,289	8,035	7,566
20	13	98.526	25.460,926	372.099,076	14,615	14,145	70	63	67.607	593,100	4.611,772	7,776	7,306
21	14	98.441	23.774,863	346.638,151	14,580	14,111	71	64	65.232	534,829	4.018,672	7,514	7,044
22	15	98.353	22.199,489	322.863,288	14,544	14,074	72	65	62.716	480,560	3.483,843	7,250	6,780
23	16	98.261	20.727,839	300.663,799	14,505	14,036	73	66	60.014	429,771	3.003,284	6,988	6,519
24	17	98.167	19.353,354	279.935,959	14,464	13,995	74	67	57.164	382,580	2.573,513	6,727	6,257
25	18	98.075	18.070,147	260.582,605	14,421	13,951	75	68	54.181	338,891	2.190,933	6,465	5,995
26	19	97.975	16.870,781	242.512,458	14,375	13,905	76	69	51.085	298,622	1.852,041	6,202	5,732
27	20	97.877	15.751,442	225.641,677	14,325	13,856	77	70	47.917	261,781	1.553,419	5,934	5,465
28	21	97.776	14.705,799	209.890,235	14,273	13,803	78	71	44.650	227,976	1.291,638	5,666	5,196
29	22	97.681	13.730,275	195.184,436	14,216	13,746	79	72	41.260	196,884	1.063,662	5,402	4,933
30	23	97.586	12.819,536	181.454,160	14,155	13,685	80	73	37.818	168,654	866,778	5,139	4,670
31	24	97.489	11.968,998	168.634,624	14,089	13,620	81	74	34.294	142,934	698,124	4,884	4,415
32	25	97.385	11.174,110	156.665,626	14,020	13,551	82	75	30.762	119,824	555,191	4,633	4,164
33	26	97.282	10.431,970	145.491,516	13,947	13,477	83	76	27.152	98,843	435,366	4,405	3,935
34	27	97.169	9.738,226	135.059,545	13,869	13,399	84	77	23.679	80,562	336,523	4,177	3,708
35	28	97.048	9.089,803	125.321,320	13,787	13,318	85	78	20.383	64,810	255,961	3,949	3,480
36	29	96.918	8.483,734	116.231,517	13,701	13,231	86	79	17.347	51,548	191,151	3,708	3,239
37	30	96.780	7.917,455	107.747,783	13,609	13,139	87	80	14.416	40,036	139,603	3,487	3,017
38	31	96.631	7.388,131	99.830,328	13,512	13,043	88	81	11.654	30,249	99,567	3,292	2,822
39	32	96.464	6.892,818	92.442,196	13,411	12,942	89	82	9.183	22,276	69,318	3,112	2,642
40	33	96.281	6.429,670	85.549,378	13,305	12,836	90	83	7.045	15,972	47,042	2,945	2,476
41	34	96.077	5.996,292	79.119,708	13,195	12,725	91	84	5.272	11,169	31,070	2,782	2,312
42	35	95.849	5.590,743	73.123,416	13,079	12,610	92	85	3.817	7,558	19,901	2,633	2,164
43	36	95.589	5.210,800	67.532,673	12,960	12,491	93	86	2.684	4,967	12,344	2,485	2,016
44	37	95.298	4.855,104	62.321,873	12,836	12,367	94	87	1.816	3,140	7,377	2,349	1,879
45	38	94.984	4.522,532	57.466,769	12,707	12,237	95	88	1.176	1,901	4,236	2,229	1,759
46	39	94.626	4.210,713	52.944,236	12,574	12,104	96	89	731	1,104	2,336	2,116	1,647
47	40	94.229	3.918,750	48.733,523	12,436	11,966	97	90	433	0,612	1,232	2,014	1,544
48	41	93.794	3.645,482	44.814,774	12,293	11,824	98	91	245	0,324	0,620	1,915	1,445
49	42	93.319	3.389,729	41.169,292	12,145	11,676	99	92	131	0,162	0,296	1,831	1,362
							100	93	66	0,077	0,134	1,756	1,286

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 8 Jahre

Zinsfuß 7,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	42	92.900	3.153,753	37.923,970	12,025	11,556
1							51	43	92.336	2.929,528	34.770,217	11,869	11,399
2							52	44	91.738	2.720,157	31.840,689	11,705	11,236
3							53	45	91.073	2.523,775	29.120,532	11,538	11,069
4							54	46	90.357	2.340,125	26.596,756	11,366	10,896
5							55	47	89.583	2.168,282	24.256,631	11,187	10,718
6							56	48	88.739	2.007,352	22.088,349	11,004	10,534
7							57	49	87.858	1.857,392	20.080,997	10,811	10,342
8	0	99.415	57.860,173	861.723,249	14,893	14,424	58	50	86.888	1.716,719	18.223,605	10,615	10,146
9	1	99.025	53.863,204	803.863,076	14,924	14,455	59	51	85.842	1.585,105	16.506,887	10,414	9,944
10	2	98.981	50.316,705	749.999,872	14,906	14,436	60	52	84.704	1.461,764	14.921,782	10,208	9,739
11	3	98.952	47.011,242	699.683,167	14,883	14,414	61	53	83.497	1.346,670	13.460,018	9,995	9,526
12	4	98.920	43.921,853	652.671,925	14,860	14,390	62	54	82.234	1.239,527	12.113,348	9,773	9,303
13	5	98.895	41.037,799	608.750,072	14,834	14,364	63	55	80.844	1.138,858	10.873,820	9,548	9,078
14	6	98.869	38.343,097	567.712,273	14,806	14,337	64	56	79.374	1.045,000	9.734,963	9,316	8,846
15	7	98.842	35.824,758	529.369,175	14,777	14,307	65	57	77.808	957,363	8.689,963	9,077	8,607
16	8	98.810	33.470,269	493.544,417	14,746	14,276	66	58	76.104	875,139	7.732,599	8,836	8,366
17	9	98.762	31.265,643	460.074,148	14,715	14,245	67	59	74.288	798,374	6.857,460	8,589	8,120
18	10	98.706	29.203,529	428.808,505	14,683	14,214	68	60	72.327	726,449	6.059,086	8,341	7,871
19	11	98.623	27.270,023	399.604,975	14,654	14,184	69	61	70.229	659,226	5.332,637	8,089	7,620
20	12	98.534	25.463,088	372.334,952	14,623	14,153	70	62	68.035	596,856	4.673,411	7,830	7,361
21	13	98.451	23.777,167	346.871,864	14,588	14,119	71	63	65.679	538,492	4.076,555	7,570	7,101
22	14	98.364	22.202,076	323.094,698	14,552	14,083	72	64	63.178	484,100	3.538,063	7,309	6,839
23	15	98.279	20.731,543	300.892,621	14,514	14,044	73	65	60.508	433,310	3.053,963	7,048	6,578
24	16	98.188	19.357,454	280.161,078	14,473	14,004	74	66	57.686	386,077	2.620,654	6,788	6,318
25	17	98.096	18.074,123	260.803,624	14,430	13,960	75	67	54.737	342,372	2.234,577	6,527	6,057
26	18	98.003	16.875,635	242.729,501	14,383	13,914	76	68	51.676	302,077	1.892,205	6,264	5,794
27	19	97.905	15.755,809	225.853,866	14,335	13,865	77	69	48.536	265,164	1.590,128	5,997	5,527
28	20	97.807	14.710,446	210.098,057	14,282	13,813	78	70	45.294	231,263	1.324,964	5,729	5,260
29	21	97.705	13.733,636	195.387,611	14,227	13,757	79	71	41.940	200,128	1.093,701	5,465	4,995
30	22	97.612	12.823,008	181.653,975	14,166	13,697	80	72	38.512	171,750	893,573	5,203	4,733
31	23	97.514	11.972,122	168.830,968	14,102	13,632	81	73	35.007	145,906	721,822	4,947	4,478
32	24	97.412	11.177,147	156.858,845	14,034	13,564	82	74	31.478	122,615	575,916	4,697	4,227
33	25	97.306	10.434,538	145.681,699	13,961	13,492	83	75	27.875	101,474	453,301	4,467	3,998
34	26	97.196	9.740,953	135.247,161	13,884	13,415	84	76	24.385	82,964	351,827	4,241	3,771
35	27	97.076	9.092,453	125.506,208	13,803	13,334	85	77	21.068	66,990	268,863	4,013	3,544
36	28	96.946	8.486,253	116.413,755	13,718	13,248	86	78	18.014	53,532	201,873	3,771	3,302
37	29	96.808	7.919,773	107.927,502	13,628	13,158	87	79	15.049	41,794	148,342	3,549	3,080
38	30	96.663	7.390,551	100.007,729	13,532	13,062	88	80	12.251	31,798	106,548	3,351	2,881
39	31	96.498	6.895,281	92.617,178	13,432	12,962	89	81	9.725	23,591	74,750	3,169	2,699
40	32	96.315	6.431,957	85.721,897	13,327	12,858	90	82	7.532	17,076	51,159	2,996	2,527
41	33	96.115	5.998,689	79.289,940	13,218	12,748	91	83	5.678	12,031	34,083	2,833	2,363
42	34	95.894	5.593,365	73.291,251	13,103	12,634	92	84	4.150	8,218	22,052	2,683	2,214
43	35	95.638	5.213,470	67.697,886	12,985	12,516	93	85	2.939	5,439	13,834	2,543	2,074
44	36	95.352	4.857,851	62.484,416	12,863	12,393	94	86	2.019	3,492	8,395	2,404	1,934
45	37	95.043	4.525,307	57.626,565	12,734	12,265	95	87	1.333	2,155	4,902	2,275	1,806
46	38	94.692	4.213,660	53.101,258	12,602	12,133	96	88	841	1,271	2,748	2,162	1,693
47	39	94.305	3.921,888	48.887,597	12,465	11,996	97	89	509	0,718	1,477	2,056	1,586
48	40	93.876	3.648,656	44.965,709	12,324	11,854	98	90	293	0,387	0,759	1,959	1,489
49	41	93.411	3.393,083	41.317,053	12,177	11,707	99	91	161	0,199	0,371	1,865	1,396
							100	92	84	0,096	0,172	1,787	1,317

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 9 Jahre

Zinsfuß 7,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	41	92.992	3.156,873	38.056,349	12,055	11,586
1							51	42	92.440	2.932,827	34.899,476	11,900	11,430
2							52	43	91.857	2.723,693	31.966,649	11,737	11,267
3							53	44	91.200	2.527,293	29.242,956	11,571	11,101
4							54	45	90.501	2.343,843	26.715,663	11,398	10,929
5							55	46	89.744	2.172,183	24.371,820	11,220	10,750
6							56	47	88.912	2.011,263	22.199,637	11,038	10,568
7							57	48	88.044	1.861,338	20.188,374	10,846	10,377
8							58	49	87.097	1.720,860	18.327,036	10,650	10,180
9	0	99.403	54.068,498	804.343,947	14,876	14,407	59	50	86.060	1.589,120	16.606,176	10,450	9,980
10	1	99.016	50.334,732	750.275,448	14,906	14,436	60	51	84.940	1.465,835	15.017,056	10,245	9,775
11	2	98.971	47.020,539	699.940,717	14,886	14,416	61	52	83.750	1.350,754	13.551,221	10,032	9,563
12	3	98.937	43.929,393	652.920,178	14,863	14,393	62	53	82.494	1.243,454	12.200,467	9,812	9,342
13	4	98.908	41.043,100	608.990,784	14,838	14,368	63	54	81.126	1.142,833	10.957,014	9,588	9,118
14	5	98.882	38.348,110	567.947,684	14,810	14,341	64	55	79.676	1.048,972	9.814,181	9,356	8,886
15	6	98.851	35.828,059	529.599,574	14,782	14,312	65	56	78.121	961,222	8.765,209	9,119	8,649
16	7	98.818	33.473,184	493.771,514	14,751	14,282	66	57	76.445	879,063	7.803,986	8,878	8,408
17	8	98.772	31.268,645	460.298,330	14,721	14,251	67	58	74.648	802,237	6.924,924	8,632	8,163
18	9	98.712	29.205,417	429.029,685	14,690	14,221	68	59	72.697	730,161	6.122,687	8,385	7,916
19	10	98.631	27.272,316	399.824,269	14,660	14,191	69	60	70.617	662,875	5.392,525	8,135	7,666
20	11	98.543	25.465,476	372.551,952	14,630	14,160	70	61	68.420	600,234	4.729,650	7,880	7,410
21	12	98.459	23.779,186	347.086,476	14,596	14,127	71	62	66.095	541,902	4.129,417	7,620	7,151
22	13	98.374	22.204,227	323.307,290	14,561	14,091	72	63	63.611	487,415	3.587,515	7,360	6,891
23	14	98.290	20.733,959	301.103,062	14,522	14,053	73	64	60.954	436,502	3.100,100	7,102	6,633
24	15	98.206	19.360,913	280.369,103	14,481	14,012	74	65	58.161	389,256	2.663,598	6,843	6,373
25	16	98.117	18.077,952	261.008,190	14,438	13,968	75	66	55.237	345,501	2.274,342	6,583	6,113
26	17	98.024	16.879,348	242.930,238	14,392	13,923	76	67	52.206	305,179	1.928,841	6,320	5,851
27	18	97.933	15.760,342	226.050,890	14,343	13,874	77	68	49.098	268,232	1.623,662	6,053	5,584
28	19	97.834	14.714,525	210.290,548	14,291	13,822	78	69	45.879	234,252	1.355,431	5,786	5,317
29	20	97.735	13.737,975	195.576,023	14,236	13,767	79	70	42.545	203,014	1.121,179	5,523	5,053
30	21	97.636	12.826,146	181.838,048	14,177	13,708	80	71	39.147	174,581	918,165	5,259	4,790
31	22	97.541	11.975,364	169.011,902	14,113	13,644	81	72	35.650	148,585	743,584	5,004	4,535
32	23	97.437	11.180,064	157.036,538	14,046	13,577	82	73	32.133	125,165	594,999	4,754	4,284
33	24	97.332	10.437,374	145.856,474	13,974	13,505	83	74	28.524	103,837	469,834	4,525	4,055
34	25	97.220	9.743,350	135.419,101	13,899	13,429	84	75	25.034	85,172	365,996	4,297	3,828
35	26	97.104	9.094,999	125.675,751	13,818	13,349	85	76	21.696	68,987	280,824	4,071	3,601
36	27	96.975	8.488,727	116.580,751	13,734	13,264	86	77	18.620	55,332	211,837	3,828	3,359
37	28	96.837	7.922,125	108.092,025	13,644	13,175	87	78	15.628	43,403	156,505	3,606	3,136
38	29	96.691	7.392,715	100.169,900	13,550	13,080	88	79	12.789	33,194	113,103	3,407	2,938
39	30	96.530	6.897,539	92.777,185	13,451	12,981	89	80	10.223	24,799	79,909	3,222	2,753
40	31	96.349	6.434,256	85.879,646	13,347	12,878	90	81	7.977	18,084	55,110	3,047	2,578
41	32	96.149	6.000,823	79.445,390	13,239	12,770	91	82	6.071	12,862	37,026	2,879	2,409
42	33	95.932	5.595,601	73.444,567	13,125	12,656	92	83	4.471	8,852	24,164	2,730	2,260
43	34	95.683	5.215,915	67.848,966	13,008	12,539	93	84	3.196	5,915	15,311	2,589	2,119
44	35	95.401	4.860,340	62.633,051	12,887	12,417	94	85	2.211	3,824	9,397	2,457	1,987
45	36	95.096	4.527,868	57.772,712	12,759	12,290	95	86	1.482	2,396	5,572	2,326	1,856
46	37	94.750	4.216,246	53.244,844	12,628	12,159	96	87	954	1,441	3,176	2,205	1,735
47	38	94.371	3.924,633	49.028,598	12,493	12,023	97	88	586	0,827	1,735	2,098	1,629
48	39	93.951	3.651,578	45.103,965	12,352	11,882	98	89	345	0,455	0,908	1,998	1,528
49	40	93.493	3.396,038	41.452,387	12,206	11,737	99	90	193	0,238	0,454	1,907	1,437
							100	91	103	0,119	0,216	1,818	1,349

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 10 Jahre

Zinsfuß 7,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	40	93.073	3.159,622	38.177,564	12,083	11,613
1							51	41	92.531	2.935,729	35.017,942	11,928	11,459
2							52	42	91.961	2.726,759	32.082,213	11,766	11,296
3							53	43	91.319	2.530,578	29.355,454	11,600	11,131
4							54	44	90.627	2.347,110	26.824,876	11,429	10,959
5							55	45	89.886	2.175,634	24.477,766	11,251	10,781
6							56	46	89.072	2.014,882	22.302,132	11,069	10,599
7							57	47	88.216	1.864,965	20.287,251	10,878	10,409
8							58	48	87.282	1.724,516	18.422,286	10,683	10,213
9							59	49	86.267	1.592,954	16.697,770	10,482	10,013
10	0	99.393	50.526,578	750.719,459	14,858	14,388	60	50	85.155	1.469,548	15.104,816	10,279	9,809
11	1	99.007	47.037,385	700.192,881	14,886	14,416	61	51	83.984	1.354,516	13.635,269	10,067	9,597
12	2	98.957	43.938,080	653.155,495	14,865	14,396	62	52	82.744	1.247,224	12.280,753	9,846	9,377
13	3	98.924	41.050,146	609.217,415	14,841	14,371	63	53	81.383	1.146,453	11.033,529	9,624	9,155
14	4	98.895	38.353,064	568.167,269	14,814	14,345	64	54	79.954	1.052,633	9.887,076	9,393	8,923
15	5	98.864	35.832,744	529.814,205	14,786	14,316	65	55	78.418	964,876	8.834,442	9,156	8,687
16	6	98.827	33.476,269	493.981,461	14,756	14,287	66	56	76.753	882,606	7.869,566	8,916	8,447
17	7	98.780	31.271,368	460.505,192	14,726	14,257	67	57	74.982	805,834	6.986,960	8,670	8,201
18	8	98.722	29.208,220	429.233,824	14,696	14,226	68	58	73.049	733,695	6.181,126	8,425	7,955
19	9	98.637	27.274,079	400.025,604	14,667	14,197	69	59	70.978	666,262	5.447,432	8,176	7,707
20	10	98.552	25.467,618	372.751,525	14,636	14,167	70	60	68.799	603,556	4.781,170	7,922	7,452
21	11	98.468	23.781,417	347.283,907	14,603	14,134	71	61	66.469	544,968	4.177,614	7,666	7,196
22	12	98.382	22.206,113	323.502,491	14,568	14,099	72	62	64.014	490,502	3.632,646	7,406	6,936
23	13	98.299	20.735,969	301.296,377	14,530	14,061	73	63	61.371	439,491	3.142,144	7,150	6,680
24	14	98.217	19.363,169	280.560,409	14,489	14,020	74	64	58.590	392,124	2.702,653	6,892	6,423
25	15	98.134	18.081,182	261.197,240	14,446	13,976	75	65	55.692	348,346	2.310,529	6,633	6,163
26	16	98.045	16.882,924	243.116,057	14,400	13,931	76	66	52.683	307,968	1.962,183	6,371	5,902
27	17	97.954	15.763,810	226.233,133	14,351	13,882	77	67	49.602	270,986	1.654,215	6,104	5,635
28	18	97.863	14.718,758	210.469,323	14,299	13,830	78	68	46.410	236,962	1.383,229	5,837	5,368
29	19	97.763	13.741,784	195.750,565	14,245	13,775	79	69	43.094	205,638	1.146,266	5,574	5,105
30	20	97.667	12.830,198	182.008,781	14,186	13,716	80	70	39.711	177,098	940,629	5,311	4,842
31	21	97.565	11.978,295	169.178,583	14,124	13,654	81	71	36.238	151,034	763,531	5,055	4,586
32	22	97.464	11.183,091	157.200,288	14,057	13,587	82	72	32.723	127,463	612,497	4,805	4,336
33	23	97.357	10.440,097	146.017,196	13,986	13,517	83	73	29.117	105,997	485,034	4,576	4,106
34	24	97.247	9.745,998	135.577,099	13,911	13,442	84	74	25.617	87,156	379,037	4,349	3,879
35	25	97.127	9.097,238	125.831,101	13,832	13,362	85	75	22.274	70,823	291,881	4,121	3,652
36	26	97.002	8.491,104	116.733,863	13,748	13,278	86	76	19.175	56,981	221,058	3,879	3,410
37	27	96.865	7.924,434	108.242,759	13,659	13,190	87	77	16.154	44,862	164,077	3,657	3,188
38	28	96.720	7.394,910	100.318,325	13,566	13,096	88	78	13.281	34,472	119,215	3,458	2,989
39	29	96.558	6.899,559	92.923,415	13,468	12,999	89	79	10.672	25,888	84,743	3,273	2,804
40	30	96.381	6.436,363	86.023,856	13,365	12,896	90	80	8.385	19,010	58,855	3,096	2,627
41	31	96.184	6.002,967	79.587,493	13,258	12,789	91	81	6.429	13,622	39,845	2,925	2,456
42	32	95.967	5.597,592	73.584,527	13,146	12,676	92	82	4.780	9,464	26,224	2,771	2,301
43	33	95.721	5.218,000	67.986,935	13,029	12,560	93	83	3.443	6,371	16,760	2,631	2,161
44	34	95.446	4.862,619	62.768,935	12,908	12,439	94	84	2.405	4,159	10,389	2,498	2,029
45	35	95.145	4.530,187	57.906,316	12,782	12,313	95	85	1.623	2,624	6,230	2,374	1,905
46	36	94.804	4.218,631	53.376,129	12,652	12,183	96	86	1.061	1,602	3,606	2,251	1,781
47	37	94.428	3.927,042	49.157,498	12,518	12,048	97	87	664	0,938	2,004	2,137	1,667
48	38	94.017	3.654,135	45.230,456	12,378	11,908	98	88	397	0,523	1,066	2,037	1,567
49	39	93.568	3.398,758	41.576,322	12,233	11,763	99	89	227	0,279	0,543	1,942	1,473
							100	90	123	0,142	0,263	1,856	1,387

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 11 Jahre

Zinsfuß 7,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	39	93.148	3.162,152	38.288,550	12,108	11,639
1							51	40	92.612	2.938,285	35.126,397	11,955	11,485
2							52	41	92.052	2.729,457	32.188,112	11,793	11,323
3							53	42	91.422	2.533,427	29.458,655	11,628	11,158
4							54	43	90.745	2.350,161	26.925,228	11,457	10,987
5							55	44	90.012	2.178,666	24.575,067	11,280	10,810
6							56	45	89.213	2.018,082	22.396,401	11,098	10,628
7							57	46	88.374	1.868,320	20.378,319	10,907	10,438
8							58	47	87.452	1.727,876	18.509,998	10,713	10,243
9							59	48	86.451	1.596,338	16.782,122	10,513	10,043
10							60	49	85.360	1.473,093	15.185,785	10,309	9,839
11	0	99.384	47.216,664	700.602,875	14,838	14,369	61	50	84.196	1.357,947	13.712,692	10,098	9,629
12	1	98.992	43.953,822	653.386,211	14,865	14,396	62	51	82.975	1.250,698	12.354,745	9,878	9,409
13	2	98.944	41.058,264	609.432,389	14,843	14,374	63	52	81.630	1.149,929	11.104,047	9,656	9,187
14	3	98.912	38.359,648	568.374,125	14,817	14,347	64	53	80.207	1.055,968	9.954,118	9,427	8,957
15	4	98.876	35.837,372	530.014,477	14,789	14,320	65	54	78.692	968,244	8.898,150	9,190	8,720
16	5	98.840	33.480,646	494.177,105	14,760	14,291	66	55	77.045	885,961	7.929,906	8,951	8,481
17	6	98.790	31.274,250	460.696,459	14,731	14,261	67	56	75.285	809,082	7.043,945	8,706	8,237
18	7	98.730	29.210,764	429.422,209	14,701	14,231	68	57	73.376	736,984	6.234,863	8,460	7,990
19	8	98.647	27.276,697	400.211,445	14,672	14,203	69	58	71.322	669,486	5.497,879	8,212	7,743
20	9	98.558	25.469,264	372.934,748	14,643	14,173	70	59	69.151	606,640	4.828,393	7,959	7,490
21	10	98.477	23.783,417	347.465,484	14,610	14,140	71	60	66.837	547,985	4.221,753	7,704	7,235
22	11	98.391	22.208,196	323.682,067	14,575	14,105	72	61	64.376	493,278	3.673,769	7,448	6,978
23	12	98.308	20.737,730	301.473,871	14,537	14,068	73	62	61.760	442,274	3.180,491	7,191	6,722
24	13	98.227	19.365,046	280.736,142	14,497	14,028	74	63	58.991	394,809	2.738,217	6,936	6,466
25	14	98.146	18.083,290	261.371,096	14,454	13,984	75	64	56.102	350,912	2.343,408	6,678	6,209
26	15	98.063	16.885,941	243.287,806	14,408	13,938	76	65	53.117	310,505	1.992,496	6,417	5,947
27	16	97.975	15.767,149	226.401,866	14,359	13,890	77	66	50.055	273,463	1.681,991	6,151	5,681
28	17	97.884	14.721,997	210.634,716	14,307	13,838	78	67	46.887	239,396	1.408,529	5,884	5,414
29	18	97.791	13.745,737	195.912,719	14,253	13,783	79	68	43.593	208,017	1.169,133	5,620	5,151
30	19	97.694	12.833,756	182.166,982	14,194	13,725	80	69	40.225	179,386	961,116	5,358	4,888
31	20	97.595	11.982,080	169.333,226	14,132	13,663	81	70	36.760	153,211	781,730	5,102	4,633
32	21	97.488	11.185,828	157.351,146	14,067	13,597	82	71	33.262	129,564	628,518	4,851	4,382
33	22	97.384	10.442,925	146.165,318	13,997	13,527	83	72	29.652	107,943	498,955	4,622	4,153
34	23	97.272	9.748,541	135.722,394	13,922	13,453	84	73	26.150	88,968	391,012	4,395	3,925
35	24	97.154	9.099,710	125.973,852	13,844	13,374	85	74	22.793	72,473	302,043	4,168	3,698
36	25	97.026	8.493,194	116.874,142	13,761	13,291	86	75	19.686	58,498	229,571	3,924	3,455
37	26	96.892	7.926,653	108.380,948	13,673	13,203	87	76	16.635	46,199	171,072	3,703	3,233
38	27	96.748	7.397,066	100.454,295	13,580	13,111	88	77	13.728	35,631	124,873	3,505	3,035
39	28	96.587	6.901,607	93.057,229	13,483	13,014	89	78	11.083	26,885	89,242	3,319	2,850
40	29	96.409	6.438,247	86.155,622	13,382	12,912	90	79	8.753	19,844	62,358	3,142	2,673
41	30	96.215	6.004,933	79.717,374	13,275	12,806	91	80	6.758	14,319	42,513	2,969	2,499
42	31	96.001	5.599,592	73.712,441	13,164	12,694	92	81	5.062	10,023	28,194	2,813	2,343
43	32	95.755	5.219,856	68.112,850	13,049	12,579	93	82	3.681	6,811	18,171	2,668	2,198
44	33	95.484	4.864,563	62.892,994	12,929	12,459	94	83	2.590	4,480	11,360	2,536	2,066
45	34	95.190	4.532,312	58.028,431	12,803	12,334	95	84	1.765	2,853	6,880	2,411	1,942
46	35	94.852	4.220,792	53.496,119	12,674	12,205	96	85	1.161	1,755	4,027	2,295	1,826
47	36	94.482	3.929,263	49.275,327	12,541	12,071	97	86	739	1,043	2,272	2,179	1,710
48	37	94.075	3.656,377	45.346,064	12,402	11,932	98	87	450	0,593	1,230	2,072	1,603
49	38	93.633	3.401,137	41.689,687	12,258	11,788	99	88	261	0,322	0,636	1,978	1,508
							100	89	144	0,167	0,315	1,889	1,420

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 12 Jahre

Zinsfuß 7,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	38	93.213	3.164,366	38.390,054	12,132	11,662
1							51	39	92.686	2.940,638	35.225,688	11,979	11,509
2							52	40	92.132	2.731,834	32.285,049	11,818	11,349
3							53	41	91.512	2.535,934	29.553,215	11,654	11,184
4							54	42	90.847	2.352,807	27.017,281	11,483	11,013
5							55	43	90.129	2.181,498	24.664,475	11,306	10,837
6							56	44	89.338	2.020,895	22.482,977	11,125	10,656
7							57	45	88.515	1.871,288	20.462,081	10,935	10,465
8							58	46	87.610	1.730,985	18.590,793	10,740	10,270
9							59	47	86.619	1.599,448	16.859,808	10,541	10,072
10							60	48	85.542	1.476,223	15.260,360	10,337	9,868
11							61	49	84.399	1.361,223	13.784,138	10,126	9,657
12	0	99.370	44.121,348	653.764,811	14,817	14,348	62	50	83.185	1.253,866	12.422,915	9,908	9,438
13	1	98.980	41.072,974	609.643,463	14,843	14,373	63	51	81.857	1.153,132	11.169,049	9,686	9,216
14	2	98.931	38.367,234	568.570,489	14,819	14,350	64	52	80.450	1.059,170	10.015,917	9,456	8,987
15	3	98.893	35.843,525	530.203,255	14,792	14,323	65	53	78.941	971,311	8.956,747	9,221	8,752
16	4	98.853	33.484,971	494.359,731	14,764	14,294	66	54	77.314	889,053	7.985,436	8,982	8,512
17	5	98.802	31.278,339	460.874,760	14,735	14,265	67	55	75.571	812,157	7.096,383	8,738	8,268
18	6	98.740	29.213,456	429.596,421	14,705	14,236	68	56	73.672	739,954	6.284,226	8,493	8,023
19	7	98.656	27.279,073	400.382,965	14,677	14,208	69	57	71.642	672,487	5.544,271	8,244	7,775
20	8	98.567	25.471,709	373.103,892	14,648	14,178	70	58	69.485	609,575	4.871,784	7,992	7,523
21	9	98.483	23.784,953	347.632,184	14,616	14,146	71	59	67.178	550,785	4.262,208	7,738	7,269
22	10	98.400	22.210,064	323.847,230	14,581	14,112	72	60	64.732	496,008	3.711,424	7,483	7,013
23	11	98.317	20.739,675	301.637,167	14,544	14,074	73	61	62.110	444,777	3.215,416	7,229	6,760
24	12	98.235	19.366,690	280.897,492	14,504	14,035	74	62	59.365	397,309	2.770,639	6,974	6,504
25	13	98.155	18.085,042	261.530,802	14,461	13,992	75	63	56.487	353,315	2.373,329	6,717	6,248
26	14	98.074	16.887,909	243.445,760	14,415	13,946	76	64	53.508	312,792	2.020,014	6,458	5,989
27	15	97.992	15.769,967	226.557,851	14,366	13,897	77	65	50.467	275,715	1.707,222	6,192	5,722
28	16	97.905	14.725,115	210.787,884	14,315	13,845	78	66	47.315	241,584	1.431,508	5,926	5,456
29	17	97.812	13.748,762	196.062,769	14,260	13,791	79	67	44.041	210,153	1.189,924	5,662	5,193
30	18	97.722	12.837,448	182.314,006	14,202	13,732	80	68	40.690	181,462	979,771	5,399	4,930
31	19	97.622	11.985,402	169.476,558	14,140	13,671	81	69	37.235	155,191	798,309	5,144	4,675
32	20	97.518	11.189,362	157.491,156	14,075	13,606	82	70	33.742	131,432	643,118	4,893	4,424
33	21	97.408	10.445,480	146.301,794	14,006	13,537	83	71	30.140	109,722	511,686	4,663	4,194
34	22	97.298	9.751,181	135.856,314	13,932	13,463	84	72	26.630	90,602	401,964	4,437	3,967
35	23	97.179	9.102,085	126.105,132	13,855	13,385	85	73	23.267	73,980	311,362	4,209	3,739
36	24	97.052	8.495,502	117.003,047	13,772	13,303	86	74	20.144	59,861	237,383	3,966	3,496
37	25	96.916	7.928,604	108.507,545	13,686	13,216	87	75	17.078	47,429	177,522	3,743	3,273
38	26	96.775	7.399,137	100.578,941	13,593	13,124	88	76	14.137	36,693	130,093	3,545	3,076
39	27	96.615	6.903,619	93.179,804	13,497	13,028	89	77	11.456	27,789	93,400	3,361	2,892
40	28	96.438	6.440,159	86.276,185	13,397	12,927	90	78	9.090	20,608	65,611	3,184	2,714
41	29	96.243	6.006,691	79.836,026	13,291	12,822	91	79	7.055	14,948	45,003	3,011	2,541
42	30	96.032	5.601,426	73.829,334	13,180	12,711	92	80	5.321	10,536	30,055	2,853	2,383
43	31	95.789	5.221,721	68.227,909	13,066	12,597	93	81	3.898	7,213	19,519	2,706	2,236
44	32	95.518	4.866,293	63.006,188	12,947	12,478	94	82	2.769	4,789	12,305	2,569	2,100
45	33	95.228	4.534,124	58.139,894	12,823	12,353	95	83	1.901	3,073	7,516	2,446	1,976
46	34	94.897	4.222,772	53.605,771	12,694	12,225	96	84	1.263	1,908	4,443	2,329	1,859
47	35	94.530	3.931,276	49.382,999	12,562	12,092	97	85	809	1,142	2,535	2,220	1,750
48	36	94.128	3.658,445	45.451,723	12,424	11,954	98	86	500	0,660	1,393	2,111	1,641
49	37	93.691	3.403,224	41.793,278	12,280	11,811	99	87	296	0,365	0,733	2,010	1,541
							100	88	166	0,192	0,368	1,922	1,452

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 13 Jahre

Zinsfuß 7,00%

Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	37	93.270	3.166,308	38.482,791	12,154	11,684
1							51	38	92.751	2.942,697	35.316,483	12,001	11,532
2							52	39	92.206	2.734,022	32.373,787	11,841	11,372
3							53	40	91.592	2.538,142	29.639,765	11,678	11,208
4							54	41	90.937	2.355,135	27.101,622	11,507	11,038
5							55	42	90.230	2.183,954	24.746,488	11,331	10,862
6							56	43	89.454	2.023,522	22.562,534	11,150	10,681
7							57	44	88.638	1.873,896	20.539,011	10,961	10,491
8							58	45	87.749	1.733,735	18.665,115	10,766	10,296
9							59	46	86.775	1.602,326	16.931,380	10,567	10,097
10							60	47	85.709	1.479,099	15.329,055	10,364	9,894
11							61	48	84.579	1.364,115	13.849,956	10,153	9,684
12							62	49	83.386	1.256,891	12.485,841	9,934	9,464
13	0	99.357	41.229,520	609.993,101	14,795	14,326	63	50	82.065	1.156,053	11.228,950	9,713	9,244
14	1	98.967	38.380,980	568.763,582	14,819	14,349	64	51	80.674	1.062,120	10.072,897	9,484	9,014
15	2	98.913	35.850,613	530.382,602	14,794	14,325	65	52	79.181	974,256	9.010,778	9,249	8,779
16	3	98.870	33.490,719	494.531,989	14,766	14,297	66	53	77.559	891,869	8.036,521	9,011	8,541
17	4	98.815	31.282,379	461.041,270	14,738	14,269	67	54	75.834	814,992	7.144,652	8,767	8,297
18	5	98.752	29.217,276	429.758,891	14,709	14,240	68	55	73.952	742,767	6.329,660	8,522	8,052
19	6	98.665	27.281,587	400.541,616	14,682	14,212	69	56	71.930	675,198	5.586,893	8,274	7,805
20	7	98.576	25.473,927	373.260,029	14,653	14,183	70	57	69.797	612,308	4.911,694	8,022	7,552
21	8	98.493	23.787,237	347.786,102	14,621	14,151	71	58	67.504	553,450	4.299,386	7,768	7,299
22	9	98.406	22.211,499	323.998,865	14,587	14,117	72	59	65.063	498,542	3.745,936	7,514	7,044
23	10	98.325	20.741,419	301.787,366	14,550	14,080	73	60	62.453	447,239	3.247,394	7,261	6,791
24	11	98.244	19.368,507	281.045,947	14,510	14,041	74	61	59.701	399,558	2.800,155	7,008	6,539
25	12	98.164	18.086,578	261.677,440	14,468	13,999	75	62	56.844	355,553	2.400,598	6,752	6,282
26	13	98.084	16.889,545	243.590,862	14,423	13,953	76	63	53.875	314,934	2.045,045	6,494	6,024
27	14	98.004	15.771,805	226.701,317	14,374	13,904	77	64	50.839	277,746	1.730,111	6,229	5,760
28	15	97.922	14.727,747	210.929,513	14,322	13,852	78	65	47.705	243,573	1.452,365	5,963	5,493
29	16	97.833	13.751,675	196.201,766	14,267	13,798	79	66	44.443	212,074	1.208,792	5,700	5,230
30	17	97.743	12.840,273	182.450,091	14,209	13,740	80	67	41.108	183,325	996,719	5,437	4,967
31	18	97.651	11.988,850	169.609,818	14,147	13,678	81	68	37.666	156,987	813,393	5,181	4,712
32	19	97.545	11.192,465	157.620,968	14,083	13,613	82	69	34.178	133,130	656,406	4,931	4,461
33	20	97.438	10.448,781	146.428,503	14,014	13,544	83	70	30.575	111,304	523,276	4,701	4,232
34	21	97.322	9.753,568	135.979,723	13,942	13,472	84	71	27.069	92,095	411,972	4,473	4,004
35	22	97.205	9.104,550	126.226,155	13,864	13,395	85	72	23.694	75,338	319,877	4,246	3,776
36	23	97.077	8.497,719	117.121,605	13,783	13,313	86	73	20.563	61,106	244,539	4,002	3,532
37	24	96.943	7.930,759	108.623,886	13,697	13,227	87	74	17.476	48,534	183,434	3,779	3,310
38	25	96.799	7.400,958	100.693,127	13,605	13,136	88	75	14.513	37,670	134,900	3,581	3,112
39	26	96.642	6.905,553	93.292,169	13,510	13,040	89	76	11.797	28,617	97,230	3,398	2,928
40	27	96.466	6.442,036	86.386,616	13,410	12,940	90	77	9.396	21,301	68,613	3,221	2,752
41	28	96.272	6.008,475	79.944,580	13,305	12,836	91	78	7.327	15,523	47,312	3,048	2,578
42	29	96.060	5.603,066	73.936,105	13,196	12,726	92	79	5.555	10,999	31,788	2,890	2,421
43	30	95.820	5.223,431	68.333,039	13,082	12,613	93	80	4.098	7,583	20,790	2,742	2,272
44	31	95.552	4.868,032	63.109,608	12,964	12,495	94	81	2.933	5,072	13,207	2,604	2,134
45	32	95.262	4.535,736	58.241,576	12,841	12,371	95	82	2.033	3,286	8,135	2,476	2,006
46	33	94.935	4.224,460	53.705,839	12,713	12,244	96	83	1.360	2,055	4,849	2,360	1,890
47	34	94.575	3.933,120	49.481,380	12,581	12,111	97	84	880	1,242	2,794	2,250	1,781
48	35	94.176	3.660,319	45.548,260	12,444	11,974	98	85	548	0,723	1,552	2,148	1,679
49	36	93.744	3.405,149	41.887,940	12,301	11,832	99	86	329	0,406	0,830	2,046	1,576
							100	87	189	0,217	0,424	1,952	1,482

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 14 Jahre

Zinsfuß 7,00%

Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	36	93.323	3.168,099	38.567,525	12,174	11,704
1							51	37	92.808	2.944,502	35.399,426	12,022	11,553
2							52	38	92.270	2.735,936	32.454,924	11,862	11,393
3							53	39	91.665	2.540,175	29.718,988	11,700	11,230
4							54	40	91.016	2.357,185	27.178,813	11,530	11,061
5							55	41	90.319	2.186,115	24.821,628	11,354	10,885
6							56	42	89.555	2.025,800	22.635,512	11,174	10,704
7							57	43	88.753	1.876,332	20.609,712	10,984	10,515
8							58	44	87.871	1.736,151	18.733,380	10,790	10,321
9							59	45	86.913	1.604,871	16.997,229	10,591	10,122
10							60	46	85.863	1.481,760	15.392,358	10,388	9,918
11							61	47	84.744	1.366,773	13.910,597	10,178	9,708
12							62	48	83.563	1.259,561	12.543,825	9,959	9,489
13							63	49	82.263	1.158,842	11.284,264	9,738	9,268
14	0	99.344	38.527,265	569.086,500	14,771	14,301	64	50	80.879	1.064,810	10.125,422	9,509	9,040
15	1	98.948	35.863,457	530.559,235	14,794	14,324	65	51	79.401	976,970	9.060,612	9,274	8,805
16	2	98.890	33.497,342	494.695,778	14,768	14,299	66	52	77.794	894,574	8.083,642	9,036	8,567
17	3	98.832	31.287,749	461.198,436	14,741	14,271	67	53	76.075	817,574	7.189,069	8,793	8,324
18	4	98.765	29.221,050	429.910,687	14,712	14,243	68	54	74.210	745,360	6.371,495	8,548	8,079
19	5	98.678	27.285,153	400.689,637	14,685	14,216	69	55	72.204	677,765	5.626,135	8,301	7,832
20	6	98.585	25.476,275	373.404,484	14,657	14,187	70	56	70.078	614,776	4.948,370	8,049	7,580
21	7	98.501	23.789,309	347.928,209	14,625	14,156	71	57	67.806	555,931	4.333,594	7,795	7,326
22	8	98.415	22.213,631	324.138,900	14,592	14,122	72	58	65.378	500,955	3.777,663	7,541	7,071
23	9	98.332	20.742,759	301.925,269	14,556	14,086	73	59	62.772	449,524	3.276,708	7,289	6,820
24	10	98.252	19.370,136	281.182,510	14,516	14,047	74	60	60.031	401,769	2.827,184	7,037	6,567
25	11	98.173	18.088,274	261.812,374	14,474	14,005	75	61	57.166	357,565	2.425,415	6,783	6,314
26	12	98.092	16.890,980	243.724,100	14,429	13,960	76	62	54.216	316,928	2.067,850	6,525	6,055
27	13	98.013	15.773,333	226.833,120	14,381	13,911	77	63	51.187	279,648	1.750,922	6,261	5,792
28	14	97.934	14.729,463	211.059,787	14,329	13,860	78	64	48.056	245,367	1.471,274	5,996	5,527
29	15	97.850	13.754,132	196.330,324	14,274	13,805	79	65	44.809	213,820	1.225,907	5,733	5,264
30	16	97.764	12.842,993	182.576,192	14,216	13,747	80	66	41.484	185,001	1.012,087	5,471	5,001
31	17	97.672	11.991,488	169.733,199	14,154	13,685	81	67	38.053	158,599	827,086	5,215	4,745
32	18	97.573	11.195,685	157.741,711	14,090	13,620	82	68	34.573	134,671	668,487	4,964	4,494
33	19	97.465	10.451,678	146.546,026	14,021	13,552	83	69	30.970	112,742	533,816	4,735	4,265
34	20	97.353	9.756,650	136.094,348	13,949	13,479	84	70	27.459	93,423	421,074	4,507	4,038
35	21	97.229	9.106,778	126.337,699	13,873	13,403	85	71	24.084	76,580	327,651	4,279	3,809
36	22	97.104	8.500,020	117.230,921	13,792	13,322	86	72	20.940	62,227	251,071	4,035	3,565
37	23	96.968	7.932,829	108.730,900	13,706	13,237	87	73	17.839	49,543	188,844	3,812	3,342
38	24	96.825	7.402,969	100.798,072	13,616	13,146	88	74	14.851	38,547	139,301	3,614	3,144
39	25	96.666	6.907,252	93.395,102	13,521	13,052	89	75	12.111	29,379	100,754	3,429	2,960
40	26	96.493	6.443,840	86.487,850	13,422	12,952	90	76	9.676	21,936	71,375	3,254	2,784
41	27	96.300	6.010,226	80.044,010	13,318	12,848	91	77	7.573	16,045	49,439	3,081	2,612
42	28	96.089	5.604,729	74.033,783	13,209	12,740	92	78	5.768	11,422	33,393	2,924	2,454
43	29	95.849	5.224,961	68.429,054	13,097	12,627	93	79	4.277	7,916	21,971	2,776	2,306
44	30	95.583	4.869,627	63.204,093	12,979	12,510	94	80	3.083	5,332	14,056	2,636	2,167
45	31	95.296	4.537,357	58.334,466	12,856	12,387	95	81	2.153	3,480	8,724	2,507	2,038
46	32	94.968	4.225,962	53.797,109	12,730	12,261	96	82	1.454	2,197	5,244	2,387	1,917
47	33	94.612	3.934,692	49.571,147	12,598	12,129	97	83	947	1,338	3,047	2,278	1,808
48	34	94.220	3.662,036	45.636,455	12,462	11,993	98	84	596	0,786	1,709	2,175	1,706
49	35	93.792	3.406,894	41.974,419	12,320	11,851	99	85	360	0,444	0,924	2,080	1,610
							100	86	210	0,242	0,480	1,984	1,515

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 15 Jahre

Zinsfuß 7,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	35	93.371	3.169,722	38.644,925	12,192	11,722
1							51	36	92.860	2.946,168	35.475,203	12,041	11,572
2							52	37	92.327	2.737,614	32.529,035	11,882	11,413
3							53	38	91.729	2.541,953	29.791,420	11,720	11,250
4							54	39	91.089	2.359,073	27.249,467	11,551	11,081
5							55	40	90.398	2.188,019	24.890,394	11,376	10,906
6							56	41	89.643	2.027,805	22.702,375	11,196	10,726
7							57	42	88.853	1.878,445	20.674,570	11,006	10,537
8							58	43	87.985	1.738,408	18.796,126	10,812	10,343
9							59	44	87.034	1.607,108	17.057,718	10,614	10,144
10							60	45	85.999	1.484,114	15.450,610	10,411	9,941
11							61	46	84.896	1.369,232	13.966,496	10,200	9,731
12							62	47	83.726	1.262,015	12.597,264	9,982	9,512
13							63	48	82.437	1.161,304	11.335,249	9,761	9,291
14							64	49	81.074	1.067,379	10.173,945	9,532	9,062
15	0	99.326	36.000,147	530.857,494	14,746	14,276	65	50	79.602	979,444	9.106,566	9,298	8,828
16	1	98.925	33.509,343	494.857,347	14,768	14,298	66	51	78.011	897,065	8.127,122	9,060	8,590
17	2	98.852	31.293,936	461.348,004	14,742	14,273	67	52	76.305	820,053	7.230,057	8,817	8,347
18	3	98.782	29.226,066	430.054,067	14,715	14,245	68	53	74.445	747,721	6.410,004	8,573	8,103
19	4	98.690	27.288,678	400.828,001	14,688	14,219	69	54	72.456	680,130	5.662,283	8,325	7,856
20	5	98.598	25.479,605	373.539,323	14,660	14,191	70	55	70.344	617,113	4.982,153	8,073	7,604
21	6	98.510	23.791,501	348.059,718	14,630	14,160	71	56	68.079	558,172	4.365,039	7,820	7,351
22	7	98.424	22.215,566	324.268,217	14,596	14,127	72	57	65.671	503,200	3.806,867	7,565	7,096
23	8	98.341	20.744,751	302.052,651	14,560	14,091	73	58	63.076	451,699	3.303,667	7,314	6,844
24	9	98.259	19.371,387	281.307,900	14,522	14,052	74	59	60.338	403,822	2.851,968	7,062	6,593
25	10	98.181	18.089,795	261.936,513	14,480	14,010	75	60	57.482	359,544	2.448,145	6,809	6,340
26	11	98.101	16.892,564	243.846,717	14,435	13,966	76	61	54.523	318,722	2.088,602	6,553	6,084
27	12	98.022	15.774,673	226.954,153	14,387	13,918	77	62	51.511	281,419	1.769,880	6,289	5,820
28	13	97.943	14.730,890	211.179,481	14,336	13,866	78	63	48.386	247,048	1.488,461	6,025	5,555
29	14	97.862	13.755,735	196.448,590	14,281	13,812	79	64	45.139	215,395	1.241,413	5,763	5,294
30	15	97.782	12.845,288	182.692,856	14,223	13,753	80	65	41.825	186,524	1.026,018	5,501	5,031
31	16	97.693	11.994,028	169.847,567	14,161	13,691	81	66	38.401	160,049	839,494	5,245	4,776
32	17	97.595	11.198,149	157.853,539	14,096	13,627	82	67	34.928	136,054	679,445	4,994	4,524
33	18	97.493	10.454,685	146.655,391	14,028	13,558	83	68	31.328	114,047	543,392	4,765	4,295
34	19	97.380	9.759,355	136.200,706	13,956	13,486	84	69	27.814	94,630	429,345	4,537	4,068
35	20	97.260	9.109,655	126.441,351	13,880	13,410	85	70	24.432	77,684	334,715	4,309	3,839
36	21	97.128	8.502,101	117.331,696	13,800	13,331	86	71	21.286	63,253	257,031	4,064	3,594
37	22	96.994	7.934,977	108.829,595	13,715	13,246	87	72	18.167	50,453	193,778	3,841	3,371
38	23	96.851	7.404,901	100.894,618	13,625	13,156	88	73	15.160	39,349	143,325	3,642	3,173
39	24	96.692	6.909,129	93.489,717	13,531	13,062	89	74	12.393	30,063	103,977	3,459	2,989
40	25	96.517	6.445,426	86.580,588	13,433	12,963	90	75	9.934	22,520	73,914	3,282	2,813
41	26	96.327	6.011,909	80.135,161	13,329	12,860	91	76	7.799	16,524	51,394	3,110	2,641
42	27	96.117	5.606,363	74.123,252	13,221	12,752	92	77	5.962	11,806	34,870	2,954	2,484
43	28	95.877	5.226,512	68.516,888	13,109	12,640	93	78	4.442	8,220	23,064	2,806	2,336
44	29	95.611	4.871,053	63.290,376	12,993	12,524	94	79	3.218	5,566	14,843	2,667	2,197
45	30	95.327	4.538,843	58.419,324	12,871	12,401	95	80	2.263	3,658	9,278	2,536	2,067
46	31	95.002	4.227,472	53.880,481	12,745	12,276	96	81	1.540	2,327	5,620	2,415	1,946
47	32	94.646	3.936,092	49.653,008	12,615	12,145	97	82	1.013	1,430	3,293	2,303	1,833
48	33	94.258	3.663,500	45.716,916	12,479	12,010	98	83	642	0,846	1,863	2,201	1,731
49	34	93.836	3.408,492	42.053,416	12,338	11,868	99	84	392	0,483	1,016	2,105	1,635
							100	85	230	0,265	0,533	2,015	1,546

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 16 Jahre

Zinsfuß 7,00%

Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	34	93.414	3.171,209	38.715,622	12,208	11,739
1							51	35	92.908	2.947,677	35.544,413	12,058	11,589
2							52	36	92.379	2.739,163	32.596,736	11,900	11,431
3							53	37	91.786	2.543,513	29.857,573	11,739	11,269
4							54	38	91.153	2.360,725	27.314,060	11,570	11,101
5							55	39	90.470	2.189,571	24.953,335	11,395	10,926
6							56	40	89.721	2.029,571	22.763,564	11,216	10,746
7							57	41	88.941	1.880,303	20.733,994	11,027	10,557
8							58	42	88.085	1.740,365	18.853,690	10,833	10,364
9							59	43	87.147	1.609,197	17.113,325	10,635	10,165
10							60	44	86.119	1.486,183	15.504,128	10,432	9,963
11							61	45	85.031	1.371,407	14.017,945	10,222	9,752
12							62	46	83.876	1.264,286	12.646,538	10,003	9,533
13							63	47	82.598	1.163,566	11.382,253	9,782	9,313
14							64	48	81.246	1.069,646	10.218,686	9,553	9,084
15							65	49	79.794	981,807	9.149,040	9,319	8,849
16	0	99.302	33.637,061	495.132,846	14,720	14,250	66	50	78.208	899,338	8.167,233	9,081	8,612
17	1	98.887	31.305,148	461.495,785	14,742	14,272	67	51	76.518	822,337	7.267,895	8,838	8,369
18	2	98.802	29.231,846	430.190,637	14,717	14,247	68	52	74.671	749,988	6.445,558	8,594	8,125
19	3	98.707	27.293,363	400.958,792	14,691	14,221	69	53	72.685	682,285	5.695,570	8,348	7,878
20	4	98.611	25.482,897	373.665,429	14,663	14,194	70	54	70.590	619,267	5.013,286	8,096	7,626
21	5	98.523	23.794,611	348.182,532	14,633	14,163	71	55	68.338	560,294	4.394,018	7,842	7,373
22	6	98.433	22.217,613	324.387,921	14,600	14,131	72	56	65.936	505,229	3.833,725	7,588	7,119
23	7	98.350	20.746,557	302.170,307	14,565	14,095	73	57	63.359	453,724	3.328,496	7,336	6,866
24	8	98.268	19.373,247	281.423,750	14,526	14,057	74	58	60.630	405,776	2.874,771	7,085	6,615
25	9	98.187	18.090,964	262.050,503	14,485	14,016	75	59	57.776	361,381	2.468,995	6,832	6,363
26	10	98.109	16.893,984	243.959,539	14,441	13,971	76	60	54.825	320,486	2.107,614	6,576	6,107
27	11	98.031	15.776,152	227.065,554	14,393	13,923	77	61	51.803	283,011	1.787,128	6,315	5,845
28	12	97.952	14.732,142	211.289,402	14,342	13,873	78	62	48.692	248,612	1.504,117	6,050	5,581
29	13	97.871	13.757,068	196.557,261	14,288	13,818	79	63	45.448	216,870	1.255,505	5,789	5,320
30	14	97.793	12.846,785	182.800,193	14,229	13,760	80	64	42.133	187,898	1.038,635	5,528	5,058
31	15	97.710	11.996,172	169.953,408	14,167	13,698	81	65	38.717	161,366	850,736	5,272	4,803
32	16	97.616	11.200,521	157.957,236	14,103	13,633	82	66	35.248	137,297	689,370	5,021	4,551
33	17	97.515	10.456,985	146.756,715	14,034	13,565	83	67	31.650	115,218	552,073	4,792	4,322
34	18	97.408	9.762,162	136.299,730	13,962	13,493	84	68	28.136	95,725	436,855	4,564	4,094
35	19	97.287	9.112,181	126.537,568	13,887	13,417	85	69	24.747	78,688	341,130	4,335	3,866
36	20	97.158	8.504,787	117.425,386	13,807	13,337	86	70	21.592	64,165	262,442	4,090	3,621
37	21	97.018	7.936,919	108.920,600	13,723	13,254	87	71	18.466	51,284	198,277	3,866	3,397
38	22	96.877	7.406,907	100.983,681	13,634	13,164	88	72	15.438	40,071	146,993	3,668	3,199
39	23	96.717	6.910,932	93.576,774	13,540	13,071	89	73	12.651	30,688	106,922	3,484	3,015
40	24	96.543	6.447,178	86.665,841	13,442	12,973	90	74	10.165	23,045	76,234	3,308	2,839
41	25	96.351	6.013,389	80.218,663	13,340	12,870	91	75	8.006	16,964	53,189	3,135	2,666
42	26	96.144	5.607,933	74.205,274	13,232	12,763	92	76	6.140	12,158	36,225	2,980	2,510
43	27	95.905	5.228,036	68.597,341	13,121	12,652	93	77	4.591	8,497	24,067	2,832	2,363
44	28	95.640	4.872,499	63.369,305	13,006	12,536	94	78	3.342	5,780	15,570	2,694	2,224
45	29	95.355	4.540,172	58.496,807	12,884	12,415	95	79	2.362	3,819	9,790	2,564	2,094
46	30	95.034	4.228,857	53.956,634	12,759	12,290	96	80	1.619	2,446	5,972	2,442	1,972
47	31	94.680	3.937,498	49.727,777	12,629	12,160	97	81	1.073	1,514	3,526	2,328	1,859
48	32	94.291	3.664,803	45.790,279	12,495	12,025	98	82	686	0,905	2,012	2,223	1,753
49	33	93.873	3.409,854	42.125,476	12,354	11,885	99	83	422	0,520	1,107	2,127	1,658
							100	84	250	0,288	0,586	2,037	1,568

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 17 Jahre

Zinsfuß 7,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	33	93.452	3.172,476	38.780,100	12,224	11,754
1							51	34	92.951	2.949,060	35.607,624	12,074	11,605
2							52	35	92.427	2.740,566	32.658,564	11,917	11,447
3							53	36	91.837	2.544,952	29.917,998	11,756	11,286
4							54	37	91.209	2.362,173	27.373,046	11,588	11,119
5							55	38	90.534	2.191,304	25.010,873	11,414	10,944
6							56	39	89.793	2.031,196	22.819,569	11,235	10,765
7							57	40	89.019	1.881,940	20.788,372	11,046	10,577
8							58	41	88.172	1.742,087	18.906,432	10,853	10,383
9							59	42	87.245	1.611,009	17.164,345	10,654	10,185
10							60	43	86.231	1.488,114	15.553,336	10,452	9,982
11							61	44	85.149	1.373,319	14.065,222	10,242	9,772
12							62	45	84.010	1.266,294	12.691,903	10,023	9,553
13							63	46	82.747	1.165,660	11.425,609	9,802	9,332
14							64	47	81.404	1.071,731	10.259,949	9,573	9,104
15							65	48	79.964	983,893	9.188,218	9,339	8,869
16							66	49	78.397	901,507	8.204,325	9,101	8,631
17	0	99.264	31.424,465	461.750,267	14,694	14,224	67	50	76.712	824,420	7.302,818	8,858	8,389
18	1	98.837	29.242,319	430.325,802	14,716	14,246	68	51	74.879	752,077	6.478,398	8,614	8,144
19	2	98.727	27.298,760	401.083,484	14,692	14,223	69	52	72.906	684,354	5.726,322	8,367	7,898
20	3	98.628	25.487,271	373.784,724	14,666	14,196	70	53	70.813	621,229	5.041,968	8,116	7,647
21	4	98.536	23.797,685	348.297,452	14,636	14,166	71	54	68.577	562,249	4.420,739	7,863	7,393
22	5	98.446	22.220,518	324.499,767	14,604	14,134	72	55	66.186	507,149	3.858,490	7,608	7,139
23	6	98.359	20.748,469	302.279,249	14,569	14,099	73	56	63.614	455,553	3.351,341	7,357	6,887
24	7	98.277	19.374,934	281.530,780	14,531	14,061	74	57	60.902	407,595	2.895,787	7,105	6,635
25	8	98.197	18.092,701	262.155,846	14,490	14,020	75	58	58.056	363,130	2.488,192	6,852	6,383
26	9	98.116	16.895,076	244.063,144	14,446	13,976	76	59	55.105	322,124	2.125,062	6,597	6,128
27	10	98.039	15.777,479	227.168,068	14,398	13,929	77	60	52.090	284,578	1.802,939	6,335	5,866
28	11	97.961	14.733,523	211.390,589	14,348	13,878	78	61	48.967	250,019	1.518,361	6,073	5,603
29	12	97.880	13.758,236	196.657,066	14,294	13,824	79	62	45.736	218,244	1.268,342	5,812	5,342
30	13	97.802	12.848,030	182.898,830	14,236	13,766	80	63	42.422	189,185	1.050,098	5,551	5,081
31	14	97.722	11.997,570	170.050,800	14,174	13,704	81	64	39.002	162,555	860,913	5,296	4,827
32	15	97.633	11.202,522	158.053,230	14,109	13,639	82	65	35.538	138,428	698,358	5,045	4,575
33	16	97.536	10.459,200	146.850,708	14,040	13,571	83	66	31.939	116,271	559,930	4,816	4,346
34	17	97.429	9.764,311	136.391,508	13,968	13,499	84	67	28.425	96,708	443,659	4,588	4,118
35	18	97.315	9.114,802	126.627,197	13,892	13,423	85	68	25.034	79,598	346,951	4,359	3,889
36	19	97.185	8.507,145	117.512,394	13,813	13,344	86	69	21.872	64,994	267,353	4,113	3,644
37	20	97.049	7.939,426	109.005,249	13,730	13,260	87	70	18.732	52,024	202,359	3,890	3,420
38	21	96.901	7.408,719	101.065,823	13,641	13,172	88	71	15.693	40,731	150,335	3,691	3,221
39	22	96.743	6.912,804	93.657,103	13,548	13,079	89	72	12.883	31,252	109,604	3,507	3,038
40	23	96.568	6.448,861	86.744,299	13,451	12,982	90	73	10.376	23,524	78,352	3,331	2,861
41	24	96.377	6.015,023	80.295,439	13,349	12,880	91	74	8.193	17,359	54,828	3,159	2,689
42	25	96.168	5.609,314	74.280,415	13,242	12,773	92	75	6.303	12,482	37,470	3,002	2,532
43	26	95.932	5.229,500	68.671,102	13,131	12,662	93	76	4.728	8,750	24,988	2,856	2,386
44	27	95.668	4.873,919	63.441,602	13,017	12,547	94	77	3.454	5,974	16,238	2,718	2,248
45	28	95.383	4.541,520	58.567,683	12,896	12,427	95	78	2.453	3,966	10,263	2,588	2,119
46	29	95.061	4.230,095	54.026,163	12,772	12,302	96	79	1.690	2,553	6,298	2,467	1,997
47	30	94.711	3.938,788	49.796,068	12,642	12,173	97	80	1.128	1,592	3,745	2,352	1,883
48	31	94.325	3.666,113	45.857,280	12,508	12,039	98	81	726	0,958	2,153	2,246	1,776
49	32	93.906	3.411,067	42.191,167	12,369	11,899	99	82	451	0,556	1,194	2,147	1,678
							100	83	269	0,310	0,638	2,058	1,589

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 18 Jahre

Zinsfuß 7,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	32	93.485	3.173,605	38.838,869	12,238	11,769
1							51	33	92.989	2.950,239	35.665,264	12,089	11,619
2							52	34	92.470	2.741,852	32.715,025	11,932	11,462
3							53	35	91.884	2.546,255	29.973,174	11,771	11,302
4							54	36	91.260	2.363,510	27.426,918	11,604	11,135
5							55	37	90.589	2.192,649	25.063,408	11,431	10,961
6							56	38	89.856	2.032,618	22.870,760	11,252	10,782
7							57	39	89.090	1.883,448	20.838,142	11,064	10,594
8							58	40	88.248	1.743,604	18.954,694	10,871	10,401
9							59	41	87.331	1.612,603	17.211,090	10,673	10,203
10							60	42	86.328	1.489,790	15.598,487	10,470	10,001
11							61	43	85.260	1.375,103	14.108,697	10,260	9,791
12							62	44	84.127	1.268,059	12.733,594	10,042	9,572
13							63	45	82.878	1.167,512	11.465,535	9,820	9,351
14							64	46	81.551	1.073,659	10.298,023	9,592	9,122
15							65	47	80.120	985,810	9.224,364	9,357	8,888
16							66	48	78.563	903,422	8.238,554	9,119	8,650
17							67	49	76.897	826,409	7.335,132	8,876	8,406
18	0	99.214	29.353,773	430.560,876	14,668	14,198	68	50	75.069	753,982	6.508,723	8,632	8,163
19	1	98.762	27.308,540	401.207,103	14,692	14,222	69	51	73.109	686,260	5.754,741	8,386	7,916
20	2	98.647	25.492,312	373.898,563	14,667	14,198	70	52	71.028	623,113	5.068,482	8,134	7,665
21	3	98.553	23.801,771	348.406,251	14,638	14,168	71	53	68.794	564,030	4.445,369	7,881	7,412
22	4	98.459	22.223,388	324.604,480	14,606	14,137	72	54	66.417	508,919	3.881,339	7,627	7,157
23	5	98.372	20.751,182	302.381,092	14,572	14,102	73	55	63.856	457,285	3.372,419	7,375	6,905
24	6	98.286	19.376,720	281.629,910	14,534	14,065	74	56	61.147	409,238	2.915,134	7,123	6,654
25	7	98.205	18.094,277	262.253,190	14,494	14,024	75	57	58.316	364,758	2.505,896	6,870	6,401
26	8	98.125	16.896,698	244.158,913	14,450	13,981	76	58	55.371	323,682	2.141,139	6,615	6,145
27	9	98.046	15.778,498	227.262,215	14,403	13,934	77	59	52.356	286,032	1.817,456	6,354	5,885
28	10	97.969	14.734,762	211.483,717	14,353	13,883	78	60	49.239	251,403	1.531,424	6,092	5,622
29	11	97.889	13.759,527	196.748,954	14,299	13,830	79	61	45.995	219,479	1.280,021	5,832	5,363
30	12	97.811	12.849,121	182.989,428	14,241	13,772	80	62	42.690	190,383	1.060,543	5,571	5,101
31	13	97.731	11.998,732	170.140,307	14,180	13,710	81	63	39.269	163,668	870,159	5,317	4,847
32	14	97.644	11.203,828	158.141,574	14,115	13,645	82	64	35.800	139,447	706,491	5,066	4,597
33	15	97.553	10.461,070	146.937,747	14,046	13,577	83	65	32.202	117,228	567,044	4,837	4,368
34	16	97.450	9.766,379	136.476,677	13,974	13,505	84	66	28.685	97,592	449,815	4,609	4,140
35	17	97.336	9.116,808	126.710,298	13,899	13,429	85	67	25.291	80,416	352,223	4,380	3,911
36	18	97.213	8.509,592	117.593,490	13,819	13,349	86	68	22.125	65,746	271,808	4,134	3,665
37	19	97.075	7.941,628	109.083,897	13,736	13,266	87	69	18.974	52,696	206,062	3,910	3,441
38	20	96.931	7.411,060	101.142,270	13,647	13,178	88	70	15.919	41,319	153,366	3,712	3,242
39	21	96.767	6.914,496	93.731,209	13,556	13,086	89	71	13.096	31,767	112,047	3,527	3,058
40	22	96.594	6.450,607	86.816,713	13,459	12,989	90	72	10.567	23,956	80,280	3,351	2,882
41	23	96.402	6.016,593	80.366,106	13,357	12,888	91	73	8.363	17,720	56,324	3,179	2,709
42	24	96.194	5.610,838	74.349,513	13,251	12,782	92	74	6.450	12,772	38,605	3,023	2,553
43	25	95.955	5.230,787	68.738,675	13,141	12,672	93	75	4.854	8,983	25,832	2,876	2,406
44	26	95.694	4.875,284	63.507,889	13,027	12,557	94	76	3.557	6,152	16,849	2,739	2,269
45	27	95.411	4.542,844	58.632,605	12,907	12,437	95	77	2.536	4,099	10,697	2,610	2,140
46	28	95.090	4.231,351	54.089,760	12,783	12,314	96	78	1.755	2,652	6,598	2,488	2,019
47	29	94.739	3.939,941	49.858,409	12,655	12,185	97	79	1.177	1,662	3,946	2,375	1,905
48	30	94.356	3.667,313	45.918,468	12,521	12,051	98	80	764	1,007	2,285	2,268	1,798
49	31	93.940	3.412,286	42.251,155	12,382	11,913	99	81	478	0,589	1,277	2,168	1,699
							100	82	288	0,331	0,688	2,076	1,607

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 19 Jahre

Zinsfuß 7,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	31	93.518	3.174,739	38.892,528	12,251	11,781
1							51	32	93.022	2.951,288	35.717,790	12,102	11,633
2							52	33	92.507	2.742,948	32.766,502	11,946	11,476
3							53	34	91.928	2.547,450	30.023,554	11,786	11,316
4							54	35	91.307	2.364,720	27.476,104	11,619	11,150
5							55	36	90.641	2.193,889	25.111,384	11,446	10,977
6							56	37	89.911	2.033,865	22.917,495	11,268	10,798
7							57	38	89.152	1.884,766	20.883,629	11,080	10,611
8							58	39	88.319	1.745,001	18.998,863	10,888	10,418
9							59	40	87.407	1.614,007	17.253,863	10,690	10,221
10							60	41	86.413	1.491,264	15.639,856	10,488	10,018
11							61	42	85.356	1.376,652	14.148,592	10,278	9,808
12							62	43	84.236	1.269,707	12.771,940	10,059	9,589
13							63	44	82.994	1.169,139	11.502,233	9,838	9,369
14							64	45	81.680	1.075,364	10.333,094	9,609	9,139
15							65	46	80.264	987,584	9.257,729	9,374	8,905
16							66	47	78.716	905,183	8.270,145	9,136	8,667
17							67	48	77.060	828,164	7.364,963	8,893	8,424
18							68	49	75.250	755,801	6.536,798	8,649	8,179
19	0	99.139	27.412,624	401.424,242	14,644	14,174	69	50	73.294	687,998	5.780,998	8,403	7,933
20	1	98.683	25.501,445	374.011,617	14,666	14,197	70	51	71.226	624,848	5.093,000	8,151	7,681
21	2	98.572	23.806,477	348.510,172	14,639	14,170	71	52	69.003	565,741	4.468,152	7,898	7,428
22	3	98.475	22.227,204	324.703,695	14,608	14,139	72	53	66.628	510,531	3.902,411	7,644	7,174
23	4	98.384	20.753,862	302.476,491	14,574	14,105	73	54	64.079	458,881	3.391,880	7,392	6,922
24	5	98.299	19.379,253	281.722,629	14,537	14,068	74	55	61.380	410,794	2.932,998	7,140	6,670
25	6	98.215	18.095,944	262.343,376	14,497	14,028	75	56	58.551	366,228	2.522,205	6,887	6,417
26	7	98.134	16.898,170	244.247,432	14,454	13,985	76	57	55.620	325,133	2.155,977	6,631	6,162
27	8	98.055	15.780,013	227.349,262	14,407	13,938	77	58	52.609	287,416	1.830,843	6,370	5,900
28	9	97.975	14.735,715	211.569,249	14,358	13,888	78	59	49.490	252,688	1.543,427	6,108	5,639
29	10	97.897	13.760,684	196.833,534	14,304	13,835	79	60	46.250	220,693	1.290,740	5,849	5,379
30	11	97.820	12.850,326	183.072,850	14,247	13,777	80	61	42.932	191,461	1.070,046	5,589	5,119
31	12	97.739	11.999,751	170.222,524	14,186	13,716	81	62	39.518	164,705	878,586	5,334	4,865
32	13	97.654	11.204,913	158.222,773	14,121	13,651	82	63	36.045	140,402	713,881	5,085	4,615
33	14	97.564	10.462,289	147.017,859	14,052	13,583	83	64	32.439	118,092	573,478	4,856	4,387
34	15	97.467	9.768,124	136.555,571	13,980	13,510	84	65	28.921	98,396	455,387	4,628	4,159
35	16	97.357	9.118,739	126.787,446	13,904	13,435	85	66	25.522	81,150	356,991	4,399	3,930
36	17	97.234	8.511,465	117.668,707	13,825	13,355	86	67	22.352	66,421	275,840	4,153	3,683
37	18	97.103	7.943,913	109.157,242	13,741	13,271	87	68	19.194	53,306	209,419	3,929	3,459
38	19	96.958	7.413,115	101.213,329	13,653	13,184	88	69	16.125	41,853	156,114	3,730	3,261
39	20	96.798	6.916,681	93.800,214	13,561	13,092	89	70	13.285	32,225	114,261	3,546	3,076
40	21	96.618	6.452,186	86.883,533	13,466	12,996	90	71	10.741	24,351	82,036	3,369	2,899
41	22	96.428	6.018,222	80.431,348	13,365	12,895	91	72	8.517	18,045	57,685	3,197	2,727
42	23	96.219	5.612,302	74.413,125	13,259	12,789	92	73	6.584	13,038	39,640	3,040	2,571
43	24	95.981	5.232,208	68.800,823	13,149	12,680	93	74	4.967	9,192	26,603	2,894	2,424
44	25	95.718	4.876,484	63.568,615	13,036	12,566	94	75	3.652	6,316	17,410	2,756	2,287
45	26	95.438	4.544,116	58.692,131	12,916	12,447	95	76	2.611	4,221	11,094	2,628	2,159
46	27	95.117	4.232,585	54.148,015	12,793	12,324	96	77	1.814	2,741	6,873	2,508	2,038
47	28	94.767	3.941,111	49.915,430	12,665	12,196	97	78	1.222	1,726	4,132	2,394	1,925
48	29	94.384	3.668,387	45.974,319	12,533	12,063	98	79	797	1,052	2,406	2,288	1,818
49	30	93.971	3.413,403	42.305,932	12,394	11,925	99	80	502	0,619	1,355	2,188	1,718
							100	81	305	0,351	0,735	2,095	1,626

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 20 Jahre

Zinsfuß 7,00%

Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	30	93.549	3.175,778	38.941,520	12,262	11,793
1							51	31	93.055	2.952,343	35.765,741	12,114	11,645
2							52	32	92.540	2.743,924	32.813,398	11,959	11,489
3							53	33	91.964	2.548,468	30.069,475	11,799	11,330
4							54	34	91.350	2.365,829	27.521,007	11,633	11,163
5							55	35	90.687	2.195,013	25.155,177	11,460	10,991
6							56	36	89.962	2.035,016	22.960,165	11,283	10,813
7							57	37	89.207	1.885,923	20.925,149	11,095	10,626
8							58	38	88.381	1.746,222	19.039,226	10,903	10,434
9							59	39	87.477	1.615,300	17.293,004	10,706	10,236
10							60	40	86.489	1.492,563	15.677,704	10,504	10,034
11							61	41	85.441	1.378,014	14.185,142	10,294	9,824
12							62	42	84.331	1.271,137	12.807,128	10,075	9,606
13							63	43	83.101	1.170,659	11.535,991	9,854	9,385
14							64	44	81.794	1.076,863	10.365,333	9,625	9,156
15							65	45	80.391	989,153	9.288,469	9,390	8,921
16							66	46	78.858	906,811	8.299,317	9,152	8,683
17							67	47	77.210	829,778	7.392,505	8,909	8,440
18							68	48	75.409	757,407	6.562,727	8,665	8,195
19							69	49	73.471	689,658	5.805,321	8,418	7,948
20	0	99.059	25.598,641	374.212,201	14,618	14,149	70	50	71.406	626,431	5.115,663	8,166	7,697
21	1	98.608	23.815,007	348.613,560	14,638	14,169	71	51	69.195	567,316	4.489,232	7,913	7,444
22	2	98.495	22.231,599	324.798,554	14,610	14,140	72	52	66.830	512,080	3.921,916	7,659	7,189
23	3	98.401	20.757,425	302.566,955	14,576	14,107	73	53	64.282	460,335	3.409,837	7,407	6,938
24	4	98.311	19.381,756	281.809,529	14,540	14,070	74	54	61.594	412,228	2.949,502	7,155	6,686
25	5	98.227	18.098,310	262.427,773	14,500	14,031	75	55	58.774	367,620	2.537,274	6,902	6,432
26	6	98.143	16.899,727	244.329,463	14,458	14,000	76	56	55.844	326,444	2.169,654	6,646	6,177
27	7	98.063	15.781,388	227.429,736	14,411	13,942	77	57	52.845	288,705	1.843,210	6,384	5,915
28	8	97.985	14.737,129	211.648,348	14,362	13,892	78	58	49.730	253,910	1.554,506	6,122	5,653
29	9	97.903	13.761,573	196.911,219	14,309	13,839	79	59	46.486	221,821	1.300,595	5,863	5,394
30	10	97.828	12.851,407	183.149,646	14,251	13,782	80	60	43.170	192,520	1.078,774	5,603	5,134
31	11	97.748	12.000,877	170.298,239	14,190	13,721	81	61	39.741	165,637	886,254	5,351	4,881
32	12	97.662	11.205,865	158.297,362	14,126	13,657	82	62	36.273	141,291	720,617	5,100	4,631
33	13	97.574	10.463,302	147.091,497	14,058	13,588	83	63	32.662	118,901	579,325	4,872	4,403
34	14	97.479	9.769,263	136.628,195	13,986	13,516	84	64	29.134	99,120	460,425	4,645	4,176
35	15	97.374	9.120,369	126.858,932	13,909	13,440	85	65	25.732	81,819	361,304	4,416	3,946
36	16	97.255	8.513,268	117.738,563	13,830	13,360	86	66	22.556	67,028	279,486	4,170	3,700
37	17	97.125	7.945,661	109.225,295	13,747	13,277	87	67	19.391	53,853	212,457	3,945	3,476
38	18	96.986	7.415,248	101.279,634	13,658	13,189	88	68	16.311	42,337	158,604	3,746	3,277
39	19	96.825	6.918,598	93.864,386	13,567	13,097	89	69	13.456	32,641	116,267	3,562	3,092
40	20	96.649	6.454,224	86.945,788	13,471	13,002	90	70	10.896	24,702	83,626	3,385	2,916
41	21	96.452	6.019,695	80.491,564	13,371	12,902	91	71	8.657	18,342	58,924	3,212	2,743
42	22	96.245	5.613,822	74.471,869	13,266	12,796	92	72	6.705	13,277	40,582	3,056	2,587
43	23	96.007	5.233,574	68.858,047	13,157	12,687	93	73	5.071	9,383	27,305	2,910	2,440
44	24	95.744	4.877,809	63.624,473	13,044	12,574	94	74	3.737	6,463	17,921	2,773	2,303
45	25	95.461	4.545,235	58.746,664	12,925	12,455	95	75	2.681	4,333	11,458	2,644	2,175
46	26	95.144	4.233,770	54.201,429	12,802	12,333	96	76	1.868	2,822	7,124	2,524	2,055
47	27	94.794	3.942,260	49.967,659	12,675	12,205	97	77	1.264	1,784	4,302	2,412	1,942
48	28	94.412	3.669,476	46.025,399	12,543	12,073	98	78	828	1,092	2,518	2,306	1,836
49	29	93.998	3.414,403	42.355,923	12,405	11,936	99	79	524	0,646	1,426	2,206	1,737
							100	80	320	0,369	0,780	2,113	1,643

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 21 Jahre

Zinsfuß 7,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	29	93.576	3.176,708	38.986,222	12,273	11,803
1							51	30	93.085	2.953,310	35.809,513	12,125	11,656
2							52	31	92.573	2.744,904	32.856,204	11,970	11,500
3							53	32	91.997	2.549,375	30.111,300	11,811	11,342
4							54	33	91.386	2.366,775	27.561,925	11,645	11,176
5							55	34	90.729	2.196,042	25.195,150	11,473	11,003
6							56	35	90.008	2.036,058	22.999,107	11,296	10,826
7							57	36	89.258	1.886,990	20.963,049	11,109	10,640
8							58	37	88.435	1.747,294	19.076,060	10,917	10,448
9							59	38	87.539	1.616,430	17.328,766	10,720	10,251
10							60	39	86.558	1.493,758	15.712,336	10,519	10,049
11							61	40	85.515	1.379,214	14.218,578	10,309	9,840
12							62	41	84.414	1.272,395	12.839,364	10,091	9,621
13							63	42	83.195	1.171,977	11.566,969	9,870	9,400
14							64	43	81.900	1.078,263	10.394,993	9,640	9,171
15							65	44	80.503	990,531	9.316,730	9,406	8,936
16							66	45	78.983	908,252	8.326,198	9,167	8,698
17							67	46	77.349	831,271	7.417,946	8,924	8,454
18							68	47	75.556	758,882	6.586,676	8,679	8,210
19							69	48	73.627	691,123	5.827,793	8,432	7,963
20							70	49	71.579	627,942	5.136,670	8,180	7,711
21	0	98.983	23.905,775	348.798,870	14,591	14,121	71	50	69.370	568,753	4.508,728	7,927	7,458
22	1	98.530	22.239,564	324.893,095	14,609	14,139	72	51	67.016	513,506	3.939,975	7,673	7,203
23	2	98.421	20.761,530	302.653,531	14,578	14,108	73	52	64.477	461,731	3.426,470	7,421	6,951
24	3	98.328	19.385,084	281.892,001	14,542	14,072	74	53	61.789	413,534	2.964,739	7,169	6,700
25	4	98.240	18.100,648	262.506,917	14,503	14,033	75	54	58.979	368,903	2.551,205	6,916	6,446
26	5	98.156	16.901,936	244.406,269	14,460	13,991	76	55	56.056	327,685	2.182,302	6,660	6,190
27	6	98.072	15.782,842	227.504,333	14,415	13,945	77	56	53.058	289,868	1.854,617	6,398	5,929
28	7	97.993	14.738,413	211.721,491	14,365	13,896	78	57	49.953	255,049	1.564,749	6,135	5,666
29	8	97.913	13.762,894	196.983,078	14,313	13,843	79	58	46.711	222,895	1.309,701	5,876	5,406
30	9	97.835	12.852,237	183.220,184	14,256	13,786	80	59	43.390	193,504	1.086,806	5,616	5,147
31	10	97.757	12.001,886	170.367,946	14,195	13,726	81	60	39.961	166,554	893,302	5,363	4,894
32	11	97.671	11.206,916	158.366,060	14,131	13,662	82	61	36.478	142,091	726,748	5,115	4,645
33	12	97.582	10.464,191	147.159,144	14,063	13,594	83	62	32.868	119,654	584,657	4,886	4,417
34	13	97.488	9.770,209	136.694,953	13,991	13,521	84	63	29.334	99,799	465,004	4,659	4,190
35	14	97.386	9.121,432	126.924,744	13,915	13,445	85	64	25.922	82,421	365,204	4,431	3,961
36	15	97.272	8.514,789	117.803,312	13,835	13,366	86	65	22.742	67,580	282,783	4,184	3,715
37	16	97.145	7.947,344	109.288,523	13,752	13,282	87	66	19.568	54,345	215,203	3,960	3,490
38	17	97.007	7.416,880	101.341,179	13,664	13,194	88	67	16.479	42,772	160,857	3,761	3,291
39	18	96.852	6.920,589	93.924,299	13,572	13,102	89	68	13.612	33,019	118,086	3,576	3,107
40	19	96.675	6.456,014	87.003,710	13,476	13,007	90	69	11.037	25,021	85,067	3,400	2,930
41	20	96.482	6.021,597	80.547,697	13,376	12,907	91	70	8.782	18,607	60,046	3,227	2,758
42	21	96.268	5.615,196	74.526,099	13,272	12,803	92	71	6.816	13,496	41,439	3,070	2,601
43	22	96.033	5.234,991	68.910,903	13,164	12,694	93	72	5.164	9,556	27,943	2,924	2,455
44	23	95.769	4.879,082	63.675,912	13,051	12,581	94	73	3.815	6,598	18,387	2,787	2,317
45	24	95.487	4.546,470	58.796,830	12,932	12,463	95	74	2.743	4,434	11,789	2,659	2,189
46	25	95.167	4.234,812	54.250,360	12,811	12,341	96	75	1.918	2,898	7,355	2,538	2,069
47	26	94.821	3.943,364	50.015,548	12,683	12,214	97	76	1.301	1,837	4,457	2,426	1,957
48	27	94.439	3.670,546	46.072,184	12,552	12,082	98	77	856	1,129	2,620	2,321	1,852
49	28	94.026	3.415,417	42.401,638	12,415	11,945	99	78	544	0,671	1,491	2,222	1,753
							100	79	334	0,385	0,820	2,129	1,660

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 22 Jahre

Zinsfuß 7,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	28	93.604	3.177,651	39.027,095	12,282	11,812
1							51	29	93.113	2.954,174	35.849,444	12,135	11,666
2							52	30	92.603	2.745,803	32.895,269	11,980	11,511
3							53	31	92.030	2.550,286	30.149,466	11,822	11,352
4							54	32	91.419	2.367,617	27.599,181	11,657	11,187
5							55	33	90.766	2.196,920	25.231,564	11,485	11,015
6							56	34	90.050	2.037,013	23.034,644	11,308	10,839
7							57	35	89.303	1.887,956	20.997,630	11,122	10,652
8							58	36	88.485	1.748,282	19.109,674	10,931	10,461
9							59	37	87.592	1.617,422	17.361,392	10,734	10,264
10							60	38	86.619	1.494,804	15.743,970	10,532	10,063
11							61	39	85.583	1.380,318	14.249,166	10,323	9,854
12							62	40	84.488	1.273,503	12.868,848	10,105	9,636
13							63	41	83.277	1.173,136	11.595,345	9,884	9,415
14							64	42	81.993	1.079,477	10.422,209	9,655	9,185
15							65	43	80.608	991,819	9.342,732	9,420	8,950
16							66	44	79.093	909,518	8.350,913	9,182	8,712
17							67	45	77.472	832,591	7.441,395	8,938	8,468
18							68	46	75.692	760,248	6.608,804	8,693	8,223
19							69	47	73.770	692,470	5.848,556	8,446	7,976
20							70	48	71.731	629,276	5.156,087	8,194	7,724
21							71	49	69.537	570,125	4.526,811	7,940	7,471
22	0	98.906	22.324,328	325.064,304	14,561	14,091	72	50	67.186	514,806	3.956,685	7,686	7,216
23	1	98.456	20.768,968	302.739,976	14,577	14,107	73	51	64.657	463,016	3.441,879	7,434	6,964
24	2	98.348	19.388,917	281.971,008	14,543	14,073	74	52	61.976	414,787	2.978,862	7,182	6,712
25	3	98.257	18.103,755	262.582,090	14,504	14,035	75	53	59.166	370,072	2.564,075	6,929	6,459
26	4	98.168	16.904,120	244.478,335	14,463	13,993	76	54	56.252	328,829	2.194,003	6,672	6,203
27	5	98.085	15.784,905	227.574,215	14,417	13,948	77	55	53.260	290,970	1.865,175	6,410	5,941
28	6	98.002	14.739,771	211.789,310	14,369	13,899	78	56	50.154	256,077	1.574,205	6,147	5,678
29	7	97.921	13.764,093	197.049,539	14,316	13,847	79	57	46.920	223,894	1.318,128	5,887	5,418
30	8	97.844	12.853,471	183.285,446	14,260	13,790	80	58	43.600	194,440	1.094,234	5,628	5,158
31	9	97.763	12.002,662	170.431,975	14,200	13,730	81	59	40.166	167,405	899,794	5,375	4,905
32	10	97.680	11.207,858	158.429,313	14,136	13,666	82	60	36.680	142,877	732,389	5,126	4,656
33	11	97.591	10.465,173	147.221,455	14,068	13,598	83	61	33.054	120,331	589,511	4,899	4,430
34	12	97.497	9.771,039	136.756,282	13,996	13,527	84	62	29.519	100,431	469,181	4,672	4,202
35	13	97.395	9.122,316	126.985,243	13,920	13,451	85	63	26.099	82,986	368,749	4,444	3,974
36	14	97.284	8.515,782	117.862,927	13,841	13,371	86	64	22.909	68,078	285,763	4,198	3,728
37	15	97.163	7.948,764	109.347,146	13,756	13,287	87	65	19.729	54,793	217,685	3,973	3,503
38	16	97.028	7.418,451	101.398,382	13,668	13,199	88	66	16.630	43,163	162,893	3,774	3,304
39	17	96.874	6.922,112	93.979,931	13,577	13,107	89	67	13.752	33,358	119,730	3,589	3,120
40	18	96.703	6.457,871	87.057,819	13,481	13,011	90	68	11.165	25,310	86,372	3,413	2,943
41	19	96.509	6.023,267	80.599,948	13,381	12,912	91	69	8.896	18,847	61,062	3,240	2,770
42	20	96.299	5.616,970	74.576,681	13,277	12,808	92	70	6.914	13,691	42,214	3,083	2,614
43	21	96.056	5.236,272	68.959,711	13,170	12,700	93	71	5.249	9,713	28,524	2,937	2,467
44	22	95.795	4.880,404	63.723,439	13,057	12,587	94	72	3.885	6,719	18,810	2,800	2,330
45	23	95.512	4.547,656	58.843,035	12,939	12,470	95	73	2.800	4,527	12,092	2,671	2,202
46	24	95.193	4.235,963	54.295,379	12,818	12,348	96	74	1.963	2,965	7,565	2,551	2,082
47	25	94.844	3.944,334	50.059,416	12,691	12,222	97	75	1.336	1,886	4,600	2,439	1,969
48	26	94.466	3.671,574	46.115,082	12,560	12,091	98	76	881	1,163	2,714	2,334	1,865
49	27	94.054	3.416,412	42.443,508	12,423	11,954	99	77	563	0,694	1,551	2,236	1,767
							100	78	347	0,400	0,858	2,144	1,674

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 23 Jahre

Zinsfuß 7,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	27	93.631	3.178,578	39.064,526	12,290	11,820
1							51	28	93.140	2.955,052	35.885,949	12,144	11,674
2							52	29	92.630	2.746,607	32.930,897	11,990	11,520
3							53	30	92.060	2.551,121	30.184,290	11,832	11,362
4							54	31	91.451	2.368,463	27.633,169	11,667	11,198
5							55	32	90.798	2.197,702	25.264,706	11,496	11,026
6							56	33	90.086	2.037,827	23.067,004	11,319	10,850
7							57	34	89.345	1.888,842	21.029,177	11,133	10,664
8							58	35	88.531	1.749,178	19.140,335	10,942	10,473
9							59	36	87.642	1.618,337	17.391,158	10,746	10,277
10							60	37	86.672	1.495,721	15.772,820	10,545	10,076
11							61	38	85.643	1.381,285	14.277,099	10,336	9,867
12							62	39	84.555	1.274,523	12.895,815	10,118	9,649
13							63	40	83.350	1.174,158	11.621,292	9,898	9,428
14							64	41	82.074	1.080,545	10.447,135	9,668	9,199
15							65	42	80.699	992,936	9.366,589	9,433	8,964
16							66	43	79.196	910,700	8.373,654	9,195	8,725
17							67	44	77.580	833,752	7.462,954	8,951	8,482
18							68	45	75.813	761,455	6.629,202	8,706	8,236
19							69	46	73.903	693,715	5.867,747	8,458	7,989
20							70	47	71.871	630,502	5.174,031	8,206	7,737
21							71	48	69.685	571,337	4.543,529	7,952	7,483
22							72	49	67.348	516,048	3.972,192	7,697	7,228
23	0	98.831	20.848,127	302.898,169	14,529	14,059	73	50	64.820	464,189	3.456,144	7,446	6,976
24	1	98.383	19.395,864	282.050,042	14,542	14,072	74	51	62.149	415,943	2.991,955	7,193	6,724
25	2	98.276	18.107,336	262.654,178	14,505	14,036	75	52	59.345	371,194	2.576,012	6,940	6,470
26	3	98.185	16.907,022	244.546,843	14,464	13,995	76	53	56.430	329,870	2.204,818	6,684	6,214
27	4	98.098	15.786,944	227.639,821	14,419	13,950	77	54	53.446	291,986	1.874,948	6,421	5,952
28	5	98.015	14.741,698	211.852,877	14,371	13,901	78	55	50.345	257,050	1.582,962	6,158	5,689
29	6	97.930	13.765,361	197.111,179	14,319	13,850	79	56	47.109	224,796	1.325,912	5,898	5,429
30	7	97.852	12.854,591	183.345,817	14,263	13,794	80	57	43.796	195,312	1.101,116	5,638	5,168
31	8	97.772	12.003,814	170.491,227	14,203	13,734	81	58	40.360	168,215	905,804	5,385	4,915
32	9	97.686	11.208,583	158.487,413	14,140	13,670	82	59	36.868	143,608	737,589	5,136	4,667
33	10	97.599	10.466,053	147.278,830	14,072	13,603	83	60	33.237	120,997	593,981	4,909	4,440
34	11	97.506	9.771,956	136.812,777	14,001	13,531	84	61	29.686	101,000	472,985	4,683	4,214
35	12	97.403	9.123,091	127.040,822	13,925	13,456	85	62	26.264	83,511	371,985	4,454	3,985
36	13	97.293	8.516,607	117.917,731	13,846	13,376	86	63	23.066	68,544	288,474	4,209	3,739
37	14	97.174	7.949,690	109.401,124	13,762	13,292	87	64	19.875	55,196	219,929	3,984	3,515
38	15	97.045	7.419,776	101.451,434	13,673	13,204	88	65	16.766	43,518	164,733	3,785	3,316
39	16	96.894	6.923,578	94.031,658	13,581	13,112	89	66	13.877	33,663	121,215	3,601	3,131
40	17	96.724	6.459,292	87.108,080	13,486	13,016	90	67	11.279	25,570	87,552	3,424	2,954
41	18	96.537	6.025,000	80.648,787	13,386	12,916	91	68	8.998	19,065	61,982	3,251	2,782
42	19	96.325	5.618,528	74.623,788	13,282	12,812	92	69	7.003	13,868	42,916	3,095	2,625
43	20	96.086	5.237,927	69.005,260	13,174	12,705	93	70	5.324	9,853	29,049	2,948	2,479
44	21	95.818	4.881,598	63.767,334	13,063	12,593	94	71	3.949	6,830	19,195	2,811	2,341
45	22	95.538	4.548,888	58.885,736	12,945	12,476	95	72	2.852	4,610	12,366	2,683	2,213
46	23	95.218	4.237,068	54.336,848	12,824	12,355	96	73	2.004	3,027	7,756	2,563	2,093
47	24	94.870	3.945,406	50.099,779	12,698	12,229	97	74	1.367	1,930	4,729	2,451	1,981
48	25	94.489	3.672,478	46.154,373	12,568	12,098	98	75	905	1,194	2,799	2,346	1,876
49	26	94.080	3.417,369	42.481,895	12,431	11,962	99	76	579	0,714	1,606	2,248	1,778
							100	77	359	0,413	0,892	2,156	1,687

Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente nach der Sterbetafel 2002/2004

Altersdifferenz zwischen Mann und Frau (x - y) = 24 Jahre

Zinsfuß 7,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	26	93.658	3.179,468	39.098,842	12,297	11,828
1							51	27	93.167	2.955,913	35.919,374	12,152	11,682
2							52	28	92.658	2.747,422	32.963,461	11,998	11,528
3							53	29	92.087	2.551,868	30.216,039	11,841	11,371
4							54	30	91.481	2.369,239	27.664,171	11,676	11,207
5							55	31	90.830	2.198,487	25.294,932	11,506	11,036
6							56	32	90.118	2.038,552	23.096,445	11,330	10,860
7							57	33	89.381	1.889,597	21.057,893	11,144	10,675
8							58	34	88.572	1.749,998	19.168,296	10,953	10,484
9							59	35	87.687	1.619,166	17.418,298	10,758	10,288
10							60	36	86.721	1.496,567	15.799,132	10,557	10,087
11							61	37	85.696	1.382,132	14.302,565	10,348	9,879
12							62	38	84.615	1.275,415	12.920,433	10,130	9,661
13							63	39	83.417	1.175,098	11.645,018	9,910	9,440
14							64	40	82.145	1.081,486	10.469,920	9,681	9,212
15							65	41	80.779	993,918	9.388,434	9,446	8,976
16							66	42	79.285	911,725	8.394,516	9,207	8,738
17							67	43	77.681	834,836	7.482,790	8,963	8,494
18							68	44	75.918	762,517	6.647,955	8,718	8,249
19							69	45	74.020	694,817	5.885,438	8,470	8,001
20							70	46	72.000	631,636	5.190,621	8,218	7,748
21							71	47	69.821	572,450	4.558,984	7,964	7,494
22							72	48	67.491	517,145	3.986,534	7,709	7,239
23							73	49	64.977	465,309	3.469,390	7,456	6,987
24	0	98.758	19.469,789	282.196,219	14,494	14,025	74	50	62.306	416,996	3.004,080	7,204	6,735
25	1	98.312	18.113,823	262.726,429	14,504	14,035	75	51	59.510	372,228	2.587,084	6,950	6,481
26	2	98.204	16.910,365	244.612,606	14,465	13,996	76	52	56.601	330,871	2.214,857	6,694	6,225
27	3	98.115	15.789,655	227.702,241	14,421	13,951	77	53	53.615	292,911	1.883,986	6,432	5,962
28	4	98.028	14.743,602	211.912,587	14,373	13,904	78	54	50.520	257,947	1.591,075	6,168	5,699
29	5	97.943	13.767,161	197.168,984	14,322	13,852	79	55	47.288	225,651	1.333,128	5,908	5,438
30	6	97.861	12.855,775	183.401,823	14,266	13,797	80	56	43.972	196,099	1.107,477	5,648	5,178
31	7	97.781	12.004,859	170.546,048	14,206	13,737	81	57	40.541	168,969	911,378	5,394	4,924
32	8	97.695	11.209,659	158.541,189	14,143	13,674	82	58	37.046	144,302	742,409	5,145	4,675
33	9	97.606	10.466,729	147.331,530	14,076	13,607	83	59	33.407	121,615	598,107	4,918	4,449
34	10	97.514	9.772,777	136.864,801	14,005	13,535	84	60	29.851	101,559	476,492	4,692	4,222
35	11	97.413	9.123,946	127.092,024	13,930	13,460	85	61	26.413	83,984	374,933	4,464	3,995
36	12	97.301	8.517,330	117.968,077	13,850	13,381	86	62	23.212	68,978	290,949	4,218	3,748
37	13	97.183	7.950,461	109.450,747	13,767	13,297	87	63	20.011	55,574	221,970	3,994	3,525
38	14	97.057	7.420,641	101.500,287	13,678	13,209	88	64	16.890	43,839	166,396	3,796	3,326
39	15	96.912	6.924,815	94.079,645	13,586	13,116	89	65	13.992	33,940	122,557	3,611	3,141
40	16	96.745	6.460,661	87.154,830	13,490	13,021	90	66	11.382	25,804	88,617	3,434	2,965
41	17	96.558	6.026,325	80.694,170	13,390	12,921	91	67	9.091	19,261	62,813	3,261	2,792
42	18	96.353	5.620,144	74.667,844	13,286	12,816	92	68	7.084	14,028	43,552	3,105	2,635
43	19	96.113	5.239,379	69.047,700	13,179	12,709	93	69	5.393	9,981	29,524	2,958	2,489
44	20	95.849	4.883,140	63.808,321	13,067	12,598	94	70	4.006	6,928	19,543	2,821	2,351
45	21	95.561	4.550,001	58.925,181	12,951	12,481	95	71	2.899	4,686	12,615	2,692	2,223
46	22	95.244	4.238,216	54.375,180	12,830	12,360	96	72	2.040	3,082	7,930	2,573	2,103
47	23	94.895	3.946,436	50.136,964	12,704	12,235	97	73	1.395	1,970	4,847	2,461	1,991
48	24	94.515	3.673,476	46.190,528	12,574	12,105	98	74	926	1,221	2,877	2,356	1,886
49	25	94.103	3.418,210	42.517,052	12,438	11,969	99	75	595	0,733	1,656	2,258	1,788
							100	76	369	0,426	0,923	2,167	1,697

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 25 Jahre

Zinsfuß 7,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	25	93.681	3.180,251	39.130,266	12,304	11,835
1							51	26	93.194	2.956,741	35.950,015	12,159	11,689
2							52	27	92.685	2.748,223	32.993,274	12,005	11,536
3							53	28	92.114	2.552,625	30.245,051	11,849	11,379
4							54	29	91.508	2.369,932	27.692,425	11,685	11,215
5							55	30	90.860	2.199,207	25.322,493	11,514	11,045
6							56	31	90.151	2.039,281	23.123,286	11,339	10,869
7							57	32	89.413	1.890,269	21.084,005	11,154	10,684
8							58	33	88.607	1.750,698	19.193,736	10,963	10,494
9							59	34	87.728	1.619,926	17.443,039	10,768	10,298
10							60	35	86.765	1.497,334	15.823,113	10,568	10,098
11							61	36	85.744	1.382,914	14.325,779	10,359	9,890
12							62	37	84.667	1.276,197	12.942,865	10,142	9,672
13							63	38	83.475	1.175,921	11.666,668	9,921	9,452
14							64	39	82.211	1.082,352	10.490,747	9,693	9,223
15							65	40	80.849	994,783	9.408,395	9,458	8,988
16							66	41	79.364	912,627	8.413,611	9,219	8,750
17							67	42	77.768	835,776	7.500,984	8,975	8,505
18							68	43	76.017	763,508	6.665,208	8,730	8,260
19							69	44	74.124	695,786	5.901,701	8,482	8,013
20							70	45	72.114	632,640	5.205,915	8,229	7,759
21							71	46	69.947	573,480	4.573,275	7,975	7,505
22							72	47	67.622	518,152	3.999,795	7,719	7,250
23							73	48	65.115	466,298	3.481,643	7,467	6,997
24							74	49	62.457	418,002	3.015,345	7,214	6,744
25	0	98.686	18.182,862	262.861,509	14,457	13,987	75	50	59.661	373,170	2.597,343	6,960	6,491
26	1	98.240	16.916,424	244.678,647	14,464	13,994	76	51	56.759	331,792	2.224,172	6,704	6,234
27	2	98.134	15.792,777	227.762,224	14,422	13,952	77	52	53.778	293,799	1.892,380	6,441	5,972
28	3	98.045	14.746,133	211.969,447	14,375	13,905	78	53	50.680	258,764	1.598,581	6,178	5,708
29	4	97.956	13.768,939	197.223,314	14,324	13,854	79	54	47.454	226,438	1.339,817	5,917	5,447
30	5	97.874	12.857,456	183.454,374	14,268	13,799	80	55	44.139	196,845	1.113,379	5,656	5,187
31	6	97.790	12.005,966	170.596,918	14,209	13,740	81	56	40.704	169,650	916,534	5,402	4,933
32	7	97.704	11.210,635	158.590,952	14,146	13,677	82	57	37.212	144,949	746,884	5,153	4,683
33	8	97.615	10.467,734	147.380,317	14,079	13,610	83	58	33.569	122,203	601,934	4,926	4,456
34	9	97.520	9.773,409	136.912,584	14,009	13,539	84	59	30.003	102,078	479,731	4,700	4,230
35	10	97.421	9.124,714	127.139,175	13,933	13,464	85	60	26.559	84,449	377,653	4,472	4,002
36	11	97.311	8.518,129	118.014,461	13,855	13,385	86	61	23.344	69,369	293,204	4,227	3,757
37	12	97.192	7.951,136	109.496,332	13,771	13,302	87	62	20.137	55,926	223,836	4,002	3,533
38	13	97.066	7.421,360	101.545,196	13,683	13,213	88	63	17.006	44,139	167,909	3,804	3,335
39	14	96.923	6.925,622	94.123,836	13,591	13,121	89	64	14.095	34,190	123,770	3,620	3,151
40	15	96.762	6.461,815	87.198,214	13,494	13,025	90	65	11.476	26,017	89,580	3,443	2,974
41	16	96.578	6.027,602	80.736,399	13,394	12,925	91	66	9.174	19,437	63,564	3,270	2,801
42	17	96.374	5.621,381	74.708,797	13,290	12,821	92	67	7.157	14,172	44,127	3,114	2,644
43	18	96.141	5.240,886	69.087,416	13,182	12,713	93	68	5.456	10,096	29,955	2,967	2,497
44	19	95.875	4.884,494	63.846,530	13,071	12,602	94	69	4.058	7,018	19,858	2,830	2,360
45	20	95.591	4.551,439	58.962,035	12,955	12,485	95	70	2.941	4,753	12,841	2,702	2,232
46	21	95.267	4.239,253	54.410,597	12,835	12,365	96	71	2.074	3,133	8,088	2,581	2,112
47	22	94.921	3.947,505	50.171,344	12,710	12,240	97	72	1.421	2,006	4,955	2,470	2,000
48	23	94.539	3.674,434	46.223,839	12,580	12,110	98	73	945	1,247	2,948	2,365	1,895
49	24	94.129	3.419,139	42.549,405	12,444	11,975	99	74	609	0,751	1,702	2,267	1,798
							100	75	379	0,437	0,951	2,176	1,706

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 0 Jahre

Zinsfuß 7,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	0	100.000	100.000,000	1.446.469,418	14,465	13,995	50	50	91.638	2.768,281	31.691,038	11,448	10,978
1	1	99.166	92.462,292	1.346.469,418	14,562	14,092	51	51	90.953	2.561,868	28.922,757	11,290	10,820
2	2	99.090	86.146,235	1.254.007,126	14,557	14,087	52	52	90.231	2.369,713	26.360,889	11,124	10,654
3	3	99.051	80.290,781	1.167.860,891	14,545	14,075	53	53	89.431	2.189,924	23.991,176	10,955	10,485
4	4	99.016	74.836,694	1.087.570,110	14,533	14,063	54	54	88.588	2.022,645	21.801,252	10,779	10,309
5	5	98.990	69.759,435	1.012.733,416	14,518	14,048	55	55	87.680	1.866,596	19.778,607	10,596	10,126
6	6	98.963	65.026,354	942.973,981	14,501	14,032	56	56	86.694	1.720,847	17.912,011	10,409	9,939
7	7	98.942	60.617,980	877.947,627	14,483	14,013	57	57	85.670	1.585,562	16.191,164	10,212	9,742
8	8	98.922	56.508,360	817.329,647	14,464	13,994	58	58	84.550	1.459,047	14.605,602	10,010	9,540
9	9	98.900	52.677,126	760.821,286	14,443	13,973	59	59	83.341	1.340,963	13.146,556	9,804	9,334
10	10	98.885	49.108,432	708.144,160	14,420	13,950	60	60	82.046	1.230,883	11.805,593	9,591	9,121
11	11	98.867	45.780,595	659.035,728	14,396	13,926	61	61	80.675	1.128,510	10.574,710	9,371	8,901
12	12	98.844	42.675,700	613.255,134	14,370	13,900	62	62	79.258	1.033,735	9.446,200	9,138	8,668
13	13	98.822	39.782,287	570.579,434	14,343	13,873	63	63	77.698	944,889	8.412,465	8,903	8,433
14	14	98.800	37.084,639	530.797,146	14,313	13,843	64	64	76.054	862,378	7.467,577	8,659	8,189
15	15	98.770	34.567,344	493.712,508	14,283	13,813	65	65	74.307	785,605	6.605,199	8,408	7,938
16	16	98.729	32.217,264	459.145,164	14,252	13,782	66	66	72.409	713,792	5.819,594	8,153	7,683
17	17	98.670	30.021,542	426.927,900	14,221	13,751	67	67	70.380	646,894	5.105,802	7,893	7,423
18	18	98.599	27.971,770	396.906,358	14,190	13,720	68	68	68.173	584,245	4.458,908	7,632	7,162
19	19	98.496	26.053,627	368.934,588	14,161	13,691	69	69	65.800	525,789	3.874,664	7,369	6,899
20	20	98.389	24.266,132	342.880,961	14,130	13,660	70	70	63.288	471,528	3.348,875	7,102	6,632
21	21	98.283	22.601,422	318.614,828	14,097	13,627	71	71	60.609	421,044	2.877,347	6,834	6,364
22	22	98.182	21.051,911	296.013,407	14,061	13,591	72	72	57.749	374,055	2.456,303	6,567	6,097
23	23	98.081	19.608,712	274.961,496	14,022	13,553	73	73	54.711	330,424	2.082,248	6,302	5,832
24	24	97.983	18.264,863	255.352,784	13,981	13,511	74	74	51.518	290,106	1.751,824	6,039	5,569
25	25	97.886	17.013,195	237.087,921	13,936	13,466	75	75	48.208	253,115	1.461,718	5,775	5,305
26	26	97.790	15.847,615	220.074,726	13,887	13,417	76	76	44.787	219,257	1.208,603	5,512	5,042
27	27	97.693	14.761,630	204.227,111	13,835	13,365	77	77	41.321	188,614	989,346	5,245	4,775
28	28	97.594	13.749,906	189.465,481	13,779	13,310	78	78	37.788	160,830	800,732	4,979	4,509
29	29	97.494	12.807,199	175.715,575	13,720	13,250	79	79	34.179	135,635	639,902	4,718	4,248
30	30	97.396	11.929,552	162.908,376	13,656	13,186	80	80	30.561	113,078	504,267	4,459	3,990
31	31	97.293	11.111,360	150.978,823	13,588	13,118	81	81	26.911	92,844	391,189	4,213	3,743
32	32	97.182	10.348,364	139.867,463	13,516	13,046	82	82	23.325	75,031	298,345	3,976	3,506
33	33	97.068	9.637,491	129.519,099	13,439	12,969	83	83	19.770	59,296	223,314	3,766	3,296
34	34	96.944	8.974,536	119.881,608	13,358	12,888	84	84	16.483	46,096	164,018	3,558	3,088
35	35	96.806	8.355,954	110.907,072	13,273	12,803	85	85	13.487	35,167	117,922	3,353	2,883
36	36	96.655	7.778,962	102.551,118	13,183	12,713	86	86	10.885	26,464	82,755	3,127	2,657
37	37	96.491	7.240,827	94.772,157	13,089	12,619	87	87	8.491	19,248	56,291	2,925	2,455
38	38	96.316	6.739,062	87.531,330	12,989	12,519	88	88	6.365	13,454	37,043	2,753	2,283
39	39	96.116	6.270,460	80.792,268	12,885	12,415	89	89	4.613	9,091	23,589	2,595	2,125
40	40	95.891	5.832,900	74.521,808	12,776	12,306	90	90	3.223	5,922	14,498	2,448	1,978
41	41	95.642	5.424,512	68.688,909	12,663	12,193	91	91	2.173	3,723	8,576	2,303	1,833
42	42	95.366	5.043,221	63.264,397	12,544	12,075	92	92	1.390	2,221	4,853	2,185	1,715
43	43	95.049	4.686,656	58.221,176	12,423	11,953	93	93	851	1,267	2,632	2,077	1,607
44	44	94.691	4.353,367	53.534,520	12,297	11,827	94	94	497	0,690	1,365	1,978	1,508
45	45	94.305	4.042,558	49.181,153	12,166	11,696	95	95	276	0,357	0,675	1,888	1,419
46	46	93.866	3.751,727	45.138,594	12,031	11,562	96	96	146	0,176	0,317	1,807	1,337
47	47	93.379	3.479,979	41.386,867	11,893	11,423	97	97	73	0,082	0,142	1,732	1,262
48	48	92.848	3.226,288	37.906,888	11,749	11,279	98	98	34	0,036	0,060	1,664	1,194
49	49	92.273	2.989,562	34.680,600	11,601	11,131	99	99	15	0,015	0,024	1,602	1,132
							100	100	6	0,006	0,009	1,546	1,076

Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente nach der Sterbetafel 2002/2004

Altersdifferenz zwischen Mann und Frau (x - y) = -1 Jahr

Zinsfuß 7,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	1	99.620	99.620,306	1.445.540,419	14,510	14,041	50	51	91.406	2.761,286	31.454,031	11,391	10,921
1	2	99.130	92.429,178	1.345.920,113	14,562	14,092	51	52	90.701	2.554,753	28.692,745	11,231	10,761
2	3	99.071	86.129,203	1.253.490,935	14,554	14,084	52	53	89.958	2.362,549	26.137,992	11,063	10,594
3	4	99.034	80.276,999	1.167.361,732	14,542	14,072	53	54	89.148	2.183,009	23.775,443	10,891	10,421
4	5	99.003	74.827,029	1.087.084,733	14,528	14,058	54	55	88.280	2.015,610	21.592,434	10,713	10,243
5	6	98.977	69.750,316	1.012.257,704	14,513	14,043	55	56	87.348	1.859,527	19.576,824	10,528	10,058
6	7	98.954	65.020,362	942.507,389	14,496	14,026	56	57	86.346	1.713,938	17.717,297	10,337	9,867
7	8	98.934	60.612,701	877.487,027	14,477	14,007	57	58	85.288	1.578,486	16.003,359	10,138	9,669
8	9	98.912	56.502,936	816.874,326	14,457	13,987	58	59	84.143	1.452,020	14.424,873	9,934	9,464
9	10	98.894	52.673,722	760.371,390	14,435	13,966	59	60	82.917	1.334,146	12.972,853	9,724	9,254
10	11	98.876	49.104,302	707.697,667	14,412	13,942	60	61	81.594	1.224,108	11.638,707	9,508	9,038
11	12	98.858	45.776,302	658.593,365	14,387	13,917	61	62	80.221	1.122,159	10.414,599	9,281	8,811
12	13	98.835	42.672,076	612.817,063	14,361	13,891	62	63	78.759	1.027,230	9.292,440	9,046	8,576
13	14	98.813	39.778,433	570.144,988	14,333	13,863	63	64	77.170	938,462	8.265,210	8,807	8,337
14	15	98.788	37.080,317	530.366,555	14,303	13,833	64	65	75.498	856,071	7.326,749	8,559	8,089
15	16	98.752	34.561,168	493.286,238	14,273	13,803	65	66	73.700	779,188	6.470,677	8,304	7,834
16	17	98.708	32.210,441	458.725,070	14,242	13,772	66	67	71.753	707,328	5.691,489	8,046	7,577
17	18	98.649	30.014,937	426.514,629	14,210	13,740	67	68	69.665	640,318	4.984,161	7,784	7,314
18	19	98.570	27.963,726	396.499,692	14,179	13,709	68	69	67.393	577,562	4.343,843	7,521	7,051
19	20	98.468	26.046,405	368.535,967	14,149	13,679	69	70	64.960	519,081	3.766,281	7,256	6,786
20	21	98.358	24.258,468	342.489,562	14,118	13,648	70	71	62.388	464,826	3.247,200	6,986	6,516
21	22	98.259	22.595,892	318.231,094	14,084	13,614	71	72	59.626	414,218	2.782,374	6,717	6,247
22	23	98.155	21.046,212	295.635,202	14,047	13,577	72	73	56.707	367,311	2.368,156	6,447	5,977
23	24	98.056	19.603,596	274.588,991	14,007	13,537	73	74	53.596	323,693	2.000,845	6,181	5,711
24	25	97.957	18.259,901	254.985,395	13,964	13,494	74	75	50.345	283,502	1.677,153	5,916	5,446
25	26	97.861	17.009,009	236.725,494	13,918	13,448	75	76	46.958	246,553	1.393,650	5,653	5,183
26	27	97.762	15.843,178	219.716,485	13,868	13,398	76	77	43.490	212,910	1.147,098	5,388	4,918
27	28	97.664	14.757,328	203.873,307	13,815	13,345	77	78	39.976	182,478	934,188	5,119	4,650
28	29	97.565	13.745,825	189.115,979	13,758	13,288	78	79	36.388	154,869	751,710	4,854	4,384
29	30	97.465	12.803,450	175.370,155	13,697	13,227	79	80	32.741	129,929	596,841	4,594	4,124
30	31	97.365	11.925,647	162.566,704	13,632	13,162	80	81	29.072	107,570	466,912	4,341	3,871
31	32	97.259	11.107,391	150.641,058	13,562	13,092	81	82	25.411	87,669	359,342	4,099	3,629
32	33	97.147	10.344,684	139.533,666	13,488	13,019	82	83	21.818	70,182	271,673	3,871	3,401
33	34	97.029	9.633,640	129.188,982	13,410	12,940	83	84	18.353	55,047	201,491	3,660	3,190
34	35	96.898	8.970,328	119.555,342	13,328	12,858	84	85	15.158	42,391	146,444	3,455	2,985
35	36	96.756	8.351,676	110.585,014	13,241	12,771	85	86	12.316	32,114	104,053	3,240	2,770
36	37	96.600	7.774,563	102.233,338	13,150	12,680	86	87	9.787	23,796	71,939	3,023	2,553
37	38	96.432	7.236,386	94.458,775	13,053	12,583	87	88	7.490	16,979	48,143	2,835	2,366
38	39	96.248	6.734,348	87.222,388	12,952	12,482	88	89	5.528	11,684	31,164	2,667	2,197
39	40	96.039	6.265,442	80.488,041	12,846	12,376	89	90	3.929	7,744	19,480	2,515	2,046
40	41	95.807	5.827,825	74.222,599	12,736	12,266	90	91	2.696	4,954	11,736	2,369	1,899
41	42	95.548	5.419,150	68.394,773	12,621	12,151	91	92	1.766	3,025	6,782	2,242	1,772
42	43	95.259	5.037,549	62.975,624	12,501	12,031	92	93	1.105	1,765	3,756	2,129	1,659
43	44	94.926	4.680,573	57.938,075	12,378	11,909	93	94	660	0,983	1,992	2,025	1,555
44	45	94.559	4.347,307	53.257,502	12,251	11,781	94	95	376	0,522	1,008	1,931	1,461
45	46	94.155	4.036,147	48.910,195	12,118	11,648	95	96	203	0,263	0,486	1,846	1,376
46	47	93.697	3.744,989	44.874,048	11,982	11,513	96	97	104	0,126	0,223	1,768	1,298
47	48	93.198	3.473,212	41.129,059	11,842	11,372	97	98	51	0,057	0,097	1,696	1,226
48	49	92.651	3.219,449	37.655,847	11,696	11,226	98	99	23	0,024	0,040	1,632	1,162
49	50	92.051	2.982,367	34.436,399	11,547	11,077	99	100	10	0,010	0,015	1,572	1,103
							100	101	4	0,004	0,006	1,519	1,049

Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente nach der Sterbetafel 2002/2004

Altersdifferenz zwischen Mann und Frau (x - y) = -2 Jahre

Zinsfuß 7,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	2	99.585	99.584,628	1.444.941,435	14,510	14,040	50	52	91.153	2.753,618	31.197,991	11,330	10,860
1	3	99.111	92.410,903	1.345.356,807	14,558	14,089	51	53	90.427	2.547,029	28.444,374	11,168	10,698
2	4	99.054	86.114,419	1.252.945,904	14,550	14,080	52	54	89.674	2.355,089	25.897,344	10,996	10,526
3	5	99.021	80.266,631	1.166.831,485	14,537	14,067	53	55	88.838	2.175,416	23.542,255	10,822	10,352
4	6	98.990	74.817,247	1.086.564,854	14,523	14,053	54	56	87.945	2.007,977	21.366,839	10,641	10,171
5	7	98.968	69.743,889	1.011.747,607	14,507	14,037	55	57	86.998	1.852,062	19.358,862	10,453	9,983
6	8	98.945	65.014,699	942.003,718	14,489	14,019	56	58	85.961	1.706,289	17.506,800	10,260	9,790
7	9	98.924	60.606,883	876.989,019	14,470	14,000	57	59	84.877	1.570,884	15.800,512	10,058	9,588
8	10	98.906	56.499,285	816.382,136	14,449	13,980	58	60	83.715	1.444,639	14.229,627	9,850	9,380
9	11	98.886	52.669,293	759.882,851	14,427	13,958	59	61	82.461	1.326,802	12.784,989	9,636	9,166
10	12	98.867	49.099,697	707.213,558	14,404	13,934	60	62	81.135	1.217,220	11.458,187	9,413	8,944
11	13	98.849	45.772,414	658.113,861	14,378	13,908	61	63	79.716	1.115,097	10.240,967	9,184	8,714
12	14	98.826	42.667,941	612.341,447	14,351	13,881	62	64	78.223	1.020,243	9.125,869	8,945	8,475
13	15	98.801	39.773,798	569.673,506	14,323	13,853	63	65	76.605	931,599	8.105,627	8,701	8,231
14	16	98.771	37.073,692	529.899,709	14,293	13,823	64	66	74.882	849,079	7.174,028	8,449	7,979
15	17	98.732	34.553,849	492.826,016	14,263	13,793	65	67	73.032	772,132	6.324,949	8,192	7,722
16	18	98.687	32.203,354	458.272,168	14,231	13,761	66	68	71.024	700,138	5.552,817	7,931	7,461
17	19	98.620	30.006,305	426.068,814	14,199	13,729	67	69	68.868	632,994	4.852,679	7,666	7,196
18	20	98.543	27.955,974	396.062,509	14,167	13,697	68	70	66.533	570,194	4.219,685	7,400	6,931
19	21	98.437	26.038,178	368.106,535	14,137	13,667	69	71	64.037	511,703	3.649,491	7,132	6,662
20	22	98.334	24.252,532	342.068,357	14,104	13,635	70	72	61.377	457,290	3.137,789	6,862	6,392
21	23	98.233	22.589,774	317.815,825	14,069	13,599	71	73	58.551	406,750	2.680,499	6,590	6,120
22	24	98.130	21.040,720	295.226,050	14,031	13,561	72	74	55.552	359,828	2.273,749	6,319	5,849
23	25	98.029	19.598,270	274.185,330	13,990	13,520	73	75	52.376	316,325	1.913,920	6,050	5,581
24	26	97.932	18.255,408	254.587,060	13,946	13,476	74	76	49.040	276,152	1.597,596	5,785	5,315
25	27	97.834	17.004,247	236.331,653	13,898	13,428	75	77	45.598	239,415	1.321,444	5,519	5,050
26	28	97.734	15.838,561	219.327,406	13,848	13,378	76	78	42.075	205,983	1.082,028	5,253	4,783
27	29	97.635	14.752,947	203.488,844	13,793	13,323	77	79	38.495	175,715	876,045	4,986	4,516
28	30	97.537	13.741,801	188.735,897	13,734	13,265	78	80	34.857	148,354	700,330	4,721	4,251
29	31	97.433	12.799,258	174.994,096	13,672	13,202	79	81	31.146	123,600	551,976	4,466	3,996
30	32	97.330	11.921,387	162.194,838	13,605	13,135	80	82	27.451	101,573	428,376	4,217	3,748
31	33	97.224	11.103,442	150.273,451	13,534	13,064	81	83	23.769	82,003	326,803	3,985	3,515
32	34	97.109	10.340,551	139.170,009	13,459	12,989	82	84	20.254	65,153	244,800	3,757	3,287
33	35	96.983	9.629,124	128.829,459	13,379	12,909	83	85	16.878	50,623	179,647	3,549	3,079
34	36	96.849	8.965,736	119.200,335	13,295	12,825	84	86	13.842	38,711	129,024	3,333	2,863
35	37	96.702	8.346,954	110.234,599	13,207	12,737	85	87	11.074	28,876	90,313	3,128	2,658
36	38	96.541	7.769,795	101.887,645	13,113	12,643	86	88	8.634	20,991	61,436	2,927	2,457
37	39	96.365	7.231,324	94.117,850	13,015	12,545	87	89	6.505	14,746	40,446	2,743	2,273
38	40	96.171	6.728,959	86.886,525	12,912	12,442	88	90	4.709	9,952	25,700	2,582	2,112
39	41	95.955	6.259,991	80.157,567	12,805	12,335	89	91	3.287	6,478	15,747	2,431	1,961
40	42	95.713	5.822,065	73.897,576	12,693	12,223	90	92	2.191	4,026	9,269	2,302	1,833
41	43	95.440	5.413,055	68.075,511	12,576	12,106	91	93	1.403	2,404	5,243	2,181	1,711
42	44	95.135	5.031,010	62.662,457	12,455	11,985	92	94	857	1,369	2,839	2,073	1,603
43	45	94.793	4.674,057	57.631,446	12,330	11,860	93	95	500	0,744	1,470	1,975	1,505
44	46	94.409	4.340,412	52.957,389	12,201	11,731	94	96	277	0,385	0,726	1,885	1,416
45	47	93.986	4.028,898	48.616,977	12,067	11,597	95	97	146	0,189	0,341	1,804	1,334
46	48	93.515	3.737,706	44.588,079	11,929	11,459	96	98	73	0,088	0,152	1,729	1,260
47	49	93.000	3.465,849	40.850,372	11,787	11,317	97	99	34	0,039	0,064	1,662	1,192
48	50	92.428	3.211,700	37.384,524	11,640	11,170	98	100	15	0,016	0,026	1,600	1,130
49	51	91.818	2.974,832	34.172,823	11,487	11,017	99	101	6	0,006	0,010	1,544	1,074
							100	102	2	0,002	0,003	1,493	1,023

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -3 Jahre

Zinsfuß 7,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	3	99.565	99.564,939	1.444.327,006	14,506	14,036	50	53	90.877	2.745,293	30.921,785	11,264	10,794
1	4	99.094	92.395,041	1.344.762,067	14,554	14,085	51	54	90.141	2.538,987	28.176,492	11,098	10,628
2	5	99.041	86.103,297	1.252.367,026	14,545	14,075	52	55	89.362	2.346,898	25.637,505	10,924	10,454
3	6	99.008	80.256,138	1.166.263,729	14,532	14,062	53	56	88.502	2.167,178	23.290,607	10,747	10,277
4	7	98.981	74.810,353	1.086.007,591	14,517	14,047	54	57	87.592	1.999,916	21.123,429	10,562	10,092
5	8	98.959	69.737,815	1.011.197,238	14,500	14,030	55	58	86.609	1.843,796	19.123,513	10,372	9,902
6	9	98.936	65.008,458	941.459,423	14,482	14,012	56	59	85.547	1.698,072	17.279,717	10,176	9,706
7	10	98.918	60.602,966	876.450,965	14,462	13,992	57	60	84.446	1.562,898	15.581,646	9,970	9,500
8	11	98.897	56.494,534	815.847,998	14,441	13,971	58	61	83.254	1.436,687	14.018,747	9,758	9,288
9	12	98.876	52.664,354	759.353,464	14,419	13,949	59	62	81.997	1.319,336	12.582,060	9,537	9,067
10	13	98.859	49.095,527	706.689,111	14,394	13,924	60	63	80.624	1.209,560	11.262,725	9,311	8,842
11	14	98.840	45.767,979	657.593,584	14,368	13,898	61	64	79.174	1.107,513	10.053,165	9,077	8,607
12	15	98.814	42.662,969	611.825,605	14,341	13,871	62	65	77.651	1.012,782	8.945,652	8,833	8,363
13	16	98.783	39.766,691	569.162,635	14,313	13,843	63	66	75.980	923,990	7.932,870	8,585	8,116
14	17	98.750	37.065,841	529.395,944	14,283	13,813	64	67	74.204	841,390	7.008,880	8,330	7,860
15	18	98.710	34.546,246	492.330,103	14,251	13,781	65	68	72.290	764,283	6.167,491	8,070	7,600
16	19	98.658	32.194,093	457.783,857	14,219	13,750	66	69	70.212	692,130	5.403,208	7,807	7,337
17	20	98.593	29.997,987	425.589,764	14,187	13,717	67	70	67.990	624,918	4.711,078	7,539	7,069
18	21	98.512	27.947,144	395.591,778	14,155	13,685	68	71	65.588	562,089	4.086,160	7,270	6,800
19	22	98.413	26.031,807	367.644,634	14,123	13,653	69	72	62.999	503,407	3.524,070	7,000	6,531
20	23	98.307	24.245,966	341.612,827	14,089	13,620	70	73	60.270	449,045	3.020,663	6,727	6,257
21	24	98.207	22.583,880	317.366,861	14,053	13,583	71	74	57.358	398,464	2.571,618	6,454	5,984
22	25	98.103	21.035,004	294.782,980	14,014	13,544	72	75	54.288	351,638	2.173,154	6,180	5,710
23	26	98.005	19.593,447	273.747,976	13,971	13,502	73	76	51.018	308,123	1.821,517	5,912	5,442
24	27	97.905	18.250,297	254.154,528	13,926	13,456	74	77	47.620	268,158	1.513,393	5,644	5,174
25	28	97.806	16.999,291	235.904,232	13,877	13,407	75	78	44.115	231,627	1.245,236	5,376	4,906
26	29	97.705	15.833,860	218.904,940	13,825	13,355	76	79	40.516	198,349	1.013,609	5,110	4,640
27	30	97.607	14.748,629	203.071,080	13,769	13,299	77	80	36.875	168,323	815,260	4,843	4,374
28	31	97.505	13.737,302	188.322,451	13,709	13,239	78	81	33.159	141,127	646,936	4,584	4,114
29	32	97.398	12.794,686	174.585,149	13,645	13,175	79	82	29.410	116,710	505,809	4,334	3,864
30	33	97.295	11.917,148	161.790,463	13,576	13,106	80	83	25.677	95,009	389,099	4,095	3,625
31	34	97.185	11.099,005	149.873,316	13,503	13,033	81	84	22.066	76,127	294,090	3,863	3,393
32	35	97.063	10.335,703	138.774,310	13,427	12,957	82	85	18.626	59,917	217,963	3,638	3,168
33	36	96.934	9.624,194	128.438,608	13,345	12,875	83	86	15.413	46,228	158,046	3,419	2,949
34	37	96.794	8.960,666	118.814,414	13,260	12,790	84	87	12.447	34,808	111,818	3,212	2,743
35	38	96.642	8.341,835	109.853,748	13,169	12,699	85	88	9.769	25,473	77,010	3,023	2,553
36	39	96.474	7.764,360	101.511,912	13,074	12,604	86	89	7.498	18,230	51,537	2,827	2,357
37	40	96.288	7.225,538	93.747,552	12,974	12,505	87	90	5.541	12,560	33,308	2,652	2,182
38	41	96.088	6.723,104	86.522,015	12,869	12,399	88	91	3.939	8,326	20,747	2,492	2,022
39	42	95.860	6.253,803	79.798,910	12,760	12,290	89	92	2.671	5,264	12,422	2,360	1,890
40	43	95.605	5.815,517	73.545,107	12,646	12,176	90	93	1.741	3,199	7,158	2,238	1,768
41	44	95.316	5.406,028	67.729,590	12,529	12,059	91	94	1.089	1,866	3,959	2,122	1,652
42	45	95.003	5.024,007	62.323,562	12,405	11,935	92	95	649	1,036	2,093	2,020	1,550
43	46	94.643	4.666,644	57.299,555	12,279	11,809	93	96	368	0,549	1,057	1,926	1,456
44	47	94.239	4.332,617	52.632,910	12,148	11,678	94	97	199	0,276	0,508	1,841	1,371
45	48	93.804	4.021,063	48.300,293	12,012	11,542	95	98	102	0,132	0,232	1,763	1,293
46	49	93.317	3.729,783	44.279,230	11,872	11,402	96	99	49	0,059	0,100	1,693	1,223
47	50	92.776	3.457,507	40.549,448	11,728	11,258	97	100	22	0,025	0,041	1,628	1,158
48	51	92.195	3.203,586	37.091,940	11,578	11,108	98	101	10	0,010	0,016	1,569	1,100
49	52	91.563	2.966,570	33.888,355	11,423	10,954	99	102	4	0,004	0,006	1,516	1,046
							100	103	1	0,001	0,002	1,467	0,997

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -4 Jahre

Zinsfuß 7,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	4	99.548	99.547,849	1.443.678,388	14,502	14,032	50	54	90.590	2.736,625	30.624,193	11,190	10,721
1	5	99.081	92.383,108	1.344.130,539	14,550	14,080	51	55	89.828	2.530,156	27.887,569	11,022	10,552
2	6	99.028	86.092,041	1.251.747,431	14,540	14,070	52	56	89.024	2.338,010	25.357,413	10,846	10,376
3	7	98.999	80.248,743	1.165.655,390	14,526	14,056	53	57	88.146	2.158,477	23.019,403	10,665	10,195
4	8	98.972	74.803,838	1.085.406,647	14,510	14,040	54	58	87.201	1.990,990	20.860,926	10,478	10,008
5	9	98.949	69.731,121	1.010.602,809	14,493	14,023	55	59	86.192	1.834,917	18.869,936	10,284	9,814
6	10	98.929	65.004,258	940.871,689	14,474	14,004	56	60	85.112	1.689,439	17.035,019	10,083	9,613
7	11	98.910	60.597,870	875.867,431	14,454	13,984	57	61	83.981	1.554,296	15.345,580	9,873	9,403
8	12	98.888	56.489,236	815.269,561	14,432	13,962	58	62	82.786	1.428,602	13.791,284	9,654	9,184
9	13	98.868	52.659,881	758.780,325	14,409	13,939	59	63	81.481	1.311,033	12.362,682	9,430	8,960
10	14	98.849	49.090,770	706.120,444	14,384	13,914	60	64	80.076	1.201,332	11.051,648	9,199	8,730
11	15	98.828	45.762,646	657.029,673	14,357	13,887	61	65	78.595	1.099,414	9.850,316	8,960	8,490
12	16	98.796	42.655,347	611.267,027	14,330	13,860	62	66	77.017	1.004,510	8.750,902	8,712	8,242
13	17	98.763	39.758,270	568.611,681	14,302	13,832	63	67	75.292	915,622	7.746,392	8,460	7,990
14	18	98.728	37.057,686	528.853,411	14,271	13,801	64	68	73.449	832,837	6.830,770	8,202	7,732
15	19	98.681	34.536,311	491.795,725	14,240	13,770	65	69	71.463	755,541	5.997,933	7,939	7,469
16	20	98.631	32.185,168	457.259,415	14,207	13,737	66	70	69.316	683,300	5.242,392	7,672	7,202
17	21	98.562	29.988,512	425.074,246	14,175	13,705	67	71	67.023	616,036	4.559,092	7,401	6,931
18	22	98.488	27.940,306	395.085,735	14,140	13,670	68	72	64.524	552,976	3.943,056	7,131	6,661
19	23	98.386	26.024,759	367.145,429	14,108	13,638	69	73	61.863	494,331	3.390,080	6,858	6,388
20	24	98.282	24.239,640	341.120,669	14,073	13,603	70	74	59.042	439,897	2.895,749	6,583	6,113
21	25	98.180	22.577,745	316.881,029	14,035	13,565	71	75	56.053	389,394	2.455,852	6,307	5,837
22	26	98.079	21.029,828	294.303,284	13,995	13,525	72	76	52.880	342,521	2.066,458	6,033	5,563
23	27	97.978	19.587,962	273.273,456	13,951	13,481	73	77	49.542	299,204	1.723,937	5,762	5,292
24	28	97.877	18.244,978	253.685,494	13,904	13,435	74	78	46.071	259,434	1.424,733	5,492	5,022
25	29	97.776	16.994,246	235.440,516	13,854	13,384	75	79	42.480	223,042	1.165,299	5,225	4,755
26	30	97.676	15.829,225	218.446,270	13,800	13,330	76	80	38.812	190,005	942,258	4,959	4,489
27	31	97.575	14.743,800	202.617,045	13,743	13,273	77	81	35.079	160,124	752,252	4,698	4,228
28	32	97.470	13.732,395	187.873,245	13,681	13,211	78	82	31.311	133,260	592,128	4,443	3,973
29	33	97.364	12.790,137	174.140,850	13,615	13,145	79	83	27.509	109,167	458,868	4,203	3,733
30	34	97.256	11.912,386	161.350,713	13,545	13,075	80	84	23.837	88,201	349,701	3,965	3,495
31	35	97.140	11.093,802	149.438,328	13,470	13,001	81	85	20.293	70,009	261,500	3,735	3,265
32	36	97.013	10.330,411	138.344,526	13,392	12,922	82	86	17.009	54,715	191,490	3,500	3,030
33	37	96.879	9.618,752	128.014,114	13,309	12,839	83	87	13.859	41,567	136,775	3,290	2,821
34	38	96.735	8.955,171	118.395,362	13,221	12,751	84	88	10.980	30,705	95,208	3,101	2,631
35	39	96.575	8.336,000	109.440,191	13,129	12,659	85	89	8.484	22,122	64,503	2,916	2,446
36	40	96.396	7.758,147	101.104,191	13,032	12,562	86	90	6.387	15,528	42,381	2,729	2,259
37	41	96.204	7.219,251	93.346,045	12,930	12,460	87	91	4.635	10,507	26,853	2,556	2,086
38	42	95.993	6.716,459	86.126,793	12,823	12,353	88	92	3.201	6,765	16,346	2,416	1,946
39	43	95.753	6.246,770	79.410,334	12,712	12,242	89	93	2.122	4,183	9,581	2,290	1,821
40	44	95.481	5.807,968	73.163,565	12,597	12,127	90	94	1.351	2,482	5,398	2,174	1,704
41	45	95.184	5.398,503	67.355,597	12,477	12,007	91	95	824	1,412	2,915	2,065	1,595
42	46	94.852	5.016,039	61.957,094	12,352	11,882	92	96	478	0,764	1,503	1,967	1,498
43	47	94.473	4.658,263	56.941,054	12,224	11,754	93	97	264	0,393	0,739	1,879	1,409
44	48	94.056	4.324,191	52.282,791	12,091	11,621	94	98	138	0,192	0,346	1,798	1,328
45	49	93.605	4.012,539	47.958,600	11,952	11,482	95	99	69	0,089	0,153	1,724	1,254
46	50	93.092	3.720,806	43.946,061	11,811	11,341	96	100	32	0,039	0,064	1,657	1,187
47	51	92.542	3.448,772	40.225,255	11,664	11,194	97	101	14	0,016	0,026	1,596	1,126
48	52	91.939	3.194,688	36.776,483	11,512	11,042	98	102	6	0,006	0,010	1,540	1,070
49	53	91.287	2.957,601	33.581,795	11,354	10,885	99	103	2	0,002	0,003	1,489	1,019
							100	104	1	0,001	0,001	1,443	0,973

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -5 Jahre

Zinsfuß 7,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	5	99.535	99.534,992	1.442.989,863	14,497	14,027	50	55	90.275	2.727,106	30.303,597	11,112	10,642
1	6	99.068	92.371,031	1.343.454,871	14,544	14,074	51	56	89.487	2.520,575	27.576,491	10,941	10,471
2	7	99.019	86.084,108	1.251.083,839	14,533	14,063	52	57	88.666	2.328,624	25.055,916	10,760	10,290
3	8	98.990	80.241,754	1.164.999,731	14,519	14,049	53	58	87.753	2.148,844	22.727,293	10,577	10,107
4	9	98.963	74.796,657	1.084.757,977	14,503	14,033	54	59	86.781	1.981,402	20.578,449	10,386	9,916
5	10	98.943	69.726,615	1.009.961,320	14,485	14,015	55	60	85.754	1.825,589	18.597,047	10,187	9,717
6	11	98.921	64.998,791	940.234,705	14,465	13,996	56	61	84.644	1.680,140	16.771,458	9,982	9,512
7	12	98.900	60.592,187	875.235,914	14,445	13,975	57	62	83.508	1.545,549	15.091,318	9,764	9,294
8	13	98.880	56.484,438	814.643,726	14,422	13,953	58	63	82.265	1.419,612	13.545,769	9,542	9,072
9	14	98.858	52.654,779	758.159,288	14,399	13,929	59	64	80.926	1.302,116	12.126,157	9,313	8,843
10	15	98.838	49.085,050	705.504,509	14,373	13,903	60	65	79.490	1.192,547	10.824,041	9,076	8,607
11	16	98.811	45.754,469	656.419,459	14,347	13,877	61	66	77.953	1.090,434	9.631,494	8,833	8,363
12	17	98.775	42.646,313	610.664,990	14,319	13,849	62	67	76.320	995,413	8.541,059	8,580	8,111
13	18	98.741	39.749,522	568.018,676	14,290	13,820	63	68	74.526	906,315	7.545,647	8,326	7,856
14	19	98.700	37.047,028	528.269,154	14,259	13,790	64	69	72.609	823,311	6.639,332	8,064	7,594
15	20	98.654	34.526,737	491.222,126	14,227	13,759	65	70	70.552	745,902	5.816,021	7,797	7,327
16	21	98.600	32.175,002	456.695,389	14,194	13,724	66	71	68.331	673,588	5.070,119	7,527	7,057
17	22	98.538	29.981,174	424.520,386	14,160	13,690	67	72	65.937	606,049	4.396,531	7,254	6,785
18	23	98.461	27.932,741	394.539,212	14,125	13,655	68	73	63.361	543,007	3.790,483	6,981	6,511
19	24	98.361	26.017,969	366.606,471	14,091	13,621	69	74	60.603	484,260	3.247,476	6,706	6,236
20	25	98.255	24.233,055	340.588,501	14,055	13,585	70	75	57.698	429,884	2.763,215	6,428	5,958
21	26	98.156	22.572,189	316.355,446	14,015	13,545	71	76	54.600	379,298	2.333,331	6,152	5,682
22	27	98.052	21.023,941	293.783,257	13,974	13,504	72	77	51.349	332,605	1.954,033	5,875	5,405
23	28	97.949	19.582,254	272.759,317	13,929	13,459	73	78	47.930	289,470	1.621,428	5,601	5,131
24	29	97.847	18.239,563	253.177,063	13,881	13,411	74	79	44.363	249,819	1.331,958	5,332	4,862
25	30	97.748	16.989,271	234.937,500	13,829	13,359	75	80	40.693	213,659	1.082,139	5,065	4,595
26	31	97.644	15.824,043	217.948,229	13,773	13,303	76	81	36.921	180,749	868,480	4,805	4,335
27	32	97.540	14.738,534	202.124,187	13,714	13,244	77	82	33.124	151,198	687,730	4,549	4,079
28	33	97.435	13.727,512	187.385,653	13,650	13,180	78	83	29.287	124,649	536,533	4,304	3,834
29	34	97.325	12.785,026	173.658,141	13,583	13,113	79	84	25.538	101,345	411,884	4,064	3,594
30	35	97.211	11.906,801	160.873,115	13,511	13,041	80	85	21.922	81,113	310,540	3,828	3,359
31	36	97.090	11.088,122	148.966,314	13,435	12,965	81	86	18.531	63,931	229,426	3,589	3,119
32	37	96.958	10.324,570	137.878,192	13,354	12,884	82	87	15.294	49,199	165,496	3,364	2,894
33	38	96.820	9.612,854	127.553,622	13,269	12,799	83	88	12.225	36,667	116,297	3,172	2,702
34	39	96.667	8.948,907	117.940,768	13,179	12,709	84	89	9.535	26,667	79,629	2,986	2,516
35	40	96.497	8.329,329	108.991,861	13,085	12,615	85	90	7.226	18,843	52,963	2,811	2,341
36	41	96.313	7.751,397	100.662,533	12,986	12,516	86	91	5.343	12,990	34,120	2,627	2,157
37	42	96.109	7.212,115	92.911,135	12,883	12,413	87	92	3.766	8,538	21,130	2,475	2,005
38	43	95.885	6.708,905	85.699,020	12,774	12,304	88	93	2.543	5,376	12,592	2,342	1,872
39	44	95.628	6.238,661	78.990,115	12,661	12,191	89	94	1.647	3,246	7,216	2,223	1,753
40	45	95.348	5.799,883	72.751,454	12,544	12,074	90	95	1.022	1,879	3,970	2,113	1,643
41	46	95.033	5.389,941	66.951,571	12,422	11,952	91	96	608	1,041	2,091	2,009	1,539
42	47	94.682	5.007,030	61.561,629	12,295	11,825	92	97	343	0,548	1,050	1,917	1,447
43	48	94.289	4.649,204	56.554,599	12,164	11,694	93	98	184	0,274	0,502	1,833	1,363
44	49	93.857	4.315,024	51.905,394	12,029	11,559	94	99	94	0,130	0,228	1,756	1,286
45	50	93.379	4.002,882	47.590,370	11,889	11,419	95	100	45	0,058	0,098	1,686	1,216
46	51	92.857	3.711,405	43.587,488	11,744	11,274	96	101	20	0,025	0,040	1,622	1,153
47	52	92.285	3.439,194	39.876,083	11,595	11,125	97	102	9	0,010	0,015	1,564	1,094
48	53	91.661	3.185,030	36.436,890	11,440	10,970	98	103	3	0,004	0,006	1,511	1,042
49	54	90.998	2.948,263	33.251,860	11,278	10,809	99	104	1	0,001	0,002	1,463	0,993
							100	105	0	0,000	0,001	1,419	0,949

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -6 Jahre

Zinsfuß 7,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	6	99.522	99.521,980	1.442.253,551	14,492	14,022	50	56	89.933	2.716,779	29.958,827	11,027	10,557
1	7	99.059	92.362,520	1.342.731,571	14,538	14,068	51	57	89.128	2.510,455	27.242,048	10,851	10,382
2	8	99.010	86.076,611	1.250.369,051	14,526	14,056	52	58	88.271	2.318,231	24.731,593	10,668	10,198
3	9	98.981	80.234,052	1.164.292,440	14,511	14,041	53	59	87.330	2.138,496	22.413,362	10,481	10,011
4	10	98.956	74.791,824	1.084.058,388	14,494	14,024	54	60	86.340	1.971,329	20.274,867	10,285	9,815
5	11	98.935	69.720,751	1.009.266,564	14,476	14,006	55	61	85.282	1.815,540	18.303,538	10,082	9,612
6	12	98.912	64.992,696	939.545,813	14,456	13,986	56	62	84.167	1.670,685	16.487,997	9,869	9,399
7	13	98.892	60.587,041	874.553,117	14,435	13,965	57	63	82.983	1.535,823	14.817,312	9,648	9,178
8	14	98.870	56.478,966	813.966,075	14,412	13,942	58	64	81.705	1.409,956	13.281,489	9,420	8,950
9	15	98.847	52.648,643	757.487,110	14,388	13,918	59	65	80.335	1.292,594	11.871,533	9,184	8,714
10	16	98.820	49.076,280	704.838,467	14,362	13,892	60	66	78.841	1.182,807	10.578,939	8,944	8,474
11	17	98.790	45.744,780	655.762,187	14,335	13,865	61	67	77.247	1.080,559	9.396,132	8,696	8,226
12	18	98.754	42.636,930	610.017,407	14,307	13,837	62	68	75.544	985,294	8.315,573	8,440	7,970
13	19	98.712	39.738,090	567.380,477	14,278	13,808	63	69	73.674	895,949	7.330,279	8,182	7,712
14	20	98.672	37.036,759	527.642,386	14,246	13,777	64	70	71.683	812,807	6.434,330	7,916	7,446
15	21	98.623	34.515,832	490.605,628	14,214	13,744	65	71	69.549	735,300	5.621,523	7,645	7,175
16	22	98.576	32.167,130	456.089,796	14,179	13,709	66	72	67.223	662,667	4.886,223	7,374	6,904
17	23	98.511	29.973,057	423.922,666	14,143	13,674	67	73	64.748	595,122	4.223,556	7,097	6,627
18	24	98.435	27.925,454	393.949,608	14,107	13,637	68	74	62.070	531,944	3.628,433	6,821	6,351
19	25	98.334	26.010,901	366.024,155	14,072	13,602	69	75	59.223	473,238	3.096,489	6,543	6,073
20	26	98.231	24.227,092	340.013,254	14,034	13,565	70	76	56.202	418,739	2.623,251	6,265	5,795
21	27	98.129	22.565,870	315.786,162	13,994	13,524	71	77	53.019	368,318	2.204,513	5,985	5,515
22	28	98.023	21.017,814	293.220,292	13,951	13,481	72	78	49.679	321,785	1.836,195	5,706	5,236
23	29	97.920	19.576,441	272.202,479	13,905	13,435	73	79	46.153	278,741	1.514,410	5,433	4,963
24	30	97.819	18.234,224	252.626,038	13,854	13,385	74	80	42.497	239,310	1.235,669	5,163	4,694
25	31	97.716	16.983,709	234.391,814	13,801	13,331	75	81	38.711	203,251	996,359	4,902	4,432
26	32	97.610	15.818,390	217.408,105	13,744	13,274	76	82	34.863	170,674	793,108	4,647	4,177
27	33	97.505	14.733,293	201.589,715	13,683	13,213	77	83	30.983	141,427	622,434	4,401	3,931
28	34	97.396	13.722,027	186.856,422	13,617	13,147	78	84	27.188	115,716	481,007	4,157	3,687
29	35	97.279	12.779,032	173.134,396	13,548	13,078	79	85	23.486	93,200	365,291	3,919	3,450
30	36	97.161	11.900,705	160.355,363	13,474	13,005	80	86	20.018	74,071	272,090	3,673	3,203
31	37	97.035	11.081,852	148.454,658	13,396	12,926	81	87	16.663	57,486	198,020	3,445	2,975
32	38	96.899	10.318,239	137.372,806	13,314	12,844	82	88	13.492	43,399	140,534	3,238	2,768
33	39	96.752	9.606,129	127.054,567	13,226	12,757	83	89	10.617	31,845	97,135	3,050	2,580
34	40	96.590	8.941,745	117.448,438	13,135	12,665	84	90	8.122	22,714	65,290	2,874	2,405
35	41	96.413	8.322,083	108.506,692	13,038	12,569	85	91	6.045	15,763	42,576	2,701	2,231
36	42	96.217	7.743,735	100.184,610	12,938	12,468	86	92	4.341	10,555	26,813	2,540	2,070
37	43	96.001	7.204,004	92.440,875	12,832	12,362	87	93	2.993	6,784	16,258	2,396	1,926
38	44	95.760	6.700,197	85.236,871	12,722	12,252	88	94	1.974	4,172	9,473	2,271	1,801
39	45	95.495	6.229,977	78.536,674	12,606	12,136	89	95	1.247	2,457	5,302	2,158	1,688
40	46	95.197	5.790,685	72.306,697	12,487	12,017	90	96	754	1,385	2,845	2,054	1,584
41	47	94.862	5.380,261	66.516,012	12,363	11,893	91	97	436	0,747	1,460	1,955	1,486
42	48	94.498	4.997,294	61.135,751	12,234	11,764	92	98	239	0,382	0,713	1,868	1,398
43	49	94.089	4.639,348	56.138,458	12,101	11,631	93	99	124	0,185	0,331	1,788	1,319
44	50	93.631	4.304,639	51.499,109	11,964	11,494	94	100	61	0,085	0,146	1,716	1,246
45	51	93.144	3.992,768	47.194,470	11,820	11,350	95	101	29	0,037	0,061	1,650	1,180
46	52	92.599	3.701,098	43.201,702	11,673	11,203	96	102	13	0,015	0,024	1,589	1,119
47	53	92.006	3.428,796	39.500,605	11,520	11,050	97	103	5	0,006	0,009	1,534	1,064
48	54	91.371	3.174,973	36.071,809	11,361	10,891	98	104	2	0,002	0,003	1,484	1,014
49	55	90.682	2.938,008	32.896,835	11,197	10,727	99	105	1	0,001	0,001	1,438	0,968
							100	106					

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -7 Jahre

Zinsfuß 7,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	7	99.513	99.512,810	1.441.465,754	14,485	14,015	50	57	89.572	2.705,872	29.588,620	10,935	10,465
1	8	99.050	92.354,476	1.341.952,944	14,530	14,061	51	58	88.730	2.499,251	26.882,748	10,756	10,286
2	9	99.001	86.068,349	1.249.598,468	14,519	14,049	52	59	87.846	2.307,067	24.383,497	10,569	10,099
3	10	98.974	80.228,867	1.163.530,120	14,503	14,033	53	60	86.886	2.127,624	22.076,430	10,376	9,906
4	11	98.948	74.785,535	1.083.301,253	14,485	14,016	54	61	85.865	1.960,479	19.948,806	10,175	9,706
5	12	98.925	69.714,213	1.008.515,718	14,466	13,997	55	62	84.802	1.805,323	17.988,328	9,964	9,494
6	13	98.903	64.987,176	938.801,505	14,446	13,976	56	63	83.638	1.660,172	16.183,004	9,748	9,278
7	14	98.882	60.581,171	873.814,329	14,424	13,954	57	64	82.418	1.525,377	14.522,832	9,521	9,051
8	15	98.859	56.472,384	813.233,158	14,401	13,931	58	65	81.108	1.399,645	12.997,456	9,286	8,816
9	16	98.829	52.639,236	756.760,773	14,376	13,906	59	66	79.679	1.282,037	11.597,810	9,046	8,576
10	17	98.799	49.065,887	704.121,537	14,351	13,881	60	67	78.127	1.172,095	10.315,774	8,801	8,331
11	18	98.768	45.734,715	655.055,650	14,323	13,853	61	68	76.462	1.069,575	9.143,678	8,549	8,079
12	19	98.725	42.624,668	609.320,935	14,295	13,825	62	69	74.680	974,025	8.074,104	8,289	7,820
13	20	98.685	39.727,075	566.696,267	14,265	13,795	63	70	72.734	884,518	7.100,079	8,027	7,557
14	21	98.641	37.025,060	526.969,192	14,233	13,763	64	71	70.664	801,254	6.215,561	7,757	7,287
15	22	98.599	34.507,387	489.944,132	14,198	13,728	65	72	68.421	723,379	5.414,306	7,485	7,015
16	23	98.549	32.158,421	455.436,745	14,162	13,692	66	73	66.011	650,720	4.690,927	7,209	6,739
17	24	98.485	29.965,237	423.278,324	14,126	13,656	67	74	63.429	582,998	4.040,207	6,930	6,460
18	25	98.409	27.917,867	393.313,087	14,088	13,618	68	75	60.657	519,836	3.457,209	6,651	6,181
19	26	98.310	26.004,500	365.395,220	14,051	13,581	69	76	57.688	460,968	2.937,373	6,372	5,902
20	27	98.203	24.220,309	339.390,719	14,013	13,543	70	77	54.575	406,617	2.476,405	6,090	5,620
21	28	98.100	22.559,294	315.170,410	13,971	13,501	71	78	51.294	356,335	2.069,788	5,809	5,339
22	29	97.994	21.011,575	292.611,117	13,926	13,456	72	79	47.838	309,859	1.713,453	5,530	5,060
23	30	97.891	19.570,711	271.599,541	13,878	13,408	73	80	44.212	267,016	1.403,594	5,257	4,787
24	31	97.787	18.228,254	252.028,831	13,826	13,356	74	81	40.427	227,652	1.136,578	4,993	4,523
25	32	97.681	16.977,642	233.800,577	13,771	13,301	75	82	36.553	191,921	908,926	4,736	4,266
26	33	97.575	15.812,765	216.822,935	13,712	13,242	76	83	32.610	159,644	717,005	4,491	4,021
27	34	97.466	14.727,406	201.010,170	13,649	13,179	77	84	28.763	131,292	557,361	4,245	3,775
28	35	97.351	13.715,593	186.282,764	13,582	13,112	78	85	25.004	106,417	426,068	4,004	3,534
29	36	97.229	12.772,490	172.567,170	13,511	13,041	79	86	21.447	85,108	319,651	3,756	3,286
30	37	97.106	11.893,976	159.794,681	13,435	12,965	80	87	18.000	66,603	234,543	3,521	3,052
31	38	96.976	11.075,057	147.900,705	13,354	12,884	81	88	14.698	50,709	167,939	3,312	2,842
32	39	96.831	10.311,021	136.825,648	13,270	12,800	82	89	11.717	37,691	117,230	3,110	2,640
33	40	96.674	9.598,442	126.514,627	13,181	12,711	83	90	9.044	27,124	79,539	2,932	2,462
34	41	96.506	8.933,966	116.916,185	13,087	12,617	84	91	6.794	19,001	52,414	2,759	2,289
35	42	96.318	8.313,856	107.982,219	12,988	12,518	85	92	4.912	12,809	33,413	2,609	2,139
36	43	96.109	7.735,026	99.668,362	12,885	12,415	86	93	3.450	8,387	20,604	2,457	1,987
37	44	95.876	7.194,653	91.933,336	12,778	12,308	87	94	2.322	5,265	12,217	2,320	1,851
38	45	95.627	6.690,870	84.738,683	12,665	12,195	88	95	1.494	3,157	6,952	2,202	1,732
39	46	95.344	6.220,096	78.047,813	12,548	12,078	89	96	919	1,811	3,795	2,095	1,625
40	47	95.026	5.780,285	71.827,717	12,426	11,956	90	97	541	0,993	1,984	1,997	1,527
41	48	94.678	5.369,798	66.047,433	12,300	11,830	91	98	304	0,520	0,990	1,904	1,434
42	49	94.297	4.986,700	60.677,634	12,168	11,698	92	99	162	0,258	0,470	1,821	1,351
43	50	93.863	4.628,183	55.690,935	12,033	11,563	93	100	82	0,121	0,212	1,746	1,276
44	51	93.394	4.293,763	51.062,752	11,892	11,422	94	101	39	0,054	0,091	1,677	1,207
45	52	92.885	3.981,679	46.768,989	11,746	11,276	95	102	17	0,023	0,037	1,614	1,144
46	53	92.319	3.689,908	42.787,310	11,596	11,126	96	103	7	0,009	0,014	1,557	1,087
47	54	91.715	3.417,970	39.097,401	11,439	10,969	97	104	3	0,003	0,005	1,505	1,035
48	55	91.054	3.163,930	35.679,432	11,277	10,807	98	105	1	0,001	0,002	1,457	0,988
49	56	90.339	2.926,882	32.515,502	11,109	10,639	99	106					
							100	107					

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -8 Jahre

Zinsfuß 7,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	8	99.504	99.504,143	1.440.618,233	14,478	14,008	50	58	89.172	2.693,795	29.191,405	10,837	10,367
1	9	99.041	92.345,611	1.341.114,090	14,523	14,053	51	59	88.303	2.487,215	26.497,610	10,654	10,184
2	10	98.994	86.062,787	1.248.768,479	14,510	14,040	52	60	87.399	2.295,339	24.010,394	10,461	9,991
3	11	98.966	80.222,121	1.162.705,692	14,494	14,024	53	61	86.408	2.115,913	21.715,056	10,263	9,793
4	12	98.939	74.778,521	1.082.483,572	14,476	14,006	54	62	85.382	1.949,446	19.599,143	10,054	9,584
5	13	98.917	69.708,292	1.007.705,050	14,456	13,986	55	63	84.268	1.793,963	17.649,696	9,838	9,368
6	14	98.894	64.980,880	937.996,758	14,435	13,965	56	64	83.069	1.648,880	15.855,734	9,616	9,146
7	15	98.871	60.574,112	873.015,879	14,412	13,942	57	65	81.816	1.514,222	14.206,854	9,382	8,912
8	16	98.841	56.462,295	812.441,767	14,389	13,919	58	66	80.445	1.388,214	12.692,632	9,143	8,673
9	17	98.808	52.628,089	755.979,472	14,365	13,895	59	67	78.957	1.270,426	11.304,418	8,898	8,428
10	18	98.777	49.055,091	703.351,383	14,338	13,868	60	68	77.333	1.160,181	10.033,993	8,649	8,179
11	19	98.740	45.721,562	654.296,292	14,310	13,841	61	69	75.588	1.057,342	8.873,812	8,393	7,923
12	20	98.698	42.612,852	608.574,730	14,281	13,812	62	70	73.727	961,598	7.816,470	8,129	7,659
13	21	98.654	39.714,527	565.961,877	14,251	13,781	63	71	71.700	871,946	6.854,872	7,862	7,392
14	22	98.617	37.016,001	526.247,351	14,217	13,747	64	72	69.518	788,264	5.982,926	7,590	7,120
15	23	98.572	34.498,044	489.231,349	14,181	13,712	65	73	67.188	710,337	5.194,662	7,313	6,843
16	24	98.523	32.150,031	454.733,305	14,144	13,674	66	74	64.666	637,463	4.484,325	7,035	6,565
17	25	98.459	29.957,096	422.583,274	14,106	13,636	67	75	61.985	569,728	3.846,862	6,752	6,282
18	26	98.385	27.910,997	392.626,178	14,067	13,597	68	76	59.085	506,358	3.277,133	6,472	6,002
19	27	98.282	25.997,220	364.715,181	14,029	13,559	69	77	56.018	447,624	2.770,775	6,190	5,720
20	28	98.175	24.213,251	338.717,961	13,989	13,519	70	78	52.800	393,389	2.323,151	5,905	5,436
21	29	98.071	22.552,597	314.504,710	13,945	13,475	71	79	49.393	343,129	1.929,763	5,624	5,154
22	30	97.965	21.005,425	291.952,113	13,899	13,429	72	80	45.825	296,824	1.586,634	5,345	4,875
23	31	97.859	19.564,303	270.946,688	13,849	13,379	73	81	42.058	254,008	1.289,810	5,078	4,608
24	32	97.752	18.221,742	251.382,385	13,796	13,326	74	82	38.173	214,962	1.035,801	4,819	4,349
25	33	97.646	16.971,605	233.160,642	13,738	13,268	75	83	34.191	179,518	820,840	4,572	4,103
26	34	97.536	15.806,447	216.189,037	13,677	13,207	76	84	30.273	148,204	641,321	4,327	3,857
27	35	97.420	14.720,501	200.382,590	13,612	13,143	77	85	26.451	120,741	493,117	4,084	3,614
28	36	97.301	13.708,572	185.662,089	13,544	13,074	78	86	22.833	97,178	372,375	3,832	3,362
29	37	97.174	12.765,268	171.953,517	13,470	13,001	79	87	19.284	76,528	275,198	3,596	3,126
30	38	97.046	11.886,682	159.188,250	13,392	12,922	80	88	15.878	58,752	198,669	3,381	2,912
31	39	96.908	11.067,310	147.301,567	13,310	12,840	81	89	12.765	44,040	139,917	3,177	2,707
32	40	96.754	10.302,769	136.234,258	13,223	12,753	82	90	9.980	32,104	95,878	2,986	2,517
33	41	96.590	9.590,091	125.931,488	13,131	12,662	83	91	7.565	22,691	63,773	2,811	2,341
34	42	96.410	8.925,135	116.341,397	13,035	12,565	84	92	5.521	15,440	41,082	2,661	2,191
35	43	96.210	8.304,506	107.416,262	12,935	12,465	85	93	3.903	10,178	25,642	2,519	2,049
36	44	95.984	7.724,986	99.111,756	12,830	12,360	86	94	2.677	6,509	15,464	2,376	1,906
37	45	95.743	7.184,638	91.386,770	12,720	12,250	87	95	1.758	3,985	8,955	2,247	1,778
38	46	95.475	6.680,258	84.202,132	12,605	12,135	88	96	1.101	2,328	4,971	2,135	1,666
39	47	95.172	6.208,925	77.521,874	12,486	12,016	89	97	659	1,299	2,643	2,035	1,565
40	48	94.841	5.769,044	71.312,949	12,361	11,891	90	98	377	0,692	1,344	1,942	1,472
41	49	94.477	5.358,415	65.543,905	12,232	11,762	91	99	205	0,352	0,652	1,854	1,384
42	50	94.070	4.974,698	60.185,490	12,098	11,628	92	100	106	0,169	0,300	1,776	1,306
43	51	93.626	4.616,489	55.210,792	11,959	11,490	93	101	52	0,077	0,131	1,705	1,235
44	52	93.135	4.281,838	50.594,303	11,816	11,346	94	102	24	0,033	0,054	1,640	1,170
45	53	92.604	3.969,642	46.312,465	11,667	11,197	95	103	10	0,013	0,021	1,581	1,111
46	54	92.028	3.678,257	42.342,823	11,512	11,042	96	104	4	0,005	0,008	1,526	1,057
47	55	91.396	3.406,081	38.664,566	11,352	10,882	97	105	2	0,002	0,003	1,477	1,007
48	56	90.709	3.151,949	35.258,485	11,186	10,716	98	106					
49	57	89.976	2.915,131	32.106,536	11,014	10,544	99	107					
							100	108					

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -9 Jahre

Zinsfuß 7,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	9	99.495	99.494,592	1.439.705,760	14,470	14,000	50	59	88.743	2.680,823	28.766,169	10,730	10,260
1	10	99.034	92.339,643	1.340.211,168	14,514	14,044	51	60	87.854	2.474,571	26.085,346	10,541	10,071
2	11	98.986	86.055,550	1.247.871,524	14,501	14,031	52	61	86.918	2.282,704	23.610,775	10,343	9,873
3	12	98.957	80.214,597	1.161.815,974	14,484	14,014	53	62	85.922	2.104,006	21.328,071	10,137	9,667
4	13	98.930	74.772,171	1.081.601,377	14,465	13,995	54	63	84.845	1.937,179	19.224,065	9,924	9,454
5	14	98.907	69.701,538	1.006.829,206	14,445	13,975	55	64	83.695	1.781,760	17.286,886	9,702	9,232
6	15	98.882	64.973,308	937.127,668	14,423	13,953	56	65	82.461	1.636,822	15.505,126	9,473	9,003
7	16	98.853	60.563,289	872.154,361	14,401	13,931	57	66	81.147	1.501,855	13.868,304	9,234	8,764
8	17	98.820	56.450,337	811.591,071	14,377	13,907	58	67	79.717	1.375,642	12.366,450	8,990	8,520
9	18	98.787	52.616,510	755.140,734	14,352	13,882	59	68	78.154	1.257,512	10.990,808	8,740	8,270
10	19	98.749	49.040,984	702.524,225	14,325	13,855	60	69	76.448	1.146,911	9.733,296	8,487	8,017
11	20	98.712	45.708,888	653.483,241	14,297	13,827	61	70	74.623	1.043,852	8.586,385	8,226	7,756
12	21	98.667	42.599,393	607.774,353	14,267	13,797	62	71	72.679	947,930	7.542,533	7,957	7,487
13	22	98.630	39.704,810	565.174,960	14,234	13,765	63	72	70.538	857,810	6.594,603	7,688	7,218
14	23	98.590	37.005,980	525.470,151	14,200	13,730	64	73	68.265	774,053	5.736,793	7,411	6,941
15	24	98.546	34.489,043	488.464,171	14,163	13,693	65	74	65.819	695,866	4.962,741	7,132	6,662
16	25	98.496	32.141,296	453.975,128	14,124	13,654	66	75	63.194	622,953	4.266,875	6,849	6,380
17	26	98.434	29.949,725	421.833,831	14,085	13,615	67	76	60.378	554,956	3.643,921	6,566	6,096
18	27	98.357	27.903,183	391.884,107	14,044	13,575	68	77	57.374	491,700	3.088,965	6,282	5,812
19	28	98.254	25.989,644	363.980,923	14,005	13,535	69	78	54.195	433,061	2.597,265	5,997	5,528
20	29	98.145	24.206,064	337.991,280	13,963	13,493	70	79	50.843	378,809	2.164,203	5,713	5,243
21	30	98.042	22.545,996	313.785,216	13,918	13,448	71	80	47.315	328,695	1.785,395	5,432	4,962
22	31	97.933	20.998,547	291.239,220	13,869	13,400	72	81	43.593	282,365	1.456,700	5,159	4,689
23	32	97.824	19.557,315	270.240,672	13,818	13,348	73	82	39.714	239,849	1.174,335	4,896	4,426
24	33	97.717	18.215,263	250.683,358	13,762	13,292	74	83	35.707	201,070	934,486	4,648	4,178
25	34	97.607	16.964,824	232.468,095	13,703	13,233	75	84	31.741	166,654	733,416	4,401	3,931
26	35	97.490	15.799,037	215.503,271	13,640	13,170	76	85	27.840	136,294	566,762	4,158	3,688
27	36	97.370	14.712,965	199.704,235	13,573	13,103	77	86	24.155	110,258	430,467	3,904	3,434
28	37	97.246	13.700,820	184.991,270	13,502	13,032	78	87	20.531	87,381	320,209	3,665	3,195
29	38	97.115	12.757,440	171.290,449	13,427	12,957	79	88	17.011	67,507	232,828	3,449	2,979
30	39	96.979	11.878,367	158.533,010	13,346	12,876	80	89	13.790	51,025	165,321	3,240	2,770
31	40	96.830	11.058,453	146.654,642	13,262	12,792	81	90	10.873	37,512	114,296	3,047	2,577
32	41	96.670	10.293,806	135.596,190	13,173	12,703	82	91	8.349	26,857	76,784	2,859	2,389
33	42	96.495	9.580,612	125.302,383	13,079	12,609	83	92	6.148	18,438	49,928	2,708	2,238
34	43	96.302	8.915,097	115.721,772	12,980	12,511	84	93	4.387	12,269	31,489	2,567	2,097
35	44	96.085	8.293,727	106.806,674	12,878	12,408	85	94	3.029	7,898	19,220	2,433	1,964
36	45	95.851	7.714,233	98.512,948	12,770	12,300	86	95	2.026	4,926	11,322	2,298	1,828
37	46	95.591	7.173,243	90.798,715	12,658	12,188	87	96	1.296	2,938	6,396	2,177	1,707
38	47	95.304	6.668,261	83.625,472	12,541	12,071	88	97	790	1,669	3,458	2,072	1,602
39	48	94.987	6.196,851	76.957,211	12,419	11,949	89	98	459	0,905	1,789	1,977	1,507
40	49	94.640	5.756,814	70.760,361	12,292	11,822	90	99	255	0,468	0,884	1,889	1,419
41	50	94.250	5.345,518	65.003,547	12,160	11,690	91	100	134	0,230	0,416	1,806	1,336
42	51	93.833	4.962,129	59.658,028	12,023	11,553	92	101	67	0,107	0,186	1,733	1,263
43	52	93.366	4.603,668	54.695,899	11,881	11,411	93	102	32	0,047	0,079	1,665	1,196
44	53	92.853	4.268,893	50.092,231	11,734	11,264	94	103	14	0,020	0,031	1,604	1,134
45	54	92.312	3.957,107	45.823,338	11,580	11,110	95	104	6	0,008	0,012	1,548	1,078
46	55	91.707	3.665,463	41.866,231	11,422	10,952	96	105	2	0,003	0,004	1,497	1,027
47	56	91.050	3.393,183	38.200,767	11,258	10,788	97	106					
48	57	90.345	3.139,295	34.807,585	11,088	10,618	98	107					
49	58	89.574	2.902,121	31.668,290	10,912	10,442	99	108					
							100	109					

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -10 Jahre

Zinsfuß 7,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	10	99.488	99.488,163	1.438.724,266	14,461	13,991	50	60	88.292	2.667,194	28.311,571	10,615	10,145
1	11	99.026	92.331,878	1.339.236,104	14,505	14,035	51	61	87.371	2.460,950	25.644,377	10,421	9,951
2	12	98.977	86.047,480	1.246.904,225	14,491	14,021	52	62	86.429	2.269,859	23.183,427	10,214	9,744
3	13	98.948	80.207,785	1.160.856,745	14,473	14,003	53	63	85.381	2.090,766	20.913,568	10,003	9,533
4	14	98.921	74.764,926	1.080.648,960	14,454	13,984	54	64	84.267	1.924,002	18.822,803	9,783	9,313
5	15	98.896	69.693,416	1.005.884,035	14,433	13,963	55	65	83.083	1.768,731	16.898,800	9,554	9,084
6	16	98.865	64.961,699	936.190,618	14,411	13,942	56	66	81.788	1.623,453	15.130,070	9,320	8,850
7	17	98.832	60.550,463	871.228,919	14,388	13,919	57	67	80.412	1.488,253	13.506,617	9,075	8,606
8	18	98.798	56.437,917	810.678,456	14,364	13,894	58	68	78.906	1.361,658	12.018,364	8,826	8,356
9	19	98.758	52.601,377	754.240,539	14,339	13,869	59	69	77.260	1.243,129	10.656,705	8,572	8,103
10	20	98.722	49.027,389	701.639,162	14,311	13,841	60	70	75.473	1.132,279	9.413,576	8,314	7,844
11	21	98.681	45.694,450	652.611,772	14,282	13,812	61	71	73.563	1.029,015	8.281,298	8,048	7,578
12	22	98.643	42.588,970	606.917,322	14,251	13,781	62	72	71.501	932,562	7.252,283	7,777	7,307
13	23	98.603	39.694,060	564.328,352	14,217	13,747	63	73	69.266	842,344	6.319,720	7,503	7,033
14	24	98.565	36.996,325	524.634,292	14,181	13,711	64	74	66.874	758,283	5.477,376	7,223	6,753
15	25	98.520	34.479,674	487.637,967	14,143	13,673	65	75	64.321	680,027	4.719,093	6,940	6,470
16	26	98.472	32.133,387	453.158,294	14,102	13,633	66	76	61.556	606,802	4.039,066	6,656	6,186
17	27	98.407	29.941,340	421.024,906	14,062	13,592	67	77	58.630	538,891	3.432,264	6,369	5,899
18	28	98.328	27.895,051	391.083,566	14,020	13,550	68	78	55.508	475,704	2.893,373	6,082	5,612
19	29	98.225	25.981,929	363.188,515	13,979	13,509	69	79	52.187	417,011	2.417,669	5,798	5,328
20	30	98.117	24.198,978	337.206,586	13,935	13,465	70	80	48.704	362,874	2.000,658	5,513	5,043
21	31	98.010	22.538,614	313.007,607	13,888	13,418	71	81	45.010	312,683	1.637,784	5,238	4,768
22	32	97.898	20.991,046	290.468,993	13,838	13,368	72	82	41.163	266,625	1.325,102	4,970	4,500
23	33	97.790	19.550,361	269.477,947	13,784	13,314	73	83	37.147	224,349	1.058,477	4,718	4,248
24	34	97.678	18.207,985	249.927,586	13,726	13,256	74	84	33.148	186,662	834,128	4,469	3,999
25	35	97.561	16.956,870	231.719,601	13,665	13,195	75	85	29.190	153,262	647,466	4,225	3,755
26	36	97.440	15.790,948	214.762,731	13,600	13,130	76	86	25.423	124,461	494,204	3,971	3,501
27	37	97.315	14.704,645	198.971,783	13,531	13,061	77	87	21.720	99,143	369,744	3,729	3,260
28	38	97.186	13.692,418	184.267,138	13,458	12,988	78	88	18.111	77,081	270,601	3,511	3,041
29	39	97.047	12.748,516	170.574,719	13,380	12,910	79	89	14.774	58,628	193,521	3,301	2,831
30	40	96.901	11.868,862	157.826,204	13,298	12,828	80	90	11.746	43,462	134,892	3,104	2,634
31	41	96.746	11.048,832	145.957,342	13,210	12,740	81	91	9.096	31,380	91,431	2,914	2,444
32	42	96.574	10.283,631	134.908,510	13,119	12,649	82	92	6.784	21,824	60,051	2,752	2,282
33	43	96.386	9.569,837	124.624,879	13,023	12,553	83	93	4.885	14,651	38,227	2,609	2,139
34	44	96.177	8.903,525	115.055,042	12,922	12,453	84	94	3.404	9,521	23,576	2,476	2,006
35	45	95.951	8.282,182	106.151,517	12,817	12,347	85	95	2.293	5,978	14,055	2,351	1,881
36	46	95.699	7.701,998	97.869,335	12,707	12,237	86	96	1.494	3,632	8,077	2,224	1,754
37	47	95.419	7.160,360	90.167,337	12,593	12,123	87	97	929	2,107	4,445	2,110	1,640
38	48	95.118	6.655,293	83.006,977	12,472	12,002	88	98	550	1,163	2,339	2,011	1,541
39	49	94.786	6.183,714	76.351,684	12,347	11,877	89	99	310	0,612	1,175	1,921	1,451
40	50	94.412	5.742,959	70.167,970	12,218	11,748	90	100	167	0,306	0,564	1,839	1,369
41	51	94.011	5.332,012	64.425,011	12,083	11,613	91	101	85	0,146	0,257	1,761	1,291
42	52	93.572	4.948,348	59.092,999	11,942	11,472	92	102	41	0,066	0,111	1,691	1,221
43	53	93.084	4.589,750	54.144,651	11,797	11,327	93	103	19	0,028	0,045	1,628	1,158
44	54	92.560	4.255,414	49.554,901	11,645	11,175	94	104	8	0,011	0,018	1,570	1,100
45	55	91.991	3.943,343	45.299,487	11,488	11,018	95	105	3	0,004	0,006	1,517	1,047
46	56	91.360	3.651,583	41.356,143	11,326	10,856	96	106					
47	57	90.685	3.379,560	37.704,560	11,157	10,687	97	107					
48	58	89.941	3.125,284	34.325,000	10,983	10,513	98	108					
49	59	89.143	2.888,145	31.199,717	10,803	10,333	99	109					
							100	110					

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -11 Jahre

Zinsfuß 7,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	11	99.480	99.479,797	1.437.665,108	14,452	13,982	50	61	87.806	2.652,513	27.825,956	10,490	10,021
1	12	99.017	92.323,220	1.338.185,312	14,495	14,025	51	62	86.879	2.447,102	25.173,443	10,287	9,817
2	13	98.968	86.040,172	1.245.862,092	14,480	14,010	52	63	85.885	2.255,575	22.726,342	10,076	9,606
3	14	98.939	80.200,014	1.159.821,920	14,462	13,992	53	64	84.800	2.076,545	20.470,767	9,858	9,388
4	15	98.909	74.756,214	1.079.621,907	14,442	13,972	54	65	83.651	1.909,932	18.394,222	9,631	9,161
5	16	98.878	69.680,964	1.004.865,693	14,421	13,951	55	66	82.405	1.754,285	16.484,290	9,397	8,927
6	17	98.844	64.947,942	935.184,728	14,399	13,929	56	67	81.047	1.608,750	14.730,005	9,156	8,686
7	18	98.810	60.537,141	870.236,787	14,375	13,905	57	68	79.595	1.473,125	13.121,255	8,907	8,437
8	19	98.770	56.421,686	809.699,646	14,351	13,881	58	69	78.004	1.346,084	11.648,130	8,653	8,183
9	20	98.731	52.586,796	753.277,960	14,324	13,855	59	70	76.275	1.227,269	10.302,046	8,394	7,924
10	21	98.690	49.011,904	700.691,164	14,296	13,826	60	71	74.400	1.116,185	9.074,777	8,130	7,660
11	22	98.657	45.683,270	651.679,260	14,265	13,795	61	72	72.370	1.012,332	7.958,592	7,862	7,392
12	23	98.616	42.577,440	605.995,990	14,233	13,763	62	73	70.212	915,749	6.946,259	7,585	7,115
13	24	98.577	39.683,704	563.418,550	14,198	13,728	63	74	67.855	825,184	6.030,510	7,308	6,838
14	25	98.538	36.986,273	523.734,847	14,160	13,690	64	75	65.352	741,024	5.205,327	7,025	6,555
15	26	98.495	34.471,189	486.748,573	14,120	13,651	65	76	62.653	662,395	4.464,303	6,740	6,270
16	27	98.445	32.124,391	452.277,384	14,079	13,609	66	77	59.774	589,236	3.801,908	6,452	5,982
17	28	98.378	29.932,614	420.152,993	14,037	13,567	67	78	56.723	521,360	3.212,672	6,162	5,692
18	29	98.299	27.886,772	390.220,379	13,993	13,523	68	79	53.450	458,073	2.691,312	5,875	5,405
19	30	98.196	25.974,324	362.333,607	13,950	13,480	69	80	49.992	399,469	2.233,239	5,591	5,121
20	31	98.085	24.191,055	336.359,283	13,904	13,434	70	81	46.332	345,197	1.833,770	5,312	4,842
21	32	97.975	22.530,563	312.168,227	13,855	13,385	71	82	42.501	295,253	1.488,573	5,042	4,572
22	33	97.863	20.983,582	289.637,664	13,803	13,333	72	83	38.503	249,394	1.193,321	4,785	4,315
23	34	97.751	19.542,549	268.654,082	13,747	13,277	73	84	34.485	208,273	943,926	4,532	4,062
24	35	97.632	18.199,448	249.111,533	13,688	13,218	74	85	30.484	171,661	735,654	4,285	3,816
25	36	97.511	16.948,189	230.912,085	13,625	13,155	75	86	26.655	139,955	563,993	4,030	3,560
26	37	97.385	15.782,019	213.963,896	13,557	13,088	76	87	22.860	111,913	424,038	3,789	3,319
27	38	97.256	14.695,628	198.181,877	13,486	13,016	77	88	19.159	87,456	312,124	3,569	3,099
28	39	97.118	13.682,840	183.486,248	13,410	12,940	78	89	15.729	66,942	224,668	3,356	2,886
29	40	96.969	12.738,314	169.803,408	13,330	12,860	79	90	12.584	49,938	157,726	3,158	2,689
30	41	96.817	11.858,536	157.065,094	13,245	12,775	80	91	9.826	36,357	107,788	2,965	2,495
31	42	96.650	11.037,911	145.206,559	13,155	12,685	81	92	7.391	25,500	71,431	2,801	2,331
32	43	96.465	10.272,065	134.168,648	13,062	12,592	82	93	5.391	17,341	45,931	2,649	2,179
33	44	96.261	9.557,415	123.896,583	12,963	12,494	83	94	3.791	11,370	28,590	2,515	2,045
34	45	96.043	8.891,132	114.339,168	12,860	12,390	84	95	2.577	7,206	17,220	2,390	1,920
35	46	95.799	8.269,046	105.448,036	12,752	12,282	85	96	1.690	4,407	10,014	2,272	1,802
36	47	95.527	7.688,165	97.178,990	12,640	12,170	86	97	1.071	2,605	5,607	2,153	1,683
37	48	95.233	7.146,436	89.490,825	12,522	12,053	87	98	648	1,468	3,003	2,046	1,576
38	49	94.917	6.641,184	82.344,389	12,399	11,929	88	99	372	0,786	1,535	1,952	1,482
39	50	94.558	6.168,831	75.703,205	12,272	11,802	89	100	203	0,401	0,749	1,868	1,398
40	51	94.174	5.728,449	69.534,374	12,138	11,669	90	101	106	0,194	0,348	1,791	1,321
41	52	93.750	5.317,204	63.805,925	12,000	11,530	91	102	52	0,089	0,154	1,717	1,247
42	53	93.289	4.933,388	58.488,721	11,856	11,386	92	103	24	0,039	0,064	1,652	1,182
43	54	92.790	4.575,258	53.555,333	11,705	11,236	93	104	11	0,016	0,025	1,592	1,122
44	55	92.238	4.240,613	48.980,075	11,550	11,080	94	105	4	0,006	0,009	1,537	1,067
45	56	91.642	3.928,411	44.739,463	11,389	10,919	95	106					
46	57	90.993	3.636,923	40.811,052	11,221	10,751	96	107					
47	58	90.280	3.364,477	37.174,129	11,049	10,579	97	108					
48	59	89.508	3.110,233	33.809,652	10,870	10,401	98	109					
49	60	88.690	2.873,463	30.699,419	10,684	10,214	99	110					
							100	111					

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -12 Jahre

Zinsfuß 7,25%

Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	12	99.470	99.470,467	1.436.524,481	14,442	13,972	50	62	87.312	2.637,587	27.308,013	10,353	9,884
1	13	99.008	92.315,379	1.337.054,013	14,484	14,014	51	63	86.332	2.431,702	24.670,426	10,145	9,675
2	14	98.959	86.031,835	1.244.738,634	14,468	13,998	52	64	85.301	2.240,233	22.238,724	9,927	9,457
3	15	98.927	80.190,668	1.158.706,799	14,449	13,979	53	65	84.180	2.061,359	19.998,491	9,702	9,232
4	16	98.891	74.742,857	1.078.516,131	14,430	13,960	54	66	82.968	1.894,333	17.937,132	9,469	8,999
5	17	98.857	69.666,207	1.003.773,273	14,408	13,938	55	67	81.658	1.738,397	16.042,799	9,229	8,759
6	18	98.822	64.933,652	934.107,066	14,386	13,916	56	68	80.223	1.592,397	14.304,402	8,983	8,513
7	19	98.782	60.519,731	869.173,414	14,362	13,892	57	69	78.685	1.456,276	12.712,004	8,729	8,259
8	20	98.742	56.406,046	808.653,683	14,336	13,866	58	70	77.009	1.328,910	11.255,728	8,470	8,000
9	21	98.700	52.570,186	752.247,637	14,309	13,839	59	71	75.191	1.209,825	9.926,818	8,205	7,735
10	22	98.666	48.999,912	699.677,451	14,279	13,809	60	72	73.194	1.098,089	8.716,993	7,938	7,468
11	23	98.630	45.670,902	650.677,540	14,247	13,777	61	73	71.065	994,081	7.618,904	7,664	7,194
12	24	98.590	42.566,331	605.006,638	14,213	13,743	62	74	68.781	897,093	6.624,823	7,385	6,915
13	25	98.551	39.672,922	562.440,307	14,177	13,707	63	75	66.310	806,401	5.727,730	7,103	6,633
14	26	98.514	36.977,172	522.767,384	14,138	13,668	64	76	63.658	721,811	4.921,329	6,818	6,348
15	27	98.468	34.461,539	485.790,212	14,097	13,627	65	77	60.839	643,220	4.199,518	6,529	6,059
16	28	98.416	32.115,029	451.328,673	14,054	13,584	66	78	57.829	570,067	3.556,298	6,238	5,768
17	29	98.349	29.923,730	419.213,644	14,009	13,540	67	79	54.620	502,037	2.986,232	5,948	5,478
18	30	98.270	27.878,609	389.289,914	13,964	13,494	68	80	51.202	438,804	2.484,194	5,661	5,191
19	31	98.164	25.965,820	361.411,306	13,919	13,449	69	81	47.556	380,009	2.045,390	5,382	4,913
20	32	98.050	24.182,414	335.445,486	13,871	13,402	70	82	43.749	325,954	1.665,381	5,109	4,639
21	33	97.940	22.522,552	311.263,072	13,820	13,350	71	83	39.755	276,172	1.339,427	4,850	4,380
22	34	97.824	20.975,198	288.740,520	13,766	13,296	72	84	35.744	231,523	1.063,255	4,592	4,123
23	35	97.705	19.533,387	267.765,322	13,708	13,238	73	85	31.714	191,535	831,732	4,342	3,873
24	36	97.582	18.190,131	248.231,935	13,647	13,177	74	86	27.837	156,757	640,197	4,084	3,614
25	37	97.456	16.938,605	230.041,804	13,581	13,111	75	87	23.968	125,845	483,440	3,842	3,372
26	38	97.325	15.772,341	213.103,199	13,511	13,041	76	88	20.165	98,721	357,594	3,622	3,152
27	39	97.188	14.685,349	197.330,858	13,437	12,967	77	89	16.639	75,953	258,873	3,408	2,938
28	40	97.040	13.671,891	182.645,509	13,359	12,889	78	90	13.397	57,020	182,920	3,208	2,738
29	41	96.885	12.727,231	168.973,618	13,277	12,807	79	91	10.527	41,775	125,900	3,014	2,544
30	42	96.721	11.846,814	156.246,387	13,189	12,719	80	92	7.985	29,544	84,125	2,847	2,378
31	43	96.542	11.025,497	144.399,573	13,097	12,627	81	93	5.873	20,262	54,581	2,694	2,224
32	44	96.340	10.258,732	133.374,076	13,001	12,531	82	94	4.183	13,457	34,319	2,550	2,080
33	45	96.127	9.544,111	123.115,345	12,900	12,430	83	95	2.869	8,605	20,862	2,424	1,954
34	46	95.891	8.877,030	113.571,234	12,794	12,324	84	96	1.900	5,312	12,257	2,307	1,837
35	47	95.627	8.254,195	104.694,204	12,684	12,214	85	97	1.212	3,161	6,944	2,197	1,727
36	48	95.341	7.673,214	96.440,009	12,568	12,098	86	98	746	1,815	3,784	2,085	1,615
37	49	95.032	7.131,286	88.766,794	12,448	11,978	87	99	438	0,992	1,969	1,984	1,515
38	50	94.688	6.625,201	81.635,508	12,322	11,852	88	100	244	0,515	0,977	1,896	1,427
39	51	94.319	6.153,245	75.010,308	12,190	11,720	89	101	129	0,254	0,462	1,817	1,348
40	52	93.912	5.712,539	68.857,063	12,054	11,584	90	102	65	0,119	0,208	1,745	1,275
41	53	93.467	5.301,129	63.144,523	11,912	11,442	91	103	31	0,053	0,089	1,675	1,205
42	54	92.995	4.917,811	57.843,394	11,762	11,292	92	104	14	0,022	0,036	1,614	1,144
43	55	92.467	4.559,344	52.925,584	11,608	11,138	93	105	6	0,009	0,014	1,557	1,087
44	56	91.889	4.224,554	48.366,240	11,449	10,979	94	106					
45	57	91.274	3.912,639	44.141,686	11,282	10,812	95	107					
46	58	90.587	3.620,691	40.229,046	11,111	10,641	96	108					
47	59	89.845	3.348,275	36.608,356	10,933	10,464	97	109					
48	60	89.053	3.094,422	33.260,081	10,748	10,279	98	110					
49	61	88.202	2.857,646	30.165,659	10,556	10,086	99	111					
							100	112					

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -13 Jahre

Zinsfuß 7,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	13	99.462	99.462,020	1.435.297,300	14,431	13,961	50	63	86.762	2.620,988	26.755,506	10,208	9,738
1	14	98.999	92.306,434	1.335.835,281	14,472	14,002	51	64	85.745	2.415,162	24.134,517	9,993	9,523
2	15	98.947	86.021,811	1.243.528,846	14,456	13,986	52	65	84.677	2.223,850	21.719,355	9,767	9,297
3	16	98.910	80.176,341	1.157.507,036	14,437	13,967	53	66	83.493	2.044,523	19.495,504	9,535	9,066
4	17	98.871	74.727,029	1.077.330,695	14,417	13,947	54	67	82.217	1.877,177	17.450,981	9,296	8,826
5	18	98.836	69.650,880	1.002.603,667	14,395	13,925	55	68	80.828	1.720,726	15.573,804	9,051	8,581
6	19	98.794	64.914,977	932.952,787	14,372	13,902	56	69	79.306	1.574,184	13.853,078	8,800	8,330
7	20	98.755	60.502,955	868.037,810	14,347	13,877	57	70	77.681	1.437,697	12.278,894	8,541	8,071
8	21	98.711	56.388,229	807.534,855	14,321	13,851	58	71	75.914	1.310,022	10.841,197	8,276	7,806
9	22	98.675	52.557,324	751.146,626	14,292	13,822	59	72	73.972	1.190,211	9.531,175	8,008	7,538
10	23	98.639	48.986,645	698.589,302	14,261	13,791	60	73	71.874	1.078,292	8.340,964	7,735	7,265
11	24	98.604	45.658,986	649.602,656	14,227	13,757	61	74	69.617	973,829	7.262,673	7,458	6,988
12	25	98.563	42.554,766	603.943,670	14,192	13,722	62	75	67.216	876,674	6.288,844	7,174	6,704
13	26	98.526	39.663,160	561.388,904	14,154	13,684	63	76	64.591	785,493	5.412,170	6,890	6,420
14	27	98.486	36.966,820	521.725,744	14,113	13,643	64	77	61.815	700,915	4.626,677	6,601	6,131
15	28	98.439	34.451,496	484.758,923	14,071	13,601	65	78	58.860	622,295	3.925,762	6,309	5,839
16	29	98.387	32.105,497	450.307,428	14,026	13,556	66	79	55.686	548,939	3.303,467	6,018	5,548
17	30	98.320	29.914,971	418.201,931	13,980	13,510	67	80	52.323	480,918	2.754,528	5,728	5,258
18	31	98.238	27.869,481	388.286,960	13,932	13,462	68	81	48.708	417,428	2.273,610	5,447	4,977
19	32	98.129	25.956,545	360.417,479	13,885	13,416	69	82	44.905	358,826	1.856,182	5,173	4,703
20	33	98.015	24.173,815	334.460,935	13,836	13,366	70	83	40.922	304,889	1.497,356	4,911	4,441
21	34	97.901	22.513,552	310.287,119	13,782	13,312	71	84	36.906	256,382	1.192,466	4,651	4,181
22	35	97.778	20.965,364	287.773,567	13,726	13,256	72	85	32.871	212,918	936,084	4,396	3,927
23	36	97.655	19.523,386	266.808,203	13,666	13,196	73	86	28.961	174,905	723,167	4,135	3,665
24	37	97.527	18.179,845	247.284,816	13,602	13,132	74	87	25.031	140,954	548,261	3,890	3,420
25	38	97.397	16.928,218	229.104,971	13,534	13,064	75	88	21.143	111,011	407,308	3,669	3,199
26	39	97.257	15.761,308	212.176,753	13,462	12,992	76	89	17.513	85,737	296,297	3,456	2,986
27	40	97.110	14.673,596	196.415,444	13,386	12,916	77	90	14.173	64,695	210,560	3,255	2,785
28	41	96.956	13.659,996	181.741,848	13,305	12,835	78	91	11.207	47,699	145,865	3,058	2,588
29	42	96.789	12.714,651	168.081,852	13,220	12,750	79	92	8.554	33,946	98,166	2,892	2,422
30	43	96.612	11.833,490	155.367,201	13,129	12,660	80	93	6.345	23,476	64,219	2,736	2,266
31	44	96.416	11.011,185	143.533,711	13,035	12,565	81	94	4.558	15,724	40,743	2,591	2,121
32	45	96.206	10.244,452	132.522,526	12,936	12,466	82	95	3.166	10,185	25,020	2,457	1,987
33	46	95.975	9.528,974	122.278,074	12,832	12,362	83	96	2.115	6,344	14,835	2,338	1,869
34	47	95.718	8.861,087	112.749,100	12,724	12,254	84	97	1.362	3,810	8,491	2,229	1,759
35	48	95.441	8.238,143	103.888,013	12,611	12,141	85	98	845	2,202	4,681	2,126	1,656
36	49	95.139	7.656,948	95.649,869	12,492	12,022	86	99	505	1,227	2,479	2,021	1,551
37	50	94.803	7.114,123	87.992,922	12,369	11,899	87	100	287	0,650	1,252	1,926	1,456
38	51	94.449	6.608,461	80.878,799	12,239	11,769	88	101	154	0,327	0,602	1,843	1,374
39	52	94.057	6.136,156	74.270,338	12,104	11,634	89	102	79	0,156	0,275	1,769	1,299
40	53	93.628	5.695,269	68.134,182	11,963	11,493	90	103	38	0,070	0,120	1,701	1,231
41	54	93.172	5.284,390	62.438,912	11,816	11,346	91	104	18	0,030	0,049	1,636	1,166
42	55	92.671	4.900,705	57.154,522	11,663	11,193	92	105	8	0,012	0,019	1,577	1,108
43	56	92.117	4.542,078	52.253,817	11,504	11,034	93	106					
44	57	91.520	4.207,594	47.711,738	11,339	10,870	94	107					
45	58	90.867	3.895,177	43.504,145	11,169	10,699	95	108					
46	59	90.151	3.603,255	39.608,968	10,993	10,523	96	109					
47	60	89.388	3.331,253	36.005,713	10,808	10,339	97	110					
48	61	88.563	3.077,389	32.674,460	10,618	10,148	98	111					
49	62	87.705	2.841,565	29.597,071	10,416	9,946	99	112					
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -14 Jahre

Zinsfuß 7,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	14	99.452	99.452,383	1.433.976,162	14,419	13,949	50	64	86.172	2.603,161	26.167,607	10,052	9,582
1	15	98.987	92.295,678	1.334.523,779	14,459	13,989	51	65	85.118	2.397,501	23.564,446	9,829	9,359
2	16	98.929	86.006,441	1.242.228,101	14,443	13,974	52	66	83.985	2.205,687	21.166,946	9,597	9,127
3	17	98.889	80.159,361	1.156.221,660	14,424	13,954	53	67	82.737	2.026,007	18.961,258	9,359	8,889
4	18	98.849	74.710,587	1.076.062,299	14,403	13,933	54	68	81.381	1.858,096	16.935,251	9,114	8,644
5	19	98.807	69.630,848	1.001.351,711	14,381	13,911	55	69	79.904	1.701,045	15.077,156	8,863	8,394
6	20	98.766	64.896,983	931.720,863	14,357	13,887	56	70	78.294	1.554,100	13.376,111	8,607	8,137
7	21	98.723	60.483,844	866.823,880	14,331	13,862	57	71	76.577	1.417,262	11.822,010	8,341	7,872
8	22	98.687	56.374,433	806.340,036	14,303	13,833	58	72	74.683	1.288,784	10.404,748	8,073	7,603
9	23	98.649	52.543,094	749.965,603	14,273	13,803	59	73	72.638	1.168,753	9.115,965	7,800	7,330
10	24	98.614	48.973,865	697.422,509	14,241	13,771	60	74	70.410	1.056,324	7.947,212	7,523	7,054
11	25	98.578	45.646,582	648.448,644	14,206	13,736	61	75	68.033	951,663	6.890,888	7,241	6,771
12	26	98.539	42.544,295	602.802,063	14,169	13,699	62	76	65.473	853,944	5.939,225	6,955	6,485
13	27	98.499	39.652,056	560.257,768	14,129	13,659	63	77	62.721	762,754	5.085,281	6,667	6,197
14	28	98.457	36.956,047	520.605,711	14,087	13,617	64	78	59.804	678,113	4.322,527	6,374	5,904
15	29	98.410	34.441,270	483.649,664	14,043	13,573	65	79	56.679	599,231	3.644,414	6,082	5,612
16	30	98.358	32.096,099	449.208,395	13,996	13,526	66	80	53.343	525,847	3.045,183	5,791	5,321
17	31	98.288	29.905,176	417.112,296	13,948	13,478	67	81	49.774	457,491	2.519,336	5,507	5,037
18	32	98.203	27.859,526	387.207,120	13,899	13,429	68	82	45.993	394,159	2.061,845	5,231	4,761
19	33	98.094	25.947,315	359.347,594	13,849	13,379	69	83	42.003	335,637	1.667,687	4,969	4,499
20	34	97.976	24.164,156	333.400,279	13,797	13,327	70	84	37.989	283,042	1.332,049	4,706	4,236
21	35	97.855	22.502,998	309.236,123	13,742	13,272	71	85	33.940	235,779	1.049,008	4,449	3,979
22	36	97.728	20.954,631	286.733,125	13,684	13,214	72	86	30.017	194,431	813,229	4,183	3,713
23	37	97.599	19.512,347	265.778,494	13,621	13,151	73	87	26.041	157,272	618,798	3,935	3,465
24	38	97.467	18.168,697	246.266,147	13,554	13,085	74	88	22.080	124,338	461,525	3,712	3,242
25	39	97.328	16.916,377	228.097,450	13,484	13,014	75	89	18.362	96,410	337,187	3,497	3,028
26	40	97.179	15.748,695	211.181,073	13,409	12,940	76	90	14.917	73,028	240,777	3,297	2,827
27	41	97.025	14.660,831	195.432,378	13,330	12,860	77	91	11.856	54,120	167,748	3,100	2,630
28	42	96.860	13.646,494	180.771,548	13,247	12,777	78	92	9.107	38,760	113,629	2,932	2,462
29	43	96.680	12.700,351	167.125,054	13,159	12,689	79	93	6.797	26,974	74,868	2,776	2,306
30	44	96.487	11.818,130	154.424,703	13,067	12,597	80	94	4.923	18,217	47,894	2,629	2,159
31	45	96.282	10.995,858	142.606,573	12,969	12,499	81	95	3.449	11,901	29,677	2,494	2,024
32	46	96.053	10.228,204	131.610,716	12,867	12,398	82	96	2.334	7,509	17,776	2,367	1,897
33	47	95.802	9.511,860	121.382,512	12,761	12,291	83	97	1.517	4,550	10,267	2,257	1,787
34	48	95.532	8.843,856	111.870,652	12,650	12,180	84	98	949	2,654	5,718	2,154	1,684
35	49	95.239	8.220,679	103.026,796	12,533	12,063	85	99	571	1,489	3,063	2,058	1,588
36	50	94.910	7.638,519	94.806,117	12,412	11,942	86	100	331	0,804	1,574	1,959	1,489
37	51	94.563	7.096,148	87.167,598	12,284	11,814	87	101	182	0,412	0,771	1,870	1,401
38	52	94.187	6.590,108	80.071,450	12,150	11,680	88	102	95	0,200	0,359	1,793	1,323
39	53	93.773	6.117,605	73.481,341	12,011	11,542	89	103	47	0,092	0,159	1,723	1,253
40	54	93.332	5.677,286	67.363,736	11,865	11,396	90	104	22	0,040	0,067	1,659	1,189
41	55	92.848	5.266,010	61.686,450	11,714	11,244	91	105	10	0,017	0,026	1,597	1,128
42	56	92.320	4.882,147	56.420,440	11,556	11,087	92	106					
43	57	91.747	4.523,843	51.538,293	11,393	10,923	93	107					
44	58	91.111	4.188,815	47.014,450	11,224	10,754	94	108					
45	59	90.429	3.876,419	42.825,635	11,048	10,578	95	109					
46	60	89.693	3.584,937	38.949,216	10,865	10,395	96	110					
47	61	88.896	3.312,917	35.364,279	10,675	10,205	97	111					
48	62	88.065	3.060,072	32.051,363	10,474	10,004	98	112					
49	63	87.153	2.823,684	28.991,291	10,267	9,797	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -15 Jahre

Zinsfuß 7,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	15	99.441	99.440,794	1.432.555,373	14,406	13,936	50	65	85.542	2.584,124	25.542,995	9,885	9,415
1	16	98.969	92.279,188	1.333.114,579	14,447	13,977	51	66	84.423	2.377,919	22.958,871	9,655	9,185
2	17	98.908	85.988,227	1.240.835,391	14,430	13,960	52	67	83.225	2.185,711	20.580,951	9,416	8,946
3	18	98.867	80.141,725	1.154.847,164	14,410	13,940	53	68	81.896	2.005,413	18.395,240	9,173	8,703
4	19	98.820	74.689,101	1.074.705,439	14,389	13,919	54	69	80.450	1.836,843	16.389,827	8,923	8,453
5	20	98.780	69.611,546	1.000.016,338	14,366	13,896	55	70	78.884	1.679,343	14.552,984	8,666	8,196
6	21	98.735	64.876,484	930.404,792	14,341	13,871	56	71	77.181	1.532,011	12.873,641	8,403	7,933
7	22	98.699	60.469,046	865.528,307	14,314	13,844	57	72	75.335	1.394,285	11.341,630	8,134	7,664
8	23	98.660	56.359,170	805.059,262	14,284	13,815	58	73	73.337	1.265,548	9.947,345	7,860	7,390
9	24	98.623	52.529,386	748.700,092	14,253	13,783	59	74	71.158	1.144,942	8.681,797	7,583	7,113
10	25	98.587	48.960,559	696.170,706	14,219	13,749	60	75	68.807	1.032,280	7.536,855	7,301	6,831
11	26	98.553	45.635,350	647.210,147	14,182	13,712	61	76	66.269	926,989	6.504,574	7,017	6,547
12	27	98.512	42.532,385	601.574,797	14,144	13,674	62	77	63.578	829,223	5.577,585	6,726	6,256
13	28	98.470	39.640,500	559.042,413	14,103	13,633	63	78	60.681	737,940	4.748,362	6,435	5,965
14	29	98.428	36.945,078	519.401,913	14,059	13,589	64	79	57.587	652,981	4.010,422	6,142	5,672
15	30	98.381	34.431,188	482.456,835	14,012	13,542	65	80	54.294	574,024	3.357,441	5,849	5,379
16	31	98.326	32.085,590	448.025,647	13,963	13,494	66	81	50.745	500,231	2.783,418	5,564	5,094
17	32	98.253	29.894,494	415.940,056	13,914	13,444	67	82	46.999	431,989	2.283,187	5,285	4,815
18	33	98.168	27.849,619	386.045,563	13,862	13,392	68	83	43.020	368,687	1.851,199	5,021	4,551
19	34	98.055	25.936,947	358.195,943	13,810	13,340	69	84	38.993	311,586	1.482,512	4,758	4,288
20	35	97.930	24.152,827	332.258,996	13,757	13,287	70	85	34.936	260,296	1.170,926	4,498	4,029
21	36	97.805	22.491,477	308.106,168	13,699	13,229	71	86	30.993	215,307	910,630	4,229	3,760
22	37	97.673	20.942,782	285.614,691	13,638	13,168	72	87	26.991	174,830	695,322	3,977	3,507
23	38	97.540	19.500,381	264.671,909	13,573	13,103	73	88	22.971	138,734	520,493	3,752	3,282
24	39	97.399	18.155,988	245.171,528	13,504	13,034	74	89	19.176	107,984	381,759	3,535	3,065
25	40	97.251	16.902,839	227.015,540	13,431	12,961	75	90	15.640	82,120	273,775	3,334	2,864
26	41	97.095	15.734,994	210.112,701	13,353	12,883	76	91	12.479	61,091	191,655	3,137	2,667
27	42	96.930	14.646,339	194.377,707	13,271	12,802	77	92	9.634	43,978	130,564	2,969	2,499
28	43	96.751	13.631,146	179.731,368	13,185	12,715	78	93	7.237	30,799	86,586	2,811	2,341
29	44	96.555	12.683,866	166.100,222	13,095	12,625	79	94	5.275	20,932	55,787	2,665	2,195
30	45	96.352	11.801,679	153.416,357	13,000	12,530	80	95	3.726	13,788	34,855	2,528	2,058
31	46	96.129	10.978,418	141.614,678	12,899	12,429	81	96	2.543	8,773	21,066	2,401	1,931
32	47	95.881	10.209,834	130.636,260	12,795	12,325	82	97	1.674	5,385	12,293	2,283	1,813
33	48	95.616	9.493,363	120.426,425	12,685	12,215	83	98	1.057	3,170	6,908	2,179	1,709
34	49	95.330	8.825,107	110.933,063	12,570	12,100	84	99	642	1,795	3,738	2,083	1,613
35	50	95.009	8.200,894	102.107,956	12,451	11,981	85	100	374	0,975	1,944	1,993	1,523
36	51	94.670	7.619,220	93.907,061	12,325	11,855	86	101	210	0,509	0,968	1,901	1,431
37	52	94.301	7.076,440	86.287,842	12,194	11,724	87	102	111	0,252	0,459	1,818	1,348
38	53	93.902	6.570,185	79.211,401	12,056	11,586	88	103	56	0,118	0,206	1,745	1,275
39	54	93.477	6.098,288	72.641,216	11,912	11,442	89	104	27	0,052	0,088	1,680	1,210
40	55	93.008	5.657,539	66.542,928	11,762	11,292	90	105	12	0,022	0,036	1,619	1,149
41	56	92.496	5.246,068	60.885,389	11,606	11,136	91	106					
42	57	91.950	4.862,546	55.639,320	11,442	10,973	92	107					
43	58	91.337	4.503,653	50.776,774	11,275	10,805	93	108					
44	59	90.673	4.168,643	46.273,121	11,100	10,630	94	109					
45	60	89.970	3.856,712	42.104,478	10,917	10,447	95	110					
46	61	89.199	3.565,204	38.247,766	10,728	10,258	96	111					
47	62	88.396	3.294,274	34.682,561	10,528	10,058	97	112					
48	63	87.511	3.040,815	31.388,288	10,322	9,852	98						
49	64	86.560	2.804,478	28.347,473	10,108	9,638	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -16 Jahre

Zinsfuß 7,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	16	99.423	99.423,027	1.431.029,660	14,393	13,923	50	66	84.843	2.563,019	24.880,265	9,707	9,238
1	17	98.948	92.259,645	1.331.606,633	14,433	13,963	51	67	83.658	2.356,383	22.317,246	9,471	9,001
2	18	98.887	85.969,308	1.239.346,987	14,416	13,946	52	68	82.379	2.163,494	19.960,863	9,226	8,756
3	19	98.838	80.118,677	1.153.377,679	14,396	13,926	53	69	80.959	1.982,476	17.797,369	8,977	8,507
4	20	98.793	74.668,397	1.073.259,003	14,374	13,904	54	70	79.424	1.813,409	15.814,894	8,721	8,251
5	21	98.749	69.589,559	998.590,606	14,350	13,880	55	71	77.763	1.655,474	14.001,485	8,458	7,988
6	22	98.711	64.860,611	929.001,047	14,323	13,853	56	72	75.930	1.507,174	12.346,011	8,191	7,722
7	23	98.673	60.452,674	864.140,436	14,294	13,825	57	73	73.977	1.369,147	10.838,838	7,916	7,447
8	24	98.635	56.344,465	803.687,761	14,264	13,794	58	74	71.843	1.239,766	9.469,691	7,638	7,168
9	25	98.596	52.515,114	747.343,296	14,231	13,761	59	75	69.538	1.118,882	8.229,925	7,355	6,886
10	26	98.563	48.948,512	694.828,181	14,195	13,725	60	76	67.023	1.005,516	7.111,043	7,072	6,602
11	27	98.526	45.622,573	645.879,669	14,157	13,687	61	77	64.351	900,154	6.105,527	6,783	6,313
12	28	98.483	42.519,989	600.257,096	14,117	13,647	62	78	61.509	802,247	5.205,373	6,488	6,019
13	29	98.441	39.628,734	557.737,107	14,074	13,604	63	79	58.432	710,590	4.403,127	6,196	5,727
14	30	98.399	36.934,264	518.108,373	14,028	13,558	64	80	55.165	625,512	3.692,536	5,903	5,433
15	31	98.349	34.419,915	481.174,109	13,980	13,510	65	81	51.649	546,061	3.067,024	5,617	5,147
16	32	98.291	32.074,129	446.754,194	13,929	13,459	66	82	47.916	472,346	2.520,964	5,337	4,867
17	33	98.218	29.883,864	414.680,065	13,876	13,406	67	83	43.962	404,072	2.048,618	5,070	4,600
18	34	98.129	27.838,491	384.796,201	13,822	13,353	68	84	39.938	342,267	1.644,546	4,805	4,335
19	35	98.009	25.924,787	356.957,710	13,769	13,299	69	85	35.860	286,547	1.302,279	4,545	4,075
20	36	97.879	24.140,462	331.032,922	13,713	13,243	70	86	31.903	237,696	1.015,732	4,273	3,803
21	37	97.750	22.478,759	306.892,460	13,653	13,183	71	87	27.869	193,601	778,036	4,019	3,549
22	38	97.613	20.929,939	284.413,701	13,589	13,119	72	88	23.809	154,221	584,435	3,790	3,320
23	39	97.471	19.486,741	263.483,762	13,521	13,051	73	89	19.950	120,486	430,214	3,571	3,101
24	40	97.321	18.141,458	243.997,021	13,450	12,980	74	90	16.334	91,978	309,728	3,367	2,897
25	41	97.166	16.888,134	225.855,563	13,374	12,904	75	91	13.084	68,696	217,749	3,170	2,700
26	42	96.999	15.719,440	208.967,428	13,294	12,824	76	92	10.140	49,643	149,053	3,003	2,533
27	43	96.821	14.629,866	193.247,988	13,209	12,739	77	93	7.656	34,945	99,410	2,845	2,375
28	44	96.626	13.613,452	178.618,122	13,121	12,651	78	94	5.616	23,901	64,465	2,697	2,227
29	45	96.420	12.666,210	165.004,670	13,027	12,557	79	95	3.992	15,843	40,564	2,560	2,091
30	46	96.200	11.782,962	152.338,460	12,929	12,459	80	96	2.747	10,165	24,722	2,432	1,962
31	47	95.957	10.958,701	140.555,499	12,826	12,356	81	97	1.824	6,292	14,557	2,314	1,844
32	48	95.694	10.189,980	129.596,798	12,718	12,248	82	98	1.166	3,752	8,265	2,203	1,733
33	49	95.413	9.473,237	119.406,818	12,605	12,135	83	99	714	2,143	4,513	2,106	1,636
34	50	95.100	8.803,868	109.933,581	12,487	12,017	84	100	420	1,176	2,370	2,016	1,546
35	51	94.769	8.180,174	101.129,713	12,363	11,893	85	101	237	0,618	1,194	1,932	1,462
36	52	94.407	7.598,059	92.949,539	12,233	11,763	86	102	128	0,312	0,576	1,846	1,376
37	53	94.016	7.055,047	85.351,480	12,098	11,628	87	103	66	0,149	0,264	1,768	1,298
38	54	93.606	6.549,439	78.296,433	11,955	11,485	88	104	32	0,067	0,115	1,699	1,230
39	55	93.151	6.077,077	71.746,994	11,806	11,336	89	105	15	0,029	0,047	1,638	1,168
40	56	92.656	5.636,115	65.669,917	11,652	11,182	90	106					
41	57	92.125	5.225,007	60.033,802	11,490	11,020	91	107					
42	58	91.539	4.840,844	54.808,795	11,322	10,852	92	108					
43	59	90.898	4.481,965	49.967,951	11,149	10,679	93	109					
44	60	90.212	4.147,451	45.485,986	10,967	10,497	94	110					
45	61	89.474	3.835,484	41.338,535	10,778	10,308	95	111					
46	62	88.697	3.545,142	37.503,051	10,579	10,109	96	112					
47	63	87.840	3.273,543	33.957,909	10,373	9,904	97						
48	64	86.915	3.020,132	30.684,366	10,160	9,690	98						
49	65	85.927	2.783,969	27.664,234	9,937	9,467	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -17 Jahre

Zinsfuß 7,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	17	99.402	99.401,972	1.429.397,944	14,380	13,910	50	67	84.075	2.539,807	24.178,875	9,520	9,050
1	18	98.927	92.239,347	1.329.995,972	14,419	13,949	51	68	82.808	2.332,431	21.639,068	9,277	8,808
2	19	98.858	85.944,584	1.237.756,625	14,402	13,932	52	69	81.437	2.138,749	19.306,637	9,027	8,557
3	20	98.811	80.096,467	1.151.812,042	14,380	13,910	53	70	79.926	1.957,183	17.167,889	8,772	8,302
4	21	98.762	74.644,812	1.071.715,574	14,358	13,888	54	71	78.295	1.787,634	15.210,706	8,509	8,039
5	22	98.724	69.572,533	997.070,762	14,331	13,861	55	72	76.502	1.628,635	13.423,072	8,242	7,772
6	23	98.684	64.843,051	927.498,229	14,304	13,834	56	73	74.561	1.480,001	11.794,437	7,969	7,499
7	24	98.647	60.436,902	862.655,179	14,274	13,804	57	74	72.470	1.341,254	10.314,437	7,690	7,220
8	25	98.608	56.329,158	802.218,277	14,242	13,772	58	75	70.208	1.211,547	8.973,182	7,406	6,936
9	26	98.572	52.502,192	745.889,119	14,207	13,737	59	76	67.735	1.089,872	7.761,636	7,122	6,652
10	27	98.535	48.934,808	693.386,927	14,170	13,700	60	77	65.083	976,408	6.671,764	6,833	6,363
11	28	98.497	45.609,278	644.452,118	14,130	13,660	61	78	62.257	870,870	5.695,356	6,540	6,070
12	29	98.454	42.507,368	598.842,841	14,088	13,618	62	79	59.230	772,514	4.824,487	6,245	5,775
13	30	98.412	39.617,134	556.335,472	14,043	13,573	63	80	55.974	680,699	4.051,973	5,953	5,483
14	31	98.367	36.922,171	516.718,338	13,995	13,525	64	81	52.478	595,041	3.371,274	5,666	5,196
15	32	98.314	34.407,620	479.796,167	13,944	13,475	65	82	48.770	515,621	2.776,234	5,384	4,914
16	33	98.256	32.062,724	445.388,548	13,891	13,421	66	83	44.820	441,821	2.260,613	5,117	4,647
17	34	98.179	29.871,923	413.325,823	13,837	13,367	67	84	40.812	375,117	1.818,792	4,849	4,379
18	35	98.083	27.825,440	383.453,900	13,781	13,311	68	85	36.728	314,762	1.443,675	4,587	4,117
19	36	97.958	25.911,515	355.628,460	13,725	13,255	69	86	32.746	261,667	1.128,913	4,314	3,844
20	37	97.824	24.126,812	329.716,945	13,666	13,196	70	87	28.687	213,733	867,246	4,058	3,588
21	38	97.690	22.464,975	305.590,133	13,603	13,133	71	88	24.584	170,780	653,513	3,827	3,357
22	39	97.545	20.915,299	283.125,159	13,537	13,067	72	89	20.678	133,937	482,733	3,604	3,134
23	40	97.393	19.471,146	262.209,860	13,467	12,997	73	90	16.993	102,627	348,796	3,399	2,929
24	41	97.237	18.125,676	242.738,714	13,392	12,922	74	91	13.664	76,944	246,169	3,199	2,729
25	42	97.070	16.871,440	224.613,038	13,313	12,843	75	92	10.632	55,823	169,225	3,031	2,562
26	43	96.890	15.701,761	207.741,598	13,230	12,761	76	93	8.058	39,446	113,402	2,875	2,405
27	44	96.695	14.610,876	192.039,837	13,144	12,674	77	94	5.941	27,118	73,956	2,727	2,257
28	45	96.491	13.594,502	177.428,960	13,052	12,582	78	95	4.250	18,089	46,838	2,589	2,119
29	46	96.267	12.646,121	163.834,458	12,955	12,485	79	96	2.943	11,680	28,749	2,461	1,992
30	47	96.027	11.761,800	151.188,337	12,854	12,384	80	97	1.970	7,290	17,069	2,341	1,872
31	48	95.770	10.937,390	139.426,538	12,748	12,278	81	98	1.271	4,384	9,779	2,231	1,761
32	49	95.492	10.168,378	128.489,147	12,636	12,166	82	99	788	2,536	5,395	2,127	1,657
33	50	95.184	9.450,438	118.320,770	12,520	12,050	83	100	468	1,404	2,859	2,037	1,567
34	51	94.860	8.781,623	108.870,332	12,398	11,928	84	101	266	0,745	1,455	1,953	1,483
35	52	94.506	8.157,455	100.088,708	12,270	11,800	85	102	145	0,379	0,710	1,874	1,404
36	53	94.122	7.575,089	91.931,253	12,136	11,666	86	103	76	0,185	0,331	1,793	1,323
37	54	93.719	7.032,770	84.356,164	11,995	11,525	87	104	38	0,085	0,146	1,720	1,250
38	55	93.280	6.526,659	77.323,394	11,847	11,377	88	105	18	0,037	0,061	1,656	1,186
39	56	92.799	6.054,064	70.796,735	11,694	11,224	89						
40	57	92.284	5.613,487	64.742,671	11,533	11,064	90						
41	58	91.714	5.201,687	59.129,184	11,367	10,897	91						
42	59	91.099	4.817,533	53.927,497	11,194	10,724	92						
43	60	90.435	4.459,180	49.109,964	11,013	10,543	93						
44	61	89.715	4.124,622	44.650,784	10,825	10,356	94						
45	62	88.971	3.813,900	40.526,162	10,626	10,156	95						
46	63	88.139	3.522,833	36.712,262	10,421	9,951	96						
47	64	87.242	3.251,277	33.189,429	10,208	9,738	97						
48	65	86.280	2.998,046	29.938,152	9,986	9,516	98						
49	66	85.226	2.761,231	26.940,106	9,757	9,287	99						
							100						

Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente nach der Sterbetafel 2002/2004

Altersdifferenz zwischen Mann und Frau (x - y) = -18 Jahre

Zinsfuß 7,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	18	99.380	99.380,101	1.427.656,008	14,366	13,896	50	68	83.220	2.513,990	23.438,319	9,323	8,853
1	19	98.898	92.212,819	1.328.275,907	14,404	13,935	51	69	81.861	2.305,753	20.924,329	9,075	8,605
2	20	98.831	85.920,760	1.236.063,087	14,386	13,916	52	70	80.398	2.111,462	18.618,576	8,818	8,348
3	21	98.780	80.071,168	1.150.142,328	14,364	13,894	53	71	78.790	1.929,364	16.507,114	8,556	8,086
4	22	98.738	74.626,549	1.070.071,160	14,339	13,869	54	72	77.025	1.758,652	14.577,749	8,289	7,819
5	23	98.698	69.553,697	995.444,611	14,312	13,842	55	73	75.123	1.599,272	12.819,097	8,016	7,546
6	24	98.658	64.826,133	925.890,914	14,283	13,813	56	74	73.042	1.449,850	11.219,826	7,739	7,269
7	25	98.620	60.420,482	861.064,781	14,251	13,781	57	75	70.820	1.310,725	9.769,976	7,454	6,984
8	26	98.584	56.315,297	800.644,299	14,217	13,747	58	76	68.387	1.180,134	8.459,251	7,168	6,698
9	27	98.544	52.487,494	744.329,002	14,181	13,711	59	77	65.775	1.058,322	7.279,117	6,878	6,408
10	28	98.506	48.920,547	691.841,508	14,142	13,672	60	78	62.966	944,643	6.220,795	6,585	6,115
11	29	98.468	45.595,740	642.920,961	14,100	13,631	61	79	59.950	838,593	5.276,152	6,292	5,822
12	30	98.425	42.494,926	597.325,221	14,056	13,586	62	80	56.738	740,017	4.437,559	5,997	5,527
13	31	98.380	39.604,163	554.830,295	14,009	13,539	63	81	53.247	647,539	3.697,542	5,710	5,240
14	32	98.332	36.908,982	515.226,132	13,959	13,489	64	82	49.552	561,871	3.050,003	5,428	4,958
15	33	98.279	34.395,385	478.317,150	13,906	13,437	65	83	45.619	482,299	2.488,132	5,159	4,689
16	34	98.216	32.049,913	443.921,765	13,851	13,381	66	84	41.608	410,161	2.005,833	4,890	4,420
17	35	98.133	29.857,918	411.871,852	13,794	13,324	67	85	37.532	344,972	1.595,672	4,626	4,156
18	36	98.033	27.811,195	382.013,934	13,736	13,266	68	86	33.539	287,433	1.250,700	4,351	3,881
19	37	97.903	25.896,863	354.202,739	13,677	13,208	69	87	29.445	235,287	963,267	4,094	3,624
20	38	97.764	24.112,017	328.305,876	13,616	13,146	70	88	25.305	188,538	727,979	3,861	3,391
21	39	97.621	22.449,260	304.193,859	13,550	13,080	71	89	21.350	148,318	539,441	3,637	3,167
22	40	97.467	20.898,561	281.744,599	13,482	13,012	72	90	17.613	114,084	391,123	3,428	2,958
23	41	97.309	19.454,207	260.846,038	13,408	12,938	73	91	14.215	85,852	277,039	3,227	2,757
24	42	97.140	18.107,759	241.391,831	13,331	12,861	74	92	11.103	62,524	191,187	3,058	2,588
25	43	96.961	16.852,466	223.284,073	13,249	12,779	75	93	8.448	44,357	128,663	2,901	2,431
26	44	96.764	15.681,380	206.431,607	13,164	12,694	76	94	6.253	30,611	84,306	2,754	2,284
27	45	96.560	14.590,538	190.750,227	13,074	12,604	77	95	4.496	20,524	53,695	2,616	2,146
28	46	96.338	13.572,941	176.159,689	12,979	12,509	78	96	3.133	13,336	33,171	2,487	2,017
29	47	96.094	12.623,409	162.586,748	12,880	12,410	79	97	2.111	8,376	19,835	2,368	1,898
30	48	95.840	11.738,927	149.963,339	12,775	12,305	80	98	1.373	5,079	11,458	2,256	1,786
31	49	95.567	10.914,204	138.224,412	12,665	12,195	81	99	859	2,964	6,379	2,153	1,683
32	50	95.262	10.143,905	127.310,209	12,550	12,081	82	100	517	1,662	3,416	2,056	1,586
33	51	94.943	9.426,560	117.166,304	12,429	11,959	83	101	297	0,890	1,754	1,971	1,501
34	52	94.597	8.757,235	107.739,743	12,303	11,833	84	102	163	0,457	0,864	1,892	1,423
35	53	94.220	8.132,794	98.982,509	12,171	11,701	85	103	86	0,224	0,408	1,819	1,349
36	54	93.825	7.551,170	90.849,715	12,031	11,561	86	104	43	0,105	0,183	1,744	1,274
37	55	93.393	7.008,309	83.298,545	11,886	11,416	87	105	21	0,047	0,078	1,675	1,205
38	56	92.927	6.501,943	76.290,236	11,733	11,264	88	106					
39	57	92.426	6.029,759	69.788,293	11,574	11,104	89	107					
40	58	91.872	5.588,434	63.758,534	11,409	10,939	90	108					
41	59	91.272	5.176,638	58.170,100	11,237	10,767	91	109					
42	60	90.635	4.793,041	52.993,463	11,056	10,586	92	110					
43	61	89.938	4.434,635	48.200,421	10,869	10,399	93	111					
44	62	89.210	4.101,411	43.765,786	10,671	10,201	94	112					
45	63	88.411	3.789,900	39.664,374	10,466	9,996	95						
46	64	87.539	3.498,871	35.874,475	10,253	9,783	96						
47	65	86.604	3.227,501	32.375,604	10,031	9,561	97						
48	66	85.575	2.973,560	29.148,103	9,802	9,333	98						
49	67	84.454	2.736,224	26.174,543	9,566	9,096	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -19 Jahre

Zinsfuß 7,25%

Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	19	99.352	99.351,520	1.425.796,679	14,351	13,881	50	69	82.268	2.485,236	22.658,628	9,117	8,647
1	20	98.871	92.187,257	1.326.445,159	14,389	13,919	51	70	80.816	2.276,336	20.173,393	8,862	8,392
2	21	98.800	85.893,621	1.234.257,901	14,370	13,900	52	71	79.255	2.081,451	17.897,056	8,598	8,128
3	22	98.756	80.051,577	1.148.364,280	14,345	13,875	53	72	77.513	1.898,085	15.815,606	8,332	7,863
4	23	98.711	74.606,344	1.068.312,703	14,319	13,849	54	73	75.637	1.726,945	13.917,521	8,059	7,589
5	24	98.672	69.535,550	993.706,359	14,291	13,821	55	74	73.593	1.566,691	12.190,576	7,781	7,311
6	25	98.632	64.808,521	924.170,809	14,260	13,790	56	75	71.379	1.416,848	10.623,885	7,498	7,028
7	26	98.596	60.405,615	859.362,288	14,227	13,757	57	76	68.984	1.276,741	9.207,036	7,211	6,741
8	27	98.556	56.299,531	798.956,673	14,191	13,721	58	77	66.408	1.145,971	7.930,295	6,920	6,450
9	28	98.516	52.472,197	742.657,142	14,153	13,683	59	78	63.635	1.023,892	6.784,324	6,626	6,156
10	29	98.477	48.906,026	690.184,945	14,112	13,643	60	79	60.632	909,632	5.760,432	6,333	5,863
11	30	98.439	45.582,394	641.278,919	14,069	13,599	61	80	57.428	803,317	4.850,799	6,038	5,569
12	31	98.393	42.481,013	595.696,525	14,023	13,553	62	81	53.974	703,968	4.047,482	5,750	5,280
13	32	98.345	39.590,016	553.215,512	13,974	13,504	63	82	50.279	611,442	3.343,515	5,468	4,998
14	33	98.297	36.895,858	513.625,496	13,921	13,451	64	83	46.350	525,560	2.732,072	5,198	4,729
15	34	98.239	34.381,642	476.729,639	13,866	13,396	65	84	42.350	447,739	2.206,512	4,928	4,458
16	35	98.170	32.034,887	442.347,997	13,808	13,338	66	85	38.264	377,200	1.758,773	4,663	4,193
17	36	98.082	29.842,632	410.313,110	13,749	13,279	67	86	34.273	315,020	1.381,573	4,386	3,916
18	37	97.977	27.795,469	380.470,477	13,688	13,218	68	87	30.158	258,456	1.066,553	4,127	3,657
19	38	97.843	25.880,983	352.675,008	13,627	13,157	69	88	25.974	207,552	808,098	3,893	3,424
20	39	97.696	24.095,150	326.794,026	13,563	13,093	70	89	21.977	163,741	600,545	3,668	3,198
21	40	97.543	22.431,295	302.698,876	13,494	13,025	71	90	18.186	126,334	436,805	3,458	2,988
22	41	97.382	20.880,380	280.267,581	13,423	12,953	72	91	14.734	95,436	310,471	3,253	2,783
23	42	97.212	19.434,976	259.387,201	13,346	12,877	73	92	11.551	69,763	215,036	3,082	2,612
24	43	97.031	18.087,393	239.952,225	13,266	12,796	74	93	8.823	49,682	145,273	2,924	2,454
25	44	96.835	16.830,591	221.864,831	13,182	12,712	75	94	6.556	34,422	95,590	2,777	2,307
26	45	96.629	15.659,551	205.034,241	13,093	12,623	76	95	4.732	23,168	61,169	2,640	2,170
27	46	96.407	14.567,397	189.374,689	13,000	12,530	77	96	3.315	15,131	38,001	2,511	2,042
28	47	96.165	13.548,564	174.807,292	12,902	12,432	78	97	2.247	9,564	22,870	2,391	1,921
29	48	95.908	12.598,861	161.258,728	12,799	12,330	79	98	1.471	5,836	13,306	2,280	1,810
30	49	95.637	11.714,041	148.659,867	12,691	12,221	80	99	928	3,434	7,469	2,175	1,705
31	50	95.337	10.887,936	136.945,826	12,578	12,108	81	100	563	1,941	4,036	2,079	1,609
32	51	95.021	10.118,275	126.057,890	12,458	11,989	82	101	327	1,053	2,094	1,988	1,518
33	52	94.680	9.400,380	115.939,614	12,334	11,864	83	102	182	0,545	1,041	1,909	1,439
34	53	94.311	8.730,760	106.539,234	12,203	11,733	84	103	97	0,270	0,496	1,836	1,366
35	54	93.923	8.107,114	97.808,474	12,065	11,595	85	104	49	0,128	0,226	1,767	1,297
36	55	93.498	7.524,905	89.701,360	11,921	11,451	86	105	24	0,058	0,098	1,696	1,226
37	56	93.039	6.981,769	82.176,455	11,770	11,300	87	106					
38	57	92.554	6.475,840	75.194,686	11,612	11,142	88	107					
39	58	92.014	6.002,847	68.718,846	11,448	10,978	89	108					
40	59	91.429	5.561,522	62.715,999	11,277	10,807	90	109					
41	60	90.808	5.150,321	57.154,477	11,097	10,627	91	110					
42	61	90.137	4.766,659	52.004,156	10,910	10,440	92	111					
43	62	89.432	4.409,680	47.237,496	10,712	10,242	93	112					
44	63	88.649	4.075,602	42.827,816	10,508	10,038	94						
45	64	87.810	3.764,121	38.752,215	10,295	9,825	95						
46	65	86.899	3.473,284	34.988,093	10,073	9,604	96						
47	66	85.897	3.201,141	31.514,809	9,845	9,375	97						
48	67	84.800	2.946,630	28.313,668	9,609	9,139	98						
49	68	83.595	2.708,410	25.367,038	9,366	8,896	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -20 Jahre

Zinsfuß 7,25%

Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	20	99.324	99.323,980	1.423.818,644	14,335	13,865	50	70	81.219	2.453,529	21.840,227	8,902	8,432
1	21	98.840	92.158,139	1.324.494,664	14,372	13,902	51	71	79.668	2.243,981	19.386,699	8,639	8,170
2	22	98.776	85.872,605	1.232.336,525	14,351	13,881	52	72	77.970	2.047,706	17.142,717	8,372	7,902
3	23	98.729	80.029,904	1.146.463,919	14,325	13,856	53	73	76.115	1.863,864	15.095,012	8,099	7,629
4	24	98.685	74.586,879	1.066.434,015	14,298	13,828	54	74	74.096	1.691,763	13.231,148	7,821	7,351
5	25	98.645	69.516,658	991.847,136	14,268	13,798	55	75	71.918	1.531,030	11.539,384	7,537	7,067
6	26	98.607	64.792,574	922.330,478	14,235	13,765	56	76	69.529	1.380,113	10.008,354	7,252	6,782
7	27	98.568	60.388,704	857.537,904	14,200	13,730	57	77	66.987	1.239,782	8.628,241	6,959	6,490
8	28	98.527	56.283,124	797.149,200	14,163	13,693	58	78	64.247	1.108,690	7.388,459	6,664	6,194
9	29	98.486	52.456,622	740.866,077	14,123	13,654	59	79	61.276	985,944	6.279,769	6,369	5,899
10	30	98.448	48.891,711	688.409,454	14,080	13,610	60	80	58.082	871,368	5.293,825	6,075	5,605
11	31	98.407	45.567,469	639.517,743	14,035	13,565	61	81	54.630	764,184	4.422,457	5,787	5,317
12	32	98.357	42.465,838	593.950,274	13,987	13,517	62	82	50.965	664,726	3.658,273	5,503	5,034
13	33	98.310	39.575,939	551.484,436	13,935	13,465	63	83	47.030	571,928	2.993,548	5,234	4,764
14	34	98.258	36.881,115	511.908,497	13,880	13,410	64	84	43.029	487,900	2.421,619	4,963	4,493
15	35	98.193	34.365,523	475.027,382	13,823	13,353	65	85	38.946	411,758	1.933,719	4,696	4,226
16	36	98.120	32.018,487	440.661,859	13,763	13,293	66	86	34.942	344,450	1.521,961	4,419	3,949
17	37	98.027	29.825,758	408.643,372	13,701	13,231	67	87	30.818	283,261	1.177,512	4,157	3,687
18	38	97.917	27.778,424	378.817,615	13,637	13,167	68	88	26.603	227,990	894,251	3,922	3,452
19	39	97.774	25.862,879	351.039,191	13,573	13,103	69	89	22.558	180,254	666,261	3,696	3,226
20	40	97.618	24.075,868	325.176,312	13,506	13,036	70	90	18.719	139,470	486,008	3,485	3,015
21	41	97.458	22.411,780	301.100,444	13,435	12,965	71	91	15.213	105,683	346,537	3,279	2,809
22	42	97.286	20.859,740	278.688,664	13,360	12,890	72	92	11.973	77,551	240,855	3,106	2,636
23	43	97.103	19.413,118	257.828,925	13,281	12,811	73	93	9.179	55,434	163,304	2,946	2,476
24	44	96.905	18.063,915	238.415,806	13,198	12,729	74	94	6.847	38,554	107,869	2,798	2,328
25	45	96.700	16.807,162	220.351,891	13,111	12,641	75	95	4.962	26,052	69,315	2,661	2,191
26	46	96.476	15.634,715	203.544,728	13,019	12,549	76	96	3.489	17,080	43,263	2,533	2,063
27	47	96.234	14.541,234	187.910,013	12,923	12,453	77	97	2.377	10,851	26,183	2,413	1,943
28	48	95.978	13.522,217	173.368,779	12,821	12,351	78	98	1.566	6,664	15,331	2,301	1,831
29	49	95.704	12.572,152	159.846,562	12,714	12,244	79	99	994	3,945	8,668	2,197	1,727
30	50	95.407	11.685,849	147.274,410	12,603	12,133	80	100	608	2,249	4,722	2,099	1,630
31	51	95.096	10.860,426	135.588,561	12,485	12,015	81	101	357	1,231	2,473	2,009	1,539
32	52	94.757	10.090,174	124.728,135	12,361	11,891	82	102	201	0,645	1,242	1,925	1,455
33	53	94.393	9.371,961	114.637,960	12,232	11,762	83	103	108	0,322	0,597	1,851	1,381
34	54	94.013	8.703,192	105.265,999	12,095	11,625	84	104	55	0,154	0,274	1,782	1,312
35	55	93.596	8.078,916	96.562,807	11,952	11,483	85	105	27	0,070	0,120	1,718	1,248
36	56	93.144	7.496,410	88.483,891	11,804	11,334	86	106					
37	57	92.666	6.953,739	80.987,482	11,647	11,177	87	107					
38	58	92.141	6.446,937	74.033,743	11,484	11,014	88	108					
39	59	91.570	5.973,940	67.586,805	11,314	10,844	89	109					
40	60	90.965	5.533,249	61.612,865	11,135	10,665	90	110					
41	61	90.308	5.121,972	56.079,617	10,949	10,479	91	111					
42	62	89.629	4.739,836	50.957,644	10,751	10,281	92	112					
43	63	88.869	4.381,930	46.217,809	10,547	10,077	93						
44	64	88.046	4.047,880	41.835,878	10,335	9,865	94						
45	65	87.167	3.736,595	37.787,998	10,113	9,643	95						
46	66	86.190	3.444,917	34.051,403	9,885	9,415	96						
47	67	85.119	3.172,150	30.606,487	9,649	9,179	97						
48	68	83.938	2.916,677	27.434,337	9,406	8,936	98						
49	69	82.639	2.677,433	24.517,660	9,157	8,687	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -21 Jahre

Zinsfuß 7,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	21	99.293	99.292,607	1.421.712,183	14,318	13,849	50	71	80.064	2.418,655	20.983,624	8,676	8,206
1	22	98.815	92.135,591	1.322.419,575	14,353	13,883	51	72	78.376	2.207,601	18.564,969	8,410	7,940
2	23	98.749	85.849,356	1.230.283,984	14,331	13,861	52	73	76.564	2.010,787	16.357,367	8,135	7,665
3	24	98.703	80.009,024	1.144.434,628	14,304	13,834	53	74	74.565	1.825,893	14.346,580	7,857	7,387
4	25	98.658	74.566,616	1.064.425,605	14,275	13,805	54	75	72.409	1.653,256	12.520,687	7,573	7,103
5	26	98.621	69.499,553	989.858,989	14,243	13,773	55	76	70.053	1.491,335	10.867,431	7,287	6,817
6	27	98.580	64.774,434	920.359,437	14,209	13,739	56	77	67.516	1.340,161	9.376,097	6,996	6,526
7	28	98.539	60.371,105	855.585,002	14,172	13,702	57	78	64.808	1.199,448	8.035,936	6,700	6,230
8	29	98.498	56.266,418	795.213,897	14,133	13,663	58	79	61.866	1.067,599	6.836,487	6,404	5,934
9	30	98.458	52.441,268	738.947,480	14,091	13,621	59	80	58.699	944,469	5.768,888	6,108	5,638
10	31	98.416	48.875,703	686.506,212	14,046	13,576	60	81	55.252	828,920	4.824,418	5,820	5,350
11	32	98.372	45.551,192	637.630,509	13,998	13,528	61	82	51.585	721,585	3.995,499	5,537	5,067
12	33	98.322	42.450,738	592.079,317	13,947	13,478	62	83	47.672	621,768	3.273,913	5,265	4,796
13	34	98.270	39.560,125	549.628,578	13,893	13,424	63	84	43.660	530,945	2.652,145	4,995	4,525
14	35	98.212	36.863,824	510.068,453	13,837	13,367	64	85	39.571	448,691	2.121,200	4,728	4,258
15	36	98.143	34.347,929	473.204,629	13,777	13,307	65	86	35.565	376,007	1.672,508	4,448	3,978
16	37	98.065	32.000,382	438.856,699	13,714	13,244	66	87	31.419	309,724	1.296,501	4,186	3,716
17	38	97.967	29.807,468	406.856,318	13,649	13,180	67	88	27.185	249,871	986,777	3,949	3,479
18	39	97.849	27.758,993	377.048,850	13,583	13,113	68	89	23.104	198,003	736,906	3,722	3,252
19	40	97.696	25.842,182	349.289,857	13,516	13,046	69	90	19.214	153,536	538,903	3,510	3,040
20	41	97.533	24.054,922	323.447,676	13,446	12,976	70	91	15.660	116,672	385,368	3,303	2,833
21	42	97.362	22.389,626	299.392,754	13,372	12,902	71	92	12.362	85,878	268,696	3,129	2,659
22	43	97.176	20.836,279	277.003,127	13,294	12,824	72	93	9.514	61,623	182,818	2,967	2,497
23	44	96.977	19.387,920	256.166,848	13,213	12,743	73	94	7.123	43,018	121,195	2,817	2,347
24	45	96.770	18.038,770	236.778,928	13,126	12,656	74	95	5.182	29,180	78,177	2,679	2,209
25	46	96.547	16.780,506	218.740,158	13,035	12,565	75	96	3.658	19,206	48,997	2,551	2,081
26	47	96.303	15.606,635	201.959,652	12,941	12,471	76	97	2.502	12,249	29,791	2,432	1,962
27	48	96.047	14.512,957	186.353,016	12,840	12,371	77	98	1.656	7,561	17,542	2,320	1,850
28	49	95.775	13.493,551	171.840,059	12,735	12,265	78	99	1.058	4,505	9,981	2,216	1,746
29	50	95.474	12.541,894	158.346,508	12,625	12,156	79	100	651	2,585	5,476	2,119	1,649
30	51	95.166	11.656,323	145.804,614	12,509	12,039	80	101	385	1,426	2,892	2,028	1,558
31	52	94.832	10.830,264	134.148,291	12,386	11,917	81	102	219	0,754	1,466	1,944	1,474
32	53	94.471	10.059,670	123.318,027	12,259	11,789	82	103	119	0,382	0,712	1,865	1,395
33	54	94.095	9.342,369	113.258,357	12,123	11,653	83	104	61	0,184	0,330	1,796	1,326
34	55	93.686	8.672,920	103.915,988	11,982	11,512	84	105	30	0,084	0,146	1,731	1,261
35	56	93.242	8.048,322	95.243,068	11,834	11,364	85	106					
36	57	92.770	7.466,314	87.194,746	11,678	11,209	86	107					
37	58	92.252	6.922,704	79.728,433	11,517	11,047	87	108					
38	59	91.697	6.415,891	72.805,729	11,348	10,878	88	109					
39	60	91.105	5.943,570	66.389,837	11,170	10,700	89	110					
40	61	90.464	5.502,792	60.446,267	10,985	10,515	90	111					
41	62	89.800	5.093,149	54.943,475	10,788	10,318	91	112					
42	63	89.065	4.710,008	49.850,326	10,584	10,114	92						
43	64	88.264	4.352,125	45.140,318	10,372	9,902	93						
44	65	87.402	4.018,279	40.788,193	10,151	9,681	94						
45	66	86.456	3.706,077	36.769,914	9,922	9,452	95						
46	67	85.409	3.413,717	33.063,837	9,686	9,216	96						
47	68	84.254	3.139,905	29.650,120	9,443	8,973	97						
48	69	82.978	2.883,317	26.510,215	9,194	8,724	98						
49	70	81.585	2.643,273	23.626,898	8,938	8,469	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -22 Jahre

Zinsfuß 7,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	22	99.268	99.268,313	1.419.472,163	14,299	13,829	50	72	78.766	2.379,443	20.089,624	8,443	7,973
1	23	98.789	92.110,646	1.320.203,850	14,333	13,863	51	73	76.963	2.167,800	17.710,180	8,170	7,700
2	24	98.723	85.826,957	1.228.093,204	14,309	13,839	52	74	75.004	1.969,823	15.542,380	7,890	7,420
3	25	98.676	79.987,287	1.142.266,246	14,281	13,811	53	75	72.867	1.784,332	13.572,557	7,607	7,137
4	26	98.634	74.548,267	1.062.278,960	14,250	13,780	54	76	70.532	1.610,391	11.788,225	7,320	6,850
5	27	98.593	69.480,095	987.730,692	14,216	13,746	55	77	68.025	1.448,163	10.177,834	7,028	6,558
6	28	98.551	64.755,557	918.250,597	14,180	13,710	56	78	65.319	1.296,562	8.729,671	6,733	6,263
7	29	98.510	60.353,185	853.495,040	14,142	13,672	57	79	62.406	1.154,994	7.433,109	6,436	5,966
8	30	98.469	56.249,948	793.141,854	14,100	13,630	58	80	59.264	1.022,690	6.278,114	6,139	5,669
9	31	98.425	52.424,098	736.891,906	14,056	13,586	59	81	55.839	898,460	5.255,425	5,849	5,379
10	32	98.381	48.858,244	684.467,809	14,009	13,539	60	82	52.172	782,712	4.356,965	5,566	5,097
11	33	98.337	45.534,995	635.609,564	13,959	13,489	61	83	48.251	674,954	3.574,252	5,296	4,826
12	34	98.283	42.433,776	590.074,569	13,906	13,436	62	84	44.256	577,214	2.899,299	5,023	4,553
13	35	98.224	39.541,579	547.640,793	13,850	13,380	63	85	40.151	488,278	2.322,085	4,756	4,286
14	36	98.161	36.844,952	508.099,215	13,790	13,320	64	86	36.135	409,734	1.833,807	4,476	4,006
15	37	98.088	34.328,507	471.254,263	13,728	13,258	65	87	31.979	338,100	1.424,073	4,212	3,742
16	38	98.004	31.980,758	436.925,756	13,662	13,192	66	88	27.716	273,215	1.085,973	3,975	3,505
17	39	97.898	29.786,617	404.944,998	13,595	13,125	67	89	23.610	217,006	812,758	3,745	3,275
18	40	97.770	27.736,778	375.158,380	13,526	13,056	68	90	19.679	168,654	595,752	3,532	3,062
19	41	97.611	25.819,699	347.421,602	13,456	12,986	69	91	16.073	128,438	427,098	3,325	2,855
20	42	97.436	24.031,144	321.601,903	13,383	12,913	70	92	12.725	94,808	298,660	3,150	2,680
21	43	97.253	22.364,445	297.570,759	13,306	12,836	71	93	9.823	68,239	203,852	2,987	2,517
22	44	97.050	20.809,233	275.206,313	13,225	12,755	72	94	7.383	47,820	135,613	2,836	2,366
23	45	96.842	19.360,932	254.397,080	13,140	12,670	73	95	5.391	32,558	87,793	2,696	2,227
24	46	96.617	18.010,161	235.036,148	13,050	12,580	74	96	3.820	21,512	55,235	2,568	2,098
25	47	96.373	16.750,369	217.025,988	12,956	12,487	75	97	2.623	13,774	33,723	2,448	1,978
26	48	96.116	15.576,286	200.275,619	12,858	12,388	76	98	1.743	8,535	19,948	2,337	1,867
27	49	95.843	14.482,190	184.699,333	12,754	12,284	77	99	1.120	5,111	11,414	2,233	1,763
28	50	95.544	13.461,076	170.217,143	12,645	12,175	78	100	693	2,951	6,303	2,136	1,666
29	51	95.233	12.510,205	156.756,067	12,530	12,060	79	101	413	1,638	3,352	2,046	1,576
30	52	94.901	11.623,951	144.245,861	12,409	11,939	80	102	236	0,874	1,713	1,961	1,491
31	53	94.545	10.797,522	132.621,911	12,283	11,813	81	103	129	0,446	0,839	1,882	1,412
32	54	94.172	10.027,906	121.824,388	12,149	11,679	82	104	68	0,218	0,393	1,808	1,338
33	55	93.768	9.309,874	111.796,483	12,008	11,538	83	105	34	0,101	0,176	1,743	1,273
34	56	93.331	8.640,077	102.486,609	11,862	11,392	84	106					
35	57	92.868	8.016,010	93.846,532	11,707	11,237	85	107					
36	58	92.356	7.432,991	85.830,522	11,547	11,077	86	108					
37	59	91.808	6.889,367	78.397,531	11,379	10,910	87	109					
38	60	91.231	6.383,274	71.508,164	11,202	10,733	88	110					
39	61	90.604	5.910,855	65.124,890	11,018	10,548	89	111					
40	62	89.955	5.471,826	59.214,035	10,822	10,352	90	112					
41	63	89.235	5.061,098	53.742,209	10,619	10,149	91						
42	64	88.459	4.677,972	48.681,110	10,406	9,937	92						
43	65	87.619	4.320,299	44.003,139	10,185	9,715	93						
44	66	86.688	3.985,460	39.682,840	9,957	9,487	94						
45	67	85.673	3.672,513	35.697,380	9,720	9,250	95						
46	68	84.541	3.379,017	32.024,867	9,478	9,008	96						
47	69	83.290	3.103,992	28.645,850	9,229	8,759	97						
48	70	81.919	2.846,532	25.541,859	8,973	8,503	98						
49	71	80.425	2.605,703	22.695,327	8,710	8,240	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -23 Jahre

Zinsfuß 7,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	23	99.241	99.241,437	1.417.081,353	14,279	13,809	50	73	77.346	2.336,544	19.160,383	8,200	7,730
1	24	98.763	92.086,614	1.317.839,916	14,311	13,841	51	74	75.395	2.123,637	16.823,839	7,922	7,452
2	25	98.696	85.803,640	1.225.753,302	14,286	13,816	52	75	73.297	1.924,986	14.700,202	7,637	7,167
3	26	98.652	79.967,605	1.139.949,662	14,255	13,785	53	76	70.978	1.738,069	12.775,215	7,350	6,880
4	27	98.606	74.527,397	1.059.982,057	14,223	13,753	54	77	68.490	1.563,773	11.037,146	7,058	6,588
5	28	98.564	69.459,847	985.454,661	14,187	13,718	55	78	65.812	1.401,051	9.473,373	6,762	6,292
6	29	98.522	64.736,336	915.994,814	14,150	13,680	56	79	62.899	1.248,509	8.072,323	6,466	5,996
7	30	98.481	60.335,519	851.258,477	14,109	13,639	57	80	59.781	1.106,408	6.823,814	6,168	5,698
8	31	98.437	56.231,531	790.922,958	14,065	13,596	58	81	56.377	972,870	5.717,406	5,877	5,407
9	32	98.390	52.405,371	734.691,427	14,019	13,549	59	82	52.727	848,376	4.744,536	5,592	5,123
10	33	98.346	48.840,872	682.286,056	13,970	13,500	60	83	48.801	732,130	3.896,159	5,322	4,852
11	34	98.297	45.516,800	633.445,184	13,917	13,447	61	84	44.794	626,588	3.164,029	5,050	4,580
12	35	98.237	42.413,882	587.928,384	13,862	13,392	62	85	40.699	530,828	2.537,441	4,780	4,310
13	36	98.174	39.521,335	545.514,502	13,803	13,333	63	86	36.665	445,883	2.006,613	4,500	4,030
14	37	98.106	36.824,117	505.993,167	13,741	13,271	64	87	32.492	368,427	1.560,730	4,236	3,766
15	38	98.028	34.307,456	469.169,049	13,675	13,206	65	88	28.210	298,246	1.192,303	3,998	3,528
16	39	97.936	31.958,387	434.861,593	13,607	13,137	66	89	24.070	237,279	894,057	3,768	3,298
17	40	97.820	29.762,780	402.903,206	13,537	13,067	67	90	20.110	184,841	656,778	3,553	3,083
18	41	97.685	27.712,648	373.140,426	13,465	12,995	68	91	16.463	141,085	471,937	3,345	2,875
19	42	97.515	25.794,177	345.427,778	13,392	12,922	69	92	13.061	104,369	330,852	3,170	2,700
20	43	97.327	24.004,117	319.633,601	13,316	12,846	70	93	10.111	75,335	226,483	3,006	2,536
21	44	97.126	22.335,416	295.629,484	13,236	12,766	71	94	7.623	52,954	151,148	2,854	2,384
22	45	96.915	20.780,267	273.294,068	13,152	12,682	72	95	5.588	36,193	98,193	2,713	2,243
23	46	96.689	19.330,225	252.513,802	13,063	12,593	73	96	3.974	24,003	62,001	2,583	2,113
24	47	96.443	17.977,815	233.183,576	12,971	12,501	74	97	2.740	15,428	37,998	2,463	1,993
25	48	96.186	16.717,795	215.205,762	12,873	12,403	75	98	1.828	9,577	22,570	2,352	1,882
26	49	95.912	15.543,265	198.487,967	12,770	12,300	76	99	1.179	5,770	12,973	2,249	1,779
27	50	95.613	14.447,336	182.944,701	12,663	12,193	77	100	734	3,348	7,203	2,151	1,682
28	51	95.303	13.427,065	168.497,365	12,549	12,079	78	101	440	1,871	3,855	2,061	1,591
29	52	94.968	12.475,462	155.070,301	12,430	11,960	79	102	253	1,004	1,984	1,977	1,507
30	53	94.615	11.588,809	142.594,839	12,305	11,835	80	103	140	0,517	0,980	1,898	1,428
31	54	94.247	10.763,429	131.006,030	12,171	11,702	81	104	74	0,254	0,464	1,824	1,354
32	55	93.845	9.993,026	120.242,602	12,033	11,563	82	105	37	0,119	0,210	1,755	1,285
33	56	93.413	9.274,619	110.249,575	11,887	11,417	83	106					
34	57	92.956	8.605,390	100.974,957	11,734	11,264	84	107					
35	58	92.453	7.980,234	92.369,567	11,575	11,105	85	108					
36	59	91.912	7.397,196	84.389,333	11,408	10,938	86	109					
37	60	91.341	6.854,343	76.992,137	11,233	10,763	87	110					
38	61	90.729	6.348,139	70.137,794	11,049	10,579	88	111					
39	62	90.094	5.877,592	63.789,655	10,853	10,383	89	112					
40	63	89.389	5.437,392	57.912,062	10,651	10,181	90						
41	64	88.628	5.026,674	52.474,670	10,439	9,969	91						
42	65	87.813	4.643,763	47.447,996	10,218	9,748	92						
43	66	86.903	4.285,013	42.804,234	9,989	9,519	93						
44	67	85.903	3.949,365	38.519,220	9,753	9,283	94						
45	68	84.802	3.635,181	34.569,855	9,510	9,040	95						
46	69	83.574	3.340,369	30.934,674	9,261	8,791	96						
47	70	82.228	3.064,391	27.594,304	9,005	8,535	97						
48	71	80.755	2.806,072	24.529,914	8,742	8,272	98						
49	72	79.121	2.563,459	21.723,842	8,474	8,005	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -24 Jahre

Zinsfuß 7,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	24	99.216	99.215,545	1.414.531,661	14,257	13,787	50	74	75.770	2.288,943	18.197,545	7,950	7,480
1	25	98.736	92.061,596	1.315.316,116	14,287	13,817	51	75	73.679	2.075,300	15.908,601	7,666	7,196
2	26	98.672	85.782,527	1.223.254,520	14,260	13,790	52	76	71.397	1.875,076	13.833,302	7,377	6,908
3	27	98.624	79.945,217	1.137.471,994	14,228	13,758	53	77	68.923	1.687,755	11.958,226	7,085	6,615
4	28	98.578	74.505,677	1.057.526,777	14,194	13,724	54	78	66.262	1.512,899	10.270,471	6,789	6,319
5	29	98.535	69.439,230	983.021,100	14,157	13,687	55	79	63.373	1.349,125	8.757,572	6,491	6,021
6	30	98.493	64.717,387	913.581,870	14,116	13,647	56	80	60.253	1.195,989	7.408,447	6,194	5,725
7	31	98.449	60.315,765	848.864,483	14,074	13,604	57	81	56.869	1.052,510	6.212,458	5,903	5,433
8	32	98.402	56.211,444	788.548,718	14,028	13,558	58	82	53.234	918,638	5.159,948	5,617	5,147
9	33	98.355	52.386,737	732.337,274	13,979	13,510	59	83	49.319	793,551	4.241,309	5,345	4,875
10	34	98.307	48.821,356	679.950,536	13,927	13,457	60	84	45.304	679,667	3.447,758	5,073	4,603
11	35	98.251	45.495,461	631.129,180	13,872	13,402	61	85	41.194	576,234	2.768,091	4,804	4,334
12	36	98.187	42.392,168	585.633,719	13,815	13,345	62	86	37.166	484,739	2.191,857	4,522	4,052
13	37	98.118	39.498,987	543.241,551	13,753	13,283	63	87	32.969	400,932	1.707,118	4,258	3,788
14	38	98.046	36.801,536	503.742,564	13,688	13,218	64	88	28.662	324,998	1.306,186	4,019	3,549
15	39	97.959	34.283,458	466.941,028	13,620	13,150	65	89	24.499	259,018	981,188	3,788	3,318
16	40	97.857	31.932,812	432.657,570	13,549	13,079	66	90	20.503	202,109	722,170	3,573	3,103
17	41	97.735	29.736,887	400.724,758	13,476	13,006	67	91	16.823	154,626	520,061	3,363	2,893
18	42	97.589	27.685,254	370.987,871	13,400	12,930	68	92	13.378	114,646	365,435	3,188	2,718
19	43	97.405	25.765,167	343.302,617	13,324	12,854	69	93	10.379	82,933	250,789	3,024	2,554
20	44	97.200	23.972,959	317.537,450	13,246	12,776	70	94	7.846	58,461	167,857	2,871	2,401
21	45	96.991	22.304,325	293.564,490	13,162	12,692	71	95	5.769	40,079	109,396	2,730	2,260
22	46	96.761	20.747,309	271.260,166	13,074	12,605	72	96	4.119	26,682	69,317	2,598	2,128
23	47	96.515	19.295,508	250.512,857	12,983	12,513	73	97	2.850	17,214	42,634	2,477	2,007
24	48	96.256	17.942,854	231.217,348	12,886	12,416	74	98	1.909	10,749	25,421	2,365	1,895
25	49	95.982	16.682,355	213.274,494	12,784	12,315	75	99	1.236	6,488	14,671	2,261	1,791
26	50	95.681	15.505,857	196.592,139	12,679	12,209	76	100	772	3,780	8,183	2,165	1,695
27	51	95.371	14.410,833	181.086,283	12,566	12,096	77	101	465	2,123	4,404	2,075	1,605
28	52	95.038	13.389,774	166.675,450	12,448	11,978	78	102	269	1,146	2,281	1,990	1,520
29	53	94.681	12.437,746	153.285,675	12,324	11,854	79	103	150	0,594	1,135	1,912	1,442
30	54	94.316	11.552,217	140.847,930	12,192	11,722	80	104	80	0,295	0,541	1,838	1,368
31	55	93.919	10.725,991	129.295,713	12,054	11,585	81	105	40	0,140	0,247	1,769	1,299
32	56	93.490	9.955,184	118.569,722	11,910	11,440	82	106					
33	57	93.038	9.237,384	108.614,538	11,758	11,288	83	107					
34	58	92.541	8.566,983	99.377,154	11,600	11,130	84	108					
35	59	92.008	7.941,804	90.810,171	11,434	10,965	85	109					
36	60	91.444	7.359,591	82.868,367	11,260	10,790	86	110					
37	61	90.838	6.816,615	75.508,777	11,077	10,607	87	111					
38	62	90.218	6.312,416	68.692,162	10,882	10,412	88	112					
39	63	89.527	5.840,605	62.379,746	10,680	10,210	89						
40	64	88.781	5.400,408	56.539,140	10,469	10,000	90						
41	65	87.980	4.989,915	51.138,732	10,248	9,779	91						
42	66	87.095	4.605,835	46.148,818	10,020	9,550	92						
43	67	86.116	4.246,206	41.542,983	9,784	9,314	93						
44	68	85.030	3.909,220	37.296,777	9,541	9,071	94						
45	69	83.832	3.593,604	33.387,557	9,291	8,821	95						
46	70	82.508	3.297,752	29.793,953	9,035	8,565	96						
47	71	81.059	3.020,835	26.496,201	8,771	8,301	97						
48	72	79.446	2.760,580	23.475,366	8,504	8,034	98						
49	73	77.695	2.517,242	20.714,787	8,229	7,759	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -25 Jahre

Zinsfuß 7,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	25	99.189	99.188,590	1.411.810,587	14,234	13,764	50	75	74.046	2.236,843	17.203,991	7,691	7,221
1	26	98.712	92.038,943	1.312.621,997	14,262	13,792	51	76	71.769	2.021,492	14.967,148	7,404	6,934
2	27	98.644	85.758,511	1.220.583,054	14,233	13,763	52	77	69.330	1.820,796	12.945,656	7,110	6,640
3	28	98.596	79.921,918	1.134.824,543	14,199	13,729	53	78	66.681	1.632,848	11.124,860	6,813	6,343
4	29	98.548	74.483,562	1.054.902,625	14,163	13,693	54	79	63.806	1.456,828	9.492,012	6,516	6,046
5	30	98.506	69.418,904	980.419,063	14,123	13,653	55	80	60.707	1.292,372	8.035,184	6,217	5,747
6	31	98.461	64.696,198	911.000,158	14,081	13,611	56	81	57.317	1.137,727	6.742,812	5,927	5,457
7	32	98.414	60.294,219	846.303,961	14,036	13,566	57	82	53.699	993,839	5.605,085	5,640	5,170
8	33	98.367	56.191,457	786.009,741	13,988	13,518	58	83	49.794	859,272	4.611,245	5,366	4,897
9	34	98.316	52.365,805	729.818,284	13,937	13,467	59	84	45.785	736,687	3.751,973	5,093	4,623
10	35	98.261	48.798,468	677.452,480	13,883	13,413	60	85	41.663	625,048	3.015,286	4,824	4,354
11	36	98.201	45.472,169	628.654,012	13,825	13,355	61	86	37.617	526,203	2.390,238	4,542	4,073
12	37	98.131	42.368,197	583.181,843	13,765	13,295	62	87	33.419	435,870	1.864,035	4,277	3,807
13	38	98.058	39.474,766	540.813,646	13,700	13,230	63	88	29.082	353,671	1.428,165	4,038	3,568
14	39	97.977	36.775,793	501.338,880	13,632	13,162	64	89	24.892	282,252	1.074,494	3,807	3,337
15	40	97.881	34.256,022	464.563,087	13,562	13,092	65	90	20.868	220,625	792,242	3,591	3,121
16	41	97.772	31.905,031	430.307,065	13,487	13,017	66	91	17.151	169,072	571,617	3,381	2,911
17	42	97.638	29.707,493	398.402,034	13,411	12,941	67	92	13.670	125,649	402,545	3,204	2,734
18	43	97.479	27.654,117	368.694,541	13,332	12,862	68	93	10.630	91,099	276,896	3,040	2,570
19	44	97.279	25.731,723	341.040,424	13,254	12,784	69	94	8.054	64,356	185,797	2,887	2,417
20	45	97.065	23.939,589	315.308,701	13,171	12,701	70	95	5.939	44,247	121,441	2,745	2,275
21	46	96.837	22.268,950	291.369,112	13,084	12,614	71	96	4.253	29,547	77,194	2,613	2,143
22	47	96.588	20.710,047	269.100,162	12,994	12,524	72	97	2.954	19,136	47,647	2,490	2,020
23	48	96.327	19.257,985	248.390,115	12,898	12,428	73	98	1.986	11,994	28,511	2,377	1,907
24	49	96.052	17.904,817	229.132,129	12,797	12,327	74	99	1.290	7,267	16,518	2,273	1,803
25	50	95.751	16.642,205	211.227,313	12,692	12,222	75	100	809	4,250	9,251	2,177	1,707
26	51	95.439	15.466,679	194.585,108	12,581	12,111	76	101	489	2,396	5,001	2,087	1,617
27	52	95.106	14.370,810	179.118,429	12,464	11,994	77	102	285	1,301	2,605	2,003	1,533
28	53	94.751	13.349,294	164.747,618	12,341	11,871	78	103	159	0,678	1,304	1,924	1,454
29	54	94.382	12.398,473	151.398,324	12,211	11,741	79	104	85	0,338	0,626	1,851	1,381
30	55	93.988	11.512,035	138.999,851	12,074	11,604	80	105	44	0,162	0,288	1,781	1,312
31	56	93.563	10.685,373	127.487,815	11,931	11,461	81	106					
32	57	93.114	9.915,217	116.802,442	11,780	11,310	82	107					
33	58	92.623	9.196,156	106.887,225	11,623	11,153	83	108					
34	59	92.096	8.525,728	97.691,069	11,458	10,988	84	109					
35	60	91.540	7.901,430	89.165,342	11,285	10,815	85	110					
36	61	90.941	7.319,081	81.263,912	11,103	10,633	86	111					
37	62	90.327	6.778,255	73.944,830	10,909	10,439	87	112					
38	63	89.650	6.272,693	67.166,575	10,708	10,238	88						
39	64	88.918	5.800,878	60.893,882	10,497	10,027	89						
40	65	88.131	5.360,916	55.093,004	10,277	9,807	90						
41	66	87.261	4.949,160	49.732,088	10,049	9,579	91						
42	67	86.307	4.564,122	44.782,928	9,812	9,342	92						
43	68	85.241	4.203,043	40.218,806	9,569	9,099	93						
44	69	84.057	3.864,508	36.015,763	9,320	8,850	94						
45	70	82.762	3.547,756	32.151,255	9,062	8,593	95						
46	71	81.335	3.250,880	28.603,499	8,799	8,329	96						
47	72	79.745	2.971,860	25.352,619	8,531	8,061	97						
48	73	78.013	2.710,809	22.380,759	8,256	7,786	98						
49	74	76.112	2.465,960	19.669,951	7,977	7,507	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 1 Jahr

Zinsfuß 7,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	49	91.859	2.774,959	31.910,438	11,499	11,030
1	0	99.544	92.814,704	1.347.325,441	14,516	14,046	51	50	91.184	2.568,357	29.135,479	11,344	10,874
2	1	99.126	86.177,099	1.254.510,738	14,557	14,087	52	51	90.482	2.376,313	26.567,121	11,180	10,710
3	2	99.070	80.306,658	1.168.333,639	14,548	14,079	53	52	89.702	2.196,564	24.190,809	11,013	10,543
4	3	99.033	74.849,542	1.088.026,981	14,536	14,066	54	53	88.868	2.029,052	21.994,244	10,840	10,370
5	4	99.002	69.768,446	1.013.177,439	14,522	14,052	55	54	87.986	1.873,111	19.965,192	10,659	10,189
6	5	98.976	65.034,855	943.408,993	14,506	14,036	56	55	87.024	1.727,388	18.092,081	10,474	10,004
7	6	98.952	60.623,566	878.374,137	14,489	14,019	57	56	86.015	1.591,954	16.364,693	10,280	9,810
8	7	98.930	56.513,282	817.750,571	14,470	14,000	58	57	84.929	1.465,588	14.772,740	10,080	9,610
9	8	98.910	52.682,183	761.237,289	14,450	13,980	59	58	83.744	1.347,452	13.307,152	9,876	9,406
10	9	98.891	49.111,605	708.555,105	14,427	13,958	60	59	82.465	1.237,173	11.959,700	9,667	9,197
11	10	98.875	45.784,445	659.443,500	14,403	13,933	61	60	81.122	1.134,756	10.722,528	9,449	8,979
12	11	98.853	42.679,702	613.659,055	14,378	13,908	62	61	79.706	1.039,585	9.587,772	9,223	8,753
13	12	98.831	39.785,666	570.979,353	14,351	13,881	63	62	78.190	950,872	8.548,187	8,990	8,520
14	13	98.809	37.088,232	531.193,687	14,322	13,853	64	63	76.575	868,284	7.597,315	8,750	8,280
15	14	98.782	34.571,372	494.105,455	14,292	13,822	65	64	74.854	791,392	6.729,031	8,503	8,033
16	15	98.747	32.223,021	459.534,082	14,261	13,791	66	65	73.005	719,670	5.937,639	8,251	7,781
17	16	98.691	30.027,901	427.311,061	14,230	13,761	67	66	71.024	652,806	5.217,969	7,993	7,523
18	17	98.620	27.977,926	397.283,160	14,200	13,730	68	67	68.873	590,244	4.565,163	7,734	7,264
19	18	98.524	26.061,122	369.305,234	14,171	13,701	69	68	66.561	531,872	3.974,919	7,473	7,004
20	19	98.416	24.272,861	343.244,112	14,141	13,671	70	69	64.105	477,621	3.443,047	7,209	6,739
21	20	98.314	22.608,563	318.971,251	14,108	13,639	71	70	61.483	427,115	2.965,425	6,943	6,473
22	21	98.206	21.057,063	296.362,688	14,074	13,604	72	71	58.700	380,219	2.538,310	6,676	6,206
23	22	98.108	19.614,022	275.305,625	14,036	13,566	73	72	55.716	336,491	2.158,091	6,414	5,944
24	23	98.009	18.269,630	255.691,603	13,995	13,526	74	73	52.589	296,139	1.821,600	6,151	5,681
25	24	97.912	17.017,818	237.421,973	13,951	13,481	75	74	49.330	259,011	1.525,462	5,890	5,420
26	25	97.814	15.851,516	220.404,155	13,904	13,434	76	75	45.979	225,093	1.266,451	5,626	5,156
27	26	97.720	14.765,764	204.552,639	13,853	13,383	77	76	42.552	194,237	1.041,358	5,361	4,891
28	27	97.623	13.753,914	189.786,876	13,799	13,329	78	77	39.059	166,238	847,121	5,096	4,626
29	28	97.522	12.811,002	176.032,962	13,741	13,271	79	78	35.494	140,855	680,883	4,834	4,364
30	29	97.425	11.933,045	163.221,960	13,678	13,208	80	79	31.903	118,044	540,028	4,575	4,105
31	30	97.325	11.115,000	151.288,915	13,611	13,141	81	80	28.289	97,599	421,984	4,324	3,854
32	31	97.217	10.352,062	140.173,915	13,541	13,071	82	81	24.702	79,460	324,385	4,082	3,612
33	32	97.102	9.640,919	129.821,853	13,466	12,996	83	82	21.136	63,392	244,925	3,864	3,394
34	33	96.983	8.978,123	120.180,934	13,386	12,916	84	83	17.755	49,654	181,533	3,656	3,186
35	34	96.851	8.359,873	111.202,811	13,302	12,832	85	84	14.665	38,241	131,879	3,449	2,979
36	35	96.705	7.782,946	102.842,938	13,214	12,744	86	85	11.920	28,980	93,638	3,231	2,761
37	36	96.546	7.244,923	95.059,992	13,121	12,651	87	86	9.443	21,406	64,658	3,021	2,551
38	37	96.375	6.743,197	87.815,068	13,023	12,553	88	87	7.216	15,252	43,252	2,836	2,366
39	38	96.183	6.274,849	81.071,871	12,920	12,450	89	88	5.312	10,468	28,001	2,675	2,205
40	39	95.968	5.837,571	74.797,022	12,813	12,343	90	89	3.784	6,953	17,532	2,522	2,052
41	40	95.726	5.429,235	68.959,451	12,702	12,232	91	90	2.598	4,451	10,579	2,377	1,907
42	41	95.461	5.048,211	63.530,216	12,585	12,115	92	91	1.711	2,733	6,129	2,243	1,773
43	42	95.156	4.691,933	58.482,004	12,464	11,994	93	92	1.071	1,595	3,396	2,130	1,660
44	43	94.814	4.359,025	53.790,071	12,340	11,870	94	93	640	0,889	1,801	2,026	1,557
45	44	94.436	4.048,193	49.431,046	12,211	11,741	95	94	365	0,472	0,912	1,932	1,462
46	45	94.015	3.757,687	45.382,853	12,077	11,607	96	95	197	0,238	0,440	1,847	1,377
47	46	93.547	3.486,240	41.625,166	11,940	11,470	97	96	101	0,114	0,202	1,769	1,299
48	47	93.029	3.232,574	38.138,926	11,798	11,328	98	97	49	0,052	0,088	1,697	1,227
49	48	92.469	2.995,913	34.906,351	11,651	11,181	99	98	23	0,022	0,036	1,632	1,163
							100	99	10	0,009	0,014	1,573	1,104

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 2 Jahre

Zinsfuß 7,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	48	92.054	2.780,855	32.113,104	11,548	11,078
1							51	49	91.404	2.574,553	29.332,249	11,393	10,923
2	0	99.504	86.505,555	1.255.300,699	14,511	14,041	52	50	90.711	2.382,332	26.757,696	11,232	10,762
3	1	99.106	80.335,430	1.168.795,144	14,549	14,079	53	51	89.952	2.202,682	24.375,364	11,066	10,596
4	2	99.052	74.864,344	1.088.459,715	14,539	14,069	54	52	89.138	2.035,205	22.172,682	10,895	10,425
5	3	99.019	69.780,424	1.013.595,371	14,525	14,056	55	53	88.265	1.879,044	20.137,477	10,717	10,247
6	4	98.989	65.043,256	943.814,947	14,511	14,041	56	54	87.328	1.733,417	18.258,433	10,533	10,063
7	5	98.964	60.631,492	878.771,691	14,494	14,024	57	55	86.342	1.598,005	16.525,016	10,341	9,871
8	6	98.939	56.518,490	818.140,199	14,476	14,006	58	56	85.271	1.471,495	14.927,011	10,144	9,674
9	7	98.918	52.686,772	761.621,709	14,456	13,986	59	57	84.119	1.353,492	13.455,516	9,941	9,471
10	8	98.901	49.116,320	708.934,937	14,434	13,964	60	58	82.864	1.243,159	12.102,023	9,735	9,265
11	9	98.882	45.787,404	659.818,617	14,410	13,941	61	59	81.536	1.140,554	10.858,864	9,521	9,051
12	10	98.861	42.683,292	614.031,214	14,386	13,916	62	60	80.147	1.045,339	9.718,310	9,297	8,827
13	11	98.840	39.789,398	571.347,922	14,359	13,889	63	61	78.633	956,254	8.672,971	9,070	8,600
14	12	98.818	37.091,382	531.558,524	14,331	13,861	64	62	77.060	873,782	7.716,718	8,831	8,361
15	13	98.791	34.574,722	494.467,142	14,301	13,832	65	63	75.367	796,812	6.842,936	8,588	8,118
16	14	98.758	32.226,776	459.892,420	14,271	13,801	66	64	73.543	724,972	6.046,124	8,340	7,870
17	15	98.709	30.033,267	427.665,643	14,240	13,770	67	65	71.609	658,181	5.321,152	8,085	7,615
18	16	98.641	27.983,852	397.632,376	14,209	13,739	68	66	69.502	595,639	4.662,971	7,829	7,359
19	17	98.546	26.066,857	369.648,524	14,181	13,711	69	67	67.245	537,334	4.067,332	7,569	7,100
20	18	98.445	24.279,844	343.581,667	14,151	13,681	70	68	64.847	483,147	3.529,998	7,306	6,836
21	19	98.341	22.614,832	319.301,823	14,119	13,649	71	69	62.277	432,635	3.046,850	7,043	6,573
22	20	98.237	21.063,716	296.686,992	14,085	13,615	72	70	59.547	385,701	2.614,216	6,778	6,308
23	21	98.132	19.618,822	275.623,275	14,049	13,579	73	71	56.634	342,036	2.228,514	6,515	6,046
24	22	98.035	18.274,577	256.004,453	14,009	13,539	74	72	53.555	301,576	1.886,478	6,255	5,786
25	23	97.938	17.022,260	237.729,876	13,966	13,496	75	73	50.356	264,397	1.584,902	5,994	5,525
26	24	97.840	15.855,823	220.707,616	13,920	13,450	76	74	47.050	230,336	1.320,505	5,733	5,263
27	25	97.744	14.769,398	204.851,793	13,870	13,400	77	75	43.685	199,407	1.090,169	5,467	4,997
28	26	97.650	13.757,766	190.082,395	13,816	13,346	78	76	40.223	171,194	890,762	5,203	4,733
29	27	97.551	12.814,736	176.324,629	13,760	13,290	79	77	36.688	145,591	719,568	4,942	4,472
30	28	97.454	11.936,588	163.509,893	13,698	13,228	80	78	33.131	122,587	573,977	4,682	4,212
31	29	97.354	11.118,254	151.573,304	13,633	13,163	81	79	29.532	101,885	451,390	4,430	3,961
32	30	97.248	10.355,452	140.455,050	13,563	13,093	82	80	25.967	83,529	349,505	4,184	3,714
33	31	97.137	9.644,364	130.099,598	13,490	13,020	83	81	22.383	67,135	265,976	3,962	3,492
34	32	97.017	8.981,317	120.455,234	13,412	12,942	84	82	18.982	53,084	198,841	3,746	3,276
35	33	96.890	8.363,215	111.473,917	13,329	12,859	85	83	15.797	41,192	145,757	3,538	3,069
36	34	96.750	7.786,597	103.110,702	13,242	12,772	86	84	12.961	31,512	104,564	3,318	2,848
37	35	96.595	7.248,634	95.324,106	13,151	12,681	87	85	10.341	23,441	73,052	3,116	2,646
38	36	96.429	6.747,012	88.075,471	13,054	12,584	88	86	8.025	16,962	49,611	2,925	2,455
39	37	96.242	6.278,699	81.328,459	12,953	12,483	89	87	6.022	11,867	32,649	2,751	2,281
40	38	96.035	5.841,658	75.049,760	12,847	12,377	90	88	4.357	8,006	20,782	2,596	2,126
41	39	95.802	5.433,583	69.208,102	12,737	12,267	91	89	3.050	5,225	12,776	2,445	1,975
42	40	95.544	5.052,607	63.774,519	12,622	12,152	92	90	2.045	3,267	7,551	2,311	1,841
43	41	95.250	4.696,576	58.721,912	12,503	12,033	93	91	1.317	1,962	4,284	2,183	1,713
44	42	94.920	4.363,933	54.025,336	12,380	11,910	94	92	805	1,119	2,322	2,075	1,605
45	43	94.559	4.053,455	49.661,403	12,252	11,782	95	93	470	0,608	1,203	1,977	1,507
46	44	94.146	3.762,925	45.607,948	12,120	11,650	96	94	261	0,315	0,595	1,888	1,418
47	45	93.696	3.491,778	41.845,024	11,984	11,514	97	95	137	0,155	0,280	1,806	1,336
48	46	93.197	3.238,391	38.353,245	11,843	11,373	98	96	69	0,072	0,125	1,731	1,262
49	47	92.649	3.001,751	35.114,855	11,698	11,228	99	97	32	0,032	0,053	1,664	1,194
							100	98	14	0,013	0,021	1,602	1,132

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 3 Jahre

Zinsfuß 7,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	47	92.234	2.786,273	32.300,158	11,593	11,123
1							51	48	91.598	2.580,023	29.513,885	11,439	10,969
2							52	49	90.930	2.388,079	26.933,862	11,278	10,809
3	0	99.484	80.641,621	1.169.524,074	14,503	14,033	53	50	90.179	2.208,261	24.545,783	11,115	10,646
4	1	99.088	74.891,165	1.088.882,453	14,540	14,070	54	51	89.386	2.040,873	22.337,522	10,945	10,475
5	2	99.039	69.794,223	1.013.991,288	14,528	14,058	55	52	88.533	1.884,742	20.296,649	10,769	10,299
6	3	99.006	65.054,422	944.197,065	14,514	14,044	56	53	87.604	1.738,908	18.411,906	10,588	10,118
7	4	98.977	60.639,324	879.142,643	14,498	14,028	57	54	86.644	1.603,583	16.672,998	10,397	9,927
8	5	98.952	56.525,879	818.503,318	14,480	14,010	58	55	85.595	1.477,089	15.069,416	10,202	9,732
9	6	98.928	52.691,627	761.977,439	14,461	13,991	59	56	84.459	1.358,948	13.592,327	10,002	9,532
10	7	98.909	49.120,598	709.285,812	14,440	13,970	60	57	83.235	1.248,732	12.233,379	9,797	9,327
11	8	98.891	45.791,799	660.165,214	14,417	13,947	61	58	81.931	1.146,073	10.984,647	9,585	9,115
12	9	98.868	42.686,050	614.373,415	14,393	13,923	62	59	80.557	1.050,680	9.838,574	9,364	8,894
13	10	98.848	39.792,744	571.687,365	14,367	13,897	63	60	79.068	961,546	8.787,893	9,139	8,669
14	11	98.827	37.094,861	531.894,621	14,339	13,869	64	61	77.496	878,727	7.826,347	8,906	8,437
15	12	98.800	34.577,659	494.799,760	14,310	13,840	65	62	75.844	801,858	6.947,620	8,664	8,195
16	13	98.768	32.229,899	460.222,101	14,279	13,809	66	63	74.047	729,937	6.145,762	8,420	7,950
17	14	98.720	30.036,767	427.992,202	14,249	13,779	67	64	72.136	663,030	5.415,826	8,168	7,698
18	15	98.659	27.988,853	397.955,435	14,218	13,748	68	65	70.075	600,544	4.752,796	7,914	7,444
19	16	98.567	26.072,379	369.966,582	14,190	13,720	69	66	67.859	542,245	4.152,252	7,658	7,188
20	17	98.466	24.285,187	343.894,203	14,161	13,691	70	67	65.513	488,109	3.610,007	7,396	6,926
21	18	98.370	22.621,338	319.609,017	14,129	13,659	71	68	62.998	437,640	3.121,898	7,133	6,664
22	19	98.264	21.069,557	296.987,679	14,096	13,626	72	69	60.316	390,686	2.684,258	6,871	6,401
23	20	98.163	19.625,021	275.918,122	14,060	13,590	73	70	57.450	346,968	2.293,572	6,610	6,140
24	21	98.059	18.279,050	256.293,101	14,021	13,551	74	71	54.437	306,546	1.946,604	6,350	5,880
25	22	97.964	17.026,870	238.014,052	13,979	13,509	75	72	51.281	269,252	1.640,058	6,091	5,621
26	23	97.866	15.859,961	220.987,182	13,934	13,464	76	73	48.028	235,126	1.370,807	5,830	5,360
27	24	97.771	14.773,411	205.127,221	13,885	13,415	77	74	44.703	204,052	1.135,681	5,566	5,096
28	25	97.674	13.761,152	190.353,809	13,833	13,363	78	75	41.294	175,750	931,629	5,301	4,831
29	26	97.578	12.818,325	176.592,657	13,777	13,307	79	76	37.782	149,932	755,879	5,041	4,572
30	27	97.482	11.940,068	163.774,333	13,716	13,246	80	77	34.245	126,710	605,947	4,782	4,312
31	28	97.383	11.121,555	151.834,264	13,652	13,182	81	78	30.668	105,806	479,238	4,529	4,060
32	29	97.277	10.358,484	140.712,709	13,584	13,114	82	79	27.107	87,198	373,432	4,283	3,813
33	30	97.169	9.647,523	130.354,225	13,512	13,042	83	80	23.529	70,573	286,234	4,056	3,586
34	31	97.052	8.984,526	120.706,702	13,435	12,965	84	81	20.102	56,218	215,662	3,836	3,366
35	32	96.924	8.366,190	111.722,176	13,354	12,884	85	82	16.889	44,038	159,443	3,621	3,151
36	33	96.789	7.789,709	103.355,986	13,268	12,798	86	83	13.962	33,945	115,405	3,400	2,930
37	34	96.641	7.252,034	95.566,277	13,178	12,708	87	84	11.244	25,490	81,461	3,196	2,726
38	35	96.479	6.750,468	88.314,243	13,083	12,613	88	85	8.788	18,575	55,971	3,013	2,543
39	36	96.296	6.282,252	81.563,775	12,983	12,513	89	86	6.697	13,198	37,396	2,834	2,364
40	37	96.094	5.845,242	75.281,523	12,879	12,409	90	87	4.939	9,076	24,199	2,666	2,196
41	38	95.869	5.437,387	69.436,281	12,770	12,300	91	88	3.511	6,016	15,123	2,514	2,044
42	39	95.620	5.056,654	63.998,894	12,656	12,186	92	89	2.401	3,836	9,107	2,374	1,904
43	40	95.333	4.700,665	58.942,240	12,539	12,069	93	90	1.575	2,346	5,271	2,247	1,777
44	41	95.014	4.368,251	54.241,575	12,417	11,947	94	91	991	1,377	2,925	2,125	1,655
45	42	94.666	4.058,019	49.873,324	12,290	11,820	95	92	591	0,766	1,549	2,023	1,553
46	43	94.268	3.767,816	45.815,306	12,160	11,690	96	93	336	0,406	0,783	1,929	1,459
47	44	93.826	3.496,646	42.047,490	12,025	11,555	97	94	182	0,205	0,377	1,844	1,374
48	45	93.345	3.243,535	38.550,844	11,885	11,416	98	95	93	0,098	0,173	1,766	1,296
49	46	92.816	3.007,151	35.307,310	11,741	11,271	99	96	45	0,044	0,075	1,696	1,226
							100	97	21	0,019	0,031	1,631	1,161

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 4 Jahre

Zinsfuß 7,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	46	92.399	2.791,286	32.472,715	11,634	11,164
1							51	47	91.776	2.585,050	29.681,429	11,482	11,012
2							52	48	91.123	2.393,153	27.096,379	11,322	10,853
3							53	49	90.397	2.213,589	24.703,226	11,160	10,690
4	0	99.465	75.176,606	1.089.554,974	14,493	14,023	54	50	89.613	2.046,043	22.489,638	10,992	10,522
5	1	99.074	69.819,228	1.014.378,368	14,529	14,059	55	51	88.779	1.889,991	20.443,595	10,817	10,347
6	2	99.025	65.067,287	944.559,140	14,517	14,047	56	52	87.870	1.744,181	18.553,604	10,637	10,168
7	3	98.994	60.649,734	879.491,853	14,501	14,031	57	53	86.918	1.608,662	16.809,423	10,449	9,979
8	4	98.965	56.533,181	818.842,119	14,484	14,014	58	54	85.894	1.482,244	15.200,761	10,255	9,785
9	5	98.940	52.698,516	762.308,938	14,465	13,996	59	55	84.780	1.364,114	13.718,517	10,057	9,587
10	6	98.918	49.125,124	709.610,422	14,445	13,975	60	56	83.571	1.253,766	12.354,403	9,854	9,384
11	7	98.900	45.795,788	660.485,297	14,422	13,953	61	57	82.298	1.151,211	11.100,637	9,643	9,173
12	8	98.877	42.690,148	614.689,510	14,399	13,929	62	58	80.947	1.055,764	9.949,426	9,424	8,954
13	9	98.855	39.795,315	571.999,362	14,374	13,904	63	59	79.472	966,459	8.893,662	9,202	8,732
14	10	98.835	37.097,981	532.204,047	14,346	13,876	64	60	77.925	883,591	7.927,202	8,972	8,502
15	11	98.809	34.580,902	495.106,066	14,317	13,847	65	61	76.273	806,396	7.043,612	8,735	8,265
16	12	98.776	32.232,636	460.525,164	14,288	13,818	66	62	74.516	734,559	6.237,216	8,491	8,021
17	13	98.730	30.039,678	428.292,528	14,258	13,788	67	63	72.630	667,571	5.502,657	8,243	7,773
18	14	98.670	27.992,115	398.252,850	14,227	13,757	68	64	70.591	604,968	4.835,086	7,992	7,522
19	15	98.584	26.077,038	370.260,735	14,199	13,729	69	65	68.418	546,710	4.230,118	7,737	7,268
20	16	98.487	24.290,331	344.183,697	14,170	13,700	70	66	66.112	492,570	3.683,408	7,478	7,008
21	17	98.391	22.626,316	319.893,366	14,138	13,668	71	67	63.645	442,134	3.190,838	7,217	6,747
22	18	98.293	21.075,618	297.267,051	14,105	13,635	72	68	61.014	395,206	2.748,704	6,955	6,485
23	19	98.190	19.630,463	276.191,433	14,070	13,600	73	69	58.193	351,451	2.353,497	6,697	6,227
24	20	98.090	18.284,825	256.560,970	14,031	13,561	74	70	55.222	310,966	2.002,046	6,438	5,968
25	21	97.988	17.031,037	238.276,145	13,991	13,521	75	71	52.126	273,689	1.691,080	6,179	5,709
26	22	97.893	15.864,256	221.245,108	13,946	13,476	76	72	48.910	239,443	1.417,392	5,920	5,450
27	23	97.796	14.777,267	205.380,852	13,898	13,429	77	73	45.632	208,295	1.177,949	5,655	5,185
28	24	97.701	13.764,892	190.603,585	13,847	13,377	78	74	42.256	179,844	969,654	5,392	4,922
29	25	97.602	12.821,480	176.838,693	13,792	13,322	79	75	38.787	153,922	789,810	5,131	4,661
30	26	97.510	11.943,412	164.017,214	13,733	13,263	80	76	35.266	130,487	635,887	4,873	4,403
31	27	97.411	11.124,797	152.073,802	13,670	13,200	81	77	31.700	109,364	505,400	4,621	4,151
32	28	97.306	10.361,560	140.949,005	13,603	13,133	82	78	28.150	90,554	396,036	4,374	3,904
33	29	97.197	9.650,348	130.587,445	13,532	13,062	83	79	24.563	73,672	305,483	4,147	3,677
34	30	97.084	8.987,469	120.937,097	13,456	12,986	84	80	21.132	59,097	231,811	3,923	3,453
35	31	96.959	8.369,179	111.949,628	13,376	12,907	85	81	17.886	46,638	172,714	3,703	3,233
36	32	96.823	7.792,480	103.580,449	13,292	12,822	86	82	14.926	36,290	126,076	3,474	3,004
37	33	96.679	7.254,933	95.787,969	13,203	12,733	87	83	12.112	27,457	89,786	3,270	2,800
38	34	96.524	6.753,634	88.533,036	13,109	12,639	88	84	9.556	20,198	62,329	3,086	2,616
39	35	96.346	6.285,470	81.779,402	13,011	12,541	89	85	7.333	14,453	42,131	2,915	2,445
40	36	96.148	5.848,549	75.493,932	12,908	12,438	90	86	5.493	10,093	27,679	2,742	2,272
41	37	95.928	5.440,723	69.645,383	12,801	12,331	91	87	3.981	6,820	17,586	2,578	2,109
42	38	95.687	5.060,193	64.204,660	12,688	12,218	92	88	2.765	4,416	10,765	2,438	1,968
43	39	95.409	4.704,430	59.144,466	12,572	12,102	93	89	1.849	2,754	6,349	2,305	1,835
44	40	95.097	4.372,055	54.440,036	12,452	11,982	94	90	1.185	1,646	3,595	2,185	1,715
45	41	94.759	4.062,034	50.067,982	12,326	11,856	95	91	728	0,942	1,949	2,069	1,599
46	42	94.374	3.772,058	46.005,948	12,197	11,727	96	92	423	0,511	1,007	1,971	1,502
47	43	93.948	3.501,190	42.233,890	12,063	11,593	97	93	234	0,264	0,496	1,883	1,413
48	44	93.475	3.248,056	38.732,700	11,925	11,455	98	94	123	0,129	0,233	1,802	1,332
49	45	92.963	3.011,928	35.484,644	11,781	11,311	99	95	61	0,060	0,104	1,728	1,258
							100	96	29	0,026	0,044	1,661	1,191

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 5 Jahre

Zinsfuß 7,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	45	92.546	2.795,720	32.631,632	11,672	11,202
1							51	46	91.942	2.589,701	29.835,912	11,521	11,051
2							52	47	91.301	2.397,816	27.246,211	11,363	10,893
3							53	48	90.589	2.218,291	24.848,396	11,202	10,732
4							54	49	89.829	2.050,979	22.630,104	11,034	10,564
5	0	99.452	70.085,338	1.014.998,788	14,482	14,012	55	50	89.004	1.894,779	20.579,126	10,861	10,391
6	1	99.061	65.090,599	944.913,450	14,517	14,047	56	51	88.115	1.749,038	18.684,347	10,683	10,213
7	2	99.014	60.661,728	879.822,851	14,504	14,034	57	52	87.182	1.613,540	16.935,309	10,496	10,026
8	3	98.982	56.542,886	819.161,123	14,487	14,018	58	53	86.166	1.486,939	15.321,768	10,304	9,834
9	4	98.953	52.705,323	762.618,237	14,469	14,000	59	54	85.076	1.368,875	13.834,829	10,107	9,637
10	5	98.931	49.131,547	709.912,914	14,449	13,979	60	55	83.888	1.258,532	12.465,954	9,905	9,435
11	6	98.909	45.800,008	660.781,367	14,428	13,958	61	56	82.630	1.155,851	11.207,422	9,696	9,226
12	7	98.886	42.693,866	614.981,359	14,404	13,935	62	57	81.310	1.060,497	10.051,571	9,478	9,008
13	8	98.864	39.799,136	572.287,493	14,379	13,909	63	58	79.856	971,136	8.991,073	9,258	8,788
14	9	98.842	37.100,378	532.488,357	14,353	13,883	64	59	78.323	888,106	8.019,937	9,030	8,560
15	10	98.817	34.583,810	495.387,979	14,324	13,854	65	60	76.695	810,859	7.131,832	8,795	8,326
16	11	98.786	32.235,659	460.804,169	14,295	13,825	66	61	74.938	738,716	6.320,973	8,557	8,087
17	12	98.738	30.042,229	428.568,510	14,266	13,796	67	62	73.090	671,798	5.582,257	8,309	7,840
18	13	98.680	27.994,827	398.526,280	14,236	13,766	68	63	71.074	609,111	4.910,458	8,062	7,592
19	14	98.596	26.080,077	370.531,453	14,207	13,738	69	64	68.922	550,738	4.301,348	7,810	7,340
20	15	98.505	24.294,672	344.451,377	14,178	13,708	70	65	66.656	496,626	3.750,610	7,552	7,082
21	16	98.412	22.631,108	320.156,705	14,147	13,677	71	66	64.226	446,175	3.253,984	7,293	6,823
22	17	98.314	21.080,256	297.525,596	14,114	13,644	72	67	61.641	399,265	2.807,808	7,032	6,563
23	18	98.219	19.636,110	276.445,340	14,078	13,609	73	68	58.866	355,518	2.408,544	6,775	6,305
24	19	98.117	18.289,895	256.809,230	14,041	13,571	74	69	55.936	314,984	2.053,026	6,518	6,048
25	20	98.019	17.036,418	238.519,335	14,001	13,531	75	70	52.878	277,635	1.738,042	6,260	5,790
26	21	97.916	15.868,139	221.482,918	13,958	13,488	76	71	49.716	243,389	1.460,407	6,000	5,530
27	22	97.823	14.781,269	205.614,779	13,910	13,441	77	72	46.470	212,119	1.217,018	5,737	5,268
28	23	97.726	13.768,484	190.833,510	13,860	13,390	78	73	43.134	183,584	1.004,899	5,474	5,004
29	24	97.629	12.824,964	177.065,026	13,806	13,336	79	74	39.691	157,508	821,315	5,214	4,745
30	25	97.534	11.946,351	164.240,062	13,748	13,278	80	75	36.204	133,960	663,807	4,955	4,485
31	26	97.438	11.127,913	152.293,711	13,686	13,216	81	76	32.645	112,624	529,847	4,705	4,235
32	27	97.334	10.364,580	141.165,798	13,620	13,150	82	77	29.097	93,599	417,223	4,458	3,988
33	28	97.226	9.653,213	130.801,218	13,550	13,080	83	78	25.508	76,507	323,624	4,230	3,760
34	29	97.112	8.990,100	121.148,005	13,476	13,006	84	79	22.060	61,692	247,117	4,006	3,536
35	30	96.991	8.371,921	112.157,905	13,397	12,927	85	80	18.802	49,026	185,425	3,782	3,312
36	31	96.858	7.795,265	103.785,984	13,314	12,844	86	81	15.807	38,432	136,399	3,549	3,079
37	32	96.714	7.257,514	95.990,720	13,226	12,756	87	82	12.949	29,354	97,966	3,337	2,867
38	33	96.563	6.756,334	88.733,206	13,133	12,663	88	83	10.293	21,757	68,612	3,154	2,684
39	34	96.391	6.288,418	81.976,872	13,036	12,566	89	84	7.974	15,716	46,855	2,981	2,512
40	35	96.197	5.851,545	75.688,454	12,935	12,465	90	85	6.015	11,053	31,140	2,817	2,347
41	36	95.982	5.443,801	69.836,909	12,829	12,359	91	86	4.427	7,585	20,087	2,648	2,178
42	37	95.746	5.063,298	64.393,108	12,718	12,248	92	87	3.134	5,007	12,502	2,497	2,027
43	38	95.476	4.707,723	59.329,810	12,603	12,133	93	88	2.129	3,171	7,495	2,364	1,894
44	39	95.173	4.375,556	54.622,087	12,483	12,014	94	89	1.391	1,932	4,324	2,238	1,768
45	40	94.842	4.065,571	50.246,531	12,359	11,889	95	90	870	1,126	2,392	2,124	1,654
46	41	94.468	3.775,790	46.180,959	12,231	11,761	96	91	521	0,629	1,266	2,014	1,544
47	42	94.054	3.505,132	42.405,169	12,098	11,628	97	92	295	0,332	0,637	1,922	1,452
48	43	93.596	3.252,278	38.900,037	11,961	11,491	98	93	159	0,166	0,306	1,838	1,368
49	44	93.093	3.016,127	35.647,759	11,819	11,349	99	94	81	0,079	0,139	1,761	1,291
							100	95	39	0,036	0,060	1,691	1,221

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 6 Jahre

Zinsfuß 7,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	44	92.675	2.799,617	32.777,740	11,708	11,238
1							51	45	92.088	2.593,815	29.978,123	11,558	11,088
2							52	46	91.465	2.402,130	27.384,308	11,400	10,930
3							53	47	90.766	2.222,613	24.982,178	11,240	10,770
4							54	48	90.020	2.055,336	22.759,565	11,073	10,604
5							55	49	89.219	1.899,350	20.704,229	10,901	10,431
6	0	99.438	65.338,685	945.485,756	14,471	14,001	56	50	88.338	1.753,469	18.804,879	10,724	10,254
7	1	99.049	60.683,461	880.147,071	14,504	14,034	57	51	87.425	1.618,034	17.051,410	10,538	10,068
8	2	99.002	56.554,068	819.463,609	14,490	14,020	58	52	86.427	1.491,448	15.433,377	10,348	9,878
9	3	98.970	52.714,371	762.909,541	14,473	14,003	59	53	85.345	1.373,211	13.941,928	10,153	9,683
10	4	98.944	49.137,893	710.195,170	14,453	13,983	60	54	84.181	1.262,925	12.568,717	9,952	9,482
11	5	98.922	45.805,996	661.057,277	14,432	13,962	61	55	82.944	1.160,245	11.305,792	9,744	9,274
12	6	98.895	42.697,801	615.251,281	14,409	13,940	62	56	81.637	1.064,772	10.145,547	9,528	9,058
13	7	98.873	39.802,602	572.553,480	14,385	13,915	63	57	80.214	975,490	9.080,775	9,309	8,839
14	8	98.851	37.103,940	532.750,878	14,358	13,888	64	58	78.702	892,403	8.105,285	9,083	8,613
15	9	98.824	34.586,045	495.646,939	14,331	13,861	65	59	77.087	815,002	7.212,882	8,850	8,380
16	10	98.794	32.238,370	461.060,894	14,302	13,832	66	60	75.352	742,805	6.397,880	8,613	8,143
17	11	98.748	30.045,047	428.822,523	14,273	13,803	67	61	73.504	675,600	5.655,076	8,370	7,901
18	12	98.688	27.997,205	398.777,476	14,243	13,774	68	62	71.524	612,968	4.979,475	8,124	7,654
19	13	98.605	26.082,604	370.780,272	14,216	13,746	69	63	69.394	554,510	4.366,507	7,875	7,405
20	14	98.516	24.297,503	344.697,668	14,187	13,717	70	64	67.147	500,285	3.811,998	7,620	7,150
21	15	98.430	22.635,153	320.400,165	14,155	13,685	71	65	64.755	449,849	3.311,713	7,362	6,892
22	16	98.335	21.084,721	297.765,012	14,122	13,652	72	66	62.204	402,914	2.861,864	7,103	6,633
23	17	98.240	19.640,431	276.680,291	14,087	13,617	73	67	59.470	359,169	2.458,950	6,846	6,376
24	18	98.146	18.295,157	257.039,859	14,050	13,580	74	68	56.583	318,629	2.099,782	6,590	6,120
25	19	98.046	17.041,141	238.744,703	14,010	13,540	75	69	53.561	281,223	1.781,153	6,334	5,864
26	20	97.947	15.873,153	221.703,561	13,967	13,497	76	70	50.433	246,898	1.499,930	6,075	5,605
27	21	97.846	14.784,886	205.830,409	13,922	13,452	77	71	47.236	215,615	1.253,032	5,811	5,342
28	22	97.753	13.772,213	191.045,523	13,872	13,402	78	72	43.926	186,955	1.037,417	5,549	5,079
29	23	97.654	12.828,311	177.273,310	13,819	13,349	79	73	40.516	160,783	850,462	5,289	4,820
30	24	97.560	11.949,598	164.444,999	13,762	13,292	80	74	37.048	137,080	689,679	5,031	4,561
31	25	97.462	11.130,652	152.495,401	13,700	13,231	81	75	33.514	115,622	552,599	4,779	4,309
32	26	97.361	10.367,483	141.364,750	13,635	13,165	82	76	29.964	96,389	436,977	4,533	4,064
33	27	97.254	9.656,027	130.997,267	13,566	13,096	83	77	26.366	79,080	340,588	4,307	3,837
34	28	97.141	8.992,769	121.341,240	13,493	13,023	84	78	22.909	64,067	261,508	4,082	3,612
35	29	97.019	8.374,372	112.348,470	13,416	12,946	85	79	19.627	51,179	197,442	3,858	3,388
36	30	96.889	7.797,818	103.974,099	13,334	12,864	86	80	16.617	40,400	146,262	3,620	3,150
37	31	96.748	7.260,107	96.176,281	13,247	12,777	87	81	13.714	31,087	105,862	3,405	2,935
38	32	96.597	6.758,737	88.916,174	13,156	12,686	88	82	11.004	23,260	74,775	3,215	2,745
39	33	96.429	6.290,931	82.157,437	13,060	12,590	89	83	8.590	16,929	51,515	3,043	2,573
40	34	96.242	5.854,290	75.866,505	12,959	12,489	90	84	6.540	12,019	34,587	2,878	2,408
41	35	96.032	5.446,590	70.012,216	12,854	12,384	91	85	4.848	8,306	22,568	2,717	2,247
42	36	95.800	5.066,163	64.565,626	12,744	12,275	92	86	3.485	5,568	14,262	2,561	2,091
43	37	95.535	4.710,612	59.499,463	12,631	12,161	93	87	2.413	3,595	8,694	2,418	1,948
44	38	95.240	4.378,619	54.788,851	12,513	12,043	94	88	1.602	2,225	5,099	2,292	1,822
45	39	94.918	4.068,827	50.410,232	12,389	11,919	95	89	1.021	1,322	2,874	2,174	1,704
46	40	94.550	3.779,078	46.341,405	12,263	11,793	96	90	622	0,751	1,552	2,066	1,596
47	41	94.147	3.508,601	42.562,327	12,131	11,661	97	91	363	0,408	0,801	1,962	1,492
48	42	93.702	3.255,940	39.053,727	11,995	11,525	98	92	199	0,209	0,392	1,874	1,404
49	43	93.214	3.020,047	35.797,787	11,853	11,383	99	93	104	0,102	0,183	1,794	1,325
							100	94	52	0,047	0,081	1,722	1,252

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 7 Jahre

Zinsfuß 7,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	43	92.796	2.803,256	32.912,077	11,741	11,271
1							51	44	92.216	2.597,430	30.108,822	11,592	11,122
2							52	45	91.611	2.405,946	27.511,391	11,435	10,965
3							53	46	90.929	2.226,612	25.105,445	11,275	10,805
4							54	47	90.195	2.059,341	22.878,833	11,110	10,640
5							55	48	89.408	1.903,385	20.819,492	10,938	10,468
6							56	49	88.551	1.757,699	18.916,108	10,762	10,292
7	0	99.427	60.914,751	880.674,970	14,457	13,988	57	50	87.646	1.622,132	17.158,408	10,578	10,108
8	1	99.037	56.574,329	819.760,219	14,490	14,020	58	51	86.668	1.495,602	15.536,276	10,388	9,918
9	2	98.990	52.724,796	763.185,890	14,475	14,005	59	52	85.604	1.377,375	14.040,674	10,194	9,724
10	3	98.961	49.146,329	710.461,094	14,456	13,986	60	53	84.448	1.266,925	12.663,299	9,995	9,525
11	4	98.935	45.811,913	661.314,765	14,435	13,966	61	54	83.234	1.164,295	11.396,374	9,788	9,318
12	5	98.908	42.703,383	615.502,852	14,413	13,944	62	55	81.948	1.068,820	10.232,079	9,573	9,103
13	6	98.882	39.806,270	572.799,470	14,390	13,920	63	56	80.538	979,422	9.163,260	9,356	8,886
14	7	98.860	37.107,171	532.993,200	14,364	13,894	64	57	79.055	896,404	8.183,838	9,130	8,660
15	8	98.833	34.589,365	495.886,028	14,336	13,866	65	58	77.460	818,946	7.287,434	8,899	8,429
16	9	98.800	32.240,454	461.296,663	14,308	13,838	66	59	75.737	746,600	6.468,488	8,664	8,194
17	10	98.756	30.047,574	429.056,209	14,279	13,809	67	60	73.910	679,339	5.721,888	8,423	7,953
18	11	98.698	27.999,831	399.008,636	14,250	13,780	68	61	71.929	616,437	5.042,548	8,180	7,710
19	12	98.614	26.084,819	371.008,805	14,223	13,753	69	62	69.834	558,021	4.426,111	7,932	7,462
20	13	98.526	24.299,857	344.923,986	14,194	13,725	70	63	67.607	503,711	3.868,090	7,679	7,209
21	14	98.441	22.637,791	320.624,128	14,163	13,693	71	64	65.232	453,163	3.364,379	7,424	6,954
22	15	98.353	21.088,489	297.986,338	14,130	13,660	72	65	62.716	406,231	2.911,216	7,166	6,697
23	16	98.261	19.644,591	276.897,849	14,095	13,625	73	66	60.014	362,451	2.504,985	6,911	6,441
24	17	98.167	18.299,183	257.253,257	14,058	13,588	74	67	57.164	321,901	2.142,534	6,656	6,186
25	18	98.075	17.046,044	238.954,074	14,018	13,548	75	68	54.181	284,476	1.820,633	6,400	5,930
26	19	97.975	15.877,554	221.908,031	13,976	13,506	76	69	51.085	250,089	1.536,156	6,142	5,673
27	20	97.877	14.789,558	206.030,477	13,931	13,461	77	70	47.917	218,724	1.286,068	5,880	5,410
28	21	97.776	13.775,583	191.240,919	13,883	13,413	78	71	44.650	190,036	1.067,344	5,617	5,147
29	22	97.681	12.831,785	177.465,336	13,830	13,360	79	72	41.260	163,735	877,308	5,358	4,888
30	23	97.586	11.952,716	164.633,551	13,774	13,304	80	73	37.818	139,931	713,573	5,099	4,630
31	24	97.489	11.133,676	152.680,835	13,713	13,244	81	74	34.294	118,315	573,642	4,848	4,379
32	25	97.385	10.370,034	141.547,158	13,650	13,180	82	75	30.762	98,955	455,327	4,601	4,131
33	26	97.282	9.658,731	131.177,124	13,581	13,111	83	76	27.152	81,437	356,372	4,376	3,906
34	27	97.169	8.995,391	121.518,393	13,509	13,039	84	77	23.679	66,221	274,935	4,152	3,682
35	28	97.048	8.376,858	112.523,002	13,433	12,963	85	78	20.383	53,149	208,714	3,927	3,457
36	29	96.918	7.800,101	104.146,143	13,352	12,882	86	79	17.347	42,174	155,565	3,689	3,219
37	30	96.780	7.262,485	96.346,043	13,266	12,796	87	80	14.416	32,679	113,391	3,470	3,000
38	31	96.631	6.761,152	89.083,558	13,176	12,706	88	81	11.654	24,633	80,712	3,277	2,807
39	32	96.464	6.293,169	82.322,405	13,081	12,611	89	82	9.183	18,098	56,079	3,099	2,629
40	33	96.281	5.856,630	76.029,236	12,982	12,512	90	83	7.045	12,946	37,981	2,934	2,464
41	34	96.077	5.449,144	70.172,606	12,878	12,408	91	84	5.272	9,032	25,034	2,772	2,302
42	35	95.849	5.068,758	64.723,462	12,769	12,299	92	85	3.817	6,097	16,002	2,624	2,155
43	36	95.589	4.713,277	59.654,704	12,657	12,187	93	86	2.684	3,998	9,905	2,477	2,008
44	37	95.298	4.381,306	54.941,427	12,540	12,070	94	87	1.816	2,522	5,907	2,342	1,872
45	38	94.984	4.071,675	50.560,122	12,418	11,948	95	88	1.176	1,523	3,385	2,223	1,753
46	39	94.626	3.782,105	46.488,446	12,292	11,822	96	89	731	0,882	1,862	2,111	1,641
47	40	94.229	3.511,656	42.706,342	12,161	11,691	97	90	433	0,488	0,980	2,009	1,539
48	41	93.794	3.259,161	39.194,686	12,026	11,556	98	91	245	0,258	0,492	1,911	1,441
49	42	93.319	3.023,447	35.935,525	11,886	11,416	99	92	131	0,128	0,235	1,828	1,358
							100	93	66	0,061	0,106	1,753	1,283

Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente nach der Sterbetafel 2002/2004

Altersdifferenz zwischen Mann und Frau (x - y) = 8 Jahre

Zinsfuß 7,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	42	92.900	2.806,412	33.035,371	11,771	11,301
1							51	43	92.336	2.600,806	30.228,959	11,623	11,153
2							52	44	91.738	2.409,299	27.628,153	11,467	10,997
3							53	45	91.073	2.230,149	25.218,853	11,308	10,838
4							54	46	90.357	2.063,046	22.988,704	11,143	10,673
5							55	47	89.583	1.907,093	20.925,658	10,973	10,503
6							56	48	88.739	1.761,433	19.018,564	10,797	10,327
7							57	49	87.858	1.626,046	17.257,131	10,613	10,143
8	0	99.415	56.789,957	820.247,143	14,444	13,974	58	50	86.888	1.499,390	15.631,085	10,425	9,955
9	1	99.025	52.743,685	763.457,186	14,475	14,005	59	51	85.842	1.381,211	14.131,695	10,231	9,761
10	2	98.981	49.156,048	710.713,501	14,458	13,988	60	52	84.704	1.270,767	12.750,484	10,034	9,564
11	3	98.952	45.819,777	661.557,453	14,438	13,968	61	53	83.497	1.167,983	11.479,717	9,829	9,359
12	4	98.920	42.708,899	615.737,675	14,417	13,947	62	54	82.234	1.072,550	10.311,734	9,614	9,144
13	5	98.895	39.811,474	573.028,776	14,394	13,924	63	55	80.844	983,145	9.239,184	9,398	8,928
14	6	98.869	37.110,591	533.217,302	14,368	13,898	64	56	79.374	900,017	8.256,039	9,173	8,703
15	7	98.842	34.592,378	496.106,711	14,342	13,872	65	57	77.808	822,617	7.356,022	8,942	8,472
16	8	98.810	32.243,549	461.514,333	14,313	13,843	66	58	76.104	750,213	6.533,405	8,709	8,239
17	9	98.762	30.049,515	429.270,784	14,285	13,816	67	59	74.288	682,811	5.783,192	8,470	8,000
18	10	98.706	28.002,185	399.221,269	14,257	13,787	68	60	72.327	619,849	5.100,381	8,228	7,759
19	11	98.623	26.087,266	371.219,084	14,230	13,760	69	61	70.229	561,179	4.480,532	7,984	7,514
20	12	98.534	24.301,921	345.131,818	14,202	13,732	70	62	68.035	506,901	3.919,353	7,732	7,262
21	13	98.451	22.639,984	320.829,897	14,171	13,701	71	63	65.679	456,267	3.412,453	7,479	7,009
22	14	98.364	21.090,947	298.189,913	14,138	13,668	72	64	63.178	409,224	2.956,186	7,224	6,754
23	15	98.279	19.648,102	277.098,966	14,103	13,633	73	65	60.508	365,436	2.546,962	6,970	6,500
24	16	98.188	18.303,059	257.450,864	14,066	13,596	74	66	57.686	324,843	2.181,526	6,716	6,246
25	17	98.096	17.049,795	239.147,805	14,026	13,557	75	67	54.737	287,398	1.856,683	6,460	5,990
26	18	98.003	15.882,121	222.098,010	13,984	13,514	76	68	51.676	252,982	1.569,285	6,203	5,733
27	19	97.905	14.793,658	206.215,888	13,939	13,470	77	69	48.536	221,551	1.316,303	5,941	5,471
28	20	97.807	13.779,936	191.422,230	13,891	13,421	78	70	45.294	192,776	1.094,753	5,679	5,209
29	21	97.705	12.834,925	177.642,294	13,841	13,371	79	71	41.940	166,433	901,977	5,419	4,950
30	22	97.612	11.955,953	164.807,369	13,785	13,315	80	72	38.512	142,500	735,544	5,162	4,692
31	23	97.514	11.136,582	152.851,416	13,725	13,255	81	73	35.007	120,775	593,043	4,910	4,440
32	24	97.412	10.372,853	141.714,834	13,662	13,192	82	74	31.478	101,259	472,268	4,664	4,194
33	25	97.306	9.661,108	131.341,981	13,595	13,125	83	75	27.875	83,605	371,009	4,438	3,968
34	26	97.196	8.997,910	121.680,873	13,523	13,053	84	76	24.385	68,195	287,404	4,214	3,745
35	27	97.076	8.379,300	112.682,963	13,448	12,978	85	77	21.068	54,936	219,209	3,990	3,520
36	28	96.946	7.802,417	104.303,662	13,368	12,898	86	78	18.014	43,797	164,272	3,751	3,281
37	29	96.808	7.264,611	96.501,246	13,284	12,814	87	79	15.049	34,114	120,475	3,532	3,062
38	30	96.663	6.763,367	89.236,634	13,194	12,724	88	80	12.251	25,894	86,361	3,335	2,865
39	31	96.498	6.295,418	82.473,267	13,101	12,631	89	81	9.725	19,167	60,466	3,155	2,685
40	32	96.315	5.858,713	76.177,850	13,002	12,533	90	82	7.532	13,841	41,300	2,984	2,514
41	33	96.115	5.451,323	70.319,137	12,899	12,430	91	83	5.678	9,729	27,459	2,822	2,352
42	34	95.894	5.071,135	64.867,814	12,792	12,322	92	84	4.150	6,630	17,730	2,674	2,204
43	35	95.638	4.715,691	59.796,679	12,680	12,210	93	85	2.939	4,378	11,100	2,535	2,065
44	36	95.352	4.383,785	55.080,988	12,565	12,095	94	86	2.019	2,804	6,721	2,397	1,927
45	37	95.043	4.074,174	50.697,203	12,444	11,974	95	87	1.333	1,726	3,917	2,269	1,799
46	38	94.692	3.784,752	46.623,029	12,319	11,849	96	88	841	1,016	2,191	2,157	1,687
47	39	94.305	3.514,468	42.838,277	12,189	11,719	97	89	509	0,573	1,175	2,051	1,581
48	40	93.876	3.261,999	39.323,809	12,055	11,585	98	90	293	0,308	0,602	1,955	1,485
49	41	93.411	3.026,439	36.061,810	11,916	11,446	99	91	161	0,158	0,294	1,862	1,392
							100	92	84	0,076	0,136	1,784	1,314

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 9 Jahre

Zinsfuß 7,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	41	92.992	2.809,189	33.148,382	11,800	11,330
1							51	42	92.440	2.603,735	30.339,193	11,652	11,182
2							52	43	91.857	2.412,431	27.735,459	11,497	11,027
3							53	44	91.200	2.233,258	25.323,028	11,339	10,869
4							54	45	90.501	2.066,323	23.089,770	11,174	10,704
5							55	46	89.744	1.910,525	21.023,447	11,004	10,534
6							56	47	88.912	1.764,865	19.112,922	10,830	10,360
7							57	48	88.044	1.629,500	17.348,057	10,646	10,176
8							58	49	87.097	1.503,008	15.718,557	10,458	9,988
9	0	99.403	52.944,713	763.906,315	14,428	13,958	59	50	86.060	1.384,710	14.215,549	10,266	9,796
10	1	99.016	49.173,659	710.961,601	14,458	13,988	60	51	84.940	1.274,306	12.830,839	10,069	9,599
11	2	98.971	45.828,838	661.787,942	14,440	13,971	61	52	83.750	1.171,524	11.556,533	9,865	9,395
12	3	98.937	42.716,231	615.959,104	14,420	13,950	62	53	82.494	1.075,948	10.385,009	9,652	9,182
13	4	98.908	39.816,617	573.242,873	14,397	13,927	63	54	81.126	986,576	9.309,061	9,436	8,966
14	5	98.882	37.115,443	533.426,256	14,372	13,902	64	55	79.676	903,438	8.322,485	9,212	8,742
15	6	98.851	34.595,566	496.310,813	14,346	13,876	65	56	78.121	825,933	7.419,046	8,983	8,513
16	7	98.818	32.246,357	461.715,248	14,318	13,848	66	57	76.445	753,576	6.593,113	8,749	8,279
17	8	98.772	30.052,400	429.468,890	14,291	13,821	67	58	74.648	686,115	5.839,537	8,511	8,041
18	9	98.712	28.003,995	399.416,490	14,263	13,793	68	59	72.697	623,016	5.153,422	8,272	7,802
19	10	98.631	26.089,460	371.412,496	14,236	13,766	69	60	70.617	564,285	4.530,406	8,029	7,559
20	11	98.543	24.304,200	345.323,036	14,208	13,738	70	61	68.420	509,769	3.966,121	7,780	7,310
21	12	98.459	22.641,907	321.018,835	14,178	13,708	71	62	66.095	459,156	3.456,352	7,528	7,058
22	13	98.374	21.092,991	298.376,928	14,146	13,676	72	63	63.611	412,027	2.997,196	7,274	6,804
23	14	98.290	19.650,392	277.283,938	14,111	13,641	73	64	60.954	368,128	2.585,169	7,022	6,553
24	15	98.206	18.306,330	257.633,546	14,073	13,604	74	65	58.161	327,518	2.217,041	6,769	6,299
25	16	98.117	17.053,407	239.327,216	14,034	13,564	75	66	55.237	290,024	1.889,523	6,515	6,045
26	17	98.024	15.885,617	222.273,810	13,992	13,522	76	67	52.206	255,580	1.599,499	6,258	5,788
27	18	97.933	14.797,914	206.388,193	13,947	13,477	77	68	49.098	224,114	1.343,919	5,997	5,527
28	19	97.834	13.783,757	191.590,279	13,900	13,430	78	69	45.879	195,267	1.119,805	5,735	5,265
29	20	97.735	12.838,981	177.806,523	13,849	13,379	79	70	42.545	168,833	924,538	5,476	5,006
30	21	97.636	11.958,879	164.967,542	13,795	13,325	80	71	39.147	144,849	755,705	5,217	4,747
31	22	97.541	11.139,598	153.008,662	13,736	13,266	81	72	35.650	122,993	610,856	4,967	4,497
32	23	97.437	10.375,560	141.869,065	13,673	13,203	82	73	32.133	103,365	487,864	4,720	4,250
33	24	97.332	9.663,734	131.493,505	13,607	13,137	83	74	28.524	85,552	384,498	4,494	4,024
34	25	97.220	9.000,125	121.829,771	13,536	13,067	84	75	25.034	70,010	298,946	4,270	3,800
35	26	97.104	8.381,647	112.829,646	13,462	12,992	85	76	21.696	56,574	228,936	4,047	3,577
36	27	96.975	7.804,691	104.448,000	13,383	12,913	86	77	18.620	45,270	172,362	3,807	3,338
37	28	96.837	7.266,768	96.643,308	13,299	12,829	87	78	15.628	35,427	127,092	3,587	3,117
38	29	96.691	6.765,347	89.376,540	13,211	12,741	88	79	12.789	27,031	91,664	3,391	2,921
39	30	96.530	6.297,480	82.611,193	13,118	12,648	89	80	10.223	20,148	64,633	3,208	2,738
40	31	96.349	5.860,806	76.313,713	13,021	12,551	90	81	7.977	14,658	44,485	3,035	2,565
41	32	96.149	5.453,262	70.452,907	12,919	12,450	91	82	6.071	10,401	29,827	2,868	2,398
42	33	95.932	5.073,163	64.999,645	12,812	12,343	92	83	4.471	7,142	19,426	2,720	2,250
43	34	95.683	4.717,903	59.926,483	12,702	12,232	93	84	3.196	4,761	12,284	2,580	2,110
44	35	95.401	4.386,030	55.208,580	12,587	12,117	94	85	2.211	3,071	7,523	2,450	1,980
45	36	95.096	4.076,479	50.822,550	12,467	11,997	95	86	1.482	1,920	4,452	2,319	1,849
46	37	94.750	3.787,074	46.746,071	12,344	11,874	96	87	954	1,151	2,532	2,199	1,729
47	38	94.371	3.516,928	42.958,997	12,215	11,745	97	88	586	0,660	1,381	2,093	1,623
48	39	93.951	3.264,612	39.442,068	12,082	11,612	98	89	345	0,362	0,721	1,994	1,524
49	40	93.493	3.029,074	36.177,457	11,943	11,474	99	90	193	0,189	0,359	1,903	1,433
							100	91	103	0,094	0,171	1,815	1,345

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 10 Jahre

Zinsfuß 7,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	40	93.073	2.811,635	33.251,849	11,827	11,357
1							51	41	92.531	2.606,311	30.440,214	11,679	11,210
2							52	42	91.961	2.415,147	27.833,903	11,525	11,055
3							53	43	91.319	2.236,161	25.418,756	11,367	10,897
4							54	44	90.627	2.069,203	23.182,595	11,204	10,734
5							55	45	89.886	1.913,560	21.113,392	11,034	10,564
6							56	46	89.072	1.768,041	19.199,832	10,859	10,389
7							57	47	88.216	1.632,675	17.431,791	10,677	10,207
8							58	48	87.282	1.506,201	15.799,116	10,489	10,019
9							59	49	86.267	1.388,050	14.292,916	10,297	9,827
10	0	99.393	49.361,080	711.375,880	14,412	13,942	60	50	85.155	1.277,534	12.904,865	10,101	9,631
11	1	99.007	45.845,257	662.014,800	14,440	13,970	61	51	83.984	1.174,787	11.627,332	9,897	9,427
12	2	98.957	42.724,678	616.169,542	14,422	13,952	62	52	82.744	1.079,210	10.452,544	9,685	9,215
13	3	98.924	39.823,452	573.444,864	14,400	13,930	63	53	81.383	989,701	9.373,334	9,471	9,001
14	4	98.895	37.120,237	533.621,412	14,375	13,906	64	54	79.954	906,592	8.383,633	9,247	8,778
15	5	98.864	34.600,089	496.501,175	14,350	13,880	65	55	78.418	829,073	7.477,041	9,019	8,549
16	6	98.827	32.249,329	461.901,086	14,323	13,853	66	56	76.753	756,614	6.647,968	8,786	8,317
17	7	98.780	30.055,018	429.651,757	14,296	13,826	67	57	74.982	689,191	5.891,354	8,548	8,078
18	8	98.722	28.006,683	399.596,740	14,268	13,798	68	58	73.049	626,031	5.202,164	8,310	7,840
19	9	98.637	26.091,146	371.590,056	14,242	13,772	69	59	70.978	567,168	4.576,133	8,068	7,598
20	10	98.552	24.306,244	345.498,911	14,214	13,745	70	60	68.799	512,591	4.008,965	7,821	7,351
21	11	98.468	22.644,031	321.192,666	14,184	13,715	71	61	66.469	461,755	3.496,374	7,572	7,102
22	12	98.382	21.094,782	298.548,636	14,153	13,683	72	62	64.014	414,636	3.034,619	7,319	6,849
23	13	98.299	19.652,296	277.453,854	14,118	13,648	73	63	61.371	370,649	2.619,983	7,069	6,599
24	14	98.217	18.308,463	257.801,558	14,081	13,611	74	64	58.590	329,930	2.249,334	6,818	6,348
25	15	98.134	17.056,454	239.493,095	14,041	13,571	75	65	55.692	292,413	1.919,404	6,564	6,094
26	16	98.045	15.888,981	222.436,641	13,999	13,530	76	66	52.683	257,916	1.626,991	6,308	5,838
27	17	97.954	14.801,171	206.547,659	13,955	13,485	77	67	49.602	226,415	1.369,075	6,047	5,577
28	18	97.863	13.787,722	191.746,489	13,907	13,437	78	68	46.410	197,526	1.142,660	5,785	5,315
29	19	97.763	12.842,541	177.958,767	13,857	13,387	79	69	43.094	171,015	945,134	5,527	5,057
30	20	97.667	11.962,658	165.116,226	13,803	13,333	80	70	39.711	146,937	774,119	5,268	4,798
31	21	97.565	11.142,324	153.153,568	13,745	13,275	81	71	36.238	125,020	627,182	5,017	4,547
32	22	97.464	10.378,369	142.011,244	13,683	13,213	82	72	32.723	105,263	502,162	4,771	4,301
33	23	97.357	9.666,256	131.632,875	13,618	13,148	83	73	29.117	87,331	396,899	4,545	4,075
34	24	97.247	9.002,570	121.966,619	13,548	13,078	84	74	25.617	71,641	309,568	4,321	3,851
35	25	97.127	8.383,710	112.964,048	13,474	13,004	85	75	22.274	58,080	237,927	4,097	3,627
36	26	97.002	7.806,877	104.580,339	13,396	12,926	86	76	19.175	46,620	179,847	3,858	3,388
37	27	96.865	7.268,887	96.773,462	13,313	12,843	87	77	16.154	36,619	133,227	3,638	3,168
38	28	96.720	6.767,356	89.504,575	13,226	12,756	88	78	13.281	28,072	96,608	3,441	2,972
39	29	96.558	6.299,324	82.737,219	13,134	12,664	89	79	10.672	21,033	68,536	3,259	2,789
40	30	96.381	5.862,726	76.437,896	13,038	12,568	90	80	8.385	15,408	47,504	3,083	2,613
41	31	96.184	5.455,210	70.575,170	12,937	12,467	91	81	6.429	11,015	32,095	2,914	2,444
42	32	95.967	5.074,967	65.119,959	12,832	12,362	92	82	4.780	7,635	21,080	2,761	2,291
43	33	95.721	4.719,789	60.044,992	12,722	12,252	93	83	3.443	5,128	13,444	2,622	2,152
44	34	95.446	4.388,087	55.325,203	12,608	12,138	94	84	2.405	3,340	8,316	2,490	2,020
45	35	95.145	4.078,567	50.937,116	12,489	12,019	95	85	1.623	2,102	4,977	2,367	1,898
46	36	94.804	3.789,217	46.858,549	12,366	11,896	96	86	1.061	1,281	2,875	2,245	1,775
47	37	94.428	3.519,086	43.069,332	12,239	11,769	97	87	664	0,748	1,594	2,132	1,662
48	38	94.017	3.266,897	39.550,246	12,106	11,636	98	88	397	0,416	0,846	2,032	1,562
49	39	93.568	3.031,500	36.283,349	11,969	11,499	99	89	227	0,222	0,430	1,939	1,469
							100	90	123	0,112	0,208	1,853	1,383

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 11 Jahre

Zinsfuß 7,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	39	93.148	2.813,887	33.346,573	11,851	11,381
1							51	40	92.612	2.608,580	30.532,686	11,705	11,235
2							52	41	92.052	2.417,537	27.924,105	11,551	11,081
3							53	42	91.422	2.238,678	25.506,569	11,394	10,924
4							54	43	90.745	2.071,893	23.267,890	11,230	10,760
5							55	44	90.012	1.916,227	21.195,997	11,061	10,591
6							56	45	89.213	1.770,849	19.279,770	10,887	10,417
7							57	46	88.374	1.635,613	17.508,921	10,705	10,235
8							58	47	87.452	1.509,136	15.873,308	10,518	10,048
9							59	48	86.451	1.390,999	14.364,173	10,327	9,857
10							60	49	85.360	1.280,616	12.973,174	10,130	9,661
11	0	99.384	46.019,992	662.396,945	14,394	13,924	61	50	84.196	1.177,763	11.692,558	9,928	9,458
12	1	98.992	42.739,985	616.376,952	14,422	13,952	62	51	82.975	1.082,216	10.514,795	9,716	9,246
13	2	98.944	39.831,328	573.636,967	14,402	13,932	63	52	81.630	992,703	9.432,579	9,502	9,032
14	3	98.912	37.126,610	533.805,640	14,378	13,908	64	53	80.207	909,463	8.439,877	9,280	8,810
15	4	98.876	34.604,558	496.679,030	14,353	13,883	65	54	78.692	831,966	7.530,413	9,051	8,581
16	5	98.840	32.253,545	462.074,472	14,326	13,856	66	55	77.045	759,490	6.698,447	8,820	8,350
17	6	98.790	30.057,787	429.820,927	14,300	13,830	67	56	75.285	691,969	5.938,957	8,583	8,113
18	7	98.730	28.009,123	399.763,140	14,273	13,803	68	57	73.376	628,837	5.246,988	8,344	7,874
19	8	98.647	26.093,650	371.754,017	14,247	13,777	69	58	71.322	569,913	4.618,151	8,103	7,633
20	9	98.558	24.307,815	345.660,367	14,220	13,750	70	59	69.151	515,210	4.048,238	7,857	7,388
21	10	98.477	22.645,935	321.352,551	14,190	13,720	71	60	66.837	464,310	3.533,028	7,609	7,139
22	11	98.391	21.096,761	298.706,616	14,159	13,689	72	61	64.376	416,982	3.068,718	7,359	6,889
23	12	98.308	19.653,965	277.609,856	14,125	13,655	73	62	61.760	372,996	2.651,735	7,109	6,639
24	13	98.227	18.310,237	257.955,891	14,088	13,618	74	63	58.991	332,190	2.278,739	6,860	6,390
25	14	98.146	17.058,442	239.645,654	14,049	13,579	75	64	56.102	294,567	1.946,549	6,608	6,138
26	15	98.063	15.891,821	222.587,212	14,006	13,537	76	65	53.117	260,040	1.651,982	6,353	5,883
27	16	97.975	14.804,306	206.695,391	13,962	13,492	77	66	50.055	228,485	1.391,942	6,092	5,622
28	17	97.884	13.790,756	191.891,085	13,914	13,445	78	67	46.887	199,555	1.163,458	5,830	5,360
29	18	97.791	12.846,235	178.100,329	13,864	13,394	79	68	43.593	172,994	963,903	5,572	5,102
30	19	97.694	11.965,975	165.254,094	13,810	13,340	80	69	40.225	148,836	790,910	5,314	4,844
31	20	97.595	11.145,845	153.288,119	13,753	13,283	81	70	36.760	126,822	642,074	5,063	4,593
32	21	97.488	10.380,909	142.142,275	13,693	13,223	82	71	33.262	106,998	515,251	4,816	4,346
33	22	97.384	9.668,874	131.761,365	13,627	13,157	83	72	29.652	88,935	408,254	4,590	4,121
34	23	97.272	9.004,920	122.092,492	13,558	13,089	84	73	26.150	73,131	319,319	4,366	3,897
35	24	97.154	8.385,988	113.087,572	13,485	13,015	85	74	22.793	59,433	246,188	4,142	3,672
36	25	97.026	7.808,798	104.701,584	13,408	12,938	86	75	19.686	47,861	186,755	3,902	3,432
37	26	96.892	7.270,922	96.892,785	13,326	12,856	87	76	16.635	37,710	138,895	3,683	3,213
38	27	96.748	6.769,329	89.621,863	13,239	12,770	88	77	13.728	29,016	101,184	3,487	3,017
39	28	96.587	6.301,194	82.852,535	13,149	12,679	89	78	11.083	21,842	72,169	3,304	2,834
40	29	96.409	5.864,443	76.551,341	13,053	12,584	90	79	8.753	16,085	50,326	3,129	2,659
41	30	96.215	5.456,997	70.686,898	12,953	12,484	91	80	6.758	11,579	34,241	2,957	2,487
42	31	96.001	5.076,781	65.229,901	12,849	12,379	92	81	5.062	8,086	22,662	2,803	2,333
43	32	95.755	4.721,468	60.153,120	12,740	12,270	93	82	3.681	5,482	14,576	2,659	2,189
44	33	95.484	4.389,841	55.431,653	12,627	12,157	94	83	2.590	3,597	9,093	2,528	2,058
45	34	95.190	4.080,480	51.041,811	12,509	12,039	95	84	1.765	2,286	5,496	2,404	1,934
46	35	94.852	3.791,158	46.961,332	12,387	11,917	96	85	1.161	1,402	3,210	2,289	1,819
47	36	94.482	3.521,077	43.170,174	12,261	11,791	97	86	739	0,832	1,808	2,174	1,704
48	37	94.075	3.268,901	39.649,096	12,129	11,659	98	87	450	0,472	0,976	2,067	1,598
49	38	93.633	3.033,622	36.380,195	11,992	11,522	99	88	261	0,255	0,504	1,974	1,504
							100	89	144	0,132	0,249	1,886	1,416

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 12 Jahre

Zinsfuß 7,25%

Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	38	93.213	2.815,857	33.433,190	11,873	11,403
1							51	39	92.686	2.610,670	30.617,333	11,728	11,258
2							52	40	92.132	2.419,642	28.006,663	11,575	11,105
3							53	41	91.512	2.240,894	25.587,022	11,418	10,948
4							54	42	90.847	2.074,226	23.346,128	11,255	10,785
5							55	43	90.129	1.918,718	21.271,902	11,087	10,617
6							56	44	89.338	1.773,318	19.353,185	10,914	10,444
7							57	45	88.515	1.638,211	17.579,867	10,731	10,261
8							58	46	87.610	1.511,851	15.941,656	10,544	10,075
9							59	47	86.619	1.393,710	14.429,805	10,354	9,884
10							60	48	85.542	1.283,336	13.036,096	10,158	9,688
11							61	49	84.399	1.180,604	11.752,760	9,955	9,485
12	0	99.370	42.902,885	616.729,465	14,375	13,905	62	50	83.185	1.084,957	10.572,155	9,744	9,274
13	1	98.980	39.845,598	573.826,580	14,401	13,931	63	51	81.857	995,467	9.487,198	9,530	9,060
14	2	98.931	37.133,951	533.980,982	14,380	13,910	64	52	80.450	912,221	8.491,731	9,309	8,839
15	3	98.893	34.610,499	496.847,031	14,355	13,885	65	53	78.941	834,602	7.579,510	9,082	8,612
16	4	98.853	32.257,711	462.236,532	14,329	13,860	66	54	77.314	762,141	6.744,908	8,850	8,380
17	5	98.802	30.061,717	429.978,820	14,303	13,833	67	55	75.571	694,599	5.982,767	8,613	8,143
18	6	98.740	28.011,704	399.917,103	14,277	13,807	68	56	73.672	631,372	5.288,168	8,376	7,906
19	7	98.656	26.095,923	371.905,400	14,251	13,782	69	57	71.642	572,468	4.656,796	8,135	7,665
20	8	98.567	24.310,149	345.809,476	14,225	13,755	70	58	69.485	517,703	4.084,328	7,889	7,419
21	9	98.483	22.647,398	321.499,328	14,196	13,726	71	59	67.178	466,683	3.566,625	7,643	7,173
22	10	98.400	21.098,535	298.851,929	14,165	13,695	72	60	64.732	419,290	3.099,942	7,393	6,923
23	11	98.317	19.655,808	277.753,395	14,131	13,661	73	61	62.110	375,107	2.680,652	7,146	6,676
24	12	98.235	18.311,792	258.097,586	14,095	13,625	74	62	59.365	334,294	2.305,545	6,897	6,427
25	13	98.155	17.060,095	239.785,794	14,055	13,585	75	63	56.487	296,584	1.971,251	6,647	6,177
26	14	98.074	15.893,673	222.725,699	14,013	13,544	76	64	53.508	261,956	1.674,667	6,393	5,923
27	15	97.992	14.806,952	206.832,027	13,969	13,499	77	65	50.467	230,366	1.412,712	6,132	5,663
28	16	97.905	13.793,677	192.025,075	13,921	13,451	78	66	47.315	201,378	1.182,345	5,871	5,401
29	17	97.812	12.849,062	178.231,398	13,871	13,401	79	67	44.041	174,770	980,967	5,613	5,143
30	18	97.722	11.969,417	165.382,336	13,817	13,347	80	68	40.690	150,558	806,197	5,355	4,885
31	19	97.622	11.148,935	153.412,918	13,760	13,290	81	69	37.235	128,461	655,639	5,104	4,634
32	20	97.518	10.384,189	142.263,983	13,700	13,230	82	70	33.742	108,540	527,178	4,857	4,387
33	21	97.408	9.671,240	131.879,794	13,636	13,166	83	71	30.140	90,400	418,637	4,631	4,161
34	22	97.298	9.007,359	122.208,554	13,568	13,098	84	72	26.630	74,473	328,237	4,407	3,938
35	23	97.179	8.388,177	113.201,196	13,495	13,025	85	73	23.267	60,669	253,764	4,183	3,713
36	24	97.052	7.810,920	104.813,019	13,419	12,949	86	74	20.144	48,975	193,095	3,943	3,473
37	25	96.916	7.272,712	97.002,099	13,338	12,868	87	75	17.078	38,714	144,120	3,723	3,253
38	26	96.775	6.771,224	89.729,387	13,252	12,782	88	76	14.137	29,881	105,405	3,528	3,058
39	27	96.615	6.303,031	82.958,163	13,162	12,692	89	77	11.456	22,577	75,525	3,345	2,875
40	28	96.438	5.866,184	76.655,132	13,067	12,597	90	78	9.090	16,704	52,948	3,170	2,700
41	29	96.243	5.458,595	70.788,948	12,968	12,498	91	79	7.055	12,088	36,244	2,998	2,528
42	30	96.032	5.078,443	65.330,353	12,864	12,394	92	80	5.321	8,500	24,156	2,842	2,372
43	31	95.789	4.723,155	60.251,910	12,757	12,287	93	81	3.898	5,806	15,655	2,696	2,226
44	32	95.518	4.391,403	55.528,755	12,645	12,175	94	82	2.769	3,846	9,849	2,561	2,091
45	33	95.228	4.082,111	51.137,352	12,527	12,057	95	83	1.901	2,462	6,003	2,438	1,968
46	34	94.897	3.792,936	47.055,241	12,406	11,936	96	84	1.263	1,525	3,541	2,322	1,852
47	35	94.530	3.522,881	43.262,305	12,280	11,810	97	85	809	0,911	2,016	2,214	1,744
48	36	94.128	3.270,751	39.739,424	12,150	11,680	98	86	500	0,525	1,106	2,106	1,636
49	37	93.691	3.035,484	36.468,673	12,014	11,544	99	87	296	0,289	0,581	2,006	1,536
							100	88	166	0,152	0,291	1,918	1,448

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 13 Jahre

Zinsfuß 7,25%

Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	37	93.270	2.817,584	33.512,311	11,894	11,424
1							51	38	92.751	2.612,497	30.694,726	11,749	11,279
2							52	39	92.206	2.421,580	28.082,229	11,597	11,127
3							53	40	91.592	2.242,845	25.660,649	11,441	10,971
4							54	41	90.937	2.076,278	23.417,804	11,279	10,809
5							55	42	90.230	1.920,878	21.341,526	11,110	10,640
6							56	43	89.454	1.775,623	19.420,649	10,937	10,467
7							57	44	88.638	1.640,494	17.645,026	10,756	10,286
8							58	45	87.749	1.514,252	16.004,532	10,569	10,099
9							59	46	86.775	1.396,217	14.490,279	10,378	9,908
10							60	47	85.709	1.285,837	13.094,062	10,183	9,713
11							61	48	84.579	1.183,112	11.808,225	9,981	9,511
12							62	49	83.386	1.087,575	10.625,113	9,770	9,300
13	0	99.357	39.997,466	574.151,778	14,355	13,885	63	50	82.065	997,989	9.537,538	9,557	9,087
14	1	98.967	37.147,255	534.154,312	14,379	13,909	64	51	80.674	914,762	8.539,549	9,335	8,865
15	2	98.913	34.617,343	497.007,057	14,357	13,887	65	52	79.181	837,133	7.624,788	9,108	8,638
16	3	98.870	32.263,249	462.389,713	14,332	13,862	66	53	77.559	764,555	6.787,655	8,878	8,408
17	4	98.815	30.065,600	430.126,464	14,306	13,836	67	54	75.834	697,023	6.023,100	8,641	8,171
18	5	98.752	28.015,366	400.060,864	14,280	13,810	68	55	73.952	633,772	5.326,077	8,404	7,934
19	6	98.665	26.098,328	372.045,498	14,256	13,786	69	56	71.930	574,775	4.692,305	8,164	7,694
20	7	98.576	24.312,266	345.947,170	14,229	13,759	70	57	69.797	520,024	4.117,529	7,918	7,448
21	8	98.493	22.649,573	321.634,904	14,200	13,731	71	58	67.504	468,941	3.597,505	7,672	7,202
22	9	98.406	21.099,898	298.985,332	14,170	13,700	72	59	65.063	421,433	3.128,564	7,424	6,954
23	10	98.325	19.657,461	277.885,433	14,136	13,666	73	60	62.453	377,183	2.707,131	7,177	6,707
24	11	98.244	18.313,510	258.227,972	14,100	13,631	74	61	59.701	336,185	2.329,948	6,931	6,461
25	12	98.164	17.061,544	239.914,462	14,062	13,592	75	62	56.844	298,462	1.993,763	6,680	6,210
26	13	98.084	15.895,213	222.852,919	14,020	13,550	76	63	53.875	263,750	1.695,300	6,428	5,958
27	14	98.004	14.808,677	206.957,706	13,975	13,506	77	64	50.839	232,063	1.431,551	6,169	5,699
28	15	97.922	13.796,142	192.149,029	13,928	13,458	78	65	47.705	203,037	1.199,488	5,908	5,438
29	16	97.833	12.851,784	178.352,886	13,878	13,408	79	66	44.443	176,367	996,451	5,650	5,180
30	17	97.743	11.972,051	165.501,103	13,824	13,354	80	67	41.108	152,104	820,084	5,392	4,922
31	18	97.651	11.152,142	153.529,051	13,767	13,297	81	68	37.666	129,947	667,980	5,140	4,670
32	19	97.545	10.387,069	142.376,909	13,707	13,237	82	69	34.178	109,943	538,032	4,894	4,424
33	20	97.438	9.674,296	131.989,840	13,643	13,173	83	70	30.575	91,704	428,089	4,668	4,198
34	21	97.322	9.009,563	122.315,545	13,576	13,106	84	71	27.069	75,701	336,385	4,444	3,974
35	22	97.205	8.390,448	113.305,982	13,504	13,034	85	72	23.694	61,782	260,684	4,219	3,749
36	23	97.077	7.812,959	104.915,534	13,428	12,959	86	73	20.563	49,994	198,902	3,979	3,509
37	24	96.943	7.274,688	97.102,575	13,348	12,878	87	74	17.476	39,616	148,908	3,759	3,289
38	25	96.799	6.772,891	89.827,887	13,263	12,793	88	75	14.513	30,676	109,292	3,563	3,093
39	26	96.642	6.304,796	83.054,996	13,173	12,703	89	76	11.797	23,250	78,616	3,381	2,911
40	27	96.466	5.867,894	76.750,200	13,080	12,610	90	77	9.396	17,266	55,366	3,207	2,737
41	28	96.272	5.460,216	70.882,306	12,982	12,512	91	78	7.327	12,553	38,100	3,035	2,565
42	29	96.060	5.079,930	65.422,090	12,879	12,409	92	79	5.555	8,874	25,547	2,879	2,409
43	30	95.820	4.724,702	60.342,160	12,772	12,302	93	80	4.098	6,103	16,673	2,732	2,262
44	31	95.552	4.392,972	55.617,458	12,661	12,191	94	81	2.933	4,073	10,570	2,595	2,125
45	32	95.262	4.083,563	51.224,486	12,544	12,074	95	82	2.033	2,632	6,497	2,468	1,998
46	33	94.935	3.794,452	47.140,923	12,424	11,954	96	83	1.360	1,643	3,865	2,353	1,883
47	34	94.575	3.524,533	43.346,471	12,298	11,829	97	84	880	0,990	2,222	2,244	1,774
48	35	94.176	3.272,426	39.821,938	12,169	11,699	98	85	548	0,575	1,232	2,143	1,673
49	36	93.744	3.037,201	36.549,512	12,034	11,564	99	86	329	0,322	0,657	2,041	1,572
							100	87	189	0,172	0,335	1,948	1,478

Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente nach der Sterbetafel 2002/2004

Altersdifferenz zwischen Mann und Frau (x - y) = 14 Jahre

Zinsfuß 7,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	36	93.323	2.819,179	33.584,590	11,913	11,443
1							51	37	92.808	2.614,100	30.765,412	11,769	11,299
2							52	38	92.270	2.423,275	28.151,311	11,617	11,147
3							53	39	91.665	2.244,641	25.728,037	11,462	10,992
4							54	40	91.016	2.078,086	23.483,395	11,300	10,831
5							55	41	90.319	1.922,779	21.405,310	11,132	10,663
6							56	42	89.555	1.777,622	19.482,531	10,960	10,490
7							57	43	88.753	1.642,627	17.704,909	10,778	10,309
8							58	44	87.871	1.516,363	16.062,283	10,593	10,123
9							59	45	86.913	1.398,435	14.545,919	10,402	9,932
10							60	46	85.863	1.288,150	13.147,484	10,206	9,737
11							61	47	84.744	1.185,418	11.859,334	10,004	9,534
12							62	48	83.563	1.089,885	10.673,916	9,794	9,324
13							63	49	82.263	1.000,397	9.584,031	9,580	9,110
14	0	99.344	37.288,839	534.454,330	14,333	13,863	64	50	80.879	917,079	8.583,635	9,360	8,890
15	1	98.948	34.629,746	497.165,491	14,357	13,887	65	51	79.401	839,464	7.666,556	9,133	8,663
16	2	98.890	32.269,629	462.535,746	14,333	13,864	66	52	77.794	766,873	6.827,092	8,903	8,433
17	3	98.832	30.070,762	430.266,116	14,308	13,839	67	53	76.075	699,231	6.060,219	8,667	8,197
18	4	98.765	28.018,985	400.195,355	14,283	13,813	68	54	74.210	635,984	5.360,987	8,429	7,960
19	5	98.678	26.101,740	372.176,370	14,259	13,789	69	55	72.204	576,960	4.725,003	8,189	7,720
20	6	98.585	24.314,506	346.074,630	14,233	13,763	70	56	70.078	522,120	4.148,043	7,945	7,475
21	7	98.501	22.651,545	321.760,123	14,205	13,735	71	57	67.806	471,043	3.625,923	7,698	7,228
22	8	98.415	21.101,924	299.108,578	14,174	13,705	72	58	65.378	423,472	3.154,879	7,450	6,980
23	9	98.332	19.658,732	278.006,654	14,142	13,672	73	59	62.772	379,111	2.731,407	7,205	6,735
24	10	98.252	18.315,050	258.347,923	14,106	13,636	74	60	60.031	338,046	2.352,297	6,959	6,489
25	11	98.173	17.063,144	240.032,873	14,067	13,597	75	61	57.166	300,151	2.014,251	6,711	6,241
26	12	98.092	15.896,563	222.969,729	14,026	13,556	76	62	54.216	265,420	1.714,099	6,458	5,988
27	13	98.013	14.810,112	207.073,166	13,982	13,512	77	63	51.187	233,652	1.448,680	6,200	5,730
28	14	97.934	13.797,750	192.263,054	13,934	13,464	78	64	48.056	204,532	1.215,027	5,941	5,471
29	15	97.850	12.854,081	178.465,304	13,884	13,414	79	65	44.809	177,820	1.010,495	5,683	5,213
30	16	97.764	11.974,587	165.611,223	13,830	13,360	80	66	41.484	153,494	832,675	5,425	4,955
31	17	97.672	11.154,597	153.636,636	13,773	13,303	81	67	38.053	131,282	679,181	5,173	4,704
32	18	97.573	10.390,057	142.482,040	13,713	13,243	82	68	34.573	111,215	547,899	4,926	4,457
33	19	97.465	9.676,978	132.091,983	13,650	13,180	83	69	30.970	92,889	436,684	4,701	4,231
34	20	97.353	9.012,410	122.415,005	13,583	13,113	84	70	27.459	76,792	343,795	4,477	4,007
35	21	97.229	8.392,502	113.402,595	13,512	13,042	85	71	24.084	62,801	267,003	4,252	3,782
36	22	97.104	7.815,075	105.010,094	13,437	12,967	86	72	20.940	50,912	204,202	4,011	3,541
37	23	96.968	7.276,587	97.195,019	13,357	12,887	87	73	17.839	40,440	153,290	3,791	3,321
38	24	96.825	6.774,731	89.918,432	13,273	12,803	88	74	14.851	31,391	112,850	3,595	3,125
39	25	96.666	6.306,348	83.143,701	13,184	12,714	89	75	12.111	23,869	81,460	3,413	2,943
40	26	96.493	5.869,537	76.837,353	13,091	12,621	90	76	9.676	17,781	57,591	3,239	2,769
41	27	96.300	5.461,807	70.967,816	12,993	12,524	91	77	7.573	12,975	39,810	3,068	2,598
42	28	96.089	5.081,439	65.506,009	12,891	12,421	92	78	5.768	9,215	26,835	2,912	2,442
43	29	95.849	4.726,085	60.424,570	12,785	12,315	93	79	4.277	6,371	17,620	2,765	2,296
44	30	95.583	4.394,411	55.698,485	12,675	12,205	94	80	3.083	4,281	11,249	2,627	2,157
45	31	95.296	4.085,022	51.304,074	12,559	12,089	95	81	2.153	2,788	6,967	2,499	2,029
46	32	94.968	3.795,802	47.219,052	12,440	11,970	96	82	1.454	1,756	4,179	2,380	1,910
47	33	94.612	3.525,942	43.423,250	12,315	11,845	97	83	947	1,067	2,423	2,272	1,802
48	34	94.220	3.273,961	39.897,308	12,186	11,716	98	84	596	0,625	1,357	2,170	1,700
49	35	93.792	3.038,757	36.623,347	12,052	11,582	99	85	360	0,352	0,731	2,075	1,605
							100	86	210	0,191	0,379	1,980	1,510

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 15 Jahre

Zinsfuß 7,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	35	93.371	2.820,623	33.650,601	11,930	11,460
1							51	36	92.860	2.615,579	30.829,978	11,787	11,317
2							52	37	92.327	2.424,762	28.214,399	11,636	11,166
3							53	38	91.729	2.246,212	25.789,637	11,481	11,011
4							54	39	91.089	2.079,750	23.543,425	11,320	10,850
5							55	40	90.398	1.924,453	21.463,675	11,153	10,683
6							56	41	89.643	1.779,381	19.539,222	10,981	10,511
7							57	42	88.853	1.644,476	17.759,841	10,800	10,330
8							58	43	87.985	1.518,334	16.115,365	10,614	10,144
9							59	44	87.034	1.400,384	14.597,031	10,424	9,954
10							60	45	85.999	1.290,197	13.196,647	10,228	9,759
11							61	46	84.896	1.187,550	11.906,450	10,026	9,556
12							62	47	83.726	1.092,009	10.718,900	9,816	9,346
13							63	48	82.437	1.002,522	9.626,891	9,603	9,133
14							64	49	81.074	919,291	8.624,369	9,382	8,912
15	0	99.326	34.761,734	497.442,290	14,310	13,840	65	50	79.602	841,590	7.705,078	9,155	8,685
16	1	98.925	32.281,191	462.680,556	14,333	13,863	66	51	78.011	769,009	6.863,487	8,925	8,455
17	2	98.852	30.076,708	430.399,365	14,310	13,840	67	52	76.305	701,352	6.094,478	8,690	8,220
18	3	98.782	28.023,795	400.322,657	14,285	13,815	68	53	74.445	637,999	5.393,127	8,453	7,983
19	4	98.690	26.105,112	372.298,862	14,262	13,792	69	54	72.456	578,974	4.755,128	8,213	7,743
20	5	98.598	24.317,685	346.193,751	14,236	13,766	70	55	70.344	524,105	4.176,154	7,968	7,498
21	6	98.510	22.653,633	321.876,065	14,209	13,739	71	56	68.079	472,942	3.652,049	7,722	7,252
22	7	98.424	21.103,762	299.222,433	14,179	13,709	72	57	65.671	425,370	3.179,107	7,474	7,004
23	8	98.341	19.660,619	278.118,671	14,146	13,676	73	58	63.076	380,945	2.753,737	7,229	6,759
24	9	98.259	18.316,233	258.458,052	14,111	13,641	74	59	60.338	339,773	2.372,791	6,983	6,514
25	10	98.181	17.064,579	240.141,819	14,073	13,603	75	60	57.482	301,813	2.033,018	6,736	6,266
26	11	98.101	15.898,054	223.077,240	14,032	13,562	76	61	54.523	266,922	1.731,205	6,486	6,016
27	12	98.022	14.811,370	207.179,186	13,988	13,518	77	62	51.511	235,132	1.464,283	6,227	5,758
28	13	97.943	13.799,087	192.367,816	13,941	13,471	78	63	48.386	205,933	1.229,151	5,969	5,499
29	14	97.862	12.855,579	178.568,729	13,890	13,420	79	64	45.139	179,130	1.023,218	5,712	5,242
30	15	97.782	11.976,727	165.713,150	13,836	13,366	80	65	41.825	154,758	844,089	5,454	4,984
31	16	97.693	11.156,959	153.736,423	13,779	13,310	81	66	38.401	132,482	689,330	5,203	4,733
32	17	97.595	10.392,343	142.579,464	13,720	13,250	82	67	34.928	112,357	556,849	4,956	4,486
33	18	97.493	9.679,762	132.187,121	13,656	13,186	83	68	31.328	93,964	444,491	4,730	4,261
34	19	97.380	9.014,908	122.507,359	13,589	13,120	84	69	27.814	77,785	350,528	4,506	4,036
35	20	97.260	8.395,153	113.492,450	13,519	13,049	85	70	24.432	63,706	272,743	4,281	3,811
36	21	97.128	7.816,987	105.097,297	13,445	12,975	86	71	21.286	51,751	209,037	4,039	3,569
37	22	96.994	7.278,557	97.280,310	13,365	12,895	87	72	18.167	41,182	157,286	3,819	3,349
38	23	96.851	6.776,499	90.001,752	13,281	12,812	88	73	15.160	32,044	116,104	3,623	3,153
39	24	96.692	6.308,062	83.225,253	13,193	12,724	89	74	12.393	24,425	84,061	3,442	2,972
40	25	96.517	5.870,982	76.917,192	13,101	12,631	90	75	9.934	18,254	59,636	3,267	2,797
41	26	96.327	5.463,337	71.046,210	13,004	12,534	91	76	7.799	13,362	41,382	3,097	2,627
42	27	96.117	5.082,920	65.582,873	12,903	12,433	92	77	5.962	9,525	28,020	2,942	2,472
43	28	95.877	4.727,488	60.499,953	12,797	12,328	93	78	4.442	6,617	18,495	2,795	2,325
44	29	95.611	4.395,697	55.772,465	12,688	12,218	94	79	3.218	4,469	11,878	2,658	2,188
45	30	95.327	4.086,360	51.376,767	12,573	12,103	95	80	2.263	2,931	7,409	2,528	2,058
46	31	95.002	3.797,158	47.290,407	12,454	11,984	96	81	1.540	1,860	4,478	2,408	1,938
47	32	94.646	3.527,196	43.493,249	12,331	11,861	97	82	1.013	1,140	2,619	2,296	1,826
48	33	94.258	3.275,270	39.966,053	12,202	11,732	98	83	642	0,673	1,478	2,195	1,725
49	34	93.836	3.040,182	36.690,783	12,069	11,599	99	84	392	0,383	0,805	2,100	1,630
							100	85	230	0,210	0,421	2,011	1,541

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 16 Jahre

Zinsfuß 7,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	34	93.414	2.821,946	33.710,883	11,946	11,476
1							51	35	92.908	2.616,919	30.888,938	11,804	11,334
2							52	36	92.379	2.426,134	28.272,019	11,653	11,183
3							53	37	91.786	2.247,591	25.845,885	11,499	11,029
4							54	38	91.153	2.081,206	23.598,295	11,339	10,869
5							55	39	90.470	1.925,994	21.517,089	11,172	10,702
6							56	40	89.721	1.780,930	19.591,094	11,000	10,531
7							57	41	88.941	1.646,103	17.810,164	10,820	10,350
8							58	42	88.085	1.520,044	16.164,061	10,634	10,164
9							59	43	87.147	1.402,204	14.644,018	10,444	9,974
10							60	44	86.119	1.291,995	13.241,813	10,249	9,779
11							61	45	85.031	1.189,437	11.949,818	10,047	9,577
12							62	46	83.876	1.093,973	10.760,381	9,836	9,366
13							63	47	82.598	1.004,475	9.666,408	9,623	9,153
14							64	48	81.246	921,244	8.661,933	9,402	8,933
15							65	49	79.794	843,621	7.740,688	9,176	8,706
16	0	99.302	32.404,227	462.935,942	14,286	13,816	66	50	78.208	770,957	6.897,068	8,946	8,476
17	1	98.887	30.087,484	430.531,715	14,309	13,839	67	51	76.518	703,305	6.126,111	8,710	8,241
18	2	98.802	28.029,337	400.444,231	14,287	13,817	68	52	74.671	639,933	5.422,806	8,474	8,004
19	3	98.707	26.109,593	372.414,894	14,264	13,794	69	53	72.685	580,808	4.782,872	8,235	7,765
20	4	98.611	24.320,827	346.305,301	14,239	13,769	70	54	70.590	525,934	4.202,064	7,990	7,520
21	5	98.523	22.656,594	321.984,474	14,212	13,742	71	55	68.338	474,740	3.676,130	7,743	7,274
22	6	98.433	21.105,706	299.327,880	14,182	13,712	72	56	65.936	427,085	3.201,390	7,496	7,026
23	7	98.350	19.662,331	278.222,173	14,150	13,680	73	57	63.359	382,653	2.774,305	7,250	6,780
24	8	98.268	18.317,992	258.559,842	14,115	13,645	74	58	60.630	341,418	2.391,652	7,005	6,535
25	9	98.187	17.065,682	240.241,850	14,077	13,608	75	59	57.776	303,355	2.050,235	6,759	6,289
26	10	98.109	15.899,391	223.176,169	14,037	13,567	76	60	54.825	268,399	1.746,880	6,509	6,039
27	11	98.031	14.812,759	207.276,778	13,993	13,523	77	61	51.803	236,463	1.478,481	6,252	5,783
28	12	97.952	13.800,259	192.464,019	13,946	13,477	78	62	48.692	207,237	1.242,018	5,993	5,523
29	13	97.871	12.856,824	178.663,760	13,896	13,427	79	63	45.448	180,356	1.034,781	5,737	5,268
30	14	97.793	11.978,123	165.806,935	13,842	13,373	80	64	42.133	155,898	854,424	5,481	5,011
31	15	97.710	11.158,953	153.828,813	13,785	13,315	81	65	38.717	133,573	698,526	5,230	4,760
32	16	97.616	10.394,545	142.669,859	13,725	13,256	82	66	35.248	113,384	564,953	4,983	4,513
33	17	97.515	9.681,892	132.275,315	13,662	13,192	83	67	31.650	94,929	451,569	4,757	4,287
34	18	97.408	9.017,502	122.593,423	13,595	13,125	84	68	28.136	78,685	356,641	4,533	4,063
35	19	97.287	8.397,481	113.575,921	13,525	13,055	85	69	24.747	64,529	277,956	4,307	3,838
36	20	97.158	7.819,457	105.178,440	13,451	12,981	86	70	21.592	52,497	213,427	4,065	3,596
37	21	97.018	7.280,339	97.358,983	13,373	12,903	87	71	18.466	41,861	160,930	3,844	3,375
38	22	96.877	6.778,335	90.078,644	13,289	12,819	88	72	15.438	32,632	119,069	3,649	3,179
39	23	96.717	6.309,708	83.300,310	13,202	12,732	89	73	12.651	24,933	86,437	3,467	2,997
40	24	96.543	5.872,577	76.990,602	13,110	12,640	90	74	10.165	18,679	61,504	3,293	2,823
41	25	96.351	5.464,681	71.118,025	13,014	12,544	91	75	8.006	13,718	42,825	3,122	2,652
42	26	96.144	5.084,343	65.653,343	12,913	12,443	92	76	6.140	9,809	29,108	2,967	2,498
43	27	95.905	4.728,866	60.569,000	12,808	12,338	93	77	4.591	6,839	19,299	2,822	2,352
44	28	95.640	4.397,003	55.840,133	12,700	12,230	94	78	3.342	4,641	12,460	2,684	2,214
45	29	95.355	4.087,557	51.443,131	12,585	12,115	95	79	2.362	3,059	7,818	2,556	2,086
46	30	95.034	3.798,402	47.355,574	12,467	11,997	96	80	1.619	1,955	4,759	2,434	1,964
47	31	94.680	3.528,457	43.557,172	12,345	11,875	97	81	1.073	1,208	2,804	2,322	1,852
48	32	94.291	3.276,435	40.028,715	12,217	11,747	98	82	686	0,720	1,596	2,217	1,747
49	33	93.873	3.041,397	36.752,281	12,084	11,614	99	83	422	0,413	0,876	2,122	1,652
							100	84	250	0,228	0,463	2,033	1,563

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 17 Jahre

Zinsfuß 7,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	33	93.452	2.823,074	33.765,849	11,961	11,491
1							51	34	92.951	2.618,146	30.942,775	11,819	11,349
2							52	35	92.427	2.427,376	28.324,629	11,669	11,199
3							53	36	91.837	2.248,862	25.897,253	11,516	11,046
4							54	37	91.209	2.082,483	23.648,391	11,356	10,886
5							55	38	90.534	1.927,342	21.565,907	11,189	10,720
6							56	39	89.793	1.782,356	19.638,565	11,018	10,548
7							57	40	89.019	1.647,537	17.856,209	10,838	10,368
8							58	41	88.172	1.521,548	16.208,672	10,653	10,183
9							59	42	87.245	1.403,783	14.687,125	10,463	9,993
10							60	43	86.231	1.293,674	13.283,341	10,268	9,798
11							61	44	85.149	1.191,095	11.989,667	10,066	9,596
12							62	45	84.010	1.095,711	10.798,572	9,855	9,385
13							63	46	82.747	1.006,282	9.702,861	9,642	9,172
14							64	47	81.404	923,039	8.696,578	9,422	8,952
15							65	48	79.964	845,413	7.773,539	9,195	8,725
16							66	49	78.397	772,817	6.928,126	8,965	8,495
17	0	99.264	30.202,160	430.767,343	14,263	13,793	67	50	76.712	705,086	6.155,309	8,730	8,260
18	1	98.837	28.039,379	400.565,183	14,286	13,816	68	51	74.879	641,716	5.450,223	8,493	8,023
19	2	98.727	26.114,757	372.525,804	14,265	13,795	69	52	72.906	582,569	4.808,507	8,254	7,784
20	3	98.628	24.325,002	346.411,048	14,241	13,771	70	53	70.813	527,600	4.225,938	8,010	7,540
21	4	98.536	22.659,521	322.086,046	14,214	13,744	71	54	68.577	476,397	3.698,338	7,763	7,293
22	5	98.446	21.108,466	299.426,525	14,185	13,715	72	55	66.186	428,709	3.221,941	7,515	7,046
23	6	98.359	19.664,143	278.318,059	14,154	13,684	73	56	63.614	384,195	2.793,233	7,270	6,800
24	7	98.277	18.319,587	258.653,916	14,119	13,649	74	57	60.902	342,948	2.409,037	7,024	6,555
25	8	98.197	17.067,320	240.334,329	14,082	13,612	75	58	58.056	304,823	2.066,089	6,778	6,308
26	9	98.116	15.900,418	223.267,009	14,042	13,572	76	59	55.105	269,771	1.761,266	6,529	6,059
27	10	98.039	14.814,005	207.366,590	13,998	13,528	77	60	52.090	237,771	1.491,496	6,273	5,803
28	11	97.961	13.801,553	192.552,586	13,952	13,482	78	61	48.967	208,410	1.253,724	6,016	5,546
29	12	97.880	12.857,916	178.751,032	13,902	13,432	79	62	45.736	181,499	1.045,314	5,759	5,289
30	13	97.802	11.979,283	165.893,116	13,848	13,378	80	63	42.422	156,966	863,816	5,503	5,033
31	14	97.722	11.160,254	153.913,833	13,791	13,321	81	64	39.002	134,557	706,850	5,253	4,783
32	15	97.633	10.396,402	142.753,579	13,731	13,261	82	65	35.538	114,318	572,293	5,006	4,536
33	16	97.536	9.683,943	132.357,177	13,668	13,198	83	66	31.939	95,796	457,975	4,781	4,311
34	17	97.429	9.019,486	122.673,234	13,601	13,131	84	67	28.425	79,493	362,179	4,556	4,086
35	18	97.315	8.399,897	113.653,748	13,530	13,060	85	68	25.034	65,276	282,686	4,331	3,861
36	19	97.185	7.821,625	105.253,851	13,457	12,987	86	69	21.872	53,175	217,410	4,089	3,619
37	20	97.049	7.282,639	97.432,226	13,379	12,909	87	70	18.732	42,464	164,235	3,868	3,398
38	21	96.901	6.779,993	90.149,587	13,296	12,827	88	71	15.693	33,170	121,771	3,671	3,201
39	22	96.743	6.311,417	83.369,593	13,209	12,739	89	72	12.883	25,390	88,601	3,490	3,020
40	23	96.568	5.874,110	77.058,177	13,118	12,648	90	73	10.376	19,067	63,211	3,315	2,845
41	24	96.377	5.466,166	71.184,067	13,023	12,553	91	74	8.193	14,037	44,143	3,145	2,675
42	25	96.168	5.085,595	65.717,900	12,922	12,452	92	75	6.303	10,070	30,106	2,990	2,520
43	26	95.932	4.730,191	60.632,306	12,818	12,348	93	76	4.728	7,043	20,036	2,845	2,375
44	27	95.668	4.398,284	55.902,115	12,710	12,240	94	77	3.454	4,798	12,993	2,708	2,238
45	28	95.383	4.088,770	51.503,831	12,596	12,127	95	78	2.453	3,177	8,195	2,580	2,110
46	29	95.061	3.799,514	47.415,060	12,479	12,009	96	79	1.690	2,041	5,018	2,459	1,989
47	30	94.711	3.529,612	43.615,546	12,357	11,887	97	80	1.128	1,270	2,977	2,345	1,875
48	31	94.325	3.277,606	40.085,934	12,230	11,760	98	81	726	0,762	1,708	2,240	1,770
49	32	93.906	3.042,479	36.808,328	12,098	11,628	99	82	451	0,441	0,945	2,142	1,672
							100	83	269	0,245	0,504	2,053	1,583

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 18 Jahre

Zinsfuß 7,25%

Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	32	93.485	2.824,078	33.815,934	11,974	11,504
1							51	33	92.989	2.619,193	30.991,856	11,833	11,363
2							52	34	92.470	2.428,515	28.372,663	11,683	11,213
3							53	35	91.884	2.250,014	25.944,148	11,531	11,061
4							54	36	91.260	2.083,661	23.694,134	11,371	10,901
5							55	37	90.589	1.928,525	21.610,473	11,206	10,736
6							56	38	89.856	1.783,604	19.681,948	11,035	10,565
7							57	39	89.090	1.648,856	17.898,344	10,855	10,385
8							58	40	88.248	1.522,873	16.249,488	10,670	10,200
9							59	41	87.331	1.405,172	14.726,615	10,480	10,010
10							60	42	86.328	1.295,131	13.321,443	10,286	9,816
11							61	43	85.260	1.192,643	12.026,312	10,084	9,614
12							62	44	84.127	1.097,239	10.833,669	9,874	9,404
13							63	45	82.878	1.007,881	9.736,431	9,660	9,190
14							64	46	81.551	924,700	8.728,550	9,439	8,969
15							65	47	80.120	847,060	7.803,850	9,213	8,743
16							66	48	78.563	774,459	6.956,790	8,983	8,513
17							67	49	76.897	706,787	6.182,331	8,747	8,277
18	0	99.214	28.146,248	400.782,582	14,239	13,769	68	50	75.069	643,341	5.475,543	8,511	8,041
19	1	98.762	26.124,113	372.636,334	14,264	13,794	69	51	73.109	584,192	4.832,202	8,272	7,802
20	2	98.647	24.329,812	346.512,221	14,242	13,772	70	52	71.028	529,200	4.248,010	8,027	7,557
21	3	98.553	22.663,411	322.182,409	14,216	13,746	71	53	68.794	477,906	3.718,810	7,781	7,312
22	4	98.459	21.111,192	299.518,998	14,188	13,718	72	54	66.417	430,205	3.240,905	7,533	7,064
23	5	98.372	19.666,714	278.407,806	14,156	13,686	73	55	63.856	385,656	2.810,700	7,288	6,818
24	6	98.286	18.321,275	258.741,092	14,122	13,653	74	56	61.147	344,331	2.425,044	7,043	6,573
25	7	98.205	17.068,806	240.419,816	14,085	13,615	75	57	58.316	306,189	2.080,714	6,796	6,326
26	8	98.125	15.901,945	223.351,010	14,046	13,576	76	58	55.371	271,076	1.774,524	6,546	6,076
27	9	98.046	14.814,962	207.449,065	14,003	13,533	77	59	52.356	238,986	1.503,448	6,291	5,821
28	10	97.969	13.802,714	192.634,103	13,956	13,486	78	60	49.239	209,563	1.264,462	6,034	5,564
29	11	97.889	12.859,122	178.831,389	13,907	13,437	79	61	45.995	182,526	1.054,898	5,779	5,310
30	12	97.811	11.980,301	165.972,267	13,854	13,384	80	62	42.690	157,960	872,372	5,523	5,053
31	13	97.731	11.161,335	153.991,966	13,797	13,327	81	63	39.269	135,478	714,413	5,273	4,803
32	14	97.644	10.397,614	142.830,631	13,737	13,267	82	64	35.800	115,160	578,934	5,027	4,557
33	15	97.553	9.685,673	132.433,017	13,673	13,203	83	65	32.202	96,585	463,774	4,802	4,332
34	16	97.450	9.021,397	122.747,344	13,606	13,136	84	66	28.685	80,219	367,189	4,577	4,107
35	17	97.336	8.401,745	113.725,947	13,536	13,066	85	67	25.291	65,946	286,970	4,352	3,882
36	18	97.213	7.823,875	105.324,201	13,462	12,992	86	68	22.125	53,791	221,024	4,109	3,639
37	19	97.075	7.284,658	97.500,326	13,384	12,914	87	69	18.974	43,013	167,233	3,888	3,418
38	20	96.931	6.782,136	90.215,668	13,302	12,832	88	70	15.919	33,648	124,220	3,692	3,222
39	21	96.767	6.312,961	83.433,532	13,216	12,746	89	71	13.096	25,809	90,572	3,509	3,039
40	22	96.594	5.875,701	77.120,571	13,125	12,655	90	72	10.567	19,418	64,763	3,335	2,865
41	23	96.402	5.467,593	71.244,870	13,030	12,560	91	73	8.363	14,329	45,346	3,165	2,695
42	24	96.194	5.086,977	65.777,277	12,931	12,461	92	74	6.450	10,305	31,017	3,010	2,540
43	25	95.955	4.731,355	60.690,301	12,827	12,357	93	75	4.854	7,231	20,712	2,865	2,395
44	26	95.694	4.399,516	55.958,946	12,719	12,249	94	76	3.557	4,941	13,482	2,729	2,259
45	27	95.411	4.089,962	51.559,430	12,606	12,136	95	77	2.536	3,284	8,541	2,601	2,131
46	28	95.090	3.800,642	47.469,467	12,490	12,020	96	78	1.755	2,119	5,257	2,481	2,011
47	29	94.739	3.530,646	43.668,825	12,369	11,899	97	79	1.177	1,325	3,138	2,368	1,898
48	30	94.356	3.278,679	40.138,179	12,242	11,772	98	80	764	0,801	1,813	2,261	1,792
49	31	93.940	3.043,566	36.859,500	12,111	11,641	99	81	478	0,467	1,011	2,163	1,693
							100	82	288	0,262	0,544	2,071	1,601

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 19 Jahre

Zinsfuß 7,25%

Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	31	93.518	2.825,087	33.861,656	11,986	11,516
1							51	32	93.022	2.620,125	31.036,569	11,845	11,376
2							52	33	92.507	2.429,486	28.416,444	11,696	11,227
3							53	34	91.928	2.251,069	25.986,958	11,544	11,074
4							54	35	91.307	2.084,729	23.735,889	11,386	10,916
5							55	36	90.641	1.929,616	21.651,160	11,220	10,751
6							56	37	89.911	1.784,698	19.721,544	11,050	10,580
7							57	38	89.152	1.650,010	17.936,846	10,871	10,401
8							58	39	88.319	1.524,092	16.286,836	10,686	10,216
9							59	40	87.407	1.406,396	14.762,743	10,497	10,027
10							60	41	86.413	1.296,412	13.356,348	10,303	9,833
11							61	42	85.356	1.193,986	12.059,935	10,101	9,631
12							62	43	84.236	1.098,665	10.865,949	9,890	9,420
13							63	44	82.994	1.009,286	9.767,285	9,677	9,208
14							64	45	81.680	926,169	8.757,999	9,456	8,986
15							65	46	80.264	848,584	7.831,830	9,229	8,759
16							66	47	78.716	775,968	6.983,246	8,999	8,530
17							67	48	77.060	708,289	6.207,278	8,764	8,294
18							68	49	75.250	644,893	5.498,989	8,527	8,057
19	0	99.139	26.223,682	372.836,903	14,218	13,748	69	50	73.294	585,671	4.854,096	8,288	7,818
20	1	98.683	24.338,529	346.613,221	14,241	13,771	70	51	71.226	530,674	4.268,424	8,043	7,574
21	2	98.572	22.667,893	322.274,692	14,217	13,747	71	52	69.003	479,355	3.737,751	7,797	7,328
22	3	98.475	21.114,817	299.606,799	14,189	13,720	72	53	66.628	431,568	3.258,396	7,550	7,080
23	4	98.384	19.669,254	278.491,982	14,159	13,689	73	54	64.079	387,002	2.826,828	7,304	6,835
24	5	98.299	18.323,671	258.822,728	14,125	13,655	74	55	61.380	345,639	2.439,826	7,059	6,589
25	6	98.215	17.070,379	240.499,057	14,089	13,619	75	56	58.551	307,424	2.094,187	6,812	6,342
26	7	98.134	15.903,330	223.428,678	14,049	13,579	76	57	55.620	272,291	1.786,763	6,562	6,092
27	8	98.055	14.816,384	207.525,348	14,006	13,537	77	58	52.609	240,143	1.514,472	6,307	5,837
28	9	97.975	13.803,606	192.708,963	13,961	13,491	78	59	49.490	210,634	1.274,329	6,050	5,580
29	10	97.897	12.860,204	178.905,357	13,912	13,442	79	60	46.250	183,536	1.063,695	5,796	5,326
30	11	97.820	11.981,425	166.045,154	13,859	13,389	80	61	42.932	158,854	880,159	5,541	5,071
31	12	97.739	11.162,283	154.063,729	13,802	13,332	81	62	39.518	136,336	721,305	5,291	4,821
32	13	97.654	10.398,621	142.901,446	13,742	13,272	82	63	36.045	115,949	584,969	5,045	4,575
33	14	97.564	9.686,802	132.502,825	13,679	13,209	83	64	32.439	97,297	469,020	4,821	4,351
34	15	97.467	9.023,009	122.816,023	13,611	13,142	84	65	28.921	80,880	371,724	4,596	4,126
35	16	97.357	8.403,525	113.793,014	13,541	13,071	85	66	25.522	66,549	290,844	4,370	3,900
36	17	97.234	7.825,597	105.389,489	13,467	12,997	86	67	22.352	54,343	224,295	4,127	3,657
37	18	97.103	7.286,754	97.563,892	13,389	12,919	87	68	19.194	43,511	169,952	3,906	3,436
38	19	96.958	6.784,016	90.277,138	13,307	12,837	88	69	16.125	34,083	126,441	3,710	3,240
39	20	96.798	6.314,956	83.493,122	13,221	12,752	89	70	13.285	26,181	92,358	3,528	3,058
40	21	96.618	5.877,139	77.178,166	13,132	12,662	90	71	10.741	19,738	66,177	3,353	2,883
41	22	96.428	5.469,074	71.301,027	13,037	12,567	91	72	8.517	14,592	46,440	3,182	2,713
42	23	96.219	5.088,304	65.831,954	12,938	12,468	92	73	6.584	10,519	31,847	3,028	2,558
43	24	95.981	4.732,641	60.743,649	12,835	12,365	93	74	4.967	7,399	21,329	2,883	2,413
44	25	95.718	4.400,599	56.011,009	12,728	12,258	94	75	3.652	5,072	13,930	2,746	2,276
45	26	95.438	4.091,108	51.610,410	12,615	12,145	95	76	2.611	3,382	8,858	2,619	2,149
46	27	95.117	3.801,750	47.519,302	12,499	12,029	96	77	1.814	2,191	5,476	2,500	2,030
47	28	94.767	3.531,694	43.717,552	12,379	11,909	97	78	1.222	1,376	3,285	2,387	1,917
48	29	94.384	3.279,639	40.185,858	12,253	11,783	98	79	797	0,837	1,909	2,282	1,812
49	30	93.971	3.044,563	36.906,219	12,122	11,652	99	80	502	0,491	1,072	2,182	1,712
							100	81	305	0,278	0,581	2,090	1,620

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 20 Jahre

Zinsfuß 7,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	30	93.549	2.826,012	33.903,392	11,997	11,527
1							51	31	93.055	2.621,061	31.077,380	11,857	11,387
2							52	32	92.540	2.430,350	28.456,319	11,709	11,239
3							53	33	91.964	2.251,969	26.025,969	11,557	11,087
4							54	34	91.350	2.085,706	23.774,000	11,399	10,929
5							55	35	90.687	1.930,604	21.688,293	11,234	10,764
6							56	36	89.962	1.785,708	19.757,689	11,064	10,594
7							57	37	89.207	1.651,023	17.971,981	10,885	10,415
8							58	38	88.381	1.525,159	16.320,958	10,701	10,231
9							59	39	87.477	1.407,522	14.795,799	10,512	10,042
10							60	40	86.489	1.297,541	13.388,277	10,318	9,848
11							61	41	85.441	1.195,167	12.090,735	10,116	9,646
12							62	42	84.331	1.099,902	10.895,568	9,906	9,436
13							63	43	83.101	1.010,598	9.795,666	9,693	9,223
14							64	44	81.794	927,460	8.785,069	9,472	9,002
15							65	45	80.391	849,932	7.857,609	9,245	8,775
16							66	46	78.858	777,364	7.007,677	9,015	8,545
17							67	47	77.210	709,669	6.230,313	8,779	8,309
18							68	48	75.409	646,263	5.520,644	8,542	8,073
19							69	49	73.471	587,084	4.874,381	8,303	7,833
20	0	99.059	24.431,293	346.798,269	14,195	13,725	70	50	71.406	532,018	4.287,296	8,059	7,589
21	1	98.608	22.676,014	322.366,976	14,216	13,746	71	51	69.195	480,690	3.755,278	7,812	7,342
22	2	98.495	21.118,992	299.690,962	14,191	13,721	72	52	66.830	432,876	3.274,588	7,565	7,095
23	3	98.401	19.672,631	278.571,970	14,160	13,690	73	53	64.282	388,228	2.841,712	7,320	6,850
24	4	98.311	18.326,038	258.899,339	14,127	13,658	74	54	61.594	346,846	2.453,484	7,074	6,604
25	5	98.227	17.072,611	240.573,301	14,091	13,621	75	55	58.774	308,592	2.106,638	6,827	6,357
26	6	98.143	15.904,795	223.500,690	14,052	13,583	76	56	55.844	273,389	1.798,046	6,577	6,107
27	7	98.063	14.817,675	207.595,895	14,010	13,540	77	57	52.845	241,219	1.524,657	6,321	5,851
28	8	97.985	13.804,931	192.778,220	13,964	13,495	78	58	49.730	211,653	1.283,438	6,064	5,594
29	9	97.903	12.861,035	178.973,289	13,916	13,446	79	59	46.486	184,474	1.071,784	5,810	5,340
30	10	97.828	11.982,432	166.112,254	13,863	13,393	80	60	43.170	159,733	887,311	5,555	5,085
31	11	97.748	11.163,330	154.129,822	13,807	13,337	81	61	39.741	137,108	727,578	5,307	4,837
32	12	97.662	10.399,504	142.966,492	13,747	13,278	82	62	36.273	116,683	590,470	5,060	4,591
33	13	97.574	9.687,741	132.566,988	13,684	13,214	83	63	32.662	97,963	473,787	4,836	4,366
34	14	97.479	9.024,060	122.879,247	13,617	13,147	84	64	29.134	81,476	375,824	4,613	4,143
35	15	97.374	8.405,027	113.855,186	13,546	13,076	85	65	25.732	67,097	294,348	4,387	3,917
36	16	97.255	7.827,255	105.450,160	13,472	13,002	86	66	22.556	54,840	227,251	4,144	3,674
37	17	97.125	7.288,357	97.622,905	13,394	12,924	87	67	19.391	43,958	172,412	3,922	3,452
38	18	96.986	6.785,968	90.334,547	13,312	12,842	88	68	16.311	34,477	128,454	3,726	3,256
39	19	96.825	6.316,707	83.548,580	13,227	12,757	89	69	13.456	26,519	93,977	3,544	3,074
40	20	96.649	5.878,996	77.231,873	13,137	12,667	90	70	10.896	20,022	67,458	3,369	2,899
41	21	96.452	5.470,412	71.352,877	13,043	12,574	91	71	8.657	14,833	47,436	3,198	2,728
42	22	96.245	5.089,682	65.882,465	12,944	12,474	92	72	6.705	10,712	32,603	3,044	2,574
43	23	96.007	4.733,876	60.792,783	12,842	12,372	93	73	5.071	7,553	21,891	2,898	2,428
44	24	95.744	4.401,795	56.058,907	12,735	12,266	94	74	3.737	5,190	14,338	2,763	2,293
45	25	95.461	4.092,114	51.657,112	12,624	12,154	95	75	2.681	3,472	9,148	2,635	2,165
46	26	95.144	3.802,815	47.564,998	12,508	12,038	96	76	1.868	2,256	5,676	2,516	2,046
47	27	94.794	3.532,724	43.762,183	12,388	11,918	97	77	1.264	1,423	3,420	2,404	1,934
48	28	94.412	3.280,613	40.229,459	12,263	11,793	98	78	828	0,869	1,998	2,299	1,829
49	29	93.998	3.045,455	36.948,846	12,132	11,663	99	79	524	0,513	1,129	2,201	1,731
							100	80	320	0,292	0,616	2,108	1,638

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 21 Jahre

Zinsfuß 7,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	29	93.576	2.826,840	33.941,466	12,007	11,537
1							51	30	93.085	2.621,919	31.114,626	11,867	11,397
2							52	31	92.573	2.431,218	28.492,707	11,720	11,250
3							53	32	91.997	2.252,770	26.061,489	11,569	11,099
4							54	33	91.386	2.086,540	23.808,718	11,411	10,941
5							55	34	90.729	1.931,510	21.722,178	11,246	10,776
6							56	35	90.008	1.786,623	19.790,668	11,077	10,607
7							57	36	89.258	1.651,957	18.004,045	10,899	10,429
8							58	37	88.435	1.526,095	16.352,088	10,715	10,245
9							59	38	87.539	1.408,507	14.825,994	10,526	10,056
10							60	39	86.558	1.298,580	13.417,486	10,332	9,863
11							61	40	85.515	1.196,208	12.118,906	10,131	9,661
12							62	41	84.414	1.100,990	10.922,698	9,921	9,451
13							63	42	83.195	1.011,735	9.821,708	9,708	9,238
14							64	43	81.900	928,665	8.809,972	9,487	9,017
15							65	44	80.503	851,117	7.881,307	9,260	8,790
16							66	45	78.983	778,599	7.030,190	9,029	8,559
17							67	46	77.349	710,946	6.251,591	8,793	8,323
18							68	47	75.556	647,522	5.540,645	8,557	8,087
19							69	48	73.627	588,332	4.893,123	8,317	7,847
20							70	49	71.579	533,302	4.304,791	8,072	7,602
21	0	98.983	22.762,442	322.537,719	14,170	13,700	71	50	69.370	481,908	3.771,490	7,826	7,356
22	1	98.530	21.126,559	299.775,278	14,189	13,720	72	51	67.016	434,082	3.289,582	7,578	7,108
23	2	98.421	19.676,522	278.648,719	14,161	13,692	73	52	64.477	389,405	2.855,500	7,333	6,863
24	3	98.328	18.329,184	258.972,197	14,129	13,659	74	53	61.789	347,945	2.466,095	7,088	6,618
25	4	98.240	17.074,816	240.643,014	14,093	13,624	75	54	58.979	309,669	2.118,151	6,840	6,370
26	5	98.156	15.906,875	223.568,197	14,055	13,585	76	55	56.056	274,428	1.808,482	6,590	6,120
27	6	98.072	14.819,040	207.661,322	14,013	13,543	77	56	53.058	242,192	1.534,054	6,334	5,864
28	7	97.993	13.806,133	192.842,282	13,968	13,498	78	57	49.953	212,602	1.291,862	6,076	5,607
29	8	97.913	12.862,269	179.036,149	13,919	13,450	79	58	46.711	185,366	1.079,259	5,822	5,352
30	9	97.835	11.983,206	166.173,879	13,867	13,397	80	59	43.390	160,549	893,893	5,568	5,098
31	10	97.757	11.164,269	154.190,673	13,811	13,341	81	60	39.961	137,867	733,344	5,319	4,849
32	11	97.671	10.400,480	143.026,404	13,752	13,282	82	61	36.478	117,343	595,477	5,075	4,605
33	12	97.582	9.688,564	132.625,924	13,689	13,219	83	62	32.868	98,583	478,134	4,850	4,380
34	13	97.488	9.024,935	122.937,361	13,622	13,152	84	63	29.334	82,034	379,551	4,627	4,157
35	14	97.386	8.406,006	113.912,426	13,551	13,081	85	64	25.922	67,591	297,517	4,402	3,932
36	15	97.272	7.828,654	105.506,419	13,477	13,007	86	65	22.742	55,291	229,926	4,158	3,689
37	16	97.145	7.289,901	97.677,766	13,399	12,929	87	66	19.568	44,359	174,634	3,937	3,467
38	17	97.007	6.787,461	90.387,865	13,317	12,847	88	67	16.479	34,831	130,275	3,740	3,270
39	18	96.852	6.318,524	83.600,404	13,231	12,761	89	68	13.612	26,826	95,444	3,558	3,088
40	19	96.675	5.880,626	77.281,880	13,142	12,672	90	69	11.037	20,281	68,618	3,383	2,913
41	20	96.482	5.472,141	71.401,254	13,048	12,578	91	70	8.782	15,047	48,337	3,212	2,743
42	21	96.268	5.090,928	65.929,113	12,950	12,480	92	71	6.816	10,888	33,290	3,057	2,588
43	22	96.033	4.735,158	60.838,186	12,848	12,378	93	72	5.164	7,691	22,402	2,913	2,443
44	23	95.769	4.402,944	56.103,028	12,742	12,272	94	73	3.815	5,298	14,710	2,777	2,307
45	24	95.487	4.093,227	51.700,084	12,631	12,161	95	74	2.743	3,553	9,412	2,649	2,180
46	25	95.167	3.803,751	47.606,858	12,516	12,046	96	75	1.918	2,316	5,860	2,530	2,060
47	26	94.821	3.533,713	43.803,107	12,396	11,926	97	76	1.301	1,465	3,544	2,419	1,949
48	27	94.439	3.281,569	40.269,394	12,271	11,801	98	77	856	0,898	2,079	2,315	1,845
49	28	94.026	3.046,359	36.987,825	12,142	11,672	99	78	544	0,533	1,181	2,216	1,746
							100	79	334	0,305	0,648	2,124	1,654

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 22 Jahre

Zinsfuß 7,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	28	93.604	2.827,679	33.976,276	12,016	11,546
1							51	29	93.113	2.622,687	31.148,597	11,877	11,407
2							52	30	92.603	2.432,015	28.525,910	11,729	11,259
3							53	31	92.030	2.253,575	26.093,895	11,579	11,109
4							54	32	91.419	2.087,282	23.840,320	11,422	10,952
5							55	33	90.766	1.932,282	21.753,037	11,258	10,788
6							56	34	90.050	1.787,461	19.820,755	11,089	10,619
7							57	35	89.303	1.652,803	18.033,294	10,911	10,441
8							58	36	88.485	1.526,958	16.380,491	10,728	10,258
9							59	37	87.592	1.409,372	14.853,533	10,539	10,069
10							60	38	86.619	1.299,489	13.444,161	10,346	9,876
11							61	39	85.583	1.197,166	12.144,672	10,145	9,675
12							62	40	84.488	1.101,949	10.947,506	9,935	9,465
13							63	41	83.277	1.012,737	9.845,557	9,722	9,252
14							64	42	81.993	929,711	8.832,821	9,501	9,031
15							65	43	80.608	852,223	7.903,110	9,274	8,804
16							66	44	79.093	779,684	7.050,887	9,043	8,573
17							67	45	77.472	712,075	6.271,203	8,807	8,337
18							68	46	75.692	648,687	5.559,127	8,570	8,100
19							69	47	73.770	589,478	4.910,440	8,330	7,860
20							70	48	71.731	534,435	4.320,962	8,085	7,615
21							71	49	69.537	483,070	3.786,527	7,838	7,369
22	0	98.906	21.207,080	299.932,826	14,143	13,673	72	50	67.186	435,181	3.303,457	7,591	7,121
23	1	98.456	19.683,571	278.725,746	14,160	13,690	73	51	64.657	390,489	2.868,276	7,345	6,875
24	2	98.348	18.332,808	259.042,175	14,130	13,660	74	52	61.976	349,000	2.477,786	7,100	6,630
25	3	98.257	17.077,748	240.709,366	14,095	13,625	75	53	59.166	310,650	2.128,787	6,853	6,383
26	4	98.168	15.908,929	223.631,619	14,057	13,587	76	54	56.252	275,386	1.818,137	6,602	6,132
27	5	98.085	14.820,978	207.722,689	14,015	13,546	77	55	53.260	243,112	1.542,751	6,346	5,876
28	6	98.002	13.807,406	192.901,711	13,971	13,501	78	56	50.154	213,459	1.299,638	6,088	5,619
29	7	97.921	12.863,390	179.094,306	13,923	13,453	79	57	46.920	186,197	1.086,179	5,833	5,364
30	8	97.844	11.984,357	166.230,916	13,871	13,401	80	58	43.600	161,326	899,981	5,579	5,109
31	9	97.763	11.164,990	154.246,559	13,815	13,345	81	59	40.166	138,571	738,655	5,331	4,861
32	10	97.680	10.401,354	143.081,569	13,756	13,286	82	60	36.680	117,993	600,084	5,086	4,616
33	11	97.591	9.689,472	132.680,214	13,693	13,223	83	61	33.054	99,141	482,092	4,863	4,393
34	12	97.497	9.025,701	122.990,742	13,627	13,157	84	62	29.519	82,553	382,950	4,639	4,169
35	13	97.395	8.406,821	113.965,041	13,556	13,086	85	63	26.099	68,054	300,397	4,414	3,944
36	14	97.284	7.829,566	105.558,220	13,482	13,012	86	64	22.909	55,699	232,343	4,171	3,702
37	15	97.163	7.291,204	97.728,654	13,404	12,934	87	65	19.729	44,725	176,645	3,950	3,480
38	16	97.028	6.788,899	90.437,450	13,321	12,851	88	66	16.630	35,149	131,920	3,753	3,283
39	17	96.874	6.319,914	83.648,551	13,236	12,766	89	67	13.752	27,102	96,771	3,571	3,101
40	18	96.703	5.882,317	77.328,637	13,146	12,676	90	68	11.165	20,516	69,669	3,396	2,926
41	19	96.509	5.473,658	71.446,319	13,053	12,583	91	69	8.896	15,241	49,153	3,225	2,755
42	20	96.299	5.092,536	65.972,661	12,955	12,485	92	70	6.914	11,045	33,912	3,070	2,600
43	21	96.056	4.736,317	60.880,125	12,854	12,384	93	71	5.249	7,818	22,867	2,925	2,455
44	22	95.795	4.404,136	56.143,809	12,748	12,278	94	72	3.885	5,395	15,049	2,789	2,319
45	23	95.512	4.094,295	51.739,673	12,637	12,167	95	73	2.800	3,627	9,653	2,662	2,192
46	24	95.193	3.804,785	47.645,378	12,522	12,053	96	74	1.963	2,370	6,027	2,543	2,073
47	25	94.844	3.534,583	43.840,593	12,403	11,933	97	75	1.336	1,504	3,657	2,431	1,962
48	26	94.466	3.282,488	40.306,011	12,279	11,809	98	76	881	0,925	2,153	2,328	1,858
49	27	94.054	3.047,247	37.023,522	12,150	11,680	99	77	563	0,551	1,228	2,230	1,760
							100	78	347	0,317	0,677	2,138	1,669

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 23 Jahre

Zinsfuß 7,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	27	93.631	2.828,503	34.008,153	12,023	11,553
1							51	28	93.140	2.623,466	31.179,649	11,885	11,415
2							52	29	92.630	2.432,727	28.556,184	11,738	11,268
3							53	30	92.060	2.254,313	26.123,457	11,588	11,118
4							54	31	91.451	2.088,028	23.869,144	11,431	10,962
5							55	32	90.798	1.932,969	21.781,115	11,268	10,798
6							56	33	90.086	1.788,175	19.848,146	11,100	10,630
7							57	34	89.345	1.653,578	18.059,971	10,922	10,452
8							58	35	88.531	1.527,740	16.406,392	10,739	10,269
9							59	36	87.642	1.410,169	14.878,652	10,551	10,081
10							60	37	86.672	1.300,287	13.468,483	10,358	9,888
11							61	38	85.643	1.198,004	12.168,196	10,157	9,687
12							62	39	84.555	1.102,831	10.970,192	9,947	9,477
13							63	40	83.350	1.013,618	9.867,361	9,735	9,265
14							64	41	82.074	930,631	8.853,742	9,514	9,044
15							65	42	80.699	853,183	7.923,112	9,287	8,817
16							66	43	79.196	780,698	7.069,929	9,056	8,586
17							67	44	77.580	713,068	6.289,231	8,820	8,350
18							68	45	75.813	649,718	5.576,164	8,582	8,113
19							69	46	73.903	590,539	4.926,446	8,342	7,872
20							70	47	71.871	535,476	4.335,907	8,097	7,627
21							71	48	69.685	484,096	3.800,431	7,851	7,381
22							72	49	67.348	436,231	3.316,335	7,602	7,132
23	0	98.831	19.758,593	278.871,129	14,114	13,644	73	50	64.820	391,479	2.880,104	7,357	6,887
24	1	98.383	18.339,377	259.112,536	14,129	13,659	74	51	62.149	349,972	2.488,625	7,111	6,641
25	2	98.276	17.081,125	240.773,159	14,096	13,626	75	52	59.345	311,592	2.138,653	6,864	6,394
26	3	98.185	15.911,661	223.692,034	14,058	13,588	76	53	56.430	276,258	1.827,061	6,614	6,144
27	4	98.098	14.822,892	207.780,374	14,018	13,548	77	54	53.446	243,961	1.550,803	6,357	5,887
28	5	98.015	13.809,211	192.957,481	13,973	13,503	78	55	50.345	214,271	1.306,842	6,099	5,629
29	6	97.930	12.864,575	179.148,271	13,926	13,456	79	56	47.109	186,948	1.092,571	5,844	5,374
30	7	97.852	11.985,401	166.283,696	13,874	13,404	80	57	43.796	162,049	905,623	5,589	5,119
31	8	97.772	11.166,062	154.298,295	13,819	13,349	81	58	40.360	139,242	743,574	5,340	4,870
32	9	97.686	10.402,027	143.132,233	13,760	13,290	82	59	36.868	118,596	604,332	5,096	4,626
33	10	97.599	9.690,287	132.730,206	13,697	13,227	83	60	33.237	99,690	485,737	4,872	4,403
34	11	97.506	9.026,548	123.039,919	13,631	13,161	84	61	29.686	83,020	386,047	4,650	4,180
35	12	97.403	8.407,535	114.013,371	13,561	13,091	85	62	26.264	68,485	303,027	4,425	3,955
36	13	97.293	7.830,325	105.605,836	13,487	13,017	86	63	23.066	56,080	234,542	4,182	3,712
37	14	97.174	7.292,054	97.775,512	13,409	12,939	87	64	19.875	45,054	178,461	3,961	3,491
38	15	97.045	6.790,112	90.483,458	13,326	12,856	88	65	16.766	35,439	133,407	3,764	3,295
39	16	96.894	6.321,253	83.693,346	13,240	12,770	89	66	13.877	27,349	97,968	3,582	3,112
40	17	96.724	5.883,612	77.372,093	13,150	12,681	90	67	11.279	20,726	70,619	3,407	2,937
41	18	96.537	5.475,233	71.488,481	13,057	12,587	91	68	8.998	15,417	49,893	3,236	2,766
42	19	96.325	5.093,948	66.013,248	12,959	12,489	92	69	7.003	11,188	34,475	3,081	2,612
43	20	96.086	4.737,813	60.919,300	12,858	12,388	93	70	5.324	7,931	23,287	2,936	2,466
44	21	95.818	4.405,214	56.181,487	12,753	12,284	94	71	3.949	5,484	15,356	2,800	2,330
45	22	95.538	4.095,404	51.776,273	12,643	12,173	95	72	2.852	3,693	9,872	2,673	2,203
46	23	95.218	3.805,777	47.680,870	12,529	12,059	96	73	2.004	2,419	6,179	2,554	2,084
47	24	94.870	3.535,543	43.875,092	12,410	11,940	97	74	1.367	1,539	3,760	2,443	1,973
48	25	94.489	3.283,296	40.339,549	12,286	11,816	98	75	905	0,950	2,221	2,339	1,869
49	26	94.080	3.048,100	37.056,253	12,157	11,687	99	76	579	0,567	1,271	2,242	1,772
							100	77	359	0,327	0,704	2,151	1,681

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 24 Jahre

Zinsfuß 7,25%

Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	26	93.658	2.829,295	34.037,378	12,030	11,560
1							51	27	93.167	2.624,230	31.208,082	11,892	11,422
2							52	28	92.658	2.433,449	28.583,852	11,746	11,276
3							53	29	92.087	2.254,973	26.150,403	11,597	11,127
4							54	30	91.481	2.088,712	23.895,429	11,440	10,970
5							55	31	90.830	1.933,660	21.806,717	11,277	10,808
6							56	32	90.118	1.788,811	19.873,057	11,110	10,640
7							57	33	89.381	1.654,239	18.084,246	10,932	10,462
8							58	34	88.572	1.528,457	16.430,007	10,749	10,280
9							59	35	87.687	1.410,891	14.901,550	10,562	10,092
10							60	36	86.721	1.301,022	13.490,658	10,369	9,899
11							61	37	85.696	1.198,739	12.189,636	10,169	9,699
12							62	38	84.615	1.103,603	10.990,897	9,959	9,489
13							63	39	83.417	1.014,430	9.887,293	9,747	9,277
14							64	40	82.145	931,441	8.872,863	9,526	9,056
15							65	41	80.779	854,027	7.941,422	9,299	8,829
16							66	42	79.285	781,577	7.087,395	9,068	8,598
17							67	43	77.681	713,995	6.305,819	8,832	8,362
18							68	44	75.918	650,624	5.591,824	8,595	8,125
19							69	45	74.020	591,477	4.941,200	8,354	7,884
20							70	46	72.000	536,439	4.349,724	8,109	7,639
21							71	47	69.821	485,040	3.813,284	7,862	7,392
22							72	48	67.491	437,158	3.328,245	7,613	7,143
23							73	49	64.977	392,423	2.891,087	7,367	6,897
24	0	98.758	18.409,275	259.246,699	14,082	13,612	74	50	62.306	350,858	2.498,664	7,122	6,652
25	1	98.312	17.087,245	240.837,423	14,095	13,625	75	51	59.510	312,460	2.147,806	6,874	6,404
26	2	98.204	15.914,807	223.750,179	14,059	13,589	76	52	56.601	277,096	1.835,346	6,624	6,154
27	3	98.115	14.825,437	207.835,371	14,019	13,549	77	53	53.615	244,734	1.558,250	6,367	5,897
28	4	98.028	13.810,995	193.009,934	13,975	13,505	78	54	50.520	215,019	1.313,516	6,109	5,639
29	5	97.943	12.866,257	179.198,940	13,928	13,458	79	55	47.288	187,659	1.098,497	5,854	5,384
30	6	97.861	11.986,505	166.332,683	13,877	13,407	80	56	43.972	162,703	910,839	5,598	5,128
31	7	97.781	11.167,035	154.346,178	13,822	13,352	81	57	40.541	139,866	748,136	5,349	4,879
32	8	97.695	10.403,025	143.179,143	13,763	13,293	82	58	37.046	119,169	608,270	5,104	4,634
33	9	97.606	9.690,913	132.776,118	13,701	13,231	83	59	33.407	100,199	489,101	4,881	4,411
34	10	97.514	9.027,307	123.085,205	13,635	13,165	84	60	29.851	83,480	388,902	4,659	4,189
35	11	97.413	8.408,323	114.057,897	13,565	13,095	85	61	26.413	68,873	305,422	4,435	3,965
36	12	97.301	7.830,990	105.649,574	13,491	13,021	86	62	23.212	56,435	236,549	4,192	3,722
37	13	97.183	7.292,760	97.818,584	13,413	12,943	87	63	20.011	45,363	180,114	3,971	3,501
38	14	97.057	6.790,903	90.525,824	13,330	12,861	88	64	16.890	35,700	134,751	3,775	3,305
39	15	96.912	6.322,383	83.734,921	13,244	12,774	89	65	13.992	27,575	99,051	3,592	3,122
40	16	96.745	5.884,858	77.412,538	13,155	12,685	90	66	11.382	20,916	71,477	3,417	2,947
41	17	96.558	5.476,437	71.527,680	13,061	12,591	91	67	9.091	15,576	50,561	3,246	2,776
42	18	96.353	5.095,414	66.051,243	12,963	12,493	92	68	7.084	11,318	34,986	3,091	2,621
43	19	96.113	4.739,127	60.955,829	12,862	12,392	93	69	5.393	8,033	23,668	2,946	2,476
44	20	95.849	4.406,606	56.216,702	12,757	12,287	94	70	4.006	5,563	15,634	2,810	2,340
45	21	95.561	4.096,406	51.810,096	12,648	12,178	95	71	2.899	3,754	10,071	2,683	2,213
46	22	95.244	3.806,808	47.713,691	12,534	12,064	96	72	2.040	2,464	6,317	2,564	2,094
47	23	94.895	3.536,466	43.906,882	12,415	11,946	97	73	1.395	1,571	3,853	2,453	1,983
48	24	94.515	3.284,188	40.370,416	12,292	11,822	98	74	926	0,972	2,283	2,349	1,879
49	25	94.103	3.048,850	37.086,228	12,164	11,694	99	75	595	0,582	1,311	2,252	1,782
							100	76	369	0,337	0,729	2,161	1,691

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 25 Jahre

Zinsfuß 7,25%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	25	93.681	2.829,992	34.064,139	12,037	11,567
1							51	26	93.194	2.624,965	31.234,147	11,899	11,429
2							52	27	92.685	2.434,158	28.609,182	11,753	11,283
3							53	28	92.114	2.255,643	26.175,024	11,604	11,134
4							54	29	91.508	2.089,324	23.919,381	11,448	10,978
5							55	30	90.860	1.934,293	21.830,057	11,286	10,816
6							56	31	90.151	1.789,451	19.895,763	11,118	10,648
7							57	32	89.413	1.654,828	18.106,313	10,942	10,472
8							58	33	88.607	1.529,068	16.451,485	10,759	10,289
9							59	34	87.728	1.411,553	14.922,417	10,572	10,102
10							60	35	86.765	1.301,689	13.510,864	10,379	9,910
11							61	36	85.744	1.199,417	12.209,175	10,179	9,709
12							62	37	84.667	1.104,280	11.009,758	9,970	9,500
13							63	38	83.475	1.015,140	9.905,477	9,758	9,288
14							64	39	82.211	932,187	8.890,337	9,537	9,067
15							65	40	80.849	854,771	7.958,150	9,310	8,840
16							66	41	79.364	782,350	7.103,379	9,080	8,610
17							67	42	77.768	714,798	6.321,030	8,843	8,373
18							68	43	76.017	651,469	5.606,231	8,606	8,136
19							69	44	74.124	592,301	4.954,762	8,365	7,895
20							70	45	72.114	537,291	4.362,461	8,119	7,649
21							71	46	69.947	485,912	3.825,169	7,872	7,402
22							72	47	67.622	438,010	3.339,257	7,624	7,154
23							73	48	65.115	393,257	2.901,247	7,377	6,908
24							74	49	62.457	351,705	2.507,991	7,131	6,661
25	0	98.686	17.152,371	240.961,237	14,048	13,578	75	50	59.661	313,251	2.156,286	6,884	6,414
26	1	98.240	15.920,509	223.808,866	14,058	13,588	76	51	56.759	277,868	1.843,035	6,633	6,163
27	2	98.134	14.828,369	207.888,357	14,020	13,550	77	52	53.778	245,476	1.565,167	6,376	5,906
28	3	98.045	13.813,366	193.059,988	13,976	13,506	78	53	50.680	215,700	1.319,691	6,118	5,648
29	4	97.956	12.867,919	179.246,622	13,930	13,460	79	54	47.454	188,314	1.103,991	5,863	5,393
30	5	97.874	11.988,072	166.378,703	13,879	13,409	80	55	44.139	163,321	915,678	5,607	5,137
31	6	97.790	11.168,064	154.390,631	13,824	13,354	81	56	40.704	140,430	752,357	5,358	4,888
32	7	97.704	10.403,931	143.222,567	13,766	13,296	82	57	37.212	119,704	611,927	5,112	4,642
33	8	97.615	9.691,844	132.818,636	13,704	13,234	83	58	33.569	100,684	492,223	4,889	4,419
34	9	97.520	9.027,890	123.126,792	13,638	13,169	84	59	30.003	83,906	391,539	4,666	4,196
35	10	97.421	8.409,030	114.098,902	13,569	13,099	85	60	26.559	69,254	307,633	4,442	3,972
36	11	97.311	7.831,724	105.689,872	13,495	13,025	86	61	23.344	56,755	238,379	4,200	3,730
37	12	97.192	7.293,380	97.858,147	13,417	12,947	87	62	20.137	45,650	181,624	3,979	3,509
38	13	97.066	6.791,561	90.564,768	13,335	12,865	88	63	17.006	35,944	135,974	3,783	3,313
39	14	96.923	6.323,120	83.773,206	13,249	12,779	89	64	14.095	27,778	100,030	3,601	3,131
40	15	96.762	5.885,910	77.450,087	13,159	12,689	90	65	11.476	21,088	72,252	3,426	2,956
41	16	96.578	5.477,597	71.564,177	13,065	12,595	91	66	9.174	15,718	51,165	3,255	2,785
42	17	96.374	5.096,535	66.086,580	12,967	12,497	92	67	7.157	11,434	35,446	3,100	2,630
43	18	96.141	4.740,490	60.990,044	12,866	12,396	93	68	5.456	8,126	24,013	2,955	2,485
44	19	95.875	4.407,827	56.249,554	12,761	12,291	94	69	4.058	5,635	15,886	2,819	2,349
45	20	95.591	4.097,700	51.841,727	12,651	12,182	95	70	2.941	3,808	10,251	2,692	2,222
46	21	95.267	3.807,740	47.744,027	12,539	12,069	96	71	2.074	2,504	6,443	2,573	2,103
47	22	94.921	3.537,424	43.936,287	12,420	11,951	97	72	1.421	1,600	3,939	2,462	1,992
48	23	94.539	3.285,045	40.398,863	12,298	11,828	98	73	945	0,992	2,339	2,358	1,888
49	24	94.129	3.049,679	37.113,818	12,170	11,700	99	74	609	0,596	1,347	2,261	1,791
							100	75	379	0,346	0,751	2,170	1,700

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 0 Jahre

Zinsfuß 7,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	0	100.000	100.000,000	1.403.474,207	14,035	13,564	50	50	91.638	2.464,064	27.646,837	11,220	10,750
1	1	99.166	92.247,264	1.303.474,207	14,130	13,660	51	51	90.953	2.275,031	25.182,773	11,069	10,599
2	2	99.090	85.746,021	1.211.226,944	14,126	13,655	52	52	90.231	2.099,497	22.907,742	10,911	10,441
3	3	99.051	79.731,914	1.125.480,923	14,116	13,646	53	53	89.431	1.935,697	20.808,244	10,750	10,279
4	4	99.016	74.142,964	1.045.749,009	14,104	13,634	54	54	88.588	1.783,680	18.872,548	10,581	10,110
5	5	98.990	68.952,043	971.606,045	14,091	13,621	55	55	87.680	1.642,239	17.088,868	10,406	9,936
6	6	98.963	64.124,268	902.654,002	14,077	13,606	56	56	86.694	1.510,487	15.446,629	10,226	9,756
7	7	98.942	59.638,034	838.529,734	14,060	13,590	57	57	85.670	1.388,504	13.936,142	10,037	9,567
8	8	98.922	55.465,560	778.891,700	14,043	13,573	58	58	84.550	1.274,740	12.547,638	9,843	9,373
9	9	98.900	51.584,782	723.426,140	14,024	13,554	59	59	83.341	1.168,848	11.272,898	9,644	9,174
10	10	98.885	47.978,253	671.841,358	14,003	13,533	60	60	82.046	1.070,402	10.104,050	9,439	8,969
11	11	98.867	44.622,987	623.863,105	13,981	13,510	61	61	80.675	979,094	9.033,648	9,227	8,756
12	12	98.844	41.499,866	579.240,118	13,958	13,487	62	62	79.258	894,782	8.054,554	9,002	8,531
13	13	98.822	38.596,207	537.740,252	13,932	13,462	63	63	77.698	815,976	7.159,772	8,774	8,304
14	14	98.800	35.895,315	499.144,046	13,906	13,435	64	64	76.054	742,990	6.343,797	8,538	8,068
15	15	98.770	33.380,940	463.248,731	13,878	13,407	65	65	74.307	675,271	5.600,806	8,294	7,824
16	16	98.729	31.039,166	429.867,791	13,849	13,379	66	66	72.409	612,118	4.925,535	8,047	7,576
17	17	98.670	28.856,471	398.828,625	13,821	13,351	67	67	70.380	553,458	4.313,417	7,794	7,323
18	18	98.599	26.823,720	369.972,154	13,793	13,322	68	68	68.173	498,696	3.759,959	7,540	7,069
19	19	98.496	24.926,201	343.148,434	13,767	13,296	69	69	65.800	447,756	3.261,263	7,284	6,813
20	20	98.389	23.162,066	318.222,234	13,739	13,269	70	70	63.288	400,614	2.813,507	7,023	6,553
21	21	98.283	21.522,927	295.060,168	13,709	13,239	71	71	60.609	356,890	2.412,894	6,761	6,291
22	22	98.182	20.000,734	273.537,241	13,676	13,206	72	72	57.749	316,324	2.056,003	6,500	6,029
23	23	98.081	18.586,273	253.536,507	13,641	13,171	73	73	54.711	278,777	1.739,679	6,240	5,770
24	24	97.983	17.272,233	234.950,234	13,603	13,132	74	74	51.518	244,191	1.460,902	5,983	5,512
25	25	97.886	16.051,174	217.678,001	13,562	13,091	75	75	48.208	212,560	1.216,711	5,724	5,254
26	26	97.790	14.916,731	201.626,827	13,517	13,047	76	76	44.787	183,698	1.004,151	5,466	4,996
27	27	97.693	13.862,223	186.710,096	13,469	12,999	77	77	41.321	157,658	820,453	5,204	4,734
28	28	97.594	12.882,114	172.847,872	13,418	12,947	78	78	37.788	134,121	662,796	4,942	4,472
29	29	97.494	11.971,000	159.965,758	13,363	12,892	79	79	34.179	112,847	528,675	4,685	4,215
30	30	97.396	11.124,724	147.994,758	13,303	12,833	80	80	30.561	93,861	415,828	4,430	3,960
31	31	97.293	10.337,634	136.870,034	13,240	12,770	81	81	26.911	76,887	321,967	4,188	3,717
32	32	97.182	9.605,378	126.532,399	13,173	12,703	82	82	23.325	61,990	245,080	3,954	3,483
33	33	97.068	8.924,741	116.927,022	13,101	12,631	83	83	19.770	48,876	183,090	3,746	3,276
34	34	96.944	8.291,487	108.002,281	13,026	12,555	84	84	16.483	37,907	134,214	3,541	3,070
35	35	96.806	7.702,032	99.710,794	12,946	12,476	85	85	13.487	28,853	96,307	3,338	2,868
36	36	96.655	7.153,519	92.008,762	12,862	12,392	86	86	10.885	21,662	67,454	3,114	2,644
37	37	96.491	6.643,166	84.855,243	12,773	12,303	87	87	8.491	15,719	45,792	2,913	2,443
38	38	96.316	6.168,438	78.212,077	12,679	12,209	88	88	6.365	10,961	30,073	2,744	2,273
39	39	96.116	5.726,167	72.043,638	12,581	12,111	89	89	4.613	7,390	19,112	2,586	2,116
40	40	95.891	5.314,201	66.317,471	12,479	12,009	90	90	3.223	4,803	11,722	2,441	1,970
41	41	95.642	4.930,636	61.003,270	12,372	11,902	91	91	2.173	3,012	6,919	2,297	1,827
42	42	95.366	4.573,400	56.072,634	12,261	11,790	92	92	1.390	1,793	3,907	2,180	1,709
43	43	95.049	4.240,168	51.499,234	12,146	11,675	93	93	851	1,020	2,114	2,072	1,602
44	44	94.691	3.929,471	47.259,066	12,027	11,557	94	94	497	0,554	1,094	1,974	1,504
45	45	94.305	3.640,441	43.329,595	11,902	11,432	95	95	276	0,286	0,540	1,885	1,415
46	46	93.866	3.370,682	39.689,155	11,775	11,305	96	96	146	0,141	0,253	1,803	1,333
47	47	93.379	3.119,263	36.318,473	11,643	11,173	97	97	73	0,065	0,113	1,729	1,259
48	48	92.848	2.885,143	33.199,211	11,507	11,037	98	98	34	0,029	0,048	1,662	1,191
49	49	92.273	2.667,231	30.314,068	11,365	10,895	99	99	15	0,012	0,019	1,600	1,130
							100	100	6	0,005	0,007	1,544	1,074

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -1 Jahr

Zinsfuß 7,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	1	99.620	99.620,306	1.402.594,367	14,079	13,609	50	51	91.406	2.457,838	27.444,131	11,166	10,696
1	2	99.130	92.214,226	1.302.974,061	14,130	13,660	51	52	90.701	2.268,713	24.986,293	11,013	10,543
2	3	99.071	85.729,068	1.210.759,835	14,123	13,653	52	53	89.958	2.093,150	22.717,580	10,853	10,383
3	4	99.034	79.718,228	1.125.030,767	14,113	13,642	53	54	89.148	1.929,585	20.624,430	10,689	10,218
4	5	99.003	74.133,388	1.045.312,538	14,100	13,630	54	55	88.280	1.777,476	18.694,846	10,518	10,047
5	6	98.977	68.943,029	971.179,151	14,087	13,616	55	56	87.348	1.636,020	16.917,370	10,341	9,870
6	7	98.954	64.118,359	902.236,121	14,071	13,601	56	57	86.346	1.504,423	15.281,350	10,158	9,687
7	8	98.934	59.632,840	838.117,762	14,055	13,584	57	58	85.288	1.382,307	13.776,927	9,967	9,496
8	9	98.912	55.460,235	778.484,922	14,037	13,567	58	59	84.143	1.268,602	12.394,620	9,770	9,300
9	10	98.894	51.581,449	723.024,686	14,017	13,547	59	60	82.917	1.162,906	11.126,019	9,567	9,097
10	11	98.876	47.974,219	671.443,237	13,996	13,526	60	61	81.594	1.064,510	9.963,113	9,359	8,889
11	12	98.858	44.618,802	623.469,019	13,973	13,503	61	62	80.221	973,584	8.898,602	9,140	8,670
12	13	98.835	41.496,341	578.850,217	13,949	13,479	62	63	78.759	889,151	7.925,018	8,913	8,443
13	14	98.813	38.592,467	537.353,875	13,924	13,454	63	64	77.170	810,426	7.035,867	8,682	8,211
14	15	98.788	35.891,132	498.761,408	13,897	13,426	64	65	75.498	737,557	6.225,442	8,441	7,970
15	16	98.752	33.374,976	462.870,276	13,869	13,399	65	66	73.700	669,756	5.487,885	8,194	7,724
16	17	98.708	31.032,592	429.495,301	13,840	13,370	66	67	71.753	606,574	4.818,129	7,943	7,473
17	18	98.649	28.850,122	398.462,708	13,811	13,341	67	68	69.665	547,832	4.211,554	7,688	7,217
18	19	98.570	26.816,006	369.612,586	13,783	13,313	68	69	67.393	492,992	3.663,722	7,432	6,961
19	20	98.468	24.919,291	342.796,581	13,756	13,286	69	70	64.960	442,043	3.170,730	7,173	6,703
20	21	98.358	23.154,750	317.877,289	13,728	13,258	70	71	62.388	394,920	2.728,687	6,909	6,439
21	22	98.259	21.517,661	294.722,539	13,697	13,226	71	72	59.626	351,104	2.333,767	6,647	6,177
22	23	98.155	19.995,319	273.204,879	13,663	13,193	72	73	56.707	310,621	1.982,663	6,383	5,913
23	24	98.056	18.581,424	253.209,560	13,627	13,157	73	74	53.596	273,098	1.672,042	6,123	5,652
24	25	97.957	17.267,541	234.628,136	13,588	13,118	74	75	50.345	238,633	1.398,945	5,862	5,392
25	26	97.861	16.047,224	217.360,595	13,545	13,075	75	76	46.958	207,049	1.160,311	5,604	5,134
26	27	97.762	14.912,555	201.313,371	13,500	13,029	76	77	43.490	178,381	953,263	5,344	4,874
27	28	97.664	13.858,184	186.400,816	13,451	12,980	77	78	39.976	152,529	774,882	5,080	4,610
28	29	97.565	12.878,291	172.542,632	13,398	12,928	78	79	36.388	129,150	622,354	4,819	4,349
29	30	97.465	11.967,496	159.664,342	13,341	12,871	79	80	32.741	108,100	493,204	4,562	4,092
30	31	97.365	11.121,082	147.696,846	13,281	12,811	80	81	29.072	89,289	385,104	4,313	3,843
31	32	97.259	10.333,942	136.575,764	13,216	12,746	81	82	25.411	72,601	295,815	4,075	3,604
32	33	97.147	9.601,963	126.241,823	13,148	12,677	82	83	21.818	57,984	223,215	3,850	3,379
33	34	97.029	8.921,174	116.639,860	13,074	12,604	83	84	18.353	45,374	165,231	3,642	3,171
34	35	96.898	8.287,600	107.718,686	12,998	12,527	84	85	15.158	34,861	119,857	3,438	2,968
35	36	96.756	7.698,089	99.431,086	12,916	12,446	85	86	12.316	26,348	84,996	3,226	2,756
36	37	96.600	7.149,474	91.732,997	12,831	12,360	86	87	9.787	19,478	58,648	3,011	2,541
37	38	96.432	6.639,092	84.583,523	12,740	12,270	87	88	7.490	13,866	39,170	2,825	2,355
38	39	96.248	6.164,124	77.944,430	12,645	12,175	88	89	5.528	9,520	25,304	2,658	2,188
39	40	96.039	5.721,585	71.780,307	12,546	12,075	89	90	3.929	6,295	15,785	2,508	2,037
40	41	95.807	5.309,578	66.058,722	12,441	11,971	90	91	2.696	4,018	9,490	2,362	1,892
41	42	95.548	4.925,762	60.749,144	12,333	11,863	91	92	1.766	2,448	5,472	2,236	1,765
42	43	95.259	4.568,256	55.823,382	12,220	11,750	92	93	1.105	1,424	3,025	2,123	1,653
43	44	94.926	4.234,664	51.255,126	12,104	11,633	93	94	660	0,792	1,600	2,021	1,551
44	45	94.559	3.924,001	47.020,462	11,983	11,513	94	95	376	0,419	0,808	1,927	1,457
45	46	94.155	3.634,667	43.096,461	11,857	11,387	95	96	203	0,211	0,389	1,842	1,372
46	47	93.697	3.364,628	39.461,794	11,728	11,258	96	97	104	0,101	0,178	1,765	1,294
47	48	93.198	3.113,197	36.097,166	11,595	11,125	97	98	51	0,045	0,077	1,694	1,223
48	49	92.651	2.879,027	32.983,969	11,457	10,986	98	99	23	0,019	0,032	1,629	1,159
49	50	92.051	2.660,811	30.104,943	11,314	10,844	99	100	10	0,008	0,012	1,571	1,100
							100	101	4	0,003	0,004	1,517	1,047

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -2 Jahre

Zinsfuß 7,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	2	99.585	99.584,628	1.402.048,421	14,079	13,609	50	52	91.153	2.451,012	27.225,100	11,108	10,637
1	3	99.111	92.195,994	1.302.463,793	14,127	13,657	51	53	90.427	2.261,854	24.774,088	10,953	10,483
2	4	99.054	85.714,353	1.210.267,799	14,120	13,649	52	54	89.674	2.086,541	22.512,234	10,789	10,319
3	5	99.021	79.707,932	1.124.553,446	14,108	13,638	53	55	88.838	1.922,873	20.425,693	10,622	10,152
4	6	98.990	74.123,697	1.044.845,514	14,096	13,626	54	56	87.945	1.770,745	18.502,820	10,449	9,979
5	7	98.968	68.936,677	970.721,817	14,081	13,611	55	57	86.998	1.629,452	16.732,075	10,269	9,798
6	8	98.945	64.112,775	901.785,140	14,066	13,595	56	58	85.961	1.497,709	15.102,623	10,084	9,614
7	9	98.924	59.627,116	837.672,365	14,049	13,578	57	59	84.877	1.375,650	13.604,915	9,890	9,420
8	10	98.906	55.456,652	778.045,249	14,030	13,560	58	60	83.715	1.262,152	12.229,265	9,689	9,219
9	11	98.886	51.577,112	722.588,597	14,010	13,540	59	61	82.461	1.156,505	10.967,113	9,483	9,013
10	12	98.867	47.969,720	671.011,486	13,988	13,518	60	62	81.135	1.058,520	9.810,608	9,268	8,798
11	13	98.849	44.615,012	623.041,766	13,965	13,495	61	63	79.716	967,457	8.752,088	9,046	8,576
12	14	98.826	41.492,321	578.426,754	13,941	13,470	62	64	78.223	883,103	7.784,630	8,815	8,345
13	15	98.801	38.587,970	536.934,433	13,915	13,444	63	65	76.605	804,499	6.901,527	8,579	8,108
14	16	98.771	35.884,719	498.346,463	13,887	13,417	64	66	74.882	731,533	6.097,028	8,335	7,864
15	17	98.732	33.367,908	462.461,743	13,859	13,389	65	67	73.032	663,691	5.365,495	8,084	7,614
16	18	98.687	31.025,765	429.093,836	13,830	13,360	66	68	71.024	600,408	4.701,804	7,831	7,361
17	19	98.620	28.841,825	398.068,071	13,802	13,331	67	69	68.868	541,567	4.101,396	7,573	7,103
18	20	98.543	26.808,572	369.226,246	13,773	13,302	68	70	66.533	486,702	3.559,830	7,314	6,844
19	21	98.437	24.911,420	342.417,674	13,745	13,275	69	71	64.037	435,760	3.073,128	7,052	6,582
20	22	98.334	23.149,085	317.506,254	13,716	13,245	70	72	61.377	388,517	2.637,367	6,788	6,318
21	23	98.233	21.511,835	294.357,169	13,683	13,213	71	73	58.551	344,774	2.248,850	6,523	6,052
22	24	98.130	19.990,102	272.845,334	13,649	13,179	72	74	55.552	304,293	1.904,076	6,257	5,787
23	25	98.029	18.576,375	252.855,232	13,612	13,141	73	75	52.376	266,881	1.599,783	5,994	5,524
24	26	97.932	17.263,292	234.278,857	13,571	13,101	74	76	49.040	232,446	1.332,902	5,734	5,264
25	27	97.834	16.042,732	217.015,565	13,527	13,057	75	77	45.598	201,055	1.100,456	5,473	5,003
26	28	97.734	14.908,209	200.972,833	13,481	13,010	76	78	42.075	172,577	899,401	5,212	4,741
27	29	97.635	13.854,070	186.064,624	13,430	12,960	77	79	38.495	146,875	726,824	4,949	4,478
28	30	97.537	12.874,521	172.210,554	13,376	12,906	78	80	34.857	123,717	579,948	4,688	4,217
29	31	97.433	11.963,577	159.336,033	13,318	12,848	79	81	31.146	102,834	456,231	4,437	3,966
30	32	97.330	11.117,109	147.372,455	13,256	12,786	80	82	27.451	84,312	353,397	4,192	3,721
31	33	97.224	10.330,267	136.255,346	13,190	12,720	81	83	23.769	67,909	269,086	3,962	3,492
32	34	97.109	9.598,126	125.925,079	13,120	12,649	82	84	20.254	53,829	201,177	3,737	3,267
33	35	96.983	8.916,992	116.326,953	13,046	12,575	83	85	16.878	41,727	147,348	3,531	3,061
34	36	96.849	8.283,357	107.409,961	12,967	12,497	84	86	13.842	31,834	105,620	3,318	2,848
35	37	96.702	7.693,736	99.126,604	12,884	12,414	85	87	11.074	23,692	73,786	3,114	2,644
36	38	96.541	7.145,090	91.432,868	12,797	12,326	86	88	8.634	17,182	50,094	2,916	2,445
37	39	96.365	6.634,448	84.287,778	12,705	12,234	87	89	6.505	12,042	32,913	2,733	2,263
38	40	96.171	6.159,191	77.653,330	12,608	12,137	88	90	4.709	8,109	20,871	2,574	2,104
39	41	95.955	5.716,607	71.494,139	12,506	12,036	89	91	3.287	5,266	12,762	2,424	1,953
40	42	95.713	5.304,329	65.777,532	12,401	11,930	90	92	2.191	3,265	7,496	2,296	1,826
41	43	95.440	4.920,222	60.473,203	12,291	11,820	91	93	1.403	1,945	4,232	2,176	1,705
42	44	95.135	4.562,326	55.552,981	12,176	11,706	92	94	857	1,105	2,287	2,069	1,598
43	45	94.793	4.228,770	50.990,654	12,058	11,588	93	95	500	0,599	1,181	1,971	1,501
44	46	94.409	3.917,778	46.761,885	11,936	11,466	94	96	277	0,309	0,582	1,882	1,412
45	47	93.986	3.628,139	42.844,107	11,809	11,339	95	97	146	0,151	0,273	1,801	1,330
46	48	93.515	3.358,085	39.215,968	11,678	11,208	96	98	73	0,070	0,121	1,727	1,256
47	49	93.000	3.106,597	35.857,883	11,542	11,072	97	99	34	0,031	0,051	1,659	1,189
48	50	92.428	2.872,098	32.751,286	11,403	10,933	98	100	15	0,013	0,020	1,598	1,128
49	51	91.818	2.654,089	29.879,189	11,258	10,788	99	101	6	0,005	0,008	1,542	1,072
							100	102	2	0,002	0,003	1,491	1,021

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -3 Jahre

Zinsfuß 7,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	3	99.565	99.564,939	1.401.491,237	14,076	13,606	50	53	90.877	2.443,602	26.988,759	11,045	10,574
1	4	99.094	92.180,169	1.301.926,298	14,124	13,653	51	54	90.141	2.254,712	24.545,156	10,886	10,416
2	5	99.041	85.703,282	1.209.746,129	14,116	13,645	52	55	89.362	2.079,283	22.290,444	10,720	10,250
3	6	99.008	79.697,513	1.124.042,847	14,104	13,634	53	56	88.502	1.915,591	20.211,161	10,551	10,081
4	7	98.981	74.116,867	1.044.345,334	14,091	13,620	54	57	87.592	1.763,636	18.295,569	10,374	9,903
5	8	98.959	68.930,673	970.228,468	14,075	13,605	55	58	86.609	1.622,179	16.531,933	10,191	9,721
6	9	98.936	64.106,621	901.297,795	14,059	13,589	56	59	85.547	1.490,496	14.909,754	10,003	9,533
7	10	98.918	59.623,263	837.191,174	14,041	13,571	57	60	84.446	1.368,656	13.419,258	9,805	9,334
8	11	98.897	55.451,988	777.567,911	14,022	13,552	58	61	83.254	1.255,205	12.050,602	9,601	9,130
9	12	98.876	51.572,275	722.115,923	14,002	13,532	59	62	81.997	1.149,997	10.795,396	9,387	8,917
10	13	98.859	47.965,646	670.543,648	13,980	13,509	60	63	80.624	1.051,859	9.645,400	9,170	8,700
11	14	98.840	44.610,690	622.578,002	13,956	13,486	61	64	79.174	960,877	8.593,541	8,943	8,473
12	15	98.814	41.487,486	577.967,313	13,931	13,461	62	65	77.651	876,645	7.632,664	8,707	8,236
13	16	98.783	38.581,076	536.479,827	13,905	13,435	63	66	75.980	797,929	6.756,019	8,467	7,997
14	17	98.750	35.877,120	497.898,751	13,878	13,408	64	67	74.204	724,908	5.958,090	8,219	7,749
15	18	98.710	33.360,566	462.021,631	13,849	13,379	65	68	72.290	656,944	5.233,182	7,966	7,496
16	19	98.658	31.016,842	428.661,065	13,820	13,350	66	69	70.212	593,541	4.576,238	7,710	7,240
17	20	98.593	28.833,830	397.644,223	13,791	13,321	67	70	67.990	534,657	3.982,697	7,449	6,979
18	21	98.512	26.800,105	368.810,393	13,762	13,291	68	71	65.588	479,784	3.448,040	7,187	6,716
19	22	98.413	24.905,325	342.010,289	13,732	13,262	69	72	62.999	428,696	2.968,256	6,924	6,454
20	23	98.307	23.142,817	317.104,964	13,702	13,232	70	73	60.270	381,512	2.539,560	6,657	6,186
21	24	98.207	21.506,223	293.962,146	13,669	13,198	71	74	57.358	337,751	2.158,048	6,389	5,919
22	25	98.103	19.984,671	272.455,924	13,633	13,163	72	75	54.288	297,366	1.820,297	6,121	5,651
23	26	98.005	18.571,804	252.471,253	13,594	13,124	73	76	51.018	259,962	1.522,931	5,858	5,388
24	27	97.905	17.258,459	233.899,448	13,553	13,082	74	77	47.620	225,717	1.262,969	5,595	5,125
25	28	97.806	16.038,056	216.640,990	13,508	13,038	75	78	44.115	194,514	1.037,252	5,333	4,862
26	29	97.705	14.903,784	200.602,933	13,460	12,990	76	79	40.516	166,181	842,738	5,071	4,601
27	30	97.607	13.850,015	185.699,149	13,408	12,938	77	80	36.875	140,697	676,556	4,809	4,338
28	31	97.505	12.870,306	171.849,134	13,352	12,882	78	81	33.159	117,690	535,859	4,553	4,083
29	32	97.398	11.959,304	158.978,828	13,293	12,823	79	82	29.410	97,101	418,169	4,307	3,836
30	33	97.295	11.113,156	147.019,525	13,229	12,759	80	83	25.677	78,863	321,068	4,071	3,601
31	34	97.185	10.326,140	135.906,368	13,161	12,691	81	84	22.066	63,043	242,205	3,842	3,372
32	35	97.063	9.593,626	125.580,229	13,090	12,620	82	85	18.626	49,504	179,162	3,619	3,149
33	36	96.934	8.912,427	115.986,603	13,014	12,544	83	86	15.413	38,104	129,659	3,403	2,932
34	37	96.794	8.278,673	107.074,176	12,934	12,463	84	87	12.447	28,625	91,554	3,198	2,728
35	38	96.642	7.689,018	98.795,503	12,849	12,379	85	88	9.769	20,899	62,929	3,011	2,541
36	39	96.474	7.140,092	91.106,485	12,760	12,290	86	89	7.498	14,922	42,031	2,817	2,346
37	40	96.288	6.629,139	83.966,393	12,666	12,196	87	90	5.541	10,257	27,109	2,643	2,173
38	41	96.088	6.153,832	77.337,254	12,567	12,097	88	91	3.939	6,783	16,852	2,484	2,014
39	42	95.860	5.710,956	71.183,422	12,464	11,994	89	92	2.671	4,279	10,068	2,353	1,883
40	43	95.605	5.298,364	65.472,466	12,357	11,887	90	93	1.741	2,594	5,789	2,232	1,761
41	44	95.316	4.913,836	60.174,102	12,246	11,776	91	94	1.089	1,509	3,195	2,117	1,647
42	45	95.003	4.555,976	55.260,266	12,129	11,659	92	95	649	0,837	1,686	2,015	1,545
43	46	94.643	4.222,063	50.704,291	12,009	11,539	93	96	368	0,442	0,849	1,922	1,452
44	47	94.239	3.910,741	46.482,228	11,886	11,416	94	97	199	0,222	0,408	1,838	1,367
45	48	93.804	3.621,084	42.571,487	11,757	11,286	95	98	102	0,106	0,186	1,760	1,290
46	49	93.317	3.350,966	38.950,403	11,624	11,153	96	99	49	0,047	0,080	1,690	1,220
47	50	92.776	3.099,120	35.599,437	11,487	11,017	97	100	22	0,020	0,033	1,626	1,156
48	51	92.195	2.864,841	32.500,317	11,345	10,874	98	101	10	0,008	0,013	1,567	1,097
49	52	91.563	2.646,717	29.635,476	11,197	10,727	99	102	4	0,003	0,005	1,514	1,044
							100	103	1	0,001	0,002	1,466	0,995

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -4 Jahre

Zinsfuß 7,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	4	99.548	99.547,849	1.400.904,378	14,073	13,602	50	54	90.590	2.435,887	26.734,043	10,975	10,505
1	5	99.081	92.168,263	1.301.356,529	14,119	13,649	51	55	89.828	2.246,870	24.298,156	10,814	10,344
2	6	99.028	85.692,079	1.209.188,266	14,111	13,641	52	56	89.024	2.071,409	22.051,286	10,646	10,175
3	7	98.999	79.690,169	1.123.496,187	14,098	13,628	53	57	88.146	1.907,901	19.979,877	10,472	10,002
4	8	98.972	74.110,412	1.043.806,018	14,084	13,614	54	58	87.201	1.755,765	18.071,976	10,293	9,823
5	9	98.949	68.924,056	969.695,606	14,069	13,599	55	59	86.192	1.614,368	16.316,212	10,107	9,637
6	10	98.929	64.102,479	900.771,550	14,052	13,582	56	60	85.112	1.482,919	14.701,844	9,914	9,444
7	11	98.910	59.618,249	836.669,071	14,034	13,563	57	61	83.981	1.361,123	13.218,925	9,712	9,241
8	12	98.888	55.446,788	777.050,822	14,014	13,544	58	62	82.786	1.248,142	11.857,802	9,500	9,030
9	13	98.868	51.567,895	721.604,034	13,993	13,523	59	63	81.481	1.142,760	10.609,661	9,284	8,814
10	14	98.849	47.960,998	670.036,139	13,970	13,500	60	64	80.076	1.044,704	9.466,901	9,062	8,592
11	15	98.828	44.605,491	622.075,141	13,946	13,476	61	65	78.595	953,850	8.422,196	8,830	8,359
12	16	98.796	41.480,073	577.469,650	13,922	13,451	62	66	77.017	869,485	7.468,346	8,589	8,119
13	17	98.763	38.572,905	535.989,576	13,895	13,425	63	67	75.292	790,702	6.598,861	8,346	7,875
14	18	98.728	35.869,226	497.416,671	13,868	13,397	64	68	73.449	717,539	5.808,159	8,095	7,624
15	19	98.681	33.350,972	461.547,445	13,839	13,369	65	69	71.463	649,430	5.090,620	7,839	7,368
16	20	98.631	31.008,244	428.196,473	13,809	13,339	66	70	69.316	585,969	4.441,190	7,579	7,109
17	21	98.562	28.824,722	397.188,229	13,779	13,309	67	71	67.023	527,058	3.855,221	7,315	6,844
18	22	98.488	26.793,547	368.363,507	13,748	13,278	68	72	64.524	472,006	3.328,163	7,051	6,581
19	23	98.386	24.898,582	341.569,960	13,718	13,248	69	73	61.863	420,967	2.856,157	6,785	6,314
20	24	98.282	23.136,779	316.671,377	13,687	13,217	70	74	59.042	373,740	2.435,191	6,516	6,045
21	25	98.180	21.500,380	293.534,598	13,653	13,182	71	75	56.053	330,063	2.061,450	6,246	5,775
22	26	98.079	19.979,754	272.034,218	13,615	13,145	72	76	52.880	289,656	1.731,388	5,977	5,507
23	27	97.978	18.566,605	252.054,465	13,576	13,105	73	77	49.542	252,436	1.441,731	5,711	5,241
24	28	97.877	17.253,429	233.487,860	13,533	13,063	74	78	46.071	218,374	1.189,295	5,446	4,976
25	29	97.776	16.033,296	216.234,431	13,487	13,016	75	79	42.480	187,305	970,921	5,184	4,713
26	30	97.676	14.899,422	200.201,135	13,437	12,967	76	80	38.812	159,191	783,616	4,923	4,452
27	31	97.575	13.845,480	185.301,713	13,384	12,913	77	81	35.079	133,843	624,425	4,665	4,195
28	32	97.470	12.865,708	171.456,233	13,327	12,856	78	82	31.311	111,130	490,582	4,415	3,944
29	33	97.364	11.955,051	158.590,525	13,266	12,795	79	83	27.509	90,826	379,453	4,178	3,708
30	34	97.256	11.108,716	146.635,473	13,200	12,730	80	84	23.837	73,212	288,626	3,942	3,472
31	35	97.140	10.321,298	135.526,758	13,131	12,661	81	85	20.293	57,976	215,415	3,716	3,245
32	36	97.013	9.588,714	125.205,459	13,058	12,587	82	86	17.009	45,205	157,438	3,483	3,012
33	37	96.879	8.907,387	115.616,745	12,980	12,510	83	87	13.859	34,263	112,233	3,276	2,805
34	38	96.735	8.273,597	106.709,357	12,898	12,427	84	88	10.980	25,251	77,970	3,088	2,618
35	39	96.575	7.683,640	98.435,761	12,811	12,341	85	89	8.484	18,150	52,719	2,905	2,434
36	40	96.396	7.134,378	90.752,121	12,720	12,250	86	90	6.387	12,710	34,569	2,720	2,250
37	41	96.204	6.623,372	83.617,743	12,625	12,154	87	91	4.635	8,581	21,859	2,548	2,077
38	42	95.993	6.147,749	76.994,372	12,524	12,054	88	92	3.201	5,512	13,278	2,409	1,939
39	43	95.753	5.704,533	70.846,622	12,419	11,949	89	93	2.122	3,400	7,766	2,284	1,814
40	44	95.481	5.291,486	65.142,089	12,311	11,840	90	94	1.351	2,013	4,366	2,169	1,699
41	45	95.184	4.906,996	59.850,603	12,197	11,727	91	95	824	1,142	2,353	2,060	1,590
42	46	94.852	4.548,750	54.943,607	12,079	11,609	92	96	478	0,617	1,211	1,963	1,493
43	47	94.473	4.214,480	50.394,857	11,958	11,487	93	97	264	0,317	0,594	1,875	1,405
44	48	94.056	3.903,136	46.180,378	11,832	11,361	94	98	138	0,155	0,277	1,795	1,324
45	49	93.605	3.613,407	42.277,241	11,700	11,230	95	99	69	0,071	0,123	1,721	1,251
46	50	93.092	3.342,901	38.663,834	11,566	11,096	96	100	32	0,031	0,051	1,654	1,184
47	51	92.542	3.091,290	35.320,933	11,426	10,956	97	101	14	0,013	0,020	1,594	1,123
48	52	91.939	2.856,884	32.229,643	11,281	10,811	98	102	6	0,005	0,008	1,538	1,068
49	53	91.287	2.638,716	29.372,759	11,131	10,661	99	103	2	0,002	0,003	1,487	1,017
							100	104	1	0,001	0,001	1,441	0,971

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -5 Jahre

Zinsfuß 7,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	5	99.535	99.534,992	1.400.282,437	14,068	13,598	50	55	90.275	2.427,414	26.459,526	10,900	10,430
1	6	99.068	92.156,215	1.300.747,445	14,115	13,644	51	56	89.487	2.238,361	24.032,112	10,736	10,266
2	7	99.019	85.684,183	1.208.591,230	14,105	13,635	52	57	88.666	2.063,093	21.793,750	10,564	10,093
3	8	98.990	79.683,229	1.122.907,047	14,092	13,622	53	58	87.753	1.899,386	19.730,657	10,388	9,918
4	9	98.963	74.103,298	1.043.223,818	14,078	13,608	54	59	86.781	1.747,309	17.831,272	10,205	9,735
5	10	98.943	68.919,602	969.120,520	14,062	13,591	55	60	85.754	1.606,160	16.083,962	10,014	9,544
6	11	98.921	64.097,088	900.200,918	14,044	13,574	56	61	84.644	1.474,756	14.477,802	9,817	9,347
7	12	98.900	59.612,658	836.103,830	14,026	13,555	57	62	83.508	1.353,463	13.003,045	9,607	9,137
8	13	98.880	55.442,079	776.491,172	14,005	13,535	58	63	82.265	1.240,287	11.649,582	9,393	8,922
9	14	98.858	51.562,898	721.049,093	13,984	13,514	59	64	80.926	1.134,987	10.409,295	9,171	8,701
10	15	98.838	47.955,410	669.486,194	13,961	13,490	60	65	79.490	1.037,065	9.274,307	8,943	8,473
11	16	98.811	44.597,522	621.530,785	13,936	13,466	61	66	77.953	946,060	8.237,243	8,707	8,237
12	17	98.775	41.471,289	576.933,263	13,912	13,441	62	67	76.320	861,611	7.291,183	8,462	7,992
13	18	98.741	38.564,418	535.461,974	13,885	13,415	63	68	74.526	782,665	6.429,573	8,215	7,745
14	19	98.700	35.858,910	496.897,556	13,857	13,387	64	69	72.609	709,332	5.646,908	7,961	7,491
15	20	98.654	33.341,727	461.038,645	13,828	13,357	65	70	70.552	641,145	4.937,576	7,701	7,231
16	21	98.600	30.998,450	427.696,918	13,797	13,327	66	71	68.331	577,640	4.296,431	7,438	6,968
17	22	98.538	28.817,670	396.698,469	13,766	13,296	67	72	65.937	518,513	3.718,791	7,172	6,702
18	23	98.461	26.786,293	367.880,799	13,734	13,264	68	73	63.361	463,496	3.200,278	6,905	6,434
19	24	98.361	24.892,086	341.094,506	13,703	13,233	69	74	60.603	412,391	2.736,782	6,636	6,166
20	25	98.255	23.130,493	316.202,420	13,670	13,200	70	75	57.698	365,233	2.324,391	6,364	5,894
21	26	98.156	21.495,089	293.071,926	13,634	13,164	71	76	54.600	321,505	1.959,158	6,094	5,623
22	27	98.052	19.974,160	271.576,837	13,596	13,126	72	77	51.349	281,271	1.637,653	5,822	5,352
23	28	97.949	18.561,194	251.602,677	13,555	13,085	73	78	47.930	244,224	1.356,382	5,554	5,084
24	29	97.847	17.248,308	233.041,483	13,511	13,041	74	79	44.363	210,280	1.112,158	5,289	4,819
25	30	97.748	16.028,603	215.793,175	13,463	12,993	75	80	40.693	179,426	901,877	5,026	4,556
26	31	97.644	14.894,543	199.764,572	13,412	12,942	76	81	36.921	151,436	722,452	4,771	4,300
27	32	97.540	13.840,535	184.870,029	13,357	12,887	77	82	33.124	126,382	571,016	4,518	4,048
28	33	97.435	12.861,134	171.029,494	13,298	12,828	78	83	29.287	103,948	444,634	4,277	3,807
29	34	97.325	11.950,274	158.168,361	13,236	12,765	79	84	25.538	84,318	340,686	4,040	3,570
30	35	97.211	11.103,508	146.218,086	13,169	12,698	80	85	21.922	67,328	256,368	3,808	3,337
31	36	97.090	10.316,014	135.114,579	13,098	12,627	81	86	18.531	52,943	189,040	3,571	3,100
32	37	96.958	9.583,292	124.798,564	13,023	12,552	82	87	15.294	40,648	136,097	3,348	2,878
33	38	96.820	8.901,925	115.215,272	12,943	12,472	83	88	12.225	30,224	95,449	3,158	2,688
34	39	96.667	8.267,809	106.313,347	12,859	12,388	84	89	9.535	21,929	65,225	2,974	2,504
35	40	96.497	7.677,491	98.045,538	12,771	12,300	85	90	7.226	15,460	43,295	2,800	2,330
36	41	96.313	7.128,171	90.368,047	12,678	12,207	86	91	5.343	10,632	27,835	2,618	2,148
37	42	96.109	6.616,825	83.239,876	12,580	12,110	87	92	3.766	6,973	17,203	2,467	1,997
38	43	95.885	6.140,835	76.623,051	12,478	12,007	88	93	2.543	4,380	10,230	2,336	1,865
39	44	95.628	5.697,129	70.482,216	12,372	11,901	89	94	1.647	2,638	5,850	2,217	1,747
40	45	95.348	5.284,121	64.785,088	12,260	11,790	90	95	1.022	1,524	3,212	2,108	1,638
41	46	95.033	4.899,213	59.500,967	12,145	11,675	91	96	608	0,842	1,688	2,005	1,535
42	47	94.682	4.540,580	54.601,754	12,025	11,555	92	97	343	0,442	0,846	1,913	1,443
43	48	94.289	4.206,284	50.061,174	11,902	11,431	93	98	184	0,221	0,404	1,829	1,359
44	49	93.857	3.894,862	45.854,889	11,773	11,303	94	99	94	0,104	0,183	1,753	1,283
45	50	93.379	3.604,711	41.960,027	11,640	11,170	95	100	45	0,047	0,079	1,684	1,213
46	51	92.857	3.334,455	38.355,317	11,503	11,032	96	101	20	0,020	0,032	1,620	1,150
47	52	92.285	3.082,705	35.020,862	11,360	10,890	97	102	9	0,008	0,012	1,562	1,092
48	53	91.661	2.848,247	31.938,157	11,213	10,743	98	103	3	0,003	0,004	1,510	1,039
49	54	90.998	2.630,384	29.089,910	11,059	10,589	99	104	1	0,001	0,001	1,462	0,991
							100	105	0	0,000	0,000	1,418	0,948

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -6 Jahre

Zinsfuß 7,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	6	99.522	99.521,980	1.399.617,844	14,063	13,593	50	56	89.933	2.418,222	26.164,180	10,820	10,349
1	7	99.059	92.147,723	1.300.095,863	14,109	13,639	51	57	89.128	2.229,375	23.745,958	10,651	10,181
2	8	99.010	85.676,720	1.207.948,140	14,099	13,629	52	58	88.271	2.053,885	21.516,583	10,476	10,006
3	9	98.981	79.675,580	1.122.271,420	14,086	13,615	53	59	87.330	1.890,239	19.462,698	10,296	9,826
4	10	98.956	74.098,510	1.042.595,840	14,070	13,600	54	60	86.340	1.738,427	17.572,459	10,108	9,638
5	11	98.935	68.913,807	968.497,330	14,054	13,583	55	61	85.282	1.597,320	15.834,032	9,913	9,443
6	12	98.912	64.091,077	899.583,524	14,036	13,566	56	62	84.167	1.466,457	14.236,713	9,708	9,238
7	13	98.892	59.607,595	835.492,446	14,017	13,546	57	63	82.983	1.344,946	12.770,255	9,495	9,025
8	14	98.870	55.436,707	775.884,851	13,996	13,526	58	64	81.705	1.231,851	11.425,309	9,275	8,805
9	15	98.847	51.556,890	720.448,144	13,974	13,504	59	65	80.335	1.126,687	10.193,458	9,047	8,577
10	16	98.820	47.946,841	668.891,254	13,951	13,480	60	66	78.841	1.028,595	9.066,771	8,815	8,344
11	17	98.790	44.588,077	620.944,412	13,926	13,456	61	67	77.247	937,492	8.038,176	8,574	8,104
12	18	98.754	41.462,164	576.356,335	13,901	13,430	62	68	75.544	852,852	7.100,685	8,326	7,856
13	19	98.712	38.553,328	534.894,171	13,874	13,404	63	69	73.674	773,713	6.247,832	8,075	7,605
14	20	98.672	35.848,970	496.340,843	13,845	13,375	64	70	71.683	700,282	5.474,119	7,817	7,347
15	21	98.623	33.331,196	460.491,873	13,816	13,345	65	71	69.549	632,032	4.773,837	7,553	7,083
16	22	98.576	30.990,865	427.160,677	13,783	13,313	66	72	67.223	568,275	4.141,805	7,288	6,818
17	23	98.511	28.809,868	396.169,812	13,751	13,281	67	73	64.748	509,165	3.573,530	7,018	6,548
18	24	98.435	26.779,305	367.359,945	13,718	13,248	68	74	62.070	454,054	3.064,366	6,749	6,279
19	25	98.334	24.885,323	340.580,640	13,686	13,216	69	75	59.223	403,004	2.610,312	6,477	6,007
20	26	98.231	23.124,802	315.695,317	13,652	13,182	70	76	56.202	355,764	2.207,308	6,204	5,734
21	27	98.129	21.489,071	292.570,515	13,615	13,145	71	77	53.019	312,198	1.851,545	5,931	5,460
22	28	98.023	19.968,339	271.081,443	13,576	13,105	72	78	49.679	272,121	1.539,347	5,657	5,187
23	29	97.920	18.555,685	251.113,104	13,533	13,063	73	79	46.153	235,173	1.267,226	5,388	4,918
24	30	97.819	17.243,259	232.557,420	13,487	13,017	74	80	42.497	201,435	1.032,053	5,124	4,653
25	31	97.716	16.023,355	215.314,160	13,438	12,967	75	81	38.711	170,685	830,618	4,866	4,396
26	32	97.610	14.889,223	199.290,806	13,385	12,915	76	82	34.863	142,994	659,933	4,615	4,145
27	33	97.505	13.835,613	184.401,583	13,328	12,858	77	83	30.983	118,215	516,939	4,373	3,903
28	34	97.396	12.855,995	170.565,970	13,267	12,797	78	84	27.188	96,499	398,724	4,132	3,662
29	35	97.279	11.944,672	157.709,975	13,203	12,733	79	85	23.486	77,542	302,225	3,898	3,427
30	36	97.161	11.097,823	145.765,303	13,135	12,664	80	86	20.018	61,483	224,683	3,654	3,184
31	37	97.035	10.310,181	134.667,480	13,062	12,591	81	87	16.663	47,605	163,200	3,428	2,958
32	38	96.899	9.577,416	124.357,299	12,984	12,514	82	88	13.492	35,857	115,595	3,224	2,754
33	39	96.752	8.895,698	114.779,883	12,903	12,433	83	89	10.617	26,249	79,739	3,038	2,568
34	40	96.590	8.261,193	105.884,185	12,817	12,347	84	90	8.122	18,679	53,490	2,864	2,393
35	41	96.413	7.670,811	97.622,992	12,727	12,256	85	91	6.045	12,933	34,811	2,692	2,221
36	42	96.217	7.121,125	89.952,181	12,632	12,161	86	92	4.341	8,640	21,878	2,532	2,062
37	43	96.001	6.609,383	82.831,056	12,532	12,062	87	93	2.993	5,540	13,238	2,389	1,919
38	44	95.760	6.132,864	76.221,673	12,428	11,958	88	94	1.974	3,399	7,698	2,265	1,795
39	45	95.495	5.689,198	70.088,809	12,320	11,849	89	95	1.247	1,997	4,299	2,153	1,682
40	46	95.197	5.275,740	64.399,611	12,207	11,736	90	96	754	1,123	2,302	2,049	1,579
41	47	94.862	4.890,414	59.123,871	12,090	11,619	91	97	436	0,604	1,179	1,951	1,481
42	48	94.498	4.531,751	54.233,457	11,967	11,497	92	98	239	0,308	0,575	1,865	1,394
43	49	94.089	4.197,367	49.701,706	11,841	11,371	93	99	124	0,149	0,266	1,785	1,315
44	50	93.631	3.885,488	45.504,339	11,711	11,241	94	100	61	0,068	0,117	1,713	1,243
45	51	93.144	3.595,603	41.618,851	11,575	11,105	95	101	29	0,030	0,049	1,647	1,177
46	52	92.599	3.325,194	38.023,248	11,435	10,965	96	102	13	0,012	0,019	1,587	1,117
47	53	92.006	3.073,385	34.698,054	11,290	10,820	97	103	5	0,005	0,007	1,532	1,062
48	54	91.371	2.839,254	31.624,669	11,138	10,668	98	104	2	0,002	0,002	1,482	1,012
49	55	90.682	2.621,235	28.785,415	10,982	10,511	99	105	1	0,001	0,001	1,437	0,966
							100	106					

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -7 Jahre

Zinsfuß 7,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	7	99.513	99.512,810	1.398.907,219	14,058	13,587	50	57	89.572	2.408,513	25.846,886	10,731	10,261
1	8	99.050	92.139,698	1.299.394,409	14,102	13,632	51	58	88.730	2.219,425	23.438,373	10,561	10,090
2	9	99.001	85.668,496	1.207.254,711	14,092	13,622	52	59	87.846	2.043,995	21.218,948	10,381	9,911
3	10	98.974	79.670,432	1.121.586,215	14,078	13,608	53	60	86.886	1.880,629	19.174,953	10,196	9,726
4	11	98.948	74.092,278	1.041.915,783	14,062	13,592	54	61	85.865	1.728,858	17.294,324	10,003	9,533
5	12	98.925	68.907,344	967.823,505	14,045	13,575	55	62	84.802	1.588,331	15.565,466	9,800	9,330
6	13	98.903	64.085,634	898.916,161	14,027	13,557	56	63	83.638	1.457,229	13.977,135	9,592	9,121
7	14	98.882	59.601,820	834.830,527	14,007	13,537	57	64	82.418	1.335,798	12.519,906	9,373	8,902
8	15	98.859	55.430,248	775.228,707	13,986	13,515	58	65	81.108	1.222,843	11.184,108	9,146	8,676
9	16	98.829	51.547,678	719.798,459	13,964	13,493	59	66	79.679	1.117,485	9.961,265	8,914	8,444
10	17	98.799	47.936,687	668.250,781	13,940	13,470	60	67	78.127	1.019,279	8.843,780	8,677	8,206
11	18	98.768	44.578,267	620.314,093	13,915	13,445	61	68	76.462	927,962	7.824,501	8,432	7,962
12	19	98.725	41.450,240	575.735,827	13,890	13,420	62	69	74.680	843,098	6.896,539	8,180	7,710
13	20	98.685	38.542,640	534.285,586	13,862	13,392	63	70	72.734	763,842	6.053,441	7,925	7,455
14	21	98.641	35.837,647	495.742,946	13,833	13,363	64	71	70.664	690,329	5.289,600	7,662	7,192
15	22	98.599	33.323,041	459.905,299	13,801	13,331	65	72	68.421	621,785	4.599,271	7,397	6,927
16	23	98.549	30.982,475	426.582,258	13,769	13,298	66	73	66.011	558,030	3.977,486	7,128	6,657
17	24	98.485	28.802,351	395.599,784	13,735	13,265	67	74	63.429	498,772	3.419,456	6,855	6,385
18	25	98.409	26.772,029	366.797,433	13,701	13,230	68	75	60.657	443,719	2.920,664	6,582	6,112
19	26	98.310	24.879,200	340.025,403	13,667	13,197	69	76	57.688	392,555	2.476,946	6,310	5,840
20	27	98.203	23.118,328	315.146,204	13,632	13,162	70	77	54.575	345,465	2.084,391	6,034	5,563
21	28	98.100	21.482,809	292.027,876	13,594	13,123	71	78	51.294	302,041	1.738,926	5,757	5,287
22	29	97.994	19.962,412	270.545,067	13,553	13,082	72	79	47.838	262,035	1.436,885	5,484	5,013
23	30	97.891	18.550,253	250.582,655	13,508	13,038	73	80	44.212	225,280	1.174,849	5,215	4,745
24	31	97.787	17.237,614	232.032,402	13,461	12,991	74	81	40.427	191,622	949,569	4,955	4,485
25	32	97.681	16.017,631	214.794,788	13,410	12,940	75	82	36.553	161,171	757,947	4,703	4,232
26	33	97.575	14.883,929	198.777,157	13,355	12,885	76	83	32.610	133,753	596,777	4,462	3,991
27	34	97.466	13.830,085	183.893,229	13,297	12,826	77	84	28.763	109,744	463,024	4,219	3,749
28	35	97.351	12.849,968	170.063,144	13,235	12,764	78	85	25.004	88,745	353,280	3,981	3,511
29	36	97.229	11.938,557	157.213,176	13,169	12,698	79	86	21.447	70,809	264,535	3,736	3,266
30	37	97.106	11.091,548	145.274,619	13,098	12,627	80	87	18.000	55,284	193,726	3,504	3,034
31	38	96.976	10.303,859	134.183,072	13,023	12,552	81	88	14.698	41,994	138,442	3,297	2,826
32	39	96.831	9.570,716	123.879,213	12,944	12,473	82	89	11.717	31,140	96,448	3,097	2,627
33	40	96.674	8.888,579	114.308,497	12,860	12,390	83	90	9.044	22,358	65,308	2,921	2,451
34	41	96.506	8.254,006	105.419,918	12,772	12,302	84	91	6.794	15,626	42,949	2,749	2,278
35	42	96.318	7.663,229	97.165,912	12,680	12,209	85	92	4.912	10,509	27,324	2,600	2,130
36	43	96.109	7.113,116	89.502,683	12,583	12,112	86	93	3.450	6,865	16,815	2,449	1,979
37	44	95.876	6.600,804	82.389,567	12,482	12,011	87	94	2.322	4,299	9,949	2,314	1,844
38	45	95.627	6.124,327	75.788,763	12,375	11,905	88	95	1.494	2,572	5,650	2,196	1,726
39	46	95.344	5.680,175	69.664,436	12,264	11,794	89	96	919	1,472	3,077	2,090	1,620
40	47	95.026	5.266,265	63.984,261	12,150	11,680	90	97	541	0,806	1,605	1,993	1,522
41	48	94.678	4.880,904	58.717,996	12,030	11,560	91	98	304	0,421	0,800	1,900	1,430
42	49	94.297	4.522,144	53.837,092	11,905	11,435	92	99	162	0,208	0,379	1,818	1,348
43	50	93.863	4.187,265	49.314,949	11,777	11,307	93	100	82	0,098	0,170	1,743	1,273
44	51	93.394	3.875,671	45.127,684	11,644	11,174	94	101	39	0,043	0,073	1,675	1,204
45	52	92.885	3.585,617	41.252,013	11,505	11,035	95	102	17	0,018	0,029	1,612	1,142
46	53	92.319	3.315,141	37.666,396	11,362	10,892	96	103	7	0,007	0,011	1,555	1,085
47	54	91.715	3.063,681	34.351,254	11,212	10,742	97	104	3	0,003	0,004	1,503	1,033
48	55	91.054	2.829,378	31.287,573	11,058	10,588	98	105	1	0,001	0,001	1,456	0,986
49	56	90.339	2.611,309	28.458,195	10,898	10,428	99	106					
							100	107					

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -8 Jahre

Zinsfuß 7,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	8	99.504	99.504,143	1.398.142,640	14,051	13,581	50	58	89.172	2.397,764	25.506,249	10,638	10,167
1	9	99.041	92.130,853	1.298.638,497	14,096	13,625	51	59	88.303	2.208,737	23.108,485	10,462	9,992
2	10	98.994	85.662,961	1.206.507,644	14,084	13,614	52	60	87.399	2.033,603	20.899,748	10,277	9,807
3	11	98.966	79.663,732	1.120.844,683	14,070	13,599	53	61	86.408	1.870,278	18.866,144	10,087	9,617
4	12	98.939	74.085,330	1.041.180,951	14,054	13,584	54	62	85.382	1.719,129	16.995,866	9,886	9,416
5	13	98.917	68.901,492	967.095,621	14,036	13,566	55	63	84.268	1.578,336	15.276,738	9,679	9,209
6	14	98.894	64.079,425	898.194,129	14,017	13,547	56	64	83.069	1.447,317	13.698,402	9,465	8,994
7	15	98.871	59.594,875	834.114,704	13,996	13,526	57	65	81.816	1.326,030	12.251,084	9,239	8,769
8	16	98.841	55.420,344	774.519,829	13,975	13,505	58	66	80.445	1.212,855	10.925,055	9,008	8,537
9	17	98.808	51.536,762	719.099,486	13,953	13,483	59	67	78.957	1.107,365	9.712,200	8,771	8,300
10	18	98.777	47.926,140	667.562,724	13,929	13,459	60	68	77.333	1.008,918	8.604,835	8,529	8,058
11	19	98.740	44.565,447	619.636,583	13,904	13,434	61	69	75.588	917,348	7.595,917	8,280	7,810
12	20	98.698	41.438,750	575.071,137	13,878	13,407	62	70	73.727	832,341	6.678,568	8,024	7,554
13	21	98.654	38.530,466	533.632,387	13,850	13,379	63	71	71.700	752,985	5.846,227	7,764	7,294
14	22	98.617	35.828,879	495.101,920	13,819	13,348	64	72	69.518	679,137	5.093,242	7,500	7,029
15	23	98.572	33.314,019	459.273,042	13,786	13,316	65	73	67.188	610,575	4.414,105	7,229	6,759
16	24	98.523	30.974,391	425.959,023	13,752	13,282	66	74	64.666	546,661	3.803,530	6,958	6,487
17	25	98.459	28.794,526	394.984,632	13,717	13,247	67	75	61.985	487,438	3.256,869	6,682	6,211
18	26	98.385	26.765,442	366.190,106	13,681	13,211	68	76	59.085	432,214	2.769,431	6,408	5,937
19	27	98.282	24.872,235	339.424,664	13,647	13,176	69	77	56.018	381,191	2.337,217	6,131	5,661
20	28	98.175	23.111,590	314.552,430	13,610	13,140	70	78	52.800	334,226	1.956,026	5,852	5,382
21	29	98.071	21.476,432	291.440,839	13,570	13,100	71	79	49.393	290,847	1.621,800	5,576	5,106
22	30	97.965	19.956,569	269.964,407	13,528	13,057	72	80	45.825	251,013	1.330,952	5,302	4,832
23	31	97.859	18.544,180	250.007,838	13,482	13,011	73	81	42.058	214,305	1.079,940	5,039	4,569
24	32	97.752	17.231,456	231.463,659	13,433	12,962	74	82	38.173	180,940	865,634	4,784	4,314
25	33	97.646	16.011,935	214.232,202	13,380	12,909	75	83	34.191	150,755	684,694	4,542	4,071
26	34	97.536	14.877,981	198.220,267	13,323	12,853	76	84	30.273	124,169	533,939	4,300	3,830
27	35	97.420	13.823,601	183.342,286	13,263	12,793	77	85	26.451	100,925	409,770	4,060	3,590
28	36	97.301	12.843,389	169.518,685	13,199	12,729	78	86	22.833	81,039	308,846	3,811	3,341
29	37	97.174	11.931,806	156.675,296	13,131	12,661	79	87	19.284	63,671	227,806	3,578	3,108
30	38	97.046	11.084,746	144.743,490	13,058	12,588	80	88	15.878	48,768	164,136	3,366	2,895
31	39	96.908	10.296,651	133.658,744	12,981	12,511	81	89	12.765	36,470	115,368	3,163	2,693
32	40	96.754	9.563,057	123.362,093	12,900	12,430	82	90	9.980	26,525	78,898	2,975	2,504
33	41	96.590	8.880,846	113.799,035	12,814	12,344	83	91	7.565	18,703	52,373	2,800	2,330
34	42	96.410	8.245,847	104.918,189	12,724	12,253	84	92	5.521	12,697	33,670	2,652	2,181
35	43	96.210	7.654,610	96.672,342	12,629	12,159	85	93	3.903	8,351	20,972	2,511	2,041
36	44	95.984	7.103,883	89.017,732	12,531	12,061	86	94	2.677	5,328	12,622	2,369	1,899
37	45	95.743	6.591,615	81.913,849	12,427	11,957	87	95	1.758	3,254	7,294	2,242	1,771
38	46	95.475	6.114,614	75.322,234	12,318	11,848	88	96	1.101	1,896	4,040	2,130	1,660
39	47	95.172	5.669,974	69.207,620	12,206	11,736	89	97	659	1,056	2,144	2,030	1,560
40	48	94.841	5.256,024	63.537,646	12,089	11,618	90	98	377	0,561	1,088	1,938	1,468
41	49	94.477	4.870,557	58.281,623	11,966	11,496	91	99	205	0,284	0,526	1,851	1,380
42	50	94.070	4.511,260	53.411,066	11,840	11,369	92	100	106	0,136	0,242	1,773	1,303
43	51	93.626	4.176,686	48.899,806	11,708	11,238	93	101	52	0,062	0,106	1,702	1,232
44	52	93.135	3.864,907	44.723,120	11,572	11,101	94	102	24	0,027	0,044	1,638	1,167
45	53	92.604	3.574,777	40.858,213	11,430	10,959	95	103	10	0,011	0,017	1,578	1,108
46	54	92.028	3.304,674	37.283,436	11,282	10,812	96	104	4	0,004	0,006	1,525	1,054
47	55	91.396	3.053,025	33.978,762	11,130	10,659	97	105	2	0,001	0,002	1,475	1,005
48	56	90.709	2.818,664	30.925,738	10,972	10,501	98	106					
49	57	89.976	2.600,825	28.107,074	10,807	10,337	99	107					
							100	108					

Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente nach der Sterbetafel 2002/2004

Altersdifferenz zwischen Mann und Frau (x - y) = -9 Jahre

Zinsfuß 7,50%

Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	9	99.495	99.494,592	1.397.319,200	14,044	13,574	50	59	88.743	2.386,217	25.141,361	10,536	10,066
1	10	99.034	92.124,900	1.297.824,608	14,088	13,617	51	60	87.854	2.197,508	22.755,144	10,355	9,885
2	11	98.986	85.655,757	1.205.699,708	14,076	13,606	52	61	86.918	2.022,410	20.557,635	10,165	9,695
3	12	98.957	79.656,261	1.120.043,951	14,061	13,591	53	62	85.922	1.859,753	18.535,226	9,966	9,496
4	13	98.930	74.079,038	1.040.387,690	14,044	13,574	54	63	84.845	1.708,311	16.675,472	9,761	9,291
5	14	98.907	68.894,816	966.308,652	14,026	13,556	55	64	83.695	1.567,600	14.967,162	9,548	9,078
6	15	98.882	64.071,958	897.413,836	14,006	13,536	56	65	82.461	1.436,733	13.399,561	9,326	8,856
7	16	98.853	59.584,227	833.341,878	13,986	13,516	57	66	81.147	1.315,199	11.962,828	9,096	8,626
8	17	98.820	55.408,607	773.757,651	13,965	13,494	58	67	79.717	1.201,871	10.647,629	8,859	8,389
9	18	98.787	51.525,423	718.349,043	13,942	13,471	59	68	78.154	1.096,108	9.445,758	8,618	8,147
10	19	98.749	47.912,357	666.823,621	13,918	13,447	60	69	76.448	997,378	8.349,650	8,372	7,901
11	20	98.712	44.553,093	618.911,263	13,892	13,421	61	70	74.623	905,645	7.352,271	8,118	7,648
12	21	98.667	41.425,661	574.358,171	13,865	13,395	62	71	72.679	820,511	6.446,626	7,857	7,387
13	22	98.630	38.521,039	532.932,509	13,835	13,365	63	72	70.538	740,777	5.626,116	7,595	7,125
14	23	98.590	35.819,178	494.411,470	13,803	13,333	64	73	68.265	666,893	4.885,338	7,326	6,855
15	24	98.546	33.305,327	458.592,292	13,769	13,299	65	74	65.819	598,136	4.218,445	7,053	6,582
16	25	98.496	30.965,976	425.286,965	13,734	13,264	66	75	63.194	534,218	3.620,309	6,777	6,307
17	26	98.434	28.787,441	394.320,989	13,698	13,227	67	76	60.378	474,800	3.086,091	6,500	6,029
18	27	98.357	26.757,948	365.533,548	13,661	13,190	68	77	57.374	419,702	2.611,291	6,222	5,751
19	28	98.254	24.864,986	338.775,600	13,625	13,154	69	78	54.195	368,790	2.191,589	5,943	5,472
20	29	98.145	23.104,730	313.910,614	13,586	13,116	70	79	50.843	321,839	1.822,799	5,664	5,193
21	30	98.042	21.470,146	290.805,884	13,545	13,074	71	80	47.315	278,612	1.500,960	5,387	4,917
22	31	97.933	19.950,035	269.335,738	13,501	13,030	72	81	43.593	238,785	1.222,347	5,119	4,649
23	32	97.824	18.537,556	249.385,703	13,453	12,983	73	82	39.714	202,359	983,563	4,860	4,390
24	33	97.717	17.225,329	230.848,147	13,402	12,931	74	83	35.707	169,247	781,204	4,616	4,145
25	34	97.607	16.005,537	213.622,818	13,347	12,877	75	84	31.741	139,952	611,956	4,373	3,902
26	35	97.490	14.871,006	197.617,281	13,289	12,818	76	85	27.840	114,190	472,004	4,133	3,663
27	36	97.370	13.816,524	182.746,275	13,227	12,756	77	86	24.155	92,162	357,814	3,882	3,412
28	37	97.246	12.836,126	168.929,751	13,160	12,690	78	87	20.531	72,869	265,652	3,646	3,175
29	38	97.115	11.924,489	156.093,624	13,090	12,620	79	88	17.011	56,165	192,783	3,432	2,962
30	39	96.979	11.076,992	144.169,135	13,015	12,545	80	89	13.790	42,353	136,617	3,226	2,755
31	40	96.830	10.288,411	133.092,143	12,936	12,466	81	90	10.873	31,065	94,264	3,034	2,564
32	41	96.670	9.554,738	122.803,732	12,853	12,382	82	91	8.349	22,189	63,199	2,848	2,378
33	42	96.495	8.872,068	113.248,994	12,765	12,294	83	92	6.148	15,198	41,011	2,698	2,228
34	43	96.302	8.236,573	104.376,927	12,672	12,202	84	93	4.387	10,090	25,812	2,558	2,088
35	44	96.085	7.644,674	96.140,354	12,576	12,106	85	94	3.029	6,480	15,723	2,426	1,956
36	45	95.851	7.093,994	88.495,680	12,475	12,004	86	95	2.026	4,032	9,242	2,292	1,822
37	46	95.591	6.581,161	81.401,685	12,369	11,899	87	96	1.296	2,399	5,210	2,172	1,702
38	47	95.304	6.103,632	74.820,524	12,258	11,788	88	97	790	1,360	2,811	2,067	1,597
39	48	94.987	5.658,947	68.716,892	12,143	11,673	89	98	459	0,736	1,451	1,973	1,502
40	49	94.640	5.244,881	63.057,945	12,023	11,552	90	99	255	0,379	0,715	1,886	1,415
41	50	94.250	4.858,835	57.813,063	11,899	11,428	91	100	134	0,186	0,336	1,803	1,333
42	51	93.833	4.499,862	52.954,229	11,768	11,298	92	101	67	0,087	0,150	1,730	1,260
43	52	93.366	4.165,086	48.454,367	11,633	11,163	93	102	32	0,038	0,063	1,663	1,193
44	53	92.853	3.853,223	44.289,281	11,494	11,024	94	103	14	0,016	0,025	1,602	1,132
45	54	92.312	3.563,489	40.436,058	11,347	10,877	95	104	6	0,006	0,009	1,546	1,076
46	55	91.707	3.293,179	36.872,569	11,197	10,726	96	105	2	0,002	0,003	1,495	1,025
47	56	91.050	3.041,463	33.579,389	11,041	10,570	97	106					
48	57	90.345	2.807,348	30.537,926	10,878	10,408	98	107					
49	58	89.574	2.589,217	27.730,578	10,710	10,240	99	108					
							100	109					

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -10 Jahre

Zinsfuß 7,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	10	99.488	99.488,163	1.396.433,160	14,036	13,566	50	60	88.292	2.374,086	24.751,019	10,425	9,955
1	11	99.026	92.117,153	1.296.944,997	14,079	13,609	51	61	87.371	2.185,413	22.376,933	10,239	9,769
2	12	98.977	85.647,724	1.204.827,844	14,067	13,597	52	62	86.429	2.011,029	20.191,520	10,040	9,570
3	13	98.948	79.649,496	1.119.180,120	14,051	13,581	53	63	85.381	1.848,050	18.180,491	9,838	9,367
4	14	98.921	74.071,861	1.039.530,624	14,034	13,564	54	64	84.267	1.696,691	16.332,441	9,626	9,156
5	15	98.896	68.886,788	965.458,763	14,015	13,545	55	65	83.083	1.556,137	14.635,750	9,405	8,935
6	16	98.865	64.060,510	896.571,975	13,996	13,525	56	66	81.788	1.424,999	13.079,613	9,179	8,708
7	17	98.832	59.571,609	832.511,465	13,975	13,505	57	67	80.412	1.303,288	11.654,614	8,942	8,472
8	18	98.798	55.396,416	772.939,856	13,953	13,483	58	68	78.906	1.189,654	10.351,326	8,701	8,231
9	19	98.758	51.510,604	717.543,440	13,930	13,460	59	69	77.260	1.083,571	9.161,672	8,455	7,985
10	20	98.722	47.899,076	666.032,835	13,905	13,435	60	70	75.473	984,654	8.078,100	8,204	7,734
11	21	98.681	44.539,020	618.133,760	13,878	13,408	61	71	73.563	892,772	7.093,447	7,945	7,475
12	22	98.643	41.415,526	573.594,739	13,850	13,379	62	72	71.501	807,208	6.200,674	7,682	7,211
13	23	98.603	38.510,610	532.179,214	13,819	13,349	63	73	69.266	727,422	5.393,466	7,414	6,944
14	24	98.565	35.809,833	493.668,604	13,786	13,316	64	74	66.874	653,307	4.666,044	7,142	6,672
15	25	98.520	33.296,278	457.858,771	13,751	13,281	65	75	64.321	584,521	4.012,738	6,865	6,395
16	26	98.472	30.958,356	424.562,492	13,714	13,244	66	76	61.556	520,367	3.428,216	6,588	6,118
17	27	98.407	28.779,381	393.604,136	13,677	13,206	67	77	58.630	461,056	2.907,849	6,307	5,837
18	28	98.328	26.750,150	364.824,755	13,638	13,168	68	78	55.508	406,048	2.446,793	6,026	5,556
19	29	98.225	24.857,606	338.074,604	13,600	13,130	69	79	52.187	355,122	2.040,745	5,747	5,276
20	30	98.117	23.097,967	313.216,999	13,560	13,090	70	80	48.704	308,300	1.685,623	5,467	4,997
21	31	98.010	21.463,116	290.119,031	13,517	13,047	71	81	45.010	265,040	1.377,323	5,197	4,726
22	32	97.898	19.942,908	268.655,915	13,471	13,001	72	82	41.163	225,474	1.112,283	4,933	4,463
23	33	97.790	18.530,964	248.713,007	13,421	12,951	73	83	37.147	189,282	886,809	4,685	4,215
24	34	97.678	17.218,446	230.182,043	13,368	12,898	74	84	33.148	157,119	697,527	4,439	3,969
25	35	97.561	15.998,034	212.963,597	13,312	12,842	75	85	29.190	128,705	540,408	4,199	3,729
26	36	97.440	14.863,393	196.965,563	13,252	12,781	76	86	25.423	104,276	411,702	3,948	3,478
27	37	97.315	13.808,711	182.102,170	13,187	12,717	77	87	21.720	82,871	307,426	3,710	3,239
28	38	97.186	12.828,255	168.293,459	13,119	12,649	78	88	18.111	64,280	224,556	3,493	3,023
29	39	97.047	11.916,148	155.465,203	13,047	12,576	79	89	14.774	48,778	160,276	3,286	2,816
30	40	96.901	11.068,128	143.549,056	12,970	12,499	80	90	11.746	36,075	111,498	3,091	2,620
31	41	96.746	10.279,460	132.480,928	12,888	12,418	81	91	9.096	25,987	75,423	2,902	2,432
32	42	96.574	9.545,293	122.201,468	12,802	12,332	82	92	6.784	18,031	49,436	2,742	2,271
33	43	96.386	8.862,090	112.656,175	12,712	12,242	83	93	4.885	12,077	31,405	2,600	2,130
34	44	96.177	8.225,881	103.794,085	12,618	12,148	84	94	3.404	7,830	19,328	2,469	1,998
35	45	95.951	7.634,033	95.568,204	12,519	12,048	85	95	2.293	4,905	11,499	2,345	1,874
36	46	95.699	7.082,743	87.934,171	12,415	11,945	86	96	1.494	2,973	6,594	2,218	1,748
37	47	95.419	6.569,341	80.851,428	12,307	11,837	87	97	929	1,720	3,622	2,105	1,635
38	48	95.118	6.091,763	74.282,086	12,194	11,724	88	98	550	0,948	1,901	2,006	1,536
39	49	94.786	5.646,951	68.190,323	12,076	11,605	89	99	310	0,497	0,954	1,917	1,447
40	50	94.412	5.232,258	62.543,373	11,953	11,483	90	100	167	0,249	0,456	1,835	1,365
41	51	94.011	4.846,558	57.311,114	11,825	11,355	91	101	85	0,118	0,208	1,758	1,287
42	52	93.572	4.487,365	52.464,556	11,692	11,221	92	102	41	0,053	0,090	1,689	1,218
43	53	93.084	4.152,494	47.977,191	11,554	11,084	93	103	19	0,022	0,037	1,626	1,155
44	54	92.560	3.841,056	43.824,697	11,410	10,939	94	104	8	0,009	0,014	1,568	1,098
45	55	91.991	3.551,095	39.983,641	11,260	10,789	95	105	3	0,003	0,005	1,515	1,045
46	56	91.360	3.280,709	36.432,547	11,105	10,635	96	106					
47	57	90.685	3.029,253	33.151,838	10,944	10,474	97	107					
48	58	89.941	2.794,818	30.122,586	10,778	10,308	98	108					
49	59	89.143	2.576,749	27.327,767	10,606	10,135	99	109					
							100	110					

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -11 Jahre

Zinsfuß 7,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	11	99.480	99.479,797	1.395.476,201	14,028	13,557	50	61	87.806	2.361,018	24.333,730	10,306	9,836
1	12	99.017	92.108,514	1.295.996,404	14,070	13,600	51	62	86.879	2.173,115	21.972,711	10,111	9,641
2	13	98.968	85.640,450	1.203.887,890	14,057	13,587	52	63	85.885	1.998,374	19.799,597	9,908	9,438
3	14	98.939	79.641,779	1.118.247,439	14,041	13,571	53	64	84.800	1.835,480	17.801,223	9,698	9,228
4	15	98.909	74.063,229	1.038.605,660	14,023	13,553	54	65	83.651	1.684,283	15.965,743	9,479	9,009
5	16	98.878	68.874,480	964.542,431	14,004	13,534	55	66	82.405	1.543,427	14.281,459	9,253	8,783
6	17	98.844	64.046,944	895.667,951	13,985	13,514	56	67	81.047	1.412,093	12.738,032	9,021	8,550
7	18	98.810	59.558,502	831.621,007	13,963	13,493	57	68	79.595	1.290,040	11.325,939	8,780	8,309
8	19	98.770	55.380,485	772.062,505	13,941	13,471	58	69	78.004	1.176,047	10.035,899	8,534	8,063
9	20	98.731	51.496,325	716.682,021	13,917	13,447	59	70	76.275	1.069,747	8.859,851	8,282	7,812
10	21	98.690	47.883,946	665.185,695	13,892	13,421	60	71	74.400	970,658	7.790,104	8,026	7,555
11	22	98.657	44.528,123	617.301,749	13,863	13,393	61	72	72.370	878,299	6.819,446	7,764	7,294
12	23	98.616	41.404,313	572.773,626	13,834	13,363	62	73	70.212	792,655	5.941,148	7,495	7,025
13	24	98.577	38.500,562	531.369,313	13,802	13,331	63	74	67.855	712,602	5.148,492	7,225	6,755
14	25	98.538	35.800,104	492.868,751	13,767	13,297	64	75	65.352	638,436	4.435,890	6,948	6,478
15	26	98.495	33.288,085	457.068,647	13,731	13,260	65	76	62.653	569,366	3.797,454	6,670	6,199
16	27	98.445	30.949,689	423.780,561	13,693	13,222	66	77	59.774	505,304	3.228,088	6,388	5,918
17	28	98.378	28.770,994	392.830,872	13,654	13,183	67	78	56.723	446,056	2.722,784	6,104	5,634
18	29	98.299	26.742,210	364.059,878	13,614	13,143	68	79	53.450	390,999	2.276,728	5,823	5,353
19	30	98.196	24.850,330	337.317,668	13,574	13,104	69	80	49.992	340,183	1.885,728	5,543	5,073
20	31	98.085	23.090,405	312.467,338	13,532	13,062	70	81	46.332	293,282	1.545,545	5,270	4,800
21	32	97.975	21.455,449	289.376,933	13,487	13,017	71	82	42.501	250,266	1.252,264	5,004	4,533
22	33	97.863	19.935,817	267.921,484	13,439	12,969	72	83	38.503	210,903	1.001,998	4,751	4,281
23	34	97.751	18.523,559	247.985,667	13,388	12,917	73	84	34.485	175,718	791,095	4,502	4,032
24	35	97.632	17.210,374	229.462,107	13,333	12,862	74	85	30.484	144,493	615,377	4,259	3,789
25	36	97.511	15.989,843	212.251,733	13,274	12,804	75	86	26.655	117,531	470,884	4,006	3,536
26	37	97.385	14.854,988	196.261,890	13,212	12,742	76	87	22.860	93,763	353,353	3,769	3,298
27	38	97.256	13.800,243	181.406,902	13,145	12,675	77	88	19.159	73,102	259,590	3,551	3,081
28	39	97.118	12.819,282	167.606,658	13,075	12,604	78	89	15.729	55,825	186,488	3,341	2,870
29	40	96.969	11.906,612	154.787,377	13,000	12,530	79	90	12.584	41,548	130,663	3,145	2,675
30	41	96.817	11.058,499	142.880,765	12,920	12,450	80	91	9.826	30,179	89,115	2,953	2,483
31	42	96.650	10.269,299	131.822,266	12,837	12,366	81	92	7.391	21,117	58,936	2,791	2,321
32	43	96.465	9.534,557	121.552,967	12,749	12,278	82	93	5.391	14,327	37,819	2,640	2,169
33	44	96.261	8.850,586	112.018,409	12,657	12,186	83	94	3.791	9,372	23,492	2,507	2,036
34	45	96.043	8.214,431	103.167,823	12,559	12,089	84	95	2.577	5,926	14,120	2,383	1,913
35	46	95.799	7.621,925	94.953,392	12,458	11,988	85	96	1.690	3,616	8,194	2,266	1,796
36	47	95.527	7.070,023	87.331,467	12,352	11,882	86	97	1.071	2,132	4,579	2,148	1,677
37	48	95.233	6.556,566	80.261,444	12,241	11,771	87	98	648	1,199	2,447	2,041	1,571
38	49	94.917	6.078,849	73.704,878	12,125	11,655	88	99	372	0,641	1,248	1,948	1,478
39	50	94.558	5.633,360	67.626,029	12,005	11,534	89	100	203	0,326	0,607	1,865	1,394
40	51	94.174	5.219,038	61.992,669	11,878	11,408	90	101	106	0,158	0,282	1,788	1,317
41	52	93.750	4.833,098	56.773,631	11,747	11,277	91	102	52	0,072	0,124	1,714	1,244
42	53	93.289	4.473,798	51.940,532	11,610	11,140	92	103	24	0,031	0,052	1,649	1,179
43	54	92.790	4.139,382	47.466,734	11,467	10,997	93	104	11	0,013	0,020	1,590	1,119
44	55	92.238	3.827,696	43.327,352	11,319	10,849	94	105	4	0,005	0,008	1,535	1,065
45	56	91.642	3.537,647	39.499,656	11,166	10,695	95	106					
46	57	90.993	3.267,537	35.962,008	11,006	10,536	96	107					
47	58	90.280	3.015,733	32.694,471	10,841	10,371	97	108					
48	59	89.508	2.781,360	29.678,738	10,671	10,200	98	109					
49	60	88.690	2.563,649	26.897,379	10,492	10,022	99	110					
							100	111					

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -12 Jahre

Zinsfuß 7,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	12	99.470	99.470,467	1.394.444,852	14,019	13,548	50	62	87.312	2.347,732	23.888,303	10,175	9,705
1	13	99.008	92.100,692	1.294.974,385	14,060	13,590	51	63	86.332	2.159,440	21.540,571	9,975	9,505
2	14	98.959	85.632,153	1.202.873,693	14,047	13,577	52	64	85.301	1.984,781	19.381,131	9,765	9,295
3	15	98.927	79.632,499	1.117.241,540	14,030	13,560	53	65	84.180	1.822,057	17.396,350	9,548	9,077
4	16	98.891	74.049,997	1.037.609,042	14,012	13,542	54	66	82.968	1.670,527	15.574,293	9,323	8,853
5	17	98.857	68.859,894	963.559,045	13,993	13,523	55	67	81.658	1.529,449	13.903,765	9,091	8,620
6	18	98.822	64.032,852	894.699,151	13,973	13,502	56	68	80.223	1.397,740	12.374,316	8,853	8,383
7	19	98.782	59.541,373	830.666,298	13,951	13,481	57	69	78.685	1.275,285	10.976,577	8,607	8,137
8	20	98.742	55.365,133	771.124,925	13,928	13,458	58	70	77.009	1.161,043	9.701,291	8,356	7,885
9	21	98.700	51.480,060	715.759,792	13,904	13,433	59	71	75.191	1.054,542	8.540,249	8,099	7,628
10	22	98.666	47.872,231	664.279,733	13,876	13,406	60	72	73.194	954,922	7.485,706	7,839	7,369
11	23	98.630	44.516,067	616.407,502	13,847	13,377	61	73	71.065	862,464	6.530,785	7,572	7,102
12	24	98.590	41.393,510	571.891,435	13,816	13,346	62	74	68.781	776,507	5.668,321	7,300	6,829
13	25	98.551	38.490,103	530.497,924	13,783	13,312	63	75	66.310	696,382	4.891,814	7,025	6,554
14	26	98.514	35.791,295	492.007,822	13,747	13,276	64	76	63.658	621,883	4.195,432	6,746	6,276
15	27	98.468	33.278,766	456.216,527	13,709	13,239	65	77	60.839	552,884	3.573,549	6,463	5,993
16	28	98.416	30.940,670	422.937,761	13,669	13,199	66	78	57.829	488,865	3.020,665	6,179	5,709
17	29	98.349	28.762,454	391.997,092	13,629	13,158	67	79	54.620	429,525	2.531,800	5,894	5,424
18	30	98.270	26.734,382	363.234,637	13,587	13,117	68	80	51.202	374,551	2.102,275	5,613	5,143
19	31	98.164	24.842,193	336.500,255	13,546	13,075	69	81	47.556	323,611	1.727,724	5,339	4,869
20	32	98.050	23.082,157	311.658,061	13,502	13,032	70	82	43.749	276,933	1.404,113	5,070	4,600
21	33	97.940	21.447,820	288.575,905	13,455	12,985	71	83	39.755	234,092	1.127,180	4,815	4,345
22	34	97.824	19.927,851	267.128,084	13,405	12,934	72	84	35.744	195,790	893,087	4,561	4,091
23	35	97.705	18.514,875	247.200,233	13,351	12,881	73	85	31.714	161,597	697,297	4,315	3,845
24	36	97.582	17.201,563	228.685,358	13,294	12,824	74	86	27.837	131,947	535,700	4,060	3,590
25	37	97.456	15.980,802	211.483,795	13,234	12,763	75	87	23.968	105,682	403,752	3,820	3,350
26	38	97.325	14.845,879	195.502,993	13,169	12,699	76	88	20.165	82,711	298,071	3,604	3,133
27	39	97.188	13.790,590	180.657,114	13,100	12,630	77	89	16.639	63,487	215,360	3,392	2,922
28	40	97.040	12.809,023	166.866,524	13,027	12,557	78	90	13.397	47,551	151,873	3,194	2,724
29	41	96.885	11.896,253	154.057,501	12,950	12,480	79	91	10.527	34,756	104,322	3,002	2,531
30	42	96.721	11.047,568	142.161,248	12,868	12,398	80	92	7.985	24,523	69,566	2,837	2,366
31	43	96.542	10.257,750	131.113,680	12,782	12,312	81	93	5.873	16,780	45,043	2,684	2,214
32	44	96.340	9.522,181	120.855,931	12,692	12,222	82	94	4.183	11,118	28,263	2,542	2,072
33	45	96.127	8.838,266	111.333,749	12,597	12,127	83	95	2.869	7,093	17,145	2,417	1,947
34	46	95.891	8.201,403	102.495,483	12,497	12,027	84	96	1.900	4,369	10,052	2,301	1,831
35	47	95.627	7.608,236	94.294,080	12,394	11,923	85	97	1.212	2,593	5,683	2,192	1,721
36	48	95.341	7.056,274	86.685,844	12,285	11,815	86	98	746	1,485	3,090	2,080	1,610
37	49	95.032	6.542,667	79.629,570	12,171	11,701	87	99	438	0,810	1,605	1,980	1,510
38	50	94.688	6.064,219	73.086,903	12,052	11,582	88	100	244	0,420	0,794	1,893	1,423
39	51	94.319	5.619,127	67.022,685	11,928	11,457	89	101	129	0,207	0,375	1,814	1,344
40	52	93.912	5.204,544	61.403,558	11,798	11,328	90	102	65	0,097	0,168	1,742	1,271
41	53	93.467	4.818,487	56.199,014	11,663	11,193	91	103	31	0,043	0,072	1,673	1,203
42	54	92.995	4.459,672	51.380,527	11,521	11,051	92	104	14	0,018	0,029	1,612	1,141
43	55	92.467	4.124,985	46.920,855	11,375	10,905	93	105	6	0,007	0,011	1,555	1,085
44	56	91.889	3.813,201	42.795,870	11,223	10,753	94	106					
45	57	91.274	3.523,445	38.982,669	11,064	10,594	95	107					
46	58	90.587	3.252,954	35.459,225	10,901	10,430	96	108					
47	59	89.845	3.001,210	32.206,271	10,731	10,261	97	109					
48	60	89.053	2.767,220	29.205,061	10,554	10,084	98	110					
49	61	88.202	2.549,538	26.437,841	10,370	9,899	99	111					
							100	112					

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -13 Jahre

Zinsfuß 7,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	13	99.462	99.462,020	1.393.334,372	14,009	13,538	50	63	86.762	2.332,958	23.412,714	10,036	9,565
1	14	98.999	92.091,768	1.293.872,352	14,050	13,580	51	64	85.745	2.144,751	21.079,756	9,829	9,358
2	15	98.947	85.622,174	1.201.780,584	14,036	13,566	52	65	84.677	1.970,267	18.935,004	9,610	9,140
3	16	98.910	79.618,271	1.116.158,410	14,019	13,549	53	66	83.493	1.807,176	16.964,737	9,387	8,917
4	17	98.871	74.034,315	1.036.540,139	14,001	13,531	54	67	82.217	1.655,398	15.157,561	9,156	8,686
5	18	98.836	68.844,744	962.505,825	13,981	13,511	55	68	80.828	1.513,902	13.502,164	8,919	8,449
6	19	98.794	64.014,437	893.661,081	13,960	13,490	56	69	79.306	1.381,753	11.988,261	8,676	8,206
7	20	98.755	59.524,868	829.646,644	13,938	13,468	57	70	77.681	1.259,015	10.606,509	8,424	7,954
8	21	98.711	55.347,645	770.121,776	13,914	13,444	58	71	75.914	1.144,540	9.347,494	8,167	7,697
9	22	98.675	51.467,464	714.774,131	13,888	13,418	59	72	73.972	1.037,446	8.202,953	7,907	7,437
10	23	98.639	47.859,270	663.306,666	13,860	13,389	60	73	71.874	937,705	7.165,508	7,642	7,171
11	24	98.604	44.504,453	615.447,397	13,829	13,359	61	74	69.617	844,893	6.227,802	7,371	6,901
12	25	98.563	41.382,264	570.942,944	13,797	13,327	62	75	67.216	758,832	5.382,909	7,094	6,623
13	26	98.526	38.480,631	529.560,679	13,762	13,291	63	76	64.591	678,327	4.624,077	6,817	6,347
14	27	98.486	35.781,275	491.080,048	13,724	13,254	64	77	61.815	603,881	3.945,750	6,534	6,064
15	28	98.439	33.269,068	455.298,773	13,685	13,215	65	78	58.860	534,897	3.341,869	6,248	5,777
16	29	98.387	30.931,486	422.029,706	13,644	13,174	66	79	55.686	470,746	2.806,972	5,963	5,493
17	30	98.320	28.754,035	391.098,220	13,602	13,131	67	80	52.323	411,456	2.336,225	5,678	5,208
18	31	98.238	26.725,629	362.344,185	13,558	13,088	68	81	48.708	356,305	1.924,769	5,402	4,932
19	32	98.129	24.833,319	335.618,555	13,515	13,045	69	82	44.905	305,572	1.568,464	5,133	4,663
20	33	98.015	23.073,949	310.785,236	13,469	12,999	70	83	40.922	259,036	1.262,892	4,875	4,405
21	34	97.901	21.439,250	287.711,287	13,420	12,950	71	84	36.906	217,318	1.003,856	4,619	4,149
22	35	97.778	19.918,509	266.272,036	13,368	12,898	72	85	32.871	180,056	786,538	4,368	3,898
23	36	97.655	18.505,396	246.353,528	13,313	12,842	73	86	28.961	147,567	606,482	4,110	3,640
24	37	97.527	17.191,836	227.848,131	13,253	12,783	74	87	25.031	118,645	458,915	3,868	3,398
25	38	97.397	15.971,002	210.656,295	13,190	12,720	75	88	21.143	93,224	340,270	3,650	3,180
26	39	97.257	14.835,494	194.685,293	13,123	12,653	76	89	17.513	71,832	247,046	3,439	2,969
27	40	97.110	13.779,554	179.849,799	13,052	12,582	77	90	14.173	54,077	175,213	3,240	2,770
28	41	96.956	12.797,879	166.070,245	12,976	12,506	78	91	11.207	39,778	121,137	3,045	2,575
29	42	96.789	11.884,494	153.272,366	12,897	12,427	79	92	8.554	28,243	81,359	2,881	2,410
30	43	96.612	11.035,143	141.387,872	12,813	12,342	80	93	6.345	19,486	53,116	2,726	2,256
31	44	96.416	10.244,435	130.352,729	12,724	12,254	81	94	4.558	13,021	33,630	2,583	2,112
32	45	96.206	9.508,926	120.108,294	12,631	12,161	82	95	3.166	8,415	20,608	2,449	1,979
33	46	95.975	8.824,249	110.599,368	12,534	12,063	83	96	2.115	5,229	12,194	2,332	1,862
34	47	95.718	8.186,673	101.775,119	12,432	11,962	84	97	1.362	3,133	6,964	2,223	1,753
35	48	95.441	7.593,441	93.588,446	12,325	11,855	85	98	845	1,807	3,831	2,121	1,650
36	49	95.139	7.041,315	85.995,005	12,213	11,743	86	99	505	1,004	2,025	2,016	1,546
37	50	94.803	6.526,920	78.953,690	12,097	11,626	87	100	287	0,531	1,020	1,922	1,452
38	51	94.449	6.048,896	72.426,769	11,974	11,503	88	101	154	0,266	0,490	1,840	1,370
39	52	94.057	5.603,521	66.377,873	11,846	11,375	89	102	79	0,127	0,223	1,766	1,296
40	53	93.628	5.188,809	60.774,352	11,713	11,242	90	103	38	0,057	0,097	1,698	1,228
41	54	93.172	4.803,272	55.585,542	11,572	11,102	91	104	18	0,024	0,040	1,633	1,163
42	55	92.671	4.444,160	50.782,270	11,427	10,956	92	105	8	0,010	0,015	1,575	1,105
43	56	92.117	4.109,364	46.338,110	11,276	10,806	93	106					
44	57	91.520	3.797,892	42.228,746	11,119	10,649	94	107					
45	58	90.867	3.507,719	38.430,854	10,956	10,486	95	108					
46	59	90.151	3.237,289	34.923,135	10,788	10,317	96	109					
47	60	89.388	2.985,953	31.685,846	10,612	10,141	97	110					
48	61	88.563	2.751,988	28.699,893	10,429	9,959	98	111					
49	62	87.705	2.535,191	25.947,905	10,235	9,765	99	112					
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -14 Jahre

Zinsfuß 7,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	14	99.452	99.452,383	1.392.137,698	13,998	13,528	50	64	86.172	2.317,090	22.906,185	9,886	9,415
1	15	98.987	92.081,037	1.292.685,315	14,039	13,568	51	65	85.118	2.129,067	20.589,095	9,670	9,200
2	16	98.929	85.606,876	1.200.604,278	14,025	13,554	52	66	83.985	1.954,175	18.460,028	9,446	8,976
3	17	98.889	79.601,409	1.114.997,402	14,007	13,537	53	67	82.737	1.790,809	16.505,853	9,217	8,747
4	18	98.849	74.018,026	1.035.395,992	13,988	13,518	54	68	81.381	1.638,571	14.715,044	8,980	8,510
5	19	98.807	68.824,945	961.377,967	13,968	13,498	55	69	79.904	1.496,587	13.076,473	8,738	8,267
6	20	98.766	63.996,692	892.553,022	13,947	13,477	56	70	78.294	1.364,124	11.579,887	8,489	8,019
7	21	98.723	59.506,067	828.556,330	13,924	13,454	57	71	76.577	1.241,120	10.215,762	8,231	7,761
8	22	98.687	55.334,104	769.050,264	13,898	13,428	58	72	74.683	1.125,985	8.974,642	7,970	7,500
9	23	98.649	51.453,530	713.716,160	13,871	13,401	59	73	72.638	1.018,741	7.848,658	7,704	7,234
10	24	98.614	47.846,783	662.262,630	13,841	13,371	60	74	70.410	918,602	6.829,916	7,435	6,965
11	25	98.578	44.492,362	614.415,847	13,809	13,339	61	75	68.033	825,662	5.911,314	7,159	6,689
12	26	98.539	41.372,082	569.923,485	13,776	13,305	62	76	65.473	739,158	5.085,652	6,880	6,410
13	27	98.499	38.469,858	528.551,404	13,739	13,269	63	77	62.721	658,690	4.346,495	6,599	6,128
14	28	98.457	35.770,847	490.081,545	13,701	13,230	64	78	59.804	584,235	3.687,804	6,312	5,842
15	29	98.410	33.259,193	454.310,698	13,660	13,189	65	79	56.679	515,073	3.103,569	6,025	5,555
16	30	98.358	30.922,432	421.051,506	13,616	13,146	66	80	53.343	450,944	2.588,496	5,740	5,270
17	31	98.288	28.744,621	390.129,074	13,572	13,102	67	81	49.774	391,412	2.137,552	5,461	4,991
18	32	98.203	26.716,083	361.384,453	13,527	13,057	68	82	45.993	336,443	1.746,140	5,190	4,720
19	33	98.094	24.824,489	334.668,371	13,481	13,011	69	83	42.003	285,825	1.409,697	4,932	4,462
20	34	97.976	23.064,729	309.843,881	13,434	12,963	70	84	37.989	240,474	1.123,872	4,674	4,203
21	35	97.855	21.429,199	286.779,152	13,383	12,912	71	85	33.940	199,854	883,397	4,420	3,950
22	36	97.728	19.908,311	265.349,953	13,329	12,858	72	86	30.017	164,423	683,544	4,157	3,687
23	37	97.599	18.494,932	245.441,641	13,271	12,800	73	87	26.041	132,690	519,121	3,912	3,442
24	38	97.467	17.181,294	226.946,709	13,209	12,739	74	88	22.080	104,660	386,431	3,692	3,222
25	39	97.328	15.959,830	209.765,415	13,143	12,673	75	89	18.362	80,963	281,771	3,480	3,010
26	40	97.179	14.823,622	193.805,585	13,074	12,604	76	90	14.917	61,185	200,809	3,282	2,812
27	41	97.025	13.767,566	178.981,963	13,000	12,530	77	91	11.856	45,237	139,624	3,086	2,616
28	42	96.860	12.785,229	165.214,397	12,922	12,452	78	92	9.107	32,323	94,387	2,920	2,450
29	43	96.680	11.871,128	152.429,169	12,840	12,370	79	93	6.797	22,442	62,063	2,765	2,295
30	44	96.487	11.020,819	140.558,041	12,754	12,284	80	94	4.923	15,122	39,621	2,620	2,150
31	45	96.282	10.230,174	129.537,222	12,662	12,192	81	95	3.449	9,855	24,499	2,486	2,016
32	46	96.053	9.493,845	119.307,048	12,567	12,096	82	96	2.334	6,204	14,644	2,361	1,890
33	47	95.802	8.808,401	109.813,202	12,467	11,997	83	97	1.517	3,750	8,441	2,251	1,780
34	48	95.532	8.170,753	101.004,802	12,362	11,891	84	98	949	2,183	4,690	2,149	1,678
35	49	95.239	7.577,344	92.834,049	12,252	11,781	85	99	571	1,221	2,507	2,053	1,583
36	50	94.910	7.024,369	85.256,705	12,137	11,667	86	100	331	0,658	1,286	1,955	1,485
37	51	94.563	6.510,429	78.232,336	12,016	11,546	87	101	182	0,337	0,628	1,867	1,397
38	52	94.187	6.032,097	71.721,907	11,890	11,420	88	102	95	0,163	0,292	1,790	1,320
39	53	93.773	5.586,581	65.689,810	11,759	11,288	89	103	47	0,075	0,129	1,721	1,250
40	54	93.332	5.172,426	60.103,229	11,620	11,150	90	104	22	0,033	0,054	1,657	1,186
41	55	92.848	4.786,565	54.930,804	11,476	11,006	91	105	10	0,013	0,021	1,595	1,125
42	56	92.320	4.427,331	50.144,239	11,326	10,856	92	106					
43	57	91.747	4.092,866	45.716,908	11,170	10,700	93	107					
44	58	91.111	3.780,942	41.624,042	11,009	10,539	94	108					
45	59	90.429	3.490,827	37.843,100	10,841	10,370	95	109					
46	60	89.693	3.220,831	34.352,273	10,666	10,195	96	110					
47	61	88.896	2.969,517	31.131,441	10,484	10,013	97	111					
48	62	88.065	2.736,502	28.161,924	10,291	9,821	98	112					
49	63	87.153	2.519,237	25.425,422	10,093	9,622	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -15 Jahre

Zinsfuß 7,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	15	99.441	99.440,794	1.390.849,486	13,987	13,516	50	65	85.542	2.300,145	22.367,490	9,724	9,254
1	16	98.969	92.064,585	1.291.408,692	14,027	13,557	51	66	84.423	2.111,678	20.067,345	9,503	9,033
2	17	98.908	85.588,747	1.199.344,107	14,013	13,543	52	67	83.225	1.936,477	17.955,666	9,272	8,802
3	18	98.867	79.583,896	1.113.755,360	13,995	13,524	53	68	81.896	1.772,605	16.019,190	9,037	8,567
4	19	98.820	73.996,739	1.034.171,464	13,976	13,506	54	69	80.450	1.619,830	14.246,584	8,795	8,325
5	20	98.780	68.805,866	960.174,725	13,955	13,485	55	70	78.884	1.477,493	12.626,755	8,546	8,076
6	21	98.735	63.976,478	891.368,860	13,933	13,462	56	71	77.181	1.344,735	11.149,261	8,291	7,821
7	22	98.699	59.491,507	827.392,382	13,908	13,437	57	72	75.335	1.220,999	9.804,526	8,030	7,560
8	23	98.660	55.319,122	767.900,874	13,881	13,411	58	73	73.337	1.105,684	8.583,528	7,763	7,293
9	24	98.623	51.440,105	712.581,752	13,853	13,382	59	74	71.158	997,987	7.477,844	7,493	7,023
10	25	98.587	47.833,784	661.141,647	13,822	13,351	60	75	68.807	897,693	6.479,856	7,218	6,748
11	26	98.553	44.481,414	613.307,863	13,788	13,318	61	76	66.269	804,255	5.582,163	6,941	6,471
12	27	98.512	41.360,499	568.826,449	13,753	13,283	62	77	63.578	717,760	4.777,909	6,657	6,186
13	28	98.470	38.458,647	527.465,950	13,715	13,245	63	78	60.681	637,262	4.060,148	6,371	5,901
14	29	98.428	35.760,229	489.007,303	13,675	13,204	64	79	57.587	562,582	3.422,887	6,084	5,614
15	30	98.381	33.249,457	453.247,073	13,632	13,161	65	80	54.294	493,406	2.860,305	5,797	5,327
16	31	98.326	30.912,307	419.997,616	13,587	13,116	66	81	50.745	428,976	2.366,899	5,518	5,047
17	32	98.253	28.734,353	389.085,309	13,541	13,070	67	82	46.999	369,593	1.937,923	5,243	4,773
18	33	98.168	26.706,583	360.350,956	13,493	13,023	68	83	43.020	314,701	1.568,329	4,984	4,513
19	34	98.055	24.814,570	333.644,373	13,446	12,975	69	84	38.993	265,343	1.253,628	4,725	4,254
20	35	97.930	23.053,916	308.829,803	13,396	12,926	70	85	34.936	221,150	988,285	4,469	3,999
21	36	97.805	21.418,228	285.775,887	13,343	12,872	71	86	30.993	182,502	767,135	4,203	3,733
22	37	97.673	19.897,054	264.357,658	13,286	12,816	72	87	26.991	147,847	584,634	3,954	3,484
23	38	97.540	18.483,591	244.460,604	13,226	12,756	73	88	22.971	117,049	436,787	3,732	3,261
24	39	97.399	17.169,275	225.977,013	13,162	12,691	74	89	19.176	90,894	319,738	3,518	3,047
25	40	97.251	15.947,058	208.807,738	13,094	12,624	75	90	15.640	68,962	228,844	3,318	2,848
26	41	97.095	14.810,726	192.860,680	13,022	12,551	76	91	12.479	51,183	159,882	3,124	2,653
27	42	96.930	13.753,957	178.049,954	12,945	12,475	77	92	9.634	36,760	108,699	2,957	2,487
28	43	96.751	12.770,849	164.295,997	12,865	12,395	78	93	7.237	25,685	71,939	2,801	2,331
29	44	96.555	11.855,719	151.525,148	12,781	12,310	79	94	5.275	17,415	46,255	2,656	2,186
30	45	96.352	11.005,478	139.669,429	12,691	12,221	80	95	3.726	11,445	28,839	2,520	2,050
31	46	96.129	10.213,949	128.663,951	12,597	12,127	81	96	2.543	7,265	17,394	2,394	1,924
32	47	95.881	9.476,794	118.450,002	12,499	12,029	82	97	1.674	4,449	10,129	2,277	1,806
33	48	95.616	8.791,271	108.973,208	12,396	11,925	83	98	1.057	2,613	5,680	2,174	1,704
34	49	95.330	8.153,432	100.181,936	12,287	11,817	84	99	642	1,476	3,067	2,078	1,608
35	50	95.009	7.559,107	92.028,505	12,175	11,704	85	100	374	0,800	1,591	1,989	1,519
36	51	94.670	7.006,621	84.469,398	12,056	11,585	86	101	210	0,417	0,791	1,897	1,427
37	52	94.301	6.492,348	77.462,777	11,931	11,461	87	102	111	0,206	0,374	1,815	1,344
38	53	93.902	6.013,861	70.970,429	11,801	11,331	88	103	56	0,096	0,168	1,742	1,272
39	54	93.477	5.568,941	64.956,568	11,664	11,194	89	104	27	0,043	0,072	1,677	1,207
40	55	93.008	5.154,435	59.387,627	11,522	11,051	90	105	12	0,018	0,029	1,617	1,146
41	56	92.496	4.768,439	54.233,192	11,373	10,903	91	106					
42	57	91.950	4.409,556	49.464,753	11,218	10,747	92	107					
43	58	91.337	4.074,599	45.055,197	11,058	10,587	93	108					
44	59	90.673	3.762,734	40.980,598	10,891	10,421	94	109					
45	60	89.970	3.473,081	37.217,864	10,716	10,246	95	110					
46	61	89.199	3.203,103	33.744,783	10,535	10,065	96	111					
47	62	88.396	2.952,807	30.541,680	10,343	9,873	97	112					
48	63	87.511	2.719,281	27.588,873	10,146	9,675	98						
49	64	86.560	2.502,102	24.869,592	9,939	9,469	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -16 Jahre

Zinsfuß 7,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	16	99.423	99.423,027	1.389.464,820	13,975	13,505	50	66	84.843	2.281,359	21.795,321	9,554	9,083
1	17	98.948	92.045,088	1.290.041,793	14,015	13,545	51	67	83.658	2.092,554	19.513,962	9,325	8,855
2	18	98.887	85.569,916	1.197.996,704	14,000	13,530	52	68	82.379	1.916,793	17.421,408	9,089	8,619
3	19	98.838	79.561,008	1.112.426,789	13,982	13,512	53	69	80.959	1.752,331	15.504,616	8,848	8,378
4	20	98.793	73.976,226	1.032.865,781	13,962	13,492	54	70	79.424	1.599,163	13.752,285	8,600	8,129
5	21	98.749	68.784,133	958.889,555	13,941	13,470	55	71	77.763	1.456,493	12.153,121	8,344	7,874
6	22	98.711	63.960,825	890.105,421	13,916	13,446	56	72	75.930	1.322,934	10.696,628	8,086	7,615
7	23	98.673	59.475,400	826.144,597	13,891	13,420	57	73	73.977	1.198,985	9.373,695	7,818	7,348
8	24	98.635	55.304,689	766.669,196	13,863	13,392	58	74	71.843	1.083,159	8.174,709	7,547	7,077
9	25	98.596	51.426,130	711.364,507	13,833	13,362	59	75	69.538	975,271	7.091,551	7,271	6,801
10	26	98.563	47.822,014	659.938,377	13,800	13,330	60	76	67.023	874,418	6.116,279	6,995	6,524
11	27	98.526	44.468,961	612.116,363	13,765	13,295	61	77	64.351	780,973	5.241,861	6,712	6,242
12	28	98.483	41.348,445	567.647,402	13,728	13,258	62	78	61.509	694,410	4.460,888	6,424	5,954
13	29	98.441	38.447,232	526.298,957	13,689	13,219	63	79	58.432	613,643	3.766,479	6,138	5,668
14	30	98.399	35.749,762	487.851,725	13,646	13,176	64	80	55.165	538,916	3.152,835	5,850	5,380
15	31	98.349	33.238,571	452.101,963	13,602	13,131	65	81	51.649	469,370	2.613,919	5,569	5,099
16	32	98.291	30.901,265	418.863,392	13,555	13,085	66	82	47.916	405,064	2.144,549	5,294	4,824
17	33	98.218	28.724,136	387.962,127	13,506	13,036	67	83	43.962	345,709	1.739,486	5,032	4,561
18	34	98.129	26.695,912	359.237,991	13,457	12,986	68	84	39.938	292,150	1.393,777	4,771	4,300
19	35	98.009	24.802,936	332.542,080	13,407	12,937	69	85	35.860	244,020	1.101,627	4,514	4,044
20	36	97.879	23.042,114	307.739,143	13,356	12,885	70	86	31.903	201,948	857,607	4,247	3,776
21	37	97.750	21.406,117	284.697,030	13,300	12,830	71	87	27.869	164,103	655,658	3,995	3,525
22	38	97.613	19.884,853	263.290,912	13,241	12,770	72	88	23.809	130,419	491,556	3,769	3,299
23	39	97.471	18.470,661	243.406,060	13,178	12,708	73	89	19.950	101,654	361,137	3,553	3,082
24	40	97.321	17.155,535	224.935,398	13,112	12,641	74	90	16.334	77,421	259,483	3,352	2,881
25	41	97.166	15.933,185	207.779,863	13,041	12,570	75	91	13.084	57,689	182,062	3,156	2,686
26	42	96.999	14.796,085	191.846,678	12,966	12,496	76	92	10.140	41,592	124,373	2,990	2,520
27	43	96.821	13.738,488	177.050,593	12,887	12,417	77	93	7.656	29,210	82,781	2,834	2,364
28	44	96.626	12.754,273	163.312,105	12,805	12,334	78	94	5.616	19,931	53,571	2,688	2,217
29	45	96.420	11.839,216	150.557,832	12,717	12,247	79	95	3.992	13,181	33,640	2,552	2,082
30	46	96.200	10.988,023	138.718,617	12,625	12,154	80	96	2.747	8,437	20,459	2,425	1,954
31	47	95.957	10.195,605	127.730,594	12,528	12,058	81	97	1.824	5,211	12,021	2,307	1,837
32	48	95.694	9.458,365	117.534,988	12,427	11,956	82	98	1.166	3,100	6,811	2,197	1,727
33	49	95.413	8.772,634	108.076,623	12,320	11,849	83	99	714	1,766	3,711	2,101	1,631
34	50	95.100	8.133,809	99.303,989	12,209	11,739	84	100	420	0,967	1,945	2,012	1,541
35	51	94.769	7.540,008	91.170,180	12,092	11,621	85	101	237	0,507	0,978	1,928	1,458
36	52	94.407	6.987,162	83.630,172	11,969	11,499	86	102	128	0,256	0,471	1,842	1,372
37	53	94.016	6.472,721	76.643,010	11,841	11,371	87	103	66	0,122	0,215	1,765	1,294
38	54	93.606	5.994,872	70.170,290	11,705	11,235	88	104	32	0,055	0,093	1,697	1,227
39	55	93.151	5.549,571	64.175,418	11,564	11,094	89	105	15	0,023	0,038	1,635	1,165
40	56	92.656	5.134,915	58.625,847	11,417	10,947	90	106					
41	57	92.125	4.749,295	53.490,932	11,263	10,793	91	107					
42	58	91.539	4.389,876	48.741,637	11,103	10,633	92	108					
43	59	90.898	4.054,977	44.351,760	10,938	10,467	93	109					
44	60	90.212	3.743,605	40.296,783	10,764	10,294	94	110					
45	61	89.474	3.453,964	36.553,178	10,583	10,113	95	111					
46	62	88.697	3.185,078	33.099,214	10,392	9,922	96	112					
47	63	87.840	2.934,225	29.914,136	10,195	9,725	97						
48	64	86.915	2.700,785	26.979,911	9,990	9,519	98						
49	65	85.927	2.483,804	24.279,126	9,775	9,305	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -17 Jahre

Zinsfuß 7,50%

Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	17	99.402	99.401,972	1.387.982,997	13,963	13,493	50	67	84.075	2.260,698	21.189,130	9,373	8,903
1	18	98.927	92.024,836	1.288.581,026	14,003	13,532	51	68	82.808	2.071,283	18.928,432	9,139	8,668
2	19	98.858	85.545,306	1.196.556,189	13,987	13,517	52	69	81.437	1.894,869	16.857,149	8,896	8,426
3	20	98.811	79.538,953	1.111.010,883	13,968	13,498	53	70	79.926	1.729,975	14.962,280	8,649	8,179
4	21	98.762	73.952,860	1.031.471,930	13,948	13,477	54	71	78.295	1.576,434	13.232,305	8,394	7,924
5	22	98.724	68.767,304	957.519,069	13,924	13,454	55	72	76.502	1.432,880	11.655,872	8,135	7,664
6	23	98.684	63.943,508	888.751,765	13,899	13,429	56	73	74.561	1.299,083	10.222,992	7,869	7,399
7	24	98.647	59.459,883	824.808,257	13,872	13,401	57	74	72.470	1.174,559	8.923,909	7,598	7,127
8	25	98.608	55.289,664	765.348,375	13,843	13,372	58	75	70.208	1.058,504	7.749,350	7,321	6,851
9	26	98.572	51.413,476	710.058,710	13,811	13,340	59	76	67.735	949,985	6.690,846	7,043	6,573
10	27	98.535	47.808,625	658.645,234	13,777	13,306	60	77	65.083	849,105	5.740,861	6,761	6,291
11	28	98.497	44.456,001	610.836,609	13,740	13,270	61	78	62.257	755,566	4.891,756	6,474	6,004
12	29	98.454	41.336,172	566.380,608	13,702	13,232	62	79	59.230	668,673	4.136,190	6,186	5,715
13	30	98.412	38.435,978	525.044,435	13,660	13,190	63	80	55.974	587,830	3.467,517	5,899	5,429
14	31	98.367	35.738,057	486.608,458	13,616	13,146	64	81	52.478	512,663	2.879,687	5,617	5,147
15	32	98.314	33.226,698	450.870,401	13,570	13,099	65	82	48.770	443,205	2.367,024	5,341	4,870
16	33	98.256	30.890,277	417.643,703	13,520	13,050	66	83	44.820	378,887	1.923,818	5,078	4,607
17	34	98.179	28.712,658	386.753,425	13,470	13,000	67	84	40.812	320,936	1.544,932	4,814	4,344
18	35	98.083	26.683,396	358.040,767	13,418	12,948	68	85	36.728	268,673	1.223,996	4,556	4,085
19	36	97.958	24.790,238	331.357,371	13,366	12,896	69	86	32.746	222,833	955,323	4,287	3,817
20	37	97.824	23.029,084	306.567,133	13,312	12,842	70	87	28.687	181,589	732,490	4,034	3,563
21	38	97.690	21.392,991	283.538,049	13,254	12,784	71	88	24.584	144,759	550,901	3,806	3,335
22	39	97.545	19.870,943	262.145,058	13,192	12,722	72	89	20.678	113,265	406,142	3,586	3,115
23	40	97.393	18.455,880	242.274,115	13,127	12,657	73	90	16.993	86,586	292,877	3,383	2,912
24	41	97.237	17.140,610	223.818,235	13,058	12,587	74	91	13.664	64,766	206,291	3,185	2,715
25	42	97.070	15.917,435	206.677,625	12,984	12,514	75	92	10.632	46,878	141,525	3,019	2,549
26	43	96.890	14.779,445	190.760,190	12,907	12,437	76	93	8.058	33,049	94,647	2,864	2,394
27	44	96.695	13.720,655	175.980,745	12,826	12,356	77	94	5.941	22,667	61,598	2,718	2,247
28	45	96.491	12.736,519	162.260,090	12,740	12,269	78	95	4.250	15,085	38,931	2,581	2,110
29	46	96.267	11.820,439	149.523,571	12,650	12,179	79	96	2.943	9,717	23,846	2,454	1,984
30	47	96.027	10.968,289	137.703,133	12,555	12,084	80	97	1.970	6,051	14,128	2,335	1,865
31	48	95.770	10.175,778	126.734,844	12,455	11,984	81	98	1.271	3,630	8,077	2,225	1,755
32	49	95.492	9.438,314	116.559,066	12,350	11,879	82	99	788	2,096	4,447	2,122	1,652
33	50	95.184	8.751,521	107.120,751	12,240	11,770	83	100	468	1,157	2,351	2,032	1,562
34	51	94.860	8.113,257	98.369,230	12,125	11,654	84	101	266	0,613	1,194	1,948	1,478
35	52	94.506	7.519,068	90.255,973	12,004	11,533	85	102	145	0,311	0,581	1,870	1,400
36	53	94.122	6.966,038	82.736,905	11,877	11,407	86	103	76	0,151	0,271	1,790	1,320
37	54	93.719	6.452,283	75.770,867	11,743	11,273	87	104	38	0,070	0,119	1,717	1,247
38	55	93.280	5.974,020	69.318,584	11,603	11,133	88	105	18	0,030	0,050	1,654	1,183
39	56	92.799	5.528,555	63.344,564	11,458	10,987	89						
40	57	92.284	5.114,300	57.816,009	11,305	10,834	90						
41	58	91.714	4.728,099	52.701,709	11,146	10,676	91						
42	59	91.099	4.368,736	47.973,610	10,981	10,511	92						
43	60	90.435	4.034,363	43.604,874	10,808	10,338	93						
44	61	89.715	3.722,999	39.570,511	10,629	10,158	94						
45	62	88.971	3.434,527	35.847,512	10,437	9,967	95						
46	63	88.139	3.165,035	32.412,984	10,241	9,771	96						
47	64	87.242	2.914,267	29.247,950	10,036	9,566	97						
48	65	86.280	2.681,035	26.333,683	9,822	9,352	98						
49	66	85.226	2.463,518	23.652,648	9,601	9,131	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -18 Jahre

Zinsfuß 7,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	18	99.380	99.380,101	1.386.400,191	13,950	13,480	50	68	83.220	2.237,718	20.548,394	9,183	8,712
1	19	98.898	91.998,371	1.287.020,090	13,990	13,519	51	69	81.861	2.047,593	18.310,676	8,943	8,472
2	20	98.831	85.521,593	1.195.021,719	13,973	13,503	52	70	80.398	1.870,694	16.263,083	8,694	8,223
3	21	98.780	79.513,830	1.109.500,126	13,954	13,483	53	71	78.790	1.705,386	14.392,389	8,439	7,969
4	22	98.738	73.934,766	1.029.986,296	13,931	13,461	54	72	77.025	1.550,876	12.687,004	8,181	7,710
5	23	98.698	68.748,686	956.051,530	13,906	13,436	55	73	75.123	1.407,046	11.136,128	7,915	7,444
6	24	98.658	63.926,825	887.302,844	13,880	13,410	56	74	73.042	1.272,617	9.729,082	7,645	7,175
7	25	98.620	59.443,729	823.376,019	13,851	13,381	57	75	70.820	1.147,824	8.456,464	7,367	6,897
8	26	98.584	55.276,059	763.932,290	13,820	13,350	58	76	68.387	1.031,060	7.308,640	7,088	6,618
9	27	98.544	51.399,082	708.656,231	13,787	13,317	59	77	65.775	922,484	6.277,581	6,805	6,335
10	28	98.506	47.794,692	657.257,149	13,752	13,281	60	78	62.966	821,482	5.355,096	6,519	6,049
11	29	98.468	44.442,806	609.462,456	13,713	13,243	61	79	59.950	727,563	4.533,614	6,231	5,761
12	30	98.425	41.324,073	565.019,651	13,673	13,203	62	80	56.738	640,545	3.806,052	5,942	5,472
13	31	98.380	38.423,393	523.695,578	13,630	13,159	63	81	53.247	559,194	3.165,507	5,661	5,191
14	32	98.332	35.725,291	485.272,185	13,583	13,113	64	82	49.552	484,085	2.606,313	5,384	4,914
15	33	98.279	33.214,883	449.546,894	13,535	13,064	65	83	45.619	414,564	2.122,227	5,119	4,649
16	34	98.216	30.877,934	416.332,010	13,483	13,013	66	84	41.608	351,737	1.707,664	4,855	4,385
17	35	98.133	28.699,197	385.454,076	13,431	12,961	67	85	37.532	295,145	1.355,927	4,594	4,124
18	36	98.033	26.669,735	356.754,879	13,377	12,906	68	86	33.539	245,345	1.060,782	4,324	3,853
19	37	97.903	24.776,220	330.085,144	13,323	12,852	69	87	29.445	200,368	815,437	4,070	3,599
20	38	97.764	23.014,962	305.308,923	13,266	12,795	70	88	25.305	160,184	615,069	3,840	3,369
21	39	97.621	21.378,026	282.293,961	13,205	12,735	71	89	21.350	125,719	454,885	3,618	3,148
22	40	97.467	19.855,041	260.915,935	13,141	12,671	72	90	17.613	96,476	329,166	3,412	2,942
23	41	97.309	18.439,824	241.060,894	13,073	12,603	73	91	14.215	72,433	232,689	3,212	2,742
24	42	97.140	17.123,667	222.621,070	13,001	12,531	74	92	11.103	52,629	160,257	3,045	2,575
25	43	96.961	15.899,533	205.497,403	12,925	12,454	75	93	8.448	37,250	107,628	2,889	2,419
26	44	96.764	14.760,261	189.597,870	12,845	12,375	76	94	6.253	25,646	70,378	2,744	2,274
27	45	96.560	13.701,556	174.837,609	12,760	12,290	77	95	4.496	17,156	44,732	2,607	2,137
28	46	96.338	12.716,318	161.136,053	12,672	12,201	78	96	3.133	11,121	27,576	2,480	2,009
29	47	96.094	11.799,209	148.419,735	12,579	12,109	79	97	2.111	6,969	16,455	2,361	1,891
30	48	95.840	10.946,959	136.620,526	12,480	12,010	80	98	1.373	4,216	9,486	2,250	1,780
31	49	95.567	10.154,206	125.673,566	12,377	11,906	81	99	859	2,454	5,270	2,147	1,677
32	50	95.262	9.415,599	115.519,360	12,269	11,799	82	100	517	1,373	2,816	2,051	1,581
33	51	94.943	8.729,409	106.103,761	12,155	11,684	83	101	297	0,734	1,443	1,967	1,497
34	52	94.597	8.090,725	97.374,352	12,035	11,565	84	102	163	0,375	0,709	1,889	1,419
35	53	94.220	7.496,336	89.283,627	11,910	11,440	85	103	86	0,184	0,334	1,816	1,346
36	54	93.825	6.944,043	81.787,291	11,778	11,308	86	104	43	0,086	0,150	1,741	1,270
37	55	93.393	6.429,840	74.843,249	11,640	11,170	87	105	21	0,038	0,064	1,672	1,202
38	56	92.927	5.951,398	68.413,409	11,495	11,025	88	106					
39	57	92.426	5.506,360	62.462,011	11,344	10,873	89	107					
40	58	91.872	5.091,475	56.955,651	11,186	10,716	90	108					
41	59	91.272	4.705,330	51.864,177	11,022	10,552	91	109					
42	60	90.635	4.346,526	47.158,847	10,850	10,379	92	110					
43	61	89.938	4.012,157	42.812,320	10,671	10,200	93	111					
44	62	89.210	3.702,049	38.800,164	10,481	10,010	94	112					
45	63	88.411	3.412,914	35.098,115	10,284	9,814	95						
46	64	87.539	3.143,507	31.685,201	10,080	9,609	96						
47	65	86.604	2.892,955	28.541,694	9,866	9,396	97						
48	66	85.575	2.659,138	25.648,739	9,646	9,175	98						
49	67	84.454	2.441,207	22.989,601	9,417	8,947	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -19 Jahre

Zinsfuß 7,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	19	99.352	99.351,520	1.384.709,626	13,937	13,467	50	69	82.268	2.212,124	19.873,061	8,984	8,513
1	20	98.871	91.972,868	1.285.358,105	13,975	13,505	51	70	80.816	2.021,469	17.660,937	8,737	8,266
2	21	98.800	85.494,580	1.193.385,237	13,959	13,488	52	71	79.255	1.844,105	15.639,468	8,481	8,011
3	22	98.756	79.494,376	1.107.890,657	13,937	13,466	53	72	77.513	1.677,737	13.795,363	8,223	7,752
4	23	98.711	73.914,749	1.028.396,281	13,913	13,443	54	73	75.637	1.522,915	12.117,626	7,957	7,487
5	24	98.672	68.730,749	954.481,532	13,887	13,417	55	74	73.593	1.378,381	10.594,711	7,686	7,216
6	25	98.632	63.909,457	885.750,784	13,859	13,389	56	75	71.379	1.243,650	9.216,329	7,411	6,940
7	26	98.596	59.429,102	821.841,326	13,829	13,359	57	76	68.984	1.118,064	7.972,679	7,131	6,661
8	27	98.556	55.260,584	762.412,224	13,797	13,326	58	77	66.408	1.001,212	6.854,615	6,846	6,376
9	28	98.516	51.384,103	707.151,640	13,762	13,292	59	78	63.635	892,474	5.853,403	6,559	6,088
10	29	98.477	47.780,506	655.767,537	13,725	13,254	60	79	60.632	791,036	4.960,929	6,271	5,801
11	30	98.439	44.429,797	607.987,031	13,684	13,214	61	80	57.428	696,957	4.169,893	5,983	5,513
12	31	98.393	41.310,543	563.557,234	13,642	13,172	62	81	53.974	609,341	3.472,936	5,699	5,229
13	32	98.345	38.409,668	522.246,692	13,597	13,126	63	82	50.279	528,022	2.863,595	5,423	4,953
14	33	98.297	35.712,588	483.837,024	13,548	13,078	64	83	46.350	452,802	2.335,573	5,158	4,688
15	34	98.239	33.201,611	448.124,436	13,497	13,027	65	84	42.350	384,857	1.882,771	4,892	4,422
16	35	98.170	30.863,458	414.922,824	13,444	12,974	66	85	38.264	323,470	1.497,914	4,631	4,160
17	36	98.082	28.684,504	384.059,366	13,389	12,919	67	86	34.273	269,519	1.174,444	4,358	3,887
18	37	97.977	26.654,655	355.374,862	13,333	12,862	68	87	30.158	220,611	904,924	4,102	3,632
19	38	97.843	24.761,027	328.720,207	13,276	12,805	69	88	25.974	176,749	684,314	3,872	3,401
20	39	97.696	22.998,863	303.959,180	13,216	12,746	70	89	21.977	139,115	507,564	3,649	3,178
21	40	97.543	21.360,918	280.960,317	13,153	12,683	71	90	18.186	107,084	368,449	3,441	2,970
22	41	97.382	19.837,768	259.599,399	13,086	12,616	72	91	14.734	80,706	261,365	3,238	2,768
23	42	97.212	18.421,596	239.761,631	13,015	12,545	73	92	11.551	58,859	180,659	3,069	2,599
24	43	97.031	17.104,408	221.340,035	12,941	12,470	74	93	8.823	41,819	121,800	2,913	2,442
25	44	96.835	15.878,895	204.235,626	12,862	12,392	75	94	6.556	28,906	79,981	2,767	2,297
26	45	96.629	14.739,714	188.356,731	12,779	12,309	76	95	4.732	19,411	51,074	2,631	2,161
27	46	96.407	13.679,825	173.617,017	12,691	12,221	77	96	3.315	12,648	31,663	2,504	2,033
28	47	96.165	12.693,480	159.937,192	12,600	12,130	78	97	2.247	7,976	19,016	2,384	1,914
29	48	95.908	11.776,264	147.243,712	12,503	12,033	79	98	1.471	4,856	11,040	2,274	1,803
30	49	95.637	10.923,752	135.467,448	12,401	11,931	80	99	928	2,850	6,185	2,170	1,700
31	50	95.337	10.129,768	124.543,696	12,295	11,825	81	100	563	1,608	3,334	2,074	1,604
32	51	95.021	9.391,809	114.413,927	12,182	11,712	82	101	327	0,870	1,727	1,984	1,514
33	52	94.680	8.705,166	105.022,118	12,064	11,594	83	102	182	0,449	0,856	1,905	1,435
34	53	94.311	8.066,265	96.316,953	11,941	11,470	84	103	97	0,222	0,407	1,832	1,362
35	54	93.923	7.472,666	88.250,688	11,810	11,340	85	104	49	0,105	0,185	1,764	1,294
36	55	93.498	6.919,889	80.778,022	11,673	11,203	86	105	24	0,047	0,080	1,694	1,223
37	56	93.039	6.405,491	73.858,132	11,530	11,060	87	106					
38	57	92.554	5.927,504	67.452,641	11,380	10,909	88	107					
39	58	92.014	5.481,784	61.525,137	11,224	10,753	89	108					
40	59	91.429	5.066,956	56.043,353	11,061	10,590	90	109					
41	60	90.808	4.681,409	50.976,397	10,889	10,419	91	110					
42	61	90.137	4.322,602	46.294,988	10,710	10,240	92	111					
43	62	89.432	3.989,579	41.972,386	10,521	10,050	93	112					
44	63	88.649	3.678,752	37.982,807	10,325	9,855	94						
45	64	87.810	3.389,700	34.304,055	10,120	9,650	95						
46	65	86.899	3.120,519	30.914,355	9,907	9,437	96						
47	66	85.897	2.869,327	27.793,836	9,687	9,216	97						
48	67	84.800	2.635,055	24.924,508	9,459	8,989	98						
49	68	83.595	2.416,392	22.289,453	9,224	8,754	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -20 Jahre

Zinsfuß 7,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	20	99.324	99.323,980	1.382.910,408	13,923	13,453	50	70	81.219	2.183,901	19.163,423	8,775	8,305
1	21	98.840	91.943,818	1.283.586,429	13,961	13,490	51	71	79.668	1.992,737	16.979,522	8,521	8,050
2	22	98.776	85.473,662	1.191.642,611	13,942	13,471	52	72	77.970	1.814,208	14.986,785	8,261	7,791
3	23	98.729	79.472,853	1.106.168,948	13,919	13,449	53	73	76.115	1.647,489	13.172,577	7,996	7,525
4	24	98.685	73.895,464	1.026.696,095	13,894	13,424	54	74	74.096	1.491,890	11.525,088	7,725	7,255
5	25	98.645	68.712,076	952.800,631	13,867	13,396	55	75	71.918	1.347,007	10.033,198	7,449	6,978
6	26	98.607	63.893,731	884.088,555	13,837	13,367	56	76	69.529	1.211,405	8.686,191	7,170	6,700
7	27	98.568	59.412,464	820.194,823	13,805	13,335	57	77	66.987	1.085,698	7.474,786	6,885	6,414
8	28	98.527	55.244,479	760.782,359	13,771	13,301	58	78	64.247	968,640	6.389,088	6,596	6,126
9	29	98.486	51.368,851	705.537,880	13,735	13,264	59	79	61.276	859,397	5.420,448	6,307	5,837
10	30	98.448	47.766,520	654.169,029	13,695	13,225	60	80	58.082	757,760	4.561,051	6,019	5,549
11	31	98.407	44.415,250	606.402,509	13,653	13,183	61	81	54.630	663,005	3.803,291	5,736	5,266
12	32	98.357	41.295,786	561.987,259	13,609	13,139	62	82	50.965	575,374	3.140,286	5,458	4,988
13	33	98.310	38.396,011	520.691,473	13,561	13,091	63	83	47.030	493,899	2.564,912	5,193	4,723
14	34	98.258	35.698,318	482.295,462	13,510	13,040	64	84	43.029	420,355	2.071,012	4,927	4,457
15	35	98.193	33.186,046	446.597,144	13,457	12,987	65	85	38.946	353,929	1.650,657	4,664	4,194
16	36	98.120	30.847,657	413.411,098	13,402	12,931	66	86	34.942	295,385	1.296,728	4,390	3,920
17	37	98.027	28.668,285	382.563,441	13,344	12,874	67	87	30.818	242,348	1.001,343	4,132	3,662
18	38	97.917	26.638,310	353.895,156	13,285	12,815	68	88	26.603	194,606	758,995	3,900	3,430
19	39	97.774	24.743,707	327.256,847	13,226	12,756	69	89	22.558	153,502	564,389	3,677	3,206
20	40	97.618	22.980,458	302.513,140	13,164	12,694	70	90	18.719	118,495	410,887	3,468	2,997
21	41	97.458	21.342,334	279.532,682	13,098	12,627	71	91	15.213	89,580	292,392	3,264	2,794
22	42	97.286	19.818,158	258.190,348	13,028	12,558	72	92	11.973	65,582	202,812	3,093	2,622
23	43	97.103	18.400,878	238.372,190	12,954	12,484	73	93	9.179	46,770	137,230	2,934	2,464
24	44	96.905	17.082,207	219.971,312	12,877	12,407	74	94	6.847	32,452	90,461	2,788	2,317
25	45	96.700	15.856,791	202.889,105	12,795	12,325	75	95	4.962	21,878	58,009	2,651	2,181
26	46	96.476	14.716,337	187.032,314	12,709	12,239	76	96	3.489	14,310	36,131	2,525	2,055
27	47	96.234	13.655,257	172.315,977	12,619	12,149	77	97	2.377	9,070	21,821	2,406	1,935
28	48	95.978	12.668,796	158.660,720	12,524	12,053	78	98	1.566	5,557	12,750	2,294	1,824
29	49	95.704	11.751,299	145.991,924	12,423	11,953	79	99	994	3,282	7,193	2,191	1,721
30	50	95.407	10.897,462	134.240,625	12,319	11,848	80	100	608	1,867	3,911	2,094	1,624
31	51	95.096	10.104,174	123.343,163	12,207	11,737	81	101	357	1,019	2,043	2,005	1,535
32	52	94.757	9.365,726	113.238,989	12,091	11,621	82	102	201	0,533	1,024	1,921	1,451
33	53	94.393	8.678,848	103.873,264	11,969	11,498	83	103	108	0,266	0,491	1,847	1,377
34	54	94.013	8.040,795	95.194,415	11,839	11,369	84	104	55	0,127	0,225	1,779	1,309
35	55	93.596	7.446,674	87.153,620	11,704	11,233	85	105	27	0,058	0,099	1,715	1,245
36	56	93.144	6.893,685	79.706,946	11,562	11,092	86	106					
37	57	92.666	6.379,775	72.813,261	11,413	10,943	87	107					
38	58	92.141	5.901,049	66.433,486	11,258	10,788	88	108					
39	59	91.570	5.455,386	60.532,437	11,096	10,626	89	109					
40	60	90.965	5.041,197	55.077,051	10,925	10,455	90	110					
41	61	90.308	4.655,641	50.035,854	10,747	10,277	91	111					
42	62	89.629	4.298,277	45.380,213	10,558	10,087	92	112					
43	63	88.869	3.964,473	41.081,936	10,363	9,892	93						
44	64	88.046	3.653,730	37.117,463	10,159	9,689	94						
45	65	87.167	3.364,912	33.463,733	9,945	9,475	95						
46	66	86.190	3.095,032	30.098,821	9,725	9,255	96						
47	67	85.119	2.843,341	27.003,789	9,497	9,027	97						
48	68	83.938	2.608,270	24.160,447	9,263	8,793	98						
49	69	82.639	2.388,755	21.552,178	9,022	8,552	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -21 Jahre

Zinsfuß 7,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	21	99.293	99.292,607	1.380.993,246	13,908	13,438	50	71	80.064	2.152,860	18.419,840	8,556	8,086
1	22	98.815	91.921,322	1.281.700,638	13,943	13,473	51	72	78.376	1.960,430	16.266,980	8,298	7,827
2	23	98.749	85.450,521	1.189.779,316	13,924	13,453	52	73	76.564	1.781,499	14.306,550	8,031	7,560
3	24	98.703	79.452,118	1.104.328,795	13,899	13,429	53	74	74.565	1.613,926	12.525,051	7,761	7,290
4	25	98.658	73.875,389	1.024.876,677	13,873	13,403	54	75	72.409	1.457,932	10.911,125	7,484	7,014
5	26	98.621	68.695,168	951.001,288	13,844	13,374	55	76	70.053	1.312,082	9.453,193	7,205	6,734
6	27	98.580	63.875,844	882.306,120	13,813	13,343	56	77	67.516	1.176,337	8.141,111	6,921	6,450
7	28	98.539	59.395,149	818.430,276	13,779	13,309	57	78	64.808	1.050,377	6.964,773	6,631	6,160
8	29	98.498	55.228,082	759.035,127	13,744	13,273	58	79	61.866	932,741	5.914,396	6,341	5,871
9	30	98.458	51.353,815	703.807,045	13,705	13,235	59	80	58.699	823,245	4.981,656	6,051	5,581
10	31	98.416	47.750,881	652.453,230	13,664	13,193	60	81	55.252	720,846	4.158,410	5,769	5,299
11	32	98.372	44.399,384	604.702,349	13,620	13,149	61	82	51.585	626,047	3.437,564	5,491	5,021
12	33	98.322	41.281,102	560.302,965	13,573	13,103	62	83	47.672	538,191	2.811,517	5,224	4,754
13	34	98.270	38.380,668	519.021,863	13,523	13,053	63	84	43.660	458,508	2.273,326	4,958	4,488
14	35	98.212	35.681,582	480.641,194	13,470	13,000	64	85	39.571	386,575	1.814,819	4,695	4,224
15	36	98.143	33.169,056	444.959,612	13,415	12,945	65	86	35.565	323,199	1.428,244	4,419	3,949
16	37	98.065	30.830,214	411.790,556	13,357	12,886	66	87	31.419	265,606	1.105,045	4,160	3,690
17	38	97.967	28.650,705	380.960,342	13,297	12,826	67	88	27.185	213,780	839,439	3,927	3,456
18	39	97.849	26.619,676	352.309,637	13,235	12,765	68	89	23.104	169,010	625,658	3,702	3,232
19	40	97.696	24.723,905	325.689,962	13,173	12,703	69	90	19.214	130,749	456,648	3,493	3,022
20	41	97.533	22.960,465	300.966,057	13,108	12,638	70	91	15.660	99,126	325,899	3,288	2,817
21	42	97.362	21.321,238	278.005,591	13,039	12,569	71	92	12.362	72,793	226,774	3,115	2,645
22	43	97.176	19.795,869	256.684,353	12,967	12,496	72	93	9.514	52,112	153,981	2,955	2,485
23	44	96.977	18.376,993	236.888,484	12,890	12,420	73	94	7.123	36,294	101,869	2,807	2,337
24	45	96.770	17.058,428	218.511,491	12,810	12,339	74	95	5.182	24,562	65,575	2,670	2,200
25	46	96.547	15.831,642	201.453,063	12,725	12,254	75	96	3.658	16,129	41,014	2,543	2,073
26	47	96.303	14.689,907	185.621,420	12,636	12,166	76	97	2.502	10,263	24,885	2,425	1,954
27	48	96.047	13.628,702	170.931,514	12,542	12,072	77	98	1.656	6,320	14,622	2,314	1,843
28	49	95.775	12.641,939	157.302,812	12,443	11,973	78	99	1.058	3,757	8,302	2,210	1,740
29	50	95.474	11.723,017	144.660,873	12,340	11,870	79	100	651	2,150	4,545	2,114	1,644
30	51	95.166	10.869,928	132.937,856	12,230	11,760	80	101	385	1,184	2,395	2,024	1,553
31	52	94.832	10.076,112	122.067,928	12,115	11,644	81	102	219	0,624	1,211	1,940	1,470
32	53	94.471	9.337,411	111.991,816	11,994	11,524	82	103	119	0,315	0,587	1,861	1,391
33	54	94.095	8.651,444	102.654,405	11,866	11,395	83	104	61	0,152	0,272	1,793	1,322
34	55	93.686	8.012,828	94.002,960	11,732	11,261	84	105	30	0,069	0,120	1,728	1,258
35	56	93.242	7.418,475	85.990,133	11,591	11,121	85	106					
36	57	92.770	6.866,009	78.571,658	11,444	10,973	86	107					
37	58	92.252	6.351,301	71.705,649	11,290	10,820	87	108					
38	59	91.697	5.872,632	65.354,348	11,129	10,658	88	109					
39	60	91.105	5.427,652	59.481,716	10,959	10,489	89	110					
40	61	90.464	5.013,449	54.054,064	10,782	10,312	90	111					
41	62	89.800	4.629,443	49.040,615	10,593	10,123	91	112					
42	63	89.065	4.271,229	44.411,173	10,398	9,927	92						
43	64	88.264	3.937,507	40.139,944	10,194	9,724	93						
44	65	87.402	3.627,011	36.202,437	9,981	9,511	94						
45	66	86.456	3.337,429	32.575,426	9,761	9,290	95						
46	67	85.409	3.067,002	29.237,997	9,533	9,063	96						
47	68	84.254	2.814,439	26.170,995	9,299	8,829	97						
48	69	82.978	2.578,438	23.356,556	9,058	8,588	98						
49	70	81.585	2.358,278	20.778,119	8,811	8,340	99						
							100						

Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente nach der Sterbetafel 2002/2004

Altersdifferenz zwischen Mann und Frau (x - y) = -22 Jahre

Zinsfuß 7,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	22	99.268	99.268,313	1.378.953,448	13,891	13,421	50	72	78.766	2.117,957	17.642,932	8,330	7,860
1	23	98.789	91.896,435	1.279.685,134	13,925	13,455	51	73	76.963	1.925,085	15.524,975	8,065	7,594
2	24	98.723	85.428,226	1.187.788,699	13,904	13,434	52	74	75.004	1.745,206	13.599,889	7,793	7,322
3	25	98.676	79.430,533	1.102.360,472	13,878	13,408	53	75	72.867	1.577,190	11.854,683	7,516	7,046
4	26	98.634	73.857,210	1.022.929,940	13,850	13,380	54	76	70.532	1.420,131	10.277,493	7,237	6,767
5	27	98.593	68.675,936	949.072,729	13,820	13,349	55	77	68.025	1.274,100	8.857,362	6,952	6,482
6	28	98.551	63.857,228	880.396,793	13,787	13,317	56	78	65.319	1.138,068	7.583,262	6,663	6,193
7	29	98.510	59.377,520	816.539,565	13,752	13,281	57	79	62.406	1.011,448	6.445,194	6,372	5,902
8	30	98.469	55.211,916	757.162,045	13,714	13,243	58	80	59.264	893,504	5.433,746	6,081	5,611
9	31	98.425	51.337,001	701.950,129	13,673	13,203	59	81	55.839	783,141	4.540,242	5,797	5,327
10	32	98.381	47.733,824	650.613,128	13,630	13,160	60	82	52.172	680,663	3.757,101	5,520	5,049
11	33	98.337	44.383,597	602.879,304	13,583	13,113	61	83	48.251	585,589	3.076,437	5,254	4,783
12	34	98.283	41.264,607	558.495,707	13,534	13,064	62	84	44.256	499,625	2.490,848	4,985	4,515
13	35	98.224	38.362,675	517.231,100	13,483	13,012	63	85	40.151	421,661	1.991,223	4,722	4,252
14	36	98.161	35.663,315	478.868,425	13,427	12,957	64	86	36.135	353,010	1.569,562	4,446	3,976
15	37	98.088	33.150,300	443.205,111	13,370	12,899	65	87	31.979	290,616	1.216,551	4,186	3,716
16	38	98.004	30.811,309	410.054,811	13,309	12,838	66	88	27.716	234,297	925,935	3,952	3,482
17	39	97.898	28.630,663	379.243,502	13,246	12,776	67	89	23.610	185,663	691,638	3,725	3,255
18	40	97.770	26.598,373	350.612,839	13,182	12,711	68	90	19.679	143,958	505,976	3,515	3,044
19	41	97.611	24.702,396	324.014,466	13,117	12,646	69	91	16.073	109,377	362,017	3,310	2,840
20	42	97.436	22.937,769	299.312,070	13,049	12,579	70	92	12.725	80,549	252,641	3,136	2,666
21	43	97.253	21.297,258	276.374,301	12,977	12,507	71	93	9.823	57,842	172,091	2,975	2,505
22	44	97.050	19.770,174	255.077,042	12,902	12,432	72	94	7.383	40,439	114,249	2,825	2,355
23	45	96.842	18.351,412	235.306,869	12,822	12,352	73	95	5.391	27,469	73,810	2,687	2,217
24	46	96.617	17.031,373	216.955,456	12,739	12,268	74	96	3.820	18,107	46,341	2,559	2,089
25	47	96.373	15.803,209	199.924,083	12,651	12,181	75	97	2.623	11,567	28,233	2,441	1,971
26	48	96.116	14.661,340	184.120,874	12,558	12,088	76	98	1.743	7,150	16,666	2,331	1,860
27	49	95.843	13.599,810	169.459,534	12,460	11,990	77	99	1.120	4,272	9,515	2,227	1,757
28	50	95.544	12.611,513	155.859,724	12,359	11,888	78	100	693	2,461	5,243	2,131	1,660
29	51	95.233	11.693,397	143.248,211	12,250	11,780	79	101	413	1,363	2,782	2,041	1,571
30	52	94.901	10.839,740	131.554,814	12,136	11,666	80	102	236	0,725	1,419	1,957	1,486
31	53	94.545	10.045,650	120.715,074	12,017	11,546	81	103	129	0,369	0,694	1,879	1,408
32	54	94.172	9.307,928	110.669,424	11,890	11,420	82	104	68	0,180	0,325	1,805	1,335
33	55	93.768	8.621,352	101.361,496	11,757	11,287	83	105	34	0,083	0,145	1,740	1,270
34	56	93.331	7.982,484	92.740,143	11,618	11,148	84	106					
35	57	92.868	7.388,691	84.757,659	11,471	11,001	85	107					
36	58	92.356	6.835,365	77.368,968	11,319	10,849	86	108					
37	59	91.808	6.320,716	70.533,603	11,159	10,689	87	109					
38	60	91.231	5.842,777	64.212,887	10,990	10,520	88	110					
39	61	90.604	5.397,777	58.370,110	10,814	10,343	89	111					
40	62	89.955	4.985,236	52.972,333	10,626	10,156	90	112					
41	63	89.235	4.600,310	47.987,097	10,431	9,961	91						
42	64	88.459	4.242,176	43.386,787	10,227	9,757	92						
43	65	87.619	3.908,713	39.144,611	10,015	9,544	93						
44	66	86.688	3.597,388	35.235,898	9,795	9,325	94						
45	67	85.673	3.307,204	31.638,510	9,567	9,096	95						
46	68	84.541	3.035,826	28.331,306	9,332	8,862	96						
47	69	83.290	2.782,248	25.295,481	9,092	8,621	97						
48	70	81.919	2.545,541	22.513,232	8,844	8,374	98						
49	71	80.425	2.324,759	19.967,691	8,589	8,119	99						
							100						

Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004

Altersdifferenz zwischen Mann und Frau (x - y) = -23 Jahre

Zinsfuß 7,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	23	99.241	99.241,437	1.376.774,216	13,873	13,403	50	73	77.346	2.079,772	16.834,516	8,094	7,624
1	24	98.763	91.872,459	1.277.532,778	13,906	13,435	51	74	75.395	1.885,867	14.754,743	7,824	7,354
2	25	98.696	85.405,017	1.185.660,319	13,883	13,413	52	75	73.297	1.705,482	12.868,877	7,546	7,075
3	26	98.652	79.410,988	1.100.255,302	13,855	13,385	53	76	70.978	1.536,298	11.163,395	7,266	6,796
4	27	98.606	73.836,533	1.020.844,314	13,826	13,355	54	77	68.490	1.379,021	9.627,097	6,981	6,511
5	28	98.564	68.655,922	947.007,781	13,794	13,323	55	78	65.812	1.232,650	8.248,076	6,691	6,221
6	29	98.522	63.838,274	878.351,859	13,759	13,289	56	79	62.899	1.095,889	7.015,426	6,402	5,931
7	30	98.481	59.360,139	814.513,585	13,722	13,251	57	80	59.781	968,900	5.919,537	6,110	5,639
8	31	98.437	55.193,839	755.153,446	13,682	13,212	58	81	56.377	849,977	4.950,637	5,824	5,354
9	32	98.390	51.318,663	699.959,607	13,639	13,169	59	82	52.727	739,486	4.100,660	5,545	5,075
10	33	98.346	47.716,851	648.640,944	13,594	13,123	60	83	48.801	636,676	3.361,174	5,279	4,809
11	34	98.297	44.365,862	600.924,093	13,545	13,074	61	84	44.794	543,627	2.724,498	5,012	4,541
12	35	98.237	41.245,262	556.558,231	13,494	13,024	62	85	40.699	459,475	2.180,871	4,746	4,276
13	36	98.174	38.343,035	515.312,969	13,440	12,969	63	86	36.665	385,051	1.721,396	4,471	4,000
14	37	98.106	35.643,148	476.969,935	13,382	12,912	64	87	32.492	317,422	1.336,345	4,210	3,740
15	38	98.028	33.129,972	441.326,786	13,321	12,851	65	88	28.210	256,359	1.018,923	3,975	3,504
16	39	97.936	30.789,756	408.196,814	13,258	12,787	66	89	24.070	203,481	762,564	3,748	3,277
17	40	97.820	28.607,751	377.407,059	13,192	12,722	67	90	20.110	158,143	559,084	3,535	3,065
18	41	97.685	26.575,233	348.799,308	13,125	12,655	68	91	16.463	120,427	400,941	3,329	2,859
19	42	97.515	24.677,978	322.224,075	13,057	12,587	69	92	13.061	88,879	280,514	3,156	2,686
20	43	97.327	22.911,972	297.546,097	12,986	12,516	70	93	10.111	64,005	191,635	2,994	2,524
21	44	97.126	21.269,614	274.634,125	12,912	12,442	71	94	7.623	44,886	127,629	2,843	2,373
22	45	96.915	19.742,654	253.364,511	12,833	12,363	72	95	5.588	30,607	82,744	2,703	2,233
23	46	96.689	18.322,307	233.621,857	12,751	12,280	73	96	3.974	20,251	52,137	2,575	2,104
24	47	96.443	17.000,785	215.299,551	12,664	12,194	74	97	2.740	12,986	31,886	2,455	1,985
25	48	96.186	15.772,477	198.298,765	12,572	12,102	75	98	1.828	8,059	18,900	2,345	1,875
26	49	95.912	14.630,259	182.526,288	12,476	12,006	76	99	1.179	4,834	10,840	2,243	1,772
27	50	95.613	13.567,079	167.896,029	12,375	11,905	77	100	734	2,799	6,006	2,146	1,676
28	51	95.303	12.579,649	154.328,950	12,268	11,798	78	101	440	1,560	3,208	2,056	1,586
29	52	94.968	11.660,922	141.749,302	12,156	11,686	79	102	253	0,835	1,647	1,973	1,502
30	53	94.615	10.806,969	130.088,380	12,037	11,567	80	103	140	0,429	0,812	1,894	1,424
31	54	94.247	10.013,930	119.281,411	11,912	11,441	81	104	74	0,211	0,383	1,821	1,351
32	55	93.845	9.275,553	109.267,480	11,780	11,310	82	105	37	0,099	0,173	1,752	1,281
33	56	93.413	8.588,705	99.991,927	11,642	11,172	83	106					
34	57	92.956	7.950,437	91.403,223	11,497	11,026	84	107					
35	58	92.453	7.355,715	83.452,786	11,345	10,875	85	108					
36	59	91.912	6.802,448	76.097,071	11,187	10,716	86	109					
37	60	91.341	6.288,583	69.294,623	11,019	10,549	87	110					
38	61	90.729	5.810,617	63.006,040	10,843	10,373	88	111					
39	62	90.094	5.367,402	57.195,423	10,656	10,186	89	112					
40	63	89.389	4.953,865	51.828,021	10,462	9,992	90						
41	64	88.628	4.569,019	46.874,157	10,259	9,789	91						
42	65	87.813	4.211,154	42.305,137	10,046	9,576	92						
43	66	86.903	3.876,789	38.093,983	9,826	9,356	93						
44	67	85.903	3.564,808	34.217,194	9,599	9,128	94						
45	68	84.802	3.273,586	30.652,387	9,364	8,893	95						
46	69	83.574	3.001,103	27.378,801	9,123	8,653	96						
47	70	82.228	2.746,752	24.377,697	8,875	8,405	97						
48	71	80.755	2.509,360	21.630,946	8,620	8,150	98						
49	72	79.121	2.287,069	19.121,585	8,361	7,890	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -24 Jahre

Zinsfuß 7,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	24	99.216	99.215,545	1.374.447,904	13,853	13,383	50	74	75.770	2.037,403	15.995,950	7,851	7,381
1	25	98.736	91.847,499	1.275.232,359	13,884	13,414	51	75	73.679	1.842,941	13.958,547	7,574	7,104
2	26	98.672	85.384,002	1.183.384,860	13,860	13,389	52	76	71.397	1.661,263	12.115,606	7,293	6,823
3	27	98.624	79.388,756	1.098.000,858	13,831	13,360	53	77	68.923	1.491,824	10.454,343	7,008	6,537
4	28	98.578	73.815,015	1.018.612,102	13,800	13,329	54	78	66.262	1.334,158	8.962,519	6,718	6,247
5	29	98.535	68.635,543	944.797,087	13,765	13,295	55	79	63.373	1.186,965	7.628,361	6,427	5,956
6	30	98.493	63.819,588	876.161,543	13,729	13,258	56	80	60.253	1.049,789	6.441,395	6,136	5,666
7	31	98.449	59.340,704	812.341,955	13,689	13,219	57	81	56.869	921,701	5.391,606	5,850	5,379
8	32	98.402	55.174,123	753.001,252	13,648	13,177	58	82	53.234	802,596	4.469,905	5,569	5,099
9	33	98.355	51.300,415	697.827,129	13,603	13,132	59	83	49.319	691,697	3.667,309	5,302	4,832
10	34	98.307	47.697,784	646.526,713	13,555	13,084	60	84	45.304	591,053	2.975,612	5,034	4,564
11	35	98.251	44.345,063	598.828,929	13,504	13,034	61	85	41.194	499,940	2.384,559	4,770	4,299
12	36	98.187	41.224,146	554.483,867	13,450	12,980	62	86	37.166	419,581	1.884,618	4,492	4,021
13	37	98.118	38.321,353	513.259,721	13,394	12,923	63	87	32.969	346,232	1.465,037	4,231	3,761
14	38	98.046	35.621,291	474.938,367	13,333	12,863	64	88	28.662	280,005	1.118,805	3,996	3,525
15	39	97.959	33.106,797	439.317,076	13,270	12,799	65	89	24.499	222,641	838,800	3,768	3,297
16	40	97.857	30.765,116	406.210,279	13,204	12,733	66	90	20.503	173,320	616,159	3,555	3,085
17	41	97.735	28.582,863	375.445,163	13,135	12,665	67	91	16.823	132,292	442,840	3,347	2,877
18	42	97.589	26.548,964	346.862,300	13,065	12,595	68	92	13.378	97,859	310,547	3,173	2,703
19	43	97.405	24.650,223	320.313,337	12,994	12,524	69	93	10.379	70,624	212,688	3,012	2,541
20	44	97.200	22.882,232	295.663,113	12,921	12,451	70	94	7.846	49,669	142,064	2,860	2,390
21	45	96.991	21.240,007	272.780,882	12,843	12,373	71	95	5.769	33,972	92,395	2,720	2,249
22	46	96.761	19.711,341	251.540,875	12,761	12,291	72	96	4.119	22,564	58,423	2,589	2,119
23	47	96.515	18.289,400	231.829,534	12,676	12,205	73	97	2.850	14,523	35,859	2,469	1,999
24	48	96.256	16.967,725	213.540,133	12,585	12,115	74	98	1.909	9,048	21,336	2,358	1,888
25	49	95.982	15.739,041	196.572,409	12,489	12,019	75	99	1.236	5,448	12,288	2,255	1,785
26	50	95.681	14.595,048	180.833,368	12,390	11,920	76	100	772	3,167	6,839	2,160	1,690
27	51	95.371	13.532,800	166.238,320	12,284	11,814	77	101	465	1,774	3,673	2,070	1,600
28	52	95.038	12.544,712	152.705,520	12,173	11,703	78	102	269	0,956	1,898	1,986	1,516
29	53	94.681	11.625,668	140.160,808	12,056	11,586	79	103	150	0,494	0,943	1,908	1,438
30	54	94.316	10.772,845	128.535,140	11,931	11,461	80	104	80	0,245	0,449	1,835	1,364
31	55	93.919	9.979,100	117.762,294	11,801	11,331	81	105	40	0,116	0,204	1,766	1,296
32	56	93.490	9.240,428	107.783,195	11,664	11,194	82	106					
33	57	93.038	8.554,223	98.542,767	11,520	11,049	83	107					
34	58	92.541	7.914,953	89.988,544	11,369	10,899	84	108					
35	59	92.008	7.320,293	82.073,590	11,212	10,742	85	109					
36	60	91.444	6.767,866	74.753,298	11,045	10,575	86	110					
37	61	90.838	6.253,969	67.985,431	10,871	10,400	87	111					
38	62	90.218	5.777,918	61.731,463	10,684	10,214	88	112					
39	63	89.527	5.333,625	55.953,544	10,491	10,020	89						
40	64	88.781	4.920,169	50.619,919	10,288	9,818	90						
41	65	87.980	4.535,607	45.699,750	10,076	9,605	91						
42	66	87.095	4.176,760	41.164,143	9,856	9,385	92						
43	67	86.116	3.841,678	36.987,383	9,628	9,158	93						
44	68	85.030	3.528,571	33.145,704	9,394	8,923	94						
45	69	83.832	3.236,144	29.617,133	9,152	8,682	95						
46	70	82.508	2.962,815	26.380,989	8,904	8,434	96						
47	71	81.059	2.707,711	23.418,174	8,649	8,178	97						
48	72	79.446	2.468,678	20.710,463	8,389	7,919	98						
49	73	77.695	2.245,836	18.241,785	8,122	7,652	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -25 Jahre

Zinsfuß 7,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	25	99.189	99.188,590	1.371.962,460	13,832	13,362	50	75	74.046	1.991,028	15.129,691	7,599	7,129
1	26	98.712	91.824,899	1.272.773,870	13,861	13,391	51	76	71.769	1.795,158	13.138,664	7,319	6,849
2	27	98.644	85.360,098	1.180.948,972	13,835	13,365	52	77	69.330	1.613,172	11.343,505	7,032	6,562
3	28	98.596	79.365,619	1.095.588,873	13,804	13,334	53	78	66.681	1.443,292	9.730,333	6,742	6,271
4	29	98.548	73.793,105	1.016.223,254	13,771	13,301	54	79	63.806	1.284,711	8.287,041	6,451	5,980
5	30	98.506	68.615,453	942.430,149	13,735	13,265	55	80	60.707	1.137,034	7.002,330	6,158	5,688
6	31	98.461	63.798,692	873.814,696	13,696	13,226	56	81	57.317	998,649	5.865,296	5,873	5,403
7	32	98.414	59.319,507	810.016,003	13,655	13,185	57	82	53.699	870,322	4.866,647	5,592	5,121
8	33	98.367	55.154,504	750.696,496	13,611	13,141	58	83	49.794	750,729	3.996,325	5,323	4,853
9	34	98.316	51.279,917	695.541,992	13,564	13,093	59	84	45.785	642,132	3.245,596	5,054	4,584
10	35	98.261	47.675,422	644.262,075	13,514	13,043	60	85	41.663	543,555	2.603,464	4,790	4,319
11	36	98.201	44.322,360	596.586,653	13,460	12,990	61	86	37.617	456,533	2.059,909	4,512	4,042
12	37	98.131	41.200,835	552.264,293	13,404	12,934	62	87	33.419	377,281	1.603,376	4,250	3,780
13	38	98.058	38.297,854	511.063,458	13,344	12,874	63	88	29.082	305,419	1.226,094	4,014	3,544
14	39	97.977	35.596,374	472.765,604	13,281	12,811	64	89	24.892	243,177	920,675	3,786	3,316
15	40	97.881	33.080,303	437.169,230	13,215	12,745	65	90	20.868	189,640	677,499	3,573	3,102
16	41	97.772	30.738,351	404.088,927	13,146	12,676	66	91	17.151	144,989	487,859	3,365	2,895
17	42	97.638	28.554,609	373.350,576	13,075	12,605	67	92	13.670	107,501	342,870	3,189	2,719
18	43	97.479	26.519,105	344.795,967	13,002	12,532	68	93	10.630	77,760	235,369	3,027	2,557
19	44	97.279	24.618,227	318.276,862	12,929	12,458	69	94	8.054	54,805	157,610	2,876	2,406
20	45	97.065	22.850,379	293.658,636	12,851	12,381	70	95	5.939	37,592	102,804	2,735	2,264
21	46	96.837	21.206,320	270.808,256	12,770	12,300	71	96	4.253	25,045	65,212	2,604	2,134
22	47	96.588	19.675,940	249.601,936	12,686	12,215	72	97	2.954	16,182	40,167	2,482	2,012
23	48	96.327	18.253,834	229.925,996	12,596	12,126	73	98	1.986	10,119	23,985	2,370	1,900
24	49	96.052	16.931,754	211.672,162	12,501	12,031	74	99	1.290	6,117	13,866	2,267	1,797
25	50	95.751	15.701,161	194.740,408	12,403	11,933	75	100	809	3,569	7,749	2,171	1,701
26	51	95.439	14.558,172	179.039,247	12,298	11,828	76	101	489	2,007	4,180	2,082	1,612
27	52	95.106	13.495,216	164.481,075	12,188	11,718	77	102	285	1,087	2,173	1,999	1,528
28	53	94.751	12.506,787	150.985,859	12,072	11,602	78	103	159	0,565	1,086	1,920	1,450
29	54	94.382	11.588,960	138.479,072	11,949	11,479	79	104	85	0,282	0,520	1,848	1,377
30	55	93.988	10.735,375	126.890,112	11,820	11,350	80	105	44	0,134	0,239	1,778	1,308
31	56	93.563	9.941,310	116.154,737	11,684	11,214	81	106					
32	57	93.114	9.203,330	106.213,427	11,541	11,070	82	107					
33	58	92.623	8.516,045	97.010,097	11,391	10,921	83	108					
34	59	92.096	7.876,838	88.494,052	11,235	10,764	84	109					
35	60	91.540	7.283,078	80.617,215	11,069	10,599	85	110					
36	61	90.941	6.730,614	73.334,137	10,896	10,425	86	111					
37	62	90.327	6.218,775	66.603,522	10,710	10,240	87	112					
38	63	89.650	5.741,559	60.384,747	10,517	10,047	88						
39	64	88.918	5.297,347	54.643,188	10,315	9,845	89						
40	65	88.131	4.884,189	49.345,842	10,103	9,633	90						
41	66	87.261	4.498,563	44.461,653	9,884	9,413	91						
42	67	86.307	4.138,933	39.963,090	9,655	9,185	92						
43	68	85.241	3.802,628	35.824,157	9,421	8,951	93						
44	69	84.057	3.488,213	32.021,529	9,180	8,710	94						
45	70	82.762	3.194,857	28.533,316	8,931	8,461	95						
46	71	81.335	2.920,703	25.338,459	8,675	8,205	96						
47	72	79.745	2.663,813	22.417,756	8,416	7,945	97						
48	73	78.013	2.424,170	19.753,944	8,149	7,678	98						
49	74	76.112	2.200,083	17.329,774	7,877	7,407	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 1 Jahr

Zinsfuß 7,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	49	91.859	2.470,009	27.834,462	11,269	10,799
1	0	99.544	92.598,856	1.304.283,896	14,085	13,615	51	50	91.184	2.280,794	25.364,453	11,121	10,651
2	1	99.126	85.776,741	1.211.685,040	14,126	13,656	52	51	90.482	2.105,344	23.083,659	10,964	10,494
3	2	99.070	79.747,681	1.125.908,299	14,118	13,648	53	52	89.702	1.941,566	20.978,315	10,805	10,335
4	3	99.033	74.155,692	1.046.160,618	14,108	13,637	54	53	88.868	1.789,330	19.036,748	10,639	10,169
5	4	99.002	68.960,950	972.004,925	14,095	13,625	55	54	87.986	1.647,971	17.247,419	10,466	9,996
6	5	98.976	64.132,652	903.043,976	14,081	13,611	56	55	87.024	1.516,229	15.599,448	10,288	9,818
7	6	98.952	59.643,530	838.911,324	14,065	13,595	57	56	86.015	1.394,100	14.083,219	10,102	9,632
8	7	98.930	55.470,391	779.267,794	14,048	13,578	58	57	84.929	1.280,455	12.689,118	9,910	9,440
9	8	98.910	51.589,735	723.797,404	14,030	13,560	59	58	83.744	1.174,504	11.408,663	9,714	9,243
10	9	98.891	47.981,354	672.207,669	14,010	13,539	60	59	82.465	1.075,872	10.234,159	9,512	9,042
11	10	98.875	44.626,739	624.226,315	13,988	13,517	61	60	81.122	984,513	9.158,288	9,302	8,832
12	11	98.853	41.503,758	579.599,576	13,965	13,495	62	61	79.706	899,845	8.173,775	9,084	8,613
13	12	98.831	38.599,485	538.095,818	13,940	13,470	63	62	78.190	821,143	7.273,930	8,858	8,388
14	13	98.809	35.898,793	499.496,333	13,914	13,444	64	63	76.575	748,078	6.452,786	8,626	8,156
15	14	98.782	33.384,830	463.597,540	13,886	13,416	65	64	74.854	680,246	5.704,708	8,386	7,916
16	15	98.747	31.044,712	430.212,710	13,858	13,388	66	65	73.005	617,158	5.024,462	8,141	7,671
17	16	98.691	28.862,583	399.167,998	13,830	13,360	67	66	71.024	558,517	4.407,303	7,891	7,421
18	17	98.620	26.829,623	370.305,414	13,802	13,332	68	67	68.873	503,817	3.848,787	7,639	7,169
19	18	98.524	24.933,371	343.475,791	13,776	13,305	69	68	66.561	452,936	3.344,970	7,385	6,915
20	19	98.416	23.168,488	318.542,420	13,749	13,279	70	69	64.105	405,791	2.892,034	7,127	6,657
21	20	98.314	21.529,727	295.373,932	13,719	13,249	71	70	61.483	362,036	2.486,243	6,867	6,397
22	21	98.206	20.005,629	273.844,204	13,688	13,218	72	71	58.700	321,537	2.124,206	6,606	6,136
23	22	98.108	18.591,306	253.838,576	13,654	13,183	73	72	55.716	283,895	1.802,670	6,350	5,879
24	23	98.009	17.276,741	235.247,269	13,616	13,146	74	73	52.589	249,270	1.518,774	6,093	5,623
25	24	97.912	16.055,536	217.970,529	13,576	13,106	75	74	49.330	217,511	1.269,505	5,837	5,366
26	25	97.814	14.920,403	201.914,993	13,533	13,063	76	75	45.979	188,588	1.051,994	5,578	5,108
27	26	97.720	13.866,105	186.994,590	13,486	13,015	77	76	42.552	162,357	863,406	5,318	4,848
28	27	97.623	12.885,870	173.128,485	13,436	12,965	78	77	39.059	138,631	701,049	5,057	4,587
29	28	97.522	11.974,554	160.242,615	13,382	12,912	79	78	35.494	117,190	562,418	4,799	4,329
30	29	97.425	11.127,981	148.268,061	13,324	12,854	80	79	31.903	97,983	445,228	4,544	4,074
31	30	97.325	10.341,020	137.140,080	13,262	12,791	81	80	28.289	80,824	347,245	4,296	3,826
32	31	97.217	9.608,810	126.799,059	13,196	12,726	82	81	24.702	65,650	266,421	4,058	3,588
33	32	97.102	8.927,915	117.190,249	13,126	12,656	83	82	21.136	52,253	200,771	3,842	3,372
34	33	96.983	8.294,802	108.262,334	13,052	12,582	84	83	17.755	40,833	148,519	3,637	3,167
35	34	96.851	7.705,645	99.967,532	12,973	12,503	85	84	14.665	31,374	107,685	3,432	2,962
36	35	96.705	7.157,183	92.261,888	12,891	12,421	86	85	11.920	23,721	76,311	3,217	2,747
37	36	96.546	6.646,925	85.104,704	12,804	12,333	87	86	9.443	17,481	52,590	3,008	2,538
38	37	96.375	6.172,223	78.457,780	12,711	12,241	88	87	7.216	12,426	35,109	2,825	2,355
39	38	96.183	5.730,175	72.285,556	12,615	12,145	89	88	5.312	8,509	22,682	2,666	2,195
40	39	95.968	5.318,457	66.555,381	12,514	12,044	90	89	3.784	5,638	14,173	2,514	2,043
41	40	95.726	4.934,929	61.236,924	12,409	11,939	91	90	2.598	3,601	8,535	2,370	1,900
42	41	95.461	4.577,925	56.301,995	12,299	11,828	92	91	1.711	2,206	4,934	2,237	1,766
43	42	95.156	4.244,942	51.724,070	12,185	11,715	93	92	1.071	1,284	2,728	2,124	1,654
44	43	94.814	3.934,578	47.479,127	12,067	11,597	94	93	640	0,714	1,444	2,022	1,552
45	44	94.436	3.645,515	43.544,549	11,945	11,474	95	94	365	0,378	0,730	1,928	1,458
46	45	94.015	3.376,036	39.899,034	11,818	11,348	96	95	197	0,191	0,351	1,843	1,373
47	46	93.547	3.124,875	36.522,998	11,688	11,218	97	96	101	0,091	0,161	1,766	1,295
48	47	93.029	2.890,764	33.398,123	11,553	11,083	98	97	49	0,041	0,070	1,695	1,224
49	48	92.469	2.672,897	30.507,359	11,414	10,943	99	98	23	0,018	0,029	1,630	1,160
							100	99	10	0,007	0,011	1,571	1,101

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 2 Jahre

Zinsfuß 7,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	48	92.054	2.475,256	28.007,753	11,315	10,845
1							51	49	91.404	2.286,297	25.532,497	11,168	10,697
2	0	99.504	86.103,671	1.212.431,374	14,081	13,611	52	50	90.711	2.110,677	23.246,201	11,014	10,543
3	1	99.106	79.776,253	1.126.327,702	14,119	13,648	53	51	89.952	1.946,974	21.135,524	10,856	10,385
4	2	99.052	74.170,357	1.046.551,450	14,110	13,640	54	52	89.138	1.794,756	19.188,550	10,691	10,221
5	3	99.019	68.972,789	972.381,093	14,098	13,628	55	53	88.265	1.653,191	17.393,794	10,521	10,051
6	4	98.989	64.140,936	903.408,305	14,085	13,614	56	54	87.328	1.521,521	15.740,603	10,345	9,875
7	5	98.964	59.651,328	839.267,369	14,070	13,599	57	55	86.342	1.399,400	14.219,082	10,161	9,691
8	6	98.939	55.475,502	779.616,041	14,053	13,583	58	56	85.271	1.285,616	12.819,682	9,972	9,501
9	7	98.918	51.594,228	724.140,539	14,035	13,565	59	57	84.119	1.179,769	11.534,066	9,777	9,306
10	8	98.901	47.985,960	672.546,311	14,015	13,545	60	58	82.864	1.081,078	10.354,297	9,578	9,107
11	9	98.882	44.629,623	624.560,351	13,994	13,524	61	59	81.536	989,543	9.273,219	9,371	8,901
12	10	98.861	41.507,248	579.930,728	13,972	13,502	62	60	80.147	904,826	8.283,675	9,155	8,685
13	11	98.840	38.603,105	538.423,479	13,948	13,477	63	61	78.633	825,790	7.378,850	8,936	8,465
14	12	98.818	35.901,842	499.820,374	13,922	13,452	64	62	77.060	752,816	6.553,059	8,705	8,234
15	13	98.791	33.388,065	463.918,532	13,895	13,424	65	63	75.367	684,905	5.800,243	8,469	7,998
16	14	98.758	31.048,330	430.530,467	13,866	13,396	66	64	73.543	621,705	5.115,339	8,228	7,758
17	15	98.709	28.867,741	399.482,137	13,838	13,368	67	65	71.609	563,116	4.493,634	7,980	7,510
18	16	98.641	26.835,306	370.614,396	13,811	13,340	68	66	69.502	508,421	3.930,518	7,731	7,261
19	17	98.546	24.938,858	343.779,090	13,785	13,315	69	67	67.245	457,588	3.422,097	7,479	7,008
20	18	98.445	23.175,153	318.840,231	13,758	13,288	70	68	64.847	410,486	2.964,509	7,222	6,752
21	19	98.341	21.535,697	295.665,078	13,729	13,259	71	69	62.277	366,715	2.554,023	6,965	6,494
22	20	98.237	20.011,950	274.129,381	13,698	13,228	72	70	59.547	326,173	2.187,308	6,706	6,236
23	21	98.132	18.595,856	254.117,431	13,665	13,195	73	71	56.634	288,574	1.861,136	6,449	5,979
24	22	98.035	17.281,420	235.521,575	13,629	13,158	74	72	53.555	253,846	1.572,562	6,195	5,725
25	23	97.938	16.059,726	218.240,155	13,589	13,119	75	73	50.356	222,034	1.318,716	5,939	5,469
26	24	97.840	14.924,457	202.180,430	13,547	13,077	76	74	47.050	192,980	1.096,682	5,683	5,213
27	25	97.744	13.869,518	187.255,972	13,501	13,031	77	75	43.685	166,679	903,701	5,422	4,952
28	26	97.650	12.889,478	173.386,454	13,452	12,982	78	76	40.223	142,763	737,022	5,163	4,692
29	27	97.551	11.978,045	160.496,976	13,399	12,929	79	77	36.688	121,131	594,259	4,906	4,436
30	28	97.454	11.131,285	148.518,931	13,342	12,872	80	78	33.131	101,754	473,128	4,650	4,179
31	29	97.354	10.344,048	137.387,646	13,282	12,812	81	79	29.532	84,373	371,374	4,402	3,931
32	30	97.248	9.611,957	127.043,598	13,217	12,747	82	80	25.967	69,012	287,001	4,159	3,688
33	31	97.137	8.931,105	117.431,640	13,149	12,678	83	81	22.383	55,338	217,989	3,939	3,469
34	32	97.017	8.297,752	108.500,535	13,076	12,606	84	82	18.982	43,654	162,651	3,726	3,256
35	33	96.890	7.708,725	100.202,783	12,999	12,528	85	83	15.797	33,796	118,997	3,521	3,051
36	34	96.750	7.160,540	92.494,058	12,917	12,447	86	84	12.961	25,794	85,201	3,303	2,833
37	35	96.595	6.650,329	85.333,517	12,831	12,361	87	85	10.341	19,143	59,407	3,103	2,633
38	36	96.429	6.175,715	78.683,188	12,741	12,270	88	86	8.025	13,819	40,264	2,914	2,443
39	37	96.242	5.733,691	72.507,473	12,646	12,176	89	87	6.022	9,646	26,444	2,741	2,271
40	38	96.035	5.322,180	66.773,781	12,546	12,076	90	88	4.357	6,492	16,798	2,587	2,117
41	39	95.802	4.938,882	61.451,601	12,442	11,972	91	89	3.050	4,227	10,306	2,438	1,968
42	40	95.544	4.581,911	56.512,720	12,334	11,864	92	90	2.045	2,637	6,078	2,305	1,835
43	41	95.250	4.249,142	51.930,808	12,221	11,751	93	91	1.317	1,580	3,441	2,178	1,707
44	42	94.920	3.939,008	47.681,666	12,105	11,635	94	92	805	0,899	1,861	2,071	1,600
45	43	94.559	3.650,253	43.742,658	11,983	11,513	95	93	470	0,488	0,962	1,973	1,503
46	44	94.146	3.380,742	40.092,405	11,859	11,389	96	94	261	0,252	0,475	1,884	1,414
47	45	93.696	3.129,839	36.711,663	11,730	11,259	97	95	137	0,124	0,223	1,803	1,332
48	46	93.197	2.895,965	33.581,824	11,596	11,126	98	96	69	0,057	0,099	1,729	1,258
49	47	92.649	2.678,105	30.685,858	11,458	10,988	99	97	32	0,025	0,042	1,661	1,191
							100	98	14	0,010	0,017	1,600	1,129

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 3 Jahre

Zinsfuß 7,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	47	92.234	2.480,079	28.167,681	11,358	10,887
1							51	48	91.598	2.291,154	25.687,602	11,212	10,741
2							52	49	90.930	2.115,769	23.396,448	11,058	10,588
3	0	99.484	80.080,312	1.127.015,589	14,074	13,603	53	50	90.179	1.951,905	21.280,679	10,903	10,432
4	1	99.088	74.196,930	1.046.935,277	14,110	13,640	54	51	89.386	1.799,754	19.328,774	10,740	10,269
5	2	99.039	68.986,428	972.738,347	14,100	13,630	55	52	88.533	1.658,204	17.529,019	10,571	10,101
6	3	99.006	64.151,947	903.751,919	14,088	13,617	56	53	87.604	1.526,341	15.870,815	10,398	9,928
7	4	98.977	59.659,033	839.599,972	14,073	13,603	57	54	86.644	1.404,284	14.344,475	10,215	9,745
8	5	98.952	55.482,755	779.940,939	14,057	13,587	58	55	85.595	1.290,503	12.940,191	10,027	9,557
9	6	98.928	51.598,983	724.458,183	14,040	13,570	59	56	84.459	1.184,525	11.649,687	9,835	9,365
10	7	98.909	47.990,139	672.859,201	14,021	13,550	60	57	83.235	1.085,924	10.465,162	9,637	9,167
11	8	98.891	44.633,908	624.869,062	14,000	13,530	61	58	81.931	994,332	9.379,238	9,433	8,962
12	9	98.868	41.509,931	580.235,154	13,978	13,508	62	59	80.557	909,449	8.384,906	9,220	8,749
13	10	98.848	38.606,352	538.725,223	13,954	13,484	63	60	79.068	830,361	7.475,457	9,003	8,532
14	11	98.827	35.905,209	500.118,872	13,929	13,459	64	61	77.496	757,076	6.645,096	8,777	8,307
15	12	98.800	33.390,901	464.213,663	13,902	13,432	65	62	75.844	689,242	5.888,020	8,543	8,072
16	13	98.768	31.051,339	430.822,762	13,875	13,404	66	63	74.047	625,963	5.198,778	8,305	7,835
17	14	98.720	28.871,105	399.771,423	13,847	13,376	67	64	72.136	567,264	4.572,816	8,061	7,591
18	15	98.659	26.840,102	370.900,318	13,819	13,349	68	65	70.075	512,608	4.005,552	7,814	7,344
19	16	98.567	24.944,141	344.060,216	13,793	13,323	69	66	67.859	461,770	3.492,943	7,564	7,094
20	17	98.466	23.180,253	319.116,075	13,767	13,296	70	67	65.513	414,701	3.031,174	7,309	6,839
21	18	98.370	21.541,892	295.935,821	13,738	13,267	71	68	62.998	370,958	2.616,472	7,053	6,583
22	19	98.264	20.017,499	274.393,929	13,708	13,237	72	69	60.316	330,388	2.245,515	6,797	6,326
23	20	98.163	18.601,732	254.376,431	13,675	13,205	73	70	57.450	292,735	1.915,127	6,542	6,072
24	21	98.059	17.285,649	235.774,699	13,640	13,170	74	71	54.437	258,029	1.622,392	6,288	5,817
25	22	97.964	16.064,075	218.489,050	13,601	13,131	75	72	51.281	226,111	1.364,363	6,034	5,564
26	23	97.866	14.928,352	202.424,975	13,560	13,089	76	73	48.028	196,994	1.138,252	5,778	5,308
27	24	97.771	13.873,287	187.496,623	13,515	13,045	77	74	44.703	170,561	941,259	5,519	5,048
28	25	97.674	12.892,651	173.623,335	13,467	12,997	78	75	41.294	146,563	770,697	5,258	4,788
29	26	97.578	11.981,399	160.730,685	13,415	12,945	79	76	37.782	124,742	624,134	5,003	4,533
30	27	97.482	11.134,530	148.749,286	13,359	12,889	80	77	34.245	105,176	499,392	4,748	4,278
31	28	97.383	10.347,119	137.614,755	13,300	12,830	81	78	30.668	87,620	394,216	4,499	4,029
32	29	97.277	9.614,772	127.267,636	13,237	12,766	82	79	27.107	72,042	306,596	4,256	3,785
33	30	97.169	8.934,031	117.652,864	13,169	12,699	83	80	23.529	58,171	234,553	4,032	3,562
34	31	97.052	8.300,717	108.718,834	13,098	12,627	84	81	20.102	46,232	176,382	3,815	3,345
35	32	96.924	7.711,467	100.418,117	13,022	12,552	85	82	16.889	36,131	130,150	3,602	3,132
36	33	96.789	7.163,403	92.706,650	12,942	12,471	86	83	13.962	27,785	94,019	3,384	2,914
37	34	96.641	6.653,449	85.543,247	12,857	12,387	87	84	11.244	20,816	66,234	3,182	2,712
38	35	96.479	6.178,879	78.889,799	12,768	12,297	88	85	8.788	15,133	45,418	3,001	2,531
39	36	96.296	5.736,935	72.710,920	12,674	12,204	89	86	6.697	10,728	30,285	2,823	2,353
40	37	96.094	5.325,446	66.973,984	12,576	12,106	90	87	4.939	7,360	19,557	2,657	2,187
41	38	95.869	4.942,339	61.648,539	12,474	12,003	91	88	3.511	4,868	12,197	2,506	2,036
42	39	95.620	4.585,581	56.706,200	12,366	11,896	92	89	2.401	3,096	7,330	2,367	1,897
43	40	95.333	4.252,842	52.120,619	12,255	11,785	93	90	1.575	1,889	4,234	2,241	1,771
44	41	95.014	3.942,906	47.867,776	12,140	11,670	94	91	991	1,106	2,345	2,120	1,650
45	42	94.666	3.654,363	43.924,871	12,020	11,550	95	92	591	0,614	1,239	2,018	1,548
46	43	94.268	3.385,136	40.270,508	11,896	11,426	96	93	336	0,325	0,625	1,925	1,455
47	44	93.826	3.134,202	36.885,372	11,769	11,298	97	94	182	0,163	0,300	1,841	1,370
48	45	93.345	2.900,566	33.751,170	11,636	11,166	98	95	93	0,078	0,137	1,763	1,293
49	46	92.816	2.682,924	30.850,604	11,499	11,029	99	96	45	0,035	0,059	1,693	1,223
							100	97	21	0,015	0,024	1,629	1,158

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 4 Jahre

Zinsfuß 7,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	46	92.399	2.484,541	28.315,206	11,397	10,926
1							51	47	91.776	2.295,618	25.830,665	11,252	10,782
2							52	48	91.123	2.120,264	23.535,047	11,100	10,630
3							53	49	90.397	1.956,614	21.414,783	10,945	10,475
4	0	99.465	74.479,724	1.047.569,216	14,065	13,595	54	50	89.613	1.804,313	19.458,169	10,784	10,314
5	1	99.074	69.011,144	973.089,491	14,100	13,630	55	51	88.779	1.662,822	17.653,856	10,617	10,147
6	2	99.025	64.164,634	904.078,347	14,090	13,620	56	52	87.870	1.530,969	15.991,034	10,445	9,975
7	3	98.994	59.669,275	839.913,714	14,076	13,606	57	53	86.918	1.408,732	14.460,065	10,265	9,794
8	4	98.965	55.489,922	780.244,439	14,061	13,591	58	54	85.894	1.295,008	13.051,332	10,078	9,608
9	5	98.940	51.605,729	724.754,517	14,044	13,574	59	55	84.780	1.189,028	11.756,325	9,887	9,417
10	6	98.918	47.994,562	673.148,788	14,026	13,555	60	56	83.571	1.090,302	10.567,297	9,692	9,222
11	7	98.900	44.637,795	625.154,226	14,005	13,535	61	57	82.298	998,789	9.476,995	9,488	9,018
12	8	98.877	41.513,916	580.516,431	13,984	13,513	62	58	80.947	913,850	8.478,206	9,277	8,807
13	9	98.855	38.608,846	539.002,516	13,961	13,490	63	59	79.472	834,604	7.564,356	9,063	8,593
14	10	98.835	35.908,229	500.393,669	13,935	13,465	64	60	77.925	761,266	6.729,752	8,840	8,370
15	11	98.809	33.394,033	464.485,441	13,909	13,439	65	61	76.273	693,142	5.968,486	8,611	8,140
16	12	98.776	31.053,976	431.091,408	13,882	13,412	66	62	74.516	629,927	5.275,343	8,375	7,904
17	13	98.730	28.873,903	400.037,432	13,855	13,384	67	63	72.630	571,149	4.645,417	8,133	7,663
18	14	98.670	26.843,230	371.163,529	13,827	13,357	68	64	70.591	516,384	4.074,268	7,890	7,420
19	15	98.584	24.948,598	344.320,299	13,801	13,331	69	65	68.418	465,572	3.557,884	7,642	7,172
20	16	98.487	23.185,163	319.371,701	13,775	13,305	70	66	66.112	418,491	3.092,311	7,389	6,919
21	17	98.391	21.546,633	296.186,537	13,746	13,276	71	67	63.645	374,767	2.673,820	7,135	6,664
22	18	98.293	20.023,257	274.639,904	13,716	13,246	72	68	61.014	334,210	2.299,053	6,879	6,409
23	19	98.190	18.606,890	254.616,647	13,684	13,214	73	69	58.193	296,518	1.964,842	6,626	6,156
24	20	98.090	17.291,110	236.009,758	13,649	13,179	74	70	55.222	261,750	1.668,325	6,374	5,903
25	21	97.988	16.068,006	218.718,647	13,612	13,142	75	71	52.126	229,837	1.406,575	6,120	5,650
26	22	97.893	14.932,395	202.650,641	13,571	13,101	76	72	48.910	200,611	1.176,738	5,866	5,396
27	23	97.796	13.876,908	187.718,246	13,527	13,057	77	73	45.632	174,108	976,128	5,606	5,136
28	24	97.701	12.896,154	173.841,338	13,480	13,010	78	74	42.256	149,977	802,019	5,348	4,877
29	25	97.602	11.984,348	160.945,184	13,430	12,959	79	75	38.787	128,062	652,042	5,092	4,621
30	26	97.510	11.137,648	148.960,836	13,375	12,904	80	76	35.266	108,311	523,980	4,838	4,367
31	27	97.411	10.350,136	137.823,187	13,316	12,846	81	77	31.700	90,567	415,669	4,590	4,119
32	28	97.306	9.617,626	127.473,051	13,254	12,784	82	78	28.150	74,815	325,102	4,345	3,875
33	29	97.197	8.936,646	117.855,425	13,188	12,718	83	79	24.563	60,726	250,287	4,122	3,651
34	30	97.084	8.303,436	108.918,779	13,117	12,647	84	80	21.132	48,599	189,561	3,901	3,430
35	31	96.959	7.714,223	100.615,343	13,043	12,573	85	81	17.886	38,264	140,962	3,684	3,214
36	32	96.823	7.165,951	92.901,120	12,964	12,494	86	82	14.926	29,705	102,698	3,457	2,987
37	33	96.679	6.656,108	85.735,170	12,881	12,410	87	83	12.112	22,423	72,993	3,255	2,785
38	34	96.524	6.181,777	79.079,062	12,792	12,322	88	84	9.556	16,456	50,570	3,073	2,603
39	35	96.346	5.739,874	72.897,285	12,700	12,230	89	85	7.333	11,748	34,115	2,904	2,434
40	36	96.148	5.328,459	67.157,411	12,604	12,133	90	86	5.493	8,185	22,367	2,733	2,262
41	37	95.928	4.945,371	61.828,952	12,502	12,032	91	87	3.981	5,518	14,182	2,570	2,100
42	38	95.687	4.588,791	56.883,580	12,396	11,926	92	88	2.765	3,565	8,664	2,430	1,960
43	39	95.409	4.256,248	52.294,790	12,287	11,816	93	89	1.849	2,218	5,099	2,299	1,829
44	40	95.097	3.946,339	48.038,541	12,173	11,703	94	90	1.185	1,322	2,881	2,179	1,709
45	41	94.759	3.657,979	44.092,202	12,054	11,583	95	91	728	0,755	1,559	2,064	1,594
46	42	94.374	3.388,947	40.434,223	11,931	11,461	96	92	423	0,408	0,804	1,967	1,497
47	43	93.948	3.138,275	37.045,276	11,804	11,334	97	93	234	0,210	0,395	1,879	1,409
48	44	93.475	2.904,609	33.907,000	11,674	11,203	98	94	123	0,103	0,185	1,799	1,328
49	45	92.963	2.687,185	31.002,391	11,537	11,067	99	95	61	0,048	0,082	1,725	1,255
							100	96	29	0,021	0,035	1,658	1,188

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 5 Jahre

Zinsfuß 7,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	45	92.546	2.488,488	28.451,061	11,433	10,963
1							51	46	91.942	2.299,748	25.962,573	11,289	10,819
2							52	47	91.301	2.124,395	23.662,825	11,139	10,668
3							53	48	90.589	1.960,771	21.538,430	10,985	10,514
4							54	49	89.829	1.808,666	19.577,659	10,824	10,354
5	0	99.452	69.274,173	973.673,664	14,055	13,585	55	50	89.004	1.667,034	17.768,993	10,659	10,189
6	1	99.061	64.187,622	904.399,490	14,090	13,620	56	51	88.115	1.535,233	16.101,959	10,488	10,018
7	2	99.014	59.681,075	840.211,868	14,078	13,608	57	52	87.182	1.413,004	14.566,726	10,309	9,839
8	3	98.982	55.499,448	780.530,794	14,064	13,593	58	53	86.166	1.299,110	13.153,722	10,125	9,655
9	4	98.953	51.612,395	725.031,345	14,048	13,577	59	54	85.076	1.193,178	11.854,613	9,935	9,465
10	5	98.931	48.000,836	673.418,951	14,029	13,559	60	55	83.888	1.094,446	10.661,435	9,741	9,271
11	6	98.909	44.641,909	625.418,114	14,010	13,539	61	56	82.630	1.002,815	9.566,989	9,540	9,070
12	7	98.886	41.517,531	580.776,206	13,989	13,518	62	57	81.310	917,947	8.564,173	9,330	8,859
13	8	98.864	38.612,553	539.258,674	13,966	13,496	63	58	79.856	838,642	7.646,226	9,117	8,647
14	9	98.842	35.910,549	500.646,121	13,941	13,471	64	59	78.323	765,156	6.807,584	8,897	8,427
15	10	98.817	33.396,841	464.735,572	13,916	13,445	65	60	76.695	696,979	6.042,428	8,669	8,199
16	11	98.786	31.056,889	431.338,731	13,889	13,418	66	61	74.938	633,492	5.345,449	8,438	7,968
17	12	98.738	28.876,355	400.281,843	13,862	13,392	67	62	73.090	574,766	4.711,957	8,198	7,728
18	13	98.680	26.845,831	371.405,487	13,835	13,364	68	63	71.074	519,921	4.137,191	7,957	7,487
19	14	98.596	24.951,506	344.559,657	13,809	13,339	69	64	68.922	469,002	3.617,271	7,713	7,242
20	15	98.505	23.189,307	319.608,151	13,783	13,312	70	65	66.656	421,938	3.148,269	7,461	6,991
21	16	98.412	21.551,197	296.418,844	13,754	13,284	71	66	64.226	378,192	2.726,331	7,209	6,739
22	17	98.314	20.027,664	274.867,647	13,724	13,254	72	67	61.641	337,642	2.348,139	6,955	6,484
23	18	98.219	18.612,242	254.839,983	13,692	13,222	73	68	58.866	299,948	2.010,496	6,703	6,233
24	19	98.117	17.295,905	236.227,741	13,658	13,188	74	69	55.936	265,132	1.710,548	6,452	5,981
25	20	98.019	16.073,083	218.931,836	13,621	13,151	75	70	52.878	233,151	1.445,416	6,199	5,729
26	21	97.916	14.936,049	202.858,753	13,582	13,112	76	71	49.716	203,916	1.212,265	5,945	5,475
27	22	97.823	13.880,666	187.922,703	13,538	13,068	77	72	46.470	177,305	1.008,349	5,687	5,217
28	23	97.726	12.899,520	174.042,037	13,492	13,022	78	73	43.134	153,096	831,044	5,428	4,958
29	24	97.629	11.987,605	161.142,518	13,442	12,972	79	74	39.691	131,045	677,947	5,173	4,703
30	25	97.534	11.140,390	149.154,913	13,389	12,918	80	75	36.204	111,194	546,903	4,918	4,448
31	26	97.438	10.353,034	138.014,523	13,331	12,861	81	76	32.645	93,267	435,708	4,672	4,201
32	27	97.334	9.620,430	127.661,489	13,270	12,800	82	77	29.097	77,331	342,442	4,428	3,958
33	28	97.226	8.939,300	118.041,059	13,205	12,734	83	78	25.508	63,063	265,110	4,204	3,734
34	29	97.112	8.305,867	109.101,759	13,136	12,665	84	79	22.060	50,733	202,047	3,983	3,512
35	30	96.991	7.716,749	100.795,892	13,062	12,592	85	80	18.802	40,224	151,314	3,762	3,292
36	31	96.858	7.168,511	93.079,143	12,984	12,514	86	81	15.807	31,458	111,091	3,531	3,061
37	32	96.714	6.658,476	85.910,632	12,902	12,432	87	82	12.949	23,972	79,632	3,322	2,852
38	33	96.563	6.184,248	79.252,156	12,815	12,345	88	83	10.293	17,726	55,661	3,140	2,670
39	34	96.391	5.742,566	73.067,908	12,724	12,254	89	84	7.974	12,774	37,935	2,970	2,499
40	35	96.197	5.331,188	67.325,342	12,629	12,158	90	85	6.015	8,963	25,160	2,807	2,337
41	36	95.982	4.948,169	61.994,154	12,529	12,058	91	86	4.427	6,137	16,197	2,639	2,169
42	37	95.746	4.591,606	57.045,984	12,424	11,954	92	87	3.134	4,041	10,060	2,489	2,019
43	38	95.476	4.259,228	52.454,378	12,315	11,845	93	88	2.129	2,554	6,019	2,357	1,887
44	39	95.173	3.949,500	48.195,150	12,203	11,733	94	89	1.391	1,552	3,465	2,233	1,762
45	40	94.842	3.661,164	44.245,650	12,085	11,615	95	90	870	0,903	1,913	2,119	1,649
46	41	94.468	3.392,301	40.584,486	11,964	11,493	96	91	521	0,503	1,010	2,010	1,540
47	42	94.054	3.141,809	37.192,185	11,838	11,368	97	92	295	0,265	0,508	1,918	1,448
48	43	93.596	2.908,384	34.050,377	11,708	11,237	98	93	159	0,132	0,243	1,834	1,364
49	44	93.093	2.690,931	31.141,992	11,573	11,103	99	94	81	0,063	0,111	1,758	1,288
							100	95	39	0,028	0,048	1,688	1,218

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 6 Jahre

Zinsfuß 7,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	44	92.675	2.491,957	28.575,955	11,467	10,997
1							51	45	92.088	2.303,401	26.083,998	11,324	10,854
2							52	46	91.465	2.128,217	23.780,597	11,174	10,704
3							53	47	90.766	1.964,592	21.652,380	11,021	10,551
4							54	48	90.020	1.812,508	19.687,788	10,862	10,392
5							55	49	89.219	1.671,056	17.875,280	10,697	10,227
6	0	99.438	64.432,267	904.937,760	14,045	13,575	56	50	88.338	1.539,122	16.204,224	10,528	10,058
7	1	99.049	59.702,457	840.505,493	14,078	13,608	57	51	87.425	1.416,939	14.665,102	10,350	9,880
8	2	99.002	55.510,424	780.803,037	14,066	13,596	58	52	86.427	1.303,049	13.248,163	10,167	9,697
9	3	98.970	51.621,255	725.292,613	14,050	13,580	59	53	85.345	1.196,957	11.945,114	9,980	9,509
10	4	98.944	48.007,037	673.671,358	14,033	13,562	60	54	84.181	1.098,266	10.748,157	9,786	9,316
11	5	98.922	44.647,745	625.664,321	14,013	13,543	61	55	82.944	1.006,627	9.649,891	9,586	9,116
12	6	98.895	41.521,357	581.016,576	13,993	13,523	62	56	81.637	921,647	8.643,263	9,378	8,908
13	7	98.873	38.615,916	539.495,218	13,971	13,501	63	57	80.214	842,402	7.721,616	9,166	8,696
14	8	98.851	35.913,997	500.879,302	13,947	13,476	64	58	78.702	768,859	6.879,214	8,947	8,477
15	9	98.824	33.398,999	464.965,306	13,922	13,451	65	59	77.087	700,540	6.110,355	8,722	8,252
16	10	98.794	31.059,501	431.566,307	13,895	13,425	66	60	75.352	636,998	5.409,815	8,493	8,022
17	11	98.748	28.879,064	400.506,806	13,868	13,398	67	61	73.504	578,019	4.772,817	8,257	7,787
18	12	98.688	26.848,111	371.627,743	13,842	13,372	68	62	71.524	523,213	4.194,799	8,017	7,547
19	13	98.605	24.953,924	344.779,632	13,817	13,346	69	63	69.394	472,214	3.671,586	7,775	7,305
20	14	98.516	23.192,009	319.825,708	13,790	13,320	70	64	67.147	425,046	3.199,372	7,527	7,057
21	15	98.430	21.555,048	296.633,699	13,762	13,291	71	65	64.755	381,307	2.774,326	7,276	6,806
22	16	98.335	20.031,906	275.078,651	13,732	13,262	72	66	62.204	340,728	2.393,019	7,023	6,553
23	17	98.240	18.616,338	255.046,745	13,700	13,230	73	67	59.470	303,029	2.052,291	6,773	6,302
24	18	98.146	17.300,881	236.430,407	13,666	13,196	74	68	56.583	268,200	1.749,262	6,522	6,052
25	19	98.046	16.077,540	219.129,526	13,630	13,159	75	69	53.561	236,164	1.481,062	6,271	5,801
26	20	97.947	14.940,769	203.051,986	13,590	13,120	76	70	50.433	206,857	1.244,899	6,018	5,548
27	21	97.846	13.884,063	188.111,217	13,549	13,078	77	71	47.236	180,227	1.038,042	5,760	5,289
28	22	97.753	12.903,013	174.227,155	13,503	13,033	78	72	43.926	155,907	857,815	5,502	5,032
29	23	97.654	11.990,733	161.324,141	13,454	12,984	79	73	40.516	133,770	701,908	5,247	4,777
30	24	97.560	11.143,417	149.333,408	13,401	12,931	80	74	37.048	113,784	568,138	4,993	4,523
31	25	97.462	10.355,582	138.189,991	13,344	12,874	81	75	33.514	95,749	454,354	4,745	4,275
32	26	97.361	9.623,124	127.834,409	13,284	12,814	82	76	29.964	79,636	358,605	4,503	4,033
33	27	97.254	8.941,906	118.211,284	13,220	12,750	83	77	26.366	65,184	278,968	4,280	3,809
34	28	97.141	8.308,333	109.269,379	13,152	12,682	84	78	22.909	52,686	213,785	4,058	3,587
35	29	97.019	7.719,009	100.961,046	13,080	12,609	85	79	19.627	41,990	161,099	3,837	3,366
36	30	96.889	7.170,859	93.242,037	13,003	12,533	86	80	16.617	33,069	119,109	3,602	3,132
37	31	96.748	6.660,855	86.071,178	12,922	12,452	87	81	13.714	25,387	86,040	3,389	2,919
38	32	96.597	6.186,448	79.410,323	12,836	12,366	88	82	11.004	18,951	60,653	3,201	2,730
39	33	96.429	5.744,862	73.223,875	12,746	12,276	89	83	8.590	13,760	41,702	3,031	2,560
40	34	96.242	5.333,689	67.479,013	12,651	12,181	90	84	6.540	9,746	27,942	2,867	2,397
41	35	96.032	4.950,704	62.145,325	12,553	12,083	91	85	4.848	6,720	18,195	2,708	2,237
42	36	95.800	4.594,204	57.194,621	12,449	11,979	92	86	3.485	4,494	11,475	2,553	2,083
43	37	95.535	4.261,841	52.600,416	12,342	11,872	93	87	2.413	2,895	6,981	2,411	1,941
44	38	95.240	3.952,264	48.338,575	12,231	11,760	94	88	1.602	1,787	4,086	2,286	1,816
45	39	94.918	3.664,096	44.386,311	12,114	11,644	95	89	1.021	1,060	2,298	2,168	1,698
46	40	94.550	3.395,254	40.722,214	11,994	11,524	96	90	622	0,601	1,238	2,061	1,591
47	41	94.147	3.144,917	37.326,960	11,869	11,399	97	91	363	0,326	0,637	1,957	1,487
48	42	93.702	2.911,659	34.182,043	11,740	11,269	98	92	199	0,167	0,312	1,871	1,400
49	43	93.214	2.694,429	31.270,384	11,606	11,135	99	93	104	0,081	0,145	1,791	1,321
							100	94	52	0,037	0,064	1,719	1,249

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 7 Jahre

Zinsfuß 7,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	43	92.796	2.495,195	28.690,782	11,498	11,028
1							51	44	92.216	2.306,612	26.195,587	11,357	10,886
2							52	45	91.611	2.131,598	23.888,975	11,207	10,737
3							53	46	90.929	1.968,126	21.757,376	11,055	10,585
4							54	47	90.195	1.816,040	19.789,250	10,897	10,427
5							55	48	89.408	1.674,606	17.973,210	10,733	10,263
6							56	49	88.551	1.542,835	16.298,604	10,564	10,094
7	0	99.427	59.930,007	841.001,445	14,033	13,563	57	50	87.646	1.420,528	14.755,770	10,388	9,917
8	1	99.037	55.530,311	781.071,438	14,066	13,595	58	51	86.668	1.306,678	13.335,241	10,205	9,735
9	2	98.990	51.631,463	725.541,127	14,052	13,582	59	52	85.604	1.200,587	12.028,563	10,019	9,549
10	3	98.961	48.015,279	673.909,663	14,035	13,565	60	53	84.448	1.101,745	10.827,976	9,828	9,358
11	4	98.935	44.653,512	625.894,385	14,017	13,546	61	54	83.234	1.010,141	9.726,231	9,629	9,158
12	5	98.908	41.526,786	581.240,872	13,997	13,526	62	55	81.948	925,150	8.716,090	9,421	8,951
13	6	98.882	38.619,475	539.714,086	13,975	13,505	63	56	80.538	845,798	7.790,940	9,211	8,741
14	7	98.860	35.917,125	501.094,612	13,951	13,481	64	57	79.055	772,306	6.945,142	8,993	8,522
15	8	98.833	33.402,205	465.177,487	13,927	13,456	65	58	77.460	703,930	6.172,837	8,769	8,299
16	9	98.800	31.061,508	431.775,282	13,901	13,430	66	59	75.737	640,253	5.468,907	8,542	8,072
17	10	98.756	28.881,492	400.713,774	13,874	13,404	67	60	73.910	581,218	4.828,654	8,308	7,838
18	11	98.698	26.850,629	371.832,282	13,848	13,378	68	61	71.929	526,174	4.247,436	8,072	7,602
19	12	98.614	24.956,043	344.981,653	13,824	13,353	69	62	69.834	475,204	3.721,262	7,831	7,361
20	13	98.526	23.194,256	320.025,610	13,798	13,327	70	63	67.607	427,957	3.246,058	7,585	7,115
21	14	98.441	21.557,560	296.831,353	13,769	13,299	71	64	65.232	384,116	2.818,101	7,337	6,866
22	15	98.353	20.035,486	275.273,793	13,739	13,269	72	65	62.716	343,534	2.433,985	7,085	6,615
23	16	98.261	18.620,281	255.238,307	13,708	13,237	73	66	60.014	305,798	2.090,451	6,836	6,366
24	17	98.167	17.304,688	236.618,026	13,674	13,203	74	67	57.164	270,954	1.784,653	6,587	6,116
25	18	98.075	16.082,165	219.313,338	13,637	13,167	75	68	54.181	238,896	1.513,699	6,336	5,866
26	19	97.975	14.944,911	203.231,173	13,599	13,128	76	69	51.085	209,530	1.274,803	6,084	5,614
27	20	97.877	13.888,450	188.286,262	13,557	13,087	77	70	47.917	182,825	1.065,273	5,827	5,356
28	21	97.776	12.906,171	174.397,812	13,513	13,042	78	71	44.650	158,476	882,448	5,568	5,098
29	22	97.681	11.993,981	161.491,641	13,464	12,994	79	72	41.260	136,226	723,971	5,314	4,844
30	23	97.586	11.146,325	149.497,660	13,412	12,942	80	73	37.818	116,151	587,745	5,060	4,590
31	24	97.489	10.358,396	138.351,335	13,356	12,886	81	74	34.294	97,979	471,595	4,813	4,343
32	25	97.385	9.625,493	127.992,939	13,297	12,827	82	75	30.762	81,756	373,615	4,570	4,100
33	26	97.282	8.944,410	118.367,446	13,234	12,763	83	76	27.152	67,127	291,859	4,348	3,878
34	27	97.169	8.310,755	109.423,036	13,166	12,696	84	77	23.679	54,457	224,732	4,127	3,656
35	28	97.048	7.721,300	101.112,281	13,095	12,625	85	78	20.383	43,606	170,275	3,905	3,435
36	29	96.918	7.172,959	93.390,981	13,020	12,550	86	79	17.347	34,521	126,669	3,669	3,199
37	30	96.780	6.663,037	86.218,022	12,940	12,469	87	80	14.416	26,687	92,148	3,453	2,983
38	31	96.631	6.188,658	79.554,985	12,855	12,385	88	81	11.654	20,069	65,460	3,262	2,791
39	32	96.464	5.746,905	73.366,327	12,766	12,296	89	82	9.183	14,711	45,391	3,086	2,615
40	33	96.281	5.335,821	67.619,422	12,673	12,202	90	83	7.045	10,499	30,680	2,922	2,452
41	34	96.077	4.953,026	62.283,601	12,575	12,105	91	84	5.272	7,307	20,181	2,762	2,291
42	35	95.849	4.596,557	57.330,575	12,473	12,002	92	85	3.817	4,922	12,874	2,616	2,145
43	36	95.589	4.264,253	52.734,017	12,367	11,896	93	86	2.684	3,220	7,952	2,470	2,000
44	37	95.298	3.954,689	48.469,765	12,256	11,786	94	87	1.816	2,026	4,732	2,336	1,866
45	38	94.984	3.666,661	44.515,075	12,140	11,670	95	88	1.176	1,220	2,706	2,217	1,747
46	39	94.626	3.397,974	40.848,414	12,021	11,551	96	89	731	0,705	1,486	2,106	1,636
47	40	94.229	3.147,656	37.450,440	11,898	11,428	97	90	433	0,389	0,780	2,005	1,535
48	41	93.794	2.914,540	34.302,784	11,770	11,299	98	91	245	0,205	0,391	1,907	1,437
49	42	93.319	2.697,462	31.388,245	11,636	11,166	99	92	131	0,102	0,186	1,825	1,355
							100	93	66	0,048	0,084	1,750	1,279

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 8 Jahre

Zinsfuß 7,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	42	92.900	2.498,005	28.796,160	11,528	11,057
1							51	43	92.336	2.309,610	26.298,156	11,386	10,916
2							52	44	91.738	2.134,569	23.988,545	11,238	10,768
3							53	45	91.073	1.971,253	21.853,976	11,086	10,616
4							54	46	90.357	1.819,307	19.882,723	10,929	10,458
5							55	47	89.583	1.677,869	18.063,416	10,766	10,295
6							56	48	88.739	1.546,112	16.385,547	10,598	10,128
7							57	49	87.858	1.423,956	14.839,435	10,421	9,951
8	0	99.415	55.741,960	781.528,383	14,020	13,550	58	50	86.888	1.309,988	13.415,479	10,241	9,771
9	1	99.025	51.649,961	725.786,423	14,052	13,582	59	51	85.842	1.203,931	12.105,491	10,055	9,585
10	2	98.981	48.024,774	674.136,461	14,037	13,567	60	52	84.704	1.105,086	10.901,561	9,865	9,395
11	3	98.952	44.661,178	626.111,688	14,019	13,549	61	53	83.497	1.013,341	9.796,475	9,668	9,197
12	4	98.920	41.532,150	581.450,509	14,000	13,530	62	54	82.234	928,379	8.783,134	9,461	8,990
13	5	98.895	38.624,524	539.918,359	13,979	13,508	63	55	80.844	849,013	7.854,755	9,252	8,781
14	6	98.869	35.920,435	501.293,836	13,956	13,485	64	56	79.374	775,419	7.005,742	9,035	8,565
15	7	98.842	33.405,115	465.373,401	13,931	13,461	65	57	77.808	707,086	6.230,323	8,811	8,341
16	8	98.810	31.064,490	431.968,286	13,906	13,435	66	58	76.104	643,351	5.523,238	8,585	8,115
17	9	98.762	28.883,359	400.903,797	13,880	13,410	67	59	74.288	584,188	4.879,887	8,353	7,883
18	10	98.706	26.852,887	372.020,438	13,854	13,384	68	60	72.327	529,086	4.295,699	8,119	7,649
19	11	98.623	24.958,384	345.167,551	13,830	13,359	69	61	70.229	477,894	3.766,613	7,882	7,411
20	12	98.534	23.196,226	320.209,167	13,804	13,334	70	62	68.035	430,667	3.288,719	7,636	7,166
21	13	98.451	21.559,649	297.012,941	13,776	13,306	71	63	65.679	386,746	2.858,052	7,390	6,920
22	14	98.364	20.037,821	275.453,292	13,747	13,276	72	64	63.178	346,065	2.471,306	7,141	6,671
23	15	98.279	18.623,609	255.415,471	13,715	13,244	73	65	60.508	308,316	2.125,241	6,893	6,423
24	16	98.188	17.308,353	236.791,862	13,681	13,211	74	66	57.686	273,431	1.816,925	6,645	6,175
25	17	98.096	16.085,704	219.483,509	13,645	13,174	75	67	54.737	241,349	1.543,495	6,395	5,925
26	18	98.003	14.949,211	203.397,805	13,606	13,136	76	68	51.676	211,954	1.302,145	6,144	5,673
27	19	97.905	13.892,301	188.448,594	13,565	13,095	77	69	48.536	185,188	1.090,191	5,887	5,417
28	20	97.807	12.910,249	174.556,293	13,521	13,050	78	70	45.294	160,761	905,003	5,629	5,159
29	21	97.705	11.996,916	161.646,044	13,474	13,004	79	71	41.940	138,471	744,242	5,375	4,904
30	22	97.612	11.149,344	149.649,129	13,422	12,952	80	72	38.512	118,283	605,771	5,121	4,651
31	23	97.514	10.361,100	138.499,785	13,367	12,897	81	73	35.007	100,017	487,488	4,874	4,404
32	24	97.412	9.628,109	128.138,685	13,309	12,839	82	74	31.478	83,660	387,471	4,631	4,161
33	25	97.306	8.946,611	118.510,577	13,246	12,776	83	75	27.875	68,914	303,810	4,409	3,938
34	26	97.196	8.313,082	109.563,965	13,180	12,709	84	76	24.385	56,081	234,897	4,189	3,718
35	27	97.076	7.723,551	101.250,883	13,109	12,639	85	77	21.068	45,072	178,816	3,967	3,497
36	28	96.946	7.175,088	93.527,332	13,035	12,565	86	78	18.014	35,850	133,743	3,731	3,260
37	29	96.808	6.664,988	86.352,243	12,956	12,486	87	79	15.049	27,859	97,893	3,514	3,044
38	30	96.663	6.190,685	79.687,256	12,872	12,402	88	80	12.251	21,097	70,034	3,320	2,849
39	31	96.498	5.748,959	73.496,570	12,784	12,314	89	81	9.725	15,579	48,937	3,141	2,671
40	32	96.315	5.337,719	67.747,612	12,692	12,222	90	82	7.532	11,224	33,358	2,972	2,502
41	33	96.115	4.955,006	62.409,893	12,595	12,125	91	83	5.678	7,872	22,134	2,812	2,342
42	34	95.894	4.598,713	57.454,887	12,494	12,023	92	84	4.150	5,352	14,262	2,665	2,195
43	35	95.638	4.266,437	52.856,173	12,389	11,919	93	85	2.939	3,526	8,910	2,527	2,057
44	36	95.352	3.956,927	48.589,737	12,280	11,809	94	86	2.019	2,253	5,385	2,390	1,919
45	37	95.043	3.668,911	44.632,810	12,165	11,695	95	87	1.333	1,384	3,131	2,263	1,793
46	38	94.692	3.400,352	40.963,899	12,047	11,577	96	88	841	0,812	1,748	2,152	1,681
47	39	94.305	3.150,177	37.563,546	11,924	11,454	97	89	509	0,457	0,935	2,047	1,576
48	40	93.876	2.917,078	34.413,370	11,797	11,327	98	90	293	0,245	0,478	1,951	1,481
49	41	93.411	2.700,131	31.496,292	11,665	11,194	99	91	161	0,125	0,233	1,858	1,388
							100	92	84	0,060	0,108	1,781	1,310

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 9 Jahre

Zinsfuß 7,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	41	92.992	2.500,477	28.892,739	11,555	11,085
1							51	42	92.440	2.312,211	26.392,263	11,414	10,944
2							52	43	91.857	2.137,344	24.080,052	11,266	10,796
3							53	44	91.200	1.974,000	21.942,708	11,116	10,646
4							54	45	90.501	1.822,197	19.968,708	10,959	10,488
5							55	46	89.744	1.680,888	18.146,511	10,796	10,326
6							56	47	88.912	1.549,125	16.465,623	10,629	10,159
7							57	48	88.044	1.426,981	14.916,498	10,453	9,983
8							58	49	87.097	1.313,148	13.489,518	10,273	9,802
9	0	99.403	51.846,821	726.207,425	14,007	13,537	59	50	86.060	1.206,980	12.176,369	10,088	9,618
10	1	99.016	48.041,979	674.360,605	14,037	13,567	60	51	84.940	1.108,164	10.969,389	9,899	9,428
11	2	98.971	44.670,010	626.318,625	14,021	13,551	61	52	83.750	1.016,413	9.861,226	9,702	9,232
12	3	98.937	41.539,280	581.648,615	14,002	13,532	62	53	82.494	931,320	8.844,812	9,497	9,027
13	4	98.908	38.629,513	540.109,335	13,982	13,511	63	54	81.126	851,976	7.913,492	9,288	8,818
14	5	98.882	35.925,131	501.479,822	13,959	13,489	64	55	79.676	778,366	7.061,516	9,072	8,602
15	6	98.851	33.408,193	465.554,691	13,935	13,465	65	56	78.121	709,936	6.283,150	8,850	8,380
16	7	98.818	31.067,195	432.146,498	13,910	13,440	66	57	76.445	646,235	5.573,213	8,624	8,154
17	8	98.772	28.886,132	401.079,303	13,885	13,415	67	58	74.648	587,014	4.926,979	8,393	7,923
18	9	98.712	26.854,622	372.193,171	13,860	13,389	68	59	72.697	531,790	4.339,964	8,161	7,691
19	10	98.631	24.960,483	345.338,549	13,835	13,365	69	60	70.617	480,539	3.808,174	7,925	7,455
20	11	98.543	23.198,402	320.378,066	13,810	13,340	70	61	68.420	433,104	3.327,636	7,683	7,213
21	12	98.459	21.561,480	297.179,664	13,783	13,313	71	62	66.095	389,195	2.894,531	7,437	6,967
22	13	98.374	20.039,762	275.618,184	13,754	13,283	72	63	63.611	348,435	2.505,336	7,190	6,720
23	14	98.290	18.625,779	255.578,422	13,722	13,251	73	64	60.954	310,587	2.156,901	6,945	6,474
24	15	98.206	17.311,446	236.952,643	13,688	13,217	74	65	58.161	275,682	1.846,314	6,697	6,227
25	16	98.117	16.089,111	219.641,196	13,652	13,181	75	66	55.237	243,555	1.570,632	6,449	5,978
26	17	98.024	14.952,501	203.552,085	13,613	13,143	76	67	52.206	214,131	1.327,076	6,198	5,727
27	18	97.933	13.896,297	188.599,584	13,572	13,102	77	68	49.098	187,331	1.112,946	5,941	5,471
28	19	97.834	12.913,829	174.703,287	13,528	13,058	78	69	45.879	162,839	925,615	5,684	5,214
29	20	97.735	12.000,706	161.789,458	13,482	13,011	79	70	42.545	140,467	762,776	5,430	4,960
30	21	97.636	11.152,072	149.788,752	13,431	12,961	80	71	39.147	120,232	622,309	5,176	4,706
31	22	97.541	10.363,906	138.636,680	13,377	12,907	81	72	35.650	101,853	502,077	4,929	4,459
32	23	97.437	9.630,621	128.272,774	13,319	12,849	82	73	32.133	85,400	400,223	4,686	4,216
33	24	97.332	8.949,042	118.642,153	13,258	12,787	83	74	28.524	70,519	314,823	4,464	3,994
34	25	97.220	8.315,129	109.693,110	13,192	12,722	84	75	25.034	57,574	244,304	4,243	3,773
35	26	97.104	7.725,714	101.377,982	13,122	12,652	85	76	21.696	46,416	186,730	4,023	3,553
36	27	96.975	7.177,180	93.652,268	13,049	12,578	86	77	18.620	37,055	140,314	3,787	3,316
37	28	96.837	6.666,966	86.475,087	12,971	12,500	87	78	15.628	28,931	103,259	3,569	3,099
38	29	96.691	6.192,498	79.808,121	12,888	12,418	88	79	12.789	22,024	74,328	3,375	2,905
39	30	96.530	5.750,842	73.615,623	12,801	12,331	89	80	10.223	16,377	52,304	3,194	2,723
40	31	96.349	5.339,626	67.864,781	12,710	12,239	90	81	7.977	11,887	35,927	3,022	2,552
41	32	96.149	4.956,769	62.525,155	12,614	12,144	91	82	6.071	8,415	24,040	2,857	2,386
42	33	95.932	4.600,552	57.568,387	12,513	12,043	92	83	4.471	5,765	15,625	2,710	2,240
43	34	95.683	4.268,438	52.967,835	12,409	11,939	93	84	3.196	3,834	9,860	2,572	2,102
44	35	95.401	3.958,954	48.699,397	12,301	11,831	94	85	2.211	2,467	6,026	2,442	1,972
45	36	95.096	3.670,987	44.740,444	12,188	11,717	95	86	1.482	1,539	3,559	2,313	1,842
46	37	94.750	3.402,439	41.069,457	12,071	11,600	96	87	954	0,921	2,020	2,193	1,723
47	38	94.371	3.152,382	37.667,018	11,949	11,478	97	88	586	0,526	1,099	2,088	1,618
48	39	93.951	2.919,414	34.514,636	11,822	11,352	98	89	345	0,288	0,573	1,989	1,519
49	40	93.493	2.702,483	31.595,222	11,691	11,221	99	90	193	0,150	0,285	1,899	1,429
							100	91	103	0,074	0,135	1,812	1,342

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 10 Jahre

Zinsfuß 7,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	40	93.073	2.502,654	28.981,149	11,580	11,110
1							51	41	92.531	2.314,499	26.478,495	11,440	10,970
2							52	42	91.961	2.139,750	24.163,997	11,293	10,823
3							53	43	91.319	1.976,566	22.024,246	11,143	10,672
4							54	44	90.627	1.824,737	20.047,680	10,987	10,516
5							55	45	89.886	1.683,558	18.222,943	10,824	10,354
6							56	46	89.072	1.551,912	16.539,385	10,657	10,187
7							57	47	88.216	1.429,761	14.987,473	10,483	10,012
8							58	48	87.282	1.315,938	13.557,712	10,303	9,832
9							59	49	86.267	1.209,892	12.241,774	10,118	9,648
10	0	99.393	48.225,087	674.748,499	13,992	13,521	60	50	85.155	1.110,971	11.031,882	9,930	9,460
11	1	99.007	44.686,014	626.523,411	14,021	13,550	61	51	83.984	1.019,244	9.920,912	9,734	9,263
12	2	98.957	41.547,495	581.837,397	14,004	13,534	62	52	82.744	934,144	8.901,667	9,529	9,059
13	3	98.924	38.636,145	540.289,903	13,984	13,514	63	53	81.383	854,675	7.967,523	9,322	8,852
14	4	98.895	35.929,771	501.653,758	13,962	13,492	64	54	79.954	781,083	7.112,848	9,106	8,636
15	5	98.864	33.412,561	465.723,987	13,939	13,468	65	55	78.418	712,635	6.331,765	8,885	8,415
16	6	98.827	31.070,058	432.311,426	13,914	13,444	66	56	76.753	648,840	5.619,131	8,660	8,190
17	7	98.780	28.888,647	401.241,368	13,889	13,419	67	57	74.982	589,646	4.970,291	8,429	7,959
18	8	98.722	26.857,200	372.352,721	13,864	13,394	68	58	73.049	534,363	4.380,645	8,198	7,728
19	9	98.637	24.962,096	345.495,520	13,841	13,371	69	59	70.978	482,994	3.846,281	7,963	7,493
20	10	98.552	23.200,353	320.533,424	13,816	13,346	70	60	68.799	435,501	3.363,287	7,723	7,253
21	11	98.468	21.563,502	297.333,071	13,789	13,318	71	61	66.469	391,398	2.927,786	7,480	7,010
22	12	98.382	20.041,464	275.769,569	13,760	13,290	72	62	64.014	350,641	2.536,388	7,234	6,763
23	13	98.299	18.627,584	255.728,105	13,728	13,258	73	63	61.371	312,714	2.185,747	6,990	6,519
24	14	98.217	17.313,464	237.100,521	13,695	13,224	74	64	58.590	277,713	1.873,032	6,744	6,274
25	15	98.134	16.091,987	219.787,057	13,658	13,188	75	65	55.692	245,561	1.595,319	6,497	6,026
26	16	98.045	14.955,668	203.695,070	13,620	13,150	76	66	52.683	216,088	1.349,759	6,246	5,776
27	17	97.954	13.899,355	188.739,402	13,579	13,109	77	67	49.602	189,255	1.133,671	5,990	5,520
28	18	97.863	12.917,544	174.840,047	13,535	13,065	78	68	46.410	164,723	944,416	5,733	5,263
29	19	97.763	12.004,034	161.922,503	13,489	13,019	79	69	43.094	142,283	779,694	5,480	5,010
30	20	97.667	11.155,596	149.918,469	13,439	12,969	80	70	39.711	121,966	637,411	5,226	4,756
31	21	97.565	10.366,442	138.762,873	13,386	12,915	81	71	36.238	103,532	515,445	4,979	4,508
32	22	97.464	9.633,229	128.396,431	13,328	12,858	82	72	32.723	86,968	411,913	4,736	4,266
33	23	97.357	8.951,378	118.763,202	13,268	12,797	83	73	29.117	71,985	324,945	4,514	4,044
34	24	97.247	8.317,388	109.811,824	13,203	12,732	84	74	25.617	58,915	252,960	4,294	3,823
35	25	97.127	7.727,616	101.494,436	13,134	12,664	85	75	22.274	47,651	194,045	4,072	3,602
36	26	97.002	7.179,190	93.766,820	13,061	12,591	86	76	19.175	38,160	146,393	3,836	3,366
37	27	96.865	6.668,910	86.587,630	12,984	12,513	87	77	16.154	29,904	108,233	3,619	3,149
38	28	96.720	6.194,337	79.918,720	12,902	12,432	88	78	13.281	22,871	78,329	3,425	2,955
39	29	96.558	5.752,526	73.724,384	12,816	12,346	89	79	10.672	17,096	55,458	3,244	2,774
40	30	96.381	5.341,375	67.971,858	12,726	12,255	90	80	8.385	12,495	38,361	3,070	2,600
41	31	96.184	4.958,540	62.630,483	12,631	12,161	91	81	6.429	8,912	25,866	2,902	2,432
42	32	95.967	4.602,188	57.671,944	12,531	12,061	92	82	4.780	6,163	16,954	2,751	2,281
43	33	95.721	4.270,144	53.069,755	12,428	11,958	93	83	3.443	4,130	10,791	2,613	2,143
44	34	95.446	3.960,810	48.799,611	12,321	11,850	94	84	2.405	2,683	6,661	2,483	2,012
45	35	95.145	3.672,867	44.838,801	12,208	11,738	95	85	1.623	1,685	3,978	2,361	1,890
46	36	94.804	3.404,364	41.165,934	12,092	11,622	96	86	1.061	1,024	2,293	2,239	1,769
47	37	94.428	3.154,316	37.761,570	11,971	11,501	97	87	664	0,597	1,269	2,127	1,656
48	38	94.017	2.921,458	34.607,253	11,846	11,376	98	88	397	0,331	0,672	2,028	1,557
49	39	93.568	2.704,647	31.685,796	11,715	11,245	99	89	227	0,176	0,341	1,935	1,464
							100	90	123	0,089	0,165	1,850	1,379

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 11 Jahre

Zinsfuß 7,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	39	93.148	2.504,658	29.062,078	11,603	11,133
1							51	40	92.612	2.316,514	26.557,419	11,464	10,994
2							52	41	92.052	2.141,867	24.240,906	11,318	10,847
3							53	42	91.422	1.978,792	22.099,038	11,168	10,698
4							54	43	90.745	1.827,109	20.120,247	11,012	10,542
5							55	44	90.012	1.685,904	18.293,138	10,851	10,380
6							56	45	89.213	1.554,377	16.607,233	10,684	10,214
7							57	46	88.374	1.432,333	15.052,856	10,509	10,039
8							58	47	87.452	1.318,502	13.620,522	10,330	9,860
9							59	48	86.451	1.212,462	12.302,020	10,146	9,676
10							60	49	85.360	1.113,651	11.089,558	9,958	9,488
11	0	99.384	44.856,331	626.880,808	13,975	13,505	61	50	84.196	1.021,826	9.975,907	9,763	9,293
12	1	98.992	41.562,380	582.024,477	14,004	13,533	62	51	82.975	936,746	8.954,081	9,559	9,088
13	2	98.944	38.643,785	540.462,097	13,986	13,515	63	52	81.630	857,267	8.017,335	9,352	8,882
14	3	98.912	35.935,940	501.818,312	13,964	13,494	64	53	80.207	783,557	7.160,069	9,138	8,668
15	4	98.876	33.416,877	465.882,373	13,942	13,471	65	54	78.692	715,122	6.376,512	8,917	8,446
16	5	98.840	31.074,120	432.465,496	13,917	13,447	66	55	77.045	651,306	5.661,390	8,692	8,222
17	6	98.790	28.891,310	401.391,376	13,893	13,423	67	56	75.285	592,023	5.010,083	8,463	7,992
18	7	98.730	26.859,540	372.500,066	13,868	13,398	68	57	73.376	536,759	4.418,060	8,231	7,761
19	8	98.647	24.964,492	345.640,526	13,845	13,375	69	58	71.322	485,331	3.881,302	7,997	7,527
20	9	98.558	23.201,852	320.676,034	13,821	13,351	70	59	69.151	437,727	3.395,970	7,758	7,288
21	10	98.477	21.565,316	297.474,182	13,794	13,324	71	60	66.837	393,564	2.958,244	7,517	7,046
22	11	98.391	20.043,344	275.908,866	13,766	13,295	72	61	64.376	352,626	2.564,680	7,273	6,803
23	12	98.308	18.629,166	255.865,522	13,735	13,264	73	62	61.760	314,695	2.212,054	7,029	6,559
24	13	98.227	17.315,142	237.236,356	13,701	13,231	74	63	58.991	279,615	1.897,359	6,786	6,315
25	14	98.146	16.093,862	219.921,214	13,665	13,195	75	64	56.102	247,370	1.617,744	6,540	6,070
26	15	98.063	14.958,340	203.827,352	13,626	13,156	76	65	53.117	217,867	1.370,374	6,290	5,820
27	16	97.975	13.902,300	188.869,012	13,585	13,115	77	66	50.055	190,984	1.152,507	6,035	5,564
28	17	97.884	12.920,386	174.966,712	13,542	13,072	78	67	46.887	166,414	961,523	5,778	5,308
29	18	97.791	12.007,487	162.046,326	13,495	13,025	79	68	43.593	143,929	795,109	5,524	5,054
30	19	97.694	11.158,689	150.038,839	13,446	12,976	80	69	40.225	123,542	651,180	5,271	4,801
31	20	97.595	10.369,717	138.880,150	13,393	12,923	81	70	36.760	105,025	527,638	5,024	4,554
32	21	97.488	9.635,587	128.510,432	13,337	12,867	82	71	33.262	88,401	422,613	4,781	4,310
33	22	97.384	8.953,802	118.874,845	13,276	12,806	83	72	29.652	73,307	334,212	4,559	4,089
34	23	97.272	8.319,559	109.921,043	13,212	12,742	84	73	26.150	60,140	260,905	4,338	3,868
35	24	97.154	7.729,716	101.601,485	13,144	12,674	85	74	22.793	48,761	200,765	4,117	3,647
36	25	97.026	7.180,957	93.871,769	13,072	12,602	86	75	19.686	39,176	152,004	3,880	3,410
37	26	96.892	6.670,778	86.690,812	12,996	12,525	87	76	16.635	30,796	112,828	3,664	3,193
38	27	96.748	6.196,142	80.020,034	12,914	12,444	88	77	13.728	23,640	82,032	3,470	3,000
39	28	96.587	5.754,233	73.823,892	12,829	12,359	89	78	11.083	17,754	58,392	3,289	2,819
40	29	96.409	5.342,939	68.069,659	12,740	12,270	90	79	8.753	13,044	40,637	3,115	2,645
41	30	96.215	4.960,164	62.726,720	12,646	12,176	91	80	6.758	9,369	27,593	2,945	2,475
42	31	96.001	4.603,833	57.766,556	12,547	12,077	92	81	5.062	6,527	18,225	2,792	2,322
43	32	95.755	4.271,663	53.162,723	12,445	11,975	93	82	3.681	4,415	11,698	2,649	2,179
44	33	95.484	3.962,394	48.891,060	12,339	11,868	94	83	2.590	2,890	7,283	2,520	2,049
45	34	95.190	3.674,590	44.928,667	12,227	11,757	95	84	1.765	1,832	4,392	2,397	1,927
46	35	94.852	3.406,108	41.254,077	12,112	11,642	96	85	1.161	1,121	2,560	2,283	1,813
47	36	94.482	3.156,101	37.847,969	11,992	11,522	97	86	739	0,663	1,439	2,168	1,698
48	37	94.075	2.923,250	34.691,868	11,868	11,397	98	87	450	0,376	0,775	2,063	1,592
49	38	93.633	2.706,540	31.768,618	11,738	11,267	99	88	261	0,203	0,399	1,970	1,499
							100	89	144	0,104	0,197	1,882	1,412

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 12 Jahre

Zinsfuß 7,50%

Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	38	93.213	2.506,411	29.136,068	11,625	11,154
1							51	39	92.686	2.318,369	26.629,657	11,486	11,016
2							52	40	92.132	2.143,733	24.311,287	11,341	10,870
3							53	41	91.512	1.980,750	22.167,555	11,191	10,721
4							54	42	90.847	1.829,166	20.186,805	11,036	10,566
5							55	43	90.129	1.688,096	18.357,639	10,875	10,404
6							56	44	89.338	1.556,544	16.669,543	10,709	10,239
7							57	45	88.515	1.434,609	15.112,999	10,535	10,064
8							58	46	87.610	1.320,874	13.678,391	10,356	9,885
9							59	47	86.619	1.214,825	12.357,516	10,172	9,702
10							60	48	85.542	1.116,017	11.142,692	9,984	9,514
11							61	49	84.399	1.024,291	10.026,675	9,789	9,319
12	0	99.370	41.720,791	582.353,776	13,958	13,488	62	50	83.185	939,119	9.002,384	9,586	9,116
13	1	98.980	38.657,630	540.632,985	13,985	13,515	63	51	81.857	859,654	8.063,265	9,380	8,909
14	2	98.931	35.943,046	501.975,355	13,966	13,496	64	52	80.450	785,933	7.203,611	9,166	8,695
15	3	98.893	33.422,614	466.032,309	13,944	13,473	65	53	78.941	717,387	6.417,678	8,946	8,476
16	4	98.853	31.078,134	432.609,695	13,920	13,450	66	54	77.314	653,580	5.700,291	8,722	8,251
17	5	98.802	28.895,087	401.531,561	13,896	13,426	67	55	75.571	594,273	5.046,711	8,492	8,022
18	6	98.740	26.862,015	372.636,474	13,872	13,402	68	56	73.672	538,923	4.452,438	8,262	7,791
19	7	98.656	24.966,666	345.774,459	13,849	13,379	69	57	71.642	487,507	3.913,515	8,028	7,557
20	8	98.567	23.204,080	320.807,793	13,825	13,355	70	58	69.485	439,845	3.426,008	7,789	7,319
21	9	98.483	21.566,709	297.603,713	13,799	13,329	71	59	67.178	395,575	2.986,164	7,549	7,079
22	10	98.400	20.045,030	276.037,004	13,771	13,301	72	60	64.732	354,577	2.590,588	7,306	6,836
23	11	98.317	18.630,913	255.991,974	13,740	13,270	73	61	62.110	316,476	2.236,011	7,065	6,595
24	12	98.235	17.316,612	237.361,061	13,707	13,237	74	62	59.365	281,386	1.919,535	6,822	6,351
25	13	98.155	16.095,421	220.044,448	13,671	13,201	75	63	56.487	249,064	1.638,150	6,577	6,107
26	14	98.074	14.960,084	203.949,027	13,633	13,163	76	64	53.508	219,472	1.389,086	6,329	5,859
27	15	97.992	13.904,784	188.988,943	13,592	13,121	77	65	50.467	192,557	1.169,614	6,074	5,604
28	16	97.905	12.923,123	175.084,160	13,548	13,078	78	66	47.315	167,935	977,057	5,818	5,348
29	17	97.812	12.010,130	162.161,036	13,502	13,032	79	67	44.041	145,407	809,122	5,565	5,094
30	18	97.722	11.161,899	150.150,907	13,452	12,982	80	68	40.690	124,971	663,715	5,311	4,841
31	19	97.622	10.372,593	138.989,007	13,400	12,929	81	69	37.235	106,382	538,743	5,064	4,594
32	20	97.518	9.638,631	128.616,415	13,344	12,874	82	70	33.742	89,676	432,361	4,821	4,351
33	21	97.408	8.955,993	118.977,783	13,285	12,814	83	71	30.140	74,515	342,685	4,599	4,129
34	22	97.298	8.321,812	110.021,790	13,221	12,751	84	72	26.630	61,244	268,170	4,379	3,908
35	23	97.179	7.731,733	101.699,978	13,154	12,683	85	73	23.267	49,775	206,926	4,157	3,687
36	24	97.052	7.182,908	93.968,245	13,082	12,612	86	74	20.144	40,088	157,151	3,920	3,450
37	25	96.916	6.672,419	86.785,337	13,007	12,536	87	75	17.078	31,615	117,063	3,703	3,232
38	26	96.775	6.197,877	80.112,918	12,926	12,456	88	76	14.137	24,345	85,447	3,510	3,040
39	27	96.615	5.755,911	73.915,040	12,842	12,371	89	77	11.456	18,351	61,102	3,330	2,859
40	28	96.438	5.344,525	68.159,129	12,753	12,283	90	78	9.090	13,546	42,751	3,156	2,686
41	29	96.243	4.961,616	62.814,604	12,660	12,190	91	79	7.055	9,780	29,204	2,986	2,516
42	30	96.032	4.605,341	57.852,988	12,562	12,092	92	80	5.321	6,861	19,425	2,831	2,361
43	31	95.789	4.273,189	53.247,647	12,461	11,991	93	81	3.898	4,676	12,563	2,687	2,217
44	32	95.518	3.963,803	48.974,458	12,355	11,885	94	82	2.769	3,090	7,888	2,553	2,082
45	33	95.228	3.676,059	45.010,655	12,244	11,774	95	83	1.901	1,974	4,798	2,431	1,961
46	34	94.897	3.407,705	41.334,596	12,130	11,659	96	84	1.263	1,219	2,824	2,316	1,846
47	35	94.530	3.157,718	37.926,891	12,011	11,541	97	85	809	0,727	1,605	2,208	1,738
48	36	94.128	2.924,904	34.769,173	11,887	11,417	98	86	500	0,418	0,878	2,101	1,631
49	37	93.691	2.708,201	31.844,269	11,758	11,288	99	87	296	0,230	0,460	2,002	1,532
							100	88	166	0,120	0,230	1,914	1,444

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 13 Jahre

Zinsfuß 7,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	37	93.270	2.507,949	29.203,642	11,644	11,174
1							51	38	92.751	2.319,992	26.695,692	11,507	11,037
2							52	39	92.206	2.145,449	24.375,700	11,362	10,891
3							53	40	91.592	1.982,474	22.230,251	11,213	10,743
4							54	41	90.937	1.830,976	20.247,776	11,058	10,588
5							55	42	90.230	1.689,996	18.416,800	10,898	10,427
6							56	43	89.454	1.558,567	16.726,804	10,732	10,262
7							57	44	88.638	1.436,609	15.168,237	10,558	10,088
8							58	45	87.749	1.322,972	13.731,628	10,379	9,909
9							59	46	86.775	1.217,010	12.408,656	10,196	9,726
10							60	47	85.709	1.118,191	11.191,645	10,009	9,538
11							61	48	84.579	1.026,467	10.073,454	9,814	9,343
12							62	49	83.386	941,384	9.046,987	9,610	9,140
13	0	99.357	38.804,970	540.936,409	13,940	13,470	63	50	82.065	861,832	8.105,603	9,405	8,935
14	1	98.967	35.955,923	502.131,439	13,965	13,495	64	51	80.674	788,122	7.243,771	9,191	8,721
15	2	98.913	33.429,223	466.175,515	13,945	13,475	65	52	79.181	719,563	6.455,649	8,972	8,501
16	3	98.870	31.083,470	432.746,292	13,922	13,452	66	53	77.559	655,650	5.736,087	8,749	8,278
17	4	98.815	28.898,819	401.662,823	13,899	13,429	67	54	75.834	596,348	5.080,437	8,519	8,049
18	5	98.752	26.865,527	372.764,004	13,875	13,405	68	55	73.952	540,971	4.484,089	8,289	7,819
19	6	98.665	24.968,967	345.898,477	13,853	13,383	69	56	71.930	489,472	3.943,118	8,056	7,586
20	7	98.576	23.206,101	320.929,510	13,830	13,359	70	57	69.797	441,817	3.453,646	7,817	7,347
21	8	98.493	21.568,780	297.723,409	13,803	13,333	71	58	67.504	397,489	3.011,829	7,577	7,107
22	9	98.406	20.046,325	276.154,629	13,776	13,306	72	59	65.063	356,389	2.614,340	7,336	6,865
23	10	98.325	18.632,480	256.108,304	13,745	13,275	73	60	62.453	318,227	2.257,951	7,095	6,625
24	11	98.244	17.318,236	237.475,824	13,712	13,242	74	61	59.701	282,978	1.939,724	6,855	6,384
25	12	98.164	16.096,789	220.157,588	13,677	13,207	75	62	56.844	250,641	1.656,746	6,610	6,140
26	13	98.084	14.961,533	204.060,799	13,639	13,169	76	63	53.875	220,975	1.406,104	6,363	5,893
27	14	98.004	13.906,404	189.099,266	13,598	13,128	77	64	50.839	193,975	1.185,129	6,110	5,639
28	15	97.922	12.925,433	175.192,861	13,554	13,084	78	65	47.705	169,318	991,154	5,854	5,384
29	16	97.833	12.012,674	162.267,429	13,508	13,038	79	66	44.443	146,736	821,836	5,601	5,130
30	17	97.743	11.164,356	150.254,755	13,458	12,988	80	67	41.108	126,255	675,100	5,347	4,877
31	18	97.651	10.375,577	139.090,400	13,406	12,935	81	68	37.666	107,613	548,845	5,100	4,630
32	19	97.545	9.641,304	128.714,823	13,350	12,880	82	69	34.178	90,835	441,232	4,858	4,387
33	20	97.438	8.958,823	119.073,519	13,291	12,821	83	70	30.575	75,589	350,397	4,636	4,165
34	21	97.322	8.323,848	110.114,696	13,229	12,759	84	71	27.069	62,253	274,808	4,414	3,944
35	22	97.205	7.733,827	101.790,848	13,162	12,691	85	72	23.694	50,689	212,555	4,193	3,723
36	23	97.077	7.184,783	94.057,021	13,091	12,621	86	73	20.563	40,922	161,865	3,955	3,485
37	24	96.943	6.674,233	86.872,238	13,016	12,546	87	74	17.476	32,352	120,943	3,738	3,268
38	25	96.799	6.199,403	80.198,005	12,936	12,466	88	75	14.513	24,993	88,592	3,545	3,074
39	26	96.642	5.757,523	73.998,602	12,853	12,382	89	76	11.797	18,899	63,599	3,365	2,895
40	27	96.466	5.346,083	68.241,079	12,765	12,294	90	77	9.396	14,002	44,700	3,192	2,722
41	28	96.272	4.963,089	62.894,996	12,673	12,202	91	78	7.327	10,156	30,698	3,023	2,552
42	29	96.060	4.606,689	57.931,907	12,576	12,105	92	79	5.555	7,163	20,542	2,868	2,398
43	30	95.820	4.274,589	53.325,218	12,475	12,005	93	80	4.098	4,915	13,379	2,722	2,252
44	31	95.552	3.965,220	49.050,629	12,370	11,900	94	81	2.933	3,272	8,464	2,587	2,116
45	32	95.262	3.677,366	45.085,409	12,260	11,790	95	82	2.033	2,110	5,192	2,461	1,990
46	33	94.935	3.409,067	41.408,043	12,146	11,676	96	83	1.360	1,314	3,082	2,346	1,876
47	34	94.575	3.159,199	37.998,976	12,028	11,558	97	84	880	0,790	1,768	2,238	1,768
48	35	94.176	2.926,402	34.839,777	11,905	11,435	98	85	548	0,458	0,978	2,138	1,667
49	36	93.744	2.709,733	31.913,375	11,777	11,307	99	86	329	0,256	0,521	2,037	1,567
							100	87	189	0,136	0,265	1,944	1,473

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 14 Jahre

Zinsfuß 7,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	36	93.323	2.509,368	29.265,361	11,662	11,192
1							51	37	92.808	2.321,416	26.755,992	11,526	11,055
2							52	38	92.270	2.146,951	24.434,577	11,381	10,911
3							53	39	91.665	1.984,062	22.287,625	11,233	10,763
4							54	40	91.016	1.832,570	20.303,563	11,079	10,609
5							55	41	90.319	1.691,669	18.470,993	10,919	10,449
6							56	42	89.555	1.560,322	16.779,324	10,754	10,283
7							57	43	88.753	1.438,476	15.219,002	10,580	10,110
8							58	44	87.871	1.324,817	13.780,527	10,402	9,932
9							59	45	86.913	1.218,944	12.455,710	10,218	9,748
10							60	46	85.863	1.120,203	11.236,766	10,031	9,561
11							61	47	84.744	1.028,467	10.116,563	9,837	9,366
12							62	48	83.563	943,384	9.088,096	9,634	9,163
13							63	49	82.263	863,911	8.144,712	9,428	8,957
14	0	99.344	36.092,966	502.411,033	13,920	13,450	64	50	80.879	790,118	7.280,801	9,215	8,745
15	1	98.948	33.441,200	466.318,067	13,944	13,474	65	51	79.401	721,567	6.490,683	8,995	8,525
16	2	98.890	31.089,616	432.876,867	13,924	13,453	66	52	77.794	657,638	5.769,116	8,772	8,302
17	3	98.832	28.903,781	401.787,251	13,901	13,431	67	53	76.075	598,237	5.111,478	8,544	8,074
18	4	98.765	26.868,997	372.883,470	13,878	13,408	68	54	74.210	542,859	4.513,242	8,314	7,844
19	5	98.678	24.972,232	346.014,473	13,856	13,386	69	55	72.204	491,333	3.970,382	8,081	7,611
20	6	98.585	23.208,239	321.042,242	13,833	13,363	70	56	70.078	443,597	3.479,050	7,843	7,373
21	7	98.501	21.570,658	297.834,002	13,807	13,337	71	57	67.806	399,271	3.035,452	7,602	7,132
22	8	98.415	20.048,249	276.263,344	13,780	13,310	72	58	65.378	358,114	2.636,181	7,361	6,891
23	9	98.332	18.633,684	256.215,095	13,750	13,280	73	59	62.772	319,853	2.278,067	7,122	6,652
24	10	98.252	17.319,693	237.581,410	13,717	13,247	74	60	60.031	284,544	1.958,214	6,882	6,412
25	11	98.173	16.098,298	220.261,717	13,682	13,212	75	61	57.166	252,060	1.673,670	6,640	6,170
26	12	98.092	14.962,804	204.163,419	13,645	13,174	76	62	54.216	222,375	1.421,610	6,393	5,923
27	13	98.013	13.907,752	189.200,615	13,604	13,134	77	63	51.187	195,304	1.199,236	6,140	5,670
28	14	97.934	12.926,939	175.292,863	13,560	13,090	78	64	48.056	170,565	1.003,932	5,886	5,416
29	15	97.850	12.014,820	162.365,925	13,514	13,044	79	65	44.809	147,944	833,366	5,633	5,163
30	16	97.764	11.166,721	150.351,104	13,464	12,994	80	66	41.484	127,409	685,422	5,380	4,909
31	17	97.672	10.377,860	139.184,384	13,412	12,941	81	67	38.053	108,718	558,013	5,133	4,662
32	18	97.573	9.644,077	128.806,524	13,356	12,886	82	68	34.573	91,886	449,296	4,890	4,419
33	19	97.465	8.961,307	119.162,446	13,297	12,827	83	69	30.970	76,566	357,410	4,668	4,198
34	20	97.353	8.326,478	110.201,139	13,235	12,765	84	70	27.459	63,151	280,843	4,447	3,977
35	21	97.229	7.735,719	101.874,661	13,169	12,699	85	71	24.084	51,525	217,693	4,225	3,755
36	22	97.104	7.186,729	94.138,941	13,099	12,629	86	72	20.940	41,673	166,168	3,987	3,517
37	23	96.968	6.675,974	86.952,212	13,025	12,554	87	73	17.839	33,024	124,495	3,770	3,299
38	24	96.825	6.201,088	80.276,238	12,946	12,475	88	74	14.851	25,575	91,470	3,577	3,106
39	25	96.666	5.758,940	74.075,150	12,863	12,392	89	75	12.111	19,402	65,895	3,396	2,926
40	26	96.493	5.347,580	68.316,211	12,775	12,305	90	76	9.676	14,419	46,493	3,224	2,754
41	27	96.300	4.964,536	62.968,630	12,684	12,213	91	77	7.573	10,498	32,074	3,055	2,585
42	28	96.089	4.608,057	58.004,094	12,588	12,117	92	78	5.768	7,438	21,576	2,901	2,430
43	29	95.849	4.275,841	53.396,037	12,488	12,018	93	79	4.277	5,131	14,138	2,755	2,285
44	30	95.583	3.966,518	49.120,197	12,384	11,913	94	80	3.083	3,440	9,007	2,618	2,148
45	31	95.296	3.678,681	45.153,678	12,274	11,804	95	81	2.153	2,235	5,567	2,491	2,021
46	32	94.968	3.410,280	41.474,998	12,162	11,691	96	82	1.454	1,404	3,333	2,373	1,903
47	33	94.612	3.160,461	38.064,718	12,044	11,574	97	83	947	0,851	1,928	2,266	1,795
48	34	94.220	2.927,775	34.904,256	11,922	11,451	98	84	596	0,498	1,077	2,165	1,694
49	35	93.792	2.711,121	31.976,482	11,795	11,324	99	85	360	0,280	0,580	2,070	1,600
							100	86	210	0,152	0,300	1,976	1,506

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 15 Jahre

Zinsfuß 7,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	35	93.371	2.510,654	29.321,715	11,679	11,209
1							51	36	92.860	2.322,729	26.811,062	11,543	11,073
2							52	37	92.327	2.148,269	24.488,333	11,399	10,929
3							53	38	91.729	1.985,451	22.340,064	11,252	10,782
4							54	39	91.089	1.834,038	20.354,613	11,098	10,628
5							55	40	90.398	1.693,142	18.520,575	10,939	10,468
6							56	41	89.643	1.561,866	16.827,433	10,774	10,304
7							57	42	88.853	1.440,095	15.265,568	10,600	10,130
8							58	43	87.985	1.326,538	13.825,472	10,422	9,952
9							59	44	87.034	1.220,643	12.498,934	10,240	9,769
10							60	45	85.999	1.121,982	11.278,291	10,052	9,582
11							61	46	84.896	1.030,318	10.156,308	9,857	9,387
12							62	47	83.726	945,222	9.125,991	9,655	9,185
13							63	48	82.437	865,746	8.180,769	9,449	8,979
14							64	49	81.074	792,025	7.315,022	9,236	8,766
15	0	99.326	33.568,658	466.575,707	13,899	13,429	65	50	79.602	723,394	6.522,998	9,017	8,547
16	1	98.925	31.100,755	433.007,049	13,923	13,452	66	51	78.011	659,470	5.799,604	8,794	8,324
17	2	98.852	28.909,496	401.906,295	13,902	13,432	67	52	76.305	600,051	5.140,134	8,566	8,096
18	3	98.782	26.873,610	372.996,798	13,880	13,409	68	53	74.445	544,579	4.540,083	8,337	7,867
19	4	98.690	24.975,457	346.123,189	13,859	13,388	69	54	72.456	493,048	3.995,505	8,104	7,633
20	5	98.598	23.211,273	321.147,731	13,836	13,366	70	55	70.344	445,284	3.502,457	7,866	7,395
21	6	98.510	21.572,646	297.936,458	13,811	13,341	71	56	68.079	400,881	3.057,173	7,626	7,156
22	7	98.424	20.049,995	276.363,812	13,784	13,313	72	57	65.671	359,719	2.656,293	7,384	6,914
23	8	98.341	18.635,473	256.313,816	13,754	13,284	73	58	63.076	321,401	2.296,573	7,146	6,675
24	9	98.259	17.320,812	237.678,343	13,722	13,252	74	59	60.338	285,998	1.975,172	6,906	6,436
25	10	98.181	16.099,652	220.357,531	13,687	13,217	75	60	57.482	253,455	1.689,174	6,665	6,194
26	11	98.101	14.964,207	204.257,879	13,650	13,179	76	61	54.523	223,633	1.435,719	6,420	5,950
27	12	98.022	13.908,933	189.293,671	13,610	13,139	77	62	51.511	196,541	1.212,086	6,167	5,697
28	13	97.943	12.928,191	175.384,738	13,566	13,096	78	63	48.386	171,734	1.015,546	5,913	5,443
29	14	97.862	12.016,220	162.456,547	13,520	13,049	79	64	45.139	149,034	843,812	5,662	5,192
30	15	97.782	11.168,716	150.440,326	13,470	13,000	80	65	41.825	128,458	694,778	5,409	4,938
31	16	97.693	10.380,058	139.271,610	13,417	12,947	81	66	38.401	109,711	566,320	5,162	4,692
32	17	97.595	9.646,200	128.891,552	13,362	12,892	82	67	34.928	92,829	456,609	4,919	4,449
33	18	97.493	8.963,885	119.245,352	13,303	12,833	83	68	31.328	77,452	363,779	4,697	4,227
34	19	97.380	8.328,787	110.281,467	13,241	12,771	84	69	27.814	63,967	286,327	4,476	4,006
35	20	97.260	7.738,164	101.952,680	13,175	12,705	85	70	24.432	52,268	222,360	4,254	3,784
36	21	97.128	7.188,488	94.214,516	13,106	12,636	86	71	21.286	42,360	170,093	4,015	3,545
37	22	96.994	6.677,782	87.026,029	13,032	12,562	87	72	18.167	33,631	127,733	3,798	3,328
38	23	96.851	6.202,706	80.348,246	12,954	12,483	88	73	15.160	26,107	94,102	3,604	3,134
39	24	96.692	5.760,505	74.145,540	12,871	12,401	89	74	12.393	19,853	67,995	3,425	2,955
40	25	96.517	5.348,897	68.385,036	12,785	12,315	90	75	9.934	14,803	48,141	3,252	2,782
41	26	96.327	4.965,926	63.036,139	12,694	12,223	91	76	7.799	10,811	33,338	3,084	2,613
42	27	96.117	4.609,400	58.070,213	12,598	12,128	92	77	5.962	7,688	22,527	2,930	2,460
43	28	95.877	4.277,110	53.460,813	12,499	12,029	93	78	4.442	5,328	14,839	2,785	2,315
44	29	95.611	3.967,680	49.183,703	12,396	11,926	94	79	3.218	3,591	9,511	2,649	2,178
45	30	95.327	3.679,885	45.216,023	12,287	11,817	95	80	2.263	2,349	5,920	2,520	2,050
46	31	95.002	3.411,499	41.536,137	12,175	11,705	96	81	1.540	1,487	3,571	2,401	1,931
47	32	94.646	3.161,586	38.124,639	12,059	11,588	97	82	1.013	0,910	2,083	2,290	1,820
48	33	94.258	2.928,945	34.963,053	11,937	11,467	98	83	642	0,536	1,174	2,189	1,719
49	34	93.836	2.712,393	32.034,108	11,810	11,340	99	84	392	0,304	0,638	2,095	1,624
							100	85	230	0,166	0,333	2,007	1,536

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 16 Jahre

Zinsfuß 7,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	34	93.414	2.511,831	29.373,170	11,694	11,224
1							51	35	92.908	2.323,919	26.861,339	11,559	11,088
2							52	36	92.379	2.149,484	24.537,420	11,415	10,945
3							53	37	91.786	1.986,669	22.387,936	11,269	10,799
4							54	38	91.153	1.835,322	20.401,267	11,116	10,646
5							55	39	90.470	1.694,498	18.565,945	10,957	10,486
6							56	40	89.721	1.563,226	16.871,447	10,793	10,322
7							57	41	88.941	1.441,520	15.308,222	10,619	10,149
8							58	42	88.085	1.328,032	13.866,701	10,442	9,971
9							59	43	87.147	1.222,229	12.538,669	10,259	9,789
10							60	44	86.119	1.123,546	11.316,440	10,072	9,602
11							61	45	85.031	1.031,954	10.192,893	9,877	9,407
12							62	46	83.876	946,923	9.160,939	9,674	9,204
13							63	47	82.598	867,433	8.214,016	9,469	8,999
14							64	48	81.246	793,707	7.346,583	9,256	8,786
15							65	49	79.794	725,140	6.552,876	9,037	8,566
16	0	99.302	31.219,292	433.244,464	13,877	13,407	66	50	78.208	661,140	5.827,736	8,815	8,344
17	1	98.887	28.919,854	402.025,172	13,901	13,431	67	51	76.518	601,722	5.166,596	8,586	8,116
18	2	98.802	26.878,924	373.105,318	13,881	13,411	68	52	74.671	546,230	4.564,875	8,357	7,887
19	3	98.707	24.979,745	346.226,394	13,860	13,390	69	53	72.685	494,609	4.018,645	8,125	7,655
20	4	98.611	23.214,272	321.246,649	13,838	13,368	70	54	70.590	446,838	3.524,035	7,887	7,416
21	5	98.523	21.575,467	298.032,377	13,813	13,343	71	55	68.338	402,405	3.077,197	7,647	7,177
22	6	98.433	20.051,843	276.456,911	13,787	13,317	72	56	65.936	361,169	2.674,793	7,406	6,936
23	7	98.350	18.637,096	256.405,067	13,758	13,287	73	57	63.359	322,842	2.313,624	7,166	6,696
24	8	98.268	17.322,475	237.767,971	13,726	13,256	74	58	60.630	287,382	1.990,781	6,927	6,457
25	9	98.187	16.100,692	220.445,496	13,692	13,221	75	59	57.776	254,750	1.703,399	6,687	6,216
26	10	98.109	14.965,466	204.344,804	13,654	13,184	76	60	54.825	224,871	1.448,650	6,442	5,972
27	11	98.031	13.910,238	189.379,338	13,614	13,144	77	61	51.803	197,653	1.223,779	6,192	5,721
28	12	97.952	12.929,289	175.469,100	13,571	13,101	78	62	48.692	172,821	1.026,126	5,938	5,467
29	13	97.871	12.017,385	162.539,811	13,525	13,055	79	63	45.448	150,055	853,305	5,687	5,216
30	14	97.793	11.170,018	150.522,426	13,476	13,005	80	64	42.133	129,404	703,250	5,435	4,964
31	15	97.710	10.381,913	139.352,408	13,423	12,952	81	65	38.717	110,615	573,846	5,188	4,718
32	16	97.616	9.648,243	128.970,495	13,367	12,897	82	66	35.248	93,678	463,231	4,945	4,475
33	17	97.515	8.965,858	119.322,252	13,309	12,838	83	67	31.650	78,248	369,553	4,723	4,253
34	18	97.408	8.331,183	110.356,394	13,246	12,776	84	68	28.136	64,707	291,306	4,502	4,032
35	19	97.287	7.740,309	102.025,211	13,181	12,711	85	69	24.747	52,943	226,599	4,280	3,810
36	20	97.158	7.190,759	94.284,902	13,112	12,642	86	70	21.592	42,971	173,656	4,041	3,571
37	21	97.018	6.679,417	87.094,143	13,039	12,569	87	71	18.466	34,185	130,685	3,823	3,353
38	22	96.877	6.204,386	80.414,726	12,961	12,491	88	72	15.438	26,586	96,500	3,630	3,159
39	23	96.717	5.762,008	74.210,341	12,879	12,409	89	73	12.651	20,266	69,913	3,450	2,979
40	24	96.543	5.350,350	68.448,332	12,793	12,323	90	74	10.165	15,148	49,647	3,278	2,807
41	25	96.351	4.967,149	63.097,982	12,703	12,233	91	75	8.006	11,099	34,499	3,108	2,638
42	26	96.144	4.610,691	58.130,834	12,608	12,138	92	76	6.140	7,918	23,401	2,956	2,485
43	27	95.905	4.278,357	53.520,143	12,510	12,039	93	77	4.591	5,508	15,483	2,811	2,341
44	28	95.640	3.968,858	49.241,786	12,407	11,937	94	78	3.342	3,729	9,975	2,675	2,205
45	29	95.355	3.680,963	45.272,928	12,299	11,829	95	79	2.362	2,452	6,246	2,547	2,077
46	30	95.034	3.412,616	41.591,965	12,188	11,717	96	80	1.619	1,563	3,794	2,427	1,957
47	31	94.680	3.162,715	38.179,349	12,072	11,601	97	81	1.073	0,964	2,231	2,315	1,845
48	32	94.291	2.929,987	35.016,634	11,951	11,481	98	82	686	0,573	1,267	2,211	1,741
49	33	93.873	2.713,477	32.086,647	11,825	11,355	99	83	422	0,328	0,694	2,117	1,647
							100	84	250	0,181	0,366	2,028	1,558

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 17 Jahre

Zinsfuß 7,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	33	93.452	2.512,835	29.420,074	11,708	11,238
1							51	34	92.951	2.325,009	26.907,239	11,573	11,103
2							52	35	92.427	2.150,585	24.582,230	11,430	10,960
3							53	36	91.837	1.987,793	22.431,645	11,285	10,814
4							54	37	91.209	1.836,448	20.443,852	11,132	10,662
5							55	38	90.534	1.695,684	18.607,404	10,973	10,503
6							56	39	89.793	1.564,478	16.911,720	10,810	10,340
7							57	40	89.019	1.442,775	15.347,242	10,637	10,167
8							58	41	88.172	1.329,346	13.904,467	10,460	9,989
9							59	42	87.245	1.223,605	12.575,121	10,277	9,807
10							60	43	86.231	1.125,007	11.351,515	10,090	9,620
11							61	44	85.149	1.033,393	10.226,509	9,896	9,426
12							62	45	84.010	948,427	9.193,116	9,693	9,223
13							63	46	82.747	868,994	8.244,689	9,488	9,017
14							64	47	81.404	795,254	7.375,695	9,275	8,804
15							65	48	79.964	726,680	6.580,441	9,055	8,585
16							66	49	78.397	662,735	5.853,761	8,833	8,362
17	0	99.264	29.030,079	402.243,942	13,856	13,386	67	50	76.712	603,246	5.191,026	8,605	8,135
18	1	98.837	26.888,554	373.213,863	13,880	13,410	68	51	74.879	547,751	4.587,780	8,376	7,905
19	2	98.727	24.984,685	346.325,309	13,862	13,391	69	52	72.906	496,109	4.040,029	8,143	7,673
20	3	98.628	23.218,257	321.340,624	13,840	13,370	70	53	70.813	448,253	3.543,920	7,906	7,436
21	4	98.536	21.578,254	298.122,367	13,816	13,346	71	54	68.577	403,809	3.095,666	7,666	7,196
22	5	98.446	20.054,465	276.544,114	13,790	13,319	72	55	66.186	362,542	2.691,857	7,425	6,955
23	6	98.359	18.638,814	256.489,649	13,761	13,291	73	56	63.614	324,143	2.329,315	7,186	6,716
24	7	98.277	17.323,984	237.850,835	13,730	13,259	74	57	60.902	288,670	2.005,172	6,946	6,476
25	8	98.197	16.102,238	220.526,851	13,695	13,225	75	58	58.056	255,982	1.716,501	6,706	6,235
26	9	98.116	14.966,433	204.424,613	13,659	13,189	76	59	55.105	226,020	1.460,519	6,462	5,992
27	10	98.039	13.911,407	189.458,180	13,619	13,149	77	60	52.090	198,747	1.234,499	6,211	5,741
28	11	97.961	12.930,502	175.546,773	13,576	13,106	78	61	48.967	173,799	1.035,752	5,959	5,489
29	12	97.880	12.018,406	162.616,271	13,531	13,060	79	62	45.736	151,005	861,953	5,708	5,238
30	13	97.802	11.171,100	150.597,865	13,481	13,011	80	63	42.422	130,290	710,948	5,457	4,986
31	14	97.722	10.383,123	139.426,765	13,428	12,958	81	64	39.002	111,430	580,658	5,211	4,741
32	15	97.633	9.649,967	129.043,642	13,372	12,902	82	65	35.538	94,449	469,228	4,968	4,498
33	16	97.536	8.967,757	119.393,675	13,314	12,843	83	66	31.939	78,963	374,779	4,746	4,276
34	17	97.429	8.333,017	110.425,918	13,252	12,781	84	67	28.425	65,372	295,816	4,525	4,055
35	18	97.315	7.742,536	102.092,901	13,186	12,716	85	68	25.034	53,556	230,445	4,303	3,833
36	19	97.185	7.192,753	94.350,365	13,117	12,647	86	69	21.872	43,526	176,889	4,064	3,594
37	20	97.049	6.681,527	87.157,613	13,045	12,574	87	70	18.732	34,678	133,363	3,846	3,375
38	21	96.901	6.205,904	80.476,086	12,968	12,497	88	71	15.693	27,025	98,685	3,652	3,181
39	22	96.743	5.763,569	74.270,182	12,886	12,416	89	72	12.883	20,638	71,660	3,472	3,002
40	23	96.568	5.351,746	68.506,613	12,801	12,331	90	73	10.376	15,463	51,022	3,300	2,829
41	24	96.377	4.968,498	63.154,867	12,711	12,241	91	74	8.193	11,357	35,559	3,131	2,661
42	25	96.168	4.611,826	58.186,368	12,617	12,146	92	75	6.303	8,128	24,202	2,978	2,507
43	26	95.932	4.279,555	53.574,542	12,519	12,048	93	76	4.728	5,672	16,074	2,834	2,364
44	27	95.668	3.970,015	49.294,987	12,417	11,947	94	77	3.454	3,855	10,402	2,699	2,228
45	28	95.383	3.682,056	45.324,973	12,310	11,839	95	78	2.453	2,547	6,547	2,571	2,101
46	29	95.061	3.413,615	41.642,917	12,199	11,729	96	79	1.690	1,632	4,001	2,451	1,981
47	30	94.711	3.163,751	38.229,302	12,084	11,613	97	80	1.128	1,013	2,369	2,339	1,868
48	31	94.325	2.931,034	35.065,551	11,964	11,493	98	81	726	0,607	1,356	2,234	1,764
49	32	93.906	2.714,442	32.134,517	11,838	11,368	99	82	451	0,351	0,749	2,137	1,667
							100	83	269	0,195	0,398	2,049	1,578

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 18 Jahre

Zinsfuß 7,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	32	93.485	2.513,729	29.462,801	11,721	11,250
1							51	33	92.989	2.325,938	26.949,072	11,586	11,116
2							52	34	92.470	2.151,594	24.623,134	11,444	10,974
3							53	35	91.884	1.988,811	22.471,540	11,299	10,829
4							54	36	91.260	1.837,487	20.482,729	11,147	10,677
5							55	37	90.589	1.696,724	18.645,242	10,989	10,519
6							56	38	89.856	1.565,573	16.948,518	10,826	10,355
7							57	39	89.090	1.443,931	15.382,945	10,654	10,183
8							58	40	88.248	1.330,504	13.939,014	10,476	10,006
9							59	41	87.331	1.224,816	12.608,510	10,294	9,824
10							60	42	86.328	1.126,273	11.383,694	10,107	9,637
11							61	43	85.260	1.034,736	10.257,420	9,913	9,443
12							62	44	84.127	949,749	9.222,685	9,711	9,240
13							63	45	82.878	870,374	8.272,935	9,505	9,035
14							64	46	81.551	796,685	7.402,561	9,292	8,821
15							65	47	80.120	728,096	6.605,877	9,073	8,603
16							66	48	78.563	664,143	5.877,781	8,850	8,380
17							67	49	76.897	604,701	5.213,638	8,622	8,152
18	0	99.214	26.991,037	373.415,449	13,835	13,365	68	50	75.069	549,139	4.608,937	8,393	7,923
19	1	98.762	24.993,636	346.424,412	13,861	13,390	69	51	73.109	497,491	4.059,798	8,161	7,690
20	2	98.647	23.222,848	321.430,776	13,841	13,371	70	52	71.028	449,613	3.562,307	7,923	7,453
21	3	98.553	21.581,958	298.207,927	13,817	13,347	71	53	68.794	405,088	3.112,694	7,684	7,214
22	4	98.459	20.057,055	276.625,969	13,792	13,322	72	54	66.417	363,807	2.707,606	7,442	6,972
23	5	98.372	18.641,251	256.568,914	13,764	13,293	73	55	63.856	325,376	2.343,799	7,203	6,733
24	6	98.286	17.325,580	237.927,663	13,733	13,262	74	56	61.147	289,834	2.018,423	6,964	6,494
25	7	98.205	16.103,641	220.602,083	13,699	13,229	75	57	58.316	257,130	1.728,589	6,723	6,252
26	8	98.125	14.967,870	204.498,442	13,662	13,192	76	58	55.371	227,113	1.471,459	6,479	6,009
27	9	98.046	13.912,306	189.530,573	13,623	13,153	77	59	52.356	199,762	1.244,346	6,229	5,759
28	10	97.969	12.931,590	175.618,266	13,581	13,110	78	60	49.239	174,761	1.044,583	5,977	5,507
29	11	97.889	12.019,533	162.686,677	13,535	13,065	79	61	45.995	151,860	869,822	5,728	5,258
30	12	97.811	11.172,049	150.667,144	13,486	13,016	80	62	42.690	131,115	717,963	5,476	5,006
31	13	97.731	10.384,129	139.495,095	13,433	12,963	81	63	39.269	112,193	586,847	5,231	4,760
32	14	97.644	9.651,092	129.110,966	13,378	12,908	82	64	35.800	95,145	474,654	4,989	4,518
33	15	97.553	8.969,359	119.459,874	13,319	12,848	83	65	32.202	79,613	379,509	4,767	4,297
34	16	97.450	8.334,782	110.490,515	13,257	12,786	84	66	28.685	65,969	299,896	4,546	4,076
35	17	97.336	7.744,240	102.155,733	13,191	12,721	85	67	25.291	54,106	233,927	4,324	3,853
36	18	97.213	7.194,822	94.411,493	13,122	12,652	86	68	22.125	44,030	179,822	4,084	3,614
37	19	97.075	6.683,380	87.216,671	13,050	12,580	87	69	18.974	35,126	135,792	3,866	3,396
38	20	96.931	6.207,865	80.533,292	12,973	12,503	88	70	15.919	27,414	100,666	3,672	3,202
39	21	96.767	5.764,979	74.325,427	12,893	12,422	89	71	13.096	20,979	73,252	3,492	3,021
40	22	96.594	5.353,196	68.560,448	12,807	12,337	90	72	10.567	15,747	52,273	3,320	2,849
41	23	96.402	4.969,795	63.207,252	12,718	12,248	91	73	8.363	11,593	36,527	3,151	2,680
42	24	96.194	4.613,079	58.237,457	12,624	12,154	92	74	6.450	8,318	24,933	2,998	2,527
43	25	95.955	4.280,608	53.624,378	12,527	12,057	93	75	4.854	5,823	16,616	2,854	2,383
44	26	95.694	3.971,126	49.343,769	12,426	11,955	94	76	3.557	3,969	10,793	2,719	2,249
45	27	95.411	3.683,129	45.372,643	12,319	11,849	95	77	2.536	2,632	6,823	2,592	2,122
46	28	95.090	3.414,629	41.689,514	12,209	11,739	96	78	1.755	1,695	4,191	2,473	2,003
47	29	94.739	3.164,678	38.274,885	12,094	11,624	97	79	1.177	1,057	2,496	2,361	1,891
48	30	94.356	2.931,994	35.110,208	11,975	11,505	98	80	764	0,638	1,439	2,255	1,785
49	31	93.940	2.715,412	32.178,214	11,850	11,380	99	81	478	0,371	0,801	2,158	1,687
							100	82	288	0,208	0,430	2,066	1,596

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 19 Jahre

Zinsfuß 7,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	31	93.518	2.514,627	29.501,799	11,732	11,262
1							51	32	93.022	2.326,765	26.987,171	11,599	11,128
2							52	33	92.507	2.152,454	24.660,406	11,457	10,987
3							53	34	91.928	1.989,744	22.507,952	11,312	10,842
4							54	35	91.307	1.838,428	20.518,208	11,161	10,690
5							55	36	90.641	1.697,684	18.679,780	11,003	10,533
6							56	37	89.911	1.566,534	16.982,096	10,841	10,370
7							57	38	89.152	1.444,942	15.415,562	10,669	10,198
8							58	39	88.319	1.331,569	13.970,620	10,492	10,022
9							59	40	87.407	1.225,883	12.639,051	10,310	9,840
10							60	41	86.413	1.127,388	11.413,168	10,124	9,653
11							61	42	85.356	1.035,901	10.285,780	9,929	9,459
12							62	43	84.236	950,984	9.249,880	9,727	9,256
13							63	44	82.994	871,587	8.298,896	9,522	9,051
14							64	45	81.680	797,950	7.427,309	9,308	8,838
15							65	46	80.264	729,406	6.629,359	9,089	8,618
16							66	47	78.716	665,437	5.899,953	8,866	8,396
17							67	48	77.060	605,986	5.234,516	8,638	8,168
18							68	49	75.250	550,464	4.628,530	8,408	7,938
19	0	99.139	25.088,897	346.610,148	13,815	13,345	69	50	73.294	498,751	4.078,066	8,177	7,706
20	1	98.683	23.231,168	321.521,251	13,840	13,370	70	51	71.226	450,865	3.579,315	7,939	7,468
21	2	98.572	21.586,226	298.290,082	13,819	13,348	71	52	69.003	406,317	3.128,450	7,700	7,229
22	3	98.475	20.060,499	276.703,856	13,793	13,323	72	53	66.628	364,960	2.722,134	7,459	6,988
23	4	98.384	18.643,659	256.643,358	13,766	13,295	73	54	64.079	326,511	2.357,174	7,219	6,749
24	5	98.299	17.327,845	237.999,699	13,735	13,265	74	55	61.380	290,936	2.030,663	6,980	6,509
25	6	98.215	16.105,125	220.671,854	13,702	13,232	75	56	58.551	258,166	1.739,727	6,739	6,268
26	7	98.134	14.969,173	204.566,729	13,666	13,196	76	57	55.620	228,132	1.481,560	6,494	6,024
27	8	98.055	13.913,642	189.597,556	13,627	13,156	77	58	52.609	200,729	1.253,429	6,244	5,774
28	9	97.975	12.932,425	175.683,914	13,585	13,114	78	59	49.490	175,654	1.052,700	5,993	5,523
29	10	97.897	12.020,544	162.751,489	13,539	13,069	79	60	46.250	152,700	877,046	5,744	5,273
30	11	97.820	11.173,097	150.730,945	13,491	13,020	80	61	42.932	131,857	724,346	5,493	5,023
31	12	97.739	10.385,011	139.557,849	13,438	12,968	81	62	39.518	112,903	592,488	5,248	4,777
32	13	97.654	9.652,027	129.172,838	13,383	12,913	82	63	36.045	95,797	479,585	5,006	4,536
33	14	97.564	8.970,405	119.520,811	13,324	12,854	83	64	32.439	80,199	383,788	4,785	4,315
34	15	97.467	8.336,271	110.550,406	13,261	12,791	84	65	28.921	66,512	303,589	4,564	4,094
35	16	97.357	7.745,880	102.214,135	13,196	12,726	85	66	25.522	54,600	237,076	4,342	3,872
36	17	97.234	7.196,405	94.468,254	13,127	12,657	86	67	22.352	44,482	182,476	4,102	3,632
37	18	97.103	6.685,302	87.271,849	13,054	12,584	87	68	19.194	35,532	137,994	3,884	3,413
38	19	96.958	6.209,586	80.586,547	12,978	12,507	88	69	16.125	27,768	102,462	3,690	3,220
39	20	96.798	5.766,801	74.376,961	12,897	12,427	89	70	13.285	21,281	74,694	3,510	3,040
40	21	96.618	5.354,506	68.610,160	12,814	12,343	90	71	10.741	16,006	53,413	3,337	2,867
41	22	96.428	4.971,141	63.255,654	12,725	12,254	91	72	8.517	11,806	37,406	3,168	2,698
42	23	96.219	4.614,283	58.284,513	12,631	12,161	92	73	6.584	8,491	25,600	3,015	2,545
43	24	95.981	4.281,772	53.670,230	12,535	12,064	93	74	4.967	5,958	17,110	2,871	2,401
44	25	95.718	3.972,104	49.388,459	12,434	11,964	94	75	3.652	4,075	11,151	2,736	2,266
45	26	95.438	3.684,161	45.416,355	12,327	11,857	95	76	2.611	2,711	7,076	2,610	2,140
46	27	95.117	3.415,624	41.732,194	12,218	11,748	96	77	1.814	1,752	4,365	2,492	2,022
47	28	94.767	3.165,617	38.316,570	12,104	11,634	97	78	1.222	1,098	2,613	2,380	1,910
48	29	94.384	2.932,852	35.150,953	11,985	11,515	98	79	797	0,666	1,515	2,275	1,805
49	30	93.971	2.716,302	32.218,100	11,861	11,391	99	80	502	0,390	0,849	2,177	1,707
							100	81	305	0,220	0,459	2,085	1,615

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 20 Jahre

Zinsfuß 7,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	30	93.549	2.515,451	29.537,390	11,742	11,272
1							51	31	93.055	2.327,597	27.021,939	11,609	11,139
2							52	32	92.540	2.153,219	24.694,342	11,469	10,998
3							53	33	91.964	1.990,540	22.541,123	11,324	10,854
4							54	34	91.350	1.839,291	20.550,583	11,173	10,703
5							55	35	90.687	1.698,554	18.711,293	11,016	10,546
6							56	36	89.962	1.567,420	17.012,739	10,854	10,384
7							57	37	89.207	1.445,828	15.445,319	10,683	10,212
8							58	38	88.381	1.332,501	13.999,491	10,506	10,036
9							59	39	87.477	1.226,865	12.666,989	10,325	9,854
10							60	40	86.489	1.128,370	11.440,125	10,139	9,668
11							61	41	85.441	1.036,926	10.311,755	9,945	9,474
12							62	42	84.331	952,054	9.274,829	9,742	9,272
13							63	43	83.101	872,720	8.322,775	9,537	9,066
14							64	44	81.794	799,062	7.450,055	9,323	8,853
15							65	45	80.391	730,565	6.650,993	9,104	8,634
16							66	46	78.858	666,634	5.920,428	8,881	8,411
17							67	47	77.210	607,167	5.253,794	8,653	8,183
18							68	48	75.409	551,633	4.646,627	8,423	7,953
19							69	49	73.471	499,954	4.094,994	8,191	7,720
20	0	99.059	23.319,712	321.692,387	13,795	13,325	70	50	71.406	452,007	3.595,040	7,954	7,483
21	1	98.608	21.593,960	298.372,675	13,817	13,347	71	51	69.195	407,448	3.143,033	7,714	7,244
22	2	98.495	20.064,466	276.778,715	13,794	13,324	72	52	66.830	366,066	2.735,585	7,473	7,003
23	3	98.401	18.646,859	256.714,250	13,767	13,297	73	53	64.282	327,545	2.369,518	7,234	6,764
24	4	98.311	17.330,083	238.067,390	13,737	13,267	74	54	61.594	291,951	2.041,973	6,994	6,524
25	5	98.227	16.107,230	220.737,307	13,704	13,234	75	55	58.774	259,148	1.750,021	6,753	6,283
26	6	98.143	14.970,553	204.630,077	13,669	13,199	76	56	55.844	229,051	1.490,874	6,509	6,039
27	7	98.063	13.914,854	189.659,524	13,630	13,160	77	57	52.845	201,629	1.261,822	6,258	5,788
28	8	97.985	12.933,667	175.744,670	13,588	13,118	78	58	49.730	176,504	1.060,194	6,007	5,536
29	9	97.903	12.021,320	162.811,003	13,544	13,073	79	59	46.486	153,480	883,689	5,758	5,287
30	10	97.828	11.174,036	150.789,683	13,495	13,024	80	60	43.170	132,587	730,209	5,507	5,037
31	11	97.748	10.385,985	139.615,647	13,443	12,972	81	61	39.741	113,542	597,622	5,263	4,793
32	12	97.662	9.652,847	129.229,662	13,388	12,917	82	62	36.273	96,403	484,080	5,021	4,551
33	13	97.574	8.971,274	119.576,815	13,329	12,859	83	63	32.662	80,749	387,676	4,801	4,331
34	14	97.479	8.337,243	110.605,541	13,266	12,796	84	64	29.134	67,002	306,928	4,581	4,111
35	15	97.374	7.747,264	102.268,298	13,201	12,730	85	65	25.732	55,050	239,925	4,358	3,888
36	16	97.255	7.197,930	94.521,034	13,132	12,661	86	66	22.556	44,889	184,876	4,119	3,648
37	17	97.125	6.686,774	87.323,104	13,059	12,589	87	67	19.391	35,897	139,987	3,900	3,429
38	18	96.986	6.211,373	80.636,331	12,982	12,512	88	68	16.311	28,090	104,090	3,706	3,235
39	19	96.825	5.768,400	74.424,958	12,902	12,432	89	69	13.456	21,556	76,000	3,526	3,055
40	20	96.649	5.356,198	68.656,558	12,818	12,348	90	70	10.896	16,237	54,444	3,353	2,883
41	21	96.452	4.972,358	63.300,361	12,730	12,260	91	71	8.657	12,001	38,207	3,184	2,713
42	22	96.245	4.615,532	58.328,003	12,637	12,167	92	72	6.705	8,646	26,206	3,031	2,561
43	23	96.007	4.282,889	53.712,471	12,541	12,071	93	73	5.071	6,082	17,560	2,887	2,417
44	24	95.744	3.973,183	49.429,582	12,441	11,971	94	74	3.737	4,170	11,478	2,752	2,282
45	25	95.461	3.685,067	45.456,398	12,335	11,865	95	75	2.681	2,783	7,308	2,626	2,156
46	26	95.144	3.416,581	41.771,331	12,226	11,756	96	76	1.868	1,804	4,525	2,508	2,038
47	27	94.794	3.166,540	38.354,750	12,113	11,642	97	77	1.264	1,135	2,721	2,397	1,927
48	28	94.412	2.933,723	35.188,210	11,994	11,524	98	78	828	0,692	1,586	2,293	1,823
49	29	93.998	2.717,097	32.254,487	11,871	11,401	99	79	524	0,407	0,894	2,195	1,725
							100	80	320	0,231	0,487	2,103	1,632

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 21 Jahre

Zinsfuß 7,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	29	93.576	2.516,188	29.569,852	11,752	11,282
1							51	30	93.085	2.328,359	27.053,664	11,619	11,149
2							52	31	92.573	2.153,989	24.725,305	11,479	11,009
3							53	32	91.997	1.991,248	22.571,316	11,335	10,865
4							54	33	91.386	1.840,026	20.580,069	11,185	10,714
5							55	34	90.729	1.699,350	18.740,043	11,028	10,557
6							56	35	90.008	1.568,223	17.040,692	10,866	10,396
7							57	36	89.258	1.446,646	15.472,470	10,695	10,225
8							58	37	88.435	1.333,319	14.025,823	10,519	10,049
9							59	38	87.539	1.227,723	12.692,504	10,338	9,868
10							60	39	86.558	1.129,273	11.464,781	10,152	9,682
11							61	40	85.515	1.037,829	10.335,508	9,959	9,488
12							62	41	84.414	952,996	9.297,679	9,756	9,286
13							63	42	83.195	873,703	8.344,682	9,551	9,081
14							64	43	81.900	800,101	7.470,980	9,338	8,867
15							65	44	80.503	731,583	6.670,879	9,118	8,648
16							66	45	78.983	667,693	5.939,296	8,895	8,425
17							67	46	77.349	608,259	5.271,603	8,667	8,196
18							68	47	75.556	552,708	4.663,343	8,437	7,967
19							69	48	73.627	501,016	4.110,636	8,205	7,734
20							70	49	71.579	453,097	3.609,619	7,967	7,496
21	0	98.983	21.676,263	298.530,368	13,772	13,302	71	50	69.370	408,480	3.156,522	7,727	7,257
22	1	98.530	20.071,654	276.854,105	13,793	13,323	72	51	67.016	367,086	2.748,042	7,486	7,016
23	2	98.421	18.650,547	256.782,451	13,768	13,298	73	52	64.477	328,539	2.380,956	7,247	6,777
24	3	98.328	17.333,059	238.131,904	13,739	13,268	74	53	61.789	292,876	2.052,417	7,008	6,538
25	4	98.240	16.109,311	220.798,845	13,706	13,236	75	54	58.979	260,052	1.759,541	6,766	6,296
26	5	98.156	14.972,510	204.689,535	13,671	13,201	76	55	56.056	229,922	1.499,489	6,522	6,051
27	6	98.072	13.916,136	189.717,024	13,633	13,163	77	56	53.058	202,442	1.269,567	6,271	5,801
28	7	97.993	12.934,793	175.800,888	13,591	13,121	78	57	49.953	177,295	1.067,125	6,019	5,549
29	8	97.913	12.022,474	162.866,095	13,547	13,077	79	58	46.711	154,223	889,830	5,770	5,299
30	9	97.835	11.174,758	150.843,621	13,499	13,028	80	59	43.390	133,265	735,607	5,520	5,050
31	10	97.757	10.386,859	139.668,862	13,447	12,976	81	60	39.961	114,171	602,342	5,276	4,806
32	11	97.671	9.653,752	129.282,004	13,392	12,922	82	61	36.478	96,949	488,171	5,035	4,565
33	12	97.582	8.972,036	119.628,252	13,333	12,863	83	62	32.868	81,260	391,222	4,814	4,344
34	13	97.488	8.338,051	110.656,216	13,271	12,801	84	63	29.334	67,461	309,962	4,595	4,124
35	14	97.386	7.748,167	102.318,165	13,205	12,735	85	64	25.922	55,455	242,501	4,373	3,903
36	15	97.272	7.199,216	94.569,998	13,136	12,666	86	65	22.742	45,258	187,046	4,133	3,663
37	16	97.145	6.688,190	87.370,782	13,063	12,593	87	66	19.568	36,225	141,788	3,914	3,444
38	17	97.007	6.212,740	80.682,592	12,987	12,516	88	67	16.479	28,378	105,563	3,720	3,250
39	18	96.852	5.770,059	74.469,853	12,906	12,436	89	68	13.612	21,805	77,184	3,540	3,069
40	19	96.675	5.357,683	68.699,793	12,823	12,352	90	69	11.037	16,447	55,379	3,367	2,897
41	20	96.482	4.973,929	63.342,111	12,735	12,265	91	70	8.782	12,174	38,932	3,198	2,728
42	21	96.268	4.616,662	58.368,182	12,643	12,173	92	71	6.816	8,789	26,758	3,045	2,574
43	22	96.033	4.284,049	53.751,520	12,547	12,077	93	72	5.164	6,194	17,969	2,901	2,431
44	23	95.769	3.974,220	49.467,471	12,447	11,977	94	73	3.815	4,257	11,775	2,766	2,296
45	24	95.487	3.686,069	45.493,251	12,342	11,872	95	74	2.743	2,848	7,519	2,640	2,170
46	25	95.167	3.417,422	41.807,182	12,234	11,763	96	75	1.918	1,852	4,671	2,522	2,052
47	26	94.821	3.167,427	38.389,761	12,120	11,650	97	76	1.301	1,169	2,819	2,412	1,941
48	27	94.439	2.934,578	35.222,334	12,003	11,532	98	77	856	0,715	1,650	2,308	1,838
49	28	94.026	2.717,904	32.287,755	11,880	11,409	99	78	544	0,423	0,935	2,211	1,740
							100	79	334	0,242	0,512	2,119	1,649

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 22 Jahre

Zinsfuß 7,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	28	93.604	2.516,935	29.599,527	11,760	11,290
1							51	29	93.113	2.329,041	27.082,593	11,628	11,158
2							52	30	92.603	2.154,694	24.753,552	11,488	11,018
3							53	31	92.030	1.991,959	22.598,857	11,345	10,875
4							54	32	91.419	1.840,680	20.606,898	11,195	10,725
5							55	33	90.766	1.700,030	18.766,218	11,039	10,568
6							56	34	90.050	1.568,958	17.066,188	10,877	10,407
7							57	35	89.303	1.447,387	15.497,230	10,707	10,237
8							58	36	88.485	1.334,073	14.049,842	10,532	10,061
9							59	37	87.592	1.228,477	12.715,769	10,351	9,881
10							60	38	86.619	1.130,064	11.487,292	10,165	9,695
11							61	39	85.583	1.038,660	10.357,229	9,972	9,501
12							62	40	84.488	953,826	9.318,569	9,770	9,299
13							63	41	83.277	874,567	8.364,743	9,564	9,094
14							64	42	81.993	801,002	7.490,175	9,351	8,881
15							65	43	80.608	732,534	6.689,174	9,132	8,661
16							66	44	79.093	668,624	5.956,640	8,909	8,439
17							67	45	77.472	609,225	5.288,016	8,680	8,210
18							68	46	75.692	553,702	4.678,790	8,450	7,980
19							69	47	73.770	501,993	4.125,088	8,217	7,747
20							70	48	71.731	454,060	3.623,095	7,979	7,509
21							71	49	69.537	409,466	3.169,036	7,739	7,269
22	0	98.906	20.148,155	276.999,414	13,748	13,278	72	50	67.186	368,016	2.759,570	7,499	7,028
23	1	98.456	18.657,229	256.851,258	13,767	13,297	73	51	64.657	329,454	2.391,554	7,259	6,789
24	2	98.348	17.336,486	238.194,030	13,739	13,269	74	52	61.976	293,764	2.062,100	7,020	6,549
25	3	98.257	16.112,076	220.857,543	13,708	13,237	75	53	59.166	260,876	1.768,336	6,778	6,308
26	4	98.168	14.974,444	204.745,467	13,673	13,203	76	54	56.252	230,724	1.507,460	6,534	6,063
27	5	98.085	13.917,956	189.771,023	13,635	13,165	77	55	53.260	203,211	1.276,736	6,283	5,813
28	6	98.002	12.935,985	175.853,067	13,594	13,124	78	56	50.154	178,010	1.073,525	6,031	5,560
29	7	97.921	12.023,522	162.917,082	13,550	13,080	79	57	46.920	154,914	895,515	5,781	5,310
30	8	97.844	11.175,831	150.893,561	13,502	13,031	80	58	43.600	133,910	740,600	5,531	5,060
31	9	97.763	10.387,530	139.717,730	13,451	12,980	81	59	40.166	114,754	606,691	5,287	4,817
32	10	97.680	9.654,564	129.330,200	13,396	12,925	82	60	36.680	97,485	491,936	5,046	4,576
33	11	97.591	8.972,877	119.675,636	13,337	12,867	83	61	33.054	81,720	394,451	4,827	4,357
34	12	97.497	8.338,759	110.702,758	13,276	12,805	84	62	29.519	67,888	312,731	4,607	4,136
35	13	97.395	7.748,918	102.364,000	13,210	12,740	85	63	26.099	55,835	244,843	4,385	3,915
36	14	97.284	7.200,055	94.615,081	13,141	12,671	86	64	22.909	45,592	189,008	4,146	3,675
37	15	97.163	6.689,385	87.415,027	13,068	12,597	87	65	19.729	36,524	143,416	3,927	3,456
38	16	97.028	6.214,056	80.725,642	12,991	12,521	88	66	16.630	28,638	106,893	3,733	3,262
39	17	96.874	5.771,329	74.511,586	12,911	12,440	89	67	13.752	22,029	78,255	3,552	3,082
40	18	96.703	5.359,224	68.740,257	12,827	12,356	90	68	11.165	16,637	56,226	3,380	2,909
41	19	96.509	4.975,308	63.381,033	12,739	12,269	91	69	8.896	12,331	39,589	3,210	2,740
42	20	96.299	4.618,121	58.405,725	12,647	12,177	92	70	6.914	8,916	27,258	3,057	2,587
43	21	96.056	4.285,097	53.787,605	12,552	12,082	93	71	5.249	6,296	18,342	2,913	2,443
44	22	95.795	3.975,296	49.502,507	12,453	11,982	94	72	3.885	4,335	12,046	2,779	2,309
45	23	95.512	3.687,031	45.527,211	12,348	11,878	95	73	2.800	2,907	7,711	2,653	2,182
46	24	95.193	3.418,350	41.840,180	12,240	11,770	96	74	1.963	1,895	4,804	2,535	2,064
47	25	94.844	3.168,206	38.421,830	12,127	11,657	97	75	1.336	1,200	2,909	2,424	1,954
48	26	94.466	2.935,400	35.253,623	12,010	11,540	98	76	881	0,736	1,709	2,321	1,851
49	27	94.054	2.718,696	32.318,223	11,887	11,417	99	77	563	0,437	0,973	2,224	1,754
							100	78	347	0,251	0,535	2,133	1,663

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 23 Jahre

Zinsfuß 7,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	27	93.631	2.517,668	29.626,702	11,768	11,297
1							51	28	93.140	2.329,732	27.109,034	11,636	11,166
2							52	29	92.630	2.155,325	24.779,301	11,497	11,026
3							53	30	92.060	1.992,612	22.623,976	11,354	10,884
4							54	31	91.451	1.841,338	20.631,365	11,205	10,734
5							55	32	90.798	1.700,634	18.790,026	11,049	10,579
6							56	33	90.086	1.569,585	17.089,392	10,888	10,418
7							57	34	89.345	1.448,066	15.519,807	10,718	10,247
8							58	35	88.531	1.334,757	14.071,740	10,543	10,072
9							59	36	87.642	1.229,172	12.736,984	10,362	9,892
10							60	37	86.672	1.130,757	11.507,812	10,177	9,707
11							61	38	85.643	1.039,387	10.377,055	9,984	9,514
12							62	39	84.555	954,590	9.337,668	9,782	9,312
13							63	40	83.350	875,329	8.383,078	9,577	9,107
14							64	41	82.074	801,794	7.507,749	9,364	8,893
15							65	42	80.699	733,359	6.705,954	9,144	8,674
16							66	43	79.196	669,493	5.972,596	8,921	8,451
17							67	44	77.580	610,074	5.303,103	8,693	8,222
18							68	45	75.813	554,582	4.693,028	8,462	7,992
19							69	46	73.903	502,896	4.138,446	8,229	7,759
20							70	47	71.871	454,945	3.635,551	7,991	7,521
21							71	48	69.685	410,336	3.180,606	7,751	7,281
22							72	49	67.348	368,904	2.770,270	7,509	7,039
23	0	98.831	18.728,339	256.985,162	13,722	13,251	73	50	64.820	330,288	2.401,367	7,271	6,800
24	1	98.383	17.342,697	238.256,823	13,738	13,268	74	51	62.149	294,582	2.071,079	7,031	6,560
25	2	98.276	16.115,263	220.914,125	13,708	13,238	75	52	59.345	261,667	1.776,496	6,789	6,319
26	3	98.185	14.977,015	204.798,863	13,674	13,204	76	53	56.430	231,455	1.514,829	6,545	6,075
27	4	98.098	13.919,753	189.821,848	13,637	13,167	77	54	53.446	203,920	1.283,374	6,294	5,823
28	5	98.015	12.937,676	175.902,094	13,596	13,126	78	55	50.345	178,687	1.079,453	6,041	5,571
29	6	97.930	12.024,630	162.964,418	13,553	13,082	79	56	47.109	155,539	900,767	5,791	5,321
30	7	97.852	11.176,805	150.939,788	13,505	13,034	80	57	43.796	134,510	745,228	5,540	5,070
31	8	97.772	10.388,527	139.762,984	13,454	12,983	81	58	40.360	115,309	610,718	5,296	4,826
32	9	97.686	9.655,188	129.374,457	13,399	12,929	82	59	36.868	97,984	495,409	5,056	4,586
33	10	97.599	8.973,632	119.719,269	13,341	12,871	83	60	33.237	82,172	397,425	4,836	4,366
34	11	97.506	8.339,541	110.745,637	13,280	12,809	84	61	29.686	68,273	315,253	4,618	4,147
35	12	97.403	7.749,576	102.406,096	13,214	12,744	85	62	26.264	56,189	246,980	4,396	3,925
36	13	97.293	7.200,752	94.656,520	13,145	12,675	86	63	23.066	45,904	190,792	4,156	3,686
37	14	97.174	6.690,165	87.455,767	13,072	12,602	87	64	19.875	36,793	144,888	3,938	3,468
38	15	97.045	6.215,166	80.765,603	12,995	12,525	88	65	16.766	28,873	108,095	3,744	3,273
39	16	96.894	5.772,551	74.550,437	12,915	12,444	89	66	13.877	22,231	79,222	3,564	3,093
40	17	96.724	5.360,403	68.777,885	12,831	12,360	90	67	11.279	16,808	56,991	3,391	2,920
41	18	96.537	4.976,739	63.417,482	12,743	12,272	91	68	8.998	12,474	40,183	3,221	2,751
42	19	96.325	4.619,401	58.440,743	12,651	12,181	92	69	7.003	9,031	27,710	3,068	2,598
43	20	96.086	4.286,451	53.821,342	12,556	12,086	93	70	5.324	6,387	18,679	2,925	2,454
44	21	95.818	3.976,269	49.534,890	12,458	11,987	94	71	3.949	4,406	12,292	2,790	2,319
45	22	95.538	3.688,029	45.558,621	12,353	11,883	95	72	2.852	2,960	7,885	2,664	2,193
46	23	95.218	3.419,242	41.870,592	12,246	11,775	96	73	2.004	1,935	4,925	2,546	2,075
47	24	94.870	3.169,067	38.451,349	12,133	11,663	97	74	1.367	1,228	2,991	2,436	1,965
48	25	94.489	2.936,123	35.282,282	12,017	11,546	98	75	905	0,756	1,763	2,332	1,862
49	26	94.080	2.719,457	32.346,159	11,894	11,424	99	76	579	0,450	1,007	2,236	1,766
							100	77	359	0,259	0,557	2,146	1,675

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 24 Jahre

Zinsfuß 7,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	26	93.658	2.518,373	29.651,617	11,774	11,304
1							51	27	93.167	2.330,412	27.133,244	11,643	11,173
2							52	28	92.658	2.155,965	24.802,832	11,504	11,034
3							53	29	92.087	1.993,195	22.646,867	11,362	10,892
4							54	30	91.481	1.841,941	20.653,672	11,213	10,743
5							55	31	90.830	1.701,242	18.811,731	11,058	10,587
6							56	32	90.118	1.570,144	17.110,489	10,897	10,427
7							57	33	89.381	1.448,645	15.540,345	10,728	10,257
8							58	34	88.572	1.335,383	14.091,700	10,553	10,082
9							59	35	87.687	1.229,801	12.756,317	10,373	9,902
10							60	36	86.721	1.131,397	11.526,516	10,188	9,718
11							61	37	85.696	1.040,025	10.395,119	9,995	9,525
12							62	38	84.615	955,258	9.355,094	9,793	9,323
13							63	39	83.417	876,030	8.399,836	9,589	9,118
14							64	40	82.145	802,492	7.523,806	9,376	8,905
15							65	41	80.779	734,084	6.721,313	9,156	8,686
16							66	42	79.285	670,247	5.987,229	8,933	8,463
17							67	43	77.681	610,867	5.316,982	8,704	8,234
18							68	44	75.918	555,355	4.706,115	8,474	8,004
19							69	45	74.020	503,695	4.150,760	8,241	7,770
20							70	46	72.000	455,763	3.647,065	8,002	7,532
21							71	47	69.821	411,135	3.191,302	7,762	7,292
22							72	48	67.491	369,687	2.780,167	7,520	7,050
23							73	49	64.977	331,085	2.410,480	7,281	6,810
24	0	98.758	17.408,798	238.380,219	13,693	13,223	74	50	62.306	295,328	2.079,395	7,041	6,571
25	1	98.312	16.121,036	220.971,421	13,707	13,237	75	51	59.510	262,396	1.784,066	6,799	6,329
26	2	98.204	14.979,977	204.850,385	13,675	13,205	76	52	56.601	232,157	1.521,670	6,554	6,084
27	3	98.115	13.922,143	189.870,409	13,638	13,168	77	53	53.615	204,566	1.289,513	6,304	5,833
28	4	98.028	12.939,348	175.948,266	13,598	13,128	78	54	50.520	179,310	1.084,947	6,051	5,580
29	5	97.943	12.026,202	163.008,918	13,554	13,084	79	55	47.288	156,130	905,637	5,801	5,330
30	6	97.861	11.177,835	150.982,716	13,507	13,037	80	56	43.972	135,052	749,506	5,550	5,079
31	7	97.781	10.389,432	139.804,882	13,456	12,986	81	57	40.541	115,826	614,454	5,305	4,835
32	8	97.695	9.656,115	129.415,450	13,402	12,932	82	58	37.046	98,458	498,628	5,064	4,594
33	9	97.606	8.974,212	119.759,335	13,345	12,875	83	59	33.407	82,592	400,170	4,845	4,375
34	10	97.514	8.340,242	110.785,123	13,283	12,813	84	60	29.851	68,650	317,578	4,626	4,156
35	11	97.413	7.750,303	102.444,881	13,218	12,748	85	61	26.413	56,506	248,928	4,405	3,935
36	12	97.301	7.201,364	94.694,578	13,150	12,679	86	62	23.212	46,194	192,421	4,165	3,695
37	13	97.183	6.690,813	87.493,214	13,077	12,606	87	63	20.011	37,045	146,227	3,947	3,477
38	14	97.057	6.215,890	80.802,401	12,999	12,529	88	64	16.890	29,086	109,182	3,754	3,283
39	15	96.912	5.773,583	74.586,511	12,919	12,448	89	65	13.992	22,414	80,096	3,574	3,103
40	16	96.745	5.361,539	68.812,928	12,835	12,364	90	66	11.382	16,962	57,682	3,401	2,930
41	17	96.558	4.977,834	63.451,389	12,747	12,277	91	67	9.091	12,602	40,721	3,231	2,761
42	18	96.353	4.620,730	58.473,555	12,655	12,184	92	68	7.084	9,135	28,119	3,078	2,608
43	19	96.113	4.287,640	53.852,824	12,560	12,090	93	69	5.393	6,469	18,983	2,934	2,464
44	20	95.849	3.977,526	49.565,185	12,461	11,991	94	70	4.006	4,470	12,514	2,800	2,329
45	21	95.561	3.688,932	45.587,659	12,358	11,888	95	71	2.899	3,009	8,044	2,673	2,203
46	22	95.244	3.420,168	41.898,727	12,250	11,780	96	72	2.040	1,970	5,035	2,556	2,085
47	23	94.895	3.169,894	38.478,559	12,139	11,668	97	73	1.395	1,253	3,065	2,445	1,975
48	24	94.515	2.936,921	35.308,664	12,022	11,552	98	74	926	0,773	1,812	2,342	1,872
49	25	94.103	2.720,127	32.371,744	11,901	11,431	99	75	595	0,462	1,038	2,246	1,776
							100	76	369	0,267	0,576	2,156	1,686

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 25 Jahre

Zinsfuß 7,50%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	25	93.681	2.518,993	29.674,432	11,780	11,310
1							51	26	93.194	2.331,064	27.155,439	11,649	11,179
2							52	27	92.685	2.156,594	24.824,374	11,511	11,041
3							53	28	92.114	1.993,787	22.667,781	11,369	10,899
4							54	29	91.508	1.842,480	20.673,994	11,221	10,750
5							55	30	90.860	1.701,799	18.831,513	11,066	10,595
6							56	31	90.151	1.570,705	17.129,714	10,906	10,435
7							57	32	89.413	1.449,160	15.559,009	10,737	10,266
8							58	33	88.607	1.335,917	14.109,849	10,562	10,092
9							59	34	87.728	1.230,378	12.773,932	10,382	9,912
10							60	35	86.765	1.131,976	11.543,554	10,198	9,727
11							61	36	85.744	1.040,613	10.411,578	10,005	9,535
12							62	37	84.667	955,845	9.370,965	9,804	9,334
13							63	38	83.475	876,643	8.415,120	9,599	9,129
14							64	39	82.211	803,135	7.538,477	9,386	8,916
15							65	40	80.849	734,723	6.735,342	9,167	8,697
16							66	41	79.364	670,910	6.000,618	8,944	8,474
17							67	42	77.768	611,555	5.329,708	8,715	8,245
18							68	43	76.017	556,077	4.718,153	8,485	8,014
19							69	44	74.124	504,397	4.162,076	8,252	7,781
20							70	45	72.114	456,487	3.657,680	8,013	7,542
21							71	46	69.947	411,875	3.201,193	7,772	7,302
22							72	47	67.622	370,408	2.789,318	7,530	7,060
23							73	48	65.115	331,788	2.418,910	7,291	6,820
24							74	49	62.457	296,041	2.087,122	7,050	6,580
25	0	98.686	16.182,480	221.085,138	13,662	13,192	75	50	59.661	263,061	1.791,081	6,809	6,338
26	1	98.240	14.985,343	204.902,658	13,674	13,203	76	51	56.759	232,804	1.528,020	6,564	6,093
27	2	98.134	13.924,896	189.917,315	13,639	13,168	77	52	53.778	205,187	1.295,216	6,312	5,842
28	3	98.045	12.941,569	175.992,418	13,599	13,129	78	53	50.680	179,878	1.090,030	6,060	5,590
29	4	97.956	12.027,755	163.050,849	13,556	13,086	79	54	47.454	156,675	910,151	5,809	5,339
30	5	97.874	11.179,296	151.023,094	13,509	13,039	80	55	44.139	135,565	753,476	5,558	5,088
31	6	97.790	10.390,389	139.843,798	13,459	12,989	81	56	40.704	116,293	617,911	5,313	4,843
32	7	97.704	9.656,956	129.453,409	13,405	12,935	82	57	37.212	98,899	501,618	5,072	4,602
33	8	97.615	8.975,073	119.796,453	13,348	12,877	83	58	33.569	82,992	402,719	4,853	4,382
34	9	97.520	8.340,781	110.821,380	13,287	12,816	84	59	30.003	69,001	319,727	4,634	4,163
35	10	97.421	7.750,955	102.480,599	13,222	12,751	85	60	26.559	56,819	250,726	4,413	3,942
36	11	97.311	7.202,039	94.729,644	13,153	12,683	86	61	23.344	46,456	193,906	4,174	3,704
37	12	97.192	6.691,381	87.527,604	13,081	12,610	87	62	20.137	37,279	147,451	3,955	3,485
38	13	97.066	6.216,493	80.836,223	13,004	12,533	88	63	17.006	29,285	110,171	3,762	3,292
39	14	96.923	5.774,256	74.619,731	12,923	12,453	89	64	14.095	22,579	80,886	3,582	3,112
40	15	96.762	5.362,497	68.845,475	12,838	12,368	90	65	11.476	17,101	58,307	3,410	2,939
41	16	96.578	4.978,889	63.482,978	12,750	12,280	91	66	9.174	12,717	41,206	3,240	2,770
42	17	96.374	4.621,747	58.504,089	12,658	12,188	92	67	7.157	9,229	28,489	3,087	2,617
43	18	96.141	4.288,873	53.882,342	12,563	12,093	93	68	5.456	6,544	19,260	2,943	2,473
44	19	95.875	3.978,629	49.593,469	12,465	11,995	94	69	4.058	4,528	12,715	2,808	2,338
45	20	95.591	3.690,097	45.614,840	12,361	11,891	95	70	2.941	3,052	8,188	2,682	2,212
46	21	95.267	3.421,005	41.924,743	12,255	11,785	96	71	2.074	2,003	5,135	2,564	2,094
47	22	94.921	3.170,753	38.503,738	12,143	11,673	97	72	1.421	1,276	3,133	2,454	1,984
48	23	94.539	2.937,687	35.332,985	12,027	11,557	98	73	945	0,789	1,856	2,351	1,881
49	24	94.129	2.720,866	32.395,298	11,906	11,436	99	74	609	0,473	1,067	2,255	1,785
							100	75	379	0,274	0,594	2,165	1,695

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 0 Jahre

Zinsfuß 7,75%

Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	0	100.000	100.000,000	1.363.025,256	13,630	13,160	50	50	91.638	2.193,872	24.133,818	11,001	10,530
1	1	99.166	92.033,233	1.263.025,256	13,724	13,253	51	51	90.953	2.020,868	21.939,946	10,857	10,386
2	2	99.090	85.348,589	1.170.992,023	13,720	13,249	52	52	90.231	1.860,617	19.919,079	10,706	10,235
3	3	99.051	79.178,222	1.085.643,434	13,711	13,241	53	53	89.431	1.711,473	18.058,462	10,551	10,081
4	4	99.016	73.457,253	1.006.465,212	13,701	13,231	54	54	88.588	1.573,407	16.346,989	10,390	9,919
5	5	98.990	68.155,838	933.007,959	13,689	13,219	55	55	87.680	1.445,278	14.773,582	10,222	9,751
6	6	98.963	63.236,749	864.852,120	13,676	13,206	56	56	86.694	1.326,244	13.328,304	10,050	9,579
7	7	98.942	58.676,151	801.615,371	13,662	13,191	57	57	85.670	1.216,311	12.002,060	9,868	9,397
8	8	98.922	54.444,358	742.939,221	13,646	13,175	58	58	84.550	1.114,065	10.785,749	9,681	9,211
9	9	98.900	50.517,549	688.494,862	13,629	13,158	59	59	83.341	1.019,150	9.671,684	9,490	9,019
10	10	98.885	46.876,620	637.977,313	13,610	13,139	60	60	82.046	931,147	8.652,535	9,292	8,822
11	11	98.867	43.497,237	591.100,694	13,589	13,119	61	61	80.675	849,741	7.721,388	9,087	8,616
12	12	98.844	40.359,048	547.603,456	13,568	13,098	62	62	79.258	774,766	6.871,647	8,869	8,399
13	13	98.822	37.448,121	507.244,408	13,545	13,075	63	63	77.698	704,891	6.096,881	8,649	8,179
14	14	98.800	34.746,764	469.796,287	13,521	13,050	64	64	76.054	640,352	5.391,990	8,420	7,950
15	15	98.770	32.237,870	435.049,523	13,495	13,024	65	65	74.307	580,638	4.751,638	8,183	7,713
16	16	98.729	29.906,735	402.811,653	13,469	12,998	66	66	72.409	525,114	4.171,000	7,943	7,472
17	17	98.670	27.739,164	372.904,918	13,443	12,973	67	67	70.380	473,690	3.645,886	7,697	7,226
18	18	98.599	25.725,294	345.165,754	13,417	12,947	68	68	68.173	425,830	3.172,196	7,449	6,979
19	19	98.496	23.850,012	319.440,460	13,394	12,923	69	69	65.800	381,446	2.746,366	7,200	6,729
20	20	98.389	22.110,624	295.590,447	13,369	12,898	70	70	63.288	340,494	2.364,920	6,946	6,475
21	21	98.283	20.498,223	273.479,823	13,342	12,871	71	71	60.609	302,628	2.024,426	6,689	6,219
22	22	98.182	19.004,306	252.981,600	13,312	12,841	72	72	57.749	267,607	1.721,798	6,434	5,963
23	23	98.081	17.619,337	233.977,294	13,280	12,809	73	73	54.711	235,295	1.454,192	6,180	5,710
24	24	97.983	16.335,670	216.357,956	13,245	12,774	74	74	51.518	205,626	1.218,896	5,928	5,457
25	25	97.886	15.145,598	200.022,287	13,207	12,736	75	75	48.208	178,575	1.013,270	5,674	5,204
26	26	97.790	14.042,502	184.876,688	13,166	12,695	76	76	44.787	153,970	834,696	5,421	4,951
27	27	97.693	13.019,518	170.834,187	13,121	12,651	77	77	41.321	131,837	680,726	5,163	4,693
28	28	97.594	12.070,919	157.814,669	13,074	12,603	78	78	37.788	111,894	548,889	4,905	4,435
29	29	97.494	11.191,152	145.743,749	13,023	12,552	79	79	34.179	93,927	436,995	4,652	4,182
30	30	97.396	10.375,877	134.552,597	12,968	12,497	80	80	30.561	77,944	343,068	4,401	3,931
31	31	97.293	9.619,399	124.176,720	12,909	12,438	81	81	26.911	63,700	265,124	4,162	3,691
32	32	97.182	8.917,280	114.557,322	12,847	12,376	82	82	23.325	51,239	201,424	3,931	3,460
33	33	97.068	8.266,177	105.640,042	12,780	12,309	83	83	19.770	40,306	150,185	3,726	3,256
34	34	96.944	7.661,834	97.373,865	12,709	12,238	84	84	16.483	31,188	109,880	3,523	3,053
35	35	96.806	7.100,629	89.712,031	12,634	12,164	85	85	13.487	23,683	78,692	3,323	2,852
36	36	96.655	6.579,644	82.611,402	12,556	12,085	86	86	10.885	17,739	55,009	3,101	2,630
37	37	96.491	6.096,056	76.031,758	12,472	12,002	87	87	8.491	12,843	37,270	2,902	2,431
38	38	96.316	5.647,292	69.935,701	12,384	11,913	88	88	6.365	8,935	24,427	2,734	2,263
39	39	96.116	5.230,223	64.288,409	12,292	11,821	89	89	4.613	6,010	15,492	2,578	2,107
40	40	95.891	4.842,676	59.058,185	12,195	11,725	90	90	3.223	3,897	9,482	2,433	1,963
41	41	95.642	4.482,719	54.215,510	12,094	11,624	91	91	2.173	2,438	5,586	2,291	1,820
42	42	95.366	4.148,288	49.732,790	11,989	11,518	92	92	1.390	1,448	3,147	2,174	1,703
43	43	95.049	3.837,108	45.584,502	11,880	11,409	93	93	851	0,822	1,700	2,067	1,597
44	44	94.691	3.547,695	41.747,394	11,767	11,297	94	94	497	0,445	0,878	1,970	1,499
45	45	94.305	3.279,120	38.199,699	11,649	11,179	95	95	276	0,230	0,432	1,881	1,411
46	46	93.866	3.029,091	34.920,579	11,528	11,058	96	96	146	0,112	0,202	1,800	1,330
47	47	93.379	2.796,647	31.891,489	11,403	10,933	97	97	73	0,052	0,090	1,726	1,256
48	48	92.848	2.580,740	29.094,842	11,274	10,803	98	98	34	0,023	0,038	1,659	1,189
49	49	92.273	2.380,283	26.514,102	11,139	10,668	99	99	15	0,009	0,015	1,598	1,127
							100	100	6	0,004	0,006	1,542	1,071

Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004

Altersdifferenz zwischen Mann und Frau (x - y) = -1 Jahr

Zinsfuß 7,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	1	99.620	99.620,306	1.362.188,311	13,674	13,203	50	51	91.406	2.188,329	23.960,277	10,949	10,478
1	2	99.130	92.000,272	1.262.568,005	13,724	13,253	51	52	90.701	2.015,255	21.771,949	10,804	10,333
2	3	99.071	85.331,715	1.170.567,733	13,718	13,247	52	53	89.958	1.854,992	19.756,694	10,651	10,180
3	4	99.034	79.164,632	1.085.236,019	13,709	13,238	53	54	89.148	1.706,069	17.901,702	10,493	10,022
4	5	99.003	73.447,766	1.006.071,387	13,698	13,227	54	55	88.280	1.567,934	16.195,633	10,329	9,859
5	6	98.977	68.146,929	932.623,621	13,685	13,215	55	56	87.348	1.439,805	14.627,699	10,159	9,689
6	7	98.954	63.230,922	864.476,692	13,672	13,201	56	57	86.346	1.320,919	13.187,893	9,984	9,513
7	8	98.934	58.671,041	801.245,770	13,657	13,186	57	58	85.288	1.210,882	11.866,974	9,800	9,330
8	9	98.912	54.439,132	742.574,730	13,640	13,170	58	59	84.143	1.108,700	10.656,092	9,611	9,141
9	10	98.894	50.514,285	688.135,598	13,623	13,152	59	60	82.917	1.013,969	9.547,392	9,416	8,945
10	11	98.876	46.872,678	637.621,313	13,603	13,133	60	61	81.594	926,021	8.533,423	9,215	8,744
11	12	98.858	43.493,158	590.748,635	13,583	13,112	61	62	80.221	844,959	7.607,402	9,003	8,533
12	13	98.835	40.355,621	547.255,477	13,561	13,090	62	63	78.759	769,890	6.762,442	8,784	8,313
13	14	98.813	37.444,493	506.899,856	13,537	13,067	63	64	77.170	700,097	5.992,552	8,560	8,089
14	15	98.788	34.742,715	469.455,364	13,512	13,042	64	65	75.498	635,669	5.292,456	8,326	7,855
15	16	98.752	32.232,110	434.712,649	13,487	13,016	65	66	73.700	575,896	4.656,786	8,086	7,615
16	17	98.708	29.900,402	402.480,538	13,461	12,990	66	67	71.753	520,358	4.080,890	7,842	7,372
17	18	98.649	27.733,061	372.580,137	13,435	12,964	67	68	69.665	468,875	3.560,532	7,594	7,123
18	19	98.570	25.717,896	344.847,076	13,409	12,938	68	69	67.393	420,959	3.091,657	7,344	6,874
19	20	98.468	23.843,401	319.129,180	13,384	12,914	69	70	64.960	376,579	2.670,698	7,092	6,621
20	21	98.358	22.103,640	295.285,779	13,359	12,888	70	71	62.388	335,654	2.294,119	6,835	6,364
21	22	98.259	20.493,208	273.182,139	13,330	12,860	71	72	59.626	297,722	1.958,465	6,578	6,108
22	23	98.155	18.999,161	252.688,931	13,300	12,829	72	73	56.707	262,782	1.660,743	6,320	5,849
23	24	98.056	17.614,740	233.689,770	13,267	12,796	73	74	53.596	230,502	1.397,961	6,065	5,594
24	25	97.957	16.331,232	216.075,030	13,231	12,760	74	75	50.345	200,946	1.167,459	5,810	5,339
25	26	97.861	15.141,871	199.743,798	13,191	12,721	75	76	46.958	173,945	966,513	5,556	5,086
26	27	97.762	14.038,570	184.601,926	13,150	12,679	76	77	43.490	149,512	792,569	5,301	4,830
27	28	97.664	13.015,724	170.563,356	13,104	12,634	77	78	39.976	127,548	643,056	5,042	4,571
28	29	97.565	12.067,336	157.547,632	13,056	12,585	78	79	36.388	107,747	515,509	4,784	4,314
29	30	97.465	11.187,876	145.480,296	13,003	12,533	79	80	32.741	89,976	407,761	4,532	4,061
30	31	97.365	10.372,480	134.292,420	12,947	12,476	80	81	29.072	74,147	317,785	4,286	3,815
31	32	97.259	9.615,962	123.919,940	12,887	12,416	81	82	25.411	60,149	243,638	4,051	3,580
32	33	97.147	8.914,109	114.303,978	12,823	12,352	82	83	21.818	47,928	183,490	3,828	3,358
33	34	97.029	8.262,874	105.389,869	12,755	12,284	83	84	18.353	37,417	135,562	3,623	3,152
34	35	96.898	7.658,242	97.126,994	12,683	12,212	84	85	15.158	28,681	98,144	3,422	2,951
35	36	96.756	7.096,994	89.468,752	12,607	12,136	85	86	12.316	21,627	69,463	3,212	2,741
36	37	96.600	6.575,924	82.371,759	12,526	12,056	86	87	9.787	15,951	47,836	2,999	2,528
37	38	96.432	6.092,318	75.795,835	12,441	11,971	87	88	7.490	11,329	31,885	2,815	2,344
38	39	96.248	5.643,342	69.703,517	12,351	11,881	88	89	5.528	7,760	20,557	2,649	2,178
39	40	96.039	5.226,038	64.060,175	12,258	11,787	89	90	3.929	5,119	12,797	2,500	2,029
40	41	95.807	4.838,463	58.834,137	12,160	11,689	90	91	2.696	3,260	7,678	2,355	1,885
41	42	95.548	4.478,288	53.995,674	12,057	11,587	91	92	1.766	1,981	4,418	2,230	1,759
42	43	95.259	4.143,623	49.517,386	11,950	11,480	92	93	1.105	1,150	2,437	2,118	1,648
43	44	94.926	3.832,128	45.373,763	11,840	11,370	93	94	660	0,638	1,287	2,017	1,546
44	45	94.559	3.542,756	41.541,635	11,726	11,255	94	95	376	0,337	0,649	1,924	1,453
45	46	94.155	3.273,919	37.998,879	11,607	11,136	95	96	203	0,169	0,311	1,839	1,368
46	47	93.697	3.023,650	34.724,960	11,484	11,014	96	97	104	0,081	0,142	1,762	1,291
47	48	93.198	2.791,209	31.701,310	11,358	10,887	97	98	51	0,036	0,061	1,691	1,221
48	49	92.651	2.575,269	28.910,101	11,226	10,755	98	99	23	0,015	0,025	1,627	1,156
49	50	92.051	2.374,555	26.334,832	11,090	10,620	99	100	10	0,006	0,010	1,569	1,098
							100	101	4	0,002	0,004	1,515	1,045

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -2 Jahre

Zinsfuß 7,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	2	99.585	99.584,628	1.361.688,639	13,674	13,203	50	52	91.153	2.182,251	23.772,723	10,894	10,423
1	3	99.111	91.982,082	1.262.104,011	13,721	13,251	51	53	90.427	2.009,163	21.590,472	10,746	10,275
2	4	99.054	85.317,068	1.170.121,929	13,715	13,244	52	54	89.674	1.849,134	19.581,309	10,589	10,119
3	5	99.021	79.154,407	1.084.804,861	13,705	13,234	53	55	88.838	1.700,135	17.732,175	10,430	9,959
4	6	98.990	73.438,164	1.005.650,454	13,694	13,223	54	56	87.945	1.561,996	16.032,040	10,264	9,793
5	7	98.968	68.140,650	932.212,290	13,681	13,210	55	57	86.998	1.434,025	14.470,043	10,091	9,620
6	8	98.945	63.225,415	864.071,640	13,667	13,196	56	58	85.961	1.315,024	13.036,018	9,913	9,442
7	9	98.924	58.665,409	800.846,225	13,651	13,180	57	59	84.877	1.205,051	11.720,994	9,727	9,256
8	10	98.906	54.435,614	742.180,816	13,634	13,163	58	60	83.715	1.103,063	10.515,943	9,533	9,063
9	11	98.886	50.510,037	687.745,202	13,616	13,145	59	61	82.461	1.008,387	9.412,880	9,335	8,864
10	12	98.867	46.868,282	637.235,165	13,596	13,126	60	62	81.135	920,810	8.404,492	9,127	8,657
11	13	98.849	43.489,464	590.366,883	13,575	13,104	61	63	79.716	839,642	7.483,682	8,913	8,442
12	14	98.826	40.351,711	546.877,419	13,553	13,082	62	64	78.223	764,654	6.644,040	8,689	8,218
13	15	98.801	37.440,130	506.525,708	13,529	13,058	63	65	76.605	694,977	5.879,386	8,460	7,989
14	16	98.771	34.736,507	469.085,578	13,504	13,033	64	66	74.882	630,478	5.184,409	8,223	7,752
15	17	98.732	32.225,284	434.349,071	13,479	13,008	65	67	73.032	570,680	4.553,932	7,980	7,509
16	18	98.687	29.893,823	402.123,787	13,452	12,981	66	68	71.024	515,069	3.983,252	7,733	7,263
17	19	98.620	27.725,085	372.229,964	13,426	12,955	67	69	68.868	463,512	3.468,183	7,482	7,012
18	20	98.543	25.710,766	344.504,878	13,399	12,929	68	70	66.533	415,589	3.004,671	7,230	6,759
19	21	98.437	23.835,870	318.794,112	13,375	12,904	69	71	64.037	371,227	2.589,082	6,974	6,504
20	22	98.334	22.098,232	294.958,242	13,348	12,877	70	72	61.377	330,212	2.217,855	6,716	6,246
21	23	98.233	20.487,660	272.860,010	13,318	12,848	71	73	58.551	292,354	1.887,643	6,457	5,986
22	24	98.130	18.994,204	252.372,350	13,287	12,816	72	74	55.552	257,429	1.595,289	6,197	5,726
23	25	98.029	17.609,955	233.378,146	13,253	12,782	73	75	52.376	225,255	1.337,860	5,939	5,469
24	26	97.932	16.327,213	215.768,191	13,215	12,745	74	76	49.040	195,736	1.112,605	5,684	5,214
25	27	97.834	15.137,632	199.440,978	13,175	12,705	75	77	45.598	168,909	916,869	5,428	4,958
26	28	97.734	14.034,479	184.303,346	13,132	12,662	76	78	42.075	144,648	747,960	5,171	4,700
27	29	97.635	13.011,860	170.268,867	13,086	12,615	77	79	38.495	122,820	603,312	4,912	4,441
28	30	97.537	12.063,804	157.257,007	13,035	12,565	78	80	34.857	103,215	480,491	4,655	4,185
29	31	97.433	11.184,213	145.193,202	12,982	12,511	79	81	31.146	85,593	377,276	4,408	3,937
30	32	97.330	10.368,775	134.008,989	12,924	12,454	80	82	27.451	70,014	291,683	4,166	3,695
31	33	97.224	9.612,543	123.640,215	12,862	12,392	81	83	23.769	56,262	221,670	3,940	3,469
32	34	97.109	8.910,547	114.027,671	12,797	12,326	82	84	20.254	44,493	165,408	3,718	3,247
33	35	96.983	8.259,001	105.117,124	12,728	12,257	83	85	16.878	34,410	120,915	3,514	3,043
34	36	96.849	7.654,321	96.858,124	12,654	12,183	84	86	13.842	26,191	86,504	3,303	2,832
35	37	96.702	7.092,981	89.203,802	12,576	12,106	85	87	11.074	19,447	60,313	3,101	2,631
36	38	96.541	6.571,891	82.110,822	12,494	12,024	86	88	8.634	14,070	40,867	2,904	2,434
37	39	96.365	6.088,056	75.538,931	12,408	11,937	87	89	6.505	9,839	26,796	2,724	2,253
38	40	96.171	5.638,826	69.450,874	12,317	11,846	88	90	4.709	6,610	16,957	2,566	2,095
39	41	95.955	5.221,491	63.812,048	12,221	11,750	89	91	3.287	4,282	10,348	2,416	1,946
40	42	95.713	4.833,680	58.590,557	12,121	11,651	90	92	2.191	2,649	6,066	2,290	1,819
41	43	95.440	4.473,252	53.756,877	12,017	11,547	91	93	1.403	1,574	3,417	2,170	1,700
42	44	95.135	4.138,245	49.283,625	11,909	11,439	92	94	857	0,893	1,842	2,064	1,593
43	45	94.793	3.826,793	45.145,381	11,797	11,327	93	95	500	0,483	0,950	1,967	1,496
44	46	94.409	3.537,137	41.318,588	11,681	11,211	94	96	277	0,249	0,467	1,878	1,408
45	47	93.986	3.268,039	37.781,450	11,561	11,090	95	97	146	0,121	0,218	1,798	1,327
46	48	93.515	3.017,770	34.513,411	11,437	10,966	96	98	73	0,056	0,097	1,724	1,253
47	49	93.000	2.785,291	31.495,641	11,308	10,837	97	99	34	0,025	0,041	1,657	1,186
48	50	92.428	2.569,071	28.710,349	11,175	10,705	98	100	15	0,010	0,016	1,596	1,125
49	51	91.818	2.368,555	26.141,278	11,037	10,566	99	101	6	0,004	0,006	1,540	1,069
							100	102	2	0,001	0,002	1,489	1,019

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -3 Jahre

Zinsfuß 7,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	3	99.565	99.564,939	1.361.181,406	13,671	13,201	50	53	90.877	2.175,654	23.570,299	10,834	10,363
1	4	99.094	91.966,294	1.261.616,467	13,718	13,248	51	54	90.141	2.002,819	21.394,645	10,682	10,212
2	5	99.041	85.306,048	1.169.650,173	13,711	13,241	52	55	89.362	1.842,703	19.391,827	10,524	10,053
3	6	99.008	79.144,060	1.084.344,125	13,701	13,230	53	56	88.502	1.693,697	17.549,124	10,361	9,891
4	7	98.981	73.431,397	1.005.200,065	13,689	13,218	54	57	87.592	1.555,725	15.855,427	10,192	9,721
5	8	98.959	68.134,715	931.768,668	13,675	13,205	55	58	86.609	1.427,625	14.299,702	10,016	9,546
6	9	98.936	63.219,346	863.633,953	13,661	13,190	56	59	85.547	1.308,691	12.872,077	9,836	9,365
7	10	98.918	58.661,618	800.414,606	13,645	13,174	57	60	84.446	1.198,925	11.563,386	9,645	9,174
8	11	98.897	54.431,037	741.752,989	13,627	13,157	58	61	83.254	1.096,992	10.364,461	9,448	8,977
9	12	98.876	50.505,300	687.321,952	13,609	13,138	59	62	81.997	1.002,713	9.267,469	9,242	8,772
10	13	98.859	46.864,301	636.816,652	13,589	13,118	60	63	80.624	915,016	8.264,756	9,032	8,562
11	14	98.840	43.485,251	589.952,350	13,567	13,096	61	64	79.174	833,931	7.349,740	8,813	8,343
12	15	98.814	40.347,009	546.467,100	13,544	13,074	62	65	77.651	759,062	6.515,809	8,584	8,113
13	16	98.783	37.433,440	506.120,091	13,521	13,050	63	66	75.980	689,301	5.756,747	8,352	7,881
14	17	98.750	34.729,151	468.686,651	13,495	13,025	64	67	74.204	624,768	5.067,446	8,111	7,640
15	18	98.710	32.218,194	433.957,499	13,469	12,999	65	68	72.290	564,879	4.442,679	7,865	7,394
16	19	98.658	29.885,226	401.739,305	13,443	12,972	66	69	70.212	509,177	3.877,799	7,616	7,145
17	20	98.593	27.717,400	371.854,080	13,416	12,945	67	70	67.990	457,599	3.368,622	7,362	6,891
18	21	98.512	25.702,646	344.136,680	13,389	12,918	68	71	65.588	409,682	2.911,023	7,106	6,635
19	22	98.413	23.830,038	318.434,034	13,363	12,892	69	72	62.999	365,208	2.501,342	6,849	6,378
20	23	98.307	22.092,249	294.603,996	13,335	12,865	70	73	60.270	324,259	2.136,133	6,588	6,117
21	24	98.207	20.482,314	272.511,747	13,305	12,834	71	74	57.358	286,398	1.811,874	6,326	5,856
22	25	98.103	18.989,043	252.029,433	13,272	12,802	72	75	54.288	251,569	1.525,476	6,064	5,593
23	26	98.005	17.605,622	233.040,389	13,237	12,766	73	76	51.018	219,415	1.273,907	5,806	5,335
24	27	97.905	16.322,642	215.434,768	13,199	12,728	74	77	47.620	190,069	1.054,492	5,548	5,077
25	28	97.806	15.133,221	199.112,125	13,157	12,687	75	78	44.115	163,414	864,423	5,290	4,819
26	29	97.705	14.030,313	183.978,905	13,113	12,642	76	79	40.516	139,287	701,009	5,033	4,562
27	30	97.607	13.008,052	169.948,591	13,065	12,594	77	80	36.875	117,654	561,721	4,774	4,304
28	31	97.505	12.059,854	156.940,540	13,013	12,543	78	81	33.159	98,187	444,067	4,523	4,052
29	32	97.398	11.180,218	144.880,686	12,959	12,488	79	82	29.410	80,822	345,881	4,280	3,809
30	33	97.295	10.365,088	133.700,467	12,899	12,428	80	83	25.677	65,489	265,059	4,047	3,577
31	34	97.185	9.608,702	123.335,380	12,836	12,365	81	84	22.066	52,230	199,570	3,821	3,350
32	35	97.063	8.906,370	113.726,677	12,769	12,298	82	85	18.626	40,918	147,340	3,601	3,130
33	36	96.934	8.254,772	104.820,308	12,698	12,227	83	86	15.413	31,423	106,422	3,387	2,916
34	37	96.794	7.649,993	96.565,535	12,623	12,152	84	87	12.447	23,551	74,999	3,185	2,714
35	38	96.642	7.088,631	88.915,542	12,543	12,073	85	88	9.769	17,154	51,449	2,999	2,528
36	39	96.474	6.567,294	81.826,911	12,460	11,989	86	89	7.498	12,220	34,294	2,806	2,336
37	40	96.288	6.083,184	75.259,617	12,372	11,901	87	90	5.541	8,380	22,074	2,634	2,163
38	41	96.088	5.633,920	69.176,433	12,279	11,808	88	91	3.939	5,529	13,694	2,477	2,006
39	42	95.860	5.216,330	63.542,512	12,181	11,711	89	92	2.671	3,480	8,165	2,346	1,876
40	43	95.605	4.828,244	58.326,182	12,080	11,610	90	93	1.741	2,105	4,685	2,226	1,755
41	44	95.316	4.467,445	53.497,939	11,975	11,504	91	94	1.089	1,222	2,580	2,112	1,641
42	45	95.003	4.132,484	49.030,494	11,865	11,394	92	95	649	0,676	1,359	2,011	1,540
43	46	94.643	3.820,724	44.898,010	11,751	11,281	93	96	368	0,356	0,683	1,919	1,448
44	47	94.239	3.530,785	41.077,286	11,634	11,163	94	97	199	0,178	0,327	1,834	1,364
45	48	93.804	3.261,684	37.546,501	11,511	11,041	95	98	102	0,085	0,149	1,757	1,287
46	49	93.317	3.011,373	34.284,817	11,385	10,914	96	99	49	0,038	0,064	1,687	1,217
47	50	92.776	2.778,588	31.273,444	11,255	10,784	97	100	22	0,016	0,026	1,624	1,153
48	51	92.195	2.562,580	28.494,856	11,120	10,649	98	101	10	0,006	0,010	1,566	1,095
49	52	91.563	2.361,977	25.932,276	10,979	10,508	99	102	4	0,002	0,004	1,513	1,042
							100	103	1	0,001	0,001	1,464	0,994

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -4 Jahre

Zinsfuß 7,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	4	99.548	99.547,849	1.360.648,451	13,668	13,198	50	54	90.590	2.168,784	23.352,077	10,767	10,297
1	5	99.081	91.954,416	1.261.100,602	13,714	13,244	51	55	89.828	1.995,852	21.183,293	10,614	10,143
2	6	99.028	85.294,897	1.169.146,186	13,707	13,236	52	56	89.024	1.835,725	19.187,440	10,452	9,982
3	7	98.999	79.136,767	1.083.851,289	13,696	13,225	53	57	88.146	1.686,897	17.351,716	10,286	9,816
4	8	98.972	73.425,002	1.004.714,522	13,684	13,213	54	58	87.201	1.548,782	15.664,819	10,114	9,644
5	9	98.949	68.128,175	931.289,520	13,670	13,199	55	59	86.192	1.420,750	14.116,037	9,936	9,465
6	10	98.929	63.215,261	863.161,345	13,654	13,184	56	60	85.112	1.302,038	12.695,287	9,750	9,280
7	11	98.910	58.656,685	799.946,084	13,638	13,167	57	61	83.981	1.192,326	11.393,248	9,555	9,085
8	12	98.888	54.425,932	741.289,399	13,620	13,149	58	62	82.786	1.090,819	10.200,923	9,352	8,881
9	13	98.868	50.501,011	686.863,466	13,601	13,130	59	63	81.481	996,403	9.110,104	9,143	8,672
10	14	98.849	46.859,761	636.362,456	13,580	13,109	60	64	80.076	908,792	8.113,701	8,928	8,457
11	15	98.828	43.480,184	589.502,695	13,558	13,087	61	65	78.595	827,833	7.204,909	8,703	8,233
12	16	98.796	40.339,800	546.022,511	13,536	13,065	62	66	77.017	752,862	6.377,076	8,470	8,000
13	17	98.763	37.425,513	505.682,711	13,512	13,041	63	67	75.292	683,058	5.624,214	8,234	7,763
14	18	98.728	34.721,510	468.257,199	13,486	13,015	64	68	73.449	618,417	4.941,156	7,990	7,519
15	19	98.681	32.208,928	433.535,689	13,460	12,989	65	69	71.463	558,418	4.322,739	7,741	7,270
16	20	98.631	29.876,941	401.326,760	13,433	12,962	66	70	69.316	502,681	3.764,321	7,488	7,018
17	21	98.562	27.708,645	371.449,819	13,406	12,935	67	71	67.023	451,095	3.261,639	7,230	6,760
18	22	98.488	25.696,357	343.741,174	13,377	12,906	68	72	64.524	403,040	2.810,545	6,973	6,503
19	23	98.386	23.823,586	318.044,817	13,350	12,879	69	73	61.863	358,624	2.407,505	6,713	6,243
20	24	98.282	22.086,485	294.221,231	13,321	12,851	70	74	59.042	317,653	2.048,881	6,450	5,979
21	25	98.180	20.476,750	272.134,745	13,290	12,819	71	75	56.053	279,879	1.731,228	6,186	5,715
22	26	98.079	18.984,371	251.657,996	13,256	12,785	72	76	52.880	245,046	1.451,349	5,923	5,452
23	27	97.978	17.600,693	232.673,625	13,220	12,749	73	77	49.542	213,063	1.206,302	5,662	5,191
24	28	97.877	16.317,885	215.072,932	13,180	12,710	74	78	46.071	183,886	993,239	5,401	4,931
25	29	97.776	15.128,729	198.755,047	13,138	12,667	75	79	42.480	157,358	809,353	5,143	4,673
26	30	97.676	14.026,207	183.626,318	13,092	12,621	76	80	38.812	133,428	651,995	4,886	4,416
27	31	97.575	13.003,792	169.600,111	13,042	12,572	77	81	35.079	111,922	518,567	4,633	4,163
28	32	97.470	12.055,546	156.596,319	12,990	12,519	78	82	31.311	92,713	406,645	4,386	3,915
29	33	97.364	11.176,243	144.540,772	12,933	12,462	79	83	27.509	75,599	313,931	4,153	3,682
30	34	97.256	10.360,946	133.364,530	12,872	12,401	80	84	23.837	60,796	238,333	3,920	3,450
31	35	97.140	9.604,198	123.003,584	12,807	12,337	81	85	20.293	48,033	177,536	3,696	3,225
32	36	97.013	8.901,810	113.399,386	12,739	12,268	82	86	17.009	37,365	129,504	3,466	2,995
33	37	96.879	8.250,105	104.497,576	12,666	12,196	83	87	13.859	28,255	92,138	3,261	2,790
34	38	96.735	7.645,302	96.247,472	12,589	12,118	84	88	10.980	20,775	63,884	3,075	2,604
35	39	96.575	7.083,672	88.602,170	12,508	12,037	85	89	8.484	14,898	43,109	2,894	2,423
36	40	96.396	6.562,039	81.518,497	12,423	11,952	86	90	6.387	10,409	28,211	2,710	2,240
37	41	96.204	6.077,892	74.956,459	12,333	11,862	87	91	4.635	7,010	17,802	2,539	2,069
38	42	95.993	5.628,351	68.878,566	12,238	11,767	88	92	3.201	4,493	10,792	2,402	1,931
39	43	95.753	5.210,463	63.250,215	12,139	11,668	89	93	2.122	2,765	6,299	2,278	1,807
40	44	95.481	4.821,977	58.039,752	12,037	11,566	90	94	1.351	1,633	3,534	2,164	1,693
41	45	95.184	4.461,226	53.217,775	11,929	11,458	91	95	824	0,925	1,901	2,055	1,585
42	46	94.852	4.125,930	48.756,549	11,817	11,346	92	96	478	0,498	0,976	1,959	1,489
43	47	94.473	3.813,862	44.630,619	11,702	11,232	93	97	264	0,255	0,478	1,872	1,401
44	48	94.056	3.523,919	40.816,757	11,583	11,112	94	98	138	0,124	0,223	1,792	1,321
45	49	93.605	3.254,769	37.292,838	11,458	10,987	95	99	69	0,057	0,098	1,719	1,248
46	50	93.092	3.004,125	34.038,069	11,330	10,860	96	100	32	0,025	0,041	1,652	1,181
47	51	92.542	2.771,568	31.033,944	11,197	10,727	97	101	14	0,010	0,016	1,592	1,121
48	52	91.939	2.555,463	28.262,376	11,060	10,589	98	102	6	0,004	0,006	1,536	1,066
49	53	91.287	2.354,836	25.706,913	10,917	10,446	99	103	2	0,001	0,002	1,486	1,015
							100	104	1	0,000	0,001	1,440	0,969

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -5 Jahre

Zinsfuß 7,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	5	99.535	99.534,992	1.360.084,647	13,664	13,194	50	55	90.275	2.161,241	23.116,800	10,696	10,225
1	6	99.068	91.942,395	1.260.549,655	13,710	13,240	51	56	89.487	1.988,294	20.955,660	10,539	10,069
2	7	99.019	85.287,037	1.168.607,260	13,702	13,231	52	57	88.666	1.828,355	18.967,266	10,374	9,903
3	8	98.990	79.129,875	1.083.320,223	13,690	13,220	53	58	87.753	1.679,368	17.138,911	10,206	9,735
4	9	98.963	73.417,954	1.004.190,347	13,678	13,207	54	59	86.781	1.541,324	15.459,542	10,030	9,559
5	10	98.943	68.123,773	930.772,393	13,663	13,192	55	60	85.754	1.413,527	13.918,219	9,846	9,376
6	11	98.921	63.209,945	862.648,621	13,647	13,177	56	61	84.644	1.294,872	12.504,692	9,657	9,186
7	12	98.900	58.651,184	799.438,676	13,630	13,160	57	62	83.508	1.185,616	11.209,820	9,455	8,984
8	13	98.880	54.421,310	740.787,491	13,612	13,141	58	63	82.265	1.083,954	10.024,204	9,248	8,777
9	14	98.858	50.496,118	686.366,181	13,592	13,122	59	64	80.926	989,626	8.940,250	9,034	8,563
10	15	98.838	46.854,300	635.870,064	13,571	13,101	60	65	79.490	902,146	7.950,624	8,813	8,342
11	16	98.811	43.472,415	589.015,763	13,549	13,079	61	66	77.953	821,071	7.048,478	8,584	8,114
12	17	98.775	40.331,257	545.543,348	13,527	13,056	62	67	76.320	746,044	6.227,407	8,347	7,877
13	18	98.741	37.417,278	505.212,091	13,502	13,031	63	68	74.526	676,115	5.481,362	8,107	7,636
14	19	98.700	34.711,524	467.794,813	13,477	13,006	64	69	72.609	611,344	4.805,248	7,860	7,389
15	20	98.654	32.200,000	433.083,289	13,450	12,979	65	70	70.552	551,294	4.193,904	7,607	7,137
16	21	98.600	29.867,505	400.883,289	13,422	12,951	66	71	68.331	495,536	3.642,610	7,351	6,880
17	22	98.538	27.701,865	371.015,784	13,393	12,923	67	72	65.937	443,771	3.147,074	7,091	6,621
18	23	98.461	25.689,400	343.313,919	13,364	12,893	68	73	63.361	395,773	2.703,292	6,830	6,360
19	24	98.361	23.817,371	317.624,519	13,336	12,865	69	74	60.603	351,318	2.307,519	6,568	6,098
20	25	98.255	22.080,485	293.807,148	13,306	12,836	70	75	57.698	310,423	1.956,201	6,302	5,831
21	26	98.156	20.471,711	271.726,663	13,273	12,803	71	76	54.600	272,623	1.645,778	6,037	5,566
22	27	98.052	18.979,056	251.254,952	13,239	12,768	72	77	51.349	237,953	1.373,156	5,771	5,300
23	28	97.949	17.595,563	232.275,896	13,201	12,730	73	78	47.930	206,132	1.135,203	5,507	5,037
24	29	97.847	16.313,042	214.680,333	13,160	12,689	74	79	44.363	177,071	929,071	5,247	4,776
25	30	97.748	15.124,301	198.367,291	13,116	12,645	75	80	40.693	150,738	752,000	4,989	4,518
26	31	97.644	14.021,614	183.242,991	13,069	12,598	76	81	36.921	126,928	601,262	4,737	4,266
27	32	97.540	12.999,147	169.221,376	13,018	12,547	77	82	33.124	105,683	474,334	4,488	4,018
28	33	97.435	12.051,260	156.222,229	12,963	12,492	78	83	29.287	86,722	368,650	4,251	3,780
29	34	97.325	11.171,777	144.170,969	12,905	12,434	79	84	25.538	70,181	281,928	4,017	3,546
30	35	97.211	10.356,089	132.999,192	12,843	12,372	80	85	21.922	55,910	211,747	3,787	3,317
31	36	97.090	9.599,281	122.643,104	12,776	12,306	81	86	18.531	43,862	155,837	3,553	3,082
32	37	96.958	8.896,776	113.043,823	12,706	12,235	82	87	15.294	33,598	111,974	3,333	2,862
33	38	96.820	8.245,045	104.147,047	12,631	12,161	83	88	12.225	24,924	78,376	3,145	2,674
34	39	96.667	7.639,954	95.902,001	12,553	12,082	84	89	9.535	18,042	53,452	2,963	2,492
35	40	96.497	7.078,004	88.262,047	12,470	11,999	85	90	7.226	12,690	35,410	2,790	2,320
36	41	96.313	6.556,330	81.184,044	12,383	11,912	86	91	5.343	8,707	22,720	2,609	2,139
37	42	96.109	6.071,884	74.627,714	12,291	11,820	87	92	3.766	5,697	14,012	2,460	1,989
38	43	95.885	5.622,021	68.555,830	12,194	11,723	88	93	2.543	3,570	8,316	2,329	1,859
39	44	95.628	5.203,700	62.933,808	12,094	11,623	89	94	1.647	2,146	4,746	2,212	1,741
40	45	95.348	4.815,264	57.730,108	11,989	11,518	90	95	1.022	1,236	2,600	2,103	1,633
41	46	95.033	4.454,151	52.914,844	11,880	11,409	91	96	608	0,682	1,364	2,001	1,530
42	47	94.682	4.118,520	48.460,693	11,767	11,296	92	97	343	0,357	0,682	1,909	1,439
43	48	94.289	3.806,445	44.342,173	11,649	11,179	93	98	184	0,178	0,325	1,826	1,356
44	49	93.857	3.516,448	40.535,728	11,527	11,057	94	99	94	0,084	0,147	1,750	1,280
45	50	93.379	3.246,936	37.019,280	11,401	10,931	95	100	45	0,037	0,063	1,681	1,210
46	51	92.857	2.996,535	33.772,344	11,270	10,800	96	101	20	0,016	0,026	1,618	1,147
47	52	92.285	2.763,870	30.775,809	11,135	10,664	97	102	9	0,006	0,010	1,560	1,090
48	53	91.661	2.547,737	28.011,938	10,995	10,524	98	103	3	0,002	0,004	1,508	1,037
49	54	90.998	2.347,401	25.464,201	10,848	10,377	99	104	1	0,001	0,001	1,460	0,989
							100	105	0	0,000	0,000	1,417	0,946

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -6 Jahre

Zinsfuß 7,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	6	99.522	99.521,980	1.359.482,708	13,660	13,189	50	56	89.933	2.153,056	22.863,566	10,619	10,148
1	7	99.059	91.933,923	1.259.960,727	13,705	13,234	51	57	89.128	1.980,312	20.710,510	10,458	9,988
2	8	99.010	85.279,610	1.168.026,804	13,696	13,226	52	58	88.271	1.820,195	18.730,198	10,290	9,820
3	9	98.981	79.122,279	1.082.747,194	13,684	13,214	53	59	87.330	1.671,281	16.910,004	10,118	9,647
4	10	98.956	73.413,210	1.003.624,915	13,671	13,200	54	60	86.340	1.533,488	15.238,722	9,937	9,467
5	11	98.935	68.118,044	930.211,705	13,656	13,185	55	61	85.282	1.405,747	13.705,234	9,749	9,279
6	12	98.912	63.204,017	862.093,661	13,640	13,169	56	62	84.167	1.287,585	12.299,488	9,552	9,082
7	13	98.892	58.646,203	798.889,643	13,622	13,152	57	63	82.983	1.178,155	11.011,903	9,347	8,876
8	14	98.870	54.416,037	740.243,440	13,603	13,133	58	64	81.705	1.076,581	9.833,748	9,134	8,664
9	15	98.847	50.490,234	685.827,403	13,583	13,113	59	65	80.335	982,389	8.757,166	8,914	8,443
10	16	98.820	46.845,929	635.337,170	13,562	13,092	60	66	78.841	894,778	7.774,778	8,689	8,218
11	17	98.790	43.463,209	588.491,241	13,540	13,069	61	67	77.247	813,635	6.880,000	8,456	7,985
12	18	98.754	40.322,383	545.028,032	13,517	13,046	62	68	75.544	738,461	6.066,364	8,215	7,744
13	19	98.712	37.406,518	504.705,649	13,492	13,022	63	69	73.674	668,382	5.327,904	7,971	7,501
14	20	98.672	34.701,902	467.299,131	13,466	12,995	64	70	71.683	603,544	4.659,522	7,720	7,250
15	21	98.623	32.189,829	432.597,229	13,439	12,968	65	71	69.549	543,458	4.055,978	7,463	6,993
16	22	98.576	29.860,197	400.407,400	13,409	12,939	66	72	67.223	487,503	3.512,520	7,205	6,734
17	23	98.511	27.694,365	370.547,203	13,380	12,909	67	73	64.748	435,780	3.025,017	6,942	6,471
18	24	98.435	25.682,697	342.852,837	13,350	12,879	68	74	62.070	387,711	2.589,237	6,678	6,208
19	25	98.334	23.810,900	317.170,140	13,320	12,850	69	75	59.223	343,321	2.201,527	6,412	5,942
20	26	98.231	22.075,052	293.359,240	13,289	12,819	70	76	56.202	302,374	1.858,205	6,145	5,675
21	27	98.129	20.465,980	271.284,189	13,255	12,785	71	77	53.019	264,731	1.555,831	5,877	5,406
22	28	98.023	18.973,525	250.818,209	13,219	12,749	72	78	49.679	230,212	1.291,100	5,608	5,138
23	29	97.920	17.590,341	231.844,684	13,180	12,710	73	79	46.153	198,492	1.060,889	5,345	4,874
24	30	97.819	16.308,267	214.254,343	13,138	12,667	74	80	42.497	169,622	862,397	5,084	4,614
25	31	97.716	15.119,349	197.946,076	13,092	12,622	75	81	38.711	143,395	692,775	4,831	4,361
26	32	97.610	14.016,606	182.826,728	13,044	12,573	76	82	34.863	119,853	549,379	4,584	4,113
27	33	97.505	12.994,525	168.810,122	12,991	12,520	77	83	30.983	98,854	429,527	4,345	3,874
28	34	97.396	12.046,444	155.815,597	12,935	12,464	78	84	27.188	80,508	330,673	4,107	3,637
29	35	97.279	11.166,539	143.769,153	12,875	12,404	79	85	23.486	64,542	250,165	3,876	3,405
30	36	97.161	10.350,787	132.602,613	12,811	12,340	80	86	20.018	51,056	185,624	3,636	3,165
31	37	97.035	9.593,853	122.251,827	12,743	12,272	81	87	16.663	39,440	134,568	3,412	2,941
32	38	96.899	8.891,321	112.657,974	12,671	12,200	82	88	13.492	29,638	95,127	3,210	2,739
33	39	96.752	8.239,278	103.766,653	12,594	12,123	83	89	10.617	21,646	65,489	3,025	2,555
34	40	96.590	7.633,840	95.527,375	12,514	12,043	84	90	8.122	15,368	43,843	2,853	2,382
35	41	96.413	7.071,846	87.893,535	12,429	11,958	85	91	6.045	10,616	28,476	2,682	2,212
36	42	96.217	6.549,849	80.821,689	12,339	11,869	86	92	4.341	7,075	17,860	2,524	2,054
37	43	96.001	6.065,055	74.271,840	12,246	11,775	87	93	2.993	4,527	10,785	2,382	1,912
38	44	95.760	5.614,724	68.206,785	12,148	11,677	88	94	1.974	2,770	6,258	2,259	1,788
39	45	95.495	5.196,456	62.592,061	12,045	11,574	89	95	1.247	1,624	3,487	2,147	1,677
40	46	95.197	4.807,627	57.395,605	11,938	11,468	90	96	754	0,911	1,863	2,045	1,574
41	47	94.862	4.446,151	52.587,978	11,828	11,357	91	97	436	0,489	0,952	1,947	1,477
42	48	94.498	4.110,511	48.141,826	11,712	11,241	92	98	239	0,249	0,463	1,861	1,390
43	49	94.089	3.798,376	44.031,316	11,592	11,121	93	99	124	0,120	0,214	1,782	1,312
44	50	93.631	3.507,985	40.232,940	11,469	10,998	94	100	61	0,055	0,094	1,710	1,240
45	51	93.144	3.238,732	36.724,955	11,339	10,869	95	101	29	0,024	0,039	1,645	1,174
46	52	92.599	2.988,213	33.486,222	11,206	10,735	96	102	13	0,010	0,015	1,585	1,114
47	53	92.006	2.755,514	30.498,009	11,068	10,597	97	103	5	0,004	0,006	1,530	1,060
48	54	91.371	2.539,693	27.742,495	10,924	10,453	98	104	2	0,001	0,002	1,481	1,010
49	55	90.682	2.339,236	25.202,802	10,774	10,303	99	105	1	0,000	0,001	1,435	0,965
							100	106					

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -7 Jahre

Zinsfuß 7,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	7	99.513	99.512,810	1.358.839,541	13,655	13,184	50	57	89.572	2.144,412	22.591,386	10,535	10,064
1	8	99.050	91.925,917	1.259.326,731	13,699	13,229	51	58	88.730	1.971,474	20.446,973	10,371	9,901
2	9	99.001	85.271,424	1.167.400,814	13,690	13,220	52	59	87.846	1.811,429	18.475,500	10,199	9,729
3	10	98.974	79.117,167	1.082.129,390	13,678	13,207	53	60	86.886	1.662,785	16.664,070	10,022	9,551
4	11	98.948	73.407,036	1.003.012,223	13,664	13,193	54	61	85.865	1.525,047	15.001,286	9,837	9,366
5	12	98.925	68.111,656	929.605,187	13,648	13,178	55	62	84.802	1.397,836	13.476,238	9,641	9,170
6	13	98.903	63.198,650	861.493,531	13,632	13,161	56	63	83.638	1.279,482	12.078,402	9,440	8,969
7	14	98.882	58.640,521	798.294,881	13,613	13,143	57	64	82.418	1.170,142	10.798,920	9,229	8,758
8	15	98.859	54.409,696	739.654,361	13,594	13,124	58	65	81.108	1.068,709	9.628,779	9,010	8,539
9	16	98.829	50.481,213	685.244,664	13,574	13,104	59	66	79.679	974,365	8.560,070	8,785	8,315
10	17	98.799	46.836,008	634.763,452	13,553	13,082	60	67	78.127	886,674	7.585,705	8,555	8,085
11	18	98.768	43.453,646	587.927,444	13,530	13,059	61	68	76.462	805,365	6.699,030	8,318	7,847
12	19	98.725	40.310,787	544.473,798	13,507	13,036	62	69	74.680	730,014	5.893,666	8,073	7,603
13	20	98.685	37.396,148	504.163,011	13,482	13,011	63	70	72.734	659,854	5.163,651	7,825	7,355
14	21	98.641	34.690,941	466.766,863	13,455	12,984	64	71	70.664	594,966	4.503,797	7,570	7,099
15	22	98.599	32.181,953	432.075,921	13,426	12,955	65	72	68.421	534,647	3.908,832	7,311	6,840
16	23	98.549	29.852,112	399.893,968	13,396	12,925	66	73	66.011	478,713	3.374,184	7,048	6,578
17	24	98.485	27.687,140	370.041,855	13,365	12,894	67	74	63.429	426,902	2.895,471	6,783	6,312
18	25	98.409	25.675,720	342.354,716	13,334	12,863	68	75	60.657	378,886	2.468,568	6,515	6,045
19	26	98.310	23.805,041	316.678,996	13,303	12,832	69	76	57.688	334,420	2.089,683	6,249	5,778
20	27	98.203	22.068,872	292.873,955	13,271	12,800	70	77	54.575	293,621	1.755,263	5,978	5,507
21	28	98.100	20.460,016	270.805,083	13,236	12,765	71	78	51.294	256,118	1.461,642	5,707	5,236
22	29	97.994	18.967,893	250.345,068	13,198	12,728	72	79	47.838	221,679	1.205,524	5,438	4,967
23	30	97.891	17.585,192	231.377,175	13,158	12,687	73	80	44.212	190,142	983,844	5,174	4,704
24	31	97.787	16.302,927	213.791,983	13,114	12,643	74	81	40.427	161,359	793,702	4,919	4,448
25	32	97.681	15.113,948	197.489,056	13,067	12,596	75	82	36.553	135,402	632,343	4,670	4,199
26	33	97.575	14.011,622	182.375,108	13,016	12,545	76	83	32.610	112,107	496,941	4,433	3,962
27	34	97.466	12.989,333	168.363,486	12,962	12,491	77	84	28.763	91,770	384,834	4,193	3,723
28	35	97.351	12.040,797	155.374,153	12,904	12,433	78	85	25.004	74,038	293,064	3,958	3,488
29	36	97.229	11.160,823	143.333,357	12,843	12,372	79	86	21.447	58,938	219,026	3,716	3,246
30	37	97.106	10.344,934	132.172,534	12,777	12,306	80	87	18.000	45,909	160,088	3,487	3,016
31	38	96.976	9.587,969	121.827,600	12,706	12,236	81	88	14.698	34,791	114,179	3,282	2,811
32	39	96.831	8.885,101	112.239,631	12,632	12,162	82	89	11.717	25,740	79,388	3,084	2,614
33	40	96.674	8.232,684	103.354,530	12,554	12,084	83	90	9.044	18,438	53,648	2,910	2,439
34	41	96.506	7.627,199	95.121,845	12,471	12,001	84	91	6.794	12,856	35,211	2,739	2,268
35	42	96.318	7.064,856	87.494,647	12,384	11,914	85	92	4.912	8,626	22,355	2,592	2,121
36	43	96.109	6.542,482	80.429,791	12,293	11,823	86	93	3.450	5,622	13,729	2,442	1,971
37	44	95.876	6.057,183	73.887,309	12,198	11,728	87	94	2.322	3,513	8,106	2,308	1,837
38	45	95.627	5.606,908	67.830,126	12,098	11,627	88	95	1.494	2,097	4,594	2,191	1,720
39	46	95.344	5.188,215	62.223,218	11,993	11,523	89	96	919	1,197	2,497	2,085	1,615
40	47	95.026	4.798,993	57.035,003	11,885	11,414	90	97	541	0,654	1,300	1,988	1,518
41	48	94.678	4.437,505	52.236,010	11,771	11,301	91	98	304	0,341	0,646	1,896	1,426
42	49	94.297	4.101,797	47.798,505	11,653	11,182	92	99	162	0,168	0,305	1,815	1,344
43	50	93.863	3.789,234	43.696,708	11,532	11,061	93	100	82	0,079	0,137	1,740	1,269
44	51	93.394	3.499,122	39.907,474	11,405	10,934	94	101	39	0,035	0,058	1,672	1,201
45	52	92.885	3.229,738	36.408,352	11,273	10,802	95	102	17	0,015	0,023	1,610	1,139
46	53	92.319	2.979,179	33.178,615	11,137	10,666	96	103	7	0,006	0,009	1,553	1,083
47	54	91.715	2.746,814	30.199,436	10,994	10,524	97	104	3	0,002	0,003	1,502	1,031
48	55	91.054	2.530,859	27.452,622	10,847	10,376	98	105	1	0,001	0,001	1,454	0,984
49	56	90.339	2.330,378	24.921,763	10,694	10,224	99	106					
							100	107					

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -8 Jahre

Zinsfuß 7,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	8	99.504	99.504,143	1.358.147,513	13,649	13,178	50	58	89.172	2.134,842	22.299,017	10,445	9,975
1	9	99.041	91.917,093	1.258.643,370	13,693	13,223	51	59	88.303	1.961,980	20.164,176	10,277	9,807
2	10	98.994	85.265,914	1.166.726,277	13,683	13,213	52	60	87.399	1.802,220	18.202,196	10,100	9,629
3	11	98.966	79.110,514	1.081.460,363	13,670	13,200	53	61	86.408	1.653,632	16.399,976	9,918	9,447
4	12	98.939	73.400,152	1.002.349,850	13,656	13,185	54	62	85.382	1.516,465	14.746,343	9,724	9,253
5	13	98.917	68.105,871	928.949,697	13,640	13,169	55	63	84.268	1.389,040	13.229,878	9,524	9,054
6	14	98.894	63.192,526	860.843,826	13,623	13,152	56	64	83.069	1.270,779	11.840,838	9,318	8,847
7	15	98.871	58.633,688	797.651,300	13,604	13,133	57	65	81.816	1.161,584	10.570,059	9,100	8,629
8	16	98.841	54.399,975	739.017,612	13,585	13,114	58	66	80.445	1.059,980	9.408,475	8,876	8,405
9	17	98.808	50.470,522	684.617,637	13,565	13,094	59	67	78.957	965,541	8.348,495	8,646	8,176
10	18	98.777	46.825,703	634.147,115	13,543	13,072	60	68	77.333	877,661	7.382,954	8,412	7,941
11	19	98.740	43.441,149	587.321,412	13,520	13,049	61	69	75.588	796,153	6.505,292	8,171	7,700
12	20	98.698	40.299,613	543.880,263	13,496	13,025	62	70	73.727	720,701	5.709,139	7,922	7,451
13	21	98.654	37.384,336	503.580,650	13,470	13,000	63	71	71.700	650,475	4.988,439	7,669	7,198
14	22	98.617	34.682,453	466.196,314	13,442	12,971	64	72	69.518	585,320	4.337,963	7,411	6,941
15	23	98.572	32.173,240	431.513,860	13,412	12,942	65	73	67.188	525,008	3.752,643	7,148	6,677
16	24	98.523	29.844,324	399.340,620	13,381	12,910	66	74	64.666	468,961	3.227,635	6,883	6,412
17	25	98.459	27.679,618	369.496,296	13,349	12,878	67	75	61.985	417,185	2.758,674	6,613	6,142
18	26	98.385	25.669,402	341.816,678	13,316	12,845	68	76	59.085	369,062	2.341,489	6,344	5,874
19	27	98.282	23.798,376	316.147,276	13,284	12,814	69	77	56.018	324,739	1.972,427	6,074	5,603
20	28	98.175	22.062,440	292.348,900	13,251	12,780	70	78	52.800	284,069	1.647,688	5,800	5,330
21	29	98.071	20.453,943	270.286,460	13,214	12,744	71	79	49.393	246,626	1.363,619	5,529	5,058
22	30	97.965	18.962,341	249.832,517	13,175	12,705	72	80	45.825	212,354	1.116,993	5,260	4,789
23	31	97.859	17.579,434	230.870,176	13,133	12,662	73	81	42.058	180,880	904,639	5,001	4,531
24	32	97.752	16.297,104	213.290,742	13,088	12,617	74	82	38.173	152,364	723,759	4,750	4,280
25	33	97.646	15.108,574	196.993,639	13,039	12,568	75	83	34.191	126,652	571,395	4,512	4,041
26	34	97.536	14.006,023	181.885,065	12,986	12,516	76	84	30.273	104,074	444,743	4,273	3,803
27	35	97.420	12.983,243	167.879,042	12,930	12,460	77	85	26.451	84,395	340,669	4,037	3,566
28	36	97.301	12.034,632	154.895,799	12,871	12,400	78	86	22.833	67,610	256,274	3,790	3,320
29	37	97.174	11.154,512	142.861,167	12,807	12,337	79	87	19.284	52,996	188,664	3,560	3,089
30	38	97.046	10.338,590	131.706,655	12,739	12,269	80	88	15.878	40,497	135,668	3,350	2,879
31	39	96.908	9.581,263	121.368,065	12,667	12,197	81	89	12.765	30,215	95,171	3,150	2,679
32	40	96.754	8.877,991	111.786,802	12,591	12,121	82	90	9.980	21,924	64,956	2,963	2,492
33	41	96.590	8.225,522	102.908,812	12,511	12,040	83	91	7.565	15,424	43,032	2,790	2,319
34	42	96.410	7.619,659	94.683,289	12,426	11,956	84	92	5.521	10,447	27,608	2,643	2,172
35	43	96.210	7.056,910	87.063,630	12,337	11,867	85	93	3.903	6,854	17,161	2,504	2,033
36	44	95.984	6.533,990	80.006,720	12,245	11,774	86	94	2.677	4,363	10,307	2,362	1,892
37	45	95.743	6.048,751	73.472,730	12,147	11,676	87	95	1.758	2,659	5,944	2,236	1,765
38	46	95.475	5.598,015	67.423,979	12,044	11,574	88	96	1.101	1,546	3,285	2,125	1,655
39	47	95.172	5.178,897	61.825,964	11,938	11,467	89	97	659	0,859	1,739	2,026	1,555
40	48	94.841	4.789,661	56.647,067	11,827	11,356	90	98	377	0,455	0,881	1,934	1,463
41	49	94.477	4.428,098	51.857,406	11,711	11,240	91	99	205	0,230	0,425	1,847	1,377
42	50	94.070	4.091,925	47.429,308	11,591	11,120	92	100	106	0,110	0,195	1,770	1,299
43	51	93.626	3.779,660	43.337,383	11,466	10,995	93	101	52	0,050	0,085	1,700	1,229
44	52	93.135	3.489,404	39.557,723	11,337	10,866	94	102	24	0,021	0,035	1,635	1,165
45	53	92.604	3.219,973	36.068,319	11,201	10,731	95	103	10	0,009	0,014	1,576	1,106
46	54	92.028	2.969,772	32.848,346	11,061	10,590	96	104	4	0,003	0,005	1,523	1,052
47	55	91.396	2.737,260	29.878,574	10,916	10,445	97	105	2	0,001	0,002	1,474	1,003
48	56	90.709	2.521,275	27.141,314	10,765	10,294	98	106					
49	57	89.976	2.321,022	24.620,039	10,607	10,137	99	107					
							100	108					

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -9 Jahre

Zinsfuß 7,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	9	99.495	99.494,592	1.357.402,011	13,643	13,172	50	59	88.743	2.124,561	21.985,653	10,348	9,878
1	10	99.034	91.911,153	1.257.907,419	13,686	13,215	51	60	87.854	1.952,005	19.861,092	10,175	9,704
2	11	98.986	85.258,744	1.165.996,266	13,676	13,205	52	61	86.918	1.792,301	17.909,087	9,992	9,522
3	12	98.957	79.103,095	1.080.737,522	13,662	13,192	53	62	85.922	1.644,327	16.116,786	9,801	9,331
4	13	98.930	73.393,919	1.001.634,428	13,647	13,177	54	63	84.845	1.506,922	14.472,459	9,604	9,133
5	14	98.907	68.099,272	928.240,509	13,631	13,160	55	64	83.695	1.379,592	12.965,537	9,398	8,927
6	15	98.882	63.185,163	860.141,236	13,613	13,142	56	65	82.461	1.261,486	11.585,946	9,184	8,714
7	16	98.853	58.623,212	796.956,074	13,595	13,124	57	66	81.147	1.152,097	10.324,459	8,961	8,491
8	17	98.820	54.388,454	738.332,862	13,575	13,105	58	67	79.717	1.050,380	9.172,362	8,732	8,262
9	18	98.787	50.459,417	683.944,408	13,554	13,084	59	68	78.154	955,726	8.121,982	8,498	8,028
10	19	98.749	46.812,237	633.484,990	13,532	13,062	60	69	76.448	867,623	7.166,256	8,260	7,789
11	20	98.712	43.429,107	586.672,753	13,509	13,038	61	70	74.623	785,996	6.298,633	8,014	7,543
12	21	98.667	40.286,884	543.243,647	13,484	13,014	62	71	72.679	710,457	5.512,637	7,759	7,289
13	22	98.630	37.375,190	502.956,763	13,457	12,986	63	72	70.538	639,930	4.802,180	7,504	7,034
14	23	98.590	34.673,063	465.581,573	13,428	12,957	64	73	68.265	574,767	4.162,250	7,242	6,771
15	24	98.546	32.164,846	430.908,510	13,397	12,926	65	74	65.819	514,312	3.587,483	6,975	6,505
16	25	98.496	29.836,216	398.743,664	13,364	12,894	66	75	63.194	458,286	3.073,170	6,706	6,235
17	26	98.434	27.672,807	368.907,448	13,331	12,860	67	76	60.378	406,369	2.614,884	6,435	5,964
18	27	98.357	25.662,216	341.234,641	13,297	12,826	68	77	57.374	358,378	2.208,515	6,163	5,692
19	28	98.254	23.791,441	315.572,426	13,264	12,793	69	78	54.195	314,174	1.850,137	5,889	5,418
20	29	98.145	22.055,891	291.780,985	13,229	12,758	70	79	50.843	273,540	1.535,962	5,615	5,144
21	30	98.042	20.447,955	269.725,093	13,191	12,720	71	80	47.315	236,251	1.262,422	5,344	4,873
22	31	97.933	18.956,132	249.277,138	13,150	12,680	72	81	43.593	202,010	1.026,171	5,080	4,609
23	32	97.824	17.573,155	230.321,006	13,106	12,636	73	82	39.714	170,797	824,161	4,825	4,355
24	33	97.717	16.291,309	212.747,851	13,059	12,588	74	83	35.707	142,518	653,364	4,584	4,114
25	34	97.607	15.102,537	196.456,542	13,008	12,538	75	84	31.741	117,576	510,846	4,345	3,874
26	35	97.490	13.999,457	181.354,006	12,954	12,484	76	85	27.840	95,711	393,270	4,109	3,638
27	36	97.370	12.976,596	167.354,549	12,897	12,426	77	86	24.155	77,068	297,560	3,861	3,390
28	37	97.246	12.027,827	154.377,953	12,835	12,364	78	87	20.531	60,794	220,492	3,627	3,156
29	38	97.115	11.147,671	142.350,125	12,769	12,299	79	88	17.011	46,749	159,699	3,416	2,945
30	39	96.979	10.331,358	131.202,454	12,699	12,229	80	89	13.790	35,171	112,950	3,211	2,741
31	40	96.830	9.573,595	120.871,096	12,625	12,155	81	90	10.873	25,737	77,779	3,022	2,551
32	41	96.670	8.870,267	111.297,501	12,547	12,077	82	91	8.349	18,341	52,042	2,838	2,367
33	42	96.495	8.217,391	102.427,234	12,465	11,994	83	92	6.148	12,533	33,702	2,689	2,218
34	43	96.302	7.611,090	94.209,842	12,378	11,907	84	93	4.387	8,301	21,168	2,550	2,079
35	44	96.085	7.047,750	86.598,753	12,287	11,817	85	94	3.029	5,319	12,867	2,419	1,948
36	45	95.851	6.524,895	79.551,003	12,192	11,721	86	95	2.026	3,302	7,548	2,286	1,815
37	46	95.591	6.039,158	73.026,108	12,092	11,621	87	96	1.296	1,960	4,246	2,166	1,696
38	47	95.304	5.587,961	66.986,950	11,988	11,517	88	97	790	1,109	2,286	2,062	1,592
39	48	94.987	5.168,826	61.398,989	11,879	11,408	89	98	459	0,598	1,178	1,968	1,498
40	49	94.640	4.779,507	56.230,163	11,765	11,294	90	99	255	0,308	0,579	1,882	1,411
41	50	94.250	4.417,441	51.450,656	11,647	11,177	91	100	134	0,151	0,272	1,800	1,329
42	51	93.833	4.081,586	47.033,216	11,523	11,053	92	101	67	0,070	0,121	1,727	1,257
43	52	93.366	3.769,163	42.951,630	11,396	10,925	93	102	32	0,031	0,051	1,661	1,190
44	53	92.853	3.478,855	39.182,466	11,263	10,792	94	103	14	0,013	0,020	1,600	1,129
45	54	92.312	3.209,806	35.703,612	11,123	10,653	95	104	6	0,005	0,008	1,544	1,074
46	55	91.707	2.959,443	32.493,806	10,980	10,509	96	105	2	0,002	0,003	1,494	1,023
47	56	91.050	2.726,894	29.534,363	10,831	10,360	97	106					
48	57	90.345	2.511,153	26.807,469	10,675	10,205	98	107					
49	58	89.574	2.310,663	24.296,316	10,515	10,044	99	108					
							100	109					

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -10 Jahre

Zinsfuß 7,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	10	99.488	99.488,163	1.356.599,598	13,636	13,165	50	60	88.292	2.113,760	21.650,214	10,243	9,772
1	11	99.026	91.903,424	1.257.111,436	13,679	13,208	51	61	87.371	1.941,261	19.536,453	10,064	9,593
2	12	98.977	85.250,748	1.165.208,011	13,668	13,197	52	62	86.429	1.782,215	17.595,192	9,873	9,402
3	13	98.948	79.096,377	1.079.957,263	13,654	13,183	53	63	85.381	1.633,979	15.812,978	9,678	9,207
4	14	98.921	73.386,808	1.000.860,887	13,638	13,167	54	64	84.267	1.496,672	14.178,998	9,474	9,003
5	15	98.896	68.091,337	927.474,079	13,621	13,150	55	65	83.083	1.369,503	12.682,326	9,261	8,790
6	16	98.865	63.173,873	859.382,742	13,603	13,133	56	66	81.788	1.251,183	11.312,823	9,042	8,571
7	17	98.832	58.610,797	796.208,868	13,585	13,114	57	67	80.412	1.141,663	10.061,640	8,813	8,342
8	18	98.798	54.376,488	737.598,072	13,565	13,094	58	68	78.906	1.039,703	8.919,977	8,579	8,109
9	19	98.758	50.444,906	683.221,584	13,544	13,073	59	69	77.260	944,795	7.880,273	8,341	7,870
10	20	98.722	46.799,260	632.776,678	13,521	13,050	60	70	75.473	856,554	6.935,479	8,097	7,626
11	21	98.681	43.415,389	585.977,418	13,497	13,026	61	71	73.563	774,824	6.078,925	7,846	7,375
12	22	98.643	40.277,027	542.562,029	13,471	13,000	62	72	71.501	698,939	5.304,101	7,589	7,118
13	23	98.603	37.365,071	502.285,002	13,443	12,972	63	73	69.266	628,392	4.605,162	7,328	6,858
14	24	98.565	34.664,017	464.919,931	13,412	12,942	64	74	66.874	563,058	3.976,770	7,063	6,592
15	25	98.520	32.156,108	430.255,914	13,380	12,910	65	75	64.321	502,606	3.413,712	6,792	6,321
16	26	98.472	29.828,874	398.099,807	13,346	12,875	66	76	61.556	446,404	2.911,106	6,521	6,051
17	27	98.407	27.665,059	368.270,932	13,312	12,841	67	77	58.630	394,605	2.464,702	6,246	5,775
18	28	98.328	25.654,737	340.605,873	13,277	12,806	68	78	55.508	346,719	2.070,097	5,971	5,500
19	29	98.225	23.784,379	314.951,136	13,242	12,771	69	79	52.187	302,531	1.723,377	5,697	5,226
20	30	98.117	22.049,435	291.166,757	13,205	12,735	70	80	48.704	262,034	1.420,847	5,422	4,952
21	31	98.010	20.441,260	269.117,322	13,165	12,695	71	81	45.010	224,743	1.158,813	5,156	4,686
22	32	97.898	18.949,361	248.676,061	13,123	12,653	72	82	41.163	190,749	934,070	4,897	4,426
23	33	97.790	17.566,906	229.726,700	13,077	12,607	73	83	37.147	159,759	743,322	4,653	4,182
24	34	97.678	16.284,799	212.159,794	13,028	12,557	74	84	33.148	132,305	583,563	4,411	3,940
25	35	97.561	15.095,456	195.874,995	12,976	12,505	75	85	29.190	108,127	451,257	4,173	3,703
26	36	97.440	13.992,289	180.779,539	12,920	12,449	76	86	25.423	87,401	343,130	3,926	3,455
27	37	97.315	12.969,259	166.787,249	12,860	12,390	77	87	21.720	69,298	255,729	3,690	3,220
28	38	97.186	12.020,451	153.817,991	12,796	12,326	78	88	18.111	53,627	186,431	3,476	3,006
29	39	97.047	11.139,874	141.797,539	12,729	12,258	79	89	14.774	40,600	132,804	3,271	2,800
30	40	96.901	10.323,090	130.657,666	12,657	12,186	80	90	11.746	29,958	92,204	3,078	2,607
31	41	96.746	9.565,266	120.334,575	12,580	12,110	81	91	9.096	21,530	62,246	2,891	2,421
32	42	96.574	8.861,499	110.769,309	12,500	12,029	82	92	6.784	14,904	40,716	2,732	2,261
33	43	96.386	8.208,149	101.907,810	12,415	11,945	83	93	4.885	9,959	25,813	2,592	2,121
34	44	96.177	7.601,210	93.699,661	12,327	11,856	84	94	3.404	6,442	15,854	2,461	1,990
35	45	95.951	7.037,939	86.098,450	12,233	11,763	85	95	2.293	4,026	9,412	2,338	1,867
36	46	95.699	6.514,546	79.060,511	12,136	11,665	86	96	1.494	2,434	5,386	2,213	1,742
37	47	95.419	6.028,311	72.545,965	12,034	11,564	87	97	929	1,406	2,952	2,100	1,629
38	48	95.118	5.577,095	66.517,653	11,927	11,456	88	98	550	0,772	1,546	2,002	1,531
39	49	94.786	5.157,868	60.940,558	11,815	11,344	89	99	310	0,404	0,774	1,914	1,443
40	50	94.412	4.768,004	55.782,690	11,699	11,229	90	100	167	0,202	0,369	1,832	1,361
41	51	94.011	4.406,280	51.014,686	11,578	11,107	91	101	85	0,096	0,168	1,755	1,284
42	52	93.572	4.070,250	46.608,407	11,451	10,980	92	102	41	0,043	0,072	1,686	1,215
43	53	93.084	3.757,768	42.538,156	11,320	10,849	93	103	19	0,018	0,029	1,623	1,153
44	54	92.560	3.467,870	38.780,388	11,183	10,712	94	104	8	0,007	0,011	1,566	1,095
45	55	91.991	3.198,642	35.312,518	11,040	10,569	95	105	3	0,003	0,004	1,513	1,043
46	56	91.360	2.948,236	32.113,876	10,893	10,422	96	106					
47	57	90.685	2.715,946	29.165,641	10,739	10,268	97	107					
48	58	89.941	2.499,945	26.449,694	10,580	10,109	98	108					
49	59	89.143	2.299,536	23.949,749	10,415	9,944	99	109					
							100	110					

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -11 Jahre

Zinsfuß 7,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	11	99.480	99.479,797	1.355.732,256	13,628	13,158	50	61	87.806	2.102,126	21.291,357	10,128	9,658
1	12	99.017	91.894,806	1.256.252,460	13,671	13,200	51	62	86.879	1.930,337	19.189,231	9,941	9,470
2	13	98.968	85.243,508	1.164.357,654	13,659	13,189	52	63	85.885	1.770,999	17.258,895	9,745	9,275
3	14	98.939	79.088,713	1.079.114,146	13,644	13,174	53	64	84.800	1.622,865	15.487,895	9,544	9,073
4	15	98.909	73.378,256	1.000.025,433	13,628	13,158	54	65	83.651	1.485,728	13.865,030	9,332	8,861
5	16	98.878	68.079,171	926.647,177	13,611	13,141	55	66	82.405	1.358,318	12.379,302	9,114	8,643
6	17	98.844	63.160,495	858.568,006	13,593	13,123	56	67	81.047	1.239,852	11.020,985	8,889	8,418
7	18	98.810	58.597,901	795.407,511	13,574	13,103	57	68	79.595	1.130,058	9.781,133	8,655	8,185
8	19	98.770	54.360,850	736.809,610	13,554	13,083	58	69	78.004	1.027,811	8.651,075	8,417	7,946
9	20	98.731	50.430,922	682.448,760	13,532	13,062	59	70	76.275	932,741	7.623,263	8,173	7,702
10	21	98.690	46.784,478	632.017,838	13,509	13,038	60	71	74.400	844,379	6.690,522	7,924	7,453
11	22	98.657	43.404,767	585.233,360	13,483	13,012	61	72	72.370	762,262	5.846,143	7,669	7,199
12	23	98.616	40.266,122	541.828,593	13,456	12,986	62	73	70.212	686,338	5.083,881	7,407	6,937
13	24	98.577	37.355,322	501.562,471	13,427	12,956	63	74	67.855	615,591	4.397,543	7,144	6,673
14	25	98.538	34.654,600	464.207,149	13,395	12,925	64	75	65.352	550,242	3.781,953	6,873	6,403
15	26	98.495	32.148,195	429.552,549	13,362	12,891	65	76	62.653	489,575	3.231,711	6,601	6,130
16	27	98.445	29.820,523	397.404,354	13,327	12,856	66	77	59.774	433,482	2.742,136	6,326	5,855
17	28	98.378	27.656,997	367.583,831	13,291	12,820	67	78	56.723	381,768	2.308,655	6,047	5,577
18	29	98.299	25.647,122	339.926,834	13,254	12,783	68	79	53.450	333,869	1.926,887	5,771	5,301
19	30	98.196	23.777,417	314.279,712	13,218	12,747	69	80	49.992	289,804	1.593,018	5,497	5,026
20	31	98.085	22.042,216	290.502,295	13,179	12,709	70	81	46.332	249,269	1.303,214	5,228	4,757
21	32	97.975	20.433,959	268.460,079	13,138	12,667	71	82	42.501	212,215	1.053,945	4,966	4,496
22	33	97.863	18.942,623	248.026,120	13,094	12,623	72	83	38.503	178,422	841,730	4,718	4,247
23	34	97.751	17.559,887	229.083,497	13,046	12,575	73	84	34.485	148,311	663,309	4,472	4,002
24	35	97.632	16.277,165	211.523,610	12,995	12,524	74	85	30.484	121,673	514,998	4,233	3,762
25	36	97.511	15.087,728	195.246,446	12,941	12,470	75	86	26.655	98,739	393,325	3,983	3,513
26	37	97.385	13.984,377	180.158,718	12,883	12,412	76	87	22.860	78,589	294,585	3,748	3,278
27	38	97.256	12.961,306	166.174,340	12,821	12,350	77	88	19.159	61,129	215,996	3,533	3,063
28	39	97.118	12.012,043	153.213,035	12,755	12,284	78	89	15.729	46,574	154,867	3,325	2,855
29	40	96.969	11.130,959	141.200,991	12,685	12,215	79	90	12.584	34,582	108,293	3,131	2,661
30	41	96.817	10.314,109	130.070,033	12,611	12,140	80	91	9.826	25,061	73,710	2,941	2,471
31	42	96.650	9.555,811	119.755,923	12,532	12,062	81	92	7.391	17,495	48,650	2,781	2,310
32	43	96.465	8.851,533	110.200,112	12,450	11,979	82	93	5.391	11,843	31,155	2,631	2,160
33	44	96.261	8.197,495	101.348,580	12,363	11,893	83	94	3.791	7,728	19,312	2,499	2,028
34	45	96.043	7.590,629	93.151,085	12,272	11,801	84	95	2.577	4,875	11,584	2,376	1,905
35	46	95.799	7.026,777	85.560,455	12,176	11,706	85	96	1.690	2,968	6,708	2,260	1,790
36	47	95.527	6.502,846	78.533,678	12,077	11,606	86	97	1.071	1,746	3,740	2,142	1,672
37	48	95.233	6.016,589	72.030,832	11,972	11,501	87	98	648	0,979	1,995	2,037	1,566
38	49	94.917	5.565,272	66.014,243	11,862	11,391	88	99	372	0,522	1,015	1,944	1,474
39	50	94.558	5.145,455	60.448,971	11,748	11,277	89	100	203	0,265	0,493	1,861	1,390
40	51	94.174	4.755,957	55.303,517	11,628	11,158	90	101	106	0,128	0,228	1,784	1,314
41	52	93.750	4.394,042	50.547,560	11,504	11,033	91	102	52	0,059	0,100	1,712	1,241
42	53	93.289	4.057,945	46.153,518	11,374	10,903	92	103	24	0,025	0,042	1,647	1,176
43	54	92.790	3.745,903	42.095,572	11,238	10,767	93	104	11	0,010	0,016	1,588	1,117
44	55	92.238	3.455,808	38.349,670	11,097	10,627	94	105	4	0,004	0,006	1,533	1,063
45	56	91.642	3.186,529	34.893,862	10,950	10,480	95	106					
46	57	90.993	2.936,399	31.707,333	10,798	10,327	96	107					
47	58	90.280	2.703,825	28.770,934	10,641	10,170	97	108					
48	59	89.508	2.487,906	26.067,109	10,478	10,007	98	109					
49	60	88.690	2.287,845	23.579,202	10,306	9,836	99	110					
							100	111					

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -12 Jahre

Zinsfuß 7,75%

Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	12	99.470	99.470,467	1.354.796,824	13,620	13,149	50	62	87.312	2.090,296	20.908,003	10,002	9,532
1	13	99.008	91.887,001	1.255.326,356	13,662	13,191	51	63	86.332	1.918,190	18.817,707	9,810	9,339
2	14	98.959	85.235,249	1.163.439,355	13,650	13,179	52	64	85.301	1.758,953	16.899,517	9,608	9,137
3	15	98.927	79.079,497	1.078.204,107	13,634	13,164	53	65	84.180	1.610,997	15.140,564	9,398	8,928
4	16	98.891	73.365,146	999.124,609	13,619	13,148	54	66	82.968	1.473,593	13.529,566	9,181	8,711
5	17	98.857	68.064,754	925.759,464	13,601	13,130	55	67	81.658	1.346,016	12.055,973	8,957	8,486
6	18	98.822	63.146,598	857.694,710	13,583	13,112	56	68	80.223	1.227,249	10.709,957	8,727	8,256
7	19	98.782	58.581,049	794.548,111	13,563	13,093	57	69	78.685	1.117,133	9.482,709	8,488	8,018
8	20	98.742	54.345,780	735.967,063	13,542	13,072	58	70	77.009	1.014,698	8.365,575	8,244	7,774
9	21	98.700	50.414,993	681.621,282	13,520	13,050	59	71	75.191	919,483	7.350,877	7,995	7,524
10	22	98.666	46.773,031	631.206,289	13,495	13,024	60	72	73.194	830,690	6.431,394	7,742	7,272
11	23	98.630	43.393,015	584.433,257	13,468	12,998	61	73	71.065	748,519	5.600,704	7,482	7,012
12	24	98.590	40.255,616	541.040,242	13,440	12,969	62	74	68.781	672,355	4.852,184	7,217	6,746
13	25	98.551	37.345,173	500.784,626	13,410	12,939	63	75	66.310	601,579	4.179,829	6,948	6,477
14	26	98.514	34.646,072	463.439,452	13,376	12,906	64	76	63.658	535,975	3.578,250	6,676	6,205
15	27	98.468	32.139,195	428.793,380	13,342	12,871	65	77	60.839	475,402	3.042,275	6,399	5,929
16	28	98.416	29.811,833	396.654,185	13,305	12,835	66	78	57.829	419,379	2.566,873	6,121	5,650
17	29	98.349	27.648,788	366.842,353	13,268	12,797	67	79	54.620	367,619	2.147,494	5,842	5,371
18	30	98.270	25.639,615	339.193,565	13,229	12,759	68	80	51.202	319,825	1.779,875	5,565	5,094
19	31	98.164	23.769,632	313.553,950	13,191	12,721	69	81	47.556	275,687	1.460,051	5,296	4,825
20	32	98.050	22.034,342	289.784,318	13,151	12,681	70	82	43.749	235,374	1.184,364	5,032	4,561
21	33	97.940	20.426,693	267.749,976	13,108	12,637	71	83	39.755	198,500	948,990	4,781	4,310
22	34	97.824	18.935,054	247.323,283	13,062	12,591	72	84	35.744	165,636	750,490	4,531	4,060
23	35	97.705	17.551,654	228.388,229	13,012	12,542	73	85	31.714	136,393	584,854	4,288	3,817
24	36	97.582	16.268,831	210.836,574	12,960	12,489	74	86	27.837	111,109	448,461	4,036	3,566
25	37	97.456	15.079,197	194.567,743	12,903	12,432	75	87	23.968	88,785	337,352	3,800	3,329
26	38	97.325	13.975,802	179.488,547	12,843	12,372	76	88	20.165	69,325	248,567	3,586	3,115
27	39	97.188	12.952,239	165.512,745	12,779	12,308	77	89	16.639	53,089	179,242	3,376	2,906
28	40	97.040	12.002,430	152.560,505	12,711	12,240	78	90	13.397	39,670	126,153	3,180	2,709
29	41	96.885	11.121,275	140.558,075	12,639	12,168	79	91	10.527	28,929	86,482	2,989	2,519
30	42	96.721	10.303,914	129.436,800	12,562	12,091	80	92	7.985	20,364	57,553	2,826	2,355
31	43	96.542	9.545,064	119.132,886	12,481	12,010	81	93	5.873	13,902	37,188	2,675	2,204
32	44	96.340	8.840,043	109.587,822	12,397	11,926	82	94	4.183	9,190	23,287	2,534	2,063
33	45	96.127	8.186,084	100.747,779	12,307	11,837	83	95	2.869	5,849	14,097	2,410	1,939
34	46	95.891	7.578,591	92.561,695	12,214	11,743	84	96	1.900	3,594	8,248	2,295	1,824
35	47	95.627	7.014,157	84.983,104	12,116	11,645	85	97	1.212	2,128	4,653	2,186	1,715
36	48	95.341	6.490,201	77.968,947	12,013	11,543	86	98	746	1,216	2,525	2,076	1,605
37	49	95.032	6.003,834	71.478,747	11,906	11,435	87	99	438	0,662	1,308	1,976	1,505
38	50	94.688	5.551,878	65.474,913	11,793	11,323	88	100	244	0,342	0,646	1,889	1,419
39	51	94.319	5.132,454	59.923,035	11,675	11,205	89	101	129	0,168	0,304	1,811	1,340
40	52	93.912	4.742,748	54.790,581	11,552	11,082	90	102	65	0,078	0,136	1,739	1,268
41	53	93.467	4.380,758	50.047,833	11,424	10,954	91	103	31	0,035	0,058	1,670	1,200
42	54	92.995	4.045,132	45.667,075	11,289	10,819	92	104	14	0,014	0,023	1,609	1,139
43	55	92.467	3.732,874	41.621,943	11,150	10,679	93	105	6	0,006	0,009	1,553	1,083
44	56	91.889	3.442,721	37.889,069	11,006	10,535	94	106					
45	57	91.274	3.173,736	34.446,348	10,854	10,383	95	107					
46	58	90.587	2.923,294	31.272,612	10,698	10,227	96	108					
47	59	89.845	2.690,804	28.349,318	10,536	10,065	97	109					
48	60	89.053	2.475,258	25.658,514	10,366	9,895	98	110					
49	61	88.202	2.275,252	23.183,255	10,189	9,719	99	111					
							100	112					

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -13 Jahre

Zinsfuß 7,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	13	99.462	99.462,020	1.353.788,876	13,611	13,140	50	63	86.762	2.077,142	20.498,322	9,869	9,398
1	14	98.999	91.878,098	1.254.326,856	13,652	13,181	51	64	85.745	1.905,142	18.421,179	9,669	9,199
2	15	98.947	85.225,317	1.162.448,758	13,640	13,169	52	65	84.677	1.746,090	16.516,037	9,459	8,988
3	16	98.910	79.065,368	1.077.223,441	13,624	13,154	53	66	83.493	1.597,840	14.769,947	9,244	8,773
4	17	98.871	73.349,609	998.158,073	13,608	13,138	54	67	82.217	1.460,247	13.172,107	9,020	8,550
5	18	98.836	68.049,778	924.808,465	13,590	13,120	55	68	80.828	1.332,334	11.711,860	8,790	8,320
6	19	98.794	63.128,438	856.758,686	13,572	13,101	56	69	79.306	1.213,212	10.379,526	8,555	8,085
7	20	98.755	58.564,810	793.630,248	13,551	13,081	57	70	77.681	1.102,881	9.166,314	8,311	7,841
8	21	98.711	54.328,615	735.065,439	13,530	13,059	58	71	75.914	1.000,276	8.063,433	8,061	7,591
9	22	98.675	50.402,658	680.736,824	13,506	13,035	59	72	73.972	904,576	7.063,157	7,808	7,338
10	23	98.639	46.760,368	630.334,165	13,480	13,009	60	73	71.874	815,713	6.158,581	7,550	7,079
11	24	98.604	43.381,694	583.573,797	13,452	12,981	61	74	69.617	733,270	5.342,868	7,286	6,816
12	25	98.563	40.244,680	540.192,103	13,423	12,952	62	75	67.216	657,051	4.609,597	7,016	6,545
13	26	98.526	37.335,984	499.947,424	13,390	12,920	63	76	64.591	585,981	3.952,546	6,745	6,275
14	27	98.486	34.636,373	462.611,440	13,356	12,886	64	77	61.815	520,460	3.366,565	6,468	5,998
15	28	98.439	32.129,829	427.975,067	13,320	12,850	65	78	58.860	459,936	2.846,105	6,188	5,717
16	29	98.387	29.802,984	395.845,238	13,282	12,811	66	79	55.686	403,836	2.386,169	5,909	5,438
17	30	98.320	27.640,695	366.042,255	13,243	12,772	67	80	52.323	352,154	1.982,333	5,629	5,158
18	31	98.238	25.631,220	338.401,560	13,203	12,732	68	81	48.708	304,245	1.630,178	5,358	4,887
19	32	98.129	23.761,141	312.770,340	13,163	12,692	69	82	44.905	260,319	1.325,934	5,094	4,623
20	33	98.015	22.026,507	289.009,199	13,121	12,650	70	83	40.922	220,163	1.065,615	4,840	4,369
21	34	97.901	20.418,531	266.982,691	13,076	12,605	71	84	36.906	184,276	845,452	4,588	4,117
22	35	97.778	18.926,177	246.564,160	13,028	12,557	72	85	32.871	152,326	661,176	4,341	3,870
23	36	97.655	17.542,669	227.637,983	12,976	12,506	73	86	28.961	124,550	508,850	4,085	3,615
24	37	97.527	16.259,632	210.095,315	12,921	12,451	74	87	25.031	99,907	384,300	3,847	3,376
25	38	97.397	15.069,950	193.835,683	12,862	12,392	75	88	21.143	78,319	284,393	3,631	3,161
26	39	97.257	13.966,026	178.765,733	12,800	12,329	76	89	17.513	60,207	206,073	3,423	2,952
27	40	97.110	12.941,874	164.799,707	12,734	12,263	77	90	14.173	45,220	145,866	3,226	2,755
28	41	96.956	11.991,988	151.857,833	12,663	12,193	78	91	11.207	33,186	100,646	3,033	2,562
29	42	96.789	11.110,282	139.865,845	12,589	12,118	79	92	8.554	23,508	67,460	2,870	2,399
30	43	96.612	10.292,326	128.755,563	12,510	12,039	80	93	6.345	16,182	43,952	2,716	2,246
31	44	96.416	9.532,674	118.463,238	12,427	11,956	81	94	4.558	10,788	27,771	2,574	2,104
32	45	96.206	8.827,738	108.930,564	12,340	11,869	82	95	3.166	6,955	16,983	2,442	1,971
33	46	95.975	8.173,101	100.102,826	12,248	11,777	83	96	2.115	4,312	10,027	2,325	1,855
34	47	95.718	7.564,980	91.929,725	12,152	11,681	84	97	1.362	2,578	5,715	2,217	1,746
35	48	95.441	7.000,517	84.364,745	12,051	11,581	85	98	845	1,483	3,137	2,116	1,645
36	49	95.139	6.476,442	77.364,228	11,945	11,475	86	99	505	0,822	1,654	2,012	1,541
37	50	94.803	5.989,384	70.887,786	11,836	11,365	87	100	287	0,434	0,832	1,918	1,448
38	51	94.449	5.537,850	64.898,402	11,719	11,248	88	101	154	0,217	0,398	1,837	1,366
39	52	94.057	5.118,200	59.360,552	11,598	11,127	89	102	79	0,103	0,181	1,763	1,293
40	53	93.628	4.728,410	54.242,352	11,472	11,001	90	103	38	0,046	0,079	1,696	1,225
41	54	93.172	4.366,926	49.513,942	11,338	10,868	91	104	18	0,020	0,032	1,631	1,160
42	55	92.671	4.031,062	45.147,016	11,200	10,729	92	105	8	0,008	0,012	1,573	1,103
43	56	92.117	3.718,738	41.115,954	11,056	10,586	93	106					
44	57	91.520	3.428,900	37.397,216	10,906	10,436	94	107					
45	58	90.867	3.159,571	33.968,317	10,751	10,280	95	108					
46	59	90.151	2.909,216	30.808,745	10,590	10,119	96	109					
47	60	89.388	2.677,125	27.899,529	10,421	9,951	97	110					
48	61	88.563	2.461,634	25.222,404	10,246	9,776	98	111					
49	62	87.705	2.262,449	22.760,770	10,060	9,590	99	112					
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -14 Jahre

Zinsfuß 7,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	14	99.452	99.452,383	1.352.701,670	13,602	13,131	50	64	86.172	2.063,014	20.061,588	9,724	9,254
1	15	98.987	91.867,392	1.253.249,287	13,642	13,171	51	65	85.118	1.891,210	17.998,574	9,517	9,046
2	16	98.929	85.210,089	1.161.381,895	13,630	13,159	52	66	83.985	1.731,829	16.107,364	9,301	8,830
3	17	98.889	79.048,624	1.076.171,806	13,614	13,143	53	67	82.737	1.583,369	14.375,534	9,079	8,608
4	18	98.849	73.333,470	997.123,182	13,597	13,126	54	68	81.381	1.445,404	12.792,165	8,850	8,380
5	19	98.807	68.030,208	923.789,711	13,579	13,108	55	69	79.904	1.317,095	11.346,762	8,615	8,144
6	20	98.766	63.110,938	855.759,503	13,560	13,089	56	70	78.294	1.197,734	10.029,667	8,374	7,903
7	21	98.723	58.546,312	792.648,565	13,539	13,068	57	71	76.577	1.087,205	8.831,933	8,124	7,653
8	22	98.687	54.315,322	734.102,253	13,516	13,045	58	72	74.683	984,059	7.744,728	7,870	7,400
9	23	98.649	50.389,012	679.786,931	13,491	13,020	59	73	72.638	888,268	6.760,669	7,611	7,140
10	24	98.614	46.748,168	629.397,919	13,464	12,993	60	74	70.410	799,095	5.872,401	7,349	6,878
11	25	98.578	43.369,908	582.649,751	13,434	12,964	61	75	68.033	716,580	5.073,306	7,080	6,609
12	26	98.539	40.234,777	539.279,843	13,403	12,933	62	76	65.473	640,016	4.356,726	6,807	6,337
13	27	98.499	37.325,531	499.045,066	13,370	12,899	63	77	62.721	569,018	3.716,710	6,532	6,061
14	28	98.457	34.626,279	461.719,535	13,334	12,864	64	78	59.804	503,528	3.147,692	6,251	5,781
15	29	98.410	32.120,292	427.093,256	13,297	12,826	65	79	56.679	442,890	2.644,165	5,970	5,500
16	30	98.358	29.794,260	394.972,964	13,257	12,786	66	80	53.343	386,848	2.201,275	5,690	5,220
17	31	98.288	27.631,645	365.178,704	13,216	12,745	67	81	49.774	334,999	1.814,426	5,416	4,946
18	32	98.203	25.622,064	337.547,059	13,174	12,703	68	82	45.993	287,285	1.479,427	5,150	4,679
19	33	98.094	23.752,692	311.924,995	13,132	12,662	69	83	42.003	243,496	1.192,142	4,896	4,425
20	34	97.976	22.017,706	288.172,303	13,088	12,618	70	84	37.989	204,386	948,646	4,641	4,171
21	35	97.855	20.408,958	266.154,596	13,041	12,570	71	85	33.940	169,468	744,260	4,392	3,921
22	36	97.728	18.916,488	245.745,638	12,991	12,520	72	86	30.017	139,100	574,792	4,132	3,662
23	37	97.599	17.532,749	226.829,150	12,937	12,467	73	87	26.041	111,994	435,692	3,890	3,420
24	38	97.467	16.249,661	209.296,402	12,880	12,409	74	88	22.080	88,131	323,698	3,673	3,202
25	39	97.328	15.059,408	193.046,740	12,819	12,348	75	89	18.362	68,018	235,568	3,463	2,993
26	40	97.179	13.954,849	177.987,332	12,755	12,284	76	90	14.917	51,283	167,550	3,267	2,796
27	41	97.025	12.930,615	164.032,483	12,686	12,215	77	91	11.856	37,828	116,267	3,074	2,603
28	42	96.860	11.980,134	151.101,868	12,613	12,142	78	92	9.107	26,967	78,438	2,909	2,438
29	43	96.680	11.097,786	139.121,734	12,536	12,065	79	93	6.797	18,680	51,472	2,755	2,285
30	44	96.487	10.278,966	128.023,948	12,455	11,984	80	94	4.923	12,557	32,792	2,611	2,141
31	45	96.282	9.519,405	117.744,982	12,369	11,898	81	95	3.449	8,165	20,235	2,478	2,008
32	46	96.053	8.813,737	108.225,577	12,279	11,809	82	96	2.334	5,128	12,070	2,354	1,883
33	47	95.802	8.158,422	99.411,840	12,185	11,715	83	97	1.517	3,093	6,942	2,245	1,774
34	48	95.532	7.550,268	91.253,418	12,086	11,615	84	98	949	1,796	3,850	2,143	1,673
35	49	95.239	6.985,676	83.703,150	11,982	11,511	85	99	571	1,003	2,054	2,048	1,578
36	50	94.910	6.460,855	76.717,473	11,874	11,404	86	100	331	0,539	1,051	1,951	1,480
37	51	94.563	5.974,251	70.256,618	11,760	11,289	87	101	182	0,275	0,512	1,863	1,393
38	52	94.187	5.522,470	64.282,367	11,640	11,169	88	102	95	0,133	0,237	1,787	1,316
39	53	93.773	5.102,727	58.759,897	11,515	11,045	89	103	47	0,061	0,105	1,718	1,247
40	54	93.332	4.713,480	53.657,170	11,384	10,913	90	104	22	0,026	0,044	1,654	1,183
41	55	92.848	4.351,736	48.943,690	11,247	10,776	91	105	10	0,011	0,017	1,593	1,123
42	56	92.320	4.015,797	44.591,954	11,104	10,633	92	106					
43	57	91.747	3.703,808	40.576,157	10,955	10,485	93	107					
44	58	91.111	3.413,596	36.872,349	10,802	10,331	94	108					
45	59	90.429	3.144,356	33.458,752	10,641	10,170	95	109					
46	60	89.693	2.894,426	30.314,396	10,473	10,003	96	110					
47	61	88.896	2.662,389	27.419,970	10,299	9,828	97	111					
48	62	88.065	2.447,782	24.757,581	10,114	9,644	98	112					
49	63	87.153	2.248,211	22.309,799	9,923	9,453	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -15 Jahre

Zinsfuß 7,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	15	99.441	99.440,794	1.351.530,189	13,591	13,121	50	65	85.542	2.047,927	19.596,669	9,569	9,098
1	16	98.969	91.850,978	1.252.089,395	13,632	13,161	51	66	84.423	1.875,764	17.548,742	9,356	8,885
2	17	98.908	85.192,044	1.160.238,417	13,619	13,148	52	67	83.225	1.716,145	15.672,978	9,133	8,662
3	18	98.867	79.031,232	1.075.046,373	13,603	13,132	53	68	81.896	1.567,274	13.956,833	8,905	8,435
4	19	98.820	73.312,380	996.015,141	13,586	13,115	54	69	80.450	1.428,872	12.389,559	8,671	8,200
5	20	98.780	68.011,349	922.702,761	13,567	13,096	55	70	78.884	1.300,291	10.960,687	8,429	7,959
6	21	98.735	63.091,004	854.691,411	13,547	13,076	56	71	77.181	1.180,710	9.660,395	8,182	7,711
7	22	98.699	58.531,987	791.600,407	13,524	13,054	57	72	75.335	1.069,579	8.479,686	7,928	7,457
8	23	98.660	54.300,617	733.068,420	13,500	13,030	58	73	73.337	966,318	7.410,107	7,668	7,198
9	24	98.623	50.375,865	678.767,803	13,474	13,003	59	74	71.158	870,172	6.443,789	7,405	6,935
10	25	98.587	46.735,468	628.391,938	13,446	12,975	60	75	68.807	780,906	5.573,618	7,137	6,667
11	26	98.553	43.359,236	581.656,470	13,415	12,944	61	76	66.269	698,001	4.792,711	6,866	6,396
12	27	98.512	40.223,513	538.297,234	13,383	12,912	62	77	63.578	621,488	4.094,711	6,589	6,118
13	28	98.470	37.314,653	498.073,721	13,348	12,877	63	78	60.681	550,506	3.473,222	6,309	5,838
14	29	98.428	34.616,001	460.759,068	13,311	12,840	64	79	57.587	484,866	2.922,716	6,028	5,557
15	30	98.381	32.110,890	426.143,067	13,271	12,800	65	80	54.294	424,259	2.437,850	5,746	5,275
16	31	98.326	29.784,505	394.032,177	13,229	12,759	66	81	50.745	368,003	2.013,591	5,472	5,001
17	32	98.253	27.621,774	364.247,672	13,187	12,716	67	82	46.999	316,325	1.645,588	5,202	4,732
18	33	98.168	25.612,954	336.625,897	13,143	12,672	68	83	43.020	268,719	1.329,262	4,947	4,476
19	34	98.055	23.743,201	311.012,944	13,099	12,628	69	84	38.993	226,047	1.060,543	4,692	4,221
20	35	97.930	22.007,384	287.269,742	13,053	12,583	70	85	34.936	187,962	834,496	4,440	3,969
21	36	97.805	20.398,510	265.262,358	13,004	12,533	71	86	30.993	154,754	646,534	4,178	3,707
22	37	97.673	18.905,791	244.863,849	12,952	12,481	72	87	26.991	125,077	491,780	3,932	3,461
23	38	97.540	17.521,997	225.958,058	12,896	12,425	73	88	22.971	98,792	366,704	3,712	3,241
24	39	97.399	16.238,294	208.436,060	12,836	12,365	74	89	19.176	76,539	267,911	3,500	3,030
25	40	97.251	15.047,357	192.197,766	12,773	12,302	75	90	15.640	57,936	191,372	3,303	2,832
26	41	97.095	13.942,709	177.150,409	12,706	12,235	76	91	12.479	42,900	133,436	3,110	2,640
27	42	96.930	12.917,833	163.207,700	12,634	12,164	77	92	9.634	30,739	90,536	2,945	2,475
28	43	96.751	11.966,661	150.289,867	12,559	12,088	78	93	7.237	21,428	59,797	2,791	2,320
29	44	96.555	11.083,381	138.323,207	12,480	12,010	79	94	5.275	14,496	38,369	2,647	2,176
30	45	96.352	10.264,657	127.239,825	12,396	11,925	80	95	3.726	9,504	23,873	2,512	2,041
31	46	96.129	9.504,307	116.975,168	12,308	11,837	81	96	2.543	6,019	14,369	2,387	1,916
32	47	95.881	8.797,908	107.470,861	12,216	11,745	82	97	1.674	3,677	8,350	2,271	1,800
33	48	95.616	8.142,557	98.672,954	12,118	11,648	83	98	1.057	2,155	4,672	2,168	1,698
34	49	95.330	7.534,262	90.530,397	12,016	11,545	84	99	642	1,214	2,518	2,074	1,603
35	50	95.009	6.968,864	82.996,134	11,910	11,439	85	100	374	0,657	1,303	1,985	1,514
36	51	94.670	6.444,531	76.027,270	11,797	11,327	86	101	210	0,341	0,647	1,894	1,423
37	52	94.301	5.957,659	69.582,740	11,680	11,209	87	102	111	0,168	0,305	1,811	1,341
38	53	93.902	5.505,775	63.625,081	11,556	11,085	88	103	56	0,079	0,137	1,739	1,269
39	54	93.477	5.086,614	58.119,306	11,426	10,955	89	104	27	0,035	0,058	1,675	1,204
40	55	93.008	4.697,085	53.032,691	11,291	10,820	90	105	12	0,014	0,023	1,615	1,144
41	56	92.496	4.335,257	48.335,606	11,149	10,679	91	106					
42	57	91.950	3.999,675	44.000,349	11,001	10,530	92	107					
43	58	91.337	3.687,278	40.000,674	10,848	10,378	93	108					
44	59	90.673	3.397,158	36.313,396	10,689	10,219	94	109					
45	60	89.970	3.128,371	32.916,239	10,522	10,051	95	110					
46	61	89.199	2.878,495	29.787,868	10,348	9,878	96	111					
47	62	88.396	2.647,407	26.909,373	10,164	9,694	97	112					
48	63	87.511	2.432,378	24.261,966	9,975	9,504	98						
49	64	86.560	2.232,919	21.829,588	9,776	9,306	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -16 Jahre

Zinsfuß 7,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	16	99.423	99.423,027	1.350.269,854	13,581	13,110	50	66	84.843	2.031,201	19.102,353	9,404	8,934
1	17	98.948	91.831,526	1.250.846,827	13,621	13,150	51	67	83.658	1.858,776	17.071,152	9,184	8,713
2	18	98.887	85.173,300	1.159.015,300	13,608	13,137	52	68	82.379	1.698,700	15.212,376	8,955	8,485
3	19	98.838	79.008,503	1.073.842,000	13,591	13,121	53	69	80.959	1.549,348	13.513,676	8,722	8,252
4	20	98.793	73.292,058	994.833,497	13,574	13,103	54	70	79.424	1.410,642	11.964,327	8,481	8,011
5	21	98.749	67.989,868	921.541,439	13,554	13,083	55	71	77.763	1.281,810	10.553,685	8,233	7,763
6	22	98.711	63.075,568	853.551,572	13,532	13,062	56	72	75.930	1.161,568	9.271,876	7,982	7,512
7	23	98.673	58.516,140	790.476,004	13,509	13,038	57	73	73.977	1.050,295	8.110,308	7,722	7,251
8	24	98.635	54.286,450	731.959,864	13,483	13,013	58	74	71.843	946,631	7.060,013	7,458	6,987
9	25	98.596	50.362,179	677.673,414	13,456	12,985	59	75	69.538	850,365	6.113,381	7,189	6,718
10	26	98.563	46.723,967	627.311,235	13,426	12,955	60	76	67.023	760,659	5.263,016	6,919	6,448
11	27	98.526	43.347,097	580.587,267	13,394	12,923	61	77	64.351	677,795	4.502,357	6,643	6,172
12	28	98.483	40.211,790	537.240,170	13,360	12,890	62	78	61.509	601,270	3.824,562	6,361	5,890
13	29	98.441	37.303,578	497.028,380	13,324	12,853	63	79	58.432	530,104	3.223,292	6,080	5,610
14	30	98.399	34.605,868	459.724,802	13,285	12,814	64	80	55.165	464,469	2.693,189	5,798	5,328
15	31	98.349	32.100,376	425.118,934	13,243	12,773	65	81	51.649	403,592	2.228,719	5,522	5,052
16	32	98.291	29.773,866	393.018,557	13,200	12,729	66	82	47.916	347,489	1.825,128	5,252	4,782
17	33	98.218	27.611,953	363.244,692	13,155	12,685	67	83	43.962	295,883	1.477,638	4,994	4,523
18	34	98.129	25.602,719	335.632,739	13,109	12,639	68	84	39.938	249,463	1.181,756	4,737	4,267
19	35	98.009	23.732,070	310.030,019	13,064	12,593	69	85	35.860	207,882	932,292	4,485	4,014
20	36	97.879	21.996,117	286.297,949	13,016	12,545	70	86	31.903	171,642	724,410	4,220	3,750
21	37	97.750	20.386,975	264.301,832	12,964	12,494	71	87	27.869	139,152	552,768	3,972	3,502
22	38	97.613	18.894,198	243.914,857	12,910	12,439	72	88	23.809	110,333	413,616	3,749	3,278
23	39	97.471	17.509,741	225.020,659	12,851	12,381	73	89	19.950	85,798	303,283	3,535	3,064
24	40	97.321	16.225,300	207.510,919	12,789	12,319	74	90	16.334	65,194	217,485	3,336	2,865
25	41	97.166	15.034,266	191.285,619	12,723	12,253	75	91	13.084	48,466	152,291	3,142	2,672
26	42	96.999	13.928,927	176.251,354	12,654	12,183	76	92	10.140	34,861	103,825	2,978	2,508
27	43	96.821	12.903,305	162.322,427	12,580	12,109	77	93	7.656	24,426	68,964	2,823	2,353
28	44	96.626	11.951,128	149.419,122	12,503	12,032	78	94	5.616	16,628	44,538	2,678	2,208
29	45	96.420	11.067,953	137.467,995	12,420	11,950	79	95	3.992	10,971	27,910	2,544	2,073
30	46	96.200	10.248,378	126.400,042	12,334	11,863	80	96	2.747	7,007	16,939	2,418	1,947
31	47	95.957	9.487,237	116.151,664	12,243	11,772	81	97	1.824	4,317	9,932	2,301	1,830
32	48	95.694	8.780,799	106.664,427	12,147	11,677	82	98	1.166	2,562	5,615	2,192	1,721
33	49	95.413	8.125,295	97.883,628	12,047	11,576	83	99	714	1,457	3,053	2,096	1,625
34	50	95.100	7.516,129	89.758,333	11,942	11,471	84	100	420	0,795	1,596	2,007	1,537
35	51	94.769	6.951,256	82.242,203	11,831	11,361	85	101	237	0,416	0,801	1,924	1,453
36	52	94.407	6.426,633	75.290,947	11,715	11,245	86	102	128	0,209	0,385	1,839	1,368
37	53	94.016	5.939,648	68.864,315	11,594	11,123	87	103	66	0,100	0,176	1,762	1,291
38	54	93.606	5.488,390	62.924,666	11,465	10,994	88	104	32	0,045	0,076	1,694	1,224
39	55	93.151	5.068,922	57.436,277	11,331	10,860	89	105	15	0,019	0,031	1,633	1,163
40	56	92.656	4.679,298	52.367,354	11,191	10,721	90	106					
41	57	92.125	4.317,852	47.688,056	11,044	10,574	91	107					
42	58	91.539	3.981,824	43.370,204	10,892	10,421	92	108					
43	59	90.898	3.669,521	39.388,380	10,734	10,263	93	109					
44	60	90.212	3.379,887	35.718,859	10,568	10,097	94	110					
45	61	89.474	3.111,151	32.338,972	10,395	9,924	95	111					
46	62	88.697	2.862,297	29.227,820	10,211	9,741	96	112					
47	63	87.840	2.630,747	26.365,524	10,022	9,551	97						
48	64	86.915	2.415,833	23.734,777	9,825	9,354	98						
49	65	85.927	2.216,590	21.318,944	9,618	9,147	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -17 Jahre

Zinsfuß 7,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	17	99.402	99.401,972	1.348.920,318	13,570	13,100	50	67	84.075	2.012,805	18.578,097	9,230	8,759
1	18	98.927	91.811,322	1.249.518,346	13,610	13,139	51	68	82.808	1.839,882	16.565,291	9,003	8,533
2	19	98.858	85.148,805	1.157.707,025	13,596	13,126	52	69	81.437	1.679,271	14.725,410	8,769	8,298
3	20	98.811	78.986,601	1.072.558,220	13,579	13,108	53	70	79.926	1.529,581	13.046,139	8,529	8,059
4	21	98.762	73.268,908	993.571,618	13,561	13,090	54	71	78.295	1.390,592	11.516,557	8,282	7,811
5	22	98.724	67.973,232	920.302,710	13,539	13,069	55	72	76.502	1.261,028	10.125,965	8,030	7,559
6	23	98.684	63.058,491	852.329,478	13,516	13,046	56	73	74.561	1.140,626	8.864,937	7,772	7,301
7	24	98.647	58.500,873	789.270,987	13,492	13,021	57	74	72.470	1.028,898	7.724,311	7,507	7,037
8	25	98.608	54.271,701	730.770,114	13,465	12,994	58	75	70.208	925,084	6.695,413	7,238	6,767
9	26	98.572	50.349,787	676.498,413	13,436	12,965	59	76	67.735	828,317	5.770,328	6,966	6,496
10	27	98.535	46.710,887	626.148,626	13,405	12,934	60	77	65.083	738,640	4.942,011	6,691	6,220
11	28	98.497	43.334,465	579.437,739	13,371	12,901	61	78	62.257	655,744	4.203,372	6,410	5,939
12	29	98.454	40.199,855	536.103,275	13,336	12,865	62	79	59.230	578,985	3.547,627	6,127	5,657
13	30	98.412	37.292,659	495.903,420	13,298	12,827	63	80	55.974	507,804	2.968,642	5,846	5,375
14	31	98.367	34.594,538	458.610,762	13,257	12,786	64	81	52.478	441,843	2.460,838	5,569	5,099
15	32	98.314	32.088,910	424.016,224	13,214	12,743	65	82	48.770	381,094	2.018,995	5,298	4,827
16	33	98.256	29.763,279	391.927,314	13,168	12,697	66	83	44.820	325,033	1.637,901	5,039	4,569
17	34	98.179	27.600,920	362.164,035	13,121	12,651	67	84	40.812	274,681	1.312,868	4,780	4,309
18	35	98.083	25.590,716	334.563,115	13,074	12,603	68	85	36.728	229,416	1.038,187	4,525	4,055
19	36	97.958	23.719,920	308.972,399	13,026	12,555	69	86	32.746	189,833	808,771	4,260	3,790
20	37	97.824	21.983,679	285.252,479	12,976	12,505	70	87	28.687	154,338	618,938	4,010	3,540
21	38	97.690	20.374,474	263.268,800	12,922	12,451	71	88	24.584	122,749	464,600	3,785	3,314
22	39	97.545	18.880,981	242.894,326	12,864	12,394	72	89	20.678	95,821	341,851	3,568	3,097
23	40	97.393	17.495,728	224.013,345	12,804	12,333	73	90	16.993	73,081	246,030	3,367	2,896
24	41	97.237	16.211,184	206.517,617	12,739	12,269	74	91	13.664	54,537	172,949	3,171	2,701
25	42	97.070	15.019,405	190.306,433	12,671	12,200	75	92	10.632	39,383	118,412	3,007	2,536
26	43	96.890	13.913,261	175.287,028	12,599	12,128	76	93	8.058	27,701	79,028	2,853	2,382
27	44	96.695	12.886,556	161.373,767	12,523	12,052	77	94	5.941	18,955	51,328	2,708	2,237
28	45	96.491	11.934,492	148.487,211	12,442	11,971	78	95	4.250	12,585	32,373	2,572	2,102
29	46	96.267	11.050,399	136.552,720	12,357	11,887	79	96	2.943	8,088	19,788	2,446	1,976
30	47	96.027	10.229,972	125.502,321	12,268	11,797	80	97	1.970	5,025	11,699	2,328	1,858
31	48	95.770	9.468,788	115.272,349	12,174	11,703	81	98	1.271	3,008	6,675	2,219	1,748
32	49	95.492	8.762,184	105.803,561	12,075	11,604	82	99	788	1,732	3,667	2,117	1,646
33	50	95.184	8.105,740	97.041,377	11,972	11,501	83	100	468	0,954	1,935	2,027	1,557
34	51	94.860	7.497,139	88.935,637	11,863	11,392	84	101	266	0,504	0,980	1,945	1,474
35	52	94.506	6.931,951	81.438,498	11,748	11,278	85	102	145	0,255	0,476	1,867	1,396
36	53	94.122	6.407,204	74.506,547	11,629	11,158	86	103	76	0,124	0,221	1,787	1,316
37	54	93.719	5.920,893	68.099,344	11,502	11,031	87	104	38	0,057	0,097	1,715	1,244
38	55	93.280	5.469,300	62.178,450	11,369	10,898	88	105	18	0,025	0,041	1,651	1,181
39	56	92.799	5.049,727	56.709,150	11,230	10,759	89						
40	57	92.284	4.660,512	51.659,424	11,084	10,614	90						
41	58	91.714	4.298,581	46.998,912	10,934	10,463	91						
42	59	91.099	3.962,649	42.700,330	10,776	10,305	92						
43	60	90.435	3.650,866	38.737,681	10,611	10,140	93						
44	61	89.715	3.361,283	35.086,815	10,439	9,968	94						
45	62	88.971	3.093,644	31.725,532	10,255	9,784	95						
46	63	88.139	2.844,284	28.631,888	10,066	9,596	96						
47	64	87.242	2.612,853	25.787,604	9,870	9,399	97						
48	65	86.280	2.398,167	23.174,750	9,664	9,193	98						
49	66	85.226	2.198,487	20.776,584	9,450	8,980	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -18 Jahre

Zinsfuß 7,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	18	99.380	99.380,101	1.347.478,125	13,559	13,088	50	68	83.220	1.992,345	18.023,374	9,046	8,576
1	19	98.898	91.784,918	1.248.098,023	13,598	13,127	51	69	81.861	1.818,838	16.031,029	8,814	8,343
2	20	98.831	85.125,201	1.156.313,106	13,584	13,113	52	70	80.398	1.657,847	14.212,191	8,573	8,102
3	21	98.780	78.961,653	1.071.187,905	13,566	13,095	53	71	78.790	1.507,841	12.554,345	8,326	7,855
4	22	98.738	73.250,981	992.226,252	13,546	13,075	54	72	77.025	1.368,047	11.046,504	8,075	7,604
5	23	98.698	67.954,829	918.975,271	13,523	13,053	55	73	75.123	1.238,293	9.678,457	7,816	7,345
6	24	98.658	63.042,038	851.020,441	13,499	13,029	56	74	73.042	1.117,388	8.440,163	7,553	7,083
7	25	98.620	58.484,980	787.978,403	13,473	13,003	57	75	70.820	1.005,479	7.322,775	7,283	6,812
8	26	98.584	54.258,347	729.493,423	13,445	12,974	58	76	68.387	901,099	6.317,296	7,011	6,540
9	27	98.544	50.335,691	675.235,077	13,415	12,944	59	77	65.775	804,339	5.416,197	6,734	6,263
10	28	98.506	46.697,274	624.899,386	13,382	12,911	60	78	62.966	714,610	4.611,858	6,454	5,983
11	29	98.468	43.321,602	578.202,112	13,347	12,876	61	79	59.950	631,441	3.897,248	6,172	5,701
12	30	98.425	40.188,088	534.880,510	13,309	12,839	62	80	56.738	554,630	3.265,807	5,888	5,418
13	31	98.380	37.280,448	494.692,422	13,269	12,799	63	81	53.247	483,067	2.711,178	5,612	5,142
14	32	98.332	34.582,180	457.411,974	13,227	12,756	64	82	49.552	417,213	2.228,111	5,340	4,870
15	33	98.279	32.077,500	422.829,793	13,182	12,711	65	83	45.619	356,466	1.810,898	5,080	4,609
16	34	98.216	29.751,386	390.752,294	13,134	12,663	66	84	41.608	301,742	1.454,432	4,820	4,349
17	35	98.133	27.587,980	361.000,907	13,085	12,615	67	85	37.532	252,607	1.152,690	4,563	4,093
18	36	98.033	25.577,615	333.412,928	13,035	12,565	68	86	33.539	209,497	900,083	4,296	3,826
19	37	97.903	23.706,508	307.835,313	12,985	12,515	69	87	29.445	170,695	690,586	4,046	3,575
20	38	97.764	21.970,198	284.128,805	12,932	12,462	70	88	25.305	136,145	519,891	3,819	3,348
21	39	97.621	20.360,221	262.158,607	12,876	12,405	71	89	21.350	106,604	383,746	3,600	3,129
22	40	97.467	18.865,871	241.798,385	12,817	12,346	72	90	17.613	81,618	277,142	3,396	2,925
23	41	97.309	17.480,507	222.932,514	12,753	12,283	73	91	14.215	61,135	195,524	3,198	2,728
24	42	97.140	16.195,159	205.452,007	12,686	12,215	74	92	11.103	44,317	134,388	3,032	2,562
25	43	96.961	15.002,513	189.256,848	12,615	12,144	75	93	8.448	31,294	90,071	2,878	2,408
26	44	96.764	13.895,201	174.254,335	12,541	12,070	76	94	6.253	21,496	58,777	2,734	2,264
27	45	96.560	12.868,618	160.359,134	12,461	11,991	77	95	4.496	14,346	37,281	2,599	2,128
28	46	96.338	11.915,563	147.490,516	12,378	11,907	78	96	3.133	9,278	22,935	2,472	2,001
29	47	96.094	11.030,553	135.574,952	12,291	11,820	79	97	2.111	5,801	13,657	2,354	1,884
30	48	95.840	10.210,078	124.544,400	12,198	11,728	80	98	1.373	3,501	7,856	2,244	1,773
31	49	95.567	9.448,715	114.334,321	12,101	11,630	81	99	859	2,033	4,355	2,142	1,671
32	50	95.262	8.741,096	104.885,607	11,999	11,528	82	100	517	1,135	2,322	2,046	1,576
33	51	94.943	8.085,260	96.144,511	11,891	11,421	83	101	297	0,605	1,187	1,963	1,492
34	52	94.597	7.476,318	88.059,251	11,778	11,308	84	102	163	0,309	0,582	1,885	1,415
35	53	94.220	6.910,994	80.582,934	11,660	11,189	85	103	86	0,151	0,273	1,813	1,342
36	54	93.825	6.386,973	73.671,939	11,535	11,064	86	104	43	0,071	0,123	1,738	1,267
37	55	93.393	5.900,299	67.284,967	11,404	10,933	87	105	21	0,031	0,052	1,670	1,199
38	56	92.927	5.448,588	61.384,668	11,266	10,795	88	106					
39	57	92.426	5.029,453	55.936,079	11,122	10,651	89	107					
40	58	91.872	4.639,712	50.906,626	10,972	10,501	90	108					
41	59	91.272	4.277,881	46.266,914	10,815	10,345	91	109					
42	60	90.635	3.942,504	41.989,033	10,650	10,180	92	110					
43	61	89.938	3.630,771	38.046,529	10,479	10,008	93	111					
44	62	89.210	3.342,368	34.415,759	10,297	9,826	94	112					
45	63	88.411	3.074,176	31.073,390	10,108	9,637	95						
46	64	87.539	2.824,938	27.999,214	9,911	9,441	96						
47	65	86.604	2.593,746	25.174,276	9,706	9,235	97						
48	66	85.575	2.378,580	22.580,530	9,493	9,023	98						
49	67	84.454	2.178,576	20.201,950	9,273	8,802	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -19 Jahre

Zinsfuß 7,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	19	99.352	99.351,520	1.345.936,878	13,547	13,077	50	69	82.268	1.969,558	17.438,072	8,854	8,383
1	20	98.871	91.759,474	1.246.585,358	13,585	13,115	51	70	80.816	1.795,633	15.468,514	8,615	8,144
2	21	98.800	85.098,314	1.154.825,884	13,570	13,100	52	71	79.255	1.634,283	13.672,882	8,366	7,896
3	22	98.756	78.942,333	1.069.727,570	13,551	13,080	53	72	77.513	1.483,395	12.038,599	8,116	7,645
4	23	98.711	73.231,149	990.785,237	13,530	13,059	54	73	75.637	1.343,383	10.555,204	7,857	7,387
5	24	98.672	67.937,099	917.554,087	13,506	13,035	55	74	73.593	1.213,066	9.211,821	7,594	7,123
6	25	98.632	63.024,911	849.616,988	13,481	13,010	56	75	71.379	1.091,955	7.998,755	7,325	6,855
7	26	98.596	58.470,588	786.592,077	13,453	12,982	57	76	68.984	979,409	6.906,800	7,052	6,581
8	27	98.556	54.243,157	728.121,488	13,423	12,953	58	77	66.408	875,014	5.927,391	6,774	6,303
9	28	98.516	50.321,021	673.878,332	13,392	12,921	59	78	63.635	778,172	5.052,377	6,493	6,022
10	29	98.477	46.683,413	623.557,310	13,357	12,886	60	79	60.632	688,125	4.274,205	6,211	5,741
11	30	98.439	43.308,921	576.873,897	13,320	12,849	61	80	57.428	604,879	3.586,080	5,929	5,458
12	31	98.393	40.174,930	533.564,976	13,281	12,810	62	81	53.974	527,611	2.981,202	5,650	5,180
13	32	98.345	37.267,131	493.390,046	13,239	12,769	63	82	50.279	456,139	2.453,590	5,379	4,908
14	33	98.297	34.569,884	456.122,915	13,194	12,724	64	83	46.350	390,251	1.997,452	5,118	4,648
15	34	98.239	32.064,682	421.553,031	13,147	12,676	65	84	42.350	330,922	1.607,201	4,857	4,386
16	35	98.170	29.737,438	389.488,349	13,098	12,627	66	85	38.264	277,494	1.276,278	4,599	4,129
17	36	98.082	27.573,856	359.750,911	13,047	12,576	67	86	34.273	230,674	998,785	4,330	3,859
18	37	97.977	25.563,152	332.177,055	12,994	12,524	68	87	30.158	188,377	768,110	4,078	3,607
19	38	97.843	23.691,970	306.613,903	12,942	12,471	69	88	25.974	150,574	579,733	3,850	3,380
20	39	97.696	21.954,830	282.921,932	12,887	12,416	70	89	21.977	118,238	429,160	3,630	3,159
21	40	97.543	20.343,928	260.967,102	12,828	12,357	71	90	18.186	90,803	310,922	3,424	2,953
22	41	97.382	18.849,458	240.623,175	12,766	12,295	72	91	14.734	68,277	220,119	3,224	2,753
23	42	97.212	17.463,228	221.773,716	12,699	12,229	73	92	11.551	49,678	151,842	3,057	2,586
24	43	97.031	16.176,945	204.310,488	12,630	12,159	74	93	8.823	35,215	102,164	2,901	2,430
25	44	96.835	14.983,039	188.133,543	12,556	12,086	75	94	6.556	24,285	66,949	2,757	2,286
26	45	96.629	13.875,859	173.150,504	12,479	12,008	76	95	4.732	16,269	42,664	2,622	2,152
27	46	96.407	12.848,208	159.274,645	12,397	11,926	77	96	3.315	10,576	26,395	2,496	2,025
28	47	96.165	11.894,163	146.426,437	12,311	11,840	78	97	2.247	6,654	15,818	2,377	1,907
29	48	95.908	11.009,102	134.532,274	12,220	11,749	79	98	1.471	4,042	9,164	2,268	1,797
30	49	95.637	10.188,433	123.523,171	12,124	11,653	80	99	928	2,367	5,123	2,164	1,694
31	50	95.337	9.425,974	113.334,738	12,024	11,553	81	100	563	1,332	2,756	2,069	1,599
32	51	95.021	8.719,010	103.908,764	11,917	11,447	82	101	327	0,719	1,424	1,980	1,509
33	52	94.680	8.062,805	95.189,753	11,806	11,335	83	102	182	0,371	0,705	1,902	1,431
34	53	94.311	7.453,715	87.126,948	11,689	11,218	84	103	97	0,183	0,334	1,829	1,358
35	54	93.923	6.889,172	79.673,233	11,565	11,094	85	104	49	0,086	0,151	1,761	1,291
36	55	93.498	6.364,757	72.784,061	11,435	10,965	86	105	24	0,039	0,065	1,691	1,220
37	56	93.039	5.877,956	66.419,304	11,300	10,829	87	106					
38	57	92.554	5.426,714	60.541,348	11,156	10,686	88	107					
39	58	92.014	5.007,007	55.114,634	11,008	10,537	89	108					
40	59	91.429	4.617,369	50.107,628	10,852	10,381	90	109					
41	60	90.808	4.256,133	45.490,259	10,688	10,218	91	110					
42	61	90.137	3.920,803	41.234,126	10,517	10,046	92	111					
43	62	89.432	3.610,339	37.313,323	10,335	9,864	93	112					
44	63	88.649	3.321,335	33.702,984	10,147	9,677	94						
45	64	87.810	3.053,266	30.381,648	9,951	9,480	95						
46	65	86.899	2.804,280	27.328,383	9,745	9,275	96						
47	66	85.897	2.572,562	24.524,103	9,533	9,062	97						
48	67	84.800	2.357,038	21.951,541	9,313	8,843	98						
49	68	83.595	2.156,431	19.594,503	9,087	8,616	99						
							100						

Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004

Altersdifferenz zwischen Mann und Frau (x - y) = -20 Jahre

Zinsfuß 7,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	20	99.324	99.323,980	1.344.296,090	13,534	13,064	50	70	81.219	1.944,430	16.822,377	8,652	8,181
1	21	98.840	91.730,491	1.244.972,110	13,572	13,101	51	71	79.668	1.770,111	14.877,947	8,405	7,934
2	22	98.776	85.077,493	1.153.241,619	13,555	13,085	52	72	77.970	1.607,788	13.107,837	8,153	7,682
3	23	98.729	78.920,960	1.068.164,126	13,535	13,064	53	73	76.115	1.456,651	11.500,049	7,895	7,424
4	24	98.685	73.212,043	989.243,166	13,512	13,041	54	74	74.096	1.316,015	10.043,399	7,632	7,161
5	25	98.645	67.918,642	916.031,123	13,487	13,017	55	75	71.918	1.185,455	8.727,384	7,362	6,891
6	26	98.607	63.009,403	848.112,480	13,460	12,989	56	76	69.529	1.063,643	7.541,929	7,091	6,620
7	27	98.568	58.454,219	785.103,078	13,431	12,960	57	77	66.987	951,057	6.478,286	6,812	6,341
8	28	98.527	54.227,348	726.648,859	13,400	12,929	58	78	64.247	846,548	5.527,229	6,529	6,058
9	29	98.486	50.306,085	672.421,510	13,367	12,896	59	79	61.276	749,331	4.680,681	6,246	5,776
10	30	98.448	46.669,748	622.115,425	13,330	12,860	60	80	58.082	659,178	3.931,351	5,964	5,493
11	31	98.407	43.294,741	575.445,677	13,291	12,821	61	81	54.630	575,412	3.272,172	5,687	5,216
12	32	98.357	40.160,579	532.150,935	13,251	12,780	62	82	50.965	498,200	2.696,760	5,413	4,942
13	33	98.310	37.253,880	491.990,357	13,206	12,736	63	83	47.030	426,661	2.198,560	5,153	4,682
14	34	98.258	34.556,070	454.736,476	13,159	12,689	64	84	43.029	362,286	1.771,899	4,891	4,420
15	35	98.193	32.049,650	420.180,406	13,110	12,640	65	85	38.946	304,329	1.409,612	4,632	4,161
16	36	98.120	29.722,214	388.130,756	13,059	12,588	66	86	34.942	253,400	1.105,283	4,362	3,891
17	37	98.027	27.558,264	358.408,542	13,005	12,535	67	87	30.818	207,419	851,883	4,107	3,636
18	38	97.917	25.547,476	330.850,278	12,950	12,480	68	88	26.603	166,171	644,464	3,878	3,408
19	39	97.774	23.675,398	305.302,802	12,895	12,425	69	89	22.558	130,769	478,292	3,658	3,187
20	40	97.618	21.937,260	281.627,405	12,838	12,367	70	90	18.719	100,712	347,523	3,451	2,980
21	41	97.458	20.326,229	259.690,144	12,776	12,305	71	91	15.213	75,960	246,811	3,249	2,779
22	42	97.286	18.830,826	239.363,915	12,711	12,241	72	92	11.973	55,482	170,851	3,079	2,609
23	43	97.103	17.443,588	220.533,090	12,643	12,172	73	93	9.179	39,475	115,369	2,923	2,452
24	44	96.905	16.155,947	203.089,502	12,571	12,100	74	94	6.847	27,327	75,894	2,777	2,307
25	45	96.700	14.962,183	186.933,555	12,494	12,023	75	95	4.962	18,380	48,567	2,642	2,172
26	46	96.476	13.853,852	171.971,372	12,413	11,943	76	96	3.489	11,994	30,187	2,517	2,046
27	47	96.234	12.825,133	158.117,520	12,329	11,858	77	97	2.377	7,585	18,193	2,399	1,928
28	48	95.978	11.871,033	145.292,388	12,239	11,769	78	98	1.566	4,636	10,608	2,288	1,817
29	49	95.704	10.985,764	133.421,354	12,145	11,674	79	99	994	2,732	5,972	2,186	1,715
30	50	95.407	10.163,913	122.435,590	12,046	11,575	80	100	608	1,550	3,240	2,090	1,619
31	51	95.096	9.402,158	112.271,678	11,941	11,470	81	101	357	0,844	1,689	2,001	1,530
32	52	94.757	8.694,796	102.869,519	11,831	11,360	82	102	201	0,441	0,845	1,917	1,446
33	53	94.393	8.038,429	94.174,724	11,716	11,245	83	103	108	0,219	0,404	1,844	1,373
34	54	94.013	7.430,180	86.136,294	11,593	11,122	84	104	55	0,104	0,185	1,776	1,305
35	55	93.596	6.865,210	78.706,115	11,464	10,994	85	105	27	0,047	0,081	1,712	1,242
36	56	93.144	6.340,655	71.840,905	11,330	10,860	86	106					
37	57	92.666	5.854,357	65.500,250	11,188	10,718	87	107					
38	58	92.141	5.402,494	59.645,893	11,040	10,570	88	108					
39	59	91.570	4.982,895	54.243,399	10,886	10,415	89	109					
40	60	90.965	4.593,895	49.260,504	10,723	10,252	90	110					
41	61	90.308	4.232,706	44.666,609	10,553	10,082	91	111					
42	62	89.629	3.898,739	40.433,903	10,371	9,900	92	112					
43	63	88.869	3.587,620	36.535,163	10,184	9,713	93						
44	64	88.046	3.298,744	32.947,544	9,988	9,517	94						
45	65	87.167	3.030,938	29.648,800	9,782	9,311	95						
46	66	86.190	2.781,376	26.617,862	9,570	9,099	96						
47	67	85.119	2.549,263	23.836,486	9,350	8,880	97						
48	68	83.938	2.333,079	21.287,222	9,124	8,653	98						
49	69	82.639	2.131,766	18.954,143	8,891	8,421	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -21 Jahre

Zinsfuß 7,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	21	99.293	99.292,607	1.342.546,877	13,521	13,050	50	71	80.064	1.916,792	16.176,531	8,439	7,969
1	22	98.815	91.708,048	1.243.254,270	13,557	13,086	51	72	78.376	1.741,413	14.259,739	8,189	7,718
2	23	98.749	85.054,459	1.151.546,222	13,539	13,068	52	73	76.564	1.578,801	12.518,326	7,929	7,458
3	24	98.703	78.900,369	1.066.491,763	13,517	13,046	53	74	74.565	1.426,975	10.939,525	7,666	7,196
4	25	98.658	73.192,153	987.591,394	13,493	13,022	54	75	72.409	1.286,060	9.512,550	7,397	6,926
5	26	98.621	67.901,930	914.399,241	13,466	12,996	55	76	70.053	1.154,719	8.226,490	7,124	6,654
6	27	98.580	62.991,763	846.497,311	13,438	12,968	56	77	67.516	1.032,852	7.071,771	6,847	6,376
7	28	98.539	58.437,184	783.505,548	13,408	12,937	57	78	64.808	920,117	6.038,919	6,563	6,093
8	29	98.498	54.211,253	725.068,365	13,375	12,904	58	79	61.866	815,173	5.118,802	6,279	5,809
9	30	98.458	50.291,360	670.857,112	13,339	12,869	59	80	58.699	717,809	4.303,629	5,996	5,525
10	31	98.416	46.654,468	620.565,752	13,301	12,831	60	81	55.252	627,067	3.585,820	5,718	5,248
11	32	98.372	43.279,276	573.911,284	13,261	12,790	61	82	51.585	543,337	2.958,753	5,446	4,975
12	33	98.322	40.146,299	530.632,008	13,217	12,747	62	83	47.672	466,004	2.415,416	5,183	4,713
13	34	98.270	37.238,994	490.485,709	13,171	12,701	63	84	43.660	396,088	1.949,412	4,922	4,451
14	35	98.212	34.539,870	453.246,715	13,122	12,652	64	85	39.571	333,173	1.553,324	4,662	4,192
15	36	98.143	32.033,242	418.706,845	13,071	12,600	65	86	35.565	277,906	1.220,152	4,391	3,920
16	37	98.065	29.705,407	386.673,603	13,017	12,546	66	87	31.419	227,854	942,246	4,135	3,665
17	38	97.967	27.541,365	356.968,196	12,961	12,491	67	88	27.185	182,969	714,392	3,904	3,434
18	39	97.849	25.529,605	329.426,831	12,904	12,433	68	89	23.104	144,315	531,423	3,682	3,212
19	40	97.696	23.656,451	303.897,226	12,846	12,376	69	90	19.214	111,386	387,108	3,475	3,005
20	41	97.533	21.918,175	280.240,775	12,786	12,315	70	91	15.660	84,250	275,722	3,273	2,802
21	42	97.362	20.306,137	258.322,600	12,721	12,251	71	92	12.362	61,725	191,472	3,102	2,631
22	43	97.176	18.809,647	238.016,463	12,654	12,183	72	93	9.514	44,086	129,747	2,943	2,472
23	44	96.977	17.420,946	219.206,816	12,583	12,112	73	94	7.123	30,633	85,661	2,796	2,326
24	45	96.770	16.133,458	201.785,870	12,507	12,037	74	95	5.182	20,683	55,028	2,661	2,190
25	46	96.547	14.938,452	185.652,412	12,428	11,957	75	96	3.658	13,550	34,345	2,535	2,064
26	47	96.303	13.828,971	170.713,960	12,345	11,874	76	97	2.502	8,602	20,795	2,418	1,947
27	48	96.047	12.800,192	156.884,989	12,256	11,786	77	98	1.656	5,285	12,193	2,307	1,837
28	49	95.775	11.845,868	144.084,797	12,163	11,693	78	99	1.058	3,134	6,908	2,204	1,734
29	50	95.474	10.959,324	132.238,929	12,066	11,596	79	100	651	1,790	3,774	2,109	1,638
30	51	95.166	10.138,232	121.279,605	11,963	11,492	80	101	385	0,983	1,985	2,019	1,548
31	52	94.832	9.376,046	111.141,373	11,854	11,383	81	102	219	0,517	1,002	1,936	1,465
32	53	94.471	8.668,509	101.765,327	11,740	11,269	82	103	119	0,261	0,484	1,858	1,387
33	54	94.095	8.013,048	93.096,817	11,618	11,147	83	104	61	0,125	0,224	1,789	1,319
34	55	93.686	7.404,336	85.083,769	11,491	11,020	84	105	30	0,057	0,099	1,726	1,255
35	56	93.242	6.839,213	77.679,434	11,358	10,887	85	106					
36	57	92.770	6.315,199	70.840,221	11,217	10,747	86	107					
37	58	92.252	5.828,229	64.525,022	11,071	10,600	87	108					
38	59	91.697	5.376,478	58.696,794	10,917	10,447	88	109					
39	60	91.105	4.957,563	53.320,316	10,755	10,285	89	110					
40	61	90.464	4.568,609	48.362,753	10,586	10,115	90	111					
41	62	89.800	4.208,887	43.794,144	10,405	9,934	91	112					
42	63	89.065	3.874,205	39.585,257	10,218	9,747	92						
43	64	88.264	3.563,217	35.711,052	10,022	9,551	93						
44	65	87.402	3.274,621	32.147,835	9,817	9,347	94						
45	66	86.456	3.006,183	28.873,214	9,605	9,134	95						
46	67	85.409	2.756,186	25.867,031	9,385	8,914	96						
47	68	84.254	2.523,350	23.110,844	9,159	8,688	97						
48	69	82.978	2.306,394	20.587,494	8,926	8,456	98						
49	70	81.585	2.104,569	18.281,100	8,686	8,216	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -22 Jahre

Zinsfuß 7,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	22	99.268	99.268,313	1.340.684,978	13,506	13,035	50	72	78.766	1.885,717	15.501,002	8,220	7,750
1	23	98.789	91.683,219	1.241.416,665	13,540	13,070	51	73	76.963	1.710,017	13.615,285	7,962	7,491
2	24	98.723	85.032,268	1.149.733,446	13,521	13,050	52	74	75.004	1.546,637	11.905,268	7,698	7,227
3	25	98.676	78.878,934	1.064.701,179	13,498	13,027	53	75	72.867	1.394,495	10.358,632	7,428	6,958
4	26	98.634	73.174,142	985.822,245	13,472	13,002	54	76	70.532	1.252,716	8.964,137	7,156	6,685
5	27	98.593	67.882,920	912.648,102	13,444	12,974	55	77	68.025	1.121,292	7.711,421	6,877	6,407
6	28	98.551	62.973,405	844.765,182	13,415	12,944	56	78	65.319	999,251	6.590,129	6,595	6,124
7	29	98.510	58.419,838	781.791,777	13,382	12,912	57	79	62.406	886,015	5.590,878	6,310	5,839
8	30	98.469	54.195,385	723.371,939	13,347	12,877	58	80	59.264	780,882	4.704,863	6,025	5,554
9	31	98.425	50.274,894	669.176,555	13,310	12,840	59	81	55.839	682,842	3.923,982	5,747	5,276
10	32	98.381	46.637,802	618.901,661	13,270	12,800	60	82	52.172	592,112	3.241,140	5,474	5,003
11	33	98.337	43.263,887	572.263,858	13,227	12,757	61	83	48.251	508,224	2.649,028	5,212	4,742
12	34	98.283	40.130,257	528.999,971	13,182	12,711	62	84	44.256	432,611	2.140,804	4,949	4,478
13	35	98.224	37.221,536	488.869,714	13,134	12,663	63	85	40.151	364,257	1.708,193	4,690	4,219
14	36	98.161	34.522,187	451.648,178	13,083	12,612	64	86	36.135	304,245	1.343,935	4,417	3,947
15	37	98.088	32.015,128	417.125,991	13,029	12,558	65	87	31.979	249,889	1.039,690	4,161	3,690
16	38	98.004	29.687,191	385.110,863	12,972	12,502	66	88	27.716	200,995	789,801	3,929	3,459
17	39	97.898	27.522,099	355.423,672	12,914	12,443	67	89	23.610	158,904	588,806	3,705	3,235
18	40	97.770	25.509,175	327.901,572	12,854	12,384	68	90	19.679	122,924	429,903	3,497	3,027
19	41	97.611	23.635,870	302.392,398	12,794	12,323	69	91	16.073	93,179	306,979	3,295	2,824
20	42	97.436	21.896,509	278.756,527	12,731	12,260	70	92	12.725	68,461	213,800	3,123	2,652
21	43	97.253	20.283,299	256.860,018	12,664	12,193	71	93	9.823	49,047	145,339	2,963	2,493
22	44	97.050	18.785,232	236.576,719	12,594	12,123	72	94	7.388	34,211	96,291	2,815	2,344
23	45	96.842	17.396,695	217.791,487	12,519	12,048	73	95	5.391	23,185	62,080	2,678	2,207
24	46	96.617	16.107,870	200.394,791	12,441	11,970	74	96	3.820	15,248	38,895	2,551	2,080
25	47	96.373	14.911,623	184.286,921	12,359	11,888	75	97	2.623	9,718	23,647	2,433	1,963
26	48	96.116	13.802,078	169.375,298	12,272	11,801	76	98	1.743	5,993	13,930	2,324	1,854
27	49	95.843	12.773,057	155.573,220	12,180	11,709	77	99	1.120	3,573	7,936	2,221	1,751
28	50	95.544	11.817,358	142.800,163	12,084	11,613	78	100	693	2,053	4,364	2,125	1,655
29	51	95.233	10.931,634	130.982,805	11,982	11,511	79	101	413	1,135	2,311	2,036	1,566
30	52	94.901	10.110,076	120.051,171	11,874	11,404	80	102	236	0,602	1,176	1,953	1,482
31	53	94.545	9.347,701	109.941,095	11,761	11,291	81	103	129	0,306	0,574	1,875	1,404
32	54	94.172	8.641,138	100.593,395	11,641	11,171	82	104	68	0,149	0,268	1,802	1,331
33	55	93.768	7.985,176	91.952,256	11,515	11,045	83	105	34	0,069	0,119	1,738	1,267
34	56	93.331	7.376,297	83.967,080	11,383	10,913	84	106					
35	57	92.868	6.811,755	76.590,783	11,244	10,773	85	107					
36	58	92.356	6.287,013	69.779,028	11,099	10,628	86	108					
37	59	91.808	5.800,162	63.492,015	10,947	10,476	87	109					
38	60	91.231	5.349,145	57.691,853	10,785	10,315	88	110					
39	61	90.604	4.930,275	52.342,708	10,617	10,146	89	111					
40	62	89.955	4.542,900	47.412,433	10,437	9,966	90	112					
41	63	89.235	4.182,401	42.869,533	10,250	9,779	91						
42	64	88.459	3.847,853	38.687,132	10,054	9,584	92						
43	65	87.619	3.537,160	34.839,278	9,850	9,379	93						
44	66	86.688	3.247,876	31.302,118	9,638	9,167	94						
45	67	85.673	2.978,957	28.054,242	9,417	8,947	95						
46	68	84.541	2.728,170	25.075,285	9,191	8,721	96						
47	69	83.290	2.494,489	22.347,115	8,959	8,488	97						
48	70	81.919	2.276,969	19.852,626	8,719	8,248	98						
49	71	80.425	2.074,656	17.575,658	8,472	8,001	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -23 Jahre

Zinsfuß 7,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	23	99.241	99.241,437	1.338.694,016	13,489	13,019	50	73	77.346	1.851,719	14.797,321	7,991	7,520
1	24	98.763	91.659,298	1.239.452,579	13,522	13,052	51	74	75.395	1.675,180	12.945,602	7,728	7,257
2	25	98.696	85.009,166	1.147.793,281	13,502	13,031	52	75	73.297	1.511,433	11.270,422	7,457	6,986
3	26	98.652	78.859,524	1.062.784,115	13,477	13,006	53	76	70.978	1.358,339	9.758,990	7,185	6,714
4	27	98.606	73.153,657	983.924,591	13,450	12,979	54	77	68.490	1.216,452	8.400,651	6,906	6,435
5	28	98.564	67.863,137	910.770,934	13,421	12,950	55	78	65.812	1.084,813	7.184,199	6,623	6,152
6	29	98.522	62.954,713	842.907,797	13,389	12,918	56	79	62.899	962,217	6.099,386	6,339	5,868
7	30	98.481	58.402,738	779.953,084	13,355	12,884	57	80	59.781	848,744	5.137,169	6,053	5,582
8	31	98.437	54.177,640	721.550,345	13,318	12,848	58	81	56.377	742,841	4.288,425	5,773	5,302
9	32	98.390	50.256,935	667.372,705	13,279	12,809	59	82	52.727	644,778	3.545,584	5,499	5,028
10	33	98.346	46.621,219	617.115,770	13,237	12,766	60	83	48.801	553,847	2.900,806	5,238	4,767
11	34	98.297	43.246,600	570.494,551	13,192	12,721	61	84	44.794	471,806	2.346,959	4,974	4,504
12	35	98.237	40.111,443	527.247,951	13,145	12,674	62	85	40.699	397,846	1.875,154	4,713	4,243
13	36	98.174	37.202,480	487.136,508	13,094	12,624	63	86	36.665	332,631	1.477,307	4,441	3,971
14	37	98.106	34.502,666	449.934,028	13,041	12,570	64	87	32.492	273,573	1.144,677	4,184	3,714
15	38	98.028	31.995,496	415.431,362	12,984	12,513	65	88	28.210	220,433	871,104	3,952	3,481
16	39	97.936	29.666,425	383.435,866	12,925	12,454	66	89	24.070	174,559	650,671	3,728	3,257
17	40	97.820	27.500,074	353.769,441	12,864	12,394	67	90	20.110	135,350	476,113	3,518	3,047
18	41	97.685	25.486,982	326.269,367	12,801	12,331	68	91	16.463	102,831	340,763	3,314	2,843
19	42	97.515	23.612,507	300.782,384	12,738	12,268	69	92	13.061	75,717	237,932	3,142	2,672
20	43	97.327	21.871,883	277.169,878	12,672	12,202	70	93	10.111	54,400	162,215	2,982	2,511
21	44	97.126	20.256,971	255.297,995	12,603	12,132	71	94	7.623	38,061	107,815	2,833	2,362
22	45	96.915	18.759,083	235.041,024	12,529	12,059	72	95	5.588	25,893	69,753	2,694	2,223
23	46	96.689	17.369,104	216.281,941	12,452	11,981	73	96	3.974	17,092	43,860	2,566	2,095
24	47	96.443	16.078,941	198.912,837	12,371	11,900	74	97	2.740	10,935	26,768	2,448	1,977
25	48	96.186	14.882,625	182.833,896	12,285	11,814	75	98	1.828	6,771	15,833	2,338	1,868
26	49	95.912	13.772,819	167.951,271	12,194	11,724	76	99	1.179	4,052	9,062	2,237	1,766
27	50	95.613	12.742,316	154.178,452	12,100	11,629	77	100	734	2,340	5,010	2,141	1,670
28	51	95.303	11.787,500	141.436,136	11,999	11,528	78	101	440	1,302	2,670	2,051	1,581
29	52	94.968	10.901,274	129.648,637	11,893	11,422	79	102	253	0,695	1,368	1,968	1,498
30	53	94.615	10.079,511	118.747,362	11,781	11,310	80	103	140	0,356	0,673	1,890	1,420
31	54	94.247	9.318,185	108.667,851	11,662	11,191	81	104	74	0,174	0,317	1,818	1,347
32	55	93.845	8.611,082	99.349,667	11,537	11,067	82	105	37	0,082	0,143	1,749	1,278
33	56	93.413	7.954,938	90.738,584	11,407	10,936	83	106					
34	57	92.956	7.346,683	82.783,647	11,268	10,798	84	107					
35	58	92.453	6.781,354	75.436,964	11,124	10,654	85	108					
36	59	91.912	6.256,737	68.655,610	10,973	10,502	86	109					
37	60	91.341	5.770,675	62.398,873	10,813	10,342	87	110					
38	61	90.729	5.319,702	56.628,197	10,645	10,174	88	111					
39	62	90.094	4.902,531	51.308,496	10,466	9,995	89	112					
40	63	89.389	4.514,312	46.405,965	10,280	9,809	90						
41	64	88.628	4.153,953	41.891,653	10,085	9,614	91						
42	65	87.813	3.819,715	37.737,700	9,880	9,409	92						
43	66	86.903	3.508,271	33.917,985	9,668	9,197	93						
44	67	85.903	3.218,461	30.409,714	9,449	8,978	94						
45	68	84.802	2.948,676	27.191,253	9,222	8,751	95						
46	69	83.574	2.696,966	24.242,577	8,989	8,518	96						
47	70	82.228	2.462,664	21.545,611	8,749	8,278	97						
48	71	80.755	2.244,605	19.082,947	8,502	8,031	98						
49	72	79.121	2.041,021	16.838,342	8,250	7,779	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -24 Jahre

Zinsfuß 7,75%

Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	24	99.216	99.215,545	1.336.566,778	13,471	13,001	50	74	75.770	1.813,995	14.066,606	7,754	7,284
1	25	98.736	91.634,396	1.237.351,234	13,503	13,032	51	75	73.679	1.637,050	12.252,611	7,485	7,014
2	26	98.672	84.988,248	1.145.716,838	13,481	13,010	52	76	71.397	1.472,245	10.615,561	7,210	6,740
3	27	98.624	78.837,447	1.060.728,589	13,455	12,984	53	77	68.923	1.319,017	9.143,317	6,932	6,461
4	28	98.578	73.132,337	981.891,142	13,426	12,956	54	78	66.262	1.176,877	7.824,299	6,648	6,178
5	29	98.535	67.842,994	908.758,805	13,395	12,924	55	79	63.373	1.044,608	6.647,422	6,364	5,893
6	30	98.493	62.936,286	840.915,811	13,361	12,891	56	80	60.253	921,740	5.602,814	6,079	5,608
7	31	98.449	58.383,616	777.979,525	13,325	12,855	57	81	56.869	807,398	4.681,074	5,798	5,327
8	32	98.402	54.158,287	719.595,909	13,287	12,816	58	82	53.234	701,433	3.873,676	5,523	5,052
9	33	98.355	50.239,065	665.437,622	13,245	12,775	59	83	49.319	603,109	3.172,244	5,260	4,789
10	34	98.307	46.602,590	615.198,557	13,201	12,730	60	84	45.304	514,159	2.569,134	4,997	4,526
11	35	98.251	43.226,325	568.595,967	13,154	12,683	61	85	41.194	433,891	2.054,975	4,736	4,265
12	36	98.187	40.090,908	525.369,642	13,104	12,634	62	86	37.166	363,303	1.621,084	4,462	3,991
13	37	98.118	37.181,444	485.278,734	13,052	12,581	63	87	32.969	299,097	1.257,781	4,205	3,735
14	38	98.046	34.481,508	448.097,290	12,995	12,525	64	88	28.662	241,325	958,684	3,973	3,502
15	39	97.959	31.973,115	413.615,782	12,936	12,466	65	89	24.499	191,440	717,359	3,747	3,277
16	40	97.857	29.642,684	381.642,667	12,875	12,404	66	90	20.503	148,685	525,920	3,537	3,066
17	41	97.735	27.476,150	351.999,983	12,811	12,340	67	91	16.823	113,226	377,235	3,332	2,861
18	42	97.589	25.461,789	324.523,833	12,746	12,275	68	92	13.378	83,560	264,009	3,160	2,689
19	43	97.405	23.585,950	299.062,044	12,680	12,209	69	93	10.379	60,165	180,449	2,999	2,529
20	44	97.200	21.843,493	275.476,094	12,611	12,141	70	94	7.846	42,215	120,284	2,849	2,379
21	45	96.991	20.228,773	253.632,601	12,538	12,068	71	95	5.769	28,807	78,069	2,710	2,239
22	46	96.761	18.729,331	233.403,828	12,462	11,991	72	96	4.119	19,089	49,262	2,581	2,110
23	47	96.515	17.337,910	214.674,497	12,382	11,911	73	97	2.850	12,258	30,173	2,461	1,991
24	48	96.256	16.047,673	197.336,588	12,297	11,826	74	98	1.909	7,619	17,914	2,351	1,881
25	49	95.982	14.851,075	181.288,915	12,207	11,736	75	99	1.236	4,577	10,295	2,249	1,779
26	50	95.681	13.739,671	166.437,840	12,114	11,643	76	100	772	2,654	5,718	2,154	1,684
27	51	95.371	12.710,121	152.698,169	12,014	11,543	77	101	465	1,484	3,064	2,065	1,595
28	52	95.038	11.754,763	139.988,048	11,909	11,438	78	102	269	0,797	1,580	1,982	1,511
29	53	94.681	10.868,317	128.233,285	11,799	11,328	79	103	150	0,411	0,783	1,904	1,434
30	54	94.316	10.047,685	117.364,968	11,681	11,210	80	104	80	0,203	0,372	1,831	1,361
31	55	93.919	9.285,774	107.317,283	11,557	11,087	81	105	40	0,096	0,169	1,763	1,292
32	56	93.490	8.578,473	98.031,509	11,428	10,957	82	106					
33	57	93.038	7.923,001	89.453,036	11,290	10,820	83	107					
34	58	92.541	7.313,894	81.530,035	11,147	10,677	84	108					
35	59	92.008	6.748,697	74.216,141	10,997	10,526	85	109					
36	60	91.444	6.224,930	67.467,444	10,838	10,368	86	110					
37	61	90.838	5.738,912	61.242,514	10,671	10,201	87	111					
38	62	90.218	5.289,766	55.503,602	10,493	10,022	88	112					
39	63	89.527	4.871,680	50.213,836	10,307	9,837	89						
40	64	88.781	4.483,606	45.342,157	10,113	9,642	90						
41	65	87.980	4.123,576	40.858,550	9,909	9,438	91						
42	66	87.095	3.788,518	36.734,974	9,696	9,226	92						
43	67	86.116	3.476,498	32.946,457	9,477	9,006	93						
44	68	85.030	3.185,745	29.469,959	9,251	8,780	94						
45	69	83.832	2.914,950	26.284,213	9,017	8,546	95						
46	70	82.508	2.662,558	23.369,263	8,777	8,306	96						
47	71	81.059	2.427,661	20.706,705	8,529	8,059	97						
48	72	79.446	2.208,215	18.279,044	8,278	7,807	98						
49	73	77.695	2.004,223	16.070,829	8,018	7,548	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -25 Jahre

Zinsfuß 7,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	25	99.189	99.188,590	1.334.291,651	13,452	12,981	50	75	74.046	1.772,706	13.310,953	7,509	7,038
1	26	98.712	91.611,848	1.235.103,061	13,482	13,011	51	76	71.769	1.594,605	11.538,247	7,236	6,765
2	27	98.644	84.964,455	1.143.491,213	13,458	12,988	52	77	69.330	1.429,626	9.943,642	6,955	6,485
3	28	98.596	78.814,471	1.058.526,758	13,431	12,960	53	78	66.681	1.276,106	8.514,016	6,672	6,201
4	29	98.548	73.110,630	979.712,287	13,400	12,930	54	79	63.806	1.133,260	7.237,910	6,387	5,916
5	30	98.506	67.823,136	906.601,657	13,367	12,896	55	80	60.707	1.000,665	6.104,650	6,101	5,630
6	31	98.461	62.915,679	838.778,521	13,332	12,861	56	81	57.317	876,838	5.103,985	5,821	5,350
7	32	98.414	58.362,761	775.862,842	13,294	12,823	57	82	53.699	762,390	4.227,147	5,545	5,074
8	33	98.367	54.139,030	717.500,081	13,253	12,782	58	83	49.794	656,103	3.464,756	5,281	4,810
9	34	98.316	50.218,991	663.361,051	13,209	12,739	59	84	45.785	559,892	2.808,653	5,016	4,546
10	35	98.261	46.580,742	613.142,060	13,163	12,692	60	85	41.663	472,841	2.248,761	4,756	4,285
11	36	98.201	43.204,195	566.561,318	13,114	12,643	61	86	37.617	396,218	1.775,921	4,482	4,012
12	37	98.131	40.068,238	523.357,123	13,062	12,591	62	87	33.419	326,677	1.379,702	4,223	3,753
13	38	98.058	37.158,643	483.288,885	13,006	12,535	63	88	29.082	263,840	1.053,025	3,991	3,520
14	39	97.977	34.457,388	446.130,242	12,947	12,477	64	89	24.892	209,584	789,185	3,765	3,295
15	40	97.881	31.947,528	411.672,853	12,886	12,415	65	90	20.868	163,064	579,601	3,554	3,084
16	41	97.772	29.616,895	379.725,326	12,821	12,351	66	91	17.151	124,380	416,538	3,349	2,878
17	42	97.638	27.448,990	350.108,430	12,755	12,284	67	92	13.670	92,007	292,157	3,175	2,705
18	43	97.479	25.433,153	322.659,440	12,687	12,216	68	93	10.630	66,398	200,150	3,014	2,544
19	44	97.279	23.555,335	297.226,288	12,618	12,148	69	94	8.054	46,689	133,752	2,865	2,394
20	45	97.065	21.813,087	273.670,952	12,546	12,076	70	95	5.939	31,951	87,063	2,725	2,254
21	46	96.837	20.196,690	251.857,866	12,470	12,000	71	96	4.253	21,237	55,113	2,595	2,124
22	47	96.588	18.695,693	231.661,176	12,391	11,920	72	97	2.954	13,690	33,875	2,474	2,004
23	48	96.327	17.304,193	212.965,482	12,307	11,836	73	98	1.986	8,541	20,185	2,363	1,893
24	49	96.052	16.013,653	195.661,289	12,218	11,748	74	99	1.290	5,151	11,645	2,261	1,790
25	50	95.751	14.815,333	179.647,636	12,126	11,655	75	100	809	2,998	6,494	2,166	1,695
26	51	95.439	13.704,956	164.832,304	12,027	11,557	76	101	489	1,683	3,495	2,077	1,607
27	52	95.106	12.674,822	151.127,347	11,923	11,453	77	102	285	0,909	1,813	1,994	1,524
28	53	94.751	11.719,226	138.452,526	11,814	11,343	78	103	159	0,472	0,904	1,916	1,446
29	54	94.382	10.834,000	126.733,300	11,698	11,227	79	104	85	0,234	0,432	1,844	1,373
30	55	93.988	10.012,736	115.899,300	11,575	11,105	80	105	44	0,111	0,198	1,775	1,305
31	56	93.563	9.250,610	105.886,563	11,446	10,976	81	106					
32	57	93.114	8.544,033	96.635,953	11,310	10,840	82	107					
33	58	92.623	7.887,640	88.091,920	11,168	10,698	83	108					
34	59	92.096	7.278,673	80.204,280	11,019	10,548	84	109					
35	60	91.540	6.714,388	72.925,607	10,861	10,390	85	110					
36	61	90.941	6.190,666	66.211,219	10,695	10,225	86	111					
37	62	90.327	5.706,617	60.020,553	10,518	10,047	87	112					
38	63	89.650	5.256,478	54.313,936	10,333	9,862	88						
39	64	88.918	4.838,543	49.057,458	10,139	9,668	89						
40	65	88.131	4.450,818	44.218,915	9,935	9,464	90						
41	66	87.261	4.089,897	39.768,096	9,723	9,253	91						
42	67	86.307	3.754,207	35.678,199	9,504	9,033	92						
43	68	85.241	3.441,159	31.923,992	9,277	8,806	93						
44	69	84.057	3.149,308	28.482,833	9,044	8,573	94						
45	70	82.762	2.877,761	25.333,525	8,803	8,333	95						
46	71	81.335	2.624,713	22.455,764	8,556	8,085	96						
47	72	79.745	2.388,303	19.831,050	8,303	7,833	97						
48	73	78.013	2.168,403	17.442,747	8,044	7,573	98						
49	74	76.112	1.963,392	15.274,345	7,780	7,309	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 1 Jahr

Zinsfuß 7,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	49	91.859	2.199,165	24.294,431	11,047	10,576
1	0	99.544	92.384,009	1.263.794,405	13,680	13,209	51	50	91.184	2.025,987	22.095,266	10,906	10,435
2	1	99.126	85.379,167	1.171.410,396	13,720	13,249	52	51	90.482	1.865,799	20.069,280	10,756	10,286
3	2	99.070	79.193,880	1.086.031,229	13,714	13,243	53	52	89.702	1.716,663	18.203,481	10,604	10,133
4	3	99.033	73.469,864	1.006.837,349	13,704	13,233	54	53	88.868	1.578,390	16.486,818	10,445	9,975
5	4	99.002	68.164,642	933.367,486	13,693	13,222	55	54	87.986	1.450,323	14.908,428	10,279	9,809
6	5	98.976	63.245,017	865.202,843	13,680	13,210	56	55	87.024	1.331,285	13.458,105	10,109	9,638
7	6	98.952	58.681,558	801.957,827	13,666	13,196	57	56	86.015	1.221,214	12.126,820	9,930	9,459
8	7	98.930	54.449,100	743.276,269	13,651	13,180	58	57	84.929	1.119,059	10.905,606	9,745	9,275
9	8	98.910	50.522,399	688.827,168	13,634	13,163	59	58	83.744	1.024,081	9.786,547	9,556	9,086
10	9	98.891	46.879,649	638.304,770	13,616	13,145	60	59	82.465	935,905	8.762,465	9,363	8,892
11	10	98.875	43.500,895	591.425,121	13,596	13,125	61	60	81.122	854,444	7.826,561	9,160	8,689
12	11	98.853	40.362,834	547.924,226	13,575	13,104	62	61	79.706	779,150	6.972,117	8,948	8,478
13	12	98.831	37.451,302	507.561,392	13,553	13,082	63	62	78.190	709,355	6.192,966	8,730	8,260
14	13	98.809	34.750,131	470.110,090	13,528	13,058	64	63	76.575	644,738	5.483,611	8,505	8,035
15	14	98.782	32.241,627	435.359,959	13,503	13,032	65	64	74.854	584,915	4.838,873	8,273	7,802
16	15	98.747	29.912,080	403.118,332	13,477	13,006	66	65	73.005	529,438	4.253,958	8,035	7,564
17	16	98.691	27.745,040	373.206,253	13,451	12,981	67	66	71.024	478,019	3.724,520	7,792	7,321
18	17	98.620	25.730,955	345.461,213	13,426	12,955	68	67	68.873	430,203	3.246,501	7,546	7,076
19	18	98.524	23.856,874	319.730,258	13,402	12,931	69	68	66.561	385,859	2.816,298	7,299	6,828
20	19	98.416	22.116,755	295.873,384	13,378	12,907	70	69	64.105	344,894	2.430,439	7,047	6,576
21	20	98.314	20.504,700	273.756,629	13,351	12,880	71	70	61.483	306,991	2.085,545	6,793	6,323
22	21	98.206	19.008,957	253.251,929	13,323	12,852	72	71	58.700	272,017	1.778,554	6,538	6,068
23	22	98.108	17.624,109	234.242,972	13,291	12,820	73	72	55.716	239,615	1.506,537	6,287	5,817
24	23	98.009	16.339,933	216.618,863	13,257	12,786	74	73	52.589	209,902	1.266,921	6,036	5,565
25	24	97.912	15.149,714	200.278,930	13,220	12,749	75	74	49.330	182,734	1.057,019	5,784	5,314
26	25	97.814	14.045,958	185.129,216	13,180	12,710	76	75	45.979	158,068	874,285	5,531	5,060
27	26	97.720	13.023,164	171.083,258	13,137	12,666	77	76	42.552	135,767	716,217	5,275	4,805
28	27	97.623	12.074,438	158.060,094	13,090	12,620	78	77	39.059	115,657	580,450	5,019	4,548
29	28	97.522	11.194,475	145.985,656	13,041	12,570	79	78	35.494	97,542	464,793	4,765	4,294
30	29	97.425	10.378,915	134.791,182	12,987	12,516	80	79	31.903	81,367	367,251	4,514	4,043
31	30	97.325	9.622,549	124.412,267	12,929	12,459	81	80	28.289	66,962	285,884	4,269	3,799
32	31	97.217	8.920,466	114.789,717	12,868	12,397	82	81	24.702	54,264	218,923	4,034	3,564
33	32	97.102	8.269,118	105.869,251	12,803	12,332	83	82	21.136	43,090	164,659	3,821	3,351
34	33	96.983	7.664,897	97.600,134	12,733	12,263	84	83	17.755	33,595	121,569	3,619	3,148
35	34	96.851	7.103,959	89.935,237	12,660	12,189	85	84	14.665	25,753	87,974	3,416	2,945
36	35	96.705	6.583,015	82.831,277	12,583	12,112	86	85	11.920	19,426	62,221	3,203	2,732
37	36	96.546	6.099,505	76.248,263	12,501	12,030	87	86	9.443	14,282	42,795	2,996	2,526
38	37	96.375	5.650,758	70.148,758	12,414	11,943	88	87	7.216	10,129	28,513	2,815	2,344
39	38	96.183	5.233,885	64.498,000	12,323	11,852	89	88	5.312	6,920	18,384	2,657	2,186
40	39	95.968	4.846,554	59.264,115	12,228	11,757	90	89	3.784	4,575	11,464	2,506	2,035
41	40	95.726	4.486,623	54.417,561	12,129	11,658	91	90	2.598	2,915	6,889	2,364	1,893
42	41	95.461	4.152,393	49.930,939	12,025	11,554	92	91	1.711	1,782	3,974	2,231	1,760
43	42	95.156	3.841,429	45.778,545	11,917	11,446	93	92	1.071	1,035	2,193	2,119	1,649
44	43	94.814	3.552,306	41.937,117	11,806	11,335	94	93	640	0,574	1,158	2,018	1,547
45	44	94.436	3.283,691	38.384,811	11,690	11,219	95	94	365	0,304	0,584	1,925	1,454
46	45	94.015	3.033,902	35.101,121	11,570	11,099	96	95	197	0,153	0,281	1,840	1,369
47	46	93.547	2.801,679	32.067,218	11,446	10,975	97	96	101	0,073	0,128	1,763	1,292
48	47	93.029	2.585,768	29.265,539	11,318	10,847	98	97	49	0,033	0,055	1,692	1,222
49	48	92.469	2.385,340	26.679,771	11,185	10,714	99	98	23	0,014	0,023	1,628	1,157
							100	99	10	0,006	0,009	1,569	1,099

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 2 Jahre

Zinsfuß 7,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	48	92.054	2.203,837	24.442,756	11,091	10,620
1							51	49	91.404	2.030,874	22.238,920	10,950	10,480
2	0	99.504	85.704,582	1.172.118,463	13,676	13,206	52	50	90.711	1.870,525	20.208,045	10,803	10,333
3	1	99.106	79.222,253	1.086.413,882	13,713	13,243	53	51	89.952	1.721,444	18.337,521	10,652	10,182
4	2	99.052	73.484,393	1.007.191,629	13,706	13,236	54	52	89.138	1.583,177	16.616,077	10,495	10,025
5	3	99.019	68.176,345	933.707,236	13,695	13,225	55	53	88.265	1.454,917	15.032,900	10,332	9,862
6	4	98.989	63.253,186	865.530,892	13,684	13,213	56	54	87.328	1.335,932	13.577,983	10,164	9,693
7	5	98.964	58.689,230	802.277,706	13,670	13,199	57	55	86.342	1.225,856	12.242,051	9,987	9,516
8	6	98.939	54.454,118	743.588,476	13,655	13,185	58	56	85.271	1.123,570	11.016,195	9,805	9,334
9	7	98.918	50.526,799	689.134,358	13,639	13,168	59	57	84.119	1.028,672	9.892,625	9,617	9,146
10	8	98.901	46.884,149	638.607,558	13,621	13,150	60	58	82.864	940,433	8.863,953	9,425	8,955
11	9	98.882	43.503,706	591.723,409	13,602	13,131	61	59	81.536	858,810	7.923,519	9,226	8,755
12	10	98.861	40.366,228	548.219,703	13,581	13,110	62	60	80.147	783,463	7.064,709	9,017	8,547
13	11	98.840	37.454,814	507.853,475	13,559	13,088	63	61	78.633	713,369	6.281,246	8,805	8,334
14	12	98.818	34.753,082	470.398,660	13,535	13,065	64	62	77.060	648,821	5.567,877	8,582	8,111
15	13	98.791	32.244,751	435.645,578	13,511	13,040	65	63	75.367	588,921	4.919,056	8,353	7,882
16	14	98.758	29.915,565	403.400,827	13,485	13,014	66	64	73.543	533,338	4.330,135	8,119	7,648
17	15	98.709	27.749,998	373.485,261	13,459	12,988	67	65	71.609	481,956	3.796,797	7,878	7,407
18	16	98.641	25.736,406	345.735,263	13,434	12,963	68	66	69.502	434,135	3.314,842	7,636	7,165
19	17	98.546	23.862,124	319.998,858	13,410	12,940	69	67	67.245	389,822	2.880,707	7,390	6,919
20	18	98.445	22.123,117	296.136,734	13,386	12,915	70	68	64.847	348,884	2.490,885	7,140	6,669
21	19	98.341	20.510,386	274.013,617	13,360	12,889	71	69	62.277	310,959	2.142,001	6,888	6,418
22	20	98.237	19.014,963	253.503,231	13,332	12,861	72	70	59.547	275,939	1.831,042	6,636	6,165
23	21	98.132	17.628,422	234.488,268	13,302	12,831	73	71	56.634	243,564	1.555,103	6,385	5,914
24	22	98.035	16.344,358	216.859,846	13,268	12,798	74	72	53.555	213,756	1.311,539	6,136	5,665
25	23	97.938	15.153,668	200.515,488	13,232	12,761	75	73	50.356	186,534	1.097,783	5,885	5,414
26	24	97.840	14.049,775	185.361,820	13,193	12,723	76	74	47.050	161,750	911,249	5,634	5,163
27	25	97.744	13.026,369	171.312,045	13,151	12,681	77	75	43.685	139,381	749,499	5,377	4,907
28	26	97.650	12.077,819	158.285,676	13,105	12,635	78	76	40.223	119,105	610,119	5,123	4,652
29	27	97.551	11.197,738	146.207,857	13,057	12,586	79	77	36.688	100,822	491,014	4,870	4,399
30	28	97.454	10.381,997	135.010,119	13,004	12,534	80	78	33.131	84,498	390,191	4,618	4,147
31	29	97.354	9.625,367	124.628,122	12,948	12,477	81	79	29.532	69,902	305,693	4,373	3,903
32	30	97.248	8.923,388	115.002,755	12,888	12,417	82	80	25.967	57,043	235,791	4,134	3,663
33	31	97.137	8.272,072	106.079,368	12,824	12,353	83	81	22.383	45,634	178,748	3,917	3,446
34	32	97.017	7.667,623	97.807,295	12,756	12,285	84	82	18.982	35,916	133,114	3,706	3,236
35	33	96.890	7.106,799	90.139,672	12,684	12,213	85	83	15.797	27,741	97,198	3,504	3,033
36	34	96.750	6.586,102	83.032,873	12,607	12,137	86	84	12.961	21,123	69,458	3,288	2,818
37	35	96.595	6.102,630	76.446,771	12,527	12,056	87	85	10.341	15,640	48,334	3,090	2,620
38	36	96.429	5.653,955	70.344,141	12,442	11,971	88	86	8.025	11,265	32,694	2,902	2,432
39	37	96.242	5.237,096	64.690,186	12,352	11,882	89	87	6.022	7,845	21,430	2,732	2,261
40	38	96.035	4.849,947	59.453,090	12,259	11,788	90	88	4.357	5,268	13,585	2,579	2,108
41	39	95.802	4.490,216	54.603,143	12,160	11,690	91	89	3.050	3,422	8,317	2,431	1,960
42	40	95.544	4.156,009	50.112,927	12,058	11,587	92	90	2.045	2,130	4,895	2,299	1,828
43	41	95.250	3.845,229	45.956,919	11,952	11,481	93	91	1.317	1,273	2,766	2,172	1,701
44	42	94.920	3.556,305	42.111,689	11,841	11,371	94	92	805	0,722	1,492	2,066	1,595
45	43	94.559	3.287,959	38.555,384	11,726	11,256	95	93	470	0,391	0,770	1,969	1,498
46	44	94.146	3.038,131	35.267,425	11,608	11,138	96	94	261	0,202	0,379	1,880	1,410
47	45	93.696	2.806,129	32.229,294	11,485	11,015	97	95	137	0,099	0,177	1,800	1,329
48	46	93.197	2.590,421	29.423,165	11,358	10,888	98	96	69	0,046	0,079	1,726	1,255
49	47	92.649	2.389,988	26.832,744	11,227	10,756	99	97	32	0,020	0,033	1,659	1,188
							100	98	14	0,008	0,013	1,598	1,127

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 3 Jahre

Zinsfuß 7,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	47	92.234	2.208,131	24.579,631	11,131	10,661
1							51	48	91.598	2.035,189	22.371,501	10,992	10,522
2							52	49	90.930	1.875,037	20.336,312	10,846	10,375
3	0	99.484	79.524,201	1.087.065,683	13,670	13,199	53	50	90.179	1.725,804	18.461,275	10,697	10,227
4	1	99.088	73.510,720	1.007.541,482	13,706	13,235	54	51	89.386	1.587,586	16.735,470	10,541	10,071
5	2	99.039	68.189,827	934.030,762	13,698	13,227	55	52	88.533	1.459,329	15.147,884	10,380	9,909
6	3	99.006	63.264,045	865.840,936	13,686	13,215	56	53	87.604	1.340,164	13.688,556	10,214	9,743
7	4	98.977	58.696,811	802.576,891	13,673	13,203	57	54	86.644	1.230,134	12.348,392	10,038	9,568
8	5	98.952	54.461,237	743.880,080	13,659	13,188	58	55	85.595	1.127,841	11.118,257	9,858	9,387
9	6	98.928	50.531,455	689.418,842	13,643	13,173	59	56	84.459	1.032,819	9.990,416	9,673	9,202
10	7	98.909	46.888,233	638.887,387	13,626	13,155	60	57	83.235	944,650	8.957,598	9,482	9,012
11	8	98.891	43.507,883	591.999,154	13,607	13,136	61	58	81.931	862,966	8.012,948	9,285	8,815
12	9	98.868	40.368,837	548.491,271	13,587	13,116	62	59	80.557	787,466	7.149,982	9,080	8,609
13	10	98.848	37.457,964	508.122,435	13,565	13,094	63	60	79.068	717,318	6.362,516	8,870	8,399
14	11	98.827	34.756,342	470.664,470	13,542	13,071	64	61	77.496	652,492	5.645,198	8,652	8,181
15	12	98.800	32.247,490	435.908,129	13,518	13,047	65	62	75.844	592,651	4.992,706	8,424	7,954
16	13	98.768	29.918,464	403.660,639	13,492	13,021	66	63	74.047	536,991	4.400,055	8,194	7,723
17	14	98.720	27.753,232	373.742,175	13,467	12,996	67	64	72.136	485,506	3.863,065	7,957	7,486
18	15	98.659	25.741,005	345.988,943	13,441	12,970	68	65	70.075	437,710	3.377,559	7,716	7,246
19	16	98.567	23.867,178	320.247,938	13,418	12,947	69	66	67.859	393,385	2.939,849	7,473	7,003
20	17	98.466	22.127,986	296.380,760	13,394	12,923	70	67	65.513	352,467	2.546,465	7,225	6,754
21	18	98.370	20.516,286	274.252,774	13,368	12,897	71	68	62.998	314,556	2.193,998	6,975	6,504
22	19	98.264	19.020,235	253.736,488	13,340	12,870	72	69	60.316	279,505	1.879,441	6,724	6,254
23	20	98.163	17.633,992	234.716,253	13,310	12,840	73	70	57.450	247,076	1.599,936	6,475	6,005
24	21	98.059	16.348,358	217.082,261	13,279	12,808	74	71	54.437	217,279	1.352,860	6,226	5,756
25	22	97.964	15.157,772	200.733,903	13,243	12,772	75	72	51.281	189,959	1.135,582	5,978	5,507
26	23	97.866	14.053,442	185.576,131	13,205	12,734	76	73	48.028	165,113	945,623	5,727	5,256
27	24	97.771	13.029,909	171.522,689	13,164	12,693	77	74	44.703	142,627	780,509	5,472	5,002
28	25	97.674	12.080,792	158.492,780	13,119	12,649	78	75	41.294	122,275	637,882	5,217	4,746
29	26	97.578	11.200,874	146.411,988	13,071	12,601	79	76	37.782	103,828	515,607	4,966	4,495
30	27	97.482	10.385,023	135.211,114	13,020	12,549	80	77	34.245	87,340	411,779	4,715	4,244
31	28	97.383	9.628,224	124.826,091	12,965	12,494	81	78	30.668	72,592	324,439	4,469	3,999
32	29	97.277	8.926,001	115.197,867	12,906	12,435	82	79	27.107	59,548	251,847	4,229	3,759
33	30	97.169	8.274,782	106.271,866	12,843	12,372	83	80	23.529	47,971	192,299	4,009	3,538
34	31	97.052	7.670,363	97.997,084	12,776	12,305	84	81	20.102	38,036	144,328	3,794	3,324
35	32	96.924	7.109,327	90.326,721	12,705	12,235	85	82	16.889	29,657	106,292	3,584	3,113
36	33	96.789	6.588,735	83.217,394	12,630	12,160	86	83	13.962	22,754	76,635	3,368	2,897
37	34	96.641	6.105,492	76.628,659	12,551	12,080	87	84	11.244	17,007	53,881	3,168	2,697
38	35	96.479	5.656,851	70.523,167	12,467	11,996	88	85	8.788	12,336	36,874	2,989	2,519
39	36	96.296	5.240,059	64.866,317	12,379	11,908	89	86	6.697	8,724	24,538	2,813	2,342
40	37	96.094	4.852,923	59.626,257	12,287	11,816	90	87	4.939	5,971	15,814	2,648	2,178
41	38	95.869	4.493,359	54.773,335	12,190	11,719	91	88	3.511	3,940	9,843	2,498	2,027
42	39	95.620	4.159,337	50.279,976	12,088	11,618	92	89	2.401	2,500	5,903	2,361	1,890
43	40	95.333	3.848,578	46.120,638	11,984	11,513	93	90	1.575	1,522	3,402	2,235	1,765
44	41	95.014	3.559,824	42.272,061	11,875	11,404	94	91	991	0,889	1,880	2,115	1,644
45	42	94.666	3.291,661	38.712,236	11,761	11,290	95	92	591	0,492	0,991	2,014	1,543
46	43	94.268	3.042,080	35.420,576	11,644	11,173	96	93	336	0,260	0,499	1,922	1,451
47	44	93.826	2.810,041	32.378,496	11,522	11,052	97	94	182	0,130	0,239	1,837	1,367
48	45	93.345	2.594,536	29.568,455	11,396	10,926	98	95	93	0,062	0,109	1,760	1,290
49	46	92.816	2.394,288	26.973,919	11,266	10,795	99	96	45	0,028	0,047	1,690	1,220
							100	97	21	0,012	0,019	1,626	1,156

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 4 Jahre

Zinsfuß 7,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	46	92.399	2.212,104	24.705,887	11,169	10,698
1							51	47	91.776	2.039,154	22.493,783	11,031	10,560
2							52	48	91.123	1.879,021	20.454,629	10,886	10,415
3							53	49	90.397	1.729,968	18.575,608	10,738	10,267
4	0	99.465	73.790,899	1.008.141,423	13,662	13,191	54	50	89.613	1.591,607	16.845,640	10,584	10,113
5	1	99.074	68.214,257	934.350,523	13,697	13,227	55	51	88.779	1.463,393	15.254,033	10,424	9,953
6	2	99.025	63.276,556	866.136,266	13,688	13,217	56	52	87.870	1.344,228	13.790,640	10,259	9,788
7	3	98.994	58.706,888	802.859,711	13,676	13,205	57	53	86.918	1.234,031	12.446,412	10,086	9,615
8	4	98.965	54.468,272	744.152,823	13,662	13,191	58	54	85.894	1.131,778	11.212,382	9,907	9,436
9	5	98.940	50.538,062	689.684,551	13,647	13,176	59	55	84.780	1.036,745	10.080,604	9,723	9,253
10	6	98.918	46.892,554	639.146,489	13,630	13,159	60	56	83.571	948,457	9.043,859	9,535	9,065
11	7	98.900	43.511,672	592.253,935	13,611	13,141	61	57	82.298	866,835	8.095,402	9,339	8,868
12	8	98.877	40.372,712	548.742,263	13,592	13,121	62	58	80.947	791,277	7.228,567	9,135	8,665
13	9	98.855	37.460,385	508.369,551	13,571	13,100	63	59	79.472	720,983	6.437,290	8,928	8,458
14	10	98.835	34.759,265	470.909,166	13,548	13,077	64	60	77.925	656,104	5.716,307	8,713	8,242
15	11	98.809	32.250,514	436.149,901	13,524	13,053	65	61	76.273	596,005	5.060,204	8,490	8,020
16	12	98.776	29.921,005	403.899,387	13,499	13,028	66	62	74.516	540,391	4.464,199	8,261	7,790
17	13	98.730	27.755,921	373.978,382	13,474	13,003	67	63	72.630	488,831	3.923,808	8,027	7,556
18	14	98.670	25.744,005	346.222,460	13,449	12,978	68	64	70.591	440,934	3.434,977	7,790	7,320
19	15	98.584	23.871,443	320.478,456	13,425	12,955	69	65	68.418	396,624	2.994,043	7,549	7,078
20	16	98.487	22.132,673	296.607,013	13,401	12,931	70	66	66.112	355,688	2.597,419	7,303	6,832
21	17	98.391	20.520,801	274.474,339	13,375	12,905	71	67	63.645	317,787	2.241,731	7,054	6,584
22	18	98.293	19.025,707	253.953,539	13,348	12,877	72	68	61.014	282,739	1.923,944	6,805	6,334
23	19	98.190	17.638,882	234.927,832	13,319	12,848	73	69	58.193	250,269	1.641,205	6,558	6,087
24	20	98.090	16.353,523	217.288,950	13,287	12,816	74	70	55.222	220,411	1.390,936	6,311	5,840
25	21	97.988	15.161,481	200.935,427	13,253	12,782	75	71	52.126	193,089	1.170,525	6,062	5,591
26	22	97.893	14.057,248	185.773,946	13,216	12,745	76	72	48.910	168,145	977,435	5,813	5,342
27	23	97.796	13.033,310	171.716,698	13,175	12,705	77	73	45.632	145,593	809,291	5,559	5,088
28	24	97.701	12.084,075	158.683,388	13,132	12,661	78	74	42.256	125,123	663,697	5,304	4,834
29	25	97.602	11.203,631	146.599,313	13,085	12,614	79	75	38.787	106,592	538,574	5,053	4,582
30	26	97.510	10.387,931	135.395,683	13,034	12,563	80	76	35.266	89,943	431,983	4,803	4,332
31	27	97.411	9.631,031	125.007,751	12,980	12,509	81	77	31.700	75,034	342,039	4,558	4,088
32	28	97.306	8.928,651	115.376,720	12,922	12,451	82	78	28.150	61,840	267,006	4,318	3,847
33	29	97.197	8.277,205	106.448,069	12,860	12,390	83	79	24.563	50,077	205,166	4,097	3,626
34	30	97.084	7.672,875	98.170,865	12,795	12,324	84	80	21.132	39,984	155,089	3,879	3,408
35	31	96.959	7.111,867	90.497,989	12,725	12,254	85	81	17.886	31,408	115,104	3,665	3,194
36	32	96.823	6.591,079	83.386,122	12,651	12,181	86	82	14.926	24,326	83,696	3,441	2,970
37	33	96.679	6.107,933	76.795,043	12,573	12,102	87	83	12.112	18,320	59,371	3,241	2,770
38	34	96.524	5.659,504	70.687,111	12,490	12,019	88	84	9.556	13,414	41,051	3,060	2,590
39	35	96.346	5.242,743	65.027,607	12,403	11,933	89	85	7.333	9,554	27,637	2,893	2,422
40	36	96.148	4.855,669	59.784,864	12,312	11,842	90	86	5.493	6,641	18,084	2,723	2,252
41	37	95.928	4.496,116	54.929,195	12,217	11,746	91	87	3.981	4,467	11,443	2,562	2,091
42	38	95.687	4.162,249	50.433,079	12,117	11,646	92	88	2.765	2,879	6,976	2,423	1,952
43	39	95.409	3.851,660	46.270,830	12,013	11,543	93	89	1.849	1,787	4,097	2,293	1,822
44	40	95.097	3.562,924	42.419,170	11,906	11,435	94	90	1.185	1,063	2,310	2,174	1,703
45	41	94.759	3.294,918	38.856,246	11,793	11,322	95	91	728	0,606	1,247	2,059	1,589
46	42	94.374	3.045,505	35.561,329	11,677	11,206	96	92	423	0,327	0,642	1,963	1,493
47	43	93.948	2.813,693	32.515,823	11,556	11,086	97	93	234	0,168	0,315	1,876	1,405
48	44	93.475	2.598,152	29.702,130	11,432	10,961	98	94	123	0,082	0,147	1,796	1,325
49	45	92.963	2.398,091	27.103,978	11,302	10,832	99	95	61	0,038	0,065	1,723	1,252
							100	96	29	0,016	0,027	1,656	1,185

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 5 Jahre

Zinsfuß 7,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	45	92.546	2.215,618	24.822,147	11,203	10,733
1							51	46	91.942	2.042,823	22.606,530	11,066	10,596
2							52	47	91.301	1.882,682	20.563,707	10,923	10,452
3							53	48	90.589	1.733,643	18.681,025	10,776	10,305
4							54	49	89.829	1.595,447	16.947,382	10,622	10,152
5	0	99.452	68.474,249	934.902,687	13,653	13,183	55	50	89.004	1.467,100	15.351,935	10,464	9,993
6	1	99.061	63.299,226	866.428,437	13,688	13,217	56	51	88.115	1.347,971	13.884,835	10,301	9,830
7	2	99.014	58.718,497	803.129,212	13,678	13,207	57	52	87.182	1.237,773	12.536,864	10,129	9,658
8	3	98.982	54.477,623	744.410,714	13,665	13,194	58	53	86.166	1.135,363	11.299,091	9,952	9,481
9	4	98.953	50.544,590	689.933,091	13,650	13,179	59	54	85.076	1.040,364	10.163,728	9,769	9,299
10	5	98.931	46.898,684	639.388,501	13,633	13,163	60	55	83.888	952,063	9.123,365	9,583	9,112
11	6	98.909	43.515,682	592.489,817	13,616	13,145	61	56	82.630	870,329	8.171,302	9,389	8,918
12	7	98.886	40.376,228	548.974,135	13,596	13,126	62	57	81.310	794,824	7.300,973	9,186	8,715
13	8	98.864	37.463,981	508.597,907	13,576	13,105	63	58	79.856	724,472	6.506,149	8,981	8,510
14	9	98.842	34.761,511	471.133,926	13,553	13,083	64	59	78.323	659,456	5.781,677	8,767	8,297
15	10	98.817	32.253,227	436.372,415	13,530	13,059	65	60	76.695	599,303	5.122,221	8,547	8,076
16	11	98.786	29.923,812	404.119,188	13,505	13,034	66	61	74.938	543,449	4.522,918	8,323	7,852
17	12	98.738	27.758,279	374.195,377	13,480	13,010	67	62	73.090	491,927	3.979,469	8,090	7,619
18	13	98.680	25.746,499	346.437,098	13,456	12,985	68	63	71.074	443,954	3.487,542	7,856	7,385
19	14	98.596	23.874,225	320.690,599	13,433	12,962	69	64	68.922	399,546	3.043,588	7,618	7,147
20	15	98.505	22.136,628	296.816,374	13,408	12,938	70	65	66.656	358,617	2.644,043	7,373	6,902
21	16	98.412	20.525,148	274.679,745	13,383	12,912	71	66	64.226	320,691	2.285,425	7,127	6,656
22	17	98.314	19.029,894	254.154,598	13,356	12,885	72	67	61.641	285,642	1.964,734	6,878	6,408
23	18	98.219	17.643,956	235.124,704	13,326	12,855	73	68	58.866	253,165	1.679,092	6,632	6,162
24	19	98.117	16.358,058	217.480,748	13,295	12,824	74	69	55.936	223,260	1.425,927	6,387	5,916
25	20	98.019	15.166,272	201.122,690	13,261	12,791	75	70	52.878	195,873	1.202,668	6,140	5,669
26	21	97.916	14.060,688	185.956,419	13,225	12,755	76	71	49.716	170,916	1.006,794	5,891	5,420
27	22	97.823	13.036,839	171.895,731	13,185	12,715	77	72	46.470	148,266	835,878	5,638	5,167
28	23	97.726	12.087,229	158.858,892	13,143	12,672	78	73	43.134	127,725	687,612	5,384	4,913
29	24	97.629	11.206,675	146.771,663	13,097	12,626	79	74	39.691	109,075	559,887	5,133	4,662
30	25	97.534	10.390,488	135.564,987	13,047	12,576	80	75	36.204	92,337	450,812	4,882	4,412
31	26	97.438	9.633,728	125.174,499	12,993	12,523	81	76	32.645	77,270	358,475	4,639	4,169
32	27	97.334	8.931,254	115.540,771	12,937	12,466	82	77	29.097	63,919	281,205	4,399	3,929
33	28	97.226	8.279,662	106.609,517	12,876	12,405	83	78	25.508	52,005	217,285	4,178	3,708
34	29	97.112	7.675,122	98.329,855	12,812	12,341	84	79	22.060	41,740	165,281	3,960	3,489
35	30	96.991	7.114,197	90.654,733	12,743	12,272	85	80	18.802	33,016	123,541	3,742	3,271
36	31	96.858	6.593,434	83.540,537	12,670	12,200	86	81	15.807	25,762	90,524	3,514	3,043
37	32	96.714	6.110,105	76.947,103	12,593	12,123	87	82	12.949	19,586	64,762	3,307	2,836
38	33	96.563	5.661,766	70.836,998	12,511	12,041	88	83	10.293	14,449	45,177	3,127	2,656
39	34	96.391	5.245,202	65.175,231	12,426	11,955	89	84	7.974	10,388	30,728	2,958	2,487
40	35	96.197	4.858,156	59.930,029	12,336	11,865	90	85	6.015	7,272	20,339	2,797	2,326
41	36	95.982	4.498,660	55.071,873	12,242	11,771	91	86	4.427	4,967	13,067	2,631	2,160
42	37	95.746	4.164,803	50.573,213	12,143	11,672	92	87	3.134	3,264	8,100	2,482	2,011
43	38	95.476	3.854,356	46.408,411	12,041	11,570	93	88	2.129	2,058	4,836	2,350	1,880
44	39	95.173	3.565,777	42.554,055	11,934	11,463	94	89	1.391	1,248	2,778	2,227	1,756
45	40	94.842	3.297,787	38.988,277	11,823	11,352	95	90	870	0,724	1,531	2,114	1,643
46	41	94.468	3.048,519	35.690,491	11,707	11,237	96	91	521	0,402	0,807	2,005	1,535
47	42	94.054	2.816,861	32.641,972	11,588	11,117	97	92	295	0,211	0,404	1,914	1,444
48	43	93.596	2.601,529	29.825,111	11,464	10,994	98	93	159	0,105	0,193	1,831	1,361
49	44	93.093	2.401,434	27.223,582	11,336	10,866	99	94	81	0,050	0,088	1,755	1,285
							100	95	39	0,022	0,038	1,686	1,215

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 6 Jahre

Zinsfuß 7,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	44	92.675	2.218,706	24.929,019	11,236	10,765
1							51	45	92.088	2.046,068	22.710,313	11,099	10,629
2							52	46	91.465	1.886,069	20.664,245	10,956	10,486
3							53	47	90.766	1.737,021	18.778,175	10,811	10,340
4							54	48	90.020	1.598,836	17.041,154	10,658	10,188
5							55	49	89.219	1.470,639	15.442,318	10,500	10,030
6	0	99.438	63.540,485	866.936,590	13,644	13,173	56	50	88.338	1.351,386	13.971,679	10,339	9,868
7	1	99.049	58.739,534	803.396,105	13,677	13,207	57	51	87.425	1.241,220	12.620,293	10,168	9,697
8	2	99.002	54.488,396	744.656,571	13,666	13,196	58	52	86.427	1.138,805	11.379,073	9,992	9,521
9	3	98.970	50.553,267	690.168,175	13,652	13,182	59	53	85.345	1.043,659	10.240,267	9,812	9,341
10	4	98.944	46.904,742	639.614,907	13,636	13,166	60	54	84.181	955,386	9.196,608	9,626	9,155
11	5	98.922	43.521,371	592.710,165	13,619	13,148	61	55	82.944	873,637	8.241,223	9,433	8,963
12	6	98.895	40.379,949	549.188,794	13,601	13,130	62	56	81.637	798,028	7.367,586	9,232	8,762
13	7	98.873	37.467,244	508.808,845	13,580	13,109	63	57	80.214	727,720	6.569,558	9,028	8,557
14	8	98.851	34.764,848	471.341,600	13,558	13,087	64	58	78.702	662,647	5.841,838	8,816	8,345
15	9	98.824	32.255,311	436.576,753	13,535	13,064	65	59	77.087	602,366	5.179,191	8,598	8,127
16	10	98.794	29.926,328	404.321,442	13,511	13,040	66	60	75.352	546,457	4.576,825	8,375	7,905
17	11	98.748	27.760,882	374.395,113	13,486	13,016	67	61	73.504	494,711	4.030,368	8,147	7,676
18	12	98.688	25.748,686	346.634,231	13,462	12,992	68	62	71.524	446,765	3.535,657	7,914	7,443
19	13	98.605	23.876,539	320.885,545	13,439	12,969	69	63	69.394	402,282	3.088,892	7,678	7,208
20	14	98.516	22.139,208	297.009,007	13,416	12,945	70	64	67.147	361,259	2.686,610	7,437	6,966
21	15	98.430	20.528,815	274.869,799	13,389	12,919	71	65	64.755	323,332	2.325,351	7,192	6,721
22	16	98.335	19.033,925	254.340,983	13,363	12,892	72	66	62.204	288,253	2.002,019	6,945	6,475
23	17	98.240	17.647,839	235.307,058	13,333	12,863	73	67	59.470	255,764	1.713,766	6,701	6,230
24	18	98.146	16.362,764	217.659,220	13,302	12,831	74	68	56.583	225,843	1.458,002	6,456	5,985
25	19	98.046	15.170,477	201.296,456	13,269	12,798	75	69	53.561	198,405	1.232,159	6,210	5,740
26	20	97.947	14.065,130	186.125,979	13,233	12,762	76	70	50.433	173,380	1.033,754	5,962	5,492
27	21	97.846	13.040,030	172.060,849	13,195	12,724	77	71	47.236	150,710	860,374	5,709	5,238
28	22	97.753	12.090,502	159.020,819	13,153	12,682	78	72	43.926	130,070	709,665	5,456	4,985
29	23	97.654	11.209,600	146.930,317	13,108	12,637	79	73	40.516	111,343	579,594	5,205	4,735
30	24	97.560	10.393,312	135.720,717	13,058	12,588	80	74	37.048	94,488	468,252	4,956	4,485
31	25	97.462	9.636,099	125.327,405	13,006	12,535	81	75	33.514	79,327	373,764	4,712	4,241
32	26	97.361	8.933,755	115.691,306	12,950	12,479	82	76	29.964	65,825	294,436	4,473	4,002
33	27	97.254	8.282,076	106.757,551	12,890	12,420	83	77	26.366	53,754	228,612	4,253	3,782
34	28	97.141	7.677,401	98.475,475	12,827	12,356	84	78	22.909	43,346	174,858	4,034	3,563
35	29	97.019	7.116,280	90.798,075	12,759	12,289	85	79	19.627	34,466	131,512	3,816	3,345
36	30	96.889	6.595,593	83.681,795	12,688	12,217	86	80	16.617	27,081	97,045	3,584	3,113
37	31	96.748	6.112,288	77.086,202	12,612	12,141	87	81	13.714	20,742	69,964	3,373	2,902
38	32	96.597	5.663,780	70.973,913	12,531	12,061	88	82	11.004	15,447	49,223	3,187	2,716
39	33	96.429	5.247,299	65.310,133	12,446	11,976	89	83	8.590	11,190	33,775	3,018	2,548
40	34	96.242	4.860,434	60.062,834	12,358	11,887	90	84	6.540	7,908	22,585	2,856	2,385
41	35	96.032	4.500,964	55.202,400	12,265	11,794	91	85	4.848	5,440	14,677	2,698	2,227
42	36	95.800	4.167,159	50.701,435	12,167	11,696	92	86	3.485	3,630	9,237	2,545	2,074
43	37	95.535	3.856,721	46.534,276	12,066	11,595	93	87	2.413	2,333	5,608	2,404	1,934
44	38	95.240	3.568,273	42.677,555	11,960	11,490	94	88	1.602	1,437	3,275	2,280	1,809
45	39	94.918	3.300,428	39.109,282	11,850	11,379	95	89	1.021	0,850	1,839	2,163	1,692
46	40	94.550	3.051,173	35.808,854	11,736	11,265	96	90	622	0,481	0,989	2,056	1,586
47	41	94.147	2.819,648	32.757,681	11,618	11,147	97	91	363	0,260	0,508	1,953	1,483
48	42	93.702	2.604,458	29.938,032	11,495	11,024	98	92	199	0,133	0,248	1,867	1,396
49	43	93.214	2.404,555	27.333,574	11,367	10,897	99	93	104	0,064	0,115	1,788	1,318
							100	94	52	0,030	0,051	1,716	1,246

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 7 Jahre

Zinsfuß 7,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	43	92.796	2.221,590	25.027,272	11,265	10,795
1							51	44	92.216	2.048,920	22.805,682	11,131	10,660
2							52	45	91.611	1.889,065	20.756,762	10,988	10,517
3							53	46	90.929	1.740,146	18.867,697	10,843	10,372
4							54	47	90.195	1.601,952	17.127,550	10,692	10,221
5							55	48	89.408	1.473,764	15.525,599	10,535	10,064
6							56	49	88.551	1.354,646	14.051,835	10,373	9,902
7	0	99.427	58.963,415	803.863,733	13,633	13,163	57	50	87.646	1.244,364	12.697,189	10,204	9,733
8	1	99.037	54.507,918	744.900,319	13,666	13,195	58	51	86.668	1.141,977	11.452,825	10,029	9,558
9	2	98.990	50.563,264	690.392,401	13,654	13,183	59	52	85.604	1.046,824	10.310,848	9,850	9,379
10	3	98.961	46.912,795	639.829,137	13,639	13,168	60	53	84.448	958,412	9.264,024	9,666	9,195
11	4	98.935	43.526,993	592.916,342	13,622	13,151	61	54	83.234	876,686	8.305,612	9,474	9,003
12	5	98.908	40.385,228	549.389,349	13,604	13,133	62	55	81.948	801,061	7.428,926	9,274	8,803
13	6	98.882	37.470,697	509.004,120	13,584	13,113	63	56	80.538	730,653	6.627,865	9,071	8,600
14	7	98.860	34.767,876	471.533,424	13,562	13,092	64	57	79.055	665,618	5.897,212	8,860	8,389
15	8	98.833	32.258,408	436.765,548	13,540	13,069	65	58	77.460	605,280	5.231,593	8,643	8,173
16	9	98.800	29.928,262	404.507,140	13,516	13,045	66	59	75.737	549,249	4.626,313	8,423	7,952
17	10	98.756	27.763,217	374.578,878	13,492	13,021	67	60	73.910	497,449	4.077,064	8,196	7,725
18	11	98.698	25.751,101	346.815,662	13,468	12,997	68	61	71.929	449,294	3.579,615	7,967	7,497
19	12	98.614	23.878,567	321.064,561	13,446	12,975	69	62	69.834	404,829	3.130,321	7,732	7,262
20	13	98.526	22.141,353	297.185,994	13,422	12,952	70	63	67.607	363,733	2.725,492	7,493	7,022
21	14	98.441	20.531,208	275.044,641	13,396	12,926	71	64	65.232	325,714	2.361,759	7,251	6,780
22	15	98.353	19.037,326	254.513,433	13,369	12,899	72	65	62.716	290,626	2.036,045	7,006	6,535
23	16	98.261	17.651,577	235.476,107	13,340	12,870	73	66	60.014	258,102	1.745,419	6,763	6,292
24	17	98.167	16.366,365	217.824,530	13,309	12,839	74	67	57.164	228,162	1.487,317	6,519	6,048
25	18	98.075	15.174,841	201.458,165	13,276	12,805	75	68	54.181	200,700	1.259,155	6,274	5,803
26	19	97.975	14.069,030	186.283,324	13,241	12,770	76	69	51.085	175,621	1.058,454	6,027	5,556
27	20	97.877	13.044,150	172.214,294	13,202	12,732	77	70	47.917	152,883	882,833	5,775	5,304
28	21	97.776	12.093,461	159.170,144	13,162	12,691	78	71	44.650	132,214	729,951	5,521	5,050
29	22	97.681	11.212,636	147.076,683	13,117	12,646	79	72	41.260	113,387	597,737	5,272	4,801
30	23	97.586	10.396,024	135.864,047	13,069	12,598	80	73	37.818	96,453	484,350	5,022	4,551
31	24	97.489	9.638,718	125.468,023	13,017	12,546	81	74	34.294	81,175	387,897	4,779	4,308
32	25	97.385	8.935,954	115.829,305	12,962	12,492	82	75	30.762	67,577	306,722	4,539	4,068
33	26	97.282	8.284,395	106.893,352	12,903	12,432	83	76	27.152	55,356	239,145	4,320	3,849
34	27	97.169	7.679,639	98.608,956	12,840	12,370	84	77	23.679	44,804	183,789	4,102	3,631
35	28	97.048	7.118,393	90.929,318	12,774	12,303	85	78	20.383	35,793	138,985	3,883	3,412
36	29	96.918	6.597,524	83.810,925	12,703	12,233	86	79	17.347	28,270	103,192	3,650	3,180
37	30	96.780	6.114,290	77.213,401	12,628	12,158	87	80	14.416	21,804	74,922	3,436	2,966
38	31	96.631	5.665,804	71.099,110	12,549	12,078	88	81	11.654	16,359	53,118	3,247	2,776
39	32	96.464	5.249,165	65.433,306	12,465	11,995	89	82	9.183	11,963	36,759	3,073	2,602
40	33	96.281	4.862,377	60.184,141	12,378	11,907	90	83	7.045	8,518	24,796	2,911	2,440
41	34	96.077	4.503,075	55.321,763	12,285	11,815	91	84	5.272	5,915	16,278	2,752	2,281
42	35	95.849	4.169,294	50.818,688	12,189	11,718	92	85	3.817	3,975	10,362	2,607	2,136
43	36	95.589	3.858,903	46.649,394	12,089	11,618	93	86	2.684	2,594	6,388	2,462	1,992
44	37	95.298	3.570,463	42.790,491	11,985	11,514	94	87	1.816	1,629	3,794	2,329	1,859
45	38	94.984	3.302,738	39.220,028	11,875	11,404	95	88	1.176	0,979	2,165	2,212	1,741
46	39	94.626	3.053,617	35.917,290	11,762	11,292	96	89	731	0,564	1,186	2,101	1,631
47	40	94.229	2.822,104	32.863,673	11,645	11,174	97	90	433	0,311	0,622	2,001	1,530
48	41	93.794	2.607,035	30.041,570	11,523	11,053	98	91	245	0,163	0,311	1,903	1,433
49	42	93.319	2.407,263	27.434,534	11,397	10,926	99	92	131	0,081	0,148	1,822	1,351
							100	93	66	0,038	0,067	1,747	1,276

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 8 Jahre

Zinsfuß 7,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	42	92.900	2.224,091	25.117,432	11,293	10,823
1							51	43	92.336	2.051,583	22.893,341	11,159	10,688
2							52	44	91.738	1.891,699	20.841,757	11,017	10,547
3							53	45	91.073	1.742,911	18.950,059	10,873	10,402
4							54	46	90.357	1.604,834	17.207,148	10,722	10,251
5							55	47	89.583	1.476,635	15.602,314	10,566	10,095
6							56	48	88.739	1.357,524	14.125,679	10,405	9,935
7							57	49	87.858	1.247,366	12.768,156	10,236	9,765
8	0	99.415	54.715,670	745.330,638	13,622	13,151	58	50	86.888	1.144,870	11.520,789	10,063	9,592
9	1	99.025	50.581,380	690.614,969	13,654	13,183	59	51	85.842	1.049,739	10.375,920	9,884	9,414
10	2	98.981	46.922,072	640.033,589	13,640	13,170	60	52	84.704	961,318	9.326,181	9,701	9,231
11	3	98.952	43.534,465	593.111,517	13,624	13,153	61	53	83.497	879,463	8.364,862	9,511	9,041
12	4	98.920	40.390,445	549.577,052	13,607	13,136	62	54	82.234	803,857	7.485,399	9,312	8,841
13	5	98.895	37.475,596	509.186,606	13,587	13,116	63	55	80.844	733,430	6.681,542	9,110	8,639
14	6	98.869	34.771,080	471.711,011	13,566	13,096	64	56	79.374	668,301	5.948,111	8,900	8,430
15	7	98.842	32.261,217	436.939,931	13,544	13,073	65	57	77.808	607,994	5.279,810	8,684	8,213
16	8	98.810	29.931,135	404.678,714	13,520	13,050	66	58	76.104	551,907	4.671,816	8,465	7,994
17	9	98.762	27.765,011	374.747,579	13,497	13,026	67	59	74.288	499,990	4.119,909	8,240	7,769
18	10	98.706	25.753,266	346.982,568	13,473	13,003	68	60	72.327	451,780	3.619,919	8,013	7,542
19	11	98.623	23.880,806	321.229,301	13,451	12,981	69	61	70.229	407,121	3.168,138	7,782	7,311
20	12	98.534	22.143,234	297.348,495	13,428	12,958	70	62	68.035	366,037	2.761,018	7,543	7,072
21	13	98.451	20.533,197	275.205,261	13,403	12,932	71	63	65.679	327,944	2.394,981	7,303	6,832
22	14	98.364	19.039,545	254.672,064	13,376	12,905	72	64	63.178	292,767	2.067,037	7,060	6,590
23	15	98.279	17.654,731	235.632,519	13,347	12,876	73	65	60.508	260,227	1.774,269	6,818	6,347
24	16	98.188	16.369,831	217.977,788	13,316	12,845	74	66	57.686	230,247	1.514,042	6,576	6,105
25	17	98.096	15.178,181	201.607,957	13,283	12,812	75	67	54.737	202,761	1.283,795	6,332	5,861
26	18	98.003	14.073,078	186.429,776	13,247	12,777	76	68	51.676	177,653	1.081,033	6,085	5,614
27	19	97.905	13.047,767	172.356,698	13,210	12,739	77	69	48.536	154,858	903,381	5,834	5,363
28	20	97.807	12.097,282	159.308,932	13,169	12,698	78	70	45.294	134,120	748,522	5,581	5,110
29	21	97.705	11.215,380	147.211,650	13,126	12,655	79	71	41.940	115,256	614,402	5,331	4,860
30	22	97.612	10.398,839	135.996,270	13,078	12,607	80	72	38.512	98,224	499,147	5,082	4,611
31	23	97.514	9.641,234	125.597,430	13,027	12,556	81	73	35.007	82,863	400,923	4,838	4,368
32	24	97.412	8.938,382	115.956,197	12,973	12,502	82	74	31.478	69,151	318,060	4,600	4,129
33	25	97.306	8.286,434	107.017,815	12,915	12,444	83	75	27.875	56,830	248,909	4,380	3,909
34	26	97.196	7.681,789	98.731,381	12,853	12,382	84	76	24.385	46,140	192,079	4,163	3,692
35	27	97.076	7.120,468	91.049,591	12,787	12,316	85	77	21.068	36,997	145,940	3,945	3,474
36	28	96.946	6.599,483	83.929,124	12,718	12,247	86	78	18.014	29,358	108,943	3,711	3,240
37	29	96.808	6.116,081	77.329,640	12,644	12,173	87	79	15.049	22,761	79,585	3,496	3,026
38	30	96.663	5.667,660	71.213,560	12,565	12,094	88	80	12.251	17,197	56,824	3,304	2,834
39	31	96.498	5.251,041	65.545,900	12,482	12,012	89	81	9.725	12,670	39,627	3,128	2,657
40	32	96.315	4.864,107	60.294,859	12,396	11,925	90	82	7.532	9,107	26,957	2,960	2,489
41	33	96.115	4.504,875	55.430,752	12,305	11,834	91	83	5.678	6,372	17,850	2,801	2,331
42	34	95.894	4.171,249	50.925,876	12,209	11,738	92	84	4.150	4,322	11,479	2,656	2,185
43	35	95.638	3.860,880	46.754,627	12,110	11,639	93	85	2.939	2,841	7,157	2,519	2,049
44	36	95.352	3.572,483	42.893,747	12,007	11,536	94	86	2.019	1,811	4,316	2,383	1,912
45	37	95.043	3.304,765	39.321,264	11,898	11,428	95	87	1.333	1,110	2,505	2,257	1,787
46	38	94.692	3.055,754	36.016,500	11,786	11,316	96	88	841	0,650	1,395	2,146	1,676
47	39	94.305	2.824,364	32.960,745	11,670	11,199	97	89	509	0,365	0,745	2,042	1,571
48	40	93.876	2.609,305	30.136,381	11,550	11,079	98	90	293	0,195	0,380	1,947	1,476
49	41	93.411	2.409,645	27.527,076	11,424	10,953	99	91	161	0,100	0,185	1,855	1,384
							100	92	84	0,048	0,085	1,778	1,307

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 9 Jahre

Zinsfuß 7,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	41	92.992	2.226,292	25.200,053	11,319	10,849
1							51	42	92.440	2.053,893	22.973,762	11,185	10,715
2							52	43	91.857	1.894,157	20.919,869	11,044	10,574
3							53	44	91.200	1.745,340	19.025,711	10,901	10,430
4							54	45	90.501	1.607,383	17.280,371	10,751	10,280
5							55	46	89.744	1.479,292	15.672,988	10,595	10,124
6							56	47	88.912	1.360,169	14.193,696	10,435	9,965
7							57	48	88.044	1.250,016	12.833,527	10,267	9,796
8							58	49	87.097	1.147,632	11.583,511	10,093	9,623
9	0	99.403	50.774,166	691.010,950	13,609	13,139	59	50	86.060	1.052,398	10.435,880	9,916	9,446
10	1	99.016	46.938,883	640.236,784	13,640	13,169	60	51	84.940	963,995	9.383,481	9,734	9,263
11	2	98.971	43.543,075	593.297,901	13,626	13,155	61	52	83.750	882,130	8.419,486	9,544	9,074
12	3	98.937	40.397,379	549.754,827	13,609	13,138	62	53	82.494	806,404	7.537,356	9,347	8,876
13	4	98.908	37.480,437	509.357,448	13,590	13,119	63	54	81.126	735,990	6.730,952	9,145	8,675
14	5	98.882	34.775,626	471.877,011	13,569	13,099	64	55	79.676	670,841	5.994,962	8,936	8,466
15	6	98.851	32.264,190	437.101,385	13,548	13,077	65	56	78.121	610,445	5.324,120	8,722	8,251
16	7	98.818	29.933,742	404.837,195	13,524	13,054	66	57	76.445	554,381	4.713,676	8,503	8,032
17	8	98.772	27.767,676	374.903,453	13,501	13,031	67	58	74.648	502,410	4.159,294	8,279	7,808
18	9	98.712	25.754,931	347.135,777	13,478	13,008	68	59	72.697	454,089	3.656,884	8,053	7,583
19	10	98.631	23.882,814	321.380,846	13,457	12,986	69	60	70.617	409,374	3.202,795	7,824	7,353
20	11	98.543	22.145,311	297.498,032	13,434	12,963	70	61	68.420	368,108	2.793,422	7,589	7,118
21	12	98.459	20.534,941	275.352,721	13,409	12,938	71	62	66.095	330,021	2.425,314	7,349	6,878
22	13	98.374	19.041,390	254.817,780	13,382	12,912	72	63	63.611	294,772	2.095,292	7,108	6,638
23	14	98.290	17.656,789	235.776,390	13,353	12,883	73	64	60.954	262,144	1.800,520	6,868	6,398
24	15	98.206	16.372,757	218.119,601	13,322	12,851	74	65	58.161	232,143	1.538,376	6,627	6,156
25	16	98.117	15.181,396	201.746,845	13,289	12,818	75	66	55.237	204,614	1.306,232	6,384	5,913
26	17	98.024	14.076,175	186.565,449	13,254	12,783	76	67	52.206	179,477	1.101,618	6,138	5,667
27	18	97.933	13.051,520	172.489,274	13,216	12,745	77	68	49.098	156,650	922,141	5,887	5,416
28	19	97.834	12.100,636	159.437,754	13,176	12,705	78	69	45.879	135,853	765,491	5,635	5,164
29	20	97.735	11.218,923	147.337,118	13,133	12,662	79	70	42.545	116,917	629,637	5,385	4,915
30	21	97.636	10.401,384	136.118,194	13,087	12,616	80	71	39.147	99,843	512,720	5,135	4,665
31	22	97.541	9.643,844	125.716,810	13,036	12,565	81	72	35.650	84,384	412,877	4,893	4,422
32	23	97.437	8.940,715	116.072,965	12,983	12,512	82	73	32.133	70,589	328,493	4,654	4,183
33	24	97.332	8.288,686	107.132,251	12,925	12,454	83	74	28.524	58,153	257,904	4,435	3,964
34	25	97.220	7.683,680	98.843,565	12,864	12,393	84	75	25.034	47,368	199,751	4,217	3,746
35	26	97.104	7.122,462	91.159,885	12,799	12,328	85	76	21.696	38,099	152,383	4,000	3,529
36	27	96.975	6.601,407	84.037,423	12,730	12,260	86	77	18.620	30,346	114,284	3,766	3,295
37	28	96.837	6.117,897	77.436,016	12,657	12,187	87	78	15.628	23,637	83,938	3,551	3,080
38	29	96.691	5.669,319	71.318,119	12,580	12,109	88	79	12.789	17,952	60,301	3,359	2,888
39	30	96.530	5.252,761	65.648,800	12,498	12,027	89	80	10.223	13,319	42,349	3,180	2,709
40	31	96.349	4.865,845	60.396,039	12,412	11,942	90	81	7.977	9,644	29,030	3,010	2,539
41	32	96.149	4.506,478	55.530,194	12,322	11,852	91	82	6.071	6,812	19,386	2,846	2,375
42	33	95.932	4.172,917	51.023,716	12,227	11,757	92	83	4.471	4,656	12,574	2,701	2,230
43	34	95.683	3.862,691	46.850,800	12,129	11,658	93	84	3.196	3,089	7,918	2,563	2,093
44	35	95.401	3.574,313	42.988,109	12,027	11,556	94	85	2.211	1,983	4,830	2,435	1,964
45	36	95.096	3.306,634	39.413,796	11,920	11,449	95	86	1.482	1,234	2,846	2,306	1,836
46	37	94.750	3.057,629	36.107,162	11,809	11,338	96	87	954	0,737	1,612	2,188	1,717
47	38	94.371	2.826,341	33.049,532	11,693	11,223	97	88	586	0,420	0,875	2,083	1,613
48	39	93.951	2.611,395	30.223,191	11,574	11,103	98	89	345	0,229	0,455	1,985	1,515
49	40	93.493	2.411,743	27.611,796	11,449	10,978	99	90	193	0,119	0,226	1,896	1,425
							100	91	103	0,059	0,107	1,809	1,338

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 10 Jahre

Zinsfuß 7,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	40	93,073	2.228,230	25.275,675	11,343	10,873
1							51	41	92,531	2.055,925	23.047,445	11,210	10,740
2							52	42	91,961	1.896,290	20.991,520	11,070	10,599
3							53	43	91,319	1.747,609	19.095,230	10,926	10,456
4							54	44	90,627	1.609,624	17.347,621	10,777	10,307
5							55	45	89,886	1.481,642	15.737,997	10,622	10,151
6							56	46	89,072	1.362,616	14.256,356	10,462	9,992
7							57	47	88,216	1.252,452	12.893,740	10,295	9,824
8							58	48	87,282	1.150,070	11.641,288	10,122	9,652
9							59	49	86,267	1.054,937	10.491,218	9,945	9,474
10	0	99,393	47.117,786	640.601,171	13,596	13,125	60	50	85,155	966,437	9.436,281	9,764	9,293
11	1	99,007	43.558,675	593.483,385	13,625	13,154	61	51	83,984	884,587	8.469,844	9,575	9,104
12	2	98,957	40.405,368	549.924,710	13,610	13,140	62	52	82,744	808,849	7.585,257	9,378	8,907
13	3	98,924	37.486,871	509.519,342	13,592	13,121	63	53	81,383	738,322	6.776,408	9,178	8,707
14	4	98,895	34.780,118	472.032,471	13,572	13,101	64	54	79,954	673,183	6.038,086	8,969	8,499
15	5	98,864	32.268,408	437.252,353	13,550	13,080	65	55	78,418	612,765	5.364,903	8,755	8,285
16	6	98,827	29.936,501	404.983,945	13,528	13,057	66	56	76,753	556,616	4.752,138	8,538	8,067
17	7	98,780	27.770,095	375.047,444	13,505	13,035	67	57	74,982	504,662	4.195,522	8,314	7,843
18	8	98,722	25.757,403	347.277,350	13,483	13,012	68	58	73,049	456,286	3.690,860	8,089	7,618
19	9	98,637	23.884,358	321.519,946	13,462	12,991	69	59	70,978	411,466	3.234,574	7,861	7,390
20	10	98,552	22.147,173	297.635,589	13,439	12,968	70	60	68,799	370,145	2.823,108	7,627	7,156
21	11	98,468	20.536,867	275.488,416	13,414	12,944	71	61	66,469	331,889	2.452,963	7,391	6,920
22	12	98,382	19.043,007	254.951,548	13,388	12,918	72	62	64,014	296,639	2.121,074	7,150	6,680
23	13	98,299	17.658,500	235.908,541	13,359	12,889	73	63	61,371	263,940	1.824,435	6,912	6,442
24	14	98,217	16.374,665	218.250,042	13,329	12,858	74	64	58,590	233,854	1.560,495	6,673	6,202
25	15	98,134	15.184,109	201.875,377	13,295	12,825	75	65	55,692	206,299	1.326,642	6,431	5,960
26	16	98,045	14.079,156	186.691,268	13,260	12,789	76	66	52,683	181,117	1.120,342	6,186	5,715
27	17	97,954	13.054,392	172.612,112	13,223	12,752	77	67	49,602	158,259	939,225	5,935	5,464
28	18	97,863	12.104,117	159.557,720	13,182	12,711	78	68	46,410	137,425	780,966	5,683	5,212
29	19	97,763	11.222,034	147.453,602	13,140	12,669	79	69	43,094	118,428	643,541	5,434	4,963
30	20	97,667	10.404,671	136.231,568	13,093	12,623	80	70	39,711	101,282	525,113	5,185	4,714
31	21	97,565	9.646,205	125.826,897	13,044	12,574	81	71	36,238	85,775	423,831	4,941	4,471
32	22	97,464	8.943,136	116.180,693	12,991	12,520	82	72	32,723	71,885	338,056	4,703	4,232
33	23	97,357	8.290,849	107.237,557	12,934	12,464	83	73	29,117	59,363	266,171	4,484	4,013
34	24	97,247	7.685,768	98.946,708	12,874	12,403	84	74	25,617	48,471	206,808	4,267	3,796
35	25	97,127	7.124,215	91.260,940	12,810	12,339	85	75	22,274	39,114	158,337	4,048	3,577
36	26	97,002	6.603,256	84.136,725	12,742	12,271	86	76	19,175	31,250	119,224	3,815	3,344
37	27	96,865	6.119,680	77.533,469	12,670	12,199	87	77	16,154	24,432	87,973	3,601	3,130
38	28	96,720	5.671,003	71.413,789	12,593	12,122	88	78	13,281	18,643	63,541	3,408	2,938
39	29	96,558	5.254,299	65.742,786	12,512	12,042	89	79	10,672	13,903	44,898	3,229	2,759
40	30	96,381	4.867,439	60.488,487	12,427	11,957	90	80	8,385	10,138	30,995	3,057	2,587
41	31	96,184	4.508,088	55.621,049	12,338	11,867	91	81	6,429	7,214	20,857	2,891	2,420
42	32	95,967	4.174,401	51.112,961	12,244	11,774	92	82	4,780	4,977	13,643	2,741	2,270
43	33	95,721	3.864,235	46.938,560	12,147	11,676	93	83	3,443	3,327	8,665	2,604	2,134
44	34	95,446	3.575,989	43.074,325	12,045	11,575	94	84	2,405	2,157	5,338	2,475	2,004
45	35	95,145	3.308,328	39.498,335	11,939	11,468	95	85	1,623	1,351	3,181	2,354	1,883
46	36	94,804	3.059,359	36.190,007	11,829	11,359	96	86	1,061	0,819	1,830	2,233	1,762
47	37	94,428	2.828,075	33.130,648	11,715	11,244	97	87	664	0,476	1,010	2,122	1,651
48	38	94,017	2.613,223	30.302,573	11,596	11,125	98	88	397	0,264	0,534	2,023	1,553
49	39	93,568	2.413,674	27.689,350	11,472	11,001	99	89	227	0,140	0,270	1,931	1,460
							100	90	123	0,071	0,130	1,846	1,376

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 11 Jahre

Zinsfuß 7,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	39	93.148	2.230,015	25.344,890	11,365	10,895
1							51	40	92.612	2.057,716	23.114,875	11,233	10,763
2							52	41	92.052	1.898,166	21.057,159	11,093	10,623
3							53	42	91.422	1.749,576	19.158,993	10,951	10,480
4							54	43	90.745	1.611,716	17.409,417	10,802	10,331
5							55	44	90.012	1.483,707	15.797,701	10,647	10,177
6							56	45	89.213	1.364,781	14.313,994	10,488	10,017
7							57	46	88.374	1.254,705	12.949,213	10,321	9,850
8							58	47	87.452	1.152,311	11.694,508	10,149	9,678
9							59	48	86.451	1.057,178	10.542,197	9,972	9,501
10							60	49	85.360	968,769	9.485,019	9,791	9,320
11	0	99.384	43.724,695	593.818,700	13,581	13,110	61	50	84.196	886,828	8.516,250	9,603	9,132
12	1	98.992	40.419,844	550.094,005	13,610	13,139	62	51	82.975	811,102	7.629,423	9,406	8,936
13	2	98.944	37.494,284	509.674,161	13,593	13,123	63	52	81.630	740,561	6.818,321	9,207	8,736
14	3	98.912	34.786,089	472.179,877	13,574	13,103	64	53	80.207	675,315	6.077,761	9,000	8,529
15	4	98.876	32.272,577	437.393,788	13,553	13,082	65	54	78.692	614,904	5.402,445	8,786	8,315
16	5	98.840	29.940,414	405.121,212	13,531	13,060	66	55	77.045	558,732	4.787,541	8,569	8,098
17	6	98.790	27.772,654	375.180,797	13,509	13,038	67	56	75.285	506,697	4.228,809	8,346	7,875
18	7	98.730	25.759,647	347.408,144	13,487	13,016	68	57	73.376	458,332	3.722,113	8,121	7,650
19	8	98.647	23.886,651	321.648,497	13,466	12,995	69	58	71.322	413,457	3.263,781	7,894	7,423
20	9	98.558	22.148,604	297.761,846	13,444	12,973	70	59	69.151	372,037	2.850,325	7,661	7,191
21	10	98.477	20.538,594	275.613,242	13,419	12,949	71	60	66.837	333,726	2.478,288	7,426	6,955
22	11	98.391	19.044,793	255.074,648	13,393	12,923	72	61	64.376	298,318	2.144,562	7,189	6,718
23	12	98.308	17.659,999	236.029,855	13,365	12,895	73	62	61.760	265,611	1.846,244	6,951	6,480
24	13	98.227	16.376,251	218.369,855	13,335	12,864	74	63	58.991	235,455	1.580,633	6,713	6,242
25	14	98.146	15.185,878	201.993,604	13,301	12,831	75	64	56.102	207,819	1.345,178	6,473	6,002
26	15	98.063	14.081,672	186.807,726	13,266	12,795	76	65	53.117	182,609	1.137,359	6,228	5,758
27	16	97.975	13.057,158	172.726,053	13,228	12,758	77	66	50.055	159,705	954,750	5,978	5,508
28	17	97.884	12.106,781	159.668,896	13,188	12,718	78	67	46.887	138,836	795,045	5,726	5,256
29	18	97.791	11.225,263	147.562,115	13,146	12,675	79	68	43.593	119,799	656,209	5,478	5,007
30	19	97.694	10.407,556	136.336,852	13,100	12,629	80	69	40.225	102,591	536,410	5,229	4,758
31	20	97.595	9.649,252	125.929,296	13,051	12,580	81	70	36.760	87,012	433,819	4,986	4,515
32	21	97.488	8.945,325	116.280,044	12,999	12,528	82	71	33.262	73,069	346,807	4,746	4,276
33	22	97.384	8.293,094	107.334,719	12,943	12,472	83	72	29.652	60,452	273,738	4,528	4,057
34	23	97.272	7.687,774	99.041,625	12,883	12,412	84	73	26.150	49,479	213,285	4,311	3,840
35	24	97.154	7.126,151	91.353,851	12,820	12,349	85	74	22.793	40,025	163,806	4,093	3,622
36	25	97.026	6.604,881	84.227,700	12,752	12,282	86	75	19.686	32,082	123,782	3,858	3,388
37	26	96.892	6.121,394	77.622,819	12,681	12,210	87	76	16.635	25,161	91,700	3,645	3,174
38	27	96.748	5.672,656	71.501,425	12,605	12,134	88	77	13.728	19,270	66,539	3,453	2,982
39	28	96.587	5.255,859	65.828,770	12,525	12,054	89	78	11.083	14,439	47,269	3,274	2,803
40	29	96.409	4.868,864	60.572,911	12,441	11,970	90	79	8.753	10,583	32,831	3,102	2,631
41	30	96.215	4.509,565	55.704,047	12,352	11,882	91	80	6.758	7,584	22,247	2,934	2,463
42	31	96.001	4.175,893	51.194,482	12,260	11,789	92	81	5.062	5,271	14,664	2,782	2,311
43	32	95.755	3.865,609	47.018,590	12,163	11,693	93	82	3.681	3,557	9,393	2,640	2,170
44	33	95.484	3.577,419	43.152,980	12,063	11,592	94	83	2.590	2,323	5,836	2,512	2,041
45	34	95.190	3.309,880	39.575,561	11,957	11,486	95	84	1.765	1,469	3,512	2,390	1,920
46	35	94.852	3.060,926	36.265,682	11,848	11,377	96	85	1.161	0,897	2,043	2,277	1,806
47	36	94.482	2.829,675	33.204,755	11,734	11,264	97	86	739	0,530	1,146	2,163	1,692
48	37	94.075	2.614,826	30.375,080	11,616	11,146	98	87	450	0,299	0,616	2,058	1,587
49	38	93.633	2.415,364	27.760,253	11,493	11,023	99	88	261	0,161	0,317	1,966	1,495
							100	89	144	0,083	0,156	1,879	1,408

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 12 Jahre

Zinsfuß 7,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	38	93.213	2.231,576	25.408,159	11,386	10,915
1							51	39	92.686	2.059,364	23.176,583	11,254	10,784
2							52	40	92.132	1.899,819	21.117,219	11,115	10,645
3							53	41	91.512	1.751,307	19.217,400	10,973	10,503
4							54	42	90.847	1.613,531	17.466,093	10,825	10,354
5							55	43	90.129	1.485,635	15.852,562	10,671	10,200
6							56	44	89.338	1.366,683	14.366,927	10,512	10,042
7							57	45	88.515	1.256,698	13.000,244	10,345	9,874
8							58	46	87.610	1.154,384	11.743,546	10,173	9,702
9							59	47	86.619	1.059,238	10.589,162	9,997	9,526
10							60	48	85.542	970,827	9.529,924	9,816	9,346
11							61	49	84.399	888,967	8.559,097	9,628	9,157
12	0	99.370	40.573,900	550.402,566	13,565	13,095	62	50	83.185	813,156	7.670,130	9,433	8,962
13	1	98.980	37.507,717	509.828,666	13,593	13,122	63	51	81.857	742,623	6.856,974	9,233	8,763
14	2	98.931	34.792,968	472.320,948	13,575	13,105	64	52	80.450	677,363	6.114,351	9,027	8,556
15	3	98.893	32.278,117	437.527,981	13,555	13,084	65	53	78.941	616,852	5.436,987	8,814	8,343
16	4	98.853	29.944,282	405.249,864	13,533	13,063	66	54	77.314	560,682	4.820,136	8,597	8,126
17	5	98.802	27.776,285	375.305,582	13,512	13,041	67	55	75.571	508,623	4.259,454	8,374	7,904
18	6	98.740	25.762,020	347.529,297	13,490	13,019	68	56	73.672	460,179	3.750,831	8,151	7,680
19	7	98.656	23.888,731	321.767,276	13,469	12,999	69	57	71.642	415,310	3.290,652	7,923	7,453
20	8	98.567	22.150,731	297.878,545	13,448	12,977	70	58	69.485	373,837	2.875,342	7,691	7,221
21	9	98.483	20.539,922	275.727,815	13,424	12,953	71	59	67.178	335,431	2.501,505	7,458	6,987
22	10	98.400	19.046,395	255.187,893	13,398	12,928	72	60	64.732	299,969	2.166,074	7,221	6,750
23	11	98.317	17.661,656	236.141,498	13,370	12,900	73	61	62.110	267,114	1.866,105	6,986	6,516
24	12	98.235	16.377,642	218.479,843	13,340	12,869	74	62	59.365	236,946	1.598,991	6,748	6,278
25	13	98.155	15.187,350	202.102,200	13,307	12,837	75	63	56.487	209,242	1.362,044	6,509	6,039
26	14	98.074	14.083,313	186.914,851	13,272	12,801	76	64	53.508	183,954	1.152,802	6,267	5,796
27	15	97.992	13.059,491	172.831,537	13,234	12,764	77	65	50.467	161,020	968,848	6,017	5,546
28	16	97.905	12.109,346	159.772,046	13,194	12,723	78	66	47.315	140,105	807,828	5,766	5,295
29	17	97.812	11.227,733	147.662,701	13,152	12,681	79	67	44.041	121,029	667,723	5,517	5,046
30	18	97.722	10.410,550	136.434,968	13,105	12,635	80	68	40.690	103,778	546,694	5,268	4,797
31	19	97.622	9.651,928	126.024,418	13,057	12,586	81	69	37.235	88,136	442,916	5,025	4,555
32	20	97.518	8.948,151	116.372,490	13,005	12,535	82	70	33.742	74,123	354,780	4,786	4,316
33	21	97.408	8.295,124	107.424,339	12,950	12,480	83	71	30.140	61,449	280,657	4,567	4,097
34	22	97.298	7.689,856	99.129,215	12,891	12,420	84	72	26.630	50,388	219,208	4,350	3,880
35	23	97.179	7.128,011	91.439,360	12,828	12,358	85	73	23.267	40,857	168,820	4,132	3,661
36	24	97.052	6.606,676	84.311,349	12,762	12,291	86	74	20.144	32,829	127,963	3,898	3,427
37	25	96.916	6.122,900	77.704,673	12,691	12,220	87	75	17.078	25,830	95,134	3,683	3,212
38	26	96.775	5.674,244	71.581,773	12,615	12,145	88	76	14.137	19,844	69,304	3,492	3,022
39	27	96.615	5.257,391	65.907,528	12,536	12,066	89	77	11.456	14,924	49,460	3,314	2,843
40	28	96.438	4.870,309	60.650,137	12,453	11,982	90	78	9.090	10,991	34,536	3,142	2,672
41	29	96.243	4.510,885	55.779,828	12,366	11,895	91	79	7.055	7,917	23,545	2,974	2,503
42	30	96.032	4.177,260	51.268,943	12,273	11,803	92	80	5.321	5,541	15,628	2,820	2,350
43	31	95.789	3.866,991	47.091,682	12,178	11,707	93	81	3.898	3,767	10,087	2,678	2,207
44	32	95.518	3.578,691	43.224,692	12,078	11,608	94	82	2.769	2,484	6,320	2,544	2,074
45	33	95.228	3.311,203	39.646,000	11,973	11,503	95	83	1.901	1,583	3,836	2,424	1,953
46	34	94.897	3.062,362	36.334,797	11,865	11,394	96	84	1.263	0,976	2,253	2,309	1,839
47	35	94.530	2.831,125	33.272,435	11,752	11,282	97	85	809	0,580	1,278	2,203	1,732
48	36	94.128	2.616,306	30.441,311	11,635	11,165	98	86	500	0,333	0,698	2,096	1,625
49	37	93.691	2.416,846	27.825,005	11,513	11,042	99	87	296	0,183	0,365	1,998	1,527
							100	88	166	0,095	0,182	1,911	1,440

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 13 Jahre

Zinsfuß 7,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	37	93.270	2.232,945	25.465,929	11,405	10,934
1							51	38	92.751	2.060,805	23.232,984	11,274	10,803
2							52	39	92.206	1.901,341	21.172,179	11,135	10,665
3							53	40	91.592	1.752,832	19.270,838	10,994	10,523
4							54	41	90.937	1.615,127	17.518,006	10,846	10,376
5							55	42	90.230	1.487,308	15.902,879	10,692	10,222
6							56	43	89.454	1.368,459	14.415,571	10,534	10,063
7							57	44	88.638	1.258,450	13.047,111	10,368	9,897
8							58	45	87.749	1.156,218	11.788,661	10,196	9,725
9							59	46	86.775	1.061,144	10.632,444	10,020	9,549
10							60	47	85.709	972,719	9.571,300	9,840	9,369
11							61	48	84.579	890,856	8.598,581	9,652	9,181
12							62	49	83.386	815,118	7.707,726	9,456	8,985
13	0	99.357	37.650,675	510.112,616	13,549	13,078	63	50	82.065	744,504	6.892,608	9,258	8,787
14	1	98.967	34.805,433	472.461,941	13,574	13,104	64	51	80.674	679,250	6.148,104	9,051	8,581
15	2	98.913	32.284,500	437.656,508	13,556	13,086	65	52	79.181	618,722	5.468,854	8,839	8,368
16	3	98.870	29.949,423	405.372,008	13,535	13,065	66	53	77.559	562,458	4.850,132	8,623	8,152
17	4	98.815	27.779,873	375.422,585	13,514	13,044	67	54	75.834	510,398	4.287,674	8,401	7,930
18	5	98.752	25.765,389	347.642,713	13,493	13,022	68	55	73.952	461,928	3.777,276	8,177	7,707
19	6	98.665	23.890,933	321.877,324	13,473	13,002	69	56	71.930	416,984	3.315,348	7,951	7,480
20	7	98.576	22.152,660	297.986,391	13,451	12,981	70	57	69.797	375,513	2.898,363	7,718	7,248
21	8	98.493	20.541,893	275.833,732	13,428	12,957	71	58	67.504	337,054	2.522,850	7,485	7,014
22	9	98.406	19.047,625	255.291,838	13,403	12,932	72	59	65.063	301,502	2.185,796	7,250	6,779
23	10	98.325	17.663,141	236.244,213	13,375	12,904	73	60	62.453	268,593	1.884,294	7,015	6,545
24	11	98.244	16.379,178	218.581,072	13,345	12,874	74	61	59.701	238,287	1.615,702	6,780	6,310
25	12	98.164	15.188,639	202.201,893	13,313	12,842	75	62	56.844	210,567	1.377,415	6,541	6,071
26	13	98.084	14.084,678	187.013,254	13,278	12,807	76	63	53.875	185,214	1.166,847	6,300	5,829
27	14	98.004	13.061,013	172.928,576	13,240	12,769	77	64	50.839	162,206	981,633	6,052	5,581
28	15	97.922	12.111,510	159.867,563	13,200	12,729	78	65	47.705	141,259	819,427	5,801	5,330
29	16	97.833	11.230,111	147.756,053	13,157	12,686	79	66	44.443	122,135	678,168	5,553	5,082
30	17	97.743	10.412,841	136.525,942	13,111	12,641	80	67	41.108	104,844	556,033	5,303	4,833
31	18	97.651	9.654,705	126.113,101	13,062	12,592	81	68	37.666	89,156	451,189	5,061	4,590
32	19	97.545	8.950,632	116.458,397	13,011	12,541	82	69	34.178	75,081	362,034	4,822	4,351
33	20	97.438	8.297,745	107.507,765	12,956	12,486	83	70	30.575	62,335	286,953	4,603	4,133
34	21	97.322	7.691,738	99.210,020	12,898	12,428	84	71	27.069	51,218	224,618	4,386	3,915
35	22	97.205	7.129,941	91.518,282	12,836	12,365	85	72	23.694	41,607	173,400	4,168	3,697
36	23	97.077	6.608,400	84.388,341	12,770	12,299	86	73	20.563	33,512	131,793	3,933	3,462
37	24	96.943	6.124,564	77.779,941	12,700	12,229	87	74	17.476	26,432	98,281	3,718	3,248
38	25	96.799	5.675,641	71.655,377	12,625	12,154	88	75	14.513	20,372	71,849	3,527	3,056
39	26	96.642	5.258,864	65.979,736	12,546	12,076	89	76	11.797	15,369	51,477	3,349	2,879
40	27	96.466	4.871,729	60.720,872	12,464	11,993	90	77	9.396	11,360	36,108	3,178	2,708
41	28	96.272	4.512,224	55.849,143	12,377	11,907	91	78	7.327	8,221	24,747	3,010	2,540
42	29	96.060	4.178,483	51.336,919	12,286	11,815	92	79	5.555	5,784	16,526	2,857	2,386
43	30	95.820	3.868,257	47.158,435	12,191	11,720	93	80	4.098	3,960	10,742	2,712	2,242
44	31	95.552	3.579,970	43.290,178	12,092	11,622	94	81	2.933	2,630	6,782	2,578	2,107
45	32	95.262	3.312,381	39.710,208	11,988	11,518	95	82	2.033	1,692	4,151	2,453	1,982
46	33	94.935	3.063,586	36.397,827	11,881	11,410	96	83	1.360	1,051	2,459	2,340	1,869
47	34	94.575	2.832,453	33.334,241	11,769	11,298	97	84	880	0,631	1,408	2,232	1,762
48	35	94.176	2.617,646	30.501,789	11,652	11,182	98	85	548	0,364	0,777	2,133	1,662
49	36	93.744	2.418,213	27.884,143	11,531	11,060	99	86	329	0,203	0,413	2,032	1,562
							100	87	189	0,108	0,210	1,940	1,469

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 14 Jahre

Zinsfuß 7,75%

Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	36	93.323	2.234,208	25.518,684	11,422	10,951
1							51	37	92.808	2.062,070	23.284,476	11,292	10,821
2							52	38	92.270	1.902,672	21.222,406	11,154	10,683
3							53	39	91.665	1.754,236	19.319,734	11,013	10,543
4							54	40	91.016	1.616,533	17.565,498	10,866	10,395
5							55	41	90.319	1.488,780	15.948,965	10,713	10,242
6							56	42	89.555	1.370,000	14.460,185	10,555	10,084
7							57	43	88.753	1.260,086	13.090,185	10,388	9,918
8							58	44	87.871	1.157,829	11.830,099	10,217	9,747
9							59	45	86.913	1.062,829	10.672,270	10,041	9,571
10							60	46	85.863	974,469	9.609,440	9,861	9,391
11							61	47	84.744	892,591	8.634,972	9,674	9,203
12							62	48	83.563	816,850	7.742,380	9,478	9,008
13							63	49	82.263	746,300	6.925,531	9,280	8,809
14	0	99.344	34.938,091	472.723,250	13,530	13,060	64	50	80.879	680,970	6.179,231	9,074	8,603
15	1	98.948	32.296,067	437.785,159	13,555	13,085	65	51	79.401	620,445	5.498,260	8,862	8,391
16	2	98.890	29.955,345	405.489,092	13,536	13,066	66	52	77.794	564,164	4.877,815	8,646	8,175
17	3	98.832	27.784,642	375.533,747	13,516	13,045	67	53	76.075	512,015	4.313,651	8,425	7,954
18	4	98.765	25.768,717	347.749,105	13,495	13,024	68	54	74.210	463,541	3.801,637	8,201	7,731
19	5	98.678	23.894,056	321.980,389	13,475	13,005	69	55	72.204	418,569	3.338,096	7,975	7,504
20	6	98.585	22.154,701	298.086,333	13,455	12,984	70	56	70.078	377,027	2.919,527	7,744	7,273
21	7	98.501	20.543,683	275.931,631	13,431	12,961	71	57	67.806	338,565	2.542,500	7,510	7,039
22	8	98.415	19.049,454	255.387,949	13,407	12,936	72	58	65.378	302,961	2.203,935	7,275	6,804
23	9	98.332	17.664,282	236.338,495	13,379	12,909	73	59	62.772	269,965	1.900,974	7,042	6,571
24	10	98.252	16.380,556	218.674,212	13,350	12,879	74	60	60.031	239,606	1.631,009	6,807	6,336
25	11	98.173	15.190,064	202.293,656	13,317	12,847	75	61	57.166	211,759	1.391,403	6,571	6,100
26	12	98.092	14.085,874	187.103,592	13,283	12,812	76	62	54.216	186,387	1.179,644	6,329	5,858
27	13	98.013	13.062,279	173.017,718	13,246	12,775	77	63	51.187	163,317	993,257	6,082	5,611
28	14	97.934	12.112,921	159.955,439	13,205	12,735	78	64	48.056	142,300	829,940	5,832	5,362
29	15	97.850	11.232,118	147.842,518	13,162	12,692	79	65	44.809	123,141	687,641	5,584	5,114
30	16	97.764	10.415,046	136.610,400	13,117	12,646	80	66	41.484	105,802	564,500	5,335	4,865
31	17	97.672	9.656,829	126.195,354	13,068	12,597	81	67	38.053	90,071	458,698	5,093	4,622
32	18	97.573	8.953,207	116.538,525	13,016	12,546	82	68	34.573	75,950	368,627	4,854	4,383
33	19	97.465	8.300,046	107.585,318	12,962	12,491	83	69	30.970	63,140	292,677	4,635	4,165
34	20	97.353	7.694,168	99.285,272	12,904	12,433	84	70	27.459	51,956	229,537	4,418	3,947
35	21	97.229	7.131,686	91.591,104	12,843	12,372	85	71	24.084	42,293	177,580	4,199	3,728
36	22	97.104	6.610,190	84.459,418	12,777	12,306	86	72	20.940	34,127	135,288	3,964	3,494
37	23	96.968	6.126,163	77.849,228	12,708	12,237	87	73	17.839	26,982	101,160	3,749	3,279
38	24	96.825	5.677,183	71.723,066	12,634	12,163	88	74	14.851	20,847	74,179	3,558	3,088
39	25	96.666	5.260,158	66.045,883	12,556	12,085	89	75	12.111	15,778	53,332	3,380	2,909
40	26	96.493	4.873,093	60.785,725	12,474	12,003	90	76	9.676	11,699	37,554	3,210	2,739
41	27	96.300	4.513,540	55.912,631	12,388	11,917	91	77	7.573	8,498	25,855	3,043	2,572
42	28	96.089	4.179,724	51.399,092	12,297	11,827	92	78	5.768	6,007	17,357	2,889	2,419
43	29	95.849	3.869,390	47.219,368	12,203	11,733	93	79	4.277	4,134	11,350	2,745	2,275
44	30	95.583	3.581,143	43.349,978	12,105	11,634	94	80	3.083	2,765	7,216	2,610	2,139
45	31	95.296	3.313,564	39.768,835	12,002	11,531	95	81	2.153	1,792	4,451	2,484	2,013
46	32	94.968	3.064,676	36.455,271	11,895	11,425	96	82	1.454	1,124	2,659	2,366	1,895
47	33	94.612	2.833,585	33.390,595	11,784	11,313	97	83	947	0,679	1,535	2,260	1,789
48	34	94.220	2.618,874	30.557,010	11,668	11,197	98	84	596	0,396	0,856	2,159	1,689
49	35	93.792	2.419,452	27.938,136	11,547	11,077	99	85	360	0,222	0,459	2,066	1,595
							100	86	210	0,120	0,237	1,972	1,501

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 15 Jahre

Zinsfuß 7,75%

Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	35	93.371	2.235,353	25.566,844	11,437	10,967
1							51	36	92.860	2.063,236	23.331,491	11,308	10,838
2							52	37	92.327	1.903,839	21.268,255	11,171	10,701
3							53	38	91.729	1.755,464	19.364,416	11,031	10,560
4							54	39	91.089	1.617,828	17.608,952	10,884	10,414
5							55	40	90.398	1.490,076	15.991,124	10,732	10,261
6							56	41	89.643	1.371,356	14.501,048	10,574	10,104
7							57	42	88.853	1.261,505	13.129,692	10,408	9,937
8							58	43	87.985	1.159,334	11.868,187	10,237	9,766
9							59	44	87.034	1.064,311	10.708,853	10,062	9,591
10							60	45	85.999	976,017	9.644,542	9,882	9,411
11							61	46	84.896	894,197	8.668,526	9,694	9,224
12							62	47	83.726	818,441	7.774,328	9,499	9,028
13							63	48	82.437	747,886	6.955,887	9,301	8,830
14							64	49	81.074	682,613	6.208,001	9,094	8,624
15	0	99.326	32.419,160	438.025,632	13,511	13,041	65	50	79.602	622,017	5.525,388	8,883	8,412
16	1	98.925	29.966,077	405.606,472	13,536	13,065	66	51	78.011	565,735	4.903,372	8,667	8,197
17	2	98.852	27.790,136	375.640,394	13,517	13,046	67	52	76.305	513,567	4.337,637	8,446	7,975
18	3	98.782	25.773,141	347.850,258	13,497	13,026	68	53	74.445	465,009	3.824,069	8,224	7,753
19	4	98.690	23.897,143	322.077,118	13,478	13,007	69	54	72.456	420,030	3.359,060	7,997	7,527
20	5	98.598	22.157,598	298.179,975	13,457	12,987	70	55	70.344	378,460	2.939,030	7,766	7,295
21	6	98.510	20.545,576	276.022,377	13,435	12,964	71	56	68.079	339,930	2.560,570	7,533	7,062
22	7	98.424	19.051,113	255.476,801	13,410	12,939	72	57	65.671	304,319	2.220,640	7,297	6,826
23	8	98.341	17.665,978	236.425,688	13,383	12,912	73	58	63.076	271,271	1.916,321	7,064	6,594
24	9	98.259	16.381,614	218.759,710	13,354	12,883	74	59	60.338	240,830	1.645,050	6,831	6,360
25	10	98.181	15.191,341	202.378,096	13,322	12,851	75	60	57.482	212,931	1.404,220	6,595	6,124
26	11	98.101	14.087,195	187.186,754	13,288	12,817	76	61	54.523	187,442	1.191,289	6,356	5,885
27	12	98.022	13.063,388	173.099,559	13,251	12,780	77	62	51.511	164,351	1.003,847	6,108	5,637
28	13	97.943	12.114,095	160.036,171	13,211	12,740	78	63	48.386	143,274	839,496	5,859	5,389
29	14	97.862	11.233,427	147.922,076	13,168	12,697	79	64	45.139	124,048	696,222	5,613	5,142
30	15	97.782	10.416,908	136.688,649	13,122	12,651	80	65	41.825	106,673	572,174	5,364	4,893
31	16	97.693	9.658,875	126.271,741	13,073	12,602	81	66	38.401	90,895	465,501	5,121	4,651
32	17	97.595	8.955,177	116.612,867	13,022	12,551	82	67	34.928	76,730	374,606	4,882	4,411
33	18	97.493	8.302,433	107.657,689	12,967	12,496	83	68	31.328	63,871	297,876	4,664	4,193
34	19	97.380	7.696,301	99.355,256	12,909	12,439	84	69	27.814	52,628	234,006	4,446	3,976
35	20	97.260	7.133,939	91.658,955	12,848	12,378	85	70	24.432	42,903	181,378	4,228	3,757
36	21	97.128	6.611,807	84.525,015	12,784	12,313	86	71	21.286	34,690	138,475	3,992	3,521
37	22	96.994	6.127,822	77.913,208	12,715	12,244	87	72	18.167	27,477	103,786	3,777	3,307
38	23	96.851	5.678,665	71.785,386	12,641	12,171	88	73	15.160	21,281	76,309	3,586	3,115
39	24	96.692	5.261,587	66.106,721	12,564	12,093	89	74	12.393	16,146	55,028	3,408	2,938
40	25	96.517	4.874,293	60.845,134	12,483	12,012	90	75	9.934	12,010	38,883	3,237	2,767
41	26	96.327	4.514,804	55.970,841	12,397	11,927	91	76	7.799	8,751	26,872	3,071	2,600
42	27	96.117	4.180,942	51.456,037	12,307	11,837	92	77	5.962	6,209	18,121	2,919	2,448
43	28	95.877	3.870,539	47.275,095	12,214	11,743	93	78	4.442	4,293	11,912	2,775	2,304
44	29	95.611	3.582,191	43.404,556	12,117	11,646	94	79	3.218	2,887	7,619	2,639	2,169
45	30	95.327	3.314,650	39.822,365	12,014	11,543	95	80	2.263	1,884	4,732	2,512	2,041
46	31	95.002	3.065,771	36.507,716	11,908	11,438	96	81	1.540	1,190	2,849	2,394	1,923
47	32	94.646	2.834,593	33.441,944	11,798	11,327	97	82	1.013	0,726	1,659	2,284	1,813
48	33	94.258	2.619,921	30.607,352	11,683	11,212	98	83	642	0,427	0,932	2,184	1,713
49	34	93.836	2.420,587	27.987,431	11,562	11,092	99	84	392	0,242	0,505	2,090	1,619
							100	85	230	0,132	0,264	2,002	1,532

Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente nach der Sterbetafel 2002/2004

Altersdifferenz zwischen Mann und Frau (x - y) = 16 Jahre

Zinsfuß 7,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	34	93.414	2.236,401	25.610,808	11,452	10,981
1							51	35	92.908	2.064,293	23.374,407	11,323	10,853
2							52	36	92.379	1.904,916	21.310,114	11,187	10,716
3							53	37	91.786	1.756,541	19.405,197	11,047	10,577
4							54	38	91.153	1.618,961	17.648,656	10,901	10,431
5							55	39	90.470	1.491,270	16.029,695	10,749	10,278
6							56	40	89.721	1.372,550	14.538,426	10,592	10,122
7							57	41	88.941	1.262,753	13.165,876	10,426	9,956
8							58	42	88.085	1.160,639	11.903,123	10,256	9,785
9							59	43	87.147	1.065,694	10.742,484	10,080	9,610
10							60	44	86.119	977,377	9.676,790	9,901	9,430
11							61	45	85.031	895,618	8.699,413	9,713	9,243
12							62	46	83.876	819,914	7.803,795	9,518	9,047
13							63	47	82.598	749,343	6.983,881	9,320	8,849
14							64	48	81.246	684,063	6.234,538	9,114	8,643
15							65	49	79.794	623,518	5.550,475	8,902	8,431
16	0	99.302	30.080,290	405.827,770	13,491	13,021	66	50	78.208	567,168	4.926,957	8,687	8,216
17	1	98.887	27.800,093	375.747,480	13,516	13,045	67	51	76.518	514,997	4.359,790	8,466	7,995
18	2	98.802	25.778,237	347.947,387	13,498	13,027	68	52	74.671	466,419	3.844,792	8,243	7,773
19	3	98.707	23.901,245	322.169,150	13,479	13,009	69	53	72.685	421,361	3.378,373	8,018	7,547
20	4	98.611	22.160,460	298.267,905	13,459	12,989	70	54	70.590	379,781	2.957,012	7,786	7,315
21	5	98.523	20.548,262	276.107,445	13,437	12,966	71	55	68.338	341,222	2.577,231	7,553	7,082
22	6	98.433	19.052,869	255.559,183	13,413	12,942	72	56	65.936	305,546	2.236,009	7,318	6,847
23	7	98.350	17.667,517	236.506,314	13,387	12,916	73	57	63.359	272,488	1.930,464	7,085	6,614
24	8	98.268	16.383,187	218.838,797	13,358	12,887	74	58	60.630	241,996	1.657,976	6,851	6,381
25	9	98.187	15.192,323	202.455,610	13,326	12,856	75	59	57.776	214,019	1.415,981	6,616	6,145
26	10	98.109	14.088,380	187.263,287	13,292	12,821	76	60	54.825	188,479	1.201,961	6,377	5,907
27	11	98.031	13.064,613	173.174,907	13,255	12,785	77	61	51.803	165,282	1.013,482	6,132	5,661
28	12	97.952	12.115,124	160.110,294	13,216	12,745	78	62	48.692	144,181	848,201	5,883	5,412
29	13	97.871	11.234,515	147.995,170	13,173	12,703	79	63	45.448	124,897	704,020	5,637	5,166
30	14	97.793	10.418,122	136.760,654	13,127	12,657	80	64	42.133	107,459	579,122	5,389	4,919
31	15	97.710	9.660,601	126.342,533	13,078	12,607	81	65	38.717	91,643	471,663	5,147	4,676
32	16	97.616	8.957,074	116.681,932	13,027	12,556	82	66	35.248	77,431	380,020	4,908	4,437
33	17	97.515	8.304,261	107.724,858	12,972	12,502	83	67	31.650	64,527	302,589	4,689	4,219
34	18	97.408	7.698,516	99.420,597	12,914	12,444	84	68	28.136	53,237	238,063	4,472	4,001
35	19	97.287	7.135,917	91.722,082	12,854	12,383	85	69	24.747	43,457	184,826	4,253	3,782
36	20	97.158	6.613,897	84.586,165	12,789	12,318	86	70	21.592	35,190	141,369	4,017	3,547
37	21	97.018	6.129,321	77.972,268	12,721	12,251	87	71	18.466	27,930	106,179	3,802	3,331
38	22	96.877	5.680,203	71.842,947	12,648	12,177	88	72	15.438	21,671	78,249	3,611	3,140
39	23	96.717	5.262,960	66.162,744	12,571	12,101	89	73	12.651	16,481	56,578	3,433	2,962
40	24	96.543	4.875,617	60.899,783	12,491	12,020	90	74	10.165	12,290	40,097	3,263	2,792
41	25	96.351	4.515,915	56.024,166	12,406	11,935	91	75	8.006	8,984	27,807	3,095	2,624
42	26	96.144	4.182,113	51.508,251	12,316	11,846	92	76	6.140	6,394	18,823	2,944	2,473
43	27	95.905	3.871,667	47.326,138	12,224	11,753	93	77	4.591	4,438	12,428	2,801	2,330
44	28	95.640	3.583,255	43.454,471	12,127	11,656	94	78	3.342	2,998	7,991	2,666	2,195
45	29	95.355	3.315,620	39.871,216	12,025	11,555	95	79	2.362	1,967	4,993	2,539	2,068
46	30	95.034	3.066,775	36.555,596	11,920	11,449	96	80	1.619	1,251	3,027	2,420	1,949
47	31	94.680	2.835,606	33.488,821	11,810	11,339	97	81	1.073	0,769	1,776	2,309	1,838
48	32	94.291	2.620,853	30.653,215	11,696	11,225	98	82	686	0,456	1,007	2,206	1,735
49	33	93.873	2.421,554	28.032,363	11,576	11,106	99	83	422	0,261	0,550	2,112	1,641
							100	84	250	0,143	0,290	2,024	1,553

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 17 Jahre

Zinsfuß 7,75%

Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	33	93.452	2.237,295	25.650,873	11,465	10,994
1							51	34	92.951	2.065,261	23.413,578	11,337	10,866
2							52	35	92.427	1.905,892	21.348,317	11,201	10,731
3							53	36	91.837	1.757,535	19.442,425	11,062	10,592
4							54	37	91.209	1.619,954	17.684,890	10,917	10,446
5							55	38	90.534	1.492,313	16.064,936	10,765	10,294
6							56	39	89.793	1.373,649	14.572,622	10,609	10,138
7							57	40	89.019	1.263,852	13.198,973	10,443	9,973
8							58	41	88.172	1.161,788	11.935,121	10,273	9,802
9							59	42	87.245	1.066,894	10.773,333	10,098	9,627
10							60	43	86.231	978,647	9.706,439	9,918	9,448
11							61	44	85.149	896,866	8.727,791	9,731	9,261
12							62	45	84.010	821,216	7.830,925	9,536	9,065
13							63	46	82.747	750,691	7.009,709	9,338	8,867
14							64	47	81.404	685,396	6.259,018	9,132	8,661
15							65	48	79.964	624,842	5.573,622	8,920	8,449
16							66	49	78.397	568,536	4.948,780	8,704	8,234
17	0	99.264	27.906,050	375.951,122	13,472	13,001	67	50	76.712	516,302	4.380,243	8,484	8,013
18	1	98.837	25.787,473	348.045,072	13,497	13,026	68	51	74.879	467,718	3.863,941	8,261	7,791
19	2	98.727	23.905,972	322.257,599	13,480	13,010	69	52	72.906	422,639	3.396,223	8,036	7,565
20	3	98.628	22.164,264	298.351,627	13,461	12,990	70	53	70.813	380,984	2.973,585	7,805	7,334
21	4	98.536	20.550,916	276.187,363	13,439	12,969	71	54	68.577	342,413	2.592,601	7,572	7,101
22	5	98.446	19.055,360	255.636,447	13,415	12,945	72	55	66.186	306,707	2.250,188	7,337	6,866
23	6	98.359	17.669,145	236.581,087	13,390	12,919	73	56	63.614	273,586	1.943,481	7,104	6,633
24	7	98.277	16.384,614	218.911,942	13,361	12,890	74	57	60.902	243,080	1.669,895	6,870	6,399
25	8	98.197	15.193,782	202.527,328	13,330	12,859	75	58	58.056	215,055	1.426,815	6,635	6,164
26	9	98.116	14.089,291	187.333,546	13,296	12,826	76	59	55.105	189,442	1.211,760	6,396	5,926
27	10	98.039	13.065,712	173.244,256	13,259	12,789	77	60	52.090	166,196	1.022,318	6,151	5,681
28	11	97.961	12.116,260	160.178,544	13,220	12,749	78	61	48.967	144,997	856,121	5,904	5,434
29	12	97.880	11.235,470	148.062,284	13,178	12,707	79	62	45.736	125,688	711,124	5,658	5,187
30	13	97.802	10.419,131	136.826,814	13,132	12,662	80	63	42.422	108,195	585,436	5,411	4,940
31	14	97.722	9.661,727	126.407,683	13,083	12,613	81	64	39.002	92,318	477,241	5,170	4,699
32	15	97.633	8.958,675	116.745,957	13,032	12,561	82	65	35.538	78,068	384,923	4,931	4,460
33	16	97.536	8.306,020	107.787,282	12,977	12,506	83	66	31.939	65,116	306,854	4,712	4,242
34	17	97.429	7.700,210	99.481,262	12,919	12,449	84	67	28.425	53,783	241,738	4,495	4,024
35	18	97.315	7.137,970	91.781,053	12,858	12,387	85	68	25.034	43,960	187,954	4,276	3,805
36	19	97.185	6.615,730	84.643,082	12,794	12,324	86	69	21.872	35,645	143,995	4,040	3,569
37	20	97.049	6.131,258	78.027,352	12,726	12,255	87	70	18.732	28,333	108,350	3,824	3,354
38	21	96.901	5.681,593	71.896,094	12,654	12,184	88	71	15.693	22,028	80,017	3,632	3,162
39	22	96.743	5.264,386	66.214,501	12,578	12,107	89	72	12.883	16,784	57,989	3,455	2,984
40	23	96.568	4.876,890	60.950,115	12,498	12,027	90	73	10.376	12,546	41,205	3,284	2,814
41	24	96.377	4.517,142	56.073,226	12,413	11,943	91	74	8.193	9,193	28,659	3,117	2,647
42	25	96.168	4.183,143	51.556,083	12,325	11,854	92	75	6.303	6,564	19,466	2,965	2,495
43	26	95.932	3.872,751	47.372,941	12,232	11,762	93	76	4.728	4,570	12,902	2,823	2,353
44	27	95.668	3.584,299	43.500,190	12,136	11,666	94	77	3.454	3,098	8,332	2,689	2,218
45	28	95.383	3.316,605	39.915,890	12,035	11,565	95	78	2.453	2,042	5,234	2,563	2,092
46	29	95.061	3.067,673	36.599,286	11,931	11,460	96	79	1.690	1,306	3,191	2,444	1,973
47	30	94.711	2.836,534	33.531,613	11,821	11,351	97	80	1.128	0,809	1,886	2,332	1,861
48	31	94.325	2.621,789	30.695,078	11,708	11,237	98	81	726	0,483	1,077	2,228	1,758
49	32	93.906	2.422,416	28.073,289	11,589	11,118	99	82	451	0,279	0,594	2,132	1,661
							100	83	269	0,154	0,315	2,044	1,573

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 18 Jahre

Zinsfuß 7,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	32	93.485	2.238,091	25.687,360	11,477	11,007
1							51	33	92.989	2.066,087	23.449,269	11,350	10,879
2							52	34	92.470	1.906,786	21.383,182	11,214	10,744
3							53	35	91.884	1.758,435	19.476,396	11,076	10,605
4							54	36	91.260	1.620,871	17.717,961	10,931	10,460
5							55	37	90.589	1.493,229	16.097,090	10,780	10,309
6							56	38	89.856	1.374,611	14.603,861	10,624	10,153
7							57	39	89.090	1.264,865	13.229,250	10,459	9,988
8							58	40	88.248	1.162,799	11.964,386	10,289	9,819
9							59	41	87.331	1.067,950	10.801,587	10,114	9,644
10							60	42	86.328	979,749	9.733,637	9,935	9,464
11							61	43	85.260	898,032	8.753,887	9,748	9,277
12							62	44	84.127	822,361	7.855,855	9,553	9,082
13							63	45	82.878	751,884	7.033,494	9,354	8,884
14							64	46	81.551	686,629	6.281,611	9,148	8,678
15							65	47	80.120	626,060	5.594,982	8,937	8,466
16							66	48	78.563	569,744	4.968,922	8,721	8,251
17							67	49	76.897	517,548	4.399,178	8,500	8,029
18	0	99.214	25.885,759	348.232,459	13,453	12,982	68	50	75.069	468,903	3.881,630	8,278	7,807
19	1	98.762	23.914,536	322.346,700	13,479	13,008	69	51	73.109	423,816	3.412,728	8,052	7,582
20	2	98.647	22.168,647	298.432,163	13,462	12,991	70	52	71.028	382,139	2.988,912	7,822	7,351
21	3	98.553	20.554,444	276.263,516	13,441	12,970	71	53	68.794	343,498	2.606,773	7,589	7,118
22	4	98.459	19.057,821	255.709,072	13,418	12,947	72	54	66.417	307,778	2.263,275	7,354	6,883
23	5	98.372	17.671,455	236.651,250	13,392	12,921	73	55	63.856	274,626	1.955,498	7,121	6,650
24	6	98.286	16.386,124	218.979,795	13,364	12,893	74	56	61.147	244,060	1.680,872	6,887	6,416
25	7	98.205	15.195,105	202.593,672	13,333	12,862	75	57	58.316	216,019	1.436,812	6,651	6,181
26	8	98.125	14.090,643	187.398,567	13,300	12,829	76	58	55.371	190,359	1.220,793	6,413	5,942
27	9	98.046	13.066,556	173.307,923	13,263	12,793	77	59	52.356	167,046	1.030,434	6,169	5,698
28	10	97.969	12.117,279	160.241,367	13,224	12,754	78	60	49.239	145,800	863,388	5,922	5,451
29	11	97.889	11.236,523	148.124,088	13,182	12,712	79	61	45.995	126,400	717,589	5,677	5,206
30	12	97.811	10.420,016	136.887,565	13,137	12,666	80	62	42.690	108,880	591,189	5,430	4,959
31	13	97.731	9.662,663	126.467,549	13,088	12,618	81	63	39.269	92,950	482,309	5,189	4,718
32	14	97.644	8.959,719	116.804,886	13,037	12,566	82	64	35.800	78,644	389,358	4,951	4,480
33	15	97.553	8.307,504	107.845,167	12,982	12,511	83	65	32.202	65,653	310,715	4,733	4,262
34	16	97.450	7.701,841	99.537,663	12,924	12,453	84	66	28.685	54,275	245,062	4,515	4,045
35	17	97.336	7.139,541	91.835,823	12,863	12,392	85	67	25.291	44,411	190,787	4,296	3,825
36	18	97.213	6.617,634	84.696,282	12,799	12,328	86	68	22.125	36,057	146,376	4,060	3,589
37	19	97.075	6.132,958	78.078,648	12,731	12,260	87	69	18.974	28,699	110,319	3,844	3,373
38	20	96.931	5.683,388	71.945,690	12,659	12,188	88	70	15.919	22,346	81,620	3,653	3,182
39	21	96.767	5.265,674	66.262,302	12,584	12,113	89	71	13.096	17,060	59,274	3,474	3,004
40	22	96.594	4.878,211	60.996,628	12,504	12,033	90	72	10.567	12,776	42,214	3,304	2,833
41	23	96.402	4.518,321	56.118,417	12,420	11,950	91	73	8.363	9,384	29,438	3,137	2,666
42	24	96.194	4.184,279	51.600,096	12,332	11,861	92	74	6.450	6,717	20,054	2,985	2,515
43	25	95.955	3.873,704	47.415,817	12,240	11,770	93	75	4.854	4,691	13,336	2,843	2,372
44	26	95.694	3.585,303	43.542,113	12,145	11,674	94	76	3.557	3,191	8,645	2,709	2,239
45	27	95.411	3.317,571	39.956,810	12,044	11,573	95	77	2.536	2,111	5,454	2,584	2,113
46	28	95.090	3.068,584	36.639,238	11,940	11,469	96	78	1.755	1,356	3,343	2,465	1,995
47	29	94.739	2.837,365	33.570,654	11,832	11,361	97	79	1.177	0,844	1,987	2,354	1,883
48	30	94.356	2.622,648	30.733,289	11,718	11,248	98	80	764	0,508	1,143	2,249	1,779
49	31	93.940	2.423,281	28.110,641	11,600	11,130	99	81	478	0,295	0,635	2,152	1,682
							100	82	288	0,165	0,340	2,062	1,591

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 19 Jahre

Zinsfuß 7,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	31	93.518	2.238,891	25.720,655	11,488	11,017
1							51	32	93.022	2.066,822	23.481,765	11,361	10,891
2							52	33	92.507	1.907,548	21.414,943	11,226	10,756
3							53	34	91.928	1.759,260	19.507,395	11,088	10,618
4							54	35	91.307	1.621,701	17.748,134	10,944	10,473
5							55	36	90.641	1.494,074	16.126,434	10,794	10,323
6							56	37	89.911	1.375,454	14.632,360	10,638	10,168
7							57	38	89.152	1.265,750	13.256,906	10,474	10,003
8							58	39	88.319	1.163,731	11.991,156	10,304	9,833
9							59	40	87.407	1.068,880	10.827,425	10,130	9,659
10							60	41	86.413	980,719	9.758,545	9,950	9,480
11							61	42	85.356	899,043	8.777,826	9,764	9,293
12							62	43	84.236	823,430	7.878,783	9,568	9,098
13							63	44	82.994	752,932	7.055,354	9,371	8,900
14							64	45	81.680	687,720	6.302,422	9,164	8,694
15							65	46	80.264	627,186	5.614,702	8,952	8,482
16							66	47	78.716	570,854	4.987,516	8,737	8,266
17							67	48	77.060	518,647	4.416,662	8,516	8,045
18							68	49	75.250	470,034	3.898,015	8,293	7,822
19	0	99.139	24.005,684	322.519,112	13,435	12,964	69	50	73.294	424,889	3.427,981	8,068	7,597
20	1	98.683	22.176,590	298.513,428	13,461	12,990	70	51	71.226	383,203	3.003,092	7,837	7,366
21	2	98.572	20.558,509	276.336,838	13,441	12,971	71	52	69.003	344,539	2.619,888	7,604	7,133
22	3	98.475	19.061,093	255.778,329	13,419	12,948	72	53	66.628	308,752	2.275,349	7,369	6,899
23	4	98.384	17.673,738	236.717,236	13,394	12,923	73	54	64.079	275,584	1.966,597	7,136	6,665
24	5	98.299	16.388,266	219.043,498	13,366	12,895	74	55	61.380	244,988	1.691,012	6,902	6,432
25	6	98.215	15.196,505	202.655,232	13,336	12,865	75	56	58.551	216,890	1.446,024	6,667	6,196
26	7	98.134	14.091,870	187.458,727	13,303	12,832	76	57	55.620	191,212	1.229,135	6,428	5,957
27	8	98.055	13.067,811	173.366,857	13,267	12,796	77	58	52.609	167,854	1.037,922	6,183	5,713
28	9	97.975	12.118,062	160.299,046	13,228	12,757	78	59	49.490	146,545	870,068	5,937	5,467
29	10	97.897	11.237,468	148.180,984	13,186	12,716	79	60	46.250	127,099	723,524	5,693	5,222
30	11	97.820	10.420,993	136.943,516	13,141	12,670	80	61	42.932	109,496	596,424	5,447	4,976
31	12	97.739	9.663,484	126.522,522	13,093	12,622	81	62	39.518	93,539	486,928	5,206	4,735
32	13	97.654	8.960,587	116.859,039	13,041	12,571	82	63	36.045	79,182	393,389	4,968	4,497
33	14	97.564	8.308,472	107.898,452	12,987	12,516	83	64	32.439	66,136	314,207	4,751	4,280
34	15	97.467	7.703,217	99.589,980	12,928	12,458	84	65	28.921	54,722	248,071	4,533	4,063
35	16	97.357	7.141,053	91.886,763	12,867	12,397	85	66	25.522	44,817	193,349	4,314	3,844
36	17	97.234	6.619,090	84.745,710	12,803	12,333	86	67	22.352	36,427	148,532	4,077	3,607
37	18	97.103	6.134,722	78.126,620	12,735	12,264	87	68	19.194	29,031	112,104	3,862	3,391
38	19	96.958	5.684,964	71.991,897	12,664	12,193	88	69	16.125	22,635	83,074	3,670	3,200
39	20	96.798	5.267,338	66.306,933	12,588	12,118	89	70	13.285	17,306	60,439	3,492	3,022
40	21	96.618	4.879,404	61.039,595	12,510	12,039	90	71	10.741	12,987	43,132	3,321	2,851
41	22	96.428	4.519,545	56.160,191	12,426	11,955	91	72	8.517	9,557	30,146	3,154	2,684
42	23	96.219	4.185,371	51.640,646	12,338	11,868	92	73	6.584	6,857	20,589	3,003	2,532
43	24	95.981	3.874,757	47.455,275	12,247	11,777	93	74	4.967	4,801	13,732	2,860	2,390
44	25	95.718	3.586,186	43.580,518	12,152	11,682	94	75	3.652	3,276	8,932	2,727	2,256
45	26	95.438	3.318,501	39.994,333	12,052	11,581	95	76	2.611	2,174	5,656	2,602	2,131
46	27	95.117	3.069,479	36.675,832	11,949	11,478	96	77	1.814	1,402	3,482	2,484	2,013
47	28	94.767	2.838,207	33.606,353	11,841	11,370	97	78	1.222	0,877	2,080	2,373	1,903
48	29	94.384	2.623,416	30.768,146	11,728	11,258	98	79	797	0,530	1,204	2,269	1,799
49	30	93.971	2.424,075	28.144,730	11,611	11,140	99	80	502	0,310	0,673	2,171	1,701
							100	81	305	0,175	0,363	2,080	1,610

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 20 Jahre

Zinsfuß 7,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	30	93.549	2.239,624	25.751,037	11,498	11,027
1							51	31	93.055	2.067,560	23.511,413	11,372	10,901
2							52	32	92.540	1.908,227	21.443,852	11,238	10,767
3							53	33	91.964	1.759,963	19.535,626	11,100	10,629
4							54	34	91.350	1.622,461	17.775,662	10,956	10,485
5							55	35	90.687	1.494,839	16.153,201	10,806	10,335
6							56	36	89.962	1.376,232	14.658,362	10,651	10,180
7							57	37	89.207	1.266,527	13.282,129	10,487	10,016
8							58	38	88.381	1.164,545	12.015,603	10,318	9,847
9							59	39	87.477	1.069,736	10.851,057	10,144	9,673
10							60	40	86.489	981,573	9.781,322	9,965	9,494
11							61	41	85.441	899,933	8.799,749	9,778	9,308
12							62	42	84.331	824,357	7.899,816	9,583	9,112
13							63	43	83.101	753,910	7.075,459	9,385	8,914
14							64	44	81.794	688,679	6.321,549	9,179	8,709
15							65	45	80.391	628,182	5.632,871	8,967	8,496
16							66	46	78.858	571,881	5.004,688	8,751	8,281
17							67	47	77.210	519,658	4.432,807	8,530	8,060
18							68	48	75.409	471,033	3.913,149	8,308	7,837
19							69	49	73.471	425,914	3.442,117	8,082	7,611
20	0	99.059	22.261,114	298.672,063	13,417	12,946	70	50	71.406	384,174	3.016,203	7,851	7,380
21	1	98.608	20.565,874	276.410,949	13,440	12,970	71	51	69.195	345,499	2.632,029	7,618	7,147
22	2	98.495	19.064,862	255.845,074	13,420	12,949	72	52	66.830	309,689	2.286,530	7,383	6,913
23	3	98.401	17.676,772	236.780,212	13,395	12,924	73	53	64.282	276,457	1.976,841	7,151	6,680
24	4	98.311	16.390,383	219.103,440	13,368	12,897	74	54	61.594	245,843	1.700,384	6,917	6,446
25	5	98.227	15.198,492	202.713,057	13,338	12,867	75	55	58.774	217,714	1.454,541	6,681	6,210
26	6	98.143	14.093,169	187.514,565	13,305	12,835	76	56	55.844	191,983	1.236,827	6,442	5,972
27	7	98.063	13.068,949	173.421,396	13,270	12,799	77	57	52.845	168,606	1.044,844	6,197	5,726
28	8	97.985	12.119,225	160.352,447	13,231	12,761	78	58	49.730	147,254	876,237	5,951	5,480
29	9	97.903	11.238,195	148.233,222	13,190	12,719	79	59	46.486	127,749	728,983	5,706	5,236
30	10	97.828	10.421,870	136.995,027	13,145	12,674	80	60	43.170	110,102	601,235	5,461	4,990
31	11	97.748	9.664,390	126.573,158	13,097	12,626	81	61	39.741	94,068	491,132	5,221	4,750
32	12	97.662	8.961,348	116.908,768	13,046	12,575	82	62	36.273	79,684	397,064	4,983	4,512
33	13	97.574	8.309,277	107.947,420	12,991	12,521	83	63	32.662	66,589	317,380	4,766	4,296
34	14	97.479	7.704,115	99.638,143	12,933	12,462	84	64	29.134	55,125	250,791	4,549	4,079
35	15	97.374	7.142,329	91.934,028	12,872	12,401	85	65	25.732	45,186	195,666	4,330	3,860
36	16	97.255	6.620,492	84.791,698	12,807	12,337	86	66	22.556	36,760	150,480	4,094	3,623
37	17	97.125	6.136,072	78.171,206	12,740	12,269	87	67	19.391	29,329	113,720	3,877	3,407
38	18	96.986	5.686,599	72.035,134	12,668	12,197	88	68	16.311	22,897	84,391	3,686	3,215
39	19	96.825	5.268,798	66.348,535	12,593	12,122	89	69	13.456	17,530	61,494	3,508	3,037
40	20	96.649	4.880,946	61.079,736	12,514	12,043	90	70	10.896	13,174	43,964	3,337	2,867
41	21	96.452	4.520,651	56.198,790	12,432	11,961	91	71	8.657	9,714	30,790	3,170	2,699
42	22	96.245	4.186,505	51.678,140	12,344	11,873	92	72	6.705	6,983	21,076	3,018	2,548
43	23	96.007	3.875,768	47.491,635	12,253	11,783	93	73	5.071	4,901	14,093	2,876	2,405
44	24	95.744	3.587,160	43.615,866	12,159	11,688	94	74	3.737	3,352	9,193	2,742	2,272
45	25	95.461	3.319,317	40.028,706	12,059	11,589	95	75	2.681	2,232	5,841	2,617	2,146
46	26	95.144	3.070,338	36.709,389	11,956	11,485	96	76	1.868	1,443	3,609	2,500	2,029
47	27	94.794	2.839,035	33.639,051	11,849	11,378	97	77	1.264	0,906	2,165	2,390	1,919
48	28	94.412	2.624,195	30.800,016	11,737	11,266	98	78	828	0,551	1,259	2,287	1,816
49	29	93.998	2.424,785	28.175,822	11,620	11,149	99	79	524	0,324	0,709	2,189	1,719
							100	80	320	0,184	0,385	2,098	1,627

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 21 Jahre

Zinsfuß 7,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	29	93.576	2.240,280	25.778,741	11,507	11,036
1							51	30	93.085	2.068,238	23.538,461	11,381	10,910
2							52	31	92.573	1.908,908	21.470,223	11,247	10,777
3							53	32	91.997	1.760,589	19.561,315	11,111	10,640
4							54	33	91.386	1.623,110	17.800,726	10,967	10,496
5							55	34	90.729	1.495,540	16.177,616	10,817	10,347
6							56	35	90.008	1.376,937	14.682,075	10,663	10,192
7							57	36	89.258	1.267,243	13.305,138	10,499	10,029
8							58	37	88.435	1.165,260	12.037,895	10,331	9,860
9							59	38	87.539	1.070,485	10.872,635	10,157	9,686
10							60	39	86.558	982,359	9.802,150	9,978	9,508
11							61	40	85.515	900,716	8.819,791	9,792	9,321
12							62	41	84.414	825,173	7.919,075	9,597	9,126
13							63	42	83.195	754,759	7.093,903	9,399	8,928
14							64	43	81.900	689,574	6.339,143	9,193	8,722
15							65	44	80.503	629,058	5.649,570	8,981	8,510
16							66	45	78.983	572,790	5.020,512	8,765	8,294
17							67	46	77.349	520,593	4.447,722	8,544	8,073
18							68	47	75.556	471,950	3.927,130	8,321	7,850
19							69	48	73.627	426,819	3.455,179	8,095	7,625
20							70	49	71.579	385,101	3.028,360	7,864	7,393
21	0	98.983	20.644,259	276.556,913	13,396	12,926	71	50	69.370	346,374	2.643,259	7,631	7,161
22	1	98.530	19.071,693	255.912,654	13,418	12,948	72	51	67.016	310,551	2.296,885	7,396	6,925
23	2	98.421	17.680,268	236.840,961	13,396	12,925	73	52	64.477	277,296	1.986,334	7,163	6,693
24	3	98.328	16.393,197	219.160,694	13,369	12,898	74	53	61.789	246,622	1.709,039	6,930	6,459
25	4	98.240	15.200,455	202.767,497	13,340	12,869	75	54	58.979	218,474	1.462,417	6,694	6,223
26	5	98.156	14.095,012	187.567,041	13,307	12,837	76	55	56.056	192,713	1.243,943	6,455	5,984
27	6	98.072	13.070,153	173.472,030	13,272	12,802	77	56	53.058	169,286	1.051,230	6,210	5,739
28	7	97.993	12.120,281	160.401,877	13,234	12,764	78	57	49.953	147,914	881,944	5,963	5,492
29	8	97.913	11.239,273	148.281,596	13,193	12,723	79	58	46.711	128,367	734,030	5,718	5,248
30	9	97.835	10.422,543	137.042,322	13,149	12,678	80	59	43.390	110,665	605,663	5,473	5,002
31	10	97.757	9.665,203	126.619,779	13,101	12,630	81	60	39.961	94,589	494,998	5,233	4,762
32	11	97.671	8.962,189	116.954,577	13,050	12,579	82	61	36.478	80,135	400,409	4,997	4,526
33	12	97.582	8.309,983	107.992,388	12,996	12,525	83	62	32.868	67,011	320,275	4,779	4,309
34	13	97.488	7.704,861	99.682,405	12,938	12,467	84	63	29.334	55,503	253,264	4,563	4,092
35	14	97.386	7.143,162	91.977,544	12,876	12,406	85	64	25.922	45,519	197,761	4,345	3,874
36	15	97.272	6.621,675	84.834,382	12,812	12,341	86	65	22.742	37,063	152,242	4,108	3,637
37	16	97.145	6.137,372	78.212,707	12,744	12,273	87	66	19.568	29,597	115,179	3,892	3,421
38	17	97.007	5.687,851	72.075,335	12,672	12,201	88	67	16.479	23,132	85,582	3,700	3,229
39	18	96.852	5.270,314	66.387,484	12,596	12,126	89	68	13.612	17,733	62,451	3,522	3,051
40	19	96.675	4.882,299	61.117,170	12,518	12,047	90	69	11.037	13,344	44,718	3,351	2,880
41	20	96.482	4.522,079	56.234,871	12,436	11,965	91	70	8.782	9,854	31,374	3,184	2,713
42	21	96.268	4.187,529	51.712,792	12,349	11,879	92	71	6.816	7,098	21,519	3,032	2,561
43	22	96.033	3.876,818	47.525,262	12,259	11,788	93	72	5.164	4,991	14,421	2,890	2,419
44	23	95.769	3.588,096	43.648,444	12,165	11,694	94	73	3.815	3,422	9,431	2,756	2,286
45	24	95.487	3.320,219	40.060,348	12,066	11,595	95	74	2.743	2,284	6,009	2,631	2,161
46	25	95.167	3.071,094	36.740,129	11,963	11,493	96	75	1.918	1,482	3,725	2,514	2,043
47	26	94.821	2.839,830	33.669,035	11,856	11,385	97	76	1.301	0,933	2,243	2,405	1,934
48	27	94.439	2.624,960	30.829,205	11,745	11,274	98	77	856	0,569	1,310	2,302	1,831
49	28	94.026	2.425,505	28.204,246	11,628	11,158	99	78	544	0,336	0,741	2,205	1,734
							100	79	334	0,192	0,405	2,114	1,643

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 22 Jahre

Zinsfuß 7,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	28	93.604	2.240,945	25.804,065	11,515	11,044
1							51	29	93.113	2.068,843	23.563,120	11,390	10,919
2							52	30	92.603	1.909,534	21.494,277	11,256	10,786
3							53	31	92.030	1.761,219	19.584,743	11,120	10,649
4							54	32	91.419	1.623,687	17.823,524	10,977	10,507
5							55	33	90.766	1.496,138	16.199,837	10,828	10,357
6							56	34	90.050	1.377,583	14.703,699	10,674	10,203
7							57	35	89.303	1.267,892	13.326,116	10,510	10,040
8							58	36	88.485	1.165,919	12.058,224	10,342	9,872
9							59	37	87.592	1.071,141	10.892,304	10,169	9,698
10							60	38	86.619	983,046	9.821,163	9,991	9,520
11							61	39	85.583	901,438	8.838,116	9,804	9,334
12							62	40	84.488	825,891	7.936,679	9,610	9,139
13							63	41	83.277	755,506	7.110,788	9,412	8,941
14							64	42	81.993	690,350	6.355,282	9,206	8,735
15							65	43	80.608	629,876	5.664,932	8,994	8,523
16							66	44	79.093	573,588	5.035,056	8,778	8,308
17							67	45	77.472	521,420	4.461,468	8,556	8,086
18							68	46	75.692	472,799	3.940,048	8,333	7,863
19							69	47	73.770	427,651	3.467,249	8,108	7,637
20							70	48	71.731	385,919	3.039,598	7,876	7,406
21							71	49	69.537	347,210	2.653,679	7,643	7,172
22	0	98.906	19.144,383	256.046,961	13,375	12,904	72	50	67.186	311,338	2.306,470	7,408	6,938
23	1	98.456	17.686,602	236.902,578	13,394	12,924	73	51	64.657	278,068	1.995,132	7,175	6,704
24	2	98.348	16.396,439	219.215,976	13,370	12,899	74	52	61.976	247,370	1.717,064	6,941	6,471
25	3	98.257	15.203,065	202.819,537	13,341	12,870	75	53	59.166	219,166	1.469,694	6,706	6,235
26	4	98.168	14.096,832	187.616,473	13,309	12,838	76	54	56.252	193,385	1.250,528	6,467	5,996
27	5	98.085	13.071,862	173.519,640	13,274	12,804	77	55	53.260	169,930	1.057,143	6,221	5,750
28	6	98.002	12.121,398	160.447,779	13,237	12,766	78	56	50.154	148,510	887,213	5,974	5,503
29	7	97.921	11.240,252	148.326,381	13,196	12,725	79	57	46.920	128,942	738,703	5,729	5,258
30	8	97.844	10.423,544	137.086,128	13,152	12,681	80	58	43.600	111,200	609,761	5,483	5,013
31	9	97.763	9.665,827	126.662,585	13,104	12,634	81	59	40.166	95,072	498,560	5,244	4,773
32	10	97.680	8.962,942	116.996,757	13,053	12,583	82	60	36.680	80,578	403,488	5,007	4,537
33	11	97.591	8.310,762	108.033,815	12,999	12,529	83	61	33.054	67,390	322,910	4,792	4,321
34	12	97.497	7.705,516	99.723,053	12,942	12,471	84	62	29.519	55,854	255,520	4,575	4,104
35	13	97.395	7.143,854	92.017,537	12,881	12,410	85	63	26.099	45,831	199,666	4,357	3,886
36	14	97.284	6.622,447	84.873,683	12,816	12,345	86	64	22.909	37,336	153,835	4,120	3,650
37	15	97.163	6.138,469	78.251,237	12,748	12,277	87	65	19.729	29,841	116,499	3,904	3,433
38	16	97.028	5.689,056	72.112,768	12,676	12,205	88	66	16.630	23,343	86,658	3,712	3,242
39	17	96.874	5.271,474	66.423,712	12,601	12,130	89	67	13.752	17,915	63,315	3,534	3,064
40	18	96.703	4.883,704	61.152,238	12,522	12,051	90	68	11.165	13,498	45,400	3,363	2,893
41	19	96.509	4.523,333	56.268,534	12,440	11,969	91	69	8.896	9,982	31,902	3,196	2,725
42	20	96.299	4.188,852	51.745,201	12,353	11,882	92	70	6.914	7,200	21,920	3,044	2,574
43	21	96.056	3.877,767	47.556,349	12,264	11,793	93	71	5.249	5,073	14,720	2,902	2,431
44	22	95.795	3.589,068	43.678,582	12,170	11,699	94	72	3.885	3,485	9,647	2,769	2,298
45	23	95.512	3.321,086	40.089,514	12,071	11,601	95	73	2.800	2,331	6,163	2,643	2,173
46	24	95.193	3.071,928	36.768,428	11,969	11,499	96	74	1.963	1,516	3,831	2,527	2,056
47	25	94.844	2.840,529	33.696,500	11,863	11,392	97	75	1.336	0,958	2,315	2,417	1,946
48	26	94.466	2.625,695	30.855,971	11,752	11,281	98	76	881	0,586	1,357	2,315	1,844
49	27	94.054	2.426,212	28.230,277	11,636	11,165	99	77	563	0,347	0,771	2,219	1,748
							100	78	347	0,199	0,423	2,128	1,657

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 23 Jahre

Zinsfuß 7,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	27	93.631	2.241,598	25.827,255	11,522	11,051
1							51	28	93.140	2.069,457	23.585,656	11,397	10,926
2							52	29	92.630	1.910,093	21.516,199	11,264	10,794
3							53	30	92.060	1.761,795	19.606,106	11,128	10,658
4							54	31	91.451	1.624,267	17.844,311	10,986	10,515
5							55	32	90.798	1.496,670	16.220,043	10,837	10,367
6							56	33	90.086	1.378,134	14.723,373	10,684	10,213
7							57	34	89.345	1.268,487	13.345,239	10,521	10,050
8							58	35	88.531	1.166,516	12.076,752	10,353	9,882
9							59	36	87.642	1.071,748	10.910,236	10,180	9,709
10							60	37	86.672	983,650	9.838,488	10,002	9,531
11							61	38	85.643	902,069	8.854,838	9,816	9,345
12							62	39	84.555	826,553	7.952,770	9,622	9,151
13							63	40	83.350	756,164	7.126,217	9,424	8,954
14							64	41	82.074	691,033	6.370,053	9,218	8,747
15							65	42	80.699	630,585	5.679,020	9,006	8,535
16							66	43	79.196	574,334	5.048,436	8,790	8,319
17							67	44	77.580	522,146	4.474,102	8,569	8,098
18							68	45	75.813	473,551	3.951,956	8,345	7,875
19							69	46	73.903	428,420	3.478,405	8,119	7,648
20							70	47	71.871	386,671	3.049,985	7,888	7,417
21							71	48	69.685	347,947	2.663,314	7,654	7,184
22							72	49	67.348	312,089	2.315,367	7,419	6,948
23	0	98.831	17.754,013	237.026,162	13,351	12,880	73	50	64.820	278,772	2.003,278	7,186	6,715
24	1	98.383	16.402,313	219.272,149	13,368	12,898	74	51	62.149	248,059	1.724,506	6,952	6,481
25	2	98.276	15.206,071	202.869,836	13,341	12,871	75	52	59.345	219,831	1.476,447	6,716	6,246
26	3	98.185	14.099,252	187.663,765	13,310	12,840	76	53	56.430	193,998	1.256,616	6,477	6,007
27	4	98.098	13.073,550	173.564,513	13,276	12,805	77	54	53.446	170,523	1.062,619	6,232	5,761
28	5	98.015	12.122,982	160.490,962	13,239	12,768	78	55	50.345	149,075	892,096	5,984	5,514
29	6	97.930	11.241,288	148.367,980	13,198	12,728	79	56	47.109	129,462	743,021	5,739	5,269
30	7	97.852	10.424,452	137.126,692	13,154	12,684	80	57	43.796	111,699	613,559	5,493	5,022
31	8	97.772	9.666,755	126.702,240	13,107	12,636	81	58	40.360	95,532	501,860	5,253	4,783
32	9	97.686	8.963,521	117.035,485	13,057	12,586	82	59	36.868	80,990	406,328	5,017	4,546
33	10	97.599	8.311,461	108.071,963	13,003	12,532	83	60	33.237	67,763	325,338	4,801	4,330
34	11	97.506	7.706,238	99.760,502	12,945	12,475	84	61	29.686	56,170	257,575	4,586	4,115
35	12	97.403	7.144,461	92.054,264	12,885	12,414	85	62	26.264	46,121	201,405	4,367	3,896
36	13	97.293	6.623,088	84.909,803	12,820	12,350	86	63	23.066	37,592	155,284	4,131	3,660
37	14	97.174	6.139,184	78.286,715	12,752	12,281	87	64	19.875	30,060	117,692	3,915	3,445
38	15	97.045	5.690,072	72.147,530	12,680	12,209	88	65	16.766	23,535	87,632	3,723	3,253
39	16	96.894	5.272,590	66.457,458	12,604	12,134	89	66	13.877	18,079	64,096	3,545	3,075
40	17	96.724	4.884,779	61.184,868	12,526	12,055	90	67	11.279	13,637	46,017	3,374	2,904
41	18	96.537	4.524,634	56.300,089	12,443	11,972	91	68	8.998	10,097	32,380	3,207	2,736
42	19	96.325	4.190,014	51.775,455	12,357	11,886	92	69	7.003	7,293	22,283	3,055	2,585
43	20	96.086	3.878,992	47.585,441	12,267	11,797	93	70	5.324	5,146	14,990	2,913	2,442
44	21	95.818	3.589,946	43.706,449	12,175	11,704	94	71	3.949	3,542	9,844	2,779	2,309
45	22	95.538	3.321,985	40.116,503	12,076	11,605	95	72	2.852	2,374	6,302	2,655	2,184
46	23	95.218	3.072,730	36.794,517	11,975	11,504	96	73	2.004	1,548	3,928	2,537	2,067
47	24	94.870	2.841,301	33.721,787	11,868	11,398	97	74	1.367	0,980	2,380	2,428	1,958
48	25	94.489	2.626,341	30.880,487	11,758	11,287	98	75	905	0,602	1,400	2,326	1,855
49	26	94.080	2.426,891	28.254,146	11,642	11,171	99	76	579	0,358	0,798	2,230	1,759
							100	77	359	0,206	0,440	2,140	1,670

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 24 Jahre

Zinsfuß 7,75%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	26	93.658	2.242,226	25.848,517	11,528	11,057
1							51	27	93.167	2.070,061	23.606,291	11,404	10,933
2							52	28	92.658	1.910,660	21.536,230	11,272	10,801
3							53	29	92.087	1.762,311	19.625,570	11,136	10,666
4							54	30	91.481	1.624,799	17.863,259	10,994	10,523
5							55	31	90.830	1.497,205	16.238,460	10,846	10,375
6							56	32	90.118	1.378,624	14.741,254	10,693	10,222
7							57	33	89.381	1.268,994	13.362,631	10,530	10,059
8							58	34	88.572	1.167,064	12.093,637	10,362	9,892
9							59	35	87.687	1.072,296	10.926,573	10,190	9,719
10							60	36	86.721	984,206	9.854,276	10,012	9,542
11							61	37	85.696	902,622	8.870,070	9,827	9,356
12							62	38	84.615	827,131	7.967,448	9,633	9,162
13							63	39	83.417	756,769	7.140,317	9,435	8,965
14							64	40	82.145	691,635	6.383,548	9,230	8,759
15							65	41	80.779	631,209	5.691,913	9,017	8,547
16							66	42	79.285	574,980	5.060,704	8,802	8,331
17							67	43	77.681	522,825	4.485,724	8,580	8,109
18							68	44	75.918	474,211	3.962,899	8,357	7,886
19							69	45	74.020	429,101	3.488,688	8,130	7,660
20							70	46	72.000	387,367	3.059,587	7,898	7,428
21							71	47	69.821	348,625	2.672,221	7,665	7,194
22							72	48	67.491	312,752	2.323,596	7,430	6,959
23							73	49	64.977	279,445	2.010,844	7,196	6,725
24	0	98.758	16.464,829	219.385,868	13,325	12,854	74	50	62.306	248,687	1.731,399	6,962	6,491
25	1	98.312	15.211,519	202.921,039	13,340	12,869	75	51	59.510	220,443	1.482,712	6,726	6,255
26	2	98.204	14.102,040	187.709,520	13,311	12,840	76	52	56.601	194,586	1.262,269	6,487	6,016
27	3	98.115	13.075,795	173.607,480	13,277	12,806	77	53	53.615	171,063	1.067,683	6,241	5,771
28	4	98.028	12.124,548	160.531,685	13,240	12,770	78	54	50.520	149,595	896,620	5,994	5,523
29	5	97.943	11.242,758	148.407,136	13,200	12,730	79	55	47.288	129,954	747,025	5,748	5,278
30	6	97.861	10.425,412	137.164,378	13,157	12,686	80	56	43.972	112,149	617,071	5,502	5,032
31	7	97.781	9.667,597	126.738,966	13,110	12,639	81	57	40.541	95,961	504,922	5,262	4,791
32	8	97.695	8.964,382	117.071,369	13,060	12,589	82	58	37.046	81,382	408,961	5,025	4,555
33	9	97.606	8.311,998	108.106,987	13,006	12,535	83	59	33.407	68,109	327,579	4,810	4,339
34	10	97.514	7.706,887	99.794,989	12,949	12,478	84	60	29.851	56,481	259,470	4,594	4,123
35	11	97.413	7.145,131	92.088,102	12,888	12,418	85	61	26.413	46,382	202,989	4,376	3,906
36	12	97.301	6.623,651	84.942,972	12,824	12,354	86	62	23.212	37,830	156,607	4,140	3,669
37	13	97.183	6.139,779	78.319,321	12,756	12,285	87	63	20.011	30,266	118,777	3,924	3,454
38	14	97.057	5.690,735	72.179,541	12,684	12,213	88	64	16.890	23,709	88,511	3,733	3,263
39	15	96.912	5.273,533	66.488,806	12,608	12,137	89	65	13.992	18,228	64,802	3,555	3,084
40	16	96.745	4.885,813	61.215,273	12,529	12,059	90	66	11.382	13,762	46,574	3,384	2,914
41	17	96.558	4.525,630	56.329,460	12,447	11,976	91	67	9.091	10,201	32,813	3,217	2,746
42	18	96.353	4.191,219	51.803,830	12,360	11,889	92	68	7.084	7,378	22,612	3,065	2,594
43	19	96.113	3.880,067	47.612,611	12,271	11,800	93	69	5.393	5,212	15,234	2,923	2,452
44	20	95.849	3.591,081	43.732,543	12,178	11,707	94	70	4.006	3,593	10,022	2,789	2,319
45	21	95.561	3.322,798	40.141,463	12,081	11,610	95	71	2.899	2,413	6,429	2,664	2,193
46	22	95.244	3.073,562	36.818,665	11,979	11,508	96	72	2.040	1,576	4,016	2,547	2,077
47	23	94.895	2.842,042	33.745,102	11,874	11,403	97	73	1.395	1,001	2,439	2,438	1,967
48	24	94.515	2.627,055	30.903,060	11,763	11,293	98	74	926	0,616	1,439	2,336	1,865
49	25	94.103	2.427,489	28.276,006	11,648	11,178	99	75	595	0,367	0,823	2,240	1,769
							100	76	369	0,212	0,455	2,151	1,680

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 25 Jahre

Zinsfuß 7,75%

Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	25	93.681	2.242,778	25.867,987	11,534	11,063
1							51	26	93.194	2.070,640	23.625,209	11,410	10,939
2							52	27	92.685	1.911,217	21.554,569	11,278	10,807
3							53	28	92.114	1.762,834	19.643,352	11,143	10,672
4							54	29	91.508	1.625,275	17.880,517	11,002	10,531
5							55	30	90.860	1.497,696	16.255,242	10,854	10,383
6							56	31	90.151	1.379,117	14.757,547	10,701	10,230
7							57	32	89.413	1.269,445	13.378,430	10,539	10,068
8							58	33	88.607	1.167,530	12.108,985	10,371	9,901
9							59	34	87.728	1.072,799	10.941,455	10,199	9,728
10							60	35	86.765	984,710	9.868,655	10,022	9,551
11							61	36	85.744	903,133	8.883,945	9,837	9,366
12							62	37	84.667	827,639	7.980,812	9,643	9,172
13							63	38	83.475	757,299	7.153,173	9,446	8,975
14							64	39	82.211	692,189	6.395,874	9,240	8,769
15							65	40	80.849	631,758	5.703,685	9,028	8,558
16							66	41	79.364	575,549	5.071,927	8,812	8,342
17							67	42	77.768	523,414	4.496,378	8,590	8,120
18							68	43	76.017	474,827	3.972,964	8,367	7,897
19							69	44	74.124	429,699	3.498,137	8,141	7,670
20							70	45	72.114	387,982	3.068,438	7,909	7,438
21							71	46	69.947	349,252	2.680,456	7,675	7,204
22							72	47	67.622	313,361	2.331,204	7,439	6,969
23							73	48	65.115	280,038	2.017,843	7,206	6,735
24							74	49	62.457	249,287	1.737,804	6,971	6,500
25	0	98.686	15.269,496	203.025,682	13,296	12,825	75	50	59.661	221,001	1.488,517	6,735	6,265
26	1	98.240	14.107,093	187.756,185	13,309	12,839	76	51	56.759	195,128	1.267,516	6,496	6,025
27	2	98.134	13.078,381	173.649,092	13,278	12,807	77	52	53.778	171,582	1.072,388	6,250	5,779
28	3	98.045	12.126,630	160.570,712	13,241	12,771	78	53	50.680	150,069	900,806	6,003	5,532
29	4	97.956	11.244,210	148.444,082	13,202	12,731	79	54	47.454	130,408	750,737	5,757	5,286
30	5	97.874	10.426,775	137.199,872	13,158	12,688	80	55	44.139	112,576	620,330	5,510	5,040
31	6	97.790	9.668,488	126.773,096	13,112	12,641	81	56	40.704	96,348	507,754	5,270	4,799
32	7	97.704	8.965,163	117.104,608	13,062	12,592	82	57	37.212	81,747	411,407	5,033	4,562
33	8	97.615	8.312,796	108.139,446	13,009	12,538	83	58	33.569	68,439	329,660	4,817	4,346
34	9	97.520	7.707,385	99.826,650	12,952	12,481	84	59	30.003	56,770	261,221	4,601	4,131
35	10	97.421	7.145,732	92.119,265	12,892	12,421	85	60	26.559	46,639	204,451	4,384	3,913
36	11	97.311	6.624,272	84.973,533	12,828	12,357	86	61	23.344	38,044	157,813	4,148	3,678
37	12	97.192	6.140,301	78.349,261	12,760	12,289	87	62	20.137	30,458	119,769	3,932	3,462
38	13	97.066	5.691,287	72.208,960	12,688	12,217	88	63	17.006	23,871	89,311	3,741	3,271
39	14	96.923	5.274,147	66.517,674	12,612	12,141	89	64	14.095	18,362	65,440	3,564	3,093
40	15	96.762	4.886,687	61.243,526	12,533	12,062	90	65	11.476	13,875	47,078	3,393	2,922
41	16	96.578	4.526,589	56.356,840	12,450	11,980	91	66	9.174	10,294	33,203	3,225	2,755
42	17	96.374	4.192,142	51.830,251	12,364	11,893	92	67	7.157	7,453	22,909	3,074	2,603
43	18	96.141	3.881,184	47.638,110	12,274	11,803	93	68	5.456	5,273	15,456	2,931	2,461
44	19	95.875	3.592,076	43.756,926	12,182	11,711	94	69	4.058	3,639	10,183	2,798	2,327
45	20	95.591	3.323,848	40.164,850	12,084	11,613	95	70	2.941	2,448	6,543	2,673	2,202
46	21	95.267	3.074,314	36.841,002	11,983	11,513	96	71	2.074	1,602	4,095	2,556	2,085
47	22	94.921	2.842,812	33.766,687	11,878	11,407	97	72	1.421	1,019	2,493	2,447	1,976
48	23	94.539	2.627,740	30.923,876	11,768	11,298	98	73	945	0,629	1,474	2,344	1,874
49	24	94.129	2.428,148	28.296,135	11,653	11,183	99	74	609	0,376	0,845	2,249	1,778
							100	75	379	0,217	0,469	2,159	1,689

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 0 Jahre

Zinsfuß 8,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	0	100.000	100.000,000	1.324.914,656	13,249	12,778	50	50	91.638	1.953,833	21.080,171	10,789	10,318
1	1	99.166	91.820,193	1.224.914,656	13,340	12,869	51	51	90.953	1.795,592	19.126,338	10,652	10,181
2	2	99.090	84.953,914	1.133.094,463	13,338	12,867	52	52	90.231	1.649,378	17.330,746	10,507	10,036
3	3	99.051	78.629,645	1.048.140,549	13,330	12,859	53	53	89.431	1.513,655	15.681,368	10,360	9,889
4	4	99.016	72.779,451	969.510,904	13,321	12,850	54	54	88.588	1.388,325	14.167,714	10,205	9,734
5	5	98.990	67.370,641	896.731,453	13,310	12,839	55	55	87.680	1.272,317	12.779,388	10,044	9,573
6	6	98.963	62.363,528	829.360,811	13,299	12,828	56	56	86.694	1.164,825	11.507,071	9,879	9,408
7	7	98.942	57.731,957	766.997,283	13,285	12,814	57	57	85.670	1.065,799	10.342,246	9,704	9,233
8	8	98.922	53.444,260	709.265,327	13,271	12,800	58	58	84.550	973,946	9.276,447	9,525	9,054
9	9	98.900	49.474,793	655.821,066	13,256	12,785	59	59	83.341	888,906	8.302,501	9,340	8,869
10	10	98.885	45.802,746	606.346,274	13,238	12,767	60	60	82.046	810,270	7.413,595	9,150	8,678
11	11	98.867	42.402,399	560.543,527	13,220	12,749	61	61	80.675	737,720	6.603,326	8,951	8,480
12	12	98.844	39.252,127	518.141,128	13,200	12,729	62	62	79.258	671,072	5.865,606	8,741	8,270
13	13	98.822	36.336,730	478.889,001	13,179	12,708	63	63	77.698	609,136	5.194,534	8,528	8,057
14	14	98.800	33.637,498	442.552,271	13,157	12,685	64	64	76.054	552,083	4.585,398	8,306	7,835
15	15	98.770	31.136,457	408.914,773	13,133	12,662	65	65	74.307	499,441	4.033,315	8,076	7,605
16	16	98.729	28.818,102	377.778,316	13,109	12,638	66	66	72.409	450,636	3.533,874	7,842	7,371
17	17	98.670	26.667,559	348.960,214	13,086	12,615	67	67	70.380	405,565	3.083,238	7,602	7,131
18	18	98.599	24.674,239	322.292,655	13,062	12,591	68	68	68.173	363,744	2.677,673	7,361	6,890
19	19	98.496	22.822,623	297.618,416	13,041	12,569	69	69	65.800	325,077	2.313,929	7,118	6,647
20	20	98.389	21.109,185	274.795,793	13,018	12,547	70	70	63.288	289,505	1.988,852	6,870	6,399
21	21	98.283	19.524,513	253.686,608	12,993	12,522	71	71	60.609	256,714	1.699,348	6,620	6,149
22	22	98.182	18.059,658	234.162,095	12,966	12,495	72	72	57.749	226,480	1.442,634	6,370	5,899
23	23	98.081	16.704,774	216.102,436	12,937	12,466	73	73	54.711	198,674	1.216,153	6,121	5,650
24	24	97.983	15.451,886	199.397,662	12,904	12,433	74	74	51.518	173,220	1.017,479	5,874	5,403
25	25	97.886	14.293,037	183.945,776	12,870	12,399	75	75	48.208	150,084	844,259	5,625	5,154
26	26	97.790	13.221,359	169.652,739	12,832	12,361	76	76	44.787	129,105	694,175	5,377	4,906
27	27	97.693	12.229,819	156.431,380	12,791	12,320	77	77	41.321	110,290	565,070	5,123	4,652
28	28	97.594	11.312,511	144.201,561	12,747	12,276	78	78	37.788	93,391	454,780	4,870	4,399
29	29	97.494	10.463,741	132.889,050	12,700	12,229	79	79	34.179	78,213	361,389	4,621	4,150
30	30	97.396	9.679,001	122.425,310	12,649	12,178	80	80	30.561	64,753	283,176	4,373	3,902
31	31	97.293	8.952,558	112.746,309	12,594	12,123	81	81	26.911	52,797	218,423	4,137	3,666
32	32	97.182	8.279,901	103.793,751	12,536	12,065	82	82	23.325	42,371	165,625	3,909	3,438
33	33	97.068	7.657,570	95.513,850	12,473	12,002	83	83	19.770	33,253	123,254	3,707	3,236
34	34	96.944	7.081,292	87.856,280	12,407	11,936	84	84	16.483	25,671	90,001	3,506	3,035
35	35	96.806	6.547,419	80.774,988	12,337	11,866	85	85	13.487	19,449	64,331	3,308	2,837
36	36	96.655	6.052,980	74.227,569	12,263	11,792	86	86	10.885	14,534	44,882	3,088	2,617
37	37	96.491	5.595,119	68.174,588	12,185	11,714	87	87	8.491	10,498	30,348	2,891	2,420
38	38	96.316	5.171,234	62.579,469	12,101	11,630	88	88	6.365	7,287	19,851	2,724	2,253
39	39	96.116	4.778,237	57.408,236	12,015	11,543	89	89	4.613	4,890	12,564	2,570	2,098
40	40	95.891	4.413,939	52.629,999	11,924	11,453	90	90	3.223	3,163	7,675	2,426	1,955
41	41	95.642	4.076,393	48.216,060	11,828	11,357	91	91	2.173	1,975	4,512	2,285	1,814
42	42	95.366	3.763,543	44.139,667	11,728	11,257	92	92	1.390	1,170	2,537	2,169	1,698
43	43	95.049	3.473,166	40.376,124	11,625	11,154	93	93	851	0,663	1,367	2,063	1,592
44	44	94.691	3.203,769	36.902,958	11,519	11,048	94	94	497	0,358	0,704	1,966	1,495
45	45	94.305	2.954,376	33.699,188	11,407	10,935	95	95	276	0,184	0,346	1,878	1,407
46	46	93.866	2.722,791	30.744,812	11,292	10,821	96	96	146	0,090	0,162	1,797	1,326
47	47	93.379	2.508,033	28.022,021	11,173	10,702	97	97	73	0,042	0,072	1,724	1,253
48	48	92.848	2.309,050	25.513,988	11,050	10,579	98	98	34	0,018	0,030	1,657	1,186
49	49	92.273	2.124,767	23.204,938	10,921	10,450	99	99	15	0,007	0,012	1,596	1,125
							100	100	6	0,003	0,004	1,540	1,069

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -1 Jahr

Zinsfuß 8,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	1	99.620	99.620,306	1.324.115,237	13,292	12,821	50	51	91.406	1.948,896	20.931,453	10,740	10,269
1	2	99.130	91.787,308	1.224.494,931	13,341	12,870	51	52	90.701	1.790,605	18.982,556	10,601	10,130
2	3	99.071	84.937,118	1.132.707,623	13,336	12,865	52	53	89.958	1.644,391	17.191,952	10,455	9,984
3	4	99.034	78.616,149	1.047.770,505	13,328	12,857	53	54	89.148	1.508,875	15.547,560	10,304	9,833
4	5	99.003	72.770,051	969.154,356	13,318	12,847	54	55	88.280	1.383,496	14.038,685	10,147	9,676
5	6	98.977	67.361,835	896.384,305	13,307	12,836	55	56	87.348	1.267,499	12.655,188	9,984	9,513
6	7	98.954	62.357,781	829.022,470	13,295	12,824	56	57	86.346	1.160,149	11.387,690	9,816	9,345
7	8	98.934	57.726,929	766.664,689	13,281	12,810	57	58	85.288	1.061,042	10.227,541	9,639	9,168
8	9	98.912	53.439,130	708.937,760	13,266	12,795	58	59	84.143	969,256	9.166,499	9,457	8,986
9	10	98.894	49.471,596	655.498,630	13,250	12,779	59	60	82.917	884,387	8.197,243	9,269	8,798
10	11	98.876	45.798,895	606.027,034	13,232	12,761	60	61	81.594	805,810	7.312,856	9,075	8,604
11	12	98.858	42.398,423	560.228,140	13,213	12,742	61	62	80.221	733,569	6.507,046	8,870	8,399
12	13	98.835	39.248,794	517.829,717	13,194	12,722	62	63	78.759	666,849	5.773,478	8,658	8,187
13	14	98.813	36.333,209	478.580,923	13,172	12,701	63	64	77.170	604,992	5.106,629	8,441	7,970
14	15	98.788	33.633,579	442.247,714	13,149	12,678	64	65	75.498	548,046	4.501,636	8,214	7,743
15	16	98.752	31.130,894	408.614,136	13,126	12,655	65	66	73.700	495,362	3.953,591	7,981	7,510
16	17	98.708	28.811,999	377.483,242	13,102	12,631	66	67	71.753	446,555	3.458,229	7,744	7,273
17	18	98.649	26.661,692	348.671,243	13,078	12,607	67	68	69.665	401,442	3.011,674	7,502	7,031
18	19	98.570	24.667,143	322.009,551	13,054	12,583	68	69	67.393	359,584	2.610,231	7,259	6,788
19	20	98.468	22.816,296	297.342,408	13,032	12,561	69	70	64.960	320,930	2.250,648	7,013	6,542
20	21	98.358	21.102,518	274.526,112	13,009	12,538	70	71	62.388	285,390	1.929,718	6,762	6,291
21	22	98.259	19.519,736	253.423,594	12,983	12,512	71	72	59.626	252,552	1.644,329	6,511	6,040
22	23	98.155	18.054,769	233.903,858	12,955	12,484	72	73	56.707	222,397	1.391,777	6,258	5,787
23	24	98.056	16.700,416	215.849,089	12,925	12,454	73	74	53.596	194,626	1.169,379	6,008	5,537
24	25	97.957	15.447,688	199.148,673	12,892	12,421	74	75	50.345	169,277	974,753	5,758	5,287
25	26	97.861	14.289,520	183.700,985	12,856	12,385	75	76	46.958	146,193	805,476	5,510	5,039
26	27	97.762	13.217,657	169.411,465	12,817	12,346	76	77	43.490	125,368	659,283	5,259	4,788
27	28	97.664	12.226,255	156.193,808	12,775	12,304	77	78	39.976	106,702	533,915	5,004	4,533
28	29	97.565	11.309,153	143.967,553	12,730	12,259	78	79	36.388	89,929	427,213	4,751	4,279
29	30	97.465	10.460,678	132.658,400	12,682	12,211	79	80	32.741	74,923	337,284	4,502	4,031
30	31	97.365	9.675,831	122.197,722	12,629	12,158	80	81	29.072	61,599	262,361	4,259	3,788
31	32	97.259	8.949,360	112.521,891	12,573	12,102	81	82	25.411	49,854	200,762	4,027	3,556
32	33	97.147	8.276,957	103.572,531	12,513	12,042	82	83	21.818	39,633	150,907	3,808	3,337
33	34	97.029	7.654,510	95.295,574	12,450	11,979	83	84	18.353	30,870	111,274	3,605	3,134
34	35	96.898	7.077,973	87.641,063	12,382	11,911	84	85	15.158	23,608	80,405	3,406	2,935
35	36	96.756	6.544,067	80.563,091	12,311	11,840	85	86	12.316	17,760	56,797	3,198	2,727
36	37	96.600	6.049,558	74.019,024	12,235	11,764	86	87	9.787	13,068	39,037	2,987	2,516
37	38	96.432	5.591,688	67.969,466	12,155	11,684	87	88	7.490	9,260	25,968	2,804	2,333
38	39	96.248	5.167,616	62.377,778	12,071	11,600	88	89	5.528	6,328	16,708	2,640	2,169
39	40	96.039	4.774,413	57.210,162	11,983	11,512	89	90	3.929	4,165	10,380	2,492	2,021
40	41	95.807	4.410,099	52.435,749	11,890	11,419	90	91	2.696	2,646	6,215	2,349	1,878
41	42	95.548	4.072,363	48.025,650	11,793	11,322	91	92	1.766	1,605	3,569	2,224	1,753
42	43	95.259	3.759,311	43.953,287	11,692	11,221	92	93	1.105	0,929	1,964	2,113	1,642
43	44	94.926	3.468,658	40.193,976	11,588	11,117	93	94	660	0,514	1,035	2,012	1,541
44	45	94.559	3.199,310	36.725,318	11,479	11,008	94	95	376	0,271	0,521	1,920	1,449
45	46	94.155	2.949,691	33.526,009	11,366	10,895	95	96	203	0,136	0,249	1,836	1,365
46	47	93.697	2.717,901	30.576,318	11,250	10,779	96	97	104	0,065	0,114	1,759	1,288
47	48	93.198	2.503,156	27.858,417	11,129	10,658	97	98	51	0,029	0,049	1,689	1,218
48	49	92.651	2.304,155	25.355,261	11,004	10,533	98	99	23	0,012	0,020	1,625	1,154
49	50	92.051	2.119,653	23.051,106	10,875	10,404	99	100	10	0,005	0,008	1,567	1,096
							100	101	4	0,002	0,003	1,514	1,042

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -2 Jahre

Zinsfuß 8,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	2	99.585	99.584,628	1.323.656,037	13,292	12,821	50	52	91.153	1.943,484	20.770,696	10,687	10,216
1	3	99.111	91.769,161	1.224.071,409	13,339	12,868	51	53	90.427	1.785,191	18.827,213	10,546	10,075
2	4	99.054	84.922,538	1.132.302,248	13,333	12,862	52	54	89.674	1.639,199	17.042,021	10,397	9,926
3	5	99.021	78.605,995	1.047.379,710	13,324	12,853	53	55	88.838	1.503,627	15.402,822	10,244	9,773
4	6	98.990	72.760,539	968.773,715	13,315	12,844	54	56	87.945	1.378,257	13.899,195	10,085	9,614
5	7	98.968	67.355,627	896.013,176	13,303	12,832	55	57	86.998	1.262,410	12.520,938	9,918	9,447
6	8	98.945	62.352,351	828.657,549	13,290	12,819	56	58	85.961	1.154,971	11.258,528	9,748	9,277
7	9	98.924	57.721,388	766.305,198	13,276	12,805	57	59	84.877	1.055,933	10.103,557	9,568	9,097
8	10	98.906	53.435,677	708.583,810	13,261	12,789	58	60	83.715	964,328	9.047,624	9,382	8,911
9	11	98.886	49.467,435	655.148,133	13,244	12,773	59	61	82.461	879,519	8.083,296	9,191	8,720
10	12	98.867	45.794,600	605.680,698	13,226	12,755	60	62	81.135	801,275	7.203,777	8,990	8,519
11	13	98.849	42.394,822	559.886,098	13,206	12,735	61	63	79.716	728,952	6.402,502	8,783	8,312
12	14	98.826	39.244,991	517.491,276	13,186	12,715	62	64	78.223	662,313	5.673,549	8,566	8,095
13	15	98.801	36.328,975	478.246,286	13,164	12,693	63	65	76.605	600,568	5.011,236	8,344	7,873
14	16	98.771	33.627,569	441.917,310	13,142	12,670	64	66	74.882	543,570	4.410,668	8,114	7,643
15	17	98.732	31.124,301	408.289,741	13,118	12,647	65	67	73.032	490,876	3.867,098	7,878	7,407
16	18	98.687	28.805,660	377.165,440	13,093	12,622	66	68	71.024	442,016	3.376,223	7,638	7,167
17	19	98.620	26.654,024	348.359,780	13,070	12,599	67	69	68.868	396,851	2.934,207	7,394	6,923
18	20	98.543	24.660,305	321.705,756	13,045	12,574	68	70	66.533	354,996	2.537,356	7,148	6,677
19	21	98.437	22.809,090	297.045,451	13,023	12,552	69	71	64.037	316,368	2.182,360	6,898	6,427
20	22	98.334	21.097,354	274.236,361	12,999	12,528	70	72	61.377	280,763	1.865,992	6,646	6,175
21	23	98.233	19.514,451	253.139,007	12,972	12,501	71	73	58.551	247,999	1.585,229	6,392	5,921
22	24	98.130	18.050,058	233.624,555	12,943	12,472	72	74	55.552	217,866	1.337,231	6,138	5,667
23	25	98.029	16.695,879	215.574,497	12,912	12,441	73	75	52.376	190,196	1.119,364	5,885	5,414
24	26	97.932	15.443,887	198.878,619	12,877	12,406	74	76	49.040	164,889	929,168	5,635	5,164
25	27	97.834	14.285,519	183.434,731	12,841	12,370	75	77	45.598	141,961	764,279	5,384	4,913
26	28	97.734	13.213,805	169.149,212	12,801	12,330	76	78	42.075	121,289	622,319	5,131	4,660
27	29	97.635	12.222,626	155.935,407	12,758	12,287	77	79	38.495	102,748	501,030	4,876	4,405
28	30	97.537	11.305,842	143.712,781	12,711	12,240	78	80	34.857	86,146	398,282	4,623	4,152
29	31	97.433	10.457,253	132.406,938	12,662	12,191	79	81	31.146	71,273	312,136	4,379	3,908
30	32	97.330	9.672,375	121.949,685	12,608	12,137	80	82	27.451	58,165	240,862	4,141	3,670
31	33	97.224	8.946,178	112.277,310	12,550	12,079	81	83	23.769	46,632	182,697	3,918	3,447
32	34	97.109	8.273,649	103.331,132	12,489	12,018	82	84	20.254	36,793	136,065	3,698	3,227
33	35	96.983	7.650,922	95.057,483	12,424	11,953	83	85	16.878	28,389	99,272	3,497	3,026
34	36	96.849	7.074,349	87.406,561	12,355	11,884	84	86	13.842	21,558	70,883	3,288	2,817
35	37	96.702	6.540,367	80.332,212	12,283	11,811	85	87	11.074	15,970	49,325	3,089	2,618
36	38	96.541	6.045,848	73.791,845	12,205	11,734	86	88	8.634	11,528	33,355	2,893	2,422
37	39	96.365	5.587,777	67.745,997	12,124	11,653	87	89	6.505	8,042	21,827	2,714	2,243
38	40	96.171	5.163,481	62.158,221	12,038	11,567	88	90	4.709	5,390	13,785	2,557	2,086
39	41	95.955	4.770,259	56.994,740	11,948	11,477	89	91	3.287	3,484	8,395	2,409	1,938
40	42	95.713	4.405,740	52.224,481	11,854	11,383	90	92	2.191	2,150	4,910	2,284	1,813
41	43	95.440	4.067,783	47.818,741	11,755	11,284	91	93	1.403	1,275	2,760	2,165	1,694
42	44	95.135	3.754,431	43.750,958	11,653	11,182	92	94	857	0,721	1,485	2,059	1,588
43	45	94.793	3.463,829	39.996,527	11,547	11,076	93	95	500	0,389	0,764	1,963	1,492
44	46	94.409	3.194,236	36.532,698	11,437	10,966	94	96	277	0,200	0,375	1,875	1,404
45	47	93.986	2.944,393	33.338,462	11,323	10,852	95	97	146	0,097	0,175	1,794	1,323
46	48	93.515	2.712,616	30.394,069	11,205	10,734	96	98	73	0,045	0,077	1,721	1,250
47	49	93.000	2.497,849	27.681,453	11,082	10,611	97	99	34	0,020	0,032	1,655	1,183
48	50	92.428	2.298,610	25.183,604	10,956	10,485	98	100	15	0,008	0,013	1,594	1,123
49	51	91.818	2.114,298	22.884,994	10,824	10,353	99	101	6	0,003	0,005	1,538	1,067
							100	102	2	0,001	0,002	1,488	1,017

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -3 Jahre

Zinsfuß 8,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	3	99.565	99.564,939	1.323.192,495	13,290	12,819	50	53	90.877	1.937,608	20.597,158	10,630	10,159
1	4	99.094	91.753,409	1.223.627,556	13,336	12,865	51	54	90.141	1.779,555	18.659,550	10,486	10,014
2	5	99.041	84.911,570	1.131.874,147	13,330	12,859	52	55	89.362	1.633,498	16.879,995	10,334	9,863
3	6	99.008	78.595,720	1.046.962,577	13,321	12,850	53	56	88.502	1.497,933	15.246,498	10,178	9,707
4	7	98.981	72.753,834	968.366,858	13,310	12,839	54	57	87.592	1.372,724	13.748,564	10,016	9,544
5	8	98.959	67.349,761	895.613,024	13,298	12,827	55	58	86.609	1.256,776	12.375,841	9,847	9,376
6	9	98.936	62.346,365	828.263,262	13,285	12,814	56	59	85.547	1.149,409	11.119,065	9,674	9,203
7	10	98.918	57.717,658	765.916,897	13,270	12,799	57	60	84.446	1.050,565	9.969,656	9,490	9,019
8	11	98.897	53.431,183	708.199,239	13,254	12,783	58	61	83.254	959,020	8.919,091	9,300	8,829
9	12	98.876	49.462,796	654.768,055	13,238	12,767	59	62	81.997	874,570	7.960,071	9,102	8,631
10	13	98.859	45.790,710	605.305,259	13,219	12,748	60	63	80.624	796,233	7.085,501	8,899	8,428
11	14	98.840	42.390,714	559.514,548	13,199	12,728	61	64	79.174	723,994	6.289,268	8,687	8,216
12	15	98.814	39.240,418	517.123,834	13,178	12,707	62	65	77.651	657,470	5.565,274	8,465	7,994
13	16	98.783	36.322,484	477.883,416	13,157	12,686	63	66	75.980	595,663	4.907,805	8,239	7,768
14	17	98.750	33.620,448	441.560,932	13,134	12,663	64	67	74.204	538,647	4.312,141	8,006	7,534
15	18	98.710	31.117,453	407.940,484	13,110	12,639	65	68	72.290	485,886	3.773,495	7,766	7,295
16	19	98.658	28.797,376	376.823,031	13,085	12,614	66	69	70.212	436,960	3.287,609	7,524	7,053
17	20	98.593	26.646,635	348.025,655	13,061	12,590	67	70	67.990	391,788	2.850,649	7,276	6,805
18	21	98.512	24.652,516	321.379,020	13,036	12,565	68	71	65.588	349,950	2.458,861	7,026	6,555
19	22	98.413	22.803,509	296.726,504	13,012	12,541	69	72	62.999	311,239	2.108,911	6,776	6,305
20	23	98.307	21.091,643	273.922,995	12,987	12,516	70	73	60.270	275,701	1.797,672	6,520	6,049
21	24	98.207	19.509,360	252.831,352	12,959	12,488	71	74	57.358	242,946	1.521,971	6,265	5,794
22	25	98.103	18.045,154	233.321,993	12,930	12,459	72	75	54.288	212,907	1.279,024	6,007	5,536
23	26	98.005	16.691,770	215.276,838	12,897	12,426	73	76	51.018	185,265	1.066,117	5,755	5,284
24	27	97.905	15.439,564	198.585,068	12,862	12,391	74	77	47.620	160,115	880,852	5,501	5,030
25	28	97.806	14.281,356	183.145,504	12,824	12,353	75	78	44.115	137,342	720,737	5,248	4,777
26	29	97.705	13.209,883	168.864,148	12,783	12,312	76	79	40.516	116,794	583,394	4,995	4,524
27	30	97.607	12.219,048	155.654,265	12,739	12,268	77	80	36.875	98,425	466,601	4,741	4,270
28	31	97.505	11.302,141	143.435,217	12,691	12,220	78	81	33.159	81,950	368,175	4,493	4,022
29	32	97.398	10.453,518	132.133,076	12,640	12,169	79	82	29.410	67,300	286,225	4,253	3,782
30	33	97.295	9.668,936	121.679,558	12,585	12,114	80	83	25.677	54,406	218,925	4,024	3,553
31	34	97.185	8.942,603	112.010,623	12,526	12,054	81	84	22.066	43,291	164,519	3,800	3,329
32	35	97.063	8.269,771	103.068,019	12,463	11,992	82	85	18.626	33,836	121,228	3,583	3,112
33	36	96.934	7.647,005	94.798,249	12,397	11,926	83	86	15.413	25,924	87,392	3,371	2,900
34	37	96.794	7.070,349	87.151,244	12,326	11,855	84	87	12.447	19,385	61,467	3,171	2,700
35	38	96.642	6.536,356	80.080,895	12,252	11,781	85	88	9.769	14,087	42,083	2,987	2,516
36	39	96.474	6.041,619	73.544,539	12,173	11,702	86	89	7.498	10,012	27,995	2,796	2,325
37	40	96.288	5.583,305	67.502,920	12,090	11,619	87	90	5.541	6,850	17,984	2,625	2,154
38	41	96.088	5.158,989	61.919,616	12,002	11,531	88	91	3.939	4,509	11,134	2,469	1,998
39	42	95.860	4.765,544	56.760,627	11,911	11,440	89	92	2.671	2,831	6,625	2,340	1,869
40	43	95.605	4.400,785	51.995,083	11,815	11,344	90	93	1.741	1,709	3,793	2,220	1,749
41	44	95.316	4.062,503	47.594,298	11,716	11,244	91	94	1.089	0,989	2,085	2,107	1,636
42	45	95.003	3.749,205	43.531,795	11,611	11,140	92	95	649	0,546	1,095	2,007	1,535
43	46	94.643	3.458,336	39.782,590	11,503	11,032	93	96	368	0,287	0,549	1,915	1,444
44	47	94.239	3.188,499	36.324,255	11,392	10,921	94	97	199	0,143	0,262	1,831	1,360
45	48	93.804	2.938,667	33.135,756	11,276	10,805	95	98	102	0,068	0,119	1,755	1,284
46	49	93.317	2.706,865	30.197,088	11,156	10,685	96	99	49	0,030	0,051	1,685	1,214
47	50	92.776	2.491,838	27.490,223	11,032	10,561	97	100	22	0,013	0,021	1,621	1,150
48	51	92.195	2.292,802	24.998,386	10,903	10,432	98	101	10	0,005	0,008	1,564	1,093
49	52	91.563	2.108,426	22.705,584	10,769	10,298	99	102	4	0,002	0,003	1,511	1,040
							100	103	1	0,001	0,001	1,463	0,992

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -4 Jahre

Zinsfuß 8,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	4	99.548	99.547,849	1.322.706,699	13,287	12,816	50	54	90.590	1.931,490	20.410,027	10,567	10,096
1	5	99.081	91.741,558	1.223.158,850	13,333	12,862	51	55	89.828	1.773,365	18.478,537	10,420	9,949
2	6	99.028	84.900,470	1.131.417,291	13,326	12,855	52	56	89.024	1.627,312	16.705,172	10,266	9,794
3	7	98.999	78.588,477	1.046.516,821	13,316	12,845	53	57	88.146	1.491,919	15.077,860	10,106	9,635
4	8	98.972	72.747,498	967.928,344	13,305	12,834	54	58	87.201	1.366,597	13.585,941	9,941	9,470
5	9	98.949	67.343,296	895.180,845	13,293	12,822	55	59	86.192	1.250,724	12.219,343	9,770	9,299
6	10	98.929	62.342,337	827.837,549	13,279	12,808	56	60	85.112	1.143,566	10.968,620	9,592	9,121
7	11	98.910	57.712,804	765.495,212	13,264	12,793	57	61	83.981	1.044,782	9.825,054	9,404	8,933
8	12	98.888	53.426,173	707.782,408	13,248	12,777	58	62	82.786	953,623	8.780,272	9,207	8,736
9	13	98.868	49.458,596	654.356,235	13,230	12,759	59	63	81.481	869,066	7.826,649	9,006	8,535
10	14	98.849	45.786,274	604.897,640	13,211	12,740	60	64	80.076	790,817	6.957,582	8,798	8,327
11	15	98.828	42.385,775	559.111,366	13,191	12,720	61	65	78.595	718,700	6.166,765	8,580	8,109
12	16	98.796	39.233,407	516.725,591	13,171	12,700	62	66	77.017	652,100	5.448,066	8,355	7,884
13	17	98.763	36.314,792	477.492,184	13,149	12,678	63	67	75.292	590,268	4.795,966	8,125	7,654
14	18	98.728	33.613,051	441.177,392	13,125	12,654	64	68	73.449	533,171	4.205,697	7,888	7,417
15	19	98.681	31.108,504	407.564,342	13,101	12,630	65	69	71.463	480,329	3.672,526	7,646	7,175
16	20	98.631	28.789,393	376.455,838	13,076	12,605	66	70	69.316	431,385	3.192,197	7,400	6,929
17	21	98.562	26.638,219	347.666,445	13,051	12,580	67	71	67.023	386,219	2.760,812	7,148	6,677
18	22	98.488	24.646,484	321.028,226	13,025	12,554	68	72	64.524	344,277	2.374,593	6,897	6,426
19	23	98.386	22.797,335	296.381,742	13,001	12,530	69	73	61.863	305,628	2.030,316	6,643	6,172
20	24	98.282	21.086,140	273.584,406	12,975	12,504	70	74	59.042	270,084	1.724,689	6,386	5,915
21	25	98.180	19.504,060	252.498,267	12,946	12,475	71	75	56.053	237,416	1.454,604	6,127	5,656
22	26	98.079	18.040,714	232.994,207	12,915	12,444	72	76	52.880	207,387	1.217,188	5,869	5,398
23	27	97.978	16.687,097	214.953,493	12,881	12,410	73	77	49.542	179,902	1.009,801	5,613	5,142
24	28	97.877	15.435,064	198.266,396	12,845	12,374	74	78	46.071	154,906	829,899	5,357	4,886
25	29	97.776	14.277,117	182.831,332	12,806	12,335	75	79	42.480	132,252	674,992	5,104	4,633
26	30	97.676	13.206,017	168.554,215	12,763	12,292	76	80	38.812	111,881	542,740	4,851	4,380
27	31	97.575	12.215,048	155.348,198	12,718	12,247	77	81	35.079	93,631	430,860	4,602	4,131
28	32	97.470	11.298,104	143.133,151	12,669	12,198	78	82	31.311	77,382	337,229	4,358	3,887
29	33	97.364	10.449,801	131.835,047	12,616	12,145	79	83	27.509	62,951	259,847	4,128	3,657
30	34	97.256	9.665,072	121.385,247	12,559	12,088	80	84	23.837	50,508	196,896	3,898	3,427
31	35	97.140	8.938,411	111.720,174	12,499	12,028	81	85	20.293	39,812	146,389	3,677	3,206
32	36	97.013	8.265,537	102.781,763	12,435	11,964	82	86	17.009	30,898	106,577	3,449	2,978
33	37	96.879	7.642,681	94.516,226	12,367	11,896	83	87	13.859	23,311	75,678	3,246	2,775
34	38	96.735	7.066,013	86.873,546	12,295	11,824	84	88	10.980	17,100	52,368	3,062	2,591
35	39	96.575	6.531,784	79.807,533	12,218	11,747	85	89	8.484	12,234	35,268	2,883	2,412
36	40	96.396	6.036,784	73.275,749	12,138	11,667	86	90	6.387	8,528	23,033	2,701	2,230
37	41	96.204	5.578,447	67.238,965	12,053	11,582	87	91	4.635	5,730	14,506	2,531	2,060
38	42	95.993	5.153,889	61.660,518	11,964	11,493	88	92	3.201	3,664	8,775	2,395	1,924
39	43	95.753	4.760,184	56.506,628	11,871	11,400	89	93	2.122	2,250	5,111	2,272	1,801
40	44	95.481	4.395,072	51.746,444	11,774	11,303	90	94	1.351	1,326	2,862	2,158	1,687
41	45	95.184	4.056,848	47.351,372	11,672	11,201	91	95	824	0,749	1,536	2,051	1,580
42	46	94.852	3.743,259	43.294,524	11,566	11,095	92	96	478	0,402	0,787	1,955	1,484
43	47	94.473	3.452,125	39.551,265	11,457	10,986	93	97	264	0,206	0,384	1,868	1,397
44	48	94.056	3.182,298	36.099,141	11,344	10,873	94	98	138	0,100	0,179	1,789	1,317
45	49	93.605	2.932,438	32.916,842	11,225	10,754	95	99	69	0,046	0,079	1,716	1,245
46	50	93.092	2.700,350	29.984,405	11,104	10,633	96	100	32	0,020	0,033	1,650	1,179
47	51	92.542	2.485,542	27.284,054	10,977	10,506	97	101	14	0,008	0,013	1,589	1,118
48	52	91.939	2.286,434	24.798,513	10,846	10,375	98	102	6	0,003	0,005	1,534	1,063
49	53	91.287	2.102,052	22.512,078	10,710	10,239	99	103	2	0,001	0,002	1,484	1,013
							100	104	1	0,000	0,001	1,439	0,968

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -5 Jahre

Zinsfuß 8,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	5	99.535	99.534,992	1.322.193,776	13,284	12,813	50	55	90.275	1.924,772	20.208,198	10,499	10,028
1	6	99.068	91.729,566	1.222.658,784	13,329	12,858	51	56	89.487	1.766,649	18.283,426	10,349	9,878
2	7	99.019	84.892,647	1.130.929,219	13,322	12,851	52	57	88.666	1.620,779	16.516,777	10,191	9,720
3	8	98.990	78.581,633	1.046.036,571	13,311	12,840	53	58	87.753	1.485,261	14.895,998	10,029	9,558
4	9	98.963	72.740,515	967.454,938	13,300	12,829	54	59	86.781	1.360,016	13.410,737	9,861	9,390
5	10	98.943	67.338,945	894.714,423	13,287	12,816	55	60	85.754	1.244,365	12.050,721	9,684	9,213
6	11	98.921	62.337,094	827.375,479	13,273	12,802	56	61	84.644	1.137,271	10.806,356	9,502	9,031
7	12	98.900	57.707,392	765.038,384	13,257	12,786	57	62	83.508	1.038,903	9.669,085	9,307	8,836
8	13	98.880	53.421,635	707.330,992	13,241	12,769	58	63	82.265	947,622	8.630,182	9,107	8,636
9	14	98.858	49.453,804	653.909,357	13,223	12,752	59	64	80.926	863,155	7.682,559	8,901	8,430
10	15	98.838	45.780,939	604.455,553	13,203	12,732	60	65	79.490	785,034	6.819,404	8,687	8,216
11	16	98.811	42.378,202	558.674,615	13,183	12,712	61	66	77.953	712,830	6.034,371	8,465	7,994
12	17	98.775	39.225,098	516.296,413	13,162	12,691	62	67	76.320	646,194	5.321,541	8,235	7,764
13	18	98.741	36.306,802	477.071,315	13,140	12,669	63	68	74.526	584,268	4.675,347	8,002	7,531
14	19	98.700	33.603,384	440.764,513	13,117	12,646	64	69	72.609	527,073	4.091,079	7,762	7,291
15	20	98.654	31.099,881	407.161,129	13,092	12,621	65	70	70.552	474,201	3.564,005	7,516	7,045
16	21	98.600	28.780,300	376.061,248	13,067	12,596	66	71	68.331	425,254	3.089,805	7,266	6,795
17	22	98.538	26.631,701	347.280,949	13,040	12,569	67	72	65.937	379,958	2.664,551	7,013	6,542
18	23	98.461	24.639,811	320.649,247	13,013	12,542	68	73	63.361	338,070	2.284,593	6,758	6,287
19	24	98.361	22.791,387	296.009,436	12,988	12,517	69	74	60.603	299,401	1.946,524	6,501	6,030
20	25	98.255	21.080,411	273.218,049	12,961	12,490	70	75	57.698	263,937	1.647,122	6,241	5,770
21	26	98.156	19.499,260	252.137,638	12,931	12,460	71	76	54.600	231,261	1.383,186	5,981	5,510
22	27	98.052	18.035,663	232.638,378	12,899	12,428	72	77	51.349	201,384	1.151,925	5,720	5,249
23	28	97.949	16.682,234	214.602,714	12,864	12,393	73	78	47.930	174,049	950,541	5,461	4,990
24	29	97.847	15.430,483	197.920,480	12,827	12,356	74	79	44.363	149,165	776,492	5,206	4,735
25	30	97.748	14.272,938	182.489,998	12,786	12,315	75	80	40.693	126,689	627,327	4,952	4,481
26	31	97.644	13.201,693	168.217,060	12,742	12,271	76	81	36.921	106,431	500,638	4,704	4,233
27	32	97.540	12.210,684	155.015,367	12,695	12,224	77	82	33.124	88,411	394,207	4,459	3,988
28	33	97.435	11.294,086	142.804,683	12,644	12,173	78	83	29.287	72,381	305,796	4,225	3,754
29	34	97.325	10.445,625	131.510,596	12,590	12,119	79	84	25.538	58,440	233,415	3,994	3,523
30	35	97.211	9.660,541	121.064,971	12,532	12,061	80	85	21.922	46,449	174,975	3,767	3,296
31	36	97.090	8.933,835	111.404,430	12,470	11,999	81	86	18.531	36,355	128,526	3,535	3,064
32	37	96.958	8.260,863	102.470,595	12,404	11,933	82	87	15.294	27,783	92,171	3,317	2,846
33	38	96.820	7.637,994	94.209,732	12,334	11,863	83	88	12.225	20,563	64,388	3,131	2,660
34	39	96.667	7.061,070	86.571,738	12,260	11,789	84	89	9.535	14,851	43,825	2,951	2,480
35	40	96.497	6.526,557	79.510,668	12,183	11,712	85	90	7.226	10,421	28,974	2,780	2,309
36	41	96.313	6.031,532	72.984,111	12,100	11,629	86	91	5.343	7,134	18,553	2,601	2,130
37	42	96.109	5.572,933	66.952,579	12,014	11,543	87	92	3.766	4,656	11,419	2,452	1,981
38	43	95.885	5.148,093	61.379,646	11,923	11,452	88	93	2.543	2,912	6,763	2,323	1,852
39	44	95.628	4.754,005	56.231,553	11,828	11,357	89	94	1.647	1,746	3,851	2,206	1,735
40	45	95.348	4.388,954	51.477,548	11,729	11,258	90	95	1.022	1,003	2,106	2,098	1,627
41	46	95.033	4.050,414	47.088,594	11,626	11,155	91	96	608	0,552	1,102	1,996	1,525
42	47	94.682	3.736,536	43.038,180	11,518	11,047	92	97	343	0,289	0,550	1,906	1,435
43	48	94.289	3.445,411	39.301,644	11,407	10,936	93	98	184	0,143	0,261	1,823	1,352
44	49	93.857	3.175,552	35.856,233	11,291	10,820	94	99	94	0,068	0,118	1,747	1,276
45	50	93.379	2.925,380	32.680,681	11,171	10,700	95	100	45	0,030	0,050	1,679	1,208
46	51	92.857	2.693,528	29.755,301	11,047	10,576	96	101	20	0,013	0,020	1,616	1,145
47	52	92.285	2.478,639	27.061,773	10,918	10,447	97	102	9	0,005	0,008	1,559	1,087
48	53	91.661	2.279,522	24.583,134	10,784	10,313	98	103	3	0,002	0,003	1,506	1,035
49	54	90.998	2.095,414	22.303,612	10,644	10,173	99	104	1	0,001	0,001	1,459	0,988
							100	105	0	0,000	0,000	1,415	0,944

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -6 Jahre

Zinsfuß 8,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	6	99.522	99.521,980	1.321.646,694	13,280	12,809	50	56	89.933	1.917,483	19.990,878	10,426	9,955
1	7	99.059	91.721,113	1.222.124,714	13,324	12,853	51	57	89.128	1.759,557	18.073,395	10,272	9,801
2	8	99.010	84.885,254	1.130.403,601	13,317	12,846	52	58	88.271	1.613,545	16.313,838	10,111	9,640
3	9	98.981	78.574,090	1.045.518,347	13,306	12,835	53	59	87.330	1.478,108	14.700,293	9,945	9,474
4	10	98.956	72.735,815	966.944,257	13,294	12,823	54	60	86.340	1.353,102	13.222,185	9,772	9,301
5	11	98.935	67.333,282	894.208,442	13,280	12,809	55	61	85.282	1.237,516	11.869,082	9,591	9,120
6	12	98.912	62.331,248	826.875,160	13,266	12,795	56	62	84.167	1.130,871	10.631,566	9,401	8,930
7	13	98.892	57.702,491	764.543,912	13,250	12,779	57	63	82.983	1.032,365	9.500,695	9,203	8,732
8	14	98.870	53.416,459	706.841,421	13,233	12,762	58	64	81.705	941,177	8.468,330	8,998	8,527
9	15	98.847	49.448,041	653.424,961	13,214	12,743	59	65	80.335	856,843	7.527,153	8,785	8,314
10	16	98.820	45.772,759	603.976,920	13,195	12,724	60	66	78.841	778,622	6.670,310	8,567	8,096
11	17	98.790	42.369,227	558.204,162	13,175	12,704	61	67	77.247	706,374	5.891,688	8,341	7,870
12	18	98.754	39.216,468	515.834,935	13,154	12,682	62	68	75.544	639,625	5.185,314	8,107	7,636
13	19	98.712	36.296,361	476.618,467	13,131	12,660	63	69	73.674	577,586	4.545,689	7,870	7,399
14	20	98.672	33.594,069	440.322,106	13,107	12,636	64	70	71.683	520,349	3.968,103	7,626	7,155
15	21	98.623	31.090,057	406.728,037	13,082	12,611	65	71	69.549	467,461	3.447,754	7,375	6,904
16	22	98.576	28.773,258	375.637,980	13,055	12,584	66	72	67.223	418,359	2.980,294	7,124	6,653
17	23	98.511	26.624,491	346.864,722	13,028	12,557	67	73	64.748	373,107	2.561,934	6,866	6,395
18	24	98.435	24.633,383	320.240,231	13,000	12,529	68	74	62.070	331,182	2.188,827	6,609	6,138
19	25	98.334	22.785,195	295.606,848	12,974	12,503	69	75	59.223	292,586	1.857,645	6,349	5,878
20	26	98.231	21.075,224	272.821,653	12,945	12,474	70	76	56.202	257,094	1.565,058	6,088	5,616
21	27	98.129	19.493,801	251.746,429	12,914	12,443	71	77	53.019	224,566	1.307,965	5,824	5,353
22	28	98.023	18.030,407	232.252,628	12,881	12,410	72	78	49.679	194,832	1.083,399	5,561	5,090
23	29	97.920	16.677,283	214.222,221	12,845	12,374	73	79	46.153	167,599	888,566	5,302	4,831
24	30	97.819	15.425,966	197.544,938	12,806	12,335	74	80	42.497	142,890	720,968	5,046	4,575
25	31	97.716	14.268,265	182.118,972	12,764	12,293	75	81	38.711	120,517	578,077	4,797	4,326
26	32	97.610	13.196,977	167.850,707	12,719	12,248	76	82	34.863	100,498	457,560	4,553	4,082
27	33	97.505	12.206,342	154.653,730	12,670	12,199	77	83	30.983	82,698	357,062	4,318	3,847
28	34	97.396	11.289,573	142.447,388	12,618	12,147	78	84	27.188	67,194	274,365	4,083	3,612
29	35	97.279	10.440,728	131.157,815	12,562	12,091	79	85	23.486	53,744	207,170	3,855	3,384
30	36	97.161	9.655,595	120.717,087	12,502	12,031	80	86	20.018	42,416	153,427	3,617	3,146
31	37	97.035	8.928,783	111.061,491	12,439	11,968	81	87	16.663	32,690	111,011	3,396	2,925
32	38	96.899	8.255,797	102.132,708	12,371	11,900	82	88	13.492	24,508	78,321	3,196	2,725
33	39	96.752	7.632,651	93.876,911	12,299	11,828	83	89	10.617	17,858	53,812	3,013	2,542
34	40	96.590	7.055,420	86.244,260	12,224	11,753	84	90	8.122	12,649	35,954	2,842	2,371
35	41	96.413	6.520,879	79.188,840	12,144	11,673	85	91	6.045	8,717	23,304	2,673	2,202
36	42	96.217	6.025,570	72.667,962	12,060	11,589	86	92	4.341	5,797	14,587	2,516	2,045
37	43	96.001	5.566,666	66.642,392	11,972	11,501	87	93	2.993	3,700	8,790	2,376	1,905
38	44	95.760	5.141,410	61.075,726	11,879	11,408	88	94	1.974	2,259	5,090	2,253	1,782
39	45	95.495	4.747,388	55.934,316	11,782	11,311	89	95	1.247	1,321	2,831	2,142	1,671
40	46	95.197	4.381,993	51.186,928	11,681	11,210	90	96	754	0,740	1,509	2,040	1,569
41	47	94.862	4.043,139	46.804,935	11,576	11,105	91	97	436	0,396	0,770	1,944	1,473
42	48	94.498	3.729,269	42.761,795	11,467	10,995	92	98	239	0,201	0,374	1,858	1,387
43	49	94.089	3.438,107	39.032,526	11,353	10,882	93	99	124	0,097	0,172	1,779	1,308
44	50	93.631	3.167,909	35.594,418	11,236	10,765	94	100	61	0,044	0,076	1,708	1,237
45	51	93.144	2.917,989	32.426,509	11,113	10,642	95	101	29	0,019	0,031	1,643	1,171
46	52	92.599	2.686,047	29.508,520	10,986	10,515	96	102	13	0,008	0,012	1,583	1,112
47	53	92.006	2.471,145	26.822,473	10,854	10,383	97	103	5	0,003	0,005	1,529	1,058
48	54	91.371	2.272,324	24.351,328	10,716	10,245	98	104	2	0,001	0,002	1,479	1,008
49	55	90.682	2.088,126	22.079,004	10,574	10,103	99	105	1	0,000	0,001	1,434	0,963
							100	106					

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -7 Jahre

Zinsfuß 8,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	7	99.513	99.512,810	1.321.062,626	13,275	12,804	50	57	89.572	1.909,785	19.757,193	10,345	9,874
1	8	99.050	91.713,125	1.221.549,816	13,319	12,848	51	58	88.730	1.751,704	17.847,408	10,189	9,718
2	9	99.001	84.877,106	1.129.836,691	13,311	12,840	52	59	87.846	1.605,775	16.095,704	10,024	9,553
3	10	98.974	78.569,013	1.044.959,585	13,300	12,829	53	60	86.886	1.470,594	14.489,930	9,853	9,382
4	11	98.948	72.729,698	966.390,572	13,287	12,816	54	61	85.865	1.345,654	13.019,336	9,675	9,204
5	12	98.925	67.326,968	893.660,874	13,273	12,802	55	62	84.802	1.230,552	11.673,681	9,487	9,015
6	13	98.903	62.325,955	826.333,906	13,258	12,787	56	63	83.638	1.123,755	10.443,129	9,293	8,822
7	14	98.882	57.696,900	764.007,952	13,242	12,771	57	64	82.418	1.025,343	9.319,374	9,089	8,618
8	15	98.859	53.410,235	706.311,052	13,224	12,753	58	65	81.108	934,294	8.294,031	8,877	8,406
9	16	98.829	49.439,206	652.900,817	13,206	12,735	59	66	79.679	849,845	7.359,737	8,660	8,189
10	17	98.799	45.763,065	603.461,610	13,187	12,716	60	67	78.127	771,570	6.509,892	8,437	7,966
11	18	98.768	42.359,905	557.698,545	13,166	12,695	61	68	76.462	699,194	5.738,322	8,207	7,736
12	19	98.725	39.205,189	515.338,640	13,145	12,674	62	69	74.680	632,310	5.039,128	7,969	7,498
13	20	98.685	36.286,299	476.133,451	13,122	12,651	63	70	72.734	570,217	4.406,818	7,728	7,257
14	21	98.641	33.583,458	439.847,152	13,097	12,626	64	71	70.664	512,953	3.836,601	7,479	7,008
15	22	98.599	31.082,451	406.263,694	13,071	12,599	65	72	68.421	459,882	3.323,649	7,227	6,756
16	23	98.549	28.765,468	375.181,243	13,043	12,572	66	73	66.011	410,817	2.863,767	6,971	6,500
17	24	98.485	26.617,545	346.415,775	13,015	12,544	67	74	63.429	365,506	2.452,950	6,711	6,240
18	25	98.409	24.626,690	319.798,231	12,986	12,515	68	75	60.657	323,644	2.087,444	6,450	5,979
19	26	98.310	22.779,589	295.171,540	12,958	12,487	69	76	57.688	285,000	1.763,800	6,189	5,718
20	27	98.203	21.069,324	272.391,952	12,928	12,457	70	77	54.575	249,651	1.478,799	5,923	5,452
21	28	98.100	19.488,120	251.322,628	12,896	12,425	71	78	51.294	217,261	1.229,148	5,657	5,186
22	29	97.994	18.025,055	231.834,508	12,862	12,391	72	79	47.838	187,611	1.011,888	5,394	4,922
23	30	97.891	16.672,401	213.809,453	12,824	12,353	73	80	44.212	160,548	824,276	5,134	4,663
24	31	97.787	15.420,915	197.137,052	12,784	12,313	74	81	40.427	135,930	663,728	4,883	4,412
25	32	97.681	14.263,168	181.716,137	12,740	12,269	75	82	36.553	113,799	527,799	4,638	4,167
26	33	97.575	13.192,284	167.452,968	12,693	12,222	76	83	32.610	94,003	413,999	4,404	3,933
27	34	97.466	12.201,465	154.260,684	12,643	12,172	77	84	28.763	76,772	319,996	4,168	3,697
28	35	97.351	11.284,281	142.059,219	12,589	12,118	78	85	25.004	61,794	243,224	3,936	3,465
29	36	97.229	10.435,383	130.774,938	12,532	12,061	79	86	21.447	49,077	181,430	3,697	3,226
30	37	97.106	9.650,136	120.339,556	12,470	11,999	80	87	18.000	38,140	132,353	3,470	2,999
31	38	96.976	8.923,308	110.689,420	12,405	11,933	81	88	14.698	28,837	94,213	3,267	2,796
32	39	96.831	8.250,022	101.766,112	12,335	11,864	82	89	11.717	21,285	65,376	3,071	2,600
33	40	96.674	7.626,543	93.516,090	12,262	11,791	83	90	9.044	15,211	44,091	2,899	2,428
34	41	96.506	7.049,282	85.889,547	12,184	11,713	84	91	6.794	10,582	28,880	2,729	2,258
35	42	96.318	6.514,433	78.840,265	12,102	11,631	85	92	4.912	7,084	18,298	2,583	2,112
36	43	96.109	6.018,793	72.325,833	12,017	11,546	86	93	3.450	4,606	11,214	2,435	1,964
37	44	95.876	5.559,440	66.307,040	11,927	11,456	87	94	2.322	2,871	6,608	2,301	1,830
38	45	95.627	5.134,254	60.747,600	11,832	11,361	88	95	1.494	1,710	3,737	2,185	1,714
39	46	95.344	4.739,858	55.613,346	11,733	11,262	89	96	919	0,974	2,027	2,081	1,610
40	47	95.026	4.374,123	50.873,488	11,631	11,160	90	97	541	0,531	1,053	1,984	1,513
41	48	94.678	4.035,277	46.499,364	11,523	11,052	91	98	304	0,276	0,522	1,893	1,422
42	49	94.297	3.721,364	42.464,088	11,411	10,940	92	99	162	0,136	0,246	1,811	1,340
43	50	93.863	3.429,833	38.742,724	11,296	10,825	93	100	82	0,064	0,110	1,737	1,266
44	51	93.394	3.159,905	35.312,891	11,175	10,704	94	101	39	0,028	0,047	1,670	1,199
45	52	92.885	2.909,885	32.152,986	11,050	10,579	95	102	17	0,012	0,019	1,608	1,137
46	53	92.319	2.677,927	29.243,101	10,920	10,449	96	103	7	0,005	0,007	1,551	1,080
47	54	91.715	2.463,343	26.565,174	10,784	10,313	97	104	3	0,002	0,003	1,500	1,029
48	55	91.054	2.264,420	24.101,832	10,644	10,173	98	105	1	0,001	0,001	1,453	0,982
49	56	90.339	2.080,218	21.837,411	10,498	10,027	99	106					
							100	107					

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -8 Jahre

Zinsfuß 8,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	8	99.504	99.504,143	1.320.434,200	13,270	12,799	50	58	89.172	1.901,261	19.506,042	10,260	9,788
1	9	99.041	91.704,322	1.220.930,056	13,314	12,843	51	59	88.303	1.743,268	17.604,780	10,099	9,628
2	10	98.994	84.871,621	1.129.225,735	13,305	12,834	52	60	87.399	1.597,611	15.861,512	9,928	9,457
3	11	98.966	78.562,406	1.044.354,114	13,293	12,822	53	61	86.408	1.462,499	14.263,901	9,753	9,282
4	12	98.939	72.722,878	965.791,708	13,280	12,809	54	62	85.382	1.338,082	12.801,401	9,567	9,096
5	13	98.917	67.321,250	893.068,830	13,266	12,795	55	63	84.268	1.222,808	11.463,319	9,375	8,904
6	14	98.894	62.319,916	825.747,581	13,250	12,779	56	64	83.069	1.116,111	10.240,511	9,175	8,704
7	15	98.871	57.690,177	763.427,665	13,233	12,762	57	65	81.816	1.017,845	9.124,400	8,964	8,493
8	16	98.841	53.400,692	705.737,488	13,216	12,745	58	66	80.445	926,663	8.106,555	8,748	8,277
9	17	98.808	49.428,736	652.336,795	13,198	12,726	59	67	78.957	842,148	7.179,891	8,526	8,055
10	18	98.777	45.752,997	602.908,059	13,177	12,706	60	68	77.333	763,727	6.337,743	8,298	7,827
11	19	98.740	42.347,723	557.155,063	13,157	12,686	61	69	75.588	691,197	5.574,016	8,064	7,593
12	20	98.698	39.194,322	514.807,340	13,135	12,664	62	70	73.727	624,243	4.882,819	7,822	7,351
13	21	98.654	36.274,838	475.613,019	13,111	12,640	63	71	71.700	562,112	4.258,577	7,576	7,105
14	22	98.617	33.575,241	439.338,181	13,085	12,614	64	72	69.518	504,637	3.696,465	7,325	6,854
15	23	98.572	31.074,035	405.762,940	13,058	12,587	65	73	67.188	451,591	3.191,828	7,068	6,597
16	24	98.523	28.757,963	374.688,904	13,029	12,558	66	74	64.666	402,447	2.740,237	6,809	6,338
17	25	98.459	26.610,313	345.930,942	13,000	12,529	67	75	61.985	357,187	2.337,790	6,545	6,074
18	26	98.385	24.620,630	319.320,628	12,970	12,499	68	76	59.085	315,253	1.980,603	6,283	5,812
19	27	98.282	22.773,211	294.699,998	12,941	12,470	69	77	56.018	276,750	1.665,351	6,018	5,546
20	28	98.175	21.063,183	271.926,787	12,910	12,439	70	78	52.800	241,529	1.388,600	5,749	5,278
21	29	98.071	19.482,336	250.863,604	12,876	12,405	71	79	49.393	209,208	1.147,071	5,483	5,012
22	30	97.965	18.019,779	231.381,268	12,840	12,369	72	80	45.825	179,719	937,863	5,218	4,747
23	31	97.859	16.666,942	213.361,489	12,801	12,330	73	81	42.058	152,727	758,144	4,964	4,493
24	32	97.752	15.415,407	196.694,546	12,760	12,289	74	82	38.173	128,352	605,416	4,717	4,246
25	33	97.646	14.258,096	181.279,140	12,714	12,243	75	83	34.191	106,445	477,064	4,482	4,011
26	34	97.536	13.187,013	167.021,043	12,666	12,195	76	84	30.273	87,267	370,619	4,247	3,776
27	35	97.420	12.195,745	153.834,030	12,614	12,143	77	85	26.451	70,602	283,352	4,013	3,542
28	36	97.301	11.278,503	141.638,285	12,558	12,087	78	86	22.833	56,429	212,749	3,770	3,299
29	37	97.174	10.429,482	130.359,782	12,499	12,028	79	87	19.284	44,130	156,320	3,542	3,071
30	38	97.046	9.644,218	119.930,300	12,435	11,964	80	88	15.878	33,644	112,191	3,335	2,864
31	39	96.908	8.917,066	110.286,082	12,368	11,897	81	89	12.765	25,044	78,547	3,136	2,665
32	40	96.754	8.243,420	101.369,016	12,297	11,826	82	90	9.980	18,130	53,503	2,951	2,480
33	41	96.590	7.619,908	93.125,596	12,221	11,750	83	91	7.565	12,725	35,373	2,780	2,309
34	42	96.410	7.042,313	85.505,688	12,142	11,671	84	92	5.521	8,599	22,648	2,634	2,163
35	43	96.210	6.507,106	78.463,374	12,058	11,587	85	93	3.903	5,629	14,049	2,496	2,025
36	44	95.984	6.010,981	71.956,268	11,971	11,500	86	94	2.677	3,575	8,420	2,356	1,885
37	45	95.743	5.551,701	65.945,288	11,878	11,407	87	95	1.758	2,173	4,846	2,230	1,759
38	46	95.475	5.126,111	60.393,587	11,782	11,311	88	96	1.101	1,261	2,673	2,120	1,649
39	47	95.172	4.731,346	55.267,476	11,681	11,210	89	97	659	0,699	1,412	2,021	1,550
40	48	94.841	4.365,617	50.536,130	11,576	11,105	90	98	377	0,370	0,714	1,930	1,459
41	49	94.477	4.026,722	46.170,513	11,466	10,995	91	99	205	0,186	0,344	1,844	1,373
42	50	94.070	3.712,407	42.143,791	11,352	10,881	92	100	106	0,089	0,157	1,767	1,296
43	51	93.626	3.421,167	38.431,384	11,233	10,762	93	101	52	0,040	0,068	1,697	1,226
44	52	93.135	3.151,130	35.010,217	11,110	10,639	94	102	24	0,017	0,028	1,633	1,162
45	53	92.604	2.901,088	31.859,087	10,982	10,511	95	103	10	0,007	0,011	1,574	1,103
46	54	92.028	2.669,471	28.957,999	10,848	10,377	96	104	4	0,003	0,004	1,521	1,050
47	55	91.396	2.454,775	26.288,529	10,709	10,238	97	105	2	0,001	0,001	1,472	1,001
48	56	90.709	2.255,845	23.833,754	10,565	10,094	98	106					
49	57	89.976	2.071,867	21.577,909	10,415	9,944	99	107					
							100	108					

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -9 Jahre

Zinsfuß 8,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	9	99.495	99.494,592	1.319.757,071	13,265	12,794	50	59	88.743	1.892,106	19.236,704	10,167	9,696
1	10	99.034	91.698,396	1.220.262,479	13,307	12,836	51	60	87.854	1.734,406	17.344,599	10,000	9,529
2	11	98.986	84.864,484	1.128.564,083	13,298	12,827	52	61	86.918	1.588,818	15.610,193	9,825	9,354
3	12	98.957	78.555,038	1.043.699,599	13,286	12,815	53	62	85.922	1.454,269	14.021,375	9,642	9,170
4	13	98.930	72.716,701	965.144,561	13,273	12,802	54	63	84.845	1.329,662	12.567,106	9,451	8,980
5	14	98.907	67.314,727	892.427,860	13,258	12,786	55	64	83.695	1.214,491	11.237,444	9,253	8,782
6	15	98.882	62.312,654	825.113,133	13,242	12,770	56	65	82.461	1.107,949	10.022,953	9,046	8,575
7	16	98.853	57.679,870	762.800,479	13,225	12,754	57	66	81.147	1.009,532	8.915,004	8,831	8,360
8	17	98.820	53.389,383	705.120,609	13,207	12,736	58	67	79.717	918,271	7.905,472	8,609	8,138
9	18	98.787	49.417,861	651.731,226	13,188	12,717	59	68	78.154	833,588	6.987,201	8,382	7,911
10	19	98.749	45.739,838	602.313,365	13,168	12,697	60	69	76.448	754,992	6.153,613	8,151	7,680
11	20	98.712	42.335,984	556.573,526	13,147	12,676	61	70	74.623	682,378	5.398,621	7,911	7,440
12	21	98.667	39.181,942	514.237,543	13,124	12,653	62	71	72.679	615,370	4.716,243	7,664	7,193
13	22	98.630	36.265,962	475.055,601	13,099	12,628	63	72	70.538	552,999	4.100,873	7,416	6,945
14	23	98.590	33.566,151	438.789,639	13,072	12,601	64	73	68.265	495,538	3.547,874	7,160	6,689
15	24	98.546	31.065,928	405.223,488	13,044	12,573	65	74	65.819	442,391	3.052,336	6,900	6,429
16	25	98.496	28.750,150	374.157,560	13,014	12,543	66	75	63.194	393,287	2.609,945	6,636	6,165
17	26	98.434	26.603,765	345.407,410	12,983	12,512	67	76	60.378	347,926	2.216,658	6,371	5,900
18	27	98.357	24.613,738	318.803,645	12,952	12,481	68	77	57.374	306,127	1.868,732	6,104	5,633
19	28	98.254	22.766,574	294.189,907	12,922	12,451	69	78	54.195	267,747	1.562,605	5,836	5,365
20	29	98.145	21.056,931	271.423,333	12,890	12,419	70	79	50.843	232,578	1.294,859	5,567	5,096
21	30	98.042	19.476,633	250.366,401	12,855	12,384	71	80	47.315	200,408	1.062,281	5,301	4,830
22	31	97.933	18.013,879	230.889,768	12,817	12,346	72	81	43.593	170,964	861,873	5,041	4,570
23	32	97.824	16.660,989	212.875,889	12,777	12,306	73	82	39.714	144,214	690,909	4,791	4,320
24	33	97.717	15.409,925	196.214,901	12,733	12,262	74	83	35.707	120,058	546,695	4,554	4,083
25	34	97.607	14.252,399	180.804,975	12,686	12,215	75	84	31.741	98,817	426,638	4,317	3,846
26	35	97.490	13.180,831	166.552,576	12,636	12,165	76	85	27.840	80,254	327,820	4,085	3,614
27	36	97.370	12.189,501	153.371,745	12,582	12,111	77	86	24.155	64,472	247,566	3,840	3,369
28	37	97.246	11.272,126	141.182,244	12,525	12,054	78	87	20.531	50,740	183,094	3,608	3,137
29	38	97.115	10.423,086	129.910,118	12,464	11,993	79	88	17.011	38,928	132,354	3,400	2,929
30	39	96.979	9.637,472	119.487,032	12,398	11,927	80	89	13.790	29,219	93,426	3,197	2,726
31	40	96.830	8.909,930	109.849,560	12,329	11,858	81	90	10.873	21,332	64,207	3,010	2,539
32	41	96.670	8.236,249	100.939,630	12,256	11,784	82	91	8.349	15,166	42,875	2,827	2,356
33	42	96.495	7.612,376	92.703,382	12,178	11,707	83	92	6.148	10,340	27,709	2,680	2,209
34	43	96.302	7.034,393	85.091,006	12,096	11,625	84	93	4.387	6,833	17,368	2,542	2,071
35	44	96.085	6.498,660	78.056,613	12,011	11,540	85	94	3.029	4,368	10,536	2,412	1,941
36	45	95.851	6.002,613	71.557,953	11,921	11,450	86	95	2.026	2,705	6,168	2,280	1,809
37	46	95.591	5.542,896	65.555,340	11,827	11,356	87	96	1.296	1,602	3,462	2,161	1,690
38	47	95.304	5.116,904	60.012,444	11,728	11,257	88	97	790	0,904	1,860	2,058	1,587
39	48	94.987	4.722,145	54.895,539	11,625	11,154	89	98	459	0,487	0,956	1,964	1,493
40	49	94.640	4.356,363	50.173,394	11,517	11,046	90	99	255	0,250	0,469	1,878	1,407
41	50	94.250	4.017,031	45.817,032	11,406	10,935	91	100	134	0,122	0,220	1,797	1,326
42	51	93.833	3.703,028	41.800,001	11,288	10,817	92	101	67	0,056	0,097	1,724	1,253
43	52	93.366	3.411,666	38.096,973	11,167	10,696	93	102	32	0,025	0,041	1,658	1,187
44	53	92.853	3.141,603	34.685,308	11,041	10,570	94	103	14	0,010	0,016	1,598	1,127
45	54	92.312	2.891,927	31.543,705	10,908	10,436	95	104	6	0,004	0,006	1,542	1,071
46	55	91.707	2.660,186	28.651,778	10,771	10,300	96	105	2	0,001	0,002	1,492	1,021
47	56	91.050	2.445,479	25.991,592	10,628	10,157	97	106					
48	57	90.345	2.246,789	23.546,113	10,480	10,009	98	107					
49	58	89.574	2.062,620	21.299,324	10,326	9,855	99	108					
							100	109					

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -10 Jahre

Zinsfuß 8,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	10	99.488	99.488,163	1.319.028,081	13,258	12,787	50	60	88.292	1.882,487	18.948,215	10,066	9,594
1	11	99.026	91.690,685	1.219.539,918	13,301	12,830	51	61	87.371	1.724,859	17.065,728	9,894	9,423
2	12	98.977	84.856,526	1.127.849,233	13,291	12,820	52	62	86.429	1.579,877	15.340,869	9,710	9,239
3	13	98.948	78.548,367	1.042.992,708	13,278	12,807	53	63	85.381	1.445,118	13.760,992	9,522	9,051
4	14	98.921	72.709,656	964.444,341	13,264	12,793	54	64	84.267	1.320,617	12.315,874	9,326	8,855
5	15	98.896	67.306,883	891.734,685	13,249	12,778	55	65	83.083	1.205,610	10.995,257	9,120	8,649
6	16	98.865	62.301,521	824.427,802	13,233	12,762	56	66	81.788	1.098,900	9.789,647	8,909	8,438
7	17	98.832	57.667,655	762.126,281	13,216	12,745	57	67	80.412	1.000,389	8.690,747	8,687	8,216
8	18	98.798	53.377,637	704.458,627	13,198	12,727	58	68	78.906	908,937	7.690,358	8,461	7,990
9	19	98.758	49.403,649	651.080,990	13,179	12,708	59	69	77.260	824,053	6.781,421	8,229	7,758
10	20	98.722	45.727,159	601.677,341	13,158	12,687	60	70	75.473	745,360	5.957,368	7,993	7,522
11	21	98.681	42.322,611	555.950,182	13,136	12,665	61	71	73.563	672,679	5.212,008	7,748	7,277
12	22	98.643	39.172,355	513.627,571	13,112	12,641	62	72	71.501	605,393	4.539,329	7,498	7,027
13	23	98.603	36.256,144	474.455,216	13,086	12,615	63	73	69.266	543,029	3.933,935	7,244	6,773
14	24	98.565	33.557,393	438.199,072	13,058	12,587	64	74	66.874	485,443	3.390,906	6,985	6,514
15	25	98.520	31.057,488	404.641,679	13,029	12,558	65	75	64.321	432,321	2.905,463	6,721	6,250
16	26	98.472	28.743,075	373.584,191	12,997	12,526	66	76	61.556	383,090	2.473,142	6,456	5,985
17	27	98.407	26.596,317	344.841,115	12,966	12,495	67	77	58.630	337,854	2.090,052	6,186	5,715
18	28	98.328	24.606,564	318.244,798	12,933	12,462	68	78	55.508	296,168	1.752,198	5,916	5,445
19	29	98.225	22.759,817	293.638,234	12,902	12,431	69	79	52.187	257,823	1.456,030	5,647	5,176
20	30	98.117	21.050,768	270.878,417	12,868	12,397	70	80	48.704	222,794	1.198,207	5,378	4,907
21	31	98.010	19.470,256	249.827,649	12,831	12,360	71	81	45.010	190,645	975,413	5,116	4,645
22	32	97.898	18.007,445	230.357,393	12,792	12,321	72	82	41.163	161,434	784,768	4,861	4,390
23	33	97.790	16.655,064	212.349,949	12,750	12,279	73	83	37.147	134,894	623,334	4,621	4,150
24	34	97.678	15.403,768	195.694,884	12,704	12,233	74	84	33.148	111,455	488,440	4,382	3,911
25	35	97.561	14.245,717	180.291,116	12,656	12,185	75	85	29.190	90,876	376,985	4,148	3,677
26	36	97.440	13.174,083	166.045,399	12,604	12,133	76	86	25.423	73,286	286,109	3,904	3,433
27	37	97.315	12.182,608	152.871,316	12,548	12,077	77	87	21.720	57,973	212,823	3,671	3,200
28	38	97.186	11.265,214	140.688,708	12,489	12,018	78	88	18.111	44,759	154,850	3,460	2,989
29	39	97.047	10.415,795	129.423,494	12,426	11,955	79	89	14.774	33,808	110,091	3,256	2,785
30	40	96.901	9.629,759	119.007,699	12,358	11,887	80	90	11.746	24,888	76,283	3,065	2,594
31	41	96.746	8.902,178	109.377,939	12,287	11,816	81	91	9.096	17,845	51,395	2,880	2,409
32	42	96.574	8.228,107	100.475,761	12,211	11,740	82	92	6.784	12,324	33,551	2,722	2,251
33	43	96.386	7.603,815	92.247,654	12,132	11,661	83	93	4.885	8,216	21,226	2,583	2,112
34	44	96.177	7.025,262	84.643,840	12,048	11,577	84	94	3.404	5,302	13,010	2,454	1,983
35	45	95.951	6.489,614	77.618,577	11,960	11,489	85	95	2.293	3,306	7,708	2,331	1,860
36	46	95.699	5.993,093	71.128,964	11,868	11,397	86	96	1.494	1,994	4,402	2,207	1,736
37	47	95.419	5.532,941	65.135,871	11,772	11,301	87	97	929	1,149	2,407	2,095	1,624
38	48	95.118	5.106,954	59.602,930	11,671	11,200	88	98	550	0,630	1,258	1,998	1,527
39	49	94.786	4.712,134	54.495,976	11,565	11,094	89	99	310	0,329	0,628	1,910	1,439
40	50	94.412	4.345,878	49.783,842	11,455	10,984	90	100	167	0,164	0,299	1,829	1,358
41	51	94.011	4.006,882	45.437,964	11,340	10,869	91	101	85	0,077	0,136	1,752	1,281
42	52	93.572	3.692,743	41.431,082	11,220	10,749	92	102	41	0,035	0,058	1,684	1,213
43	53	93.084	3.401,351	37.738,339	11,095	10,624	93	103	19	0,015	0,024	1,621	1,150
44	54	92.560	3.131,683	34.336,988	10,964	10,493	94	104	8	0,006	0,009	1,564	1,093
45	55	91.991	2.881,868	31.205,304	10,828	10,357	95	105	3	0,002	0,003	1,512	1,041
46	56	91.360	2.650,112	28.323,436	10,688	10,217	96	106					
47	57	90.685	2.435,661	25.673,324	10,541	10,070	97	107					
48	58	89.941	2.236,761	23.237,663	10,389	9,918	98	108					
49	59	89.143	2.052,687	21.000,902	10,231	9,760	99	109					
							100	110					

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -11 Jahre

Zinsfuß 8,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	11	99.480	99.479,797	1.318.239,486	13,251	12,780	50	61	87.806	1.872,125	18.639,368	9,956	9,485
1	12	99.017	91.682,086	1.218.759,689	13,293	12,822	51	62	86.879	1.715,153	16.767,243	9,776	9,305
2	13	98.968	84.849,319	1.127.077,603	13,283	12,812	52	63	85.885	1.569,935	15.052,090	9,588	9,117
3	14	98.939	78.540,756	1.042.228,284	13,270	12,799	53	64	84.800	1.435,288	13.482,156	9,393	8,922
4	15	98.909	72.701,183	963.687,528	13,255	12,784	54	65	83.651	1.310,960	12.046,867	9,189	8,718
5	16	98.878	67.294,858	890.986,345	13,240	12,769	55	66	82.405	1.195,763	10.735,907	8,978	8,507
6	17	98.844	62.288,327	823.691,487	13,224	12,753	56	67	81.047	1.088,948	9.540,144	8,761	8,290
7	18	98.810	57.654,967	761.403,161	13,206	12,735	57	68	79.595	990,220	8.451,196	8,535	8,064
8	19	98.770	53.362,286	703.748,194	13,188	12,717	58	69	78.004	898,541	7.460,976	8,303	7,832
9	20	98.731	49.389,954	650.385,909	13,168	12,697	59	70	76.275	813,540	6.562,435	8,067	7,595
10	21	98.690	45.712,716	600.995,955	13,147	12,676	60	71	74.400	734,766	5.748,895	7,824	7,353
11	22	98.657	42.312,256	555.283,239	13,123	12,652	61	72	72.370	661,774	5.014,130	7,577	7,106
12	23	98.616	39.161,750	512.970,983	13,099	12,628	62	73	70.212	594,479	4.352,356	7,321	6,850
13	24	98.577	36.246,684	473.809,233	13,072	12,601	63	74	67.855	531,966	3.757,878	7,064	6,593
14	25	98.538	33.548,276	437.562,549	13,043	12,572	64	75	65.352	474,394	3.225,912	6,800	6,329
15	26	98.495	31.049,846	404.014,272	13,012	12,541	65	76	62.653	421,112	2.751,518	6,534	6,063
16	27	98.445	28.735,029	372.964,427	12,979	12,508	66	77	59.774	372,000	2.330,406	6,265	5,793
17	28	98.378	26.588,566	344.229,398	12,947	12,475	67	78	56.723	326,863	1.958,405	5,992	5,520
18	29	98.299	24.599,261	317.640,832	12,913	12,442	68	79	53.450	285,191	1.631,543	5,721	5,250
19	30	98.196	22.753,155	293.041,571	12,879	12,408	69	80	49.992	246,978	1.346,352	5,451	4,980
20	31	98.085	21.043,875	270.288,416	12,844	12,373	70	81	46.332	211,941	1.099,374	5,187	4,716
21	32	97.975	19.463,301	249.244,541	12,806	12,335	71	82	42.501	180,018	887,433	4,930	4,459
22	33	97.863	18.001,042	229.781,240	12,765	12,294	72	83	38.503	151,002	707,415	4,685	4,214
23	34	97.751	16.648,409	211.780,198	12,721	12,250	73	84	34.485	125,228	556,414	4,443	3,972
24	35	97.632	15.396,546	195.131,789	12,674	12,203	74	85	30.484	102,498	431,186	4,207	3,736
25	36	97.511	14.238,424	179.735,243	12,623	12,152	75	86	26.655	82,986	328,688	3,961	3,490
26	37	97.385	13.166,633	165.496,818	12,569	12,098	76	87	22.860	65,898	245,702	3,729	3,257
27	38	97.256	12.175,138	152.330,185	12,512	12,041	77	88	19.159	51,139	179,804	3,516	3,045
28	39	97.118	11.257,334	140.155,047	12,450	11,979	78	89	15.729	38,872	128,665	3,310	2,839
29	40	96.969	10.407,460	128.897,714	12,385	11,914	79	90	12.584	28,797	89,793	3,118	2,647
30	41	96.817	9.621,381	118.490,254	12,315	11,844	80	91	9.826	20,820	60,997	2,930	2,459
31	42	96.650	8.893,379	108.868,872	12,242	11,771	81	92	7.391	14,501	40,177	2,771	2,300
32	43	96.465	8.218,853	99.975,494	12,164	11,693	82	93	5.391	9,793	25,676	2,622	2,151
33	44	96.261	7.593,945	91.756,641	12,083	11,612	83	94	3.791	6,376	15,883	2,491	2,020
34	45	96.043	7.015,483	84.162,696	11,997	11,526	84	95	2.577	4,013	9,507	2,369	1,898
35	46	95.799	6.479,321	77.147,213	11,907	11,436	85	96	1.690	2,437	5,494	2,254	1,783
36	47	95.527	5.982,330	70.667,892	11,813	11,342	86	97	1.071	1,430	3,057	2,137	1,666
37	48	95.233	5.522,182	64.685,562	11,714	11,243	87	98	648	0,801	1,627	2,032	1,561
38	49	94.917	5.096,127	59.163,381	11,609	11,138	88	99	372	0,426	0,826	1,940	1,469
39	50	94.558	4.700,793	54.067,253	11,502	11,031	89	100	203	0,216	0,400	1,858	1,387
40	51	94.174	4.334,898	49.366,460	11,388	10,917	90	101	106	0,104	0,185	1,781	1,310
41	52	93.750	3.995,753	45.031,562	11,270	10,799	91	102	52	0,047	0,081	1,709	1,238
42	53	93.289	3.681,579	41.035,809	11,146	10,675	92	103	24	0,020	0,034	1,645	1,174
43	54	92.790	3.390,611	37.354,230	11,017	10,546	93	104	11	0,008	0,013	1,586	1,115
44	55	92.238	3.120,791	33.963,618	10,883	10,412	94	105	4	0,003	0,005	1,532	1,061
45	56	91.642	2.870,955	30.842,828	10,743	10,272	95	106					
46	57	90.993	2.639,473	27.971,872	10,598	10,126	96	107					
47	58	90.280	2.424,790	25.332,400	10,447	9,976	97	108					
48	59	89.508	2.225,990	22.907,610	10,291	9,820	98	109					
49	60	88.690	2.042,252	20.681,620	10,127	9,656	99	110					
							100	111					

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -12 Jahre

Zinsfuß 8,00%

Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	12	99.470	99.470,467	1.317.388,412	13,244	12,773	50	62	87.312	1.861,590	18.309,188	9,835	9,364
1	13	99.008	91.674,300	1.217.917,944	13,285	12,814	51	63	86.332	1.704,359	16.447,598	9,650	9,179
2	14	98.959	84.841,098	1.126.243,645	13,275	12,804	52	64	85.301	1.559,256	14.743,238	9,455	8,984
3	15	98.927	78.531,604	1.041.402,547	13,261	12,790	53	65	84.180	1.424,792	13.183,982	9,253	8,782
4	16	98.891	72.688,194	962.870,943	13,247	12,776	54	66	82.968	1.300,253	11.759,190	9,044	8,573
5	17	98.857	67.280,606	890.182,749	13,231	12,760	55	67	81.658	1.184,934	10.458,937	8,827	8,356
6	18	98.822	62.274,622	822.902,143	13,214	12,743	56	68	80.223	1.077,879	9.274,003	8,604	8,133
7	19	98.782	57.638,385	760.627,521	13,197	12,726	57	69	78.685	978,894	8.196,125	8,373	7,902
8	20	98.742	53.347,493	702.989,135	13,178	12,707	58	70	77.009	887,077	7.217,230	8,136	7,665
9	21	98.700	49.374,354	649.641,642	13,157	12,686	59	71	75.191	801,977	6.330,153	7,893	7,422
10	22	98.666	45.701,531	600.267,289	13,135	12,663	60	72	73.194	722,854	5.528,176	7,648	7,177
11	23	98.630	42.300,801	554.565,757	13,110	12,639	61	73	71.065	649,842	4.805,323	7,395	6,924
12	24	98.590	39.151,532	512.264,957	13,084	12,613	62	74	68.781	582,368	4.155,481	7,135	6,664
13	25	98.551	36.236,837	473.113,425	13,056	12,585	63	75	66.310	519,858	3.573,113	6,873	6,402
14	26	98.514	33.540,021	436.876,588	13,026	12,554	64	76	63.658	462,094	3.053,255	6,607	6,136
15	27	98.468	31.041,153	403.336,566	12,994	12,523	65	77	60.839	408,922	2.591,161	6,337	5,866
16	28	98.416	28.726,654	372.295,413	12,960	12,489	66	78	57.829	359,898	2.182,240	6,063	5,592
17	29	98.349	26.580,674	343.568,759	12,926	12,454	67	79	54.620	314,748	1.822,342	5,790	5,319
18	30	98.270	24.592,060	316.988,085	12,890	12,419	68	80	51.202	273,194	1.507,593	5,518	5,047
19	31	98.164	22.745,705	292.396,025	12,855	12,384	69	81	47.556	234,946	1.234,399	5,254	4,783
20	32	98.050	21.036,358	269.650,320	12,818	12,347	70	82	43.749	200,126	999,453	4,994	4,523
21	33	97.940	19.456,380	248.613,961	12,778	12,307	71	83	39.755	168,384	799,326	4,747	4,276
22	34	97.824	17.993,849	229.157,581	12,735	12,264	72	84	35.744	140,181	630,942	4,501	4,030
23	35	97.705	16.640,604	211.163,732	12,690	12,219	73	85	31.714	115,164	490,761	4,261	3,790
24	36	97.582	15.388,664	194.523,128	12,641	12,170	74	86	27.837	93,599	375,597	4,013	3,542
25	37	97.456	14.230,373	179.134,464	12,588	12,117	75	87	23.968	74,620	281,998	3,779	3,308
26	38	97.325	13.158,559	164.904,091	12,532	12,061	76	88	20.165	58,130	207,378	3,567	3,096
27	39	97.188	12.166,621	151.745,531	12,472	12,001	77	89	16.639	44,413	149,248	3,360	2,889
28	40	97.040	11.248,325	139.578,910	12,409	11,938	78	90	13.397	33,110	104,836	3,166	2,695
29	41	96.885	10.398,406	128.330,586	12,341	11,870	79	91	10.527	24,089	71,725	2,977	2,506
30	42	96.721	9.611,871	117.932,180	12,269	11,798	80	92	7.985	16,918	47,636	2,816	2,345
31	43	96.542	8.883,376	108.320,309	12,194	11,723	81	93	5.873	11,522	30,718	2,666	2,195
32	44	96.340	8.208,185	99.436,933	12,114	11,643	82	94	4.183	7,599	19,195	2,526	2,055
33	45	96.127	7.583,374	91.228,748	12,030	11,559	83	95	2.869	4,826	11,596	2,403	1,932
34	46	95.891	7.004,356	83.645,374	11,942	11,471	84	96	1.900	2,958	6,770	2,288	1,817
35	47	95.627	6.467,684	76.641,017	11,850	11,379	85	97	1.212	1,748	3,812	2,181	1,710
36	48	95.341	5.970,696	70.173,333	11,753	11,282	86	98	746	0,997	2,064	2,071	1,600
37	49	95.032	5.510,475	64.202,637	11,651	11,180	87	99	438	0,541	1,067	1,972	1,501
38	50	94.688	5.083,862	58.692,162	11,545	11,074	88	100	244	0,279	0,526	1,886	1,415
39	51	94.319	4.688,916	53.608,300	11,433	10,962	89	101	129	0,137	0,247	1,808	1,337
40	52	93.912	4.322,858	48.919,384	11,316	10,845	90	102	65	0,064	0,110	1,736	1,265
41	53	93.467	3.983,673	44.596,525	11,195	10,724	91	103	31	0,028	0,047	1,668	1,197
42	54	92.995	3.669,955	40.612,852	11,066	10,595	92	104	14	0,012	0,019	1,607	1,136
43	55	92.467	3.378,818	36.942,897	10,934	10,463	93	105	6	0,005	0,007	1,552	1,080
44	56	91.889	3.108,973	33.564,079	10,796	10,325	94	106					
45	57	91.274	2.859,429	30.455,107	10,651	10,180	95	107					
46	58	90.587	2.627,692	27.595,677	10,502	10,031	96	108					
47	59	89.845	2.413,113	24.967,985	10,347	9,876	97	109					
48	60	89.053	2.214,673	22.554,872	10,184	9,713	98	110					
49	61	88.202	2.031,011	20.340,198	10,015	9,544	99	111					
							100	112					

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -13 Jahre

Zinsfuß 8,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	13	99.462	99.462,020	1.316.470,728	13,236	12,765	50	63	86.762	1.849,875	17.956,022	9,707	9,236
1	14	98.999	91.665,417	1.217.008,708	13,277	12,806	51	64	85.745	1.692,767	16.106,147	9,515	9,044
2	15	98.947	84.831,212	1.125.343,291	13,266	12,795	52	65	84.677	1.547,854	14.413,381	9,312	8,841
3	16	98.910	78.517,573	1.040.512,079	13,252	12,781	53	66	83.493	1.413,156	12.865,527	9,104	8,633
4	17	98.871	72.672,800	961.994,506	13,237	12,766	54	67	82.217	1.288,477	11.452,371	8,888	8,417
5	18	98.836	67.265,803	889.321,706	13,221	12,750	55	68	80.828	1.172,889	10.163,894	8,666	8,195
6	19	98.794	62.256,712	822.055,903	13,204	12,733	56	69	79.306	1.065,550	8.991,005	8,438	7,967
7	20	98.755	57.622,408	759.799,190	13,186	12,715	57	70	77.681	966,405	7.925,455	8,201	7,730
8	21	98.711	53.330,643	702.176,783	13,166	12,695	58	71	75.914	874,469	6.959,050	7,958	7,487
9	22	98.675	49.362,273	648.846,140	13,145	12,674	59	72	73.972	788,975	6.084,581	7,712	7,241
10	23	98.639	45.689,158	599.483,866	13,121	12,650	60	73	71.874	709,821	5.295,606	7,460	6,989
11	24	98.604	42.289,764	553.794,708	13,095	12,624	61	74	69.617	636,604	4.585,785	7,204	6,732
12	25	98.563	39.140,895	511.504,944	13,068	12,597	62	75	67.216	569,112	3.949,182	6,939	6,468
13	26	98.526	36.227,920	472.364,049	13,039	12,568	63	76	64.591	506,379	3.380,070	6,675	6,204
14	27	98.486	33.530,631	436.136,129	13,007	12,536	64	77	61.815	448,717	2.873,691	6,404	5,933
15	28	98.439	31.032,107	402.605,497	12,974	12,503	65	78	58.860	395,618	2.424,974	6,130	5,659
16	29	98.387	28.718,128	371.573,391	12,939	12,468	66	79	55.686	346,560	2.029,355	5,856	5,385
17	30	98.320	26.572,894	342.855,263	12,902	12,431	67	80	52.323	301,508	1.682,796	5,581	5,110
18	31	98.238	24.584,008	316.282,369	12,865	12,394	68	81	48.708	259,886	1.381,288	5,315	4,844
19	32	98.129	22.737,580	291.698,361	12,829	12,358	69	82	44.905	221,850	1.121,402	5,055	4,584
20	33	98.015	21.028,878	268.960,781	12,790	12,319	70	83	40.922	187,193	899,552	4,805	4,334
21	34	97.901	19.448,606	247.931,902	12,748	12,277	71	84	36.906	156,318	712,359	4,557	4,086
22	35	97.778	17.985,413	228.483,296	12,704	12,233	72	85	32.871	128,916	556,041	4,313	3,842
23	36	97.655	16.632,085	210.497,883	12,656	12,185	73	86	28.961	105,165	427,125	4,061	3,590
24	37	97.527	15.379,962	193.865,798	12,605	12,134	74	87	25.031	84,162	321,959	3,825	3,354
25	38	97.397	14.221,647	178.485,836	12,550	12,079	75	88	21.143	65,824	237,797	3,613	3,142
26	39	97.257	13.149,355	164.264,189	12,492	12,021	76	89	17.513	50,484	171,973	3,406	2,935
27	40	97.110	12.156,885	151.114,835	12,430	11,959	77	90	14.173	37,830	121,489	3,211	2,740
28	41	96.956	11.238,539	138.957,950	12,364	11,893	78	91	11.207	27,698	83,659	3,020	2,549
29	42	96.789	10.388,127	127.719,411	12,295	11,824	79	92	8.554	19,575	55,961	2,859	2,388
30	43	96.612	9.601,061	117.331,284	12,221	11,750	80	93	6.345	13,443	36,386	2,707	2,236
31	44	96.416	8.871,846	107.730,223	12,143	11,672	81	94	4.558	8,941	22,943	2,566	2,095
32	45	96.206	8.196,759	98.858,378	12,061	11,590	82	95	3.166	5,752	14,001	2,434	1,963
33	46	95.975	7.571,347	90.661,619	11,974	11,503	83	96	2.115	3,558	8,250	2,319	1,848
34	47	95.718	6.991,777	83.090,272	11,884	11,413	84	97	1.362	2,122	4,692	2,211	1,740
35	48	95.441	6.455,107	76.098,495	11,789	11,318	85	98	845	1,218	2,570	2,111	1,640
36	49	95.139	5.958,039	69.643,389	11,689	11,218	86	99	505	0,674	1,352	2,007	1,536
37	50	94.803	5.497,213	63.685,350	11,585	11,114	87	100	287	0,355	0,679	1,915	1,444
38	51	94.449	5.071,017	58.188,137	11,475	11,004	88	101	154	0,177	0,324	1,833	1,362
39	52	94.057	4.675,894	53.117,120	11,360	10,889	89	102	79	0,084	0,147	1,760	1,289
40	53	93.628	4.309,790	48.441,226	11,240	10,769	90	103	38	0,038	0,064	1,693	1,222
41	54	93.172	3.971,095	44.131,437	11,113	10,642	91	104	18	0,016	0,026	1,629	1,158
42	55	92.671	3.657,190	40.160,342	10,981	10,510	92	105	8	0,006	0,010	1,571	1,100
43	56	92.117	3.366,023	36.503,152	10,845	10,374	93	106					
44	57	91.520	3.096,491	33.137,129	10,702	10,230	94	107					
45	58	90.867	2.846,667	30.040,638	10,553	10,082	95	108					
46	59	90.151	2.615,038	27.193,971	10,399	9,928	96	109					
47	60	89.388	2.400,846	24.578,932	10,238	9,767	97	110					
48	61	88.563	2.202,483	22.178,087	10,070	9,599	98	111					
49	62	87.705	2.019,582	19.975,604	9,891	9,420	99	112					
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -14 Jahre

Zinsfuß 8,00%

Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	14	99.452	99.452,383	1.315.479,988	13,227	12,756	50	64	86.172	1.837,292	17.579,199	9,568	9,097
1	15	98.987	91.654,736	1.216.027,606	13,267	12,796	51	65	85.118	1.680,388	15.741,906	9,368	8,897
2	16	98.929	84.816,055	1.124.372,869	13,257	12,786	52	66	83.985	1.535,212	14.061,519	9,159	8,688
3	17	98.889	78.500,945	1.039.556,815	13,243	12,772	53	67	82.737	1.400,357	12.526,307	8,945	8,474
4	18	98.849	72.656,811	961.055,870	13,227	12,756	54	68	81.381	1.275,380	11.125,949	8,724	8,253
5	19	98.807	67.246,458	888.399,059	13,211	12,740	55	69	79.904	1.159,474	9.850,570	8,496	8,025
6	20	98.766	62.239,454	821.152,601	13,193	12,722	56	70	78.294	1.051,956	8.691,096	8,262	7,791
7	21	98.723	57.604,207	758.913,146	13,175	12,704	57	71	76.577	952,669	7.639,140	8,019	7,548
8	22	98.687	53.317,595	701.308,939	13,153	12,682	58	72	74.683	860,291	6.686,471	7,772	7,301
9	23	98.649	49.348,909	647.991,344	13,131	12,660	59	73	72.638	774,750	5.826,179	7,520	7,049
10	24	98.614	45.677,237	598.642,436	13,106	12,635	60	74	70.410	695,360	5.051,429	7,264	6,793
11	25	98.578	42.278,275	552.965,198	13,079	12,608	61	75	68.033	622,113	4.356,069	7,002	6,531
12	26	98.539	39.131,264	510.686,923	13,051	12,580	62	76	65.473	554,356	3.733,955	6,736	6,265
13	27	98.499	36.217,778	471.555,659	13,020	12,549	63	77	62.721	491,720	3.179,599	6,466	5,995
14	28	98.457	33.520,860	435.337,881	12,987	12,516	64	78	59.804	434,119	2.687,879	6,192	5,721
15	29	98.410	31.022,896	401.817,022	12,952	12,481	65	79	56.679	380,956	2.253,760	5,916	5,445
16	30	98.358	28.709,722	370.794,126	12,915	12,444	66	80	53.343	331,981	1.872,804	5,641	5,170
17	31	98.288	26.564,193	342.084,405	12,878	12,407	67	81	49.774	286,820	1.540,823	5,372	4,901
18	32	98.203	24.575,227	315.520,211	12,839	12,368	68	82	45.993	245,399	1.254,002	5,110	4,639
19	33	98.094	22.729,495	290.944,984	12,800	12,329	69	83	42.003	207,513	1.008,604	4,860	4,389
20	34	97.976	21.020,476	268.215,489	12,760	12,289	70	84	37.989	173,780	801,091	4,610	4,139
21	35	97.855	19.439,488	247.195,014	12,716	12,245	71	85	33.940	143,756	627,311	4,364	3,893
22	36	97.728	17.976,205	227.755,525	12,670	12,199	72	86	30.017	117,723	483,555	4,108	3,637
23	37	97.599	16.622,680	209.779,320	12,620	12,149	73	87	26.041	94,563	365,832	3,869	3,398
24	38	97.467	15.370,531	193.156,640	12,567	12,096	74	88	22.080	74,242	271,269	3,654	3,183
25	39	97.328	14.211,698	177.786,109	12,510	12,039	75	89	18.362	57,166	197,028	3,447	2,976
26	40	97.179	13.138,832	163.574,411	12,450	11,979	76	90	14.917	43,001	139,861	3,252	2,781
27	41	97.025	12.146,308	150.435,579	12,385	11,914	77	91	11.856	31,646	96,860	3,061	2,590
28	42	96.860	11.227,430	138.289,270	12,317	11,846	78	92	9.107	22,507	65,214	2,897	2,426
29	43	96.680	10.376,444	127.061,841	12,245	11,774	79	93	6.797	15,555	42,707	2,746	2,275
30	44	96.487	9.588,598	116.685,397	12,169	11,698	80	94	4.923	10,432	27,152	2,603	2,132
31	45	96.282	8.859,496	107.096,799	12,088	11,617	81	95	3.449	6,767	16,720	2,471	2,000
32	46	96.053	8.183,759	98.237,303	12,004	11,533	82	96	2.334	4,240	9,953	2,347	1,876
33	47	95.802	7.557,749	90.053,544	11,915	11,444	83	97	1.517	2,551	5,712	2,239	1,768
34	48	95.532	6.978,180	82.495,795	11,822	11,351	84	98	949	1,478	3,161	2,138	1,667
35	49	95.239	6.441,423	75.517,615	11,724	11,253	85	99	571	0,823	1,683	2,044	1,573
36	50	94.910	5.943,699	69.076,192	11,622	11,151	86	100	331	0,441	0,859	1,947	1,476
37	51	94.563	5.483,323	63.132,493	11,514	11,043	87	101	182	0,225	0,418	1,860	1,389
38	52	94.187	5.056,934	57.649,170	11,400	10,929	88	102	95	0,108	0,193	1,784	1,313
39	53	93.773	4.661,758	52.592,236	11,282	10,811	89	103	47	0,050	0,085	1,715	1,244
40	54	93.332	4.296,181	47.930,478	11,157	10,685	90	104	22	0,021	0,035	1,652	1,181
41	55	92.848	3.957,282	43.634,297	11,026	10,555	91	105	10	0,009	0,014	1,591	1,120
42	56	92.320	3.643,340	39.677,015	10,890	10,419	92	106					
43	57	91.747	3.352,509	36.033,674	10,748	10,277	93	107					
44	58	91.111	3.082,671	32.681,165	10,602	10,131	94	108					
45	59	90.429	2.832,959	29.598,494	10,448	9,977	95	109					
46	60	89.693	2.601,744	26.765,535	10,288	9,816	96	110					
47	61	88.896	2.387,631	24.163,791	10,120	9,649	97	111					
48	62	88.065	2.190,089	21.776,160	9,943	9,472	98	112					
49	63	87.153	2.006,873	19.586,071	9,759	9,288	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -15 Jahre

Zinsfuß 8,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	15	99.441	99.440,794	1.314.411,483	13,218	12,747	50	65	85.542	1.823,857	17.177,676	9,418	8,947
1	16	98.969	91.638,360	1.214.970,689	13,258	12,787	51	66	84.423	1.666,663	15.353,819	9,212	8,741
2	17	98.908	84.798,093	1.123.332,328	13,247	12,776	52	67	83.225	1.521,308	13.687,156	8,997	8,526
3	18	98.867	78.483,673	1.038.534,235	13,232	12,761	53	68	81.896	1.386,123	12.165,847	8,777	8,306
4	19	98.820	72.635,915	960.050,562	13,217	12,746	54	69	80.450	1.260,792	10.779,725	8,550	8,079
5	20	98.780	67.227,817	887.414,647	13,200	12,729	55	70	78.884	1.144,681	9.518,932	8,316	7,845
6	21	98.735	62.219,796	820.186,830	13,182	12,711	56	71	77.181	1.037,004	8.374,252	8,075	7,604
7	22	98.699	57.590,113	757.967,034	13,161	12,690	57	72	75.335	937,224	7.337,248	7,829	7,358
8	23	98.660	53.303,159	700.376,921	13,140	12,668	58	73	73.337	844,781	6.400,023	7,576	7,105
9	24	98.623	49.336,033	647.073,762	13,116	12,645	59	74	71.158	758,967	5.555,242	7,319	6,848
10	25	98.587	45.664,828	597.737,728	13,090	12,619	60	75	68.807	679,533	4.796,275	7,058	6,587
11	26	98.553	42.267,872	552.072,900	13,061	12,590	61	76	66.269	605,983	4.116,742	6,793	6,322
12	27	98.512	39.120,309	509.805,029	13,032	12,561	62	77	63.578	538,309	3.510,759	6,522	6,051
13	28	98.470	36.207,223	470.684,720	13,000	12,529	63	78	60.681	475,723	2.972,450	6,248	5,777
14	29	98.428	33.510,910	434.477,497	12,965	12,494	64	79	57.587	418,030	2.496,727	5,973	5,502
15	30	98.381	31.013,815	400.966,587	12,929	12,458	65	80	54.294	364,931	2.078,697	5,696	5,225
16	31	98.326	28.700,322	369.952,772	12,890	12,419	66	81	50.745	315,809	1.713,767	5,427	4,956
17	32	98.253	26.554,704	341.252,451	12,851	12,380	67	82	46.999	270,832	1.397,958	5,162	4,691
18	33	98.168	24.566,488	314.697,746	12,810	12,339	68	83	43.020	229,540	1.127,126	4,910	4,439
19	34	98.055	22.720,413	290.131,258	12,770	12,299	69	84	38.993	192,643	897,586	4,659	4,188
20	35	97.930	21.010,621	267.410,845	12,727	12,256	70	85	34.936	159,814	704,943	4,411	3,940
21	36	97.805	19.429,536	246.400,224	12,682	12,211	71	86	30.993	131,275	545,129	4,153	3,682
22	37	97.673	17.966,040	226.970,688	12,633	12,162	72	87	26.991	105,855	413,854	3,910	3,439
23	38	97.540	16.612,487	209.004,648	12,581	12,110	73	88	22.971	83,416	307,999	3,692	3,221
24	39	97.399	15.359,779	192.392,161	12,526	12,055	74	89	19.176	64,477	224,583	3,483	3,012
25	40	97.251	14.200,325	177.032,382	12,467	11,996	75	90	15.640	48,693	160,106	3,288	2,817
26	41	97.095	13.127,401	162.832,056	12,404	11,933	76	91	12.479	35,972	111,414	3,097	2,626
27	42	96.930	12.134,302	149.704,655	12,337	11,866	77	92	9.634	25,716	75,442	2,934	2,463
28	43	96.751	11.214,803	137.570,353	12,267	11,796	78	93	7.237	17,885	49,726	2,780	2,309
29	44	96.555	10.362,975	126.355,550	12,193	11,722	79	94	5.275	12,070	31,841	2,638	2,167
30	45	96.352	9.575,251	115.992,576	12,114	11,643	80	95	3.726	7,896	19,771	2,504	2,033
31	46	96.129	8.845,445	106.417,325	12,031	11,560	81	96	2.543	4,989	11,875	2,380	1,909
32	47	95.881	8.169,061	97.571,880	11,944	11,473	82	97	1.674	3,041	6,886	2,264	1,793
33	48	95.616	7.543,051	89.402,819	11,852	11,381	83	98	1.057	1,778	3,845	2,163	1,692
34	49	95.330	6.963,387	81.859,767	11,756	11,285	84	99	642	0,999	2,067	2,069	1,598
35	50	95.009	6.425,920	74.896,380	11,655	11,184	85	100	374	0,539	1,068	1,980	1,509
36	51	94.670	5.928,682	68.470,461	11,549	11,078	86	101	210	0,280	0,529	1,890	1,419
37	52	94.301	5.468,095	62.541,779	11,438	10,967	87	102	111	0,138	0,249	1,808	1,337
38	53	93.902	5.041,646	57.073,684	11,320	10,849	88	103	56	0,064	0,111	1,737	1,266
39	54	93.477	4.647,038	52.032,039	11,197	10,726	89	104	27	0,028	0,047	1,672	1,201
40	55	93.008	4.281,238	47.385,001	11,068	10,597	90	105	12	0,012	0,019	1,612	1,141
41	56	92.496	3.942,297	43.103,762	10,934	10,463	91	106					
42	57	91.950	3.628,713	39.161,466	10,792	10,321	92	107					
43	58	91.337	3.337,547	35.532,752	10,646	10,175	93	108					
44	59	90.673	3.067,826	32.195,205	10,494	10,023	94	109					
45	60	89.970	2.818,557	29.127,380	10,334	9,863	95	110					
46	61	89.199	2.587,424	26.308,823	10,168	9,697	96	111					
47	62	88.396	2.374,195	23.721,399	9,991	9,520	97	112					
48	63	87.511	2.176,307	21.347,205	9,809	9,338	98						
49	64	86.560	1.993,222	19.170,898	9,618	9,147	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -16 Jahre

Zinsfuß 8,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	16	99.423	99.423,027	1.313.260,946	13,209	12,738	50	66	84.843	1.808,961	16.750,334	9,260	8,789
1	17	98.948	91.618,954	1.213.837,919	13,249	12,778	51	67	83.658	1.651,569	14.941,373	9,047	8,576
2	18	98.887	84.779,436	1.122.218,966	13,237	12,766	52	68	82.379	1.505,844	13.289,804	8,825	8,354
3	19	98.838	78.461,102	1.037.439,530	13,222	12,751	53	69	80.959	1.370,269	11.783,960	8,600	8,129
4	20	98.793	72.615,780	958.978,428	13,206	12,735	54	70	79.424	1.244,707	10.413,691	8,366	7,895
5	21	98.749	67.206,583	886.362,648	13,189	12,718	55	71	77.763	1.128,411	9.168,984	8,126	7,655
6	22	98.711	62.204,572	819.156,065	13,169	12,698	56	72	75.930	1.020,192	8.040,573	7,881	7,410
7	23	98.673	57.574,521	756.951,493	13,147	12,676	57	73	73.977	920,327	7.020,382	7,628	7,157
8	24	98.635	53.289,252	699.376,972	13,124	12,653	58	74	71.843	827,571	6.100,055	7,371	6,900
9	25	98.596	49.322,630	646.087,719	13,099	12,628	59	75	69.538	741,691	5.272,484	7,109	6,638
10	26	98.563	45.653,591	596.765,090	13,072	12,601	60	76	67.023	661,914	4.530,792	6,845	6,374
11	27	98.526	42.256,038	551.111,498	13,042	12,571	61	77	64.351	588,441	3.868,878	6,575	6,104
12	28	98.483	39.108,908	508.855,460	13,011	12,540	62	78	61.509	520,796	3.280,437	6,299	5,828
13	29	98.441	36.196,476	469.746,552	12,978	12,507	63	79	58.432	458,092	2.759,641	6,024	5,553
14	30	98.399	33.501,101	433.550,076	12,941	12,470	64	80	55.165	400,445	2.301,549	5,747	5,276
15	31	98.349	31.003,661	400.048,975	12,903	12,432	65	81	51.649	347,153	1.901,104	5,476	5,005
16	32	98.291	28.690,069	369.045,315	12,863	12,392	66	82	47.916	298,204	1.553,950	5,211	4,740
17	33	98.218	26.545,262	340.355,245	12,822	12,351	67	83	43.962	253,330	1.255,746	4,957	4,486
18	34	98.129	24.556,672	313.809,983	12,779	12,308	68	84	39.938	213,092	1.002,417	4,704	4,233
19	35	98.009	22.709,761	289.253,311	12,737	12,266	69	85	35.860	177,162	789,325	4,455	3,984
20	36	97.879	20.999,864	266.543,550	12,693	12,222	70	86	31.903	145,939	612,163	4,195	3,724
21	37	97.750	19.418,549	245.543,685	12,645	12,174	71	87	27.869	118,040	466,225	3,950	3,479
22	38	97.613	17.955,023	226.125,136	12,594	12,123	72	88	23.809	93,377	348,184	3,729	3,258
23	39	97.471	16.600,866	208.170,113	12,540	12,069	73	89	19.950	72,445	254,808	3,517	3,046
24	40	97.321	15.347,487	191.569,246	12,482	12,011	74	90	16.334	54,920	182,363	3,321	2,849
25	41	97.166	14.187,971	176.221,759	12,421	11,949	75	91	13.084	40,733	127,443	3,129	2,658
26	42	96.999	13.114,425	162.033,788	12,355	11,884	76	92	10.140	29,231	86,710	2,966	2,495
27	43	96.821	12.120,655	148.919,363	12,286	11,815	77	93	7.656	20,434	57,479	2,813	2,342
28	44	96.626	11.200,246	136.798,708	12,214	11,743	78	94	5.616	13,879	37,045	2,669	2,198
29	45	96.420	10.348,550	125.598,462	12,137	11,666	79	95	3.992	9,136	23,166	2,536	2,065
30	46	96.200	9.560,064	115.249,913	12,055	11,584	80	96	2.747	5,821	14,031	2,410	1,939
31	47	95.957	8.829,558	105.689,848	11,970	11,499	81	97	1.824	3,578	8,210	2,295	1,823
32	48	95.694	8.153,175	96.860,290	11,880	11,409	82	98	1.166	2,119	4,632	2,186	1,715
33	49	95.413	7.527,061	88.707,115	11,785	11,314	83	99	714	1,202	2,513	2,091	1,620
34	50	95.100	6.946,628	81.180,054	11,686	11,215	84	100	420	0,655	1,311	2,003	1,532
35	51	94.769	6.409,684	74.233,426	11,581	11,110	85	101	237	0,342	0,657	1,920	1,449
36	52	94.407	5.912,216	67.823,742	11,472	11,001	86	102	128	0,171	0,315	1,836	1,365
37	53	94.016	5.451,564	61.911,526	11,357	10,886	87	103	66	0,081	0,143	1,759	1,288
38	54	93.606	5.025,726	56.459,962	11,234	10,763	88	104	32	0,037	0,062	1,692	1,221
39	55	93.151	4.630,875	51.434,236	11,107	10,636	89	105	15	0,015	0,025	1,631	1,160
40	56	92.656	4.265,026	46.803,361	10,974	10,503	90	106					
41	57	92.125	3.926,470	42.538,336	10,834	10,363	91	107					
42	58	91.539	3.612,518	38.611,866	10,688	10,217	92	108					
43	59	90.898	3.321,474	34.999,348	10,537	10,066	93	109					
44	60	90.212	3.052,230	31.677,874	10,379	9,908	94	110					
45	61	89.474	2.803,043	28.625,644	10,212	9,741	95	111					
46	62	88.697	2.572,863	25.822,601	10,037	9,565	96	112					
47	63	87.840	2.359,254	23.249,738	9,855	9,384	97						
48	64	86.915	2.161,504	20.890,484	9,665	9,194	98						
49	65	85.927	1.978,646	18.728,980	9,466	8,995	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -17 Jahre

Zinsfuß 8,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	17	99.402	99.401,972	1.312.028,369	13,199	12,728	50	67	84.075	1.792,578	16.296,644	9,091	8,620
1	18	98.927	91.598,796	1.212.626,397	13,238	12,767	51	68	82.808	1.634,781	14.504,066	8,872	8,401
2	19	98.858	84.755,054	1.121.027,602	13,227	12,756	52	69	81.437	1.488,621	12.869,285	8,645	8,174
3	20	98.811	78.439,352	1.036.272,548	13,211	12,740	53	70	79.926	1.352,787	11.380,665	8,413	7,942
4	21	98.762	72.592,844	957.833,196	13,195	12,724	54	71	78.295	1.227,015	10.027,878	8,173	7,702
5	22	98.724	67.190,139	885.240,352	13,175	12,704	55	72	76.502	1.110,117	8.800,863	7,928	7,457
6	23	98.684	62.187,731	818.050,213	13,155	12,683	56	73	74.561	1.001,799	7.690,746	7,677	7,206
7	24	98.647	57.559,500	755.862,482	13,132	12,661	57	74	72.470	901,578	6.688,947	7,419	6,948
8	25	98.608	53.274,775	698.302,982	13,108	12,637	58	75	70.208	808,734	5.787,369	7,156	6,685
9	26	98.572	49.310,493	645.028,207	13,081	12,610	59	76	67.735	722,461	4.978,635	6,891	6,420
10	27	98.535	45.640,810	595.717,714	13,052	12,581	60	77	65.083	642,753	4.256,174	6,622	6,151
11	28	98.497	42.243,724	550.076,904	13,022	12,550	61	78	62.257	569,298	3.613,421	6,347	5,876
12	29	98.454	39.097,300	507.833,181	12,989	12,518	62	79	59.230	501,494	3.044,123	6,070	5,599
13	30	98.412	36.185,881	468.735,881	12,954	12,483	63	80	55.974	438,822	2.542,629	5,794	5,323
14	31	98.367	33.490,132	432.550,000	12,916	12,445	64	81	52.478	380,937	2.103,807	5,523	5,052
15	32	98.314	30.992,586	399.059,868	12,876	12,405	65	82	48.770	327,802	1.722,870	5,256	4,785
16	33	98.256	28.679,868	368.067,282	12,834	12,363	66	83	44.820	278,933	1.395,068	5,001	4,530
17	34	98.179	26.534,655	339.387,414	12,790	12,319	67	84	40.812	235,177	1.116,135	4,746	4,275
18	35	98.083	24.545,160	312.852,759	12,746	12,275	68	85	36.728	195,967	880,959	4,495	4,024
19	36	97.958	22.698,135	288.307,599	12,702	12,231	69	86	32.746	161,780	684,991	4,234	3,763
20	37	97.824	20.987,990	265.609,465	12,655	12,184	70	87	28.687	131,226	523,212	3,987	3,516
21	38	97.690	19.406,642	244.621,475	12,605	12,134	71	88	24.584	104,126	391,986	3,765	3,293
22	39	97.545	17.942,463	225.214,833	12,552	12,081	72	89	20.678	81,095	287,860	3,550	3,079
23	40	97.393	16.587,581	207.272,370	12,496	12,025	73	90	16.993	61,707	206,765	3,351	2,880
24	41	97.237	15.334,135	190.684,789	12,435	11,964	74	91	13.664	45,942	145,058	3,157	2,686
25	42	97.070	14.173,947	175.350,653	12,371	11,900	75	92	10.632	33,100	99,116	2,994	2,523
26	43	96.890	13.099,676	161.176,706	12,304	11,833	76	93	8.058	23,227	66,016	2,842	2,371
27	44	96.695	12.104,922	148.077,031	12,233	11,762	77	94	5.941	15,857	42,788	2,698	2,227
28	45	96.491	11.184,655	135.972,109	12,157	11,686	78	95	4.250	10,504	26,932	2,564	2,093
29	46	96.267	10.332,137	124.787,454	12,078	11,607	79	96	2.943	6,735	16,427	2,439	1,968
30	47	96.027	9.542,895	114.455,318	11,994	11,523	80	97	1.970	4,175	9,692	2,322	1,851
31	48	95.770	8.812,388	104.912,423	11,905	11,434	81	98	1.271	2,493	5,518	2,213	1,742
32	49	95.492	8.135,891	96.100,035	11,812	11,341	82	99	788	1,432	3,025	2,112	1,641
33	50	95.184	7.508,945	87.964,144	11,715	11,244	83	100	468	0,787	1,593	2,023	1,552
34	51	94.860	6.929,076	80.455,199	11,611	11,140	84	101	266	0,415	0,805	1,941	1,470
35	52	94.506	6.391,883	73.526,122	11,503	11,032	85	102	145	0,209	0,390	1,863	1,392
36	53	94.122	5.894,342	67.134,240	11,390	10,919	86	103	76	0,101	0,181	1,784	1,313
37	54	93.719	5.434,350	61.239,897	11,269	10,798	87	104	38	0,046	0,079	1,712	1,241
38	55	93.280	5.008,246	55.805,547	11,143	10,672	88	105	18	0,020	0,033	1,649	1,178
39	56	92.799	4.613,338	50.797,301	11,011	10,540	89						
40	57	92.284	4.247,903	46.183,963	10,872	10,401	90						
41	58	91.714	3.908,945	41.936,060	10,728	10,257	91						
42	59	91.099	3.595,122	38.027,115	10,577	10,106	92						
43	60	90.435	3.304,589	34.431,994	10,419	9,948	93						
44	61	89.715	3.035,430	31.127,405	10,255	9,784	94						
45	62	88.971	2.787,269	28.091,975	10,079	9,608	95						
46	63	88.139	2.556,672	25.304,706	9,898	9,426	96						
47	64	87.242	2.343,207	22.748,034	9,708	9,237	97						
48	65	86.280	2.145,697	20.404,827	9,510	9,039	98						
49	66	85.226	1.962,486	18.259,130	9,304	8,833	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -18 Jahre

Zinsfuß 8,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	18	99.380	99.380,101	1.310.710,646	13,189	12,718	50	68	83.220	1.774,356	15.816,087	8,914	8,443
1	19	98.898	91.572,452	1.211.330,544	13,228	12,757	51	69	81.861	1.616,083	14.041,731	8,689	8,218
2	20	98.831	84.731,559	1.119.758,092	13,215	12,744	52	70	80.398	1.469,629	12.425,648	8,455	7,984
3	21	98.780	78.414,576	1.035.026,533	13,199	12,728	53	71	78.790	1.333,559	10.956,019	8,216	7,745
4	22	98.738	72.575,083	956.611,956	13,181	12,710	54	72	77.025	1.207,123	9.622,460	7,971	7,500
5	23	98.698	67.171,948	884.036,874	13,161	12,690	55	73	75.123	1.090,102	8.415,337	7,720	7,249
6	24	98.658	62.171,506	816.864,926	13,139	12,668	56	74	73.042	981,390	7.325,235	7,464	6,993
7	25	98.620	57.543,862	754.693,420	13,115	12,644	57	75	70.820	881,056	6.343,845	7,200	6,729
8	26	98.584	53.261,666	697.149,558	13,089	12,618	58	76	68.387	787,766	5.462,789	6,935	6,463
9	27	98.544	49.296,688	643.887,892	13,061	12,590	59	77	65.775	701,547	4.675,023	6,664	6,193
10	28	98.506	45.627,509	594.591,204	13,031	12,560	60	78	62.966	621,843	3.973,476	6,390	5,919
11	29	98.468	42.231,185	548.963,695	12,999	12,528	61	79	59.950	548,198	3.351,634	6,114	5,643
12	30	98.425	39.085,856	506.732,510	12,965	12,494	62	80	56.738	480,398	2.803,435	5,836	5,365
13	31	98.380	36.174,033	467.646,655	12,928	12,457	63	81	53.247	417,445	2.323,037	5,565	5,094
14	32	98.332	33.478,169	431.472,622	12,888	12,417	64	82	49.552	359,702	1.905,592	5,298	4,827
15	33	98.279	30.981,566	397.994,453	12,846	12,375	65	83	45.619	306,618	1.545,890	5,042	4,571
16	34	98.216	28.668,408	367.012,887	12,802	12,331	66	84	41.608	258,945	1.239,272	4,786	4,315
17	35	98.133	26.522,215	338.344,479	12,757	12,286	67	85	37.532	216,277	980,327	4,533	4,062
18	36	98.033	24.532,594	311.822,263	12,711	12,239	68	86	33.539	178,953	764,049	4,270	3,799
19	37	97.903	22.685,300	287.289,670	12,664	12,193	69	87	29.445	145,470	585,097	4,022	3,551
20	38	97.764	20.975,120	264.604,370	12,615	12,144	70	88	25.305	115,757	439,627	3,798	3,327
21	39	97.621	19.393,066	243.629,250	12,563	12,092	71	89	21.350	90,431	323,869	3,581	3,110
22	40	97.467	17.928,105	224.236,184	12,508	12,036	72	90	17.613	69,075	233,439	3,380	2,908
23	41	97.309	16.573,150	206.308,079	12,448	11,977	73	91	14.215	51,620	164,364	3,184	2,713
24	42	97.140	15.318,978	189.734,929	12,386	11,915	74	92	11.103	37,333	112,744	3,020	2,549
25	43	96.961	14.158,006	174.415,951	12,319	11,848	75	93	8.448	26,301	75,411	2,867	2,396
26	44	96.764	13.082,672	160.257,946	12,250	11,779	76	94	6.253	18,025	49,110	2,725	2,254
27	45	96.560	12.088,072	147.175,274	12,175	11,704	77	95	4.496	12,001	31,085	2,590	2,119
28	46	96.338	11.166,916	135.087,202	12,097	11,626	78	96	3.133	7,744	19,084	2,464	1,993
29	47	96.094	10.313,580	123.920,286	12,015	11,544	79	97	2.111	4,830	11,340	2,348	1,877
30	48	95.840	9.524,337	113.606,706	11,928	11,457	80	98	1.373	2,909	6,510	2,238	1,767
31	49	95.567	8.793,706	104.082,368	11,836	11,365	81	99	859	1,685	3,601	2,137	1,666
32	50	95.262	8.116,310	95.288,662	11,740	11,269	82	100	517	0,938	1,916	2,042	1,571
33	51	94.943	7.489,973	87.172,352	11,639	11,167	83	101	297	0,499	0,978	1,959	1,488
34	52	94.597	6.909,833	79.682,379	11,532	11,061	84	102	163	0,254	0,478	1,882	1,411
35	53	94.220	6.372,559	72.772,546	11,420	10,949	85	103	86	0,124	0,224	1,810	1,338
36	54	93.825	5.875,731	66.399,988	11,301	10,830	86	104	43	0,058	0,100	1,735	1,264
37	55	93.393	5.415,448	60.524,257	11,176	10,705	87	105	21	0,025	0,042	1,667	1,196
38	56	92.927	4.989,280	55.108,809	11,045	10,574	88	106					
39	57	92.426	4.594,817	50.119,529	10,908	10,437	89	107					
40	58	91.872	4.228,944	45.524,712	10,765	10,294	90	108					
41	59	91.272	3.890,121	41.295,768	10,616	10,145	91	109					
42	60	90.635	3.576,845	37.405,647	10,458	9,987	92	110					
43	61	89.938	3.286,399	33.828,802	10,294	9,823	93	111					
44	62	89.210	3.018,348	30.542,402	10,119	9,648	94	112					
45	63	88.411	2.769,729	27.524,054	9,937	9,466	95						
46	64	87.539	2.539,282	24.754,325	9,749	9,278	96						
47	65	86.604	2.326,071	22.215,043	9,550	9,079	97						
48	66	85.575	2.128,173	19.888,972	9,346	8,875	98						
49	67	84.454	1.944,712	17.760,799	9,133	8,662	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -19 Jahre

Zinsfuß 8,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	19	99.352	99.351,520	1.309.301,742	13,178	12,707	50	69	82.268	1.754,062	15.308,503	8,727	8,256
1	20	98.871	91.547,068	1.209.950,221	13,217	12,746	51	70	80.816	1.595,465	13.554,442	8,496	8,025
2	21	98.800	84.704,796	1.118.403,153	13,204	12,732	52	71	79.255	1.448,740	11.958,977	8,255	7,784
3	22	98.756	78.395,391	1.033.698,357	13,186	12,715	53	72	77.513	1.311,939	10.510,237	8,011	7,540
4	23	98.711	72.555,434	955.302,966	13,167	12,695	54	73	75.637	1.185,359	9.198,298	7,760	7,289
5	24	98.672	67.154,422	882.747,533	13,145	12,674	55	74	73.593	1.067,894	8.012,939	7,503	7,032
6	25	98.632	62.154,615	815.593,110	13,122	12,651	56	75	71.379	959,052	6.945,044	7,242	6,771
7	26	98.596	57.529,702	753.438,495	13,097	12,625	57	76	68.984	858,213	5.985,993	6,975	6,504
8	27	98.556	53.246,755	695.908,793	13,070	12,598	58	77	66.408	764,961	5.127,780	6,703	6,232
9	28	98.516	49.282,322	642.662,038	13,040	12,569	59	78	63.635	678,724	4.362,819	6,428	5,957
10	29	98.477	45.613,966	593.379,716	13,009	12,538	60	79	60.632	598,796	3.684,095	6,153	5,681
11	30	98.439	42.218,823	547.765,751	12,974	12,503	61	80	57.428	525,138	3.085,299	5,875	5,404
12	31	98.393	39.073,058	505.546,927	12,939	12,467	62	81	53.974	456,996	2.560,161	5,602	5,131
13	32	98.345	36.161,111	466.473,869	12,900	12,429	63	82	50.279	394,175	2.103,165	5,336	4,865
14	33	98.297	33.466,265	430.312,758	12,858	12,387	64	83	46.350	336,457	1.708,991	5,079	4,608
15	34	98.239	30.969,186	396.846,493	12,814	12,343	65	84	42.350	284,646	1.372,534	4,822	4,351
16	35	98.170	28.654,968	365.877,307	12,768	12,297	66	85	38.264	238,136	1.087,887	4,568	4,097
17	36	98.082	26.508,637	337.222,339	12,721	12,250	67	86	34.273	197,499	849,751	4,303	3,832
18	37	97.977	24.518,721	310.713,702	12,673	12,201	68	87	30.158	160,912	652,252	4,053	3,582
19	38	97.843	22.671,389	286.194,980	12,624	12,153	69	88	25.974	128,322	491,341	3,829	3,358
20	39	97.696	20.960,447	263.523,592	12,572	12,101	70	89	21.977	100,532	363,018	3,611	3,140
21	40	97.543	19.377,547	242.563,144	12,518	12,047	71	90	18.186	77,027	262,486	3,408	2,937
22	41	97.382	17.912,508	223.185,597	12,460	11,989	72	91	14.734	57,784	185,460	3,210	2,739
23	42	97.212	16.556,768	205.273,090	12,398	11,927	73	92	11.551	41,946	127,676	3,044	2,573
24	43	97.031	15.301,749	188.716,322	12,333	11,862	74	93	8.823	29,665	85,730	2,890	2,419
25	44	96.835	14.139,628	173.414,573	12,264	11,793	75	94	6.556	20,410	56,064	2,747	2,276
26	45	96.629	13.064,461	159.274,945	12,191	11,720	76	95	4.732	13,642	35,654	2,614	2,143
27	46	96.407	12.068,900	146.210,484	12,115	11,644	77	96	3.315	8,848	22,012	2,488	2,017
28	47	96.165	11.146,860	134.141,584	12,034	11,563	78	97	2.247	5,554	13,164	2,370	1,899
29	48	95.908	10.293,524	122.994,724	11,949	11,478	79	98	1.471	3,365	7,611	2,262	1,790
30	49	95.637	9.504,146	112.701,200	11,858	11,387	80	99	928	1,966	4,245	2,159	1,688
31	50	95.337	8.772,542	103.197,053	11,764	11,293	81	100	563	1,104	2,279	2,064	1,593
32	51	95.021	8.095,803	94.424,511	11,663	11,192	82	101	327	0,595	1,175	1,976	1,505
33	52	94.680	7.469,171	86.328,708	11,558	11,087	83	102	182	0,306	0,580	1,898	1,427
34	53	94.311	6.888,943	78.859,536	11,447	10,976	84	103	97	0,150	0,275	1,826	1,355
35	54	93.923	6.352,437	71.970,594	11,330	10,859	85	104	49	0,071	0,124	1,758	1,287
36	55	93.498	5.855,294	65.618,157	11,207	10,736	86	105	24	0,032	0,054	1,689	1,218
37	56	93.039	5.394,940	59.762,863	11,078	10,607	87	106					
38	57	92.554	4.969,250	54.367,922	10,941	10,470	88	107					
39	58	92.014	4.574,310	49.398,673	10,799	10,328	89	108					
40	59	91.429	4.208,579	44.824,363	10,651	10,180	90	109					
41	60	90.808	3.870,345	40.615,784	10,494	10,023	91	110					
42	61	90.137	3.557,157	36.745,439	10,330	9,859	92	111					
43	62	89.432	3.267,906	33.188,282	10,156	9,685	93	112					
44	63	88.649	2.999,354	29.920,377	9,976	9,505	94						
45	64	87.810	2.750,890	26.921,023	9,786	9,315	95						
46	65	86.899	2.520,713	24.170,133	9,589	9,118	96						
47	66	85.897	2.307,073	21.649,420	9,384	8,913	97						
48	67	84.800	2.108,899	19.342,346	9,172	8,701	98						
49	68	83.595	1.924,944	17.233,448	8,953	8,482	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -20 Jahre

Zinsfuß 8,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	20	99.324	99.323,980	1.307.801,554	13,167	12,696	50	70	81.219	1.731,683	14.774,000	8,532	8,061
1	21	98.840	91.518,152	1.208.477,575	13,205	12,734	51	71	79.668	1.572,788	13.042,316	8,292	7,821
2	22	98.776	84.684,071	1.116.959,422	13,190	12,719	52	72	77.970	1.425,253	11.469,529	8,047	7,576
3	23	98.729	78.374,166	1.032.275,351	13,171	12,700	53	73	76.115	1.288,286	10.044,276	7,797	7,326
4	24	98.685	72.536,504	953.901,185	13,151	12,680	54	74	74.096	1.161,211	8.755,991	7,540	7,069
5	25	98.645	67.136,178	881.364,681	13,128	12,657	55	75	71.918	1.043,587	7.594,780	7,278	6,807
6	26	98.607	62.139,321	814.228,503	13,103	12,632	56	76	69.529	934,186	6.551,192	7,013	6,542
7	27	98.568	57.513,596	752.089,182	13,077	12,606	57	77	66.987	833,369	5.617,007	6,740	6,269
8	28	98.527	53.231,237	694.575,586	13,048	12,577	58	78	64.247	740,075	4.783,638	6,464	5,993
9	29	98.486	49.267,694	641.344,349	13,018	12,546	59	79	61.276	653,569	4.043,563	6,187	5,716
10	30	98.448	45.600,614	592.076,656	12,984	12,513	60	80	58.082	573,607	3.389,994	5,910	5,439
11	31	98.407	42.205,000	546.476,041	12,948	12,477	61	81	54.630	499,556	2.816,387	5,638	5,167
12	32	98.357	39.059,101	504.271,041	12,910	12,439	62	82	50.965	431,521	2.316,831	5,369	4,898
13	33	98.310	36.148,253	465.211,940	12,870	12,399	63	83	47.030	368,702	1.885,310	5,113	4,642
14	34	98.258	33.452,893	429.063,687	12,826	12,355	64	84	43.029	312,347	1.516,608	4,856	4,384
15	35	98.193	30.954,667	395.610,794	12,780	12,309	65	85	38.946	261,772	1.204,261	4,600	4,129
16	36	98.120	28.640,298	364.656,127	12,732	12,261	66	86	34.942	217,460	942,489	4,334	3,863
17	37	98.027	26.493,648	336.015,829	12,683	12,212	67	87	30.818	177,588	725,029	4,083	3,612
18	38	97.917	24.503,686	309.522,182	12,632	12,161	68	88	26.603	141,944	547,441	3,857	3,386
19	39	97.774	22.655,530	285.018,496	12,581	12,109	69	89	22.558	111,444	405,497	3,639	3,168
20	40	97.618	20.943,673	262.362,966	12,527	12,056	70	90	18.719	85,631	294,053	3,434	2,963
21	41	97.458	19.360,689	241.419,293	12,470	11,999	71	91	15.213	64,436	208,422	3,235	2,764
22	42	97.286	17.894,801	222.058,604	12,409	11,938	72	92	11.973	46,955	143,986	3,066	2,595
23	43	97.103	16.538,147	204.163,802	12,345	11,874	73	93	9.179	33,331	97,031	2,911	2,440
24	44	96.905	15.281,887	187.625,655	12,278	11,807	74	94	6.847	23,020	63,700	2,767	2,296
25	45	96.700	14.119,946	172.343,769	12,206	11,735	75	95	4.962	15,448	40,680	2,633	2,162
26	46	96.476	13.043,740	158.223,823	12,130	11,659	76	96	3.489	10,057	25,232	2,509	2,038
27	47	96.234	12.047,224	145.180,082	12,051	11,580	77	97	2.377	6,345	15,175	2,392	1,921
28	48	95.978	11.125,183	133.132,858	11,967	11,496	78	98	1.566	3,869	8,830	2,282	1,811
29	49	95.704	10.271,702	122.007,674	11,878	11,407	79	99	994	2,275	4,960	2,180	1,709
30	50	95.407	9.481,272	111.735,972	11,785	11,314	80	100	608	1,288	2,685	2,085	1,614
31	51	95.096	8.750,377	102.254,699	11,686	11,215	81	101	357	0,700	1,397	1,996	1,525
32	52	94.757	8.073,319	93.504,322	11,582	11,111	82	102	201	0,364	0,697	1,913	1,442
33	53	94.393	7.446,591	85.431,003	11,472	11,001	83	103	108	0,181	0,333	1,841	1,370
34	54	94.013	6.867,191	77.984,412	11,356	10,885	84	104	55	0,086	0,152	1,773	1,302
35	55	93.596	6.330,342	71.117,222	11,234	10,763	85	105	27	0,039	0,066	1,710	1,239
36	56	93.144	5.833,120	64.786,880	11,107	10,636	86	106					
37	57	92.666	5.373,281	58.953,759	10,972	10,501	87	107					
38	58	92.141	4.947,071	53.580,478	10,831	10,360	88	108					
39	59	91.570	4.552,282	48.633,407	10,683	10,212	89	109					
40	60	90.965	4.187,183	44.081,125	10,528	10,057	90	110					
41	61	90.308	3.849,041	39.893,942	10,365	9,894	91	111					
42	62	89.629	3.537,140	36.044,900	10,190	9,719	92	112					
43	63	88.869	3.247,341	32.507,761	10,011	9,540	93						
44	64	88.046	2.978,953	29.260,419	9,822	9,351	94						
45	65	87.167	2.730,773	26.281,467	9,624	9,153	95						
46	66	86.190	2.500,125	23.550,694	9,420	8,949	96						
47	67	85.119	2.286,179	21.050,568	9,208	8,737	97						
48	68	83.938	2.087,462	18.764,389	8,989	8,518	98						
49	69	82.639	1.902,928	16.676,927	8,764	8,293	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -21 Jahre

Zinsfuß 8,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	21	99.293	99.292,607	1.306.201,595	13,155	12,684	50	71	80.064	1.707,070	14.212,723	8,326	7,855
1	22	98.815	91.495,761	1.206.908,988	13,191	12,720	51	72	78.376	1.547,289	12.505,654	8,082	7,611
2	23	98.749	84.661,144	1.115.413,227	13,175	12,704	52	73	76.564	1.399,557	10.958,365	7,830	7,359
3	24	98.703	78.353,717	1.030.752,083	13,155	12,684	53	74	74.565	1.262,040	9.558,808	7,574	7,103
4	25	98.658	72.516,797	952.398,366	13,133	12,662	54	75	72.409	1.134,780	8.296,768	7,311	6,840
5	26	98.621	67.119,658	879.881,569	13,109	12,638	55	76	70.053	1.016,530	7.161,988	7,046	6,574
6	27	98.580	62.121,925	812.761,911	13,083	12,612	56	77	67.516	907,143	6.145,458	6,775	6,303
7	28	98.539	57.496,835	750.639,986	13,055	12,584	57	78	64.808	806,257	5.238,316	6,497	6,026
8	29	98.498	53.215,437	693.143,151	13,025	12,554	58	79	61.866	712,646	4.432,059	6,219	5,748
9	30	98.458	49.253,273	639.927,714	12,993	12,522	59	80	58.699	626,076	3.719,412	5,941	5,470
10	31	98.416	45.585,684	590.674,442	12,957	12,486	60	81	55.252	545,664	3.093,336	5,669	5,198
11	32	98.372	42.189,924	545.088,758	12,920	12,449	61	82	51.585	471,709	2.547,673	5,401	4,930
12	33	98.322	39.045,212	502.898,834	12,880	12,409	62	83	47.672	403,635	2.075,964	5,143	4,672
13	34	98.270	36.133,809	463.853,621	12,837	12,366	63	84	43.660	342,281	1.672,329	4,886	4,415
14	35	98.212	33.437,209	427.719,812	12,792	12,321	64	85	39.571	287,246	1.330,048	4,630	4,159
15	36	98.143	30.938,820	394.282,603	12,744	12,273	65	86	35.565	239,043	1.042,801	4,362	3,891
16	37	98.065	28.624,103	363.343,783	12,694	12,223	66	87	31.419	195,537	803,758	4,111	3,639
17	38	97.967	26.477,401	334.719,680	12,642	12,171	67	88	27.185	156,655	608,221	3,883	3,412
18	39	97.849	24.486,545	308.242,279	12,588	12,117	68	89	23.104	123,274	451,566	3,663	3,192
19	40	97.696	22.637,400	283.755,734	12,535	12,064	69	90	19.214	94,926	328,292	3,458	2,987
20	41	97.533	20.925,453	261.118,334	12,479	12,007	70	91	15.660	71,633	233,366	3,258	2,787
21	42	97.362	19.341,551	240.192,881	12,418	11,947	71	92	12.362	52,360	161,733	3,089	2,618
22	43	97.176	17.874,676	220.851,330	12,356	11,884	72	93	9.514	37,311	109,373	2,931	2,460
23	44	96.977	16.516,680	202.976,655	12,289	11,818	73	94	7.123	25,865	72,062	2,786	2,315
24	45	96.770	15.260,614	186.459,975	12,218	11,747	74	95	5.182	17,423	46,197	2,651	2,180
25	46	96.547	14.097,552	171.199,360	12,144	11,673	75	96	3.658	11,388	28,773	2,527	2,056
26	47	96.303	13.020,314	157.101,809	12,066	11,595	76	97	2.502	7,213	17,385	2,410	1,939
27	48	96.047	12.023,797	144.081,495	11,983	11,512	77	98	1.656	4,421	10,172	2,301	1,830
28	49	95.775	11.101,599	132.057,698	11,895	11,424	78	99	1.058	2,616	5,751	2,199	1,728
29	50	95.474	10.246,981	120.956,099	11,804	11,333	79	100	651	1,490	3,135	2,104	1,633
30	51	95.166	9.457,317	110.709,118	11,706	11,235	80	101	385	0,817	1,645	2,015	1,544
31	52	94.832	8.726,075	101.251,801	11,603	11,132	81	102	219	0,429	0,829	1,932	1,461
32	53	94.471	8.048,912	92.525,725	11,495	11,024	82	103	119	0,216	0,400	1,854	1,383
33	54	94.095	7.423,078	84.476,813	11,380	10,909	83	104	61	0,103	0,184	1,786	1,315
34	55	93.686	6.843,305	77.053,736	11,260	10,789	84	105	30	0,047	0,081	1,723	1,252
35	56	93.242	6.306,370	70.210,431	11,133	10,662	85	106					
36	57	92.770	5.809,702	63.904,061	11,000	10,528	86	107					
37	58	92.252	5.349,300	58.094,359	10,860	10,389	87	108					
38	59	91.697	4.923,248	52.745,059	10,713	10,242	88	109					
39	60	91.105	4.529,139	47.821,811	10,559	10,088	89	110					
40	61	90.464	4.164,136	43.292,672	10,397	9,926	90	111					
41	62	89.800	3.827,382	39.128,536	10,223	9,752	91	112					
42	63	89.065	3.514,881	35.301,155	10,043	9,572	92						
43	64	88.264	3.225,253	31.786,274	9,855	9,384	93						
44	65	87.402	2.957,168	28.561,021	9,658	9,187	94						
45	66	86.456	2.708,470	25.603,852	9,453	8,982	95						
46	67	85.409	2.477,483	22.895,383	9,241	8,770	96						
47	68	84.254	2.262,940	20.417,900	9,023	8,552	97						
48	69	82.978	2.063,586	18.154,960	8,798	8,327	98						
49	70	81.585	1.878,650	16.091,373	8,565	8,094	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -22 Jahre

Zinsfuß 8,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	22	99.268	99.268,313	1.304.498,016	13,141	12,670	50	72	78.766	1.679,394	13.625,020	8,113	7,642
1	23	98.789	91.470,989	1.205.229,703	13,176	12,705	51	73	76.963	1.519,393	11.945,625	7,862	7,391
2	24	98.723	84.639,055	1.113.758,714	13,159	12,688	52	74	75.004	1.371,044	10.426,232	7,605	7,134
3	25	98.676	78.332,431	1.029.119,658	13,138	12,667	53	75	72.867	1.233,314	9.055,188	7,342	6,871
4	26	98.634	72.498,953	950.787,228	13,114	12,643	54	76	70.532	1.105,358	7.821,874	7,076	6,605
5	27	98.593	67.100,867	878.288,275	13,089	12,618	55	77	68.025	987,103	6.716,516	6,804	6,333
6	28	98.551	62.103,820	811.187,408	13,062	12,591	56	78	65.319	877,631	5.729,414	6,528	6,057
7	29	98.510	57.479,769	749.083,587	13,032	12,561	57	79	62.406	776,376	4.851,783	6,249	5,778
8	30	98.469	53.199,860	691.603,818	13,000	12,529	58	80	59.264	682,668	4.075,407	5,970	5,499
9	31	98.425	49.237,146	638.403,958	12,966	12,495	59	81	55.839	595,577	3.392,739	5,697	5,226
10	32	98.381	45.569,400	589.166,812	12,929	12,458	60	82	52.172	515,246	2.797,162	5,429	4,958
11	33	98.337	42.174,922	543.597,412	12,889	12,418	61	83	48.251	441,225	2.281,915	5,172	4,701
12	34	98.283	39.029,611	501.422,490	12,847	12,376	62	84	44.256	374,711	1.840,690	4,912	4,441
13	35	98.224	36.116,869	462.392,879	12,803	12,332	63	85	40.151	314,775	1.465,979	4,657	4,186
14	36	98.161	33.420,091	426.276,010	12,755	12,284	64	86	36.135	262,306	1.151,204	4,389	3,918
15	37	98.088	30.921,325	392.855,919	12,705	12,234	65	87	31.979	214,944	888,898	4,135	3,664
16	38	98.004	28.606,550	361.934,594	12,652	12,181	66	88	27.716	172,488	673,954	3,907	3,436
17	39	97.898	26.458,880	333.328,044	12,598	12,127	67	89	23.610	136,050	501,466	3,686	3,215
18	40	97.770	24.466,950	306.869,164	12,542	12,071	68	90	19.679	105,002	365,416	3,480	3,009
19	41	97.611	22.617,705	282.402,214	12,486	12,015	69	91	16.073	79,409	260,414	3,279	2,808
20	42	97.436	20.904,768	259.784,509	12,427	11,956	70	92	12.725	58,209	181,005	3,110	2,639
21	43	97.253	19.319,798	238.879,741	12,365	11,893	71	93	9.823	41,606	122,796	2,951	2,480
22	44	97.050	17.851,474	219.559,942	12,299	11,828	72	94	7.383	28,954	81,190	2,804	2,333
23	45	96.842	16.493,689	201.708,469	12,229	11,758	73	95	5.391	19,576	52,236	2,668	2,197
24	46	96.617	15.236,411	185.214,780	12,156	11,685	74	96	3.820	12,845	32,660	2,543	2,072
25	47	96.373	14.072,233	169.978,369	12,079	11,608	75	97	2.623	8,167	19,815	2,426	1,955
26	48	96.116	12.994,994	155.906,136	11,997	11,526	76	98	1.743	5,025	11,648	2,318	1,847
27	49	95.843	11.998,307	142.911,142	11,911	11,440	77	99	1.120	2,989	6,622	2,216	1,745
28	50	95.544	11.074,880	130.912,835	11,821	11,350	78	100	693	1,714	3,633	2,120	1,649
29	51	95.233	10.221,091	119.837,954	11,725	11,254	79	101	413	0,945	1,920	2,032	1,561
30	52	94.901	9.431,051	109.616,863	11,623	11,152	80	102	236	0,500	0,975	1,949	1,478
31	53	94.545	8.699,695	100.185,812	11,516	11,045	81	103	129	0,254	0,475	1,872	1,401
32	54	94.172	8.023,497	91.486,117	11,402	10,931	82	104	68	0,123	0,221	1,799	1,328
33	55	93.768	7.397,258	83.462,620	11,283	10,812	83	105	34	0,057	0,098	1,735	1,264
34	56	93.331	6.817,390	76.065,362	11,158	10,687	84	106					
35	57	92.868	6.281,051	69.247,971	11,025	10,554	85	107					
36	58	92.356	5.783,773	62.966,920	10,887	10,416	86	108					
37	59	91.808	5.323,540	57.183,147	10,742	10,271	87	109					
38	60	91.231	4.898,219	51.859,608	10,587	10,116	88	110					
39	61	90.604	4.504,209	46.961,388	10,426	9,955	89	111					
40	62	89.955	4.140,703	42.457,179	10,254	9,783	90	112					
41	63	89.235	3.803,296	38.316,476	10,075	9,603	91						
42	64	88.459	3.490,973	34.513,179	9,886	9,415	92						
43	65	87.619	3.201,668	31.022,206	9,689	9,218	93						
44	66	86.688	2.933,016	27.820,539	9,485	9,014	94						
45	67	85.673	2.683,940	24.887,523	9,273	8,802	95						
46	68	84.541	2.452,299	22.203,583	9,054	8,583	96						
47	69	83.290	2.237,058	19.751,283	8,829	8,358	97						
48	70	81.919	2.037,259	17.514,226	8,597	8,126	98						
49	71	80.425	1.851,947	15.476,967	8,357	7,886	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -23 Jahre

Zinsfuß 8,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	23	99.241	99.241,437	1.302.674,846	13,126	12,655	50	73	77.346	1.649,116	13.012,177	7,890	7,419
1	24	98.763	91.447,123	1.203.433,409	13,160	12,689	51	74	75.395	1.488,439	11.363,061	7,634	7,163
2	25	98.696	84.616,061	1.111.986,285	13,142	12,671	52	75	73.297	1.339,837	9.874,621	7,370	6,899
3	26	98.652	78.313,156	1.027.370,224	13,119	12,648	53	76	70.978	1.201,337	8.534,784	7,104	6,633
4	27	98.606	72.478,656	949.057,069	13,094	12,623	54	77	68.490	1.073,359	7.333,447	6,832	6,361
5	28	98.564	67.081,312	876.578,412	13,067	12,596	55	78	65.812	954,990	6.260,088	6,555	6,084
6	29	98.522	62.085,387	809.497,100	13,038	12,567	56	79	62.899	845,104	5.305,098	6,277	5,806
7	30	98.481	57.462,944	747.411,714	13,007	12,536	57	80	59.781	743,717	4.459,994	5,997	5,526
8	31	98.437	53.182,441	689.948,770	12,973	12,502	58	81	56.377	649,412	3.716,277	5,723	5,251
9	32	98.390	49.219,558	636.766,328	12,937	12,466	59	82	52.727	562,377	3.066,865	5,453	4,982
10	33	98.346	45.553,197	587.546,770	12,898	12,427	60	83	48.801	481,949	2.504,488	5,197	4,726
11	34	98.297	42.158,070	541.993,574	12,856	12,385	61	84	44.794	409,608	2.022,539	4,938	4,467
12	35	98.237	39.011,313	499.835,503	12,813	12,342	62	85	40.699	344,599	1.612,931	4,681	4,210
13	36	98.174	36.098,379	460.824,190	12,766	12,295	63	86	36.665	287,445	1.268,332	4,412	3,941
14	37	98.106	33.401,193	424.725,811	12,716	12,245	64	87	32.492	235,862	980,887	4,159	3,688
15	38	98.028	30.902,364	391.324,618	12,663	12,192	65	88	28.210	189,607	745,025	3,929	3,458
16	39	97.936	28.586,539	360.422,255	12,608	12,137	66	89	24.070	149,801	555,418	3,708	3,237
17	40	97.820	26.437,706	331.835,715	12,552	12,081	67	90	20.110	115,884	405,617	3,500	3,029
18	41	97.685	24.445,664	305.398,009	12,493	12,022	68	91	16.463	87,838	289,733	3,298	2,827
19	42	97.515	22.595,348	280.952,345	12,434	11,963	69	92	13.061	64,528	201,895	3,129	2,658
20	43	97.327	20.881,257	258.356,997	12,373	11,902	70	93	10.111	46,254	137,367	2,970	2,499
21	44	97.126	19.294,721	237.475,740	12,308	11,837	71	94	7.623	32,287	91,114	2,822	2,351
22	45	96.915	17.826,625	218.181,020	12,239	11,768	72	95	5.588	21,914	58,827	2,684	2,213
23	46	96.689	16.467,530	200.354,395	12,167	11,696	73	96	3.974	14,432	36,913	2,558	2,087
24	47	96.443	15.209,047	183.886,865	12,091	11,620	74	97	2.740	9,212	22,481	2,440	1,969
25	48	96.186	14.044,867	168.677,819	12,010	11,539	75	98	1.828	5,691	13,269	2,332	1,861
26	49	95.912	12.967,446	154.632,952	11,925	11,454	76	99	1.179	3,397	7,579	2,231	1,760
27	50	95.613	11.969,431	141.665,506	11,836	11,365	77	100	734	1,958	4,181	2,136	1,665
28	51	95.303	11.046,898	129.696,075	11,740	11,269	78	101	440	1,086	2,223	2,047	1,576
29	52	94.968	10.192,705	118.649,177	11,641	11,170	79	102	253	0,579	1,137	1,964	1,493
30	53	94.615	9.402,539	108.456,473	11,535	11,064	80	103	140	0,296	0,558	1,887	1,416
31	54	94.247	8.672,225	99.053,933	11,422	10,951	81	104	74	0,145	0,262	1,814	1,343
32	55	93.845	7.995,589	90.381,708	11,304	10,833	82	105	37	0,067	0,118	1,746	1,275
33	56	93.413	7.369,246	82.386,118	11,180	10,709	83	106					
34	57	92.956	6.790,020	75.016,873	11,048	10,577	84	107					
35	58	92.453	6.253,018	68.226,852	10,911	10,440	85	108					
36	59	91.912	5.755,920	61.973,834	10,767	10,296	86	109					
37	60	91.341	5.296,476	56.217,913	10,614	10,143	87	110					
38	61	90.729	4.871,258	50.921,437	10,453	9,982	88	111					
39	62	90.094	4.478,863	46.050,179	10,282	9,811	89	112					
40	63	89.389	4.114,646	41.571,316	10,103	9,632	90						
41	64	88.628	3.777,427	37.456,670	9,916	9,445	91						
42	65	87.813	3.465,444	33.679,244	9,719	9,248	92						
43	66	86.903	3.175,518	30.213,799	9,515	9,044	93						
44	67	85.903	2.906,453	27.038,281	9,303	8,832	94						
45	68	84.802	2.656,658	24.131,828	9,084	8,612	95						
46	69	83.574	2.424,251	21.475,170	8,858	8,387	96						
47	70	82.228	2.208,517	19.050,919	8,626	8,155	97						
48	71	80.755	2.008,302	16.842,402	8,386	7,915	98						
49	72	79.121	1.821,923	14.834,100	8,142	7,671	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -24 Jahre

Zinsfuß 8,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	24	99.216	99.215,545	1.300.725,293	13,110	12,639	50	74	75.770	1.615,520	12.375,112	7,660	7,189
1	25	98.736	91.422,279	1.201.509,748	13,142	12,671	51	75	73.679	1.454,560	10.759,593	7,397	6,926
2	26	98.672	84.595,240	1.110.087,469	13,122	12,651	52	76	71.397	1.305,098	9.305,033	7,130	6,659
3	27	98.624	78.291,231	1.025.492,229	13,098	12,627	53	77	68.923	1.166,561	7.999,934	6,858	6,387
4	28	98.578	72.457,534	947.200,998	13,072	12,601	54	78	66.262	1.038,440	6.833,374	6,580	6,109
5	29	98.535	67.061,401	874.743,464	13,044	12,573	55	79	63.373	919,596	5.794,934	6,302	5,831
6	30	98.493	62.067,214	807.682,064	13,013	12,542	56	80	60.253	809,554	4.875,338	6,022	5,551
7	31	98.449	57.444,130	745.614,850	12,980	12,509	57	81	56.869	707,487	4.065,784	5,747	5,276
8	32	98.402	53.163,444	688.170,720	12,944	12,473	58	82	53.234	613,211	3.358,297	5,477	5,006
9	33	98.355	49.202,057	635.007,276	12,906	12,435	59	83	49.319	526,034	2.745,085	5,218	4,747
10	34	98.307	45.534,995	585.805,219	12,865	12,394	60	84	45.304	447,414	2.219,051	4,960	4,489
11	35	98.251	42.138,306	540.270,224	12,821	12,350	61	85	41.194	376,691	1.771,638	4,703	4,232
12	36	98.187	38.991,341	498.131,919	12,775	12,304	62	86	37.166	314,679	1.394,947	4,433	3,962
13	37	98.118	36.077,967	459.140,578	12,726	12,255	63	87	32.969	258,466	1.080,268	4,180	3,708
14	38	98.046	33.380,711	423.062,611	12,674	12,203	64	88	28.662	208,059	821,801	3,950	3,479
15	39	97.959	30.880,747	389.681,900	12,619	12,148	65	89	24.499	164,669	613,742	3,727	3,256
16	40	97.857	28.563,663	358.801,153	12,561	12,090	66	90	20.503	127,597	449,073	3,519	3,048
17	41	97.735	26.414,706	330.237,490	12,502	12,031	67	91	16.823	96,942	321,477	3,316	2,845
18	42	97.589	24.421,500	303.822,785	12,441	11,970	68	92	13.378	71,377	224,535	3,146	2,675
19	43	97.405	22.569,936	279.401,285	12,379	11,908	69	93	10.379	51,274	153,158	2,987	2,516
20	44	97.200	20.854,153	256.831,349	12,316	11,845	70	94	7.846	35,893	101,884	2,839	2,367
21	45	96.991	19.267,862	235.977,197	12,247	11,776	71	95	5.769	24,436	65,990	2,700	2,229
22	46	96.761	17.798,351	216.709,334	12,176	11,705	72	96	4.119	16,155	41,554	2,572	2,101
23	47	96.515	16.437,954	198.910,983	12,101	11,630	73	97	2.850	10,350	25,398	2,454	1,983
24	48	96.256	15.179,470	182.473,029	12,021	11,550	74	98	1.909	6,418	15,048	2,345	1,874
25	49	95.982	14.015,093	167.293,558	11,937	11,466	75	99	1.236	3,847	8,630	2,243	1,772
26	50	95.681	12.936,237	153.278,465	11,849	11,378	76	100	772	2,225	4,783	2,149	1,678
27	51	95.371	11.939,188	140.342,229	11,755	11,284	77	101	465	1,241	2,557	2,061	1,589
28	52	95.038	11.016,218	128.403,040	11,656	11,185	78	102	269	0,666	1,316	1,978	1,507
29	53	94.681	10.161,890	117.386,822	11,552	11,081	79	103	150	0,342	0,651	1,901	1,430
30	54	94.316	9.372,851	107.224,932	11,440	10,969	80	104	80	0,169	0,308	1,828	1,357
31	55	93.919	8.642,061	97.852,082	11,323	10,852	81	105	40	0,079	0,140	1,760	1,289
32	56	93.490	7.965,311	89.210,021	11,200	10,729	82	106					
33	57	93.038	7.339,661	81.244,709	11,069	10,598	83	107					
34	58	92.541	6.759,716	73.905,049	10,933	10,462	84	108					
35	59	92.008	6.222,906	67.145,333	10,790	10,319	85	109					
36	60	91.444	5.726,658	60.922,427	10,638	10,167	86	110					
37	61	90.838	5.267,323	55.195,768	10,479	10,008	87	111					
38	62	90.218	4.843,846	49.928,445	10,308	9,837	88	112					
39	63	89.527	4.450,678	45.084,599	10,130	9,659	89						
40	64	88.781	4.086,659	40.633,922	9,943	9,472	90						
41	65	87.980	3.749,803	36.547,263	9,746	9,275	91						
42	66	87.095	3.437,141	32.797,460	9,542	9,071	92						
43	67	86.116	3.146,759	29.360,319	9,330	8,859	93						
44	68	85.030	2.876,909	26.213,560	9,112	8,641	94						
45	69	83.832	2.626,272	23.336,651	8,886	8,415	95						
46	70	82.508	2.393,322	20.710,379	8,653	8,182	96						
47	71	81.059	2.177,126	18.317,057	8,413	7,942	97						
48	72	79.446	1.975,743	16.139,931	8,169	7,698	98						
49	73	77.695	1.789,076	14.164,188	7,917	7,446	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = -25 Jahre

Zinsfuß 8,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0	25	99.189	99.188,590	1.298.638,169	13,093	12,622	50	75	74.046	1.578,748	11.715,611	7,421	6,950
1	26	98.712	91.399,783	1.199.449,579	13,123	12,652	51	76	71.769	1.416,847	10.136,863	7,155	6,683
2	27	98.644	84.571,556	1.108.049,796	13,102	12,631	52	77	69.330	1.267,318	8.720,016	6,881	6,410
3	28	98.596	78.268,414	1.023.478,239	13,077	12,605	53	78	66.681	1.128,609	7.452,698	6,603	6,132
4	29	98.548	72.436,027	945.209,825	13,049	12,578	54	79	63.806	999,953	6.324,089	6,324	5,853
5	30	98.506	67.041,771	872.773,798	13,018	12,547	55	80	60.707	880,912	5.324,135	6,044	5,573
6	31	98.461	62.046,892	805.732,027	12,986	12,515	56	81	57.317	770,117	4.443,223	5,770	5,298
7	32	98.414	57.423,610	743.685,135	12,951	12,480	57	82	53.699	668,049	3.673,106	5,498	5,027
8	33	98.367	53.144,540	686.261,525	12,913	12,442	58	83	49.794	573,583	3.005,057	5,239	4,768
9	34	98.316	49.182,397	633.116,984	12,873	12,402	59	84	45.785	488,340	2.431,474	4,979	4,508
10	35	98.261	45.513,647	583.934,587	12,830	12,359	60	85	41.663	411,459	1.943,135	4,723	4,252
11	36	98.201	42.116,733	538.420,940	12,784	12,313	61	86	37.617	343,985	1.531,676	4,453	3,982
12	37	98.131	38.969,293	496.304,207	12,736	12,265	62	87	33.419	282,955	1.187,691	4,197	3,726
13	38	98.058	36.055,843	457.334,915	12,684	12,213	63	88	29.082	227,999	904,736	3,968	3,497
14	39	97.977	33.357,361	421.279,072	12,629	12,158	64	89	24.892	180,694	676,737	3,745	3,274
15	40	97.881	30.856,034	387.921,711	12,572	12,101	65	90	20.868	140,261	496,043	3,537	3,066
16	41	97.772	28.538,813	357.065,677	12,512	12,041	66	91	17.151	106,739	355,783	3,333	2,862
17	42	97.638	26.388,595	328.526,864	12,450	11,979	67	92	13.670	78,775	249,043	3,161	2,690
18	43	97.479	24.394,034	302.138,269	12,386	11,915	68	93	10.630	56,717	170,268	3,002	2,531
19	44	97.279	22.540,640	277.744,235	12,322	11,851	69	94	8.054	39,789	113,551	2,854	2,383
20	45	97.065	20.825,124	255.203,596	12,255	11,784	70	95	5.939	27,166	73,762	2,715	2,244
21	46	96.837	19.237,303	234.378,472	12,184	11,712	71	96	4.253	18,015	46,596	2,586	2,115
22	47	96.588	17.766,386	215.141,169	12,109	11,638	72	97	2.954	11,586	28,581	2,467	1,996
23	48	96.327	16.405,988	197.374,783	12,031	11,560	73	98	1.986	7,211	16,995	2,357	1,886
24	49	96.052	15.147,291	180.968,795	11,947	11,476	74	99	1.290	4,339	9,783	2,255	1,784
25	50	95.751	13.981,362	165.821,504	11,860	11,389	75	100	809	2,520	5,444	2,160	1,689
26	51	95.439	12.903,552	151.840,141	11,767	11,296	76	101	489	1,411	2,924	2,073	1,602
27	52	95.106	11.906,030	138.936,590	11,669	11,198	77	102	285	0,760	1,513	1,990	1,519
28	53	94.751	10.982,914	127.030,559	11,566	11,095	78	103	159	0,394	0,753	1,913	1,442
29	54	94.382	10.129,803	116.047,645	11,456	10,985	79	104	85	0,195	0,359	1,841	1,370
30	55	93.988	9.340,250	105.917,842	11,340	10,869	80	105	44	0,093	0,164	1,772	1,301
31	56	93.563	8.609,335	96.577,593	11,218	10,747	81	106					
32	57	93.114	7.933,333	87.968,258	11,088	10,617	82	107					
33	58	92.623	7.306,903	80.034,925	10,953	10,482	83	108					
34	59	92.096	6.727,164	72.728,022	10,811	10,340	84	109					
35	60	91.540	6.191,270	66.000,858	10,660	10,189	85	110					
36	61	90.941	5.695,138	59.809,588	10,502	10,031	86	111					
37	62	90.327	5.237,682	54.114,451	10,332	9,861	87	112					
38	63	89.650	4.813,364	48.876,769	10,154	9,683	88						
39	64	88.918	4.420,405	44.063,404	9,968	9,497	89						
40	65	88.131	4.056,774	39.643,000	9,772	9,301	90						
41	66	87.261	3.719,177	35.586,226	9,568	9,097	91						
42	67	86.307	3.406,012	31.867,049	9,356	8,885	92						
43	68	85.241	3.114,772	28.461,037	9,137	8,666	93						
44	69	84.057	2.844,004	25.346,265	8,912	8,441	94						
45	70	82.762	2.592,766	22.502,261	8,679	8,208	95						
46	71	81.335	2.359,304	19.909,495	8,439	7,968	96						
47	72	79.745	2.141,830	17.550,191	8,194	7,723	97						
48	73	78.013	1.940,122	15.408,361	7,942	7,471	98						
49	74	76.112	1.752,628	13.468,239	7,685	7,214	99						
							100						

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 1 Jahr

Zinsfuß 8,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	49	91.859	1.958,547	21.217,797	10,833	10,362
1	0	99.544	92.170,157	1.225.648,235	13,298	12,827	51	50	91.184	1.800,140	19.259,250	10,699	10,228
2	1	99.126	84.984,350	1.133.478,078	13,337	12,866	52	51	90.482	1.653,971	17.459,111	10,556	10,085
3	2	99.070	78.645,195	1.048.493,728	13,332	12,861	53	52	89.702	1.518,245	15.805,139	10,410	9,939
4	3	99.033	72.791,946	969.848,533	13,324	12,853	54	53	88.868	1.392,723	14.286,894	10,258	9,787
5	4	99.002	67.379,344	897.056,587	13,314	12,842	55	54	87.986	1.276,758	12.894,172	10,099	9,628
6	5	98.976	62.371,681	829.677,243	13,302	12,831	56	55	87.024	1.169,253	11.617,414	9,936	9,465
7	6	98.952	57.737,277	767.305,562	13,290	12,819	57	56	86.015	1.070,095	10.448,161	9,764	9,293
8	7	98.930	53.448,915	709.568,285	13,276	12,805	58	57	84.929	978,312	9.378,066	9,586	9,115
9	8	98.910	49.479,542	656.119,370	13,260	12,789	59	58	83.744	893,207	8.399,754	9,404	8,933
10	9	98.891	45.805,706	606.639,828	13,244	12,773	60	59	82.465	814,410	7.506,546	9,217	8,746
11	10	98.875	42.405,965	560.834,122	13,225	12,754	61	60	81.122	741,803	6.692,136	9,021	8,550
12	11	98.853	39.255,809	518.428,156	13,206	12,735	62	61	79.706	674,869	5.950,333	8,817	8,346
13	12	98.831	36.339,816	479.172,348	13,186	12,715	63	62	78.190	612,993	5.275,464	8,606	8,135
14	13	98.809	33.640,758	442.832,532	13,164	12,693	64	63	76.575	555,864	4.662,471	8,388	7,917
15	14	98.782	31.140,086	409.191,774	13,140	12,669	65	64	74.854	503,121	4.106,607	8,162	7,691
16	15	98.747	28.823,252	378.051,689	13,116	12,645	66	65	73.005	454,347	3.603,486	7,931	7,460
17	16	98.691	26.673,208	349.228,437	13,093	12,622	67	66	71.024	409,272	3.149,139	7,694	7,223
18	17	98.620	24.679,669	322.555,229	13,070	12,599	68	67	68.873	367,479	2.739,868	7,456	6,985
19	18	98.524	22.829,188	297.875,560	13,048	12,577	69	68	66.561	328,838	2.372,388	7,214	6,743
20	19	98.416	21.115,038	275.046,371	13,026	12,555	70	69	64.105	293,246	2.043,550	6,969	6,498
21	20	98.314	19.530,682	253.931,333	13,002	12,531	71	70	61.483	260,415	1.750,305	6,721	6,250
22	21	98.206	18.064,078	234.400,651	12,976	12,505	72	71	58.700	230,213	1.489,889	6,472	6,001
23	22	98.108	16.709,298	216.336,573	12,947	12,476	73	72	55.716	202,321	1.259,676	6,226	5,755
24	23	98.009	15.455,919	199.627,275	12,916	12,445	74	73	52.589	176,823	1.057,355	5,980	5,509
25	24	97.912	14.296,921	184.171,356	12,882	12,411	75	74	49.330	153,580	880,532	5,733	5,262
26	25	97.814	13.224,613	169.874,435	12,845	12,374	76	75	45.979	132,541	726,953	5,485	5,014
27	26	97.720	12.233,244	156.649,822	12,805	12,334	77	76	42.552	113,578	594,411	5,233	4,762
28	27	97.623	11.315,808	144.416,578	12,762	12,291	78	77	39.059	96,531	480,833	4,981	4,510
29	28	97.522	10.466,848	133.100,770	12,716	12,245	79	78	35.494	81,224	384,302	4,731	4,260
30	29	97.425	9.681,834	122.633,922	12,666	12,195	80	79	31.903	67,597	303,079	4,484	4,013
31	30	97.325	8.955,490	112.952,088	12,613	12,142	81	80	28.289	55,501	235,482	4,243	3,772
32	31	97.217	8.282,860	103.996,597	12,556	12,085	82	81	24.702	44,873	179,981	4,011	3,540
33	32	97.102	7.660,294	95.713,738	12,495	12,024	83	82	21.136	35,550	135,108	3,800	3,329
34	33	96.983	7.084,123	88.053,444	12,430	11,959	84	83	17.755	27,652	99,558	3,600	3,129
35	34	96.851	6.550,490	80.969,321	12,361	11,890	85	84	14.665	21,148	71,906	3,400	2,929
36	35	96.705	6.056,081	74.418,831	12,288	11,817	86	85	11.920	15,915	50,757	3,189	2,718
37	36	96.546	5.598,285	68.362,750	12,211	11,740	87	86	9.443	11,674	34,842	2,984	2,513
38	37	96.375	5.174,407	62.764,465	12,130	11,659	88	87	7.216	8,260	23,167	2,805	2,334
39	38	96.183	4.781,581	57.590,059	12,044	11,573	89	88	5.312	5,630	14,907	2,648	2,177
40	39	95.968	4.417,474	52.808,477	11,954	11,483	90	89	3.784	3,713	9,277	2,498	2,027
41	40	95.726	4.079,942	48.391,003	11,861	11,390	91	90	2.598	2,361	5,564	2,357	1,886
42	41	95.461	3.767,267	44.311,061	11,762	11,291	92	91	1.711	1,439	3,203	2,225	1,754
43	42	95.156	3.477,077	40.543,794	11,660	11,189	93	92	1.071	0,834	1,764	2,114	1,643
44	43	94.814	3.207,933	37.066,717	11,555	11,084	94	93	640	0,462	0,929	2,013	1,542
45	44	94.436	2.958,495	33.858,784	11,445	10,974	95	94	365	0,244	0,468	1,921	1,450
46	45	94.015	2.727,116	30.900,289	11,331	10,860	96	95	197	0,122	0,224	1,837	1,366
47	46	93.547	2.512,546	28.173,173	11,213	10,742	97	96	101	0,058	0,102	1,760	1,289
48	47	93.029	2.313,549	25.660,627	11,091	10,620	98	97	49	0,026	0,044	1,690	1,219
49	48	92.469	2.129,281	23.347,078	10,965	10,494	99	98	23	0,011	0,018	1,626	1,155
							100	99	10	0,004	0,007	1,567	1,096

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 2 Jahre

Zinsfuß 8,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	48	92.054	1.962,707	21.344,881	10,875	10,404
1							51	49	91.404	1.804,483	19.382,173	10,741	10,270
2	0	99.504	85.308,260	1.134.152,474	13,295	12,824	52	50	90.711	1.658,161	17.577,690	10,601	10,130
3	1	99.106	78.673,371	1.048.844,214	13,332	12,861	53	51	89.952	1.522,473	15.919,530	10,456	9,985
4	2	99.052	72.806,341	970.170,843	13,325	12,854	54	52	89.138	1.396,946	14.397,056	10,306	9,835
5	3	99.019	67.390,911	897.364,502	13,316	12,845	55	53	88.265	1.280,802	13.000,110	10,150	9,679
6	4	98.989	62.379,738	829.973,591	13,305	12,834	56	54	87.328	1.173,334	11.719,308	9,988	9,517
7	5	98.964	57.744,826	767.593,853	13,293	12,822	57	55	86.342	1.074,163	10.545,974	9,818	9,347
8	6	98.939	53.453,841	709.849,028	13,280	12,809	58	56	85.271	982,256	9.471,811	9,643	9,172
9	7	98.918	49.483,852	656.395,187	13,265	12,794	59	57	84.119	897,212	8.489,556	9,462	8,991
10	8	98.901	45.810,104	606.911,335	13,248	12,777	60	58	82.864	818,351	7.592,344	9,278	8,807
11	9	98.882	42.408,705	561.101,232	13,231	12,760	61	59	81.536	745,593	6.773,993	9,085	8,614
12	10	98.861	39.259,110	518.692,526	13,212	12,741	62	60	80.147	678,605	6.028,400	8,884	8,412
13	11	98.840	36.343,224	479.433,416	13,192	12,721	63	61	78.633	616,462	5.349,795	8,678	8,207
14	12	98.818	33.643,615	443.090,192	13,170	12,699	64	62	77.060	559,384	4.733,333	8,462	7,991
15	13	98.791	31.143,103	409.446,577	13,147	12,676	65	63	75.367	506,566	4.173,949	8,240	7,769
16	14	98.758	28.826,611	378.303,474	13,123	12,652	66	64	73.543	457,694	3.667,383	8,013	7,542
17	15	98.709	26.677,974	349.476,863	13,100	12,629	67	65	71.609	412,642	3.209,689	7,778	7,307
18	16	98.641	24.684,897	322.798,889	13,077	12,606	68	66	69.502	370,838	2.797,047	7,543	7,071
19	17	98.546	22.834,212	298.113,992	13,056	12,585	69	67	67.245	332,215	2.426,209	7,303	6,832
20	18	98.445	21.121,113	275.279,780	13,033	12,562	70	68	64.847	296,639	2.093,994	7,059	6,588
21	19	98.341	19.536,098	254.158,667	13,010	12,539	71	69	62.277	263,781	1.797,356	6,814	6,343
22	20	98.237	18.069,785	234.622,570	12,984	12,513	72	70	59.547	233,532	1.533,575	6,567	6,096
23	21	98.132	16.713,387	216.552,784	12,957	12,486	73	71	56.634	205,656	1.300,043	6,321	5,850
24	22	98.035	15.460,105	199.839,397	12,926	12,455	74	72	53.555	180,069	1.094,387	6,078	5,607
25	23	97.938	14.300,652	184.379,292	12,893	12,422	75	73	50.356	156,774	914,318	5,832	5,361
26	24	97.840	13.228,207	170.078,640	12,857	12,386	76	74	47.050	135,629	757,545	5,585	5,114
27	25	97.744	12.236,255	156.850,433	12,819	12,347	77	75	43.685	116,601	621,916	5,334	4,863
28	26	97.650	11.318,977	144.614,178	12,776	12,305	78	76	40.223	99,409	505,315	5,083	4,612
29	27	97.551	10.469,899	133.295,201	12,731	12,260	79	77	36.688	83,955	405,906	4,835	4,364
30	28	97.454	9.684,709	122.825,302	12,682	12,211	80	78	33.131	70,199	321,951	4,586	4,115
31	29	97.354	8.958,112	113.140,593	12,630	12,159	81	79	29.532	57,938	251,753	4,345	3,874
32	30	97.248	8.285,572	104.182,481	12,574	12,103	82	80	25.967	47,170	193,814	4,109	3,638
33	31	97.137	7.663,031	95.896,908	12,514	12,043	83	81	22.383	37,649	146,644	3,895	3,424
34	32	97.017	7.086,643	88.233,877	12,451	11,980	84	82	18.982	29,563	108,995	3,687	3,216
35	33	96.890	6.553,108	81.147,234	12,383	11,912	85	83	15.797	22,781	79,432	3,487	3,016
36	34	96.750	6.058,921	74.594,126	12,311	11,840	86	84	12.961	17,306	56,652	3,273	2,802
37	35	96.595	5.601,152	68.535,204	12,236	11,765	87	85	10.341	12,784	39,345	3,078	2,607
38	36	96.429	5.177,334	62.934,052	12,156	11,685	88	86	8.025	9,186	26,561	2,891	2,420
39	37	96.242	4.784,515	57.756,718	12,072	11,601	89	87	6.022	6,383	17,375	2,722	2,251
40	38	96.035	4.420,566	52.972,203	11,983	11,512	90	88	4.357	4,276	10,992	2,571	2,100
41	39	95.802	4.083,210	48.551,636	11,891	11,420	91	89	3.050	2,771	6,716	2,423	1,952
42	40	95.544	3.770,548	44.468,426	11,794	11,323	92	90	2.045	1,721	3,945	2,292	1,821
43	41	95.250	3.480,517	40.697,879	11,693	11,222	93	91	1.317	1,026	2,224	2,167	1,696
44	42	94.920	3.211,545	37.217,362	11,589	11,118	94	92	805	0,581	1,198	2,061	1,590
45	43	94.559	2.962,340	34.005,816	11,479	11,008	95	93	470	0,314	0,617	1,965	1,494
46	44	94.146	2.730,918	31.043,476	11,367	10,896	96	94	261	0,161	0,303	1,877	1,406
47	45	93.696	2.516,537	28.312,559	11,251	10,780	97	95	137	0,079	0,141	1,797	1,325
48	46	93.197	2.317,712	25.796,022	11,130	10,659	98	96	69	0,036	0,063	1,723	1,252
49	47	92.649	2.133,430	23.478,310	11,005	10,534	99	97	32	0,016	0,026	1,656	1,185
							100	98	14	0,007	0,010	1,596	1,124

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 3 Jahre

Zinsfuß 8,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	47	92.234	1.966,532	21.462,145	10,914	10,443
1							51	48	91.598	1.808,316	19.495,614	10,781	10,310
2							52	49	90.930	1.662,161	17.687,297	10,641	10,170
3	0	99.484	78.973,227	1.049.464,181	13,289	12,818	53	50	90.179	1.526,330	16.025,136	10,499	10,028
4	1	99.088	72.832,425	970.490,954	13,325	12,854	54	51	89.386	1.400,837	14.498,807	10,350	9,879
5	2	99.039	67.404,238	897.658,529	13,318	12,846	55	52	88.533	1.284,686	13.097,970	10,195	9,724
6	3	99.006	62.390,447	830.254,291	13,307	12,836	56	53	87.604	1.177,051	11.813,284	10,036	9,565
7	4	98.977	57.752,285	767.863,844	13,296	12,825	57	54	86.644	1.077,912	10.636,234	9,867	9,396
8	5	98.952	53.460,829	710.111,559	13,283	12,812	58	55	85.595	985,989	9.558,321	9,694	9,223
9	6	98.928	49.488,412	656.650,730	13,269	12,798	59	56	84.459	900,828	8.572,332	9,516	9,045
10	7	98.909	45.814,093	607.162,318	13,253	12,782	60	57	83.235	822,019	7.671,504	9,333	8,861
11	8	98.891	42.412,777	561.348,225	13,235	12,764	61	58	81.931	749,201	6.849,484	9,142	8,671
12	9	98.868	39.261,647	518.935,448	13,217	12,746	62	59	80.557	682,072	6.100,283	8,944	8,473
13	10	98.848	36.346,281	479.673,801	13,197	12,726	63	60	79.068	619,874	5.418,211	8,741	8,270
14	11	98.827	33.646,770	443.327,520	13,176	12,705	64	61	77.496	562,550	4.798,336	8,530	8,059
15	12	98.800	31.145,748	409.680,750	13,154	12,683	65	62	75.844	509,774	4.235,787	8,309	7,838
16	13	98.768	28.829,404	378.535,002	13,130	12,659	66	63	74.047	460,828	3.726,013	8,085	7,614
17	14	98.720	26.681,083	349.705,598	13,107	12,636	67	64	72.136	415,682	3.265,184	7,855	7,384
18	15	98.659	24.689,308	323.024,514	13,084	12,613	68	65	70.075	373,892	2.849,503	7,621	7,150
19	16	98.567	22.839,049	298.335,206	13,063	12,591	69	66	67.859	335,251	2.475,611	7,384	6,913
20	17	98.466	21.125,761	275.496,157	13,041	12,570	70	67	65.513	299,685	2.140,360	7,142	6,671
21	18	98.370	19.541,718	254.370,397	13,017	12,546	71	68	62.998	266,833	1.840,675	6,898	6,427
22	19	98.264	18.074,796	234.828,679	12,992	12,521	72	69	60.316	236,550	1.573,842	6,653	6,182
23	20	98.163	16.718,668	216.753,883	12,965	12,494	73	70	57.450	208,621	1.337,292	6,410	5,939
24	21	98.059	15.463,888	200.035,215	12,936	12,465	74	71	54.437	183,036	1.128,671	6,166	5,695
25	22	97.964	14.304,525	184.571,327	12,903	12,432	75	72	51.281	159,652	945,635	5,923	5,452
26	23	97.866	13.231,659	170.266,802	12,868	12,397	76	73	48.028	138,449	785,983	5,677	5,206
27	24	97.771	12.239,580	157.035,143	12,830	12,359	77	74	44.703	119,317	647,534	5,427	4,956
28	25	97.674	11.321,763	144.795,563	12,789	12,318	78	75	41.294	102,055	528,217	5,176	4,705
29	26	97.578	10.472,831	133.473,800	12,745	12,274	79	76	37.782	86,458	426,162	4,929	4,458
30	27	97.482	9.687,532	123.000,969	12,697	12,226	80	77	34.245	72,559	339,704	4,682	4,211
31	28	97.383	8.960,772	113.313,436	12,645	12,174	81	78	30.668	60,168	267,145	4,440	3,969
32	29	97.277	8.287,998	104.352,664	12,591	12,120	82	79	27.107	49,242	206,977	4,203	3,732
33	30	97.169	7.665,541	96.064,666	12,532	12,061	83	80	23.529	39,577	157,735	3,986	3,515
34	31	97.052	7.089,175	88.399,125	12,470	11,999	84	81	20.102	31,308	118,158	3,774	3,303
35	32	96.924	6.555,439	81.309,950	12,403	11,932	85	82	16.889	24,355	86,850	3,566	3,095
36	33	96.789	6.061,343	74.754,510	12,333	11,862	86	83	13.962	18,642	62,496	3,352	2,881
37	34	96.641	5.603,779	68.693,167	12,258	11,787	87	84	11.244	13,902	43,854	3,155	2,684
38	35	96.479	5.179,986	63.089,388	12,179	11,708	88	85	8.788	10,060	29,952	2,977	2,506
39	36	96.296	4.787,222	57.909,401	12,097	11,626	89	86	6.697	7,098	19,892	2,802	2,331
40	37	96.094	4.423,279	53.122,179	12,010	11,539	90	87	4.939	4,847	12,794	2,639	2,168
41	38	95.869	4.086,068	48.698,900	11,918	11,447	91	88	3.511	3,191	7,947	2,490	2,019
42	39	95.620	3.773,567	44.612,832	11,822	11,351	92	89	2.401	2,020	4,756	2,354	1,883
43	40	95.333	3.483,548	40.839,265	11,723	11,252	93	90	1.575	1,227	2,736	2,230	1,759
44	41	95.014	3.214,723	37.355,717	11,620	11,149	94	91	991	0,715	1,509	2,110	1,639
45	42	94.666	2.965,675	34.140,994	11,512	11,041	95	92	591	0,395	0,794	2,010	1,538
46	43	94.268	2.734,467	31.175,319	11,401	10,930	96	93	336	0,208	0,399	1,918	1,447
47	44	93.826	2.520,045	28.440,851	11,286	10,815	97	94	182	0,104	0,191	1,834	1,363
48	45	93.345	2.321,393	25.920,807	11,166	10,695	98	95	93	0,049	0,087	1,758	1,287
49	46	92.816	2.137,268	23.599,413	11,042	10,571	99	96	45	0,022	0,037	1,688	1,217
							100	97	21	0,009	0,015	1,624	1,153

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 4 Jahre

Zinsfuß 8,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	46	92.399	1.970,070	21.570,308	10,949	10,478
1							51	47	91.776	1.811,840	19.600,238	10,818	10,347
2							52	48	91.123	1.665,692	17.788,398	10,679	10,208
3							53	49	90.397	1.530,012	16.122,706	10,538	10,067
4	0	99.465	73.110,019	971.060,827	13,282	12,811	54	50	89.613	1.404,385	14.592,694	10,391	9,920
5	1	99.074	67.428,387	897.950,808	13,317	12,846	55	51	88.779	1.288,264	13.188,309	10,237	9,766
6	2	99.025	62.402,785	830.522,421	13,309	12,838	56	52	87.870	1.180,620	11.900,045	10,079	9,608
7	3	98.994	57.762,199	768.119,636	13,298	12,827	57	53	86.918	1.081,327	10.719,426	9,913	9,442
8	4	98.965	53.467,735	710.357,437	13,286	12,815	58	54	85.894	989,431	9.638,099	9,741	9,270
9	5	98.940	49.494,882	656.889,702	13,272	12,801	59	55	84.780	904,253	8.648,668	9,564	9,093
10	6	98.918	45.818,315	607.394,820	13,257	12,786	60	56	83.571	825,333	7.744,416	9,383	8,912
11	7	98.900	42.416,471	561.576,505	13,240	12,769	61	57	82.298	752,560	6.919,083	9,194	8,723
12	8	98.877	39.265,416	519.160,034	13,222	12,751	62	58	80.947	685,373	6.166,522	8,997	8,526
13	9	98.855	36.348,629	479.894,618	13,203	12,732	63	59	79.472	623,042	5.481,150	8,797	8,326
14	10	98.835	33.649,600	443.545,988	13,181	12,710	64	60	77.925	565,663	4.858,108	8,588	8,117
15	11	98.809	31.148,669	409.896,388	13,159	12,688	65	61	76.273	512,659	4.292,445	8,373	7,902
16	12	98.776	28.831,853	378.747,719	13,136	12,665	66	62	74.516	463,747	3.779,786	8,151	7,679
17	13	98.730	26.683,669	349.915,866	13,113	12,642	67	63	72.630	418,528	3.316,039	7,923	7,452
18	14	98.670	24.692,185	323.232,197	13,090	12,619	68	64	70.591	376,646	2.897,511	7,693	7,222
19	15	98.584	22.843,130	298.540,012	13,069	12,598	69	65	68.418	338,012	2.520,865	7,458	6,987
20	16	98.487	21.130,236	275.696,882	13,048	12,576	70	66	66.112	302,424	2.182,853	7,218	6,747
21	17	98.391	19.546,018	254.566,646	13,024	12,553	71	67	63.645	269,573	1.880,429	6,976	6,505
22	18	98.293	18.079,995	235.020,628	12,999	12,528	72	68	61.014	239,287	1.610,856	6,732	6,261
23	19	98.190	16.723,304	216.940,633	12,972	12,501	73	69	58.193	211,317	1.371,570	6,491	6,020
24	20	98.090	15.468,774	200.217,329	12,943	12,472	74	70	55.222	185,676	1.160,253	6,249	5,778
25	21	97.988	14.308,026	184.748,555	12,912	12,441	75	71	52.126	162,283	974,577	6,005	5,534
26	22	97.893	13.235,242	170.440,529	12,878	12,407	76	72	48.910	140,991	812,294	5,761	5,290
27	23	97.796	12.242,774	157.205,286	12,841	12,370	77	73	45.632	121,799	671,303	5,512	5,041
28	24	97.701	11.324,840	144.962,512	12,800	12,329	78	74	42.256	104,432	549,505	5,262	4,791
29	25	97.602	10.475,408	133.637,672	12,757	12,286	79	75	38.787	88,759	445,073	5,014	4,543
30	26	97.510	9.690,245	123.162,264	12,710	12,239	80	76	35.266	74,722	356,314	4,769	4,297
31	27	97.411	8.963,384	113.472,019	12,660	12,188	81	77	31.700	62,191	281,592	4,528	4,057
32	28	97.306	8.290,459	104.508,634	12,606	12,135	82	78	28.150	51,137	219,400	4,290	3,819
33	29	97.197	7.667,786	96.218,175	12,548	12,077	83	79	24.563	41,315	168,263	4,073	3,602
34	30	97.084	7.091,497	88.550,390	12,487	12,016	84	80	21.132	32,911	126,948	3,857	3,386
35	31	96.959	6.557,782	81.458,893	12,422	11,951	85	81	17.886	25,792	94,037	3,646	3,175
36	32	96.823	6.063,499	74.901,111	12,353	11,882	86	82	14.926	19,930	68,245	3,424	2,953
37	33	96.679	5.606,019	68.837,611	12,279	11,808	87	83	12.112	14,975	48,315	3,226	2,755
38	34	96.524	5.182,416	63.231,592	12,201	11,730	88	84	9.556	10,939	33,340	3,048	2,577
39	35	96.346	4.789,674	58.049,176	12,120	11,649	89	85	7.333	7,773	22,401	2,882	2,411
40	36	96.148	4.425,781	53.259,502	12,034	11,563	90	86	5.493	5,391	14,628	2,714	2,243
41	37	95.928	4.088,575	48.833,720	11,944	11,473	91	87	3.981	3,617	9,237	2,554	2,083
42	38	95.687	3.776,209	44.745,145	11,849	11,378	92	88	2.765	2,326	5,620	2,416	1,945
43	39	95.409	3.486,338	40.968,936	11,751	11,280	93	89	1.849	1,440	3,294	2,287	1,816
44	40	95.097	3.217,522	37.482,598	11,650	11,178	94	90	1.185	0,855	1,853	2,168	1,697
45	41	94.759	2.968,610	34.265,076	11,542	11,071	95	91	728	0,486	0,999	2,055	1,584
46	42	94.374	2.737,546	31.296,466	11,432	10,961	96	92	423	0,262	0,513	1,959	1,488
47	43	93.948	2.523,320	28.558,920	11,318	10,847	97	93	234	0,134	0,251	1,872	1,401
48	44	93.475	2.324,629	26.035,600	11,200	10,729	98	94	123	0,065	0,117	1,792	1,321
49	45	92.963	2.140,663	23.710,971	11,076	10,605	99	95	61	0,030	0,052	1,720	1,249
							100	96	29	0,013	0,022	1,654	1,182

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 5 Jahre

Zinsfuß 8,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	45	92.546	1.973,199	21.669,902	10,982	10,511
1							51	46	91.942	1.815,100	19.696,703	10,852	10,381
2							52	47	91.301	1.668,938	17.881,604	10,714	10,243
3							53	48	90.589	1.533,262	16.212,666	10,574	10,103
4							54	49	89.829	1.407,773	14.679,403	10,427	9,956
5	0	99.452	67.685,384	898.474,599	13,274	12,803	55	50	89.004	1.291,527	13.271,630	10,276	9,805
6	1	99.061	62.425,142	830.789,215	13,309	12,838	56	51	88.115	1.183,908	11.980,104	10,119	9,648
7	2	99.014	57.773,622	768.364,073	13,300	12,829	57	52	87.182	1.084,606	10.796,196	9,954	9,483
8	3	98.982	53.476,914	710.590,451	13,288	12,817	58	53	86.166	992,565	9.711,590	9,784	9,313
9	4	98.953	49.501,275	657.113,537	13,275	12,804	59	54	85.076	907,409	8.719,025	9,609	9,138
10	5	98.931	45.824,306	607.612,262	13,260	12,789	60	55	83.888	828,470	7.811,616	9,429	8,958
11	6	98.909	42.420,380	561.787,956	13,243	12,772	61	56	82.630	755,594	6.983,146	9,242	8,771
12	7	98.886	39.268,836	519.367,576	13,226	12,755	62	57	81.310	688,445	6.227,553	9,046	8,575
13	8	98.864	36.352,119	480.098,740	13,207	12,736	63	58	79.856	626,056	5.539,107	8,848	8,377
14	9	98.842	33.651,774	443.746,621	13,186	12,715	64	59	78.323	568,554	4.913,051	8,641	8,170
15	10	98.817	31.151,289	410.094,847	13,165	12,694	65	60	76.695	515,496	4.344,497	8,428	7,957
16	11	98.786	28.834,557	378.943,558	13,142	12,671	66	61	74.938	466,371	3.829,001	8,210	7,739
17	12	98.738	26.685,935	350.109,001	13,120	12,649	67	62	73.090	421,179	3.362,630	7,984	7,513
18	13	98.680	24.694,578	323.423,066	13,097	12,626	68	63	71.074	379,225	2.941,451	7,756	7,285
19	14	98.596	22.845,793	298.728,488	13,076	12,605	69	64	68.922	340,502	2.562,226	7,525	7,054
20	15	98.505	21.134,012	275.882,695	13,054	12,583	70	65	66.656	304,914	2.221,724	7,286	6,815
21	16	98.412	19.550,158	254.748,684	13,031	12,559	71	66	64.226	272,036	1.916,809	7,046	6,575
22	17	98.314	18.083,974	235.198,526	13,006	12,535	72	67	61.641	241,744	1.644,773	6,804	6,333
23	18	98.219	16.728,115	217.114,551	12,979	12,508	73	68	58.866	213,762	1.403,029	6,564	6,092
24	19	98.117	15.473,063	200.386,437	12,951	12,480	74	69	55.936	188,075	1.189,267	6,323	5,852
25	20	98.019	14.312,546	184.913,373	12,920	12,449	75	70	52.878	164,623	1.001,192	6,082	5,611
26	21	97.916	13.238,481	170.600,827	12,887	12,416	76	71	49.716	143,315	836,569	5,837	5,366
27	22	97.823	12.246,090	157.362,345	12,850	12,379	77	72	46.470	124,035	693,255	5,589	5,118
28	23	97.726	11.327,795	145.116,255	12,811	12,340	78	73	43.134	106,603	569,220	5,340	4,869
29	24	97.629	10.478,255	133.788,460	12,768	12,297	79	74	39.691	90,826	462,616	5,093	4,622
30	25	97.534	9.692,630	123.310,205	12,722	12,251	80	75	36.204	76,711	371,790	4,847	4,376
31	26	97.438	8.965,894	113.617,575	12,672	12,201	81	76	32.645	64,045	295,079	4,607	4,136
32	27	97.334	8.292,876	104.651,680	12,619	12,148	82	77	29.097	52,857	231,033	4,371	3,900
33	28	97.226	7.670,062	96.358,804	12,563	12,092	83	78	25.508	42,905	178,177	4,153	3,682
34	29	97.112	7.093,573	88.688,742	12,503	12,032	84	79	22.060	34,356	135,272	3,937	3,466
35	30	96.991	6.559,930	81.595,169	12,438	11,967	85	80	18.802	27,113	100,915	3,722	3,251
36	31	96.858	6.065,666	75.035,239	12,370	11,899	86	81	15.807	21,107	73,802	3,497	3,026
37	32	96.714	5.608,013	68.969,573	12,298	11,827	87	82	12.949	16,009	52,695	3,292	2,821
38	33	96.563	5.184,487	63.361,560	12,221	11,750	88	83	10.293	11,783	36,686	3,113	2,642
39	34	96.391	4.791,921	58.177,072	12,141	11,670	89	84	7.974	8,452	24,903	2,946	2,475
40	35	96.197	4.428,048	53.385,151	12,056	11,585	90	85	6.015	5,903	16,451	2,787	2,316
41	36	95.982	4.090,888	48.957,103	11,967	11,496	91	86	4.427	4,023	10,547	2,622	2,151
42	37	95.746	3.778,526	44.866,214	11,874	11,403	92	87	3.134	2,637	6,524	2,474	2,003
43	38	95.476	3.488,778	41.087,688	11,777	11,306	93	88	2.129	1,659	3,887	2,344	1,873
44	39	95.173	3.220,099	37.598,910	11,676	11,205	94	89	1.391	1,003	2,229	2,221	1,750
45	40	94.842	2.971,195	34.378,811	11,571	11,100	95	90	870	0,581	1,225	2,109	1,638
46	41	94.468	2.740,255	31.407,616	11,462	10,991	96	91	521	0,322	0,644	2,001	1,530
47	42	94.054	2.526,161	28.667,361	11,348	10,877	97	92	295	0,169	0,322	1,911	1,440
48	43	93.596	2.327,651	26.141,200	11,231	10,760	98	93	159	0,084	0,154	1,828	1,357
49	44	93.093	2.143,647	23.813,550	11,109	10,638	99	94	81	0,040	0,070	1,752	1,281
							100	95	39	0,018	0,030	1,683	1,212

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 6 Jahre

Zinsfuß 8,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	44	92.675	1.975,950	21.761,446	11,013	10,542
1							51	45	92.088	1.817,983	19.785,496	10,883	10,412
2							52	46	91.465	1.671,941	17.967,513	10,747	10,275
3							53	47	90.766	1.536,250	16.295,573	10,607	10,136
4							54	48	90.020	1.410,764	14.759,323	10,462	9,991
5							55	49	89.219	1.294,643	13.348,559	10,311	9,840
6	0	99.438	62.663,070	831.270,614	13,266	12,795	56	50	88.338	1.186,907	12.053,916	10,156	9,685
7	1	99.049	57.794,321	768.607,545	13,299	12,828	57	51	87.425	1.087,626	10.867,010	9,991	9,520
8	2	99.002	53.487,489	710.813,224	13,289	12,818	58	52	86.427	995,575	9.779,384	9,823	9,352
9	3	98.970	49.509,773	657.325,735	13,277	12,806	59	53	85.345	910,283	8.783,809	9,650	9,178
10	4	98.944	45.830,225	607.815,961	13,262	12,791	60	54	84.181	831,362	7.873,526	9,471	9,000
11	5	98.922	42.425,926	561.985,737	13,246	12,775	61	55	82.944	758,466	7.042,164	9,285	8,814
12	6	98.895	39.272,455	519.559,811	13,230	12,759	62	56	81.637	691,220	6.283,698	9,091	8,620
13	7	98.873	36.355,285	480.287,356	13,211	12,740	63	57	80.214	628,863	5.592,478	8,893	8,422
14	8	98.851	33.655,005	443.932,071	13,191	12,720	64	58	78.702	571,305	4.963,615	8,688	8,217
15	9	98.824	31.153,302	410.277,066	13,170	12,699	65	59	77.087	518,130	4.392,310	8,477	8,006
16	10	98.794	28.836,982	379.123,764	13,147	12,676	66	60	75.352	468,952	3.874,179	8,261	7,790
17	11	98.748	26.688,438	350.286,782	13,125	12,654	67	61	73.504	423,562	3.405,227	8,039	7,568
18	12	98.688	24.696,675	323.598,344	13,103	12,632	68	62	71.524	381,627	2.981,665	7,813	7,342
19	13	98.605	22.848,006	298.901,669	13,082	12,611	69	63	69.394	342,834	2.600,038	7,584	7,113
20	14	98.516	21.136,474	276.053,662	13,061	12,589	70	64	67.147	307,161	2.257,204	7,349	6,878
21	15	98.430	19.553,652	254.917,188	13,037	12,566	71	65	64.755	274,277	1.950,043	7,110	6,639
22	16	98.335	18.087,805	235.363,536	13,012	12,541	72	66	62.204	243,954	1.675,767	6,869	6,398
23	17	98.240	16.731,796	217.275,731	12,986	12,515	73	67	59.470	215,957	1.431,813	6,630	6,159
24	18	98.146	15.477,514	200.543,935	12,957	12,486	74	68	56.583	190,251	1.215,856	6,391	5,920
25	19	98.046	14.316,515	185.066,421	12,927	12,456	75	69	53.561	166,750	1.025,605	6,151	5,680
26	20	97.947	13.242,664	170.749,906	12,894	12,423	76	70	50.433	145,381	858,855	5,908	5,437
27	21	97.846	12.249,087	157.507,241	12,859	12,388	77	71	47.236	126,079	713,474	5,659	5,188
28	22	97.753	11.330,863	145.258,155	12,820	12,349	78	72	43.926	108,561	587,395	5,411	4,940
29	23	97.654	10.480,990	133.927,291	12,778	12,307	79	73	40.516	92,715	478,835	5,165	4,694
30	24	97.560	9.695,264	123.446,302	12,733	12,262	80	74	37.048	78,498	386,119	4,919	4,448
31	25	97.462	8.968,101	113.751,037	12,684	12,213	81	75	33.514	65,750	307,621	4,679	4,208
32	26	97.361	8.295,198	104.782,936	12,632	12,161	82	76	29.964	54,432	241,871	4,444	3,972
33	27	97.254	7.672,298	96.487,738	12,576	12,105	83	77	26.366	44,348	187,439	4,227	3,756
34	28	97.141	7.095,680	88.815,440	12,517	12,046	84	78	22.909	35,679	143,091	4,011	3,539
35	29	97.019	6.561,850	81.719,760	12,454	11,983	85	79	19.627	28,304	107,412	3,795	3,324
36	30	96.889	6.067,653	75.157,910	12,387	11,916	86	80	16.617	22,187	79,109	3,565	3,094
37	31	96.748	5.610,017	69.090,257	12,316	11,844	87	81	13.714	16,954	56,921	3,357	2,886
38	32	96.597	5.186,332	63.480,240	12,240	11,769	88	82	11.004	12,597	39,967	3,173	2,702
39	33	96.429	4.793,837	58.293,908	12,160	11,689	89	83	8.590	9,105	27,369	3,006	2,535
40	34	96.242	4.430,125	53.500,072	12,076	11,605	90	84	6.540	6,419	18,265	2,845	2,374
41	35	96.032	4.092,984	49.069,946	11,989	11,518	91	85	4.848	4,405	11,846	2,689	2,218
42	36	95.800	3.780,664	44.976,963	11,897	11,426	92	86	3.485	2,933	7,440	2,537	2,066
43	37	95.535	3.490,919	41.196,299	11,801	11,330	93	87	2.413	1,880	4,507	2,397	1,926
44	38	95.240	3.222,353	37.705,380	11,701	11,230	94	88	1.602	1,155	2,627	2,274	1,803
45	39	94.918	2.973,574	34.483,027	11,596	11,125	95	89	1.021	0,682	1,472	2,158	1,687
46	40	94.550	2.742,641	31.509,452	11,489	11,018	96	90	622	0,385	0,790	2,052	1,581
47	41	94.147	2.528,661	28.766,812	11,376	10,905	97	91	363	0,208	0,405	1,949	1,478
48	42	93.702	2.330,271	26.238,151	11,260	10,789	98	92	199	0,106	0,197	1,864	1,393
49	43	93.214	2.146,433	23.907,879	11,138	10,667	99	93	104	0,051	0,091	1,785	1,314
							100	94	52	0,023	0,040	1,714	1,242

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 7 Jahre

Zinsfuß 8,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	43	92.796	1.978,518	21.845,604	11,041	10,570
1							51	44	92.216	1.820,517	19.867,086	10,913	10,442
2							52	45	91.611	1.674,597	18.046,569	10,777	10,306
3							53	46	90.929	1.539,014	16.371,972	10,638	10,167
4							54	47	90.195	1.413,513	14.832,959	10,494	10,023
5							55	48	89.408	1.297,393	13.419,446	10,343	9,872
6							56	49	88.551	1.189,770	12.122,053	10,189	9,718
7	0	99.427	58.014,598	769.049,964	13,256	12,785	57	50	87.646	1.090,381	10.932,283	10,026	9,555
8	1	99.037	53.506,652	711.035,366	13,289	12,818	58	51	86.668	998,347	9.841,902	9,858	9,387
9	2	98.990	49.519,564	657.528,713	13,278	12,807	59	52	85.604	913,043	8.843,554	9,686	9,215
10	3	98.961	45.838,093	608.009,149	13,264	12,793	60	53	84.448	833,995	7.930,511	9,509	9,038
11	4	98.935	42.431,406	562.171,056	13,249	12,778	61	54	83.234	761,113	7.096,516	9,324	8,853
12	5	98.908	39.277,589	519.739,650	13,232	12,761	62	55	81.948	693,848	6.335,402	9,131	8,660
13	6	98.882	36.358,635	480.462,061	13,215	12,743	63	56	80.538	631,398	5.641,555	8,935	8,464
14	7	98.860	33.657,936	444.103,426	13,195	12,724	64	57	79.055	573,866	5.010,157	8,731	8,259
15	8	98.833	31.156,293	410.445,490	13,174	12,703	65	58	77.460	520,638	4.436,290	8,521	8,050
16	9	98.800	28.838,846	379.289,197	13,152	12,681	66	59	75.737	471,349	3.915,653	8,307	7,836
17	10	98.756	26.690,682	350.450,351	13,130	12,659	67	60	73.910	425,907	3.444,304	8,087	7,616
18	11	98.698	24.698,991	323.759,669	13,108	12,637	68	61	71.929	383,787	3.018,398	7,865	7,394
19	12	98.614	22.849,947	299.060,677	13,088	12,617	69	62	69.834	345,005	2.634,611	7,636	7,165
20	13	98.526	21.138,523	276.210,731	13,067	12,596	70	63	67.607	309,264	2.289,606	7,403	6,932
21	14	98.441	19.555,931	255.072,208	13,043	12,572	71	64	65.232	276,297	1.980,342	7,167	6,696
22	15	98.353	18.091,037	235.516,277	13,018	12,547	72	65	62.716	245,962	1.704,045	6,928	6,457
23	16	98.261	16.735,340	217.425,240	12,992	12,521	73	66	60.014	217,931	1.458,083	6,691	6,220
24	17	98.167	15.480,921	200.689,900	12,964	12,493	74	67	57.164	192,205	1.240,152	6,452	5,981
25	18	98.075	14.320,634	185.208,979	12,933	12,462	75	68	54.181	168,679	1.047,947	6,213	5,742
26	19	97.975	13.246,336	170.888,346	12,901	12,430	76	69	51.085	147,260	879,268	5,971	5,500
27	20	97.877	12.252,957	157.642,009	12,866	12,395	77	70	47.917	127,897	732,008	5,723	5,252
28	21	97.776	11.333,636	145.389,053	12,828	12,357	78	71	44.650	110,350	604,111	5,475	5,003
29	22	97.681	10.483,828	134.055,416	12,787	12,316	79	72	41.260	94,417	493,761	5,230	4,759
30	23	97.586	9.697,794	123.571,588	12,742	12,271	80	73	37.818	80,130	399,344	4,984	4,513
31	24	97.489	8.970,538	113.873,794	12,694	12,223	81	74	34.294	67,282	319,214	4,744	4,273
32	25	97.385	8.297,240	104.903,256	12,643	12,172	82	75	30.762	55,881	251,932	4,508	4,037
33	26	97.282	7.674,447	96.606,016	12,588	12,117	83	76	27.152	45,670	196,051	4,293	3,822
34	27	97.169	7.097,748	88.931,569	12,530	12,059	84	77	23.679	36,878	150,381	4,078	3,607
35	28	97.048	6.563,799	81.833,821	12,467	11,996	85	78	20.383	29,393	113,503	3,862	3,390
36	29	96.918	6.069,429	75.270,022	12,401	11,930	86	79	17.347	23,162	84,109	3,631	3,160
37	30	96.780	5.611,855	69.200,593	12,331	11,860	87	80	14.416	17,823	60,948	3,420	2,949
38	31	96.631	5.188,185	63.588,738	12,256	11,785	88	81	11.654	13,341	43,125	3,233	2,761
39	32	96.464	4.795,542	58.400,553	12,178	11,707	89	82	9.183	9,734	29,784	3,060	2,589
40	33	96.281	4.431,896	53.605,011	12,095	11,624	90	83	7.045	6,915	20,050	2,900	2,429
41	34	96.077	4.094,904	49.173,115	12,008	11,537	91	84	5.272	4,790	13,136	2,742	2,271
42	35	95.849	3.782,600	45.078,212	11,917	11,446	92	85	3.817	3,212	8,345	2,599	2,127
43	36	95.589	3.492,894	41.295,611	11,823	11,352	93	86	2.684	2,091	5,134	2,455	1,984
44	37	95.298	3.224,331	37.802,717	11,724	11,253	94	87	1.816	1,310	3,043	2,323	1,852
45	38	94.984	2.975,656	34.578,387	11,620	11,149	95	88	1.176	0,785	1,733	2,206	1,735
46	39	94.626	2.744,837	31.602,731	11,514	11,042	96	89	731	0,452	0,947	2,097	1,625
47	40	94.229	2.530,863	28.857,894	11,402	10,931	97	90	433	0,248	0,495	1,996	1,525
48	41	93.794	2.332,577	26.327,031	11,287	10,816	98	91	245	0,130	0,247	1,900	1,429
49	42	93.319	2.148,850	23.994,454	11,166	10,695	99	92	131	0,064	0,117	1,818	1,347
							100	93	66	0,030	0,053	1,744	1,273

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 8 Jahre

Zinsfuß 8,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	42	92.900	1.980,746	21.922,823	11,068	10,597
1							51	43	92.336	1.822,883	19.942,077	10,940	10,469
2							52	44	91.738	1.676,931	18.119,194	10,805	10,334
3							53	45	91.073	1.541,459	16.442,263	10,667	10,196
4							54	46	90.357	1.416,056	14.900,805	10,523	10,052
5							55	47	89.583	1.299,921	13.484,749	10,374	9,902
6							56	48	88.739	1.192,298	12.184,828	10,220	9,749
7							57	49	87.858	1.093,012	10.992,530	10,057	9,586
8	0	99.415	53.710,588	711.441,944	13,246	12,775	58	50	86.888	1.000,876	9.899,518	9,891	9,420
9	1	99.025	49.537,306	657.731,356	13,277	12,806	59	51	85.842	915,586	8.898,642	9,719	9,248
10	2	98.981	45.847,157	608.194,051	13,266	12,795	60	52	84.704	836,524	7.983,056	9,543	9,072
11	3	98.952	42.438,690	562.346,893	13,251	12,780	61	53	83.497	763,524	7.146,532	9,360	8,889
12	4	98.920	39.282,663	519.908,203	13,235	12,764	62	54	82.234	696,270	6.383,008	9,167	8,696
13	5	98.895	36.363,389	480.625,540	13,217	12,746	63	55	80.844	633,798	5.686,738	8,972	8,501
14	6	98.869	33.661,038	444.262,151	13,198	12,727	64	56	79.374	576,179	5.052,940	8,770	8,299
15	7	98.842	31.159,006	410.601,113	13,178	12,707	65	57	77.808	522,972	4.476,761	8,560	8,089
16	8	98.810	28.841,614	379.442,107	13,156	12,685	66	58	76.104	473,629	3.953,789	8,348	7,877
17	9	98.762	26.692,407	350.600,493	13,135	12,664	67	59	74.288	428,083	3.480,160	8,130	7,659
18	10	98.706	24.701,069	323.908,086	13,113	12,642	68	60	72.327	385,911	3.052,077	7,909	7,438
19	11	98.623	22.852,090	299.207,017	13,093	12,622	69	61	70.229	346,957	2.666,166	7,684	7,213
20	12	98.534	21.140,318	276.354,927	13,072	12,601	70	62	68.035	311,223	2.319,209	7,452	6,981
21	13	98.451	19.557,826	255.214,609	13,049	12,578	71	63	65.679	278,189	2.007,986	7,218	6,747
22	14	98.364	18.093,145	235.656,783	13,025	12,554	72	64	63.178	247,774	1.729,797	6,981	6,510
23	15	98.279	16.738,331	217.563,638	12,998	12,527	73	65	60.508	219,725	1.482,022	6,745	6,274
24	16	98.188	15.484,200	200.825,307	12,970	12,499	74	66	57.686	193,961	1.262,297	6,508	6,037
25	17	98.096	14.323,785	185.341,107	12,939	12,468	75	67	54.737	170,412	1.068,336	6,269	5,798
26	18	98.003	13.250,147	171.017,322	12,907	12,436	76	68	51.676	148,963	897,924	6,028	5,557
27	19	97.905	12.256,354	157.767,175	12,872	12,401	77	69	48.536	129,549	748,961	5,781	5,310
28	20	97.807	11.337,217	145.510,821	12,835	12,364	78	70	45.294	111,941	619,411	5,533	5,062
29	21	97.705	10.486,394	134.173,604	12,795	12,324	79	71	41.940	95,973	507,470	5,288	4,817
30	22	97.612	9.700,421	123.687,210	12,751	12,280	80	72	38.512	81,602	411,497	5,043	4,572
31	23	97.514	8.972,879	113.986,789	12,703	12,232	81	73	35.007	68,681	329,895	4,803	4,332
32	24	97.412	8.299,495	105.013,910	12,653	12,182	82	74	31.478	57,183	261,214	4,568	4,097
33	25	97.306	7.676,336	96.714,415	12,599	12,128	83	75	27.875	46,885	204,031	4,352	3,881
34	26	97.196	7.099,736	89.038,079	12,541	12,070	84	76	24.385	37,978	157,146	4,138	3,667
35	27	97.076	6.565,712	81.938,344	12,480	12,009	85	77	21.068	30,382	119,168	3,922	3,451
36	28	96.946	6.071,231	75.372,632	12,415	11,944	86	78	18.014	24,053	88,787	3,691	3,220
37	29	96.808	5.613,498	69.301,400	12,345	11,874	87	79	15.049	18,605	64,733	3,479	3,008
38	30	96.663	5.189,884	63.687,902	12,272	11,801	88	80	12.251	14,024	46,128	3,289	2,818
39	31	96.498	4.797,255	58.498,018	12,194	11,723	89	81	9.725	10,308	32,104	3,114	2,643
40	32	96.315	4.433,473	53.700,763	12,113	11,642	90	82	7.532	7,392	21,796	2,948	2,477
41	33	96.115	4.096,540	49.267,290	12,027	11,556	91	83	5.678	5,160	14,403	2,791	2,320
42	34	95.894	3.784,375	45.170,750	11,936	11,465	92	84	4.150	3,492	9,243	2,647	2,176
43	35	95.638	3.494,683	41.386,375	11,843	11,372	93	85	2.939	2,290	5,751	2,511	2,040
44	36	95.352	3.226,155	37.891,692	11,745	11,274	94	86	2.019	1,457	3,461	2,376	1,905
45	37	95.043	2.977,482	34.665,537	11,643	11,172	95	87	1.333	0,890	2,004	2,251	1,780
46	38	94.692	2.746,759	31.688,056	11,537	11,065	96	88	841	0,520	1,114	2,141	1,670
47	39	94.305	2.532,890	28.941,297	11,426	10,955	97	89	509	0,291	0,594	2,038	1,567
48	40	93.876	2.334,608	26.408,407	11,312	10,841	98	90	293	0,156	0,302	1,943	1,472
49	41	93.411	2.150,976	24.073,799	11,192	10,721	99	91	161	0,079	0,147	1,852	1,381
							100	92	84	0,038	0,067	1,775	1,304

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 9 Jahre

Zinsfuß 8,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	41	92.992	1.982,706	21.993,577	11,093	10,622
1							51	42	92.440	1.824,936	20.010,872	10,965	10,494
2							52	43	91.857	1.679,110	18.185,936	10,831	10,360
3							53	44	91.200	1.543,607	16.506,826	10,694	10,223
4							54	45	90.501	1.418,305	14.963,218	10,550	10,079
5							55	46	89.744	1.302,260	13.544,913	10,401	9,930
6							56	47	88.912	1.194,621	12.242,653	10,248	9,777
7							57	48	88.044	1.095,334	11.048,032	10,086	9,615
8							58	49	87.097	1.003,291	9.952,699	9,920	9,449
9	0	99.403	49.726,112	658.104,990	13,235	12,764	59	50	86.060	917,905	8.949,408	9,750	9,279
10	1	99.016	45.863,583	608.378,877	13,265	12,794	60	51	84.940	838,854	8.031,502	9,574	9,103
11	2	98.971	42.447,083	562.515,294	13,252	12,781	61	52	83.750	765,839	7.192,648	9,392	8,921
12	3	98.937	39.289,407	520.068,211	13,237	12,766	62	53	82.494	698,475	6.426,809	9,201	8,730
13	4	98.908	36.368,086	480.778,805	13,220	12,749	63	54	81.126	636,010	5.728,334	9,007	8,536
14	5	98.882	33.665,439	444.410,719	13,201	12,730	64	55	79.676	578,370	5.092,324	8,805	8,334
15	6	98.851	31.161,878	410.745,280	13,181	12,710	65	56	78.121	525,080	4.513,954	8,597	8,126
16	7	98.818	28.844,126	379.583,402	13,160	12,689	66	57	76.445	475,753	3.988,874	8,384	7,913
17	8	98.772	26.694,970	350.739,276	13,139	12,668	67	58	74.648	430,154	3.513,122	8,167	7,696
18	9	98.712	24.702,665	324.044,306	13,118	12,647	68	59	72.697	387,883	3.082,967	7,948	7,477
19	10	98.631	22.854,012	299.341,641	13,098	12,627	69	60	70.617	348,878	2.695,085	7,725	7,254
20	11	98.543	21.142,301	276.487,630	13,077	12,606	70	61	68.420	312,984	2.346,207	7,496	7,025
21	12	98.459	19.559,487	255.345,329	13,055	12,584	71	62	66.095	279,951	2.033,223	7,263	6,792
22	13	98.374	18.094,899	235.785,842	13,031	12,559	72	63	63.611	249,471	1.753,272	7,028	6,557
23	14	98.290	16.740,281	217.690,943	13,004	12,533	73	64	60.954	221,344	1.503,801	6,794	6,323
24	15	98.206	15.486,967	200.950,662	12,975	12,504	74	65	58.161	195,559	1.282,457	6,558	6,087
25	16	98.117	14.326,819	185.463,695	12,945	12,474	75	66	55.237	171,969	1.086,898	6,320	5,849
26	17	98.024	13.253,063	171.136,876	12,913	12,442	76	67	52.206	150,493	914,929	6,080	5,608
27	18	97.933	12.259,880	157.883,813	12,878	12,407	77	68	49.098	131,048	764,436	5,833	5,362
28	19	97.834	11.340,361	145.623,933	12,841	12,370	78	69	45.879	113,387	633,388	5,586	5,115
29	20	97.735	10.489,707	134.283,572	12,801	12,330	79	70	42.545	97,357	520,000	5,341	4,870
30	21	97.636	9.702,795	123.793,865	12,759	12,288	80	71	39.147	82,946	422,643	5,095	4,624
31	22	97.541	8.975,309	114.091,070	12,712	12,241	81	72	35.650	69,942	339,697	4,857	4,386
32	23	97.437	8.301,661	105.115,761	12,662	12,191	82	73	32.133	58,372	269,755	4,621	4,150
33	24	97.332	7.678,422	96.814,100	12,609	12,138	83	74	28.524	47,977	211,383	4,406	3,935
34	25	97.220	7.101,483	89.135,679	12,552	12,081	84	75	25.034	38,989	163,406	4,191	3,720
35	26	97.104	6.567,551	82.034,195	12,491	12,020	85	76	21.696	31,287	124,417	3,977	3,506
36	27	96.975	6.073,001	75.466,645	12,427	11,956	86	77	18.620	24,862	93,129	3,746	3,275
37	28	96.837	5.615,165	69.393,644	12,358	11,887	87	78	15.628	19,321	68,267	3,533	3,062
38	29	96.691	5.191,404	63.778,479	12,285	11,814	88	79	12.789	14,640	48,946	3,343	2,872
39	30	96.530	4.798,827	58.587,075	12,209	11,738	89	80	10.223	10,836	34,306	3,166	2,695
40	31	96.349	4.435,057	53.788,249	12,128	11,657	90	81	7.977	7,829	23,470	2,998	2,527
41	32	96.149	4.097,998	49.353,192	12,043	11,572	91	82	6.071	5,517	15,641	2,835	2,364
42	33	95.932	3.785,887	45.255,194	11,954	11,483	92	83	4.471	3,762	10,124	2,691	2,220
43	34	95.683	3.496,322	41.469,307	11,861	11,390	93	84	3.196	2,490	6,363	2,555	2,084
44	35	95.401	3.227,807	37.972,985	11,764	11,293	94	85	2.211	1,595	3,873	2,428	1,957
45	36	95.096	2.979,166	34.745,177	11,663	11,192	95	86	1.482	0,990	2,277	2,300	1,829
46	37	94.750	2.748,444	31.766,011	11,558	11,087	96	87	954	0,590	1,287	2,182	1,711
47	38	94.371	2.534,663	29.017,567	11,448	10,977	97	88	586	0,336	0,697	2,079	1,608
48	39	93.951	2.336,478	26.482,904	11,335	10,863	98	89	345	0,183	0,362	1,981	1,510
49	40	93.493	2.152,849	24.146,426	11,216	10,745	99	90	193	0,095	0,179	1,892	1,421
							100	91	103	0,047	0,084	1,805	1,334

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 10 Jahre

Zinsfuß 8,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	40	93.073	1.984,432	22.058,327	11,116	10,645
1							51	41	92.531	1.826,741	20.073,895	10,989	10,518
2							52	42	91.961	1.681,001	18.247,154	10,855	10,384
3							53	43	91.319	1.545,614	16.566,153	10,718	10,247
4							54	44	90.627	1.420,282	15.020,540	10,576	10,105
5							55	45	89.886	1.304,329	13.600,257	10,427	9,956
6							56	46	89.072	1.196,770	12.295,929	10,274	9,803
7							57	47	88.216	1.097,468	11.099,159	10,113	9,642
8							58	48	87.282	1.005,422	10.001,691	9,948	9,477
9							59	49	86.267	920,120	8.996,268	9,777	9,306
10	0	99.393	46.038,388	608.722,236	13,222	12,751	60	50	85.155	840,979	8.076,148	9,603	9,132
11	1	99.007	42.462,290	562.683,848	13,251	12,780	61	51	83.984	767,972	7.235,170	9,421	8,950
12	2	98.957	39.297,176	520.221,557	13,238	12,767	62	52	82.744	700,593	6.467,198	9,231	8,760
13	3	98.924	36.374,330	480.924,381	13,222	12,750	63	53	81.383	638,025	5.766,604	9,038	8,567
14	4	98.895	33.669,787	444.550,052	13,203	12,732	64	54	79.954	580,388	5.128,580	8,836	8,365
15	5	98.864	31.165,952	410.880,264	13,184	12,713	65	55	78.418	527,076	4.548,191	8,629	8,158
16	6	98.827	28.846,784	379.714,312	13,163	12,692	66	56	76.753	477,670	4.021,116	8,418	7,947
17	7	98.780	26.697,295	350.867,528	13,142	12,671	67	57	74.982	432,083	3.543,445	8,201	7,730
18	8	98.722	24.705,036	324.170,233	13,122	12,651	68	58	73.049	389,760	3.111,362	7,983	7,512
19	9	98.637	22.855,489	299.465,197	13,103	12,632	69	59	70.978	350,660	2.721,603	7,761	7,290
20	10	98.552	21.144,079	276.609,708	13,082	12,611	70	60	68.799	314,716	2.370,942	7,534	7,063
21	11	98.468	19.561,321	255.465,630	13,060	12,589	71	61	66.469	281,535	2.056,226	7,304	6,833
22	12	98.382	18.096,436	235.904,308	13,036	12,565	72	62	64.014	251,051	1.774,691	7,069	6,598
23	13	98.299	16.741,904	217.807,873	13,010	12,539	73	63	61.371	222,860	1.523,640	6,837	6,366
24	14	98.217	15.488,772	201.065,969	12,981	12,510	74	64	58.590	196,999	1.300,780	6,603	6,132
25	15	98.134	14.329,379	185.577,198	12,951	12,480	75	65	55.692	173,385	1.103,781	6,366	5,895
26	16	98.045	13.255,870	171.247,818	12,919	12,448	76	66	52.683	151,869	930,396	6,126	5,655
27	17	97.954	12.262,578	157.991,948	12,884	12,413	77	67	49.602	132,394	778,527	5,880	5,409
28	18	97.863	11.343,623	145.729,370	12,847	12,376	78	68	46.410	114,699	646,133	5,633	5,162
29	19	97.763	10.492,616	134.385,747	12,808	12,337	79	69	43.094	98,615	531,434	5,389	4,918
30	20	97.667	9.705,860	123.893,131	12,765	12,294	80	70	39.711	84,142	432,818	5,144	4,673
31	21	97.565	8.977,506	114.187,271	12,719	12,248	81	71	36.238	71,094	348,676	4,904	4,433
32	22	97.464	8.303,909	105.209,765	12,670	12,199	82	72	32.723	59,444	277,581	4,670	4,199
33	23	97.357	7.680,426	96.905,856	12,617	12,146	83	73	29.117	48,975	218,138	4,454	3,983
34	24	97.247	7.103,413	89.225,430	12,561	12,090	84	74	25.617	39,897	169,163	4,240	3,769
35	25	97.127	6.569,167	82.122,017	12,501	12,030	85	75	22.274	32,120	129,266	4,024	3,553
36	26	97.002	6.074,702	75.552,850	12,437	11,966	86	76	19.175	25,603	97,146	3,794	3,323
37	27	96.865	5.616,802	69.478,148	12,370	11,899	87	77	16.154	19,971	71,542	3,582	3,111
38	28	96.720	5.192,945	63.861,347	12,298	11,827	88	78	13.281	15,204	51,571	3,392	2,921
39	29	96.558	4.800,232	58.668,402	12,222	11,751	89	79	10.672	11,312	36,368	3,215	2,744
40	30	96.381	4.436,509	53.868,170	12,142	11,671	90	80	8.385	8,230	25,056	3,045	2,574
41	31	96.184	4.099,462	49.431,661	12,058	11,587	91	81	6.429	5,842	16,826	2,880	2,409
42	32	95.967	3.787,234	45.332,199	11,970	11,499	92	82	4.780	4,022	10,984	2,731	2,260
43	33	95.721	3.497,720	41.544,965	11,878	11,407	93	83	3.443	2,682	6,962	2,596	2,125
44	34	95.446	3.229,321	38.047,245	11,782	11,311	94	84	2.405	1,735	4,280	2,467	1,996
45	35	95.145	2.980,692	34.817,924	11,681	11,210	95	85	1.623	1,084	2,545	2,347	1,876
46	36	94.804	2.749,999	31.837,231	11,577	11,106	96	86	1.061	0,656	1,461	2,227	1,756
47	37	94.428	2.536,218	29.087,232	11,469	10,998	97	87	664	0,380	0,805	2,117	1,645
48	38	94.017	2.338,114	26.551,014	11,356	10,885	98	88	397	0,210	0,425	2,019	1,548
49	39	93.568	2.154,574	24.212,901	11,238	10,767	99	89	227	0,111	0,214	1,927	1,456
							100	90	123	0,056	0,103	1,843	1,372

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 11 Jahre

Zinsfuß 8,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	39	93.148	1.986,021	22.117,583	11,137	10,666
1							51	40	92.612	1.828,332	20.131,562	11,011	10,540
2							52	41	92.052	1.682,664	18.303,230	10,878	10,406
3							53	42	91.422	1.547,354	16.620,565	10,741	10,270
4							54	43	90.745	1.422,128	15.073,212	10,599	10,128
5							55	44	90.012	1.306,147	13.651,084	10,451	9,980
6							56	45	89.213	1.198,671	12.344,937	10,299	9,828
7							57	46	88.374	1.099,443	11.146,265	10,138	9,667
8							58	47	87.452	1.007,381	10.046,823	9,973	9,502
9							59	48	86.451	922,075	9.039,442	9,803	9,332
10							60	49	85.360	843,008	8.117,367	9,629	9,158
11	0	99.384	42.624,131	562.999,383	13,208	12,737	61	50	84.196	769,917	7.274,359	9,448	8,977
12	1	98.992	39.311,255	520.375,252	13,237	12,766	62	51	82.975	702,544	6.504,442	9,258	8,787
13	2	98.944	36.381,523	481.063,997	13,223	12,752	63	52	81.630	639,960	5.801,898	9,066	8,595
14	3	98.912	33.675,568	444.682,474	13,205	12,734	64	53	80.207	582,227	5.161,938	8,866	8,395
15	4	98.876	31.169,978	411.006,906	13,186	12,715	65	54	78.692	528,915	4.579,711	8,659	8,188
16	5	98.840	28.850,556	379.836,929	13,166	12,695	66	55	77.045	479,486	4.050,796	8,448	7,977
17	6	98.790	26.699,755	350.986,373	13,146	12,675	67	56	75.285	433,824	3.571,310	8,232	7,761
18	7	98.730	24.707,188	324.286,618	13,125	12,654	68	57	73.376	391,507	3.137,485	8,014	7,543
19	8	98.647	22.857,683	299.579,430	13,106	12,635	69	58	71.322	352,357	2.745,978	7,793	7,322
20	9	98.558	21.145,445	276.721,747	13,087	12,616	70	59	69.151	316,324	2.393,621	7,567	7,096
21	10	98.477	19.562,966	255.576,302	13,064	12,593	71	60	66.837	283,094	2.077,297	7,338	6,867
22	11	98.391	18.098,133	236.013,336	13,041	12,570	72	61	64.376	252,472	1.794,203	7,107	6,636
23	12	98.308	16.743,326	217.915,203	13,015	12,544	73	62	61.760	224,271	1.541,732	6,874	6,403
24	13	98.227	15.490,272	201.171,877	12,987	12,516	74	63	58.991	198,348	1.317,461	6,642	6,171
25	14	98.146	14.331,049	185.681,605	12,957	12,486	75	64	56.102	174,663	1.119,112	6,407	5,936
26	15	98.063	13.258,239	171.350,555	12,924	12,453	76	65	53.117	153,119	944,450	6,168	5,697
27	16	97.975	12.265,176	158.092,316	12,890	12,418	77	66	50.055	133,604	791,330	5,923	5,452
28	17	97.884	11.346,119	145.827,141	12,853	12,382	78	67	46.887	115,877	657,726	5,676	5,205
29	18	97.791	10.495,634	134.481,021	12,813	12,342	79	68	43.593	99,756	541,849	5,432	4,961
30	19	97.694	9.708,552	123.985,387	12,771	12,300	80	69	40.225	85,230	442,093	5,187	4,716
31	20	97.595	8.980,342	114.276,836	12,725	12,254	81	70	36.760	72,120	356,863	4,948	4,477
32	21	97.488	8.305,941	105.296,493	12,677	12,206	82	71	33.262	60,423	284,743	4,712	4,241
33	22	97.384	7.682,505	96.990,552	12,625	12,154	83	72	29.652	49,874	224,320	4,498	4,027
34	23	97.272	7.105,267	89.308,047	12,569	12,098	84	73	26.150	40,727	174,446	4,283	3,812
35	24	97.154	6.570,952	82.202,780	12,510	12,039	85	74	22.793	32,868	133,719	4,068	3,597
36	25	97.026	6.076,197	75.631,827	12,447	11,976	86	75	19.686	26,285	100,851	3,837	3,366
37	26	96.892	5.618,374	69.555,630	12,380	11,909	87	76	16.635	20,566	74,566	3,626	3,155
38	27	96.748	5.194,459	63.937,256	12,309	11,838	88	77	13.728	15,715	54,000	3,436	2,965
39	28	96.587	4.801,657	58.742,797	12,234	11,763	89	78	11.083	11,748	38,285	3,259	2,788
40	29	96.409	4.437,808	53.941,140	12,155	11,684	90	79	8.753	8,591	26,538	3,089	2,618
41	30	96.215	4.100,805	49.503,332	12,072	11,601	91	80	6.758	6,142	17,947	2,922	2,451
42	31	96.001	3.788,587	45.402,527	11,984	11,513	92	81	5.062	4,259	11,805	2,772	2,301
43	32	95.755	3.498,964	41.613,940	11,893	11,422	93	82	3.681	2,868	7,546	2,632	2,160
44	33	95.484	3.230,612	38.114,976	11,798	11,327	94	83	2.590	1,868	4,679	2,504	2,033
45	34	95.190	2.982,090	34.884,364	11,698	11,227	95	84	1.765	1,179	2,810	2,383	1,912
46	35	94.852	2.751,408	31.902,273	11,595	11,124	96	85	1.161	0,718	1,631	2,271	1,800
47	36	94.482	2.537,653	29.150,866	11,487	11,016	97	86	739	0,423	0,913	2,158	1,687
48	37	94.075	2.339,548	26.613,213	11,375	10,904	98	87	450	0,238	0,490	2,053	1,582
49	38	93.633	2.156,082	24.273,665	11,258	10,787	99	88	261	0,128	0,251	1,962	1,491
							100	89	144	0,066	0,123	1,875	1,404

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 12 Jahre

Zinsfuß 8,00%

Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	38	93.213	1.987,412	22.171,740	11,156	10,685
1							51	39	92.686	1.829,796	20.184,328	11,031	10,560
2							52	40	92.132	1.684,129	18.354,532	10,899	10,427
3							53	41	91.512	1.548,885	16.670,402	10,763	10,292
4							54	42	90.847	1.423,729	15.121,518	10,621	10,150
5							55	43	90.129	1.307,844	13.697,788	10,474	10,003
6							56	44	89.338	1.200,342	12.389,944	10,322	9,851
7							57	45	88.515	1.101,189	11.189,602	10,161	9,690
8							58	46	87.610	1.009,194	10.088,413	9,997	9,525
9							59	47	86.619	923,871	9.079,219	9,827	9,356
10							60	48	85.542	844,799	8.155,348	9,654	9,183
11							61	49	84.399	771,775	7.310,549	9,472	9,001
12	0	99.370	39.461,087	520.665,213	13,194	12,723	62	50	83.185	704,324	6.538,774	9,284	8,813
13	1	98.980	36.394,557	481.204,127	13,222	12,751	63	51	81.857	641,742	5.834,450	9,092	8,621
14	2	98.931	33.682,227	444.809,570	13,206	12,735	64	52	80.450	583,992	5.192,708	8,892	8,421
15	3	98.893	31.175,329	411.127,343	13,188	12,717	65	53	78.941	530,591	4.608,716	8,686	8,215
16	4	98.853	28.854,282	379.952,014	13,168	12,697	66	54	77.314	481,160	4.078,125	8,476	8,005
17	5	98.802	26.703,246	351.097,732	13,148	12,677	67	55	75.571	435,473	3.596,966	8,260	7,789
18	6	98.740	24.709,465	324.394,486	13,128	12,657	68	56	73.672	393,085	3.161,492	8,043	7,572
19	7	98.656	22.859,674	299.685,021	13,110	12,639	69	57	71.642	353,937	2.768,407	7,822	7,351
20	8	98.567	21.147,475	276.825,347	13,090	12,619	70	58	69.485	317,855	2.414,470	7,596	7,125
21	9	98.483	19.564,231	255.677,872	13,069	12,598	71	59	67.178	284,540	2.096,615	7,368	6,897
22	10	98.400	18.099,655	236.113,642	13,045	12,574	72	60	64.732	253,869	1.812,075	7,138	6,667
23	11	98.317	16.744,896	218.013,987	13,020	12,549	73	61	62.110	225,540	1.558,206	6,909	6,438
24	12	98.235	15.491,588	201.269,091	12,992	12,521	74	62	59.365	199,605	1.332,666	6,677	6,205
25	13	98.155	14.332,438	185.777,503	12,962	12,491	75	63	56.487	175,859	1.133,061	6,443	5,972
26	14	98.074	13.259,784	171.445,065	12,930	12,459	76	64	53.508	154,247	957,203	6,206	5,735
27	15	97.992	12.267,368	158.185,281	12,895	12,424	77	65	50.467	134,704	802,955	5,961	5,490
28	16	97.905	11.348,523	145.917,913	12,858	12,387	78	66	47.315	116,936	668,251	5,715	5,244
29	17	97.812	10.497,944	134.569,390	12,819	12,348	79	67	44.041	100,781	551,315	5,470	4,999
30	18	97.722	9.711,345	124.071,446	12,776	12,305	80	68	40.690	86,216	450,534	5,226	4,755
31	19	97.622	8.982,832	114.360,102	12,731	12,260	81	69	37.235	73,052	364,318	4,987	4,516
32	20	97.518	8.308,565	105.377,269	12,683	12,212	82	70	33.742	61,295	291,267	4,752	4,281
33	21	97.408	7.684,386	97.068,704	12,632	12,161	83	71	30.140	50,696	229,972	4,536	4,065
34	22	97.298	7.107,191	89.384,318	12,577	12,106	84	72	26.630	41,474	179,276	4,323	3,852
35	23	97.179	6.572,667	82.277,127	12,518	12,047	85	73	23.267	33,552	137,802	4,107	3,636
36	24	97.052	6.077,848	75.704,460	12,456	11,985	86	74	20.144	26,897	104,250	3,876	3,405
37	25	96.916	5.619,757	69.626,612	12,390	11,919	87	75	17.078	21,114	77,353	3,664	3,193
38	26	96.775	5.195,914	64.006,855	12,319	11,848	88	76	14.137	16,183	56,239	3,475	3,004
39	27	96.615	4.803,057	58.810,941	12,244	11,773	89	77	11.456	12,143	40,056	3,299	2,828
40	28	96.438	4.439,126	54.007,884	12,166	11,695	90	78	9.090	8,922	27,913	3,129	2,658
41	29	96.243	4.102,005	49.568,758	12,084	11,613	91	79	7.055	6,411	18,992	2,962	2,491
42	30	96.032	3.789,828	45.466,753	11,997	11,526	92	80	5.321	4,477	12,580	2,810	2,339
43	31	95.789	3.500,214	41.676,925	11,907	11,436	93	81	3.898	3,037	8,103	2,668	2,197
44	32	95.518	3.231,761	38.176,711	11,813	11,342	94	82	2.769	1,998	5,067	2,536	2,065
45	33	95.228	2.983,282	34.944,949	11,714	11,243	95	83	1.901	1,270	3,069	2,416	1,945
46	34	94.897	2.752,698	31.961,667	11,611	11,140	96	84	1.263	0,781	1,799	2,303	1,832
47	35	94.530	2.538,953	29.208,969	11,504	11,033	97	85	809	0,463	1,018	2,197	1,726
48	36	94.128	2.340,872	26.670,016	11,393	10,922	98	86	500	0,265	0,555	2,091	1,620
49	37	93.691	2.157,405	24.329,144	11,277	10,806	99	87	296	0,145	0,289	1,993	1,522
							100	88	166	0,076	0,144	1,907	1,436

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 13 Jahre

Zinsfuß 8,00%

Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	37	93.270	1.988,631	22.221,179	11,174	10,703
1							51	38	92.751	1.831,077	20.232,548	11,050	10,578
2							52	39	92.206	1.685,478	18.401,471	10,918	10,447
3							53	40	91.592	1.550,234	16.715,992	10,783	10,312
4							54	41	90.937	1.425,138	15.165,759	10,642	10,171
5							55	42	90.230	1.309,317	13.740,621	10,494	10,023
6							56	43	89.454	1.201,902	12.431,304	10,343	9,872
7							57	44	88.638	1.102,724	11.229,402	10,183	9,712
8							58	45	87.749	1.010,797	10.126,678	10,019	9,547
9							59	46	86.775	925,533	9.115,881	9,849	9,378
10							60	47	85.709	846,445	8.190,347	9,676	9,205
11							61	48	84.579	773,414	7.343,902	9,495	9,024
12							62	49	83.386	706,023	6.570,488	9,306	8,835
13	0	99.357	36.533,272	481.470,592	13,179	12,708	63	50	82.065	643,367	5.864,465	9,115	8,644
14	1	98.967	33.694,295	444.937,320	13,205	12,734	64	51	80.674	585,619	5.221,098	8,916	8,444
15	2	98.913	31.181,494	411.243,026	13,189	12,718	65	52	79.181	532,200	4.635,479	8,710	8,239
16	3	98.870	28.859,236	380.061,532	13,169	12,698	66	53	77.559	482,684	4.103,279	8,501	8,030
17	4	98.815	26.706,695	351.202,296	13,150	12,679	67	54	75.834	436,993	3.620,595	8,285	7,814
18	5	98.752	24.712,695	324.495,601	13,131	12,660	68	55	73.952	394,579	3.183,602	8,068	7,597
19	6	98.665	22.861,780	299.782,905	13,113	12,642	69	56	71.930	355,363	2.789,023	7,848	7,377
20	7	98.576	21.149,317	276.921,125	13,094	12,623	70	57	69.797	319,280	2.433,659	7,622	7,151
21	8	98.493	19.566,109	255.771,808	13,072	12,601	71	58	67.504	285,917	2.114,379	7,395	6,924
22	9	98.406	18.100,824	236.205,699	13,049	12,578	72	59	65.063	255,166	1.828,462	7,166	6,695
23	10	98.325	16.746,304	218.104,875	13,024	12,553	73	60	62.453	226,789	1.573,296	6,937	6,466
24	11	98.244	15.493,041	201.358,571	12,997	12,526	74	61	59.701	200,734	1.346,507	6,708	6,237
25	12	98.164	14.333,655	185.865,530	12,967	12,496	75	62	56.844	176,972	1.145,773	6,474	6,003
26	13	98.084	13.261,069	171.531,874	12,935	12,464	76	63	53.875	155,304	968,801	6,238	5,767
27	14	98.004	12.268,797	158.270,806	12,900	12,429	77	64	50.839	135,697	813,497	5,995	5,524
28	15	97.922	11.350,551	146.002,008	12,863	12,392	78	65	47.705	117,899	677,801	5,749	5,278
29	16	97.833	10.500,168	134.651,458	12,824	12,353	79	66	44.443	101,702	559,902	5,505	5,034
30	17	97.743	9.713,482	124.151,290	12,781	12,310	80	67	41.108	87,101	458,200	5,261	4,789
31	18	97.651	8.985,417	114.437,808	12,736	12,265	81	68	37.666	73,897	371,098	5,022	4,551
32	19	97.545	8.310,869	105.452,392	12,688	12,217	82	69	34.178	62,087	297,202	4,787	4,316
33	20	97.438	7.686,814	97.141,523	12,637	12,166	83	70	30.575	51,427	235,115	4,572	4,101
34	21	97.322	7.108,930	89.454,709	12,583	12,112	84	71	27.069	42,158	183,688	4,357	3,886
35	22	97.205	6.574,447	82.345,779	12,525	12,054	85	72	23.694	34,168	141,530	4,142	3,671
36	23	97.077	6.079,434	75.771,331	12,464	11,993	86	73	20.563	27,456	107,362	3,910	3,439
37	24	96.943	5.621,284	69.691,897	12,398	11,927	87	74	17.476	21,606	79,906	3,698	3,227
38	25	96.799	5.197,192	64.070,613	12,328	11,857	88	75	14.513	16,614	58,300	3,509	3,038
39	26	96.642	4.804,402	58.873,420	12,254	11,783	89	76	11.797	12,505	41,686	3,334	2,863
40	27	96.466	4.440,420	54.069,018	12,177	11,706	90	77	9.396	9,222	29,182	3,165	2,693
41	28	96.272	4.103,223	49.628,598	12,095	11,624	91	78	7.327	6,658	19,960	2,998	2,527
42	29	96.060	3.790,938	45.525,375	12,009	11,538	92	79	5.555	4,674	13,302	2,846	2,375
43	30	95.820	3.501,361	41.734,437	11,919	11,448	93	80	4.098	3,192	8,629	2,703	2,232
44	31	95.552	3.232,916	38.233,077	11,826	11,355	94	81	2.933	2,115	5,436	2,570	2,099
45	32	95.262	2.984,343	35.000,161	11,728	11,257	95	82	2.033	1,358	3,321	2,446	1,975
46	33	94.935	2.753,799	32.015,817	11,626	11,155	96	83	1.360	0,841	1,963	2,333	1,862
47	34	94.575	2.540,143	29.262,018	11,520	11,049	97	84	880	0,504	1,122	2,227	1,756
48	35	94.176	2.342,071	26.721,875	11,410	10,938	98	85	548	0,290	0,618	2,127	1,656
49	36	93.744	2.158,625	24.379,804	11,294	10,823	99	86	329	0,161	0,327	2,028	1,557
							100	87	189	0,086	0,166	1,936	1,465

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 14 Jahre

Zinsfuß 8,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	36	93.323	1.989,756	22.266,317	11,190	10,719
1							51	37	92.808	1.832,201	20.276,561	11,067	10,596
2							52	38	92.270	1.686,658	18.444,360	10,935	10,464
3							53	39	91.665	1.551,475	16.757,702	10,801	10,330
4							54	40	91.016	1.426,379	15.206,227	10,661	10,190
5							55	41	90.319	1.310,612	13.779,848	10,514	10,043
6							56	42	89.555	1.203,256	12.469,235	10,363	9,892
7							57	43	88.753	1.104,157	11.265,980	10,203	9,732
8							58	44	87.871	1.012,206	10.161,823	10,039	9,568
9							59	45	86.913	927,004	9.149,617	9,870	9,399
10							60	46	85.863	847,968	8.222,613	9,697	9,226
11							61	47	84.744	774,921	7.374,645	9,517	9,046
12							62	48	83.563	707,523	6.599,724	9,328	8,857
13							63	49	82.263	644,920	5.892,201	9,136	8,665
14	0	99.344	33.822,717	445.182,195	13,162	12,691	64	50	80.879	587,102	5.247,281	8,938	8,467
15	1	98.948	31.192,665	411.359,478	13,188	12,717	65	51	79.401	533,682	4.660,179	8,732	8,261
16	2	98.890	28.864,943	380.166,813	13,171	12,699	66	52	77.794	484,147	4.126,498	8,523	8,052
17	3	98.832	26.711,280	351.301,870	13,152	12,681	67	53	76.075	438,378	3.642,350	8,309	7,838
18	4	98.765	24.715,888	324.590,590	13,133	12,662	68	54	74.210	395,956	3.203,972	8,092	7,621
19	5	98.678	22.864,769	299.874,702	13,115	12,644	69	55	72.204	356,714	2.808,016	7,872	7,401
20	6	98.585	21.151,266	277.009,933	13,097	12,626	70	56	70.078	320,567	2.451,302	7,647	7,176
21	7	98.501	19.567,813	255.858,667	13,075	12,604	71	57	67.806	287,199	2.130,735	7,419	6,948
22	8	98.415	18.102,562	236.290,854	13,053	12,582	72	58	65.378	256,401	1.843,536	7,190	6,719
23	9	98.332	16.747,386	218.188,292	13,028	12,557	73	59	62.772	227,947	1.587,135	6,963	6,492
24	10	98.252	15.494,344	201.440,906	13,001	12,530	74	60	60.031	201,845	1.359,187	6,734	6,263
25	11	98.173	14.335,000	185.946,562	12,972	12,500	75	61	57.166	177,974	1.157,342	6,503	6,032
26	12	98.092	13.262,195	171.611,562	12,940	12,469	76	62	54.216	156,287	979,368	6,266	5,795
27	13	98.013	12.269,986	158.349,367	12,905	12,434	77	63	51.187	136,626	823,081	6,024	5,553
28	14	97.934	11.351,873	146.079,381	12,868	12,397	78	64	48.056	118,768	686,455	5,780	5,309
29	15	97.850	10.502,044	134.727,507	12,829	12,358	79	65	44.809	102,539	567,688	5,536	5,065
30	16	97.764	9.715,539	124.225,463	12,786	12,315	80	66	41.484	87,897	465,148	5,292	4,821
31	17	97.672	8.987,394	114.509,924	12,741	12,270	81	67	38.053	74,656	377,251	5,053	4,582
32	18	97.573	8.313,260	105.522,530	12,693	12,222	82	68	34.573	62,805	302,596	4,818	4,347
33	19	97.465	7.688,945	97.209,270	12,643	12,172	83	69	30.970	52,092	239,791	4,603	4,132
34	20	97.353	7.111,177	89.520,325	12,589	12,118	84	70	27.459	42,766	187,699	4,389	3,918
35	21	97.229	6.576,056	82.409,149	12,532	12,061	85	71	24.084	34,731	144,933	4,173	3,702
36	22	97.104	6.081,081	75.833,092	12,470	11,999	86	72	20.940	27,960	110,202	3,941	3,470
37	23	96.968	5.622,751	69.752,012	12,405	11,934	87	73	17.839	22,055	82,242	3,729	3,258
38	24	96.825	5.198,605	64.129,260	12,336	11,865	88	74	14.851	17,001	60,187	3,540	3,069
39	25	96.666	4.805,584	58.930,655	12,263	11,792	89	75	12.111	12,837	43,186	3,364	2,893
40	26	96.493	4.441,664	54.125,071	12,186	11,715	90	76	9.676	9,497	30,349	3,196	2,725
41	27	96.300	4.104,419	49.683,408	12,105	11,634	91	77	7.573	6,882	20,852	3,030	2,559
42	28	96.089	3.792,063	45.578,988	12,020	11,549	92	78	5.768	4,854	13,970	2,878	2,407
43	29	95.849	3.502,386	41.786,925	11,931	11,460	93	79	4.277	3,333	9,117	2,736	2,265
44	30	95.583	3.233,975	38.284,539	11,838	11,367	94	80	3.083	2,224	5,784	2,601	2,130
45	31	95.296	2.985,410	35.050,564	11,741	11,270	95	81	2.153	1,438	3,560	2,476	2,005
46	32	94.968	2.754,778	32.065,154	11,640	11,169	96	82	1.454	0,900	2,122	2,359	1,888
47	33	94.612	2.541,159	29.310,376	11,534	11,063	97	83	947	0,543	1,223	2,254	1,783
48	34	94.220	2.343,169	26.769,217	11,424	10,953	98	84	596	0,316	0,680	2,154	1,683
49	35	93.792	2.159,731	24.426,048	11,310	10,839	99	85	360	0,177	0,364	2,061	1,590
							100	86	210	0,095	0,188	1,968	1,497

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 15 Jahre

Zinsfuß 8,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	35	93.371	1.990,775	22.307,515	11,205	10,734
1							51	36	92.860	1.833,237	20.316,740	11,082	10,611
2							52	37	92.327	1.687,693	18.483,502	10,952	10,481
3							53	38	91.729	1.552,561	16.795,809	10,818	10,347
4							54	39	91.089	1.427,521	15.243,248	10,678	10,207
5							55	40	90.398	1.311,754	13.815,727	10,532	10,061
6							56	41	89.643	1.204,446	12.503,973	10,382	9,910
7							57	42	88.853	1.105,400	11.299,527	10,222	9,751
8							58	43	87.985	1.013,521	10.194,127	10,058	9,587
9							59	44	87.034	928,296	9.180,605	9,890	9,419
10							60	45	85.999	849,315	8.252,309	9,716	9,245
11							61	46	84.896	776,316	7.402,995	9,536	9,065
12							62	47	83.726	708,902	6.626,679	9,348	8,877
13							63	48	82.437	646,290	5.917,777	9,157	8,685
14							64	49	81.074	588,518	5.271,488	8,957	8,486
15	0	99.326	31.311,553	411.584,509	13,145	12,674	65	50	79.602	535,034	4.682,969	8,753	8,282
16	1	98.925	28.875,284	380.272,956	13,169	12,698	66	51	78.011	485,496	4.147,936	8,544	8,073
17	2	98.852	26.716,562	351.397,672	13,153	12,682	67	52	76.305	439,707	3.662,440	8,329	7,858
18	3	98.782	24.720,131	324.681,109	13,134	12,663	68	53	74.445	397,211	3.222,733	8,113	7,642
19	4	98.690	22.867,723	299.960,979	13,117	12,646	69	54	72.456	357,959	2.825,522	7,893	7,422
20	5	98.598	21.154,031	277.093,256	13,099	12,628	70	55	70.344	321,785	2.467,563	7,668	7,197
21	6	98.510	19.569,616	255.939,225	13,078	12,607	71	56	68.079	288,356	2.145,777	7,441	6,970
22	7	98.424	18.104,139	236.369,609	13,056	12,585	72	57	65.671	257,551	1.857,421	7,212	6,741
23	8	98.341	16.748,994	218.265,470	13,032	12,561	73	58	63.076	229,050	1.599,870	6,985	6,514
24	9	98.259	15.495,345	201.516,476	13,005	12,534	74	59	60.338	202,877	1.370,820	6,757	6,286
25	10	98.181	14.336,205	186.021,130	12,976	12,505	75	60	57.482	178,959	1.167,943	6,526	6,055
26	11	98.101	13.263,439	171.684,925	12,944	12,473	76	61	54.523	157,171	988,984	6,292	5,821
27	12	98.022	12.271,028	158.421,486	12,910	12,439	77	62	51.511	137,491	831,813	6,050	5,579
28	13	97.943	11.352,973	146.150,458	12,873	12,402	78	63	48.386	119,581	694,322	5,806	5,335
29	14	97.862	10.503,268	134.797,485	12,834	12,363	79	64	45.139	103,295	574,741	5,564	5,093
30	15	97.782	9.717,275	124.294,217	12,791	12,320	80	65	41.825	88,621	471,446	5,320	4,849
31	16	97.693	8.989,298	114.576,941	12,746	12,275	81	66	38.401	75,338	382,825	5,081	4,610
32	17	97.595	8.315,090	105.587,644	12,698	12,227	82	67	34.928	63,450	307,487	4,846	4,375
33	18	97.493	7.691,157	97.272,554	12,647	12,176	83	68	31.328	52,694	244,037	4,631	4,160
34	19	97.380	7.113,148	89.581,397	12,594	12,123	84	69	27.814	43,318	191,343	4,417	3,946
35	20	97.260	6.578,134	82.468,249	12,537	12,066	85	70	24.432	35,232	148,024	4,201	3,730
36	21	97.128	6.082,569	75.890,115	12,477	12,006	86	71	21.286	28,421	112,793	3,969	3,498
37	22	96.994	5.624,274	69.807,546	12,412	11,941	87	72	18.167	22,460	84,372	3,757	3,286
38	23	96.851	5.199,961	64.183,272	12,343	11,872	88	73	15.160	17,355	61,912	3,567	3,096
39	24	96.692	4.806,890	58.983,310	12,271	11,800	89	74	12.393	13,136	44,557	3,392	2,921
40	25	96.517	4.442,757	54.176,420	12,194	11,723	90	75	9.934	9,749	31,421	3,223	2,752
41	26	96.327	4.105,569	49.733,663	12,114	11,643	91	76	7.799	7,087	21,672	3,058	2,587
42	27	96.117	3.793,169	45.628,094	12,029	11,558	92	77	5.962	5,017	14,584	2,907	2,436
43	28	95.877	3.503,426	41.834,926	11,941	11,470	93	78	4.442	3,461	9,568	2,765	2,294
44	29	95.611	3.234,922	38.331,500	11,849	11,378	94	79	3.218	2,321	6,107	2,631	2,160
45	30	95.327	2.986,388	35.096,578	11,752	11,281	95	80	2.263	1,512	3,785	2,504	2,033
46	31	95.002	2.755,763	32.110,190	11,652	11,181	96	81	1.540	0,953	2,274	2,387	1,916
47	32	94.646	2.542,063	29.354,428	11,547	11,076	97	82	1.013	0,580	1,321	2,278	1,806
48	33	94.258	2.344,106	26.812,365	11,438	10,967	98	83	642	0,340	0,741	2,178	1,707
49	34	93.836	2.160,744	24.468,259	11,324	10,853	99	84	392	0,192	0,401	2,085	1,614
							100	85	230	0,104	0,209	1,998	1,527

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 16 Jahre

Zinsfuß 8,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	34	93.414	1.991,709	22.345,116	11,219	10,748
1							51	35	92.908	1.834,176	20.353,407	11,097	10,626
2							52	36	92.379	1.688,648	18.519,230	10,967	10,496
3							53	37	91.786	1.553,514	16.830,583	10,834	10,363
4							54	38	91.153	1.428,521	15.277,069	10,694	10,223
5							55	39	90.470	1.312,804	13.848,548	10,549	10,078
6							56	40	89.721	1.205,495	12.535,744	10,399	9,928
7							57	41	88.941	1.106,494	11.330,249	10,240	9,769
8							58	42	88.085	1.014,663	10.223,755	10,076	9,605
9							59	43	87.147	929,502	9.209,092	9,908	9,437
10							60	44	86.119	850,499	8.279,590	9,735	9,264
11							61	45	85.031	777,549	7.429,091	9,555	9,083
12							62	46	83.876	710,177	6.651,542	9,366	8,895
13							63	47	82.598	647,549	5.941,365	9,175	8,704
14							64	48	81.246	589,769	5.293,817	8,976	8,505
15							65	49	79.794	536,325	4.704,048	8,771	8,300
16	0	99.302	28.985,340	380.479,748	13,127	12,656	66	50	78.208	486,726	4.167,723	8,563	8,092
17	1	98.887	26.726,134	351.494,408	13,152	12,681	67	51	76.518	440,932	3.680,998	8,348	7,877
18	2	98.802	24.725,019	324.768,274	13,135	12,664	68	52	74.671	398,415	3.240,066	8,132	7,661
19	3	98.707	22.871,649	300.043,255	13,119	12,648	69	53	72.685	359,093	2.841,651	7,913	7,442
20	4	98.611	21.156,764	277.171,606	13,101	12,630	70	54	70.590	322,909	2.482,558	7,688	7,217
21	5	98.523	19.572,175	256.014,842	13,081	12,610	71	55	68.338	289,453	2.159,649	7,461	6,990
22	6	98.433	18.105,807	236.442,668	13,059	12,588	72	56	65.936	258,589	1.870,197	7,232	6,761
23	7	98.350	16.750,453	218.336,860	13,035	12,564	73	57	63.359	230,077	1.611,608	7,005	6,534
24	8	98.268	15.496,833	201.586,408	13,008	12,537	74	58	60.630	203,858	1.381,531	6,777	6,306
25	9	98.187	14.337,132	186.089,575	12,980	12,509	75	59	57.776	179,873	1.177,672	6,547	6,076
26	10	98.109	13.264,554	171.752,443	12,948	12,477	76	60	54.825	158,041	997,799	6,314	5,842
27	11	98.031	12.272,179	158.487,889	12,914	12,443	77	61	51.803	138,269	839,758	6,073	5,602
28	12	97.952	11.353,938	146.215,709	12,878	12,407	78	62	48.692	120,338	701,488	5,829	5,358
29	13	97.871	10.504,286	134.861,772	12,839	12,368	79	63	45.448	104,002	581,150	5,588	5,117
30	14	97.793	9.718,408	124.357,486	12,796	12,325	80	64	42.133	89,274	477,148	5,345	4,874
31	15	97.710	8.990,904	114.639,078	12,751	12,280	81	65	38.717	75,958	387,874	5,106	4,635
32	16	97.616	8.316,851	105.648,174	12,703	12,232	82	66	35.248	64,030	311,916	4,871	4,400
33	17	97.515	7.692,849	97.331,323	12,652	12,181	83	67	31.650	53,236	247,886	4,656	4,185
34	18	97.408	7.115,195	89.638,474	12,598	12,127	84	68	28.136	43,820	194,650	4,442	3,971
35	19	97.287	6.579,958	82.523,279	12,542	12,071	85	69	24.747	35,687	150,831	4,227	3,755
36	20	97.158	6.084,491	75.943,321	12,481	12,010	86	70	21.592	28,831	115,144	3,994	3,523
37	21	97.018	5.625,651	69.858,830	12,418	11,947	87	71	18.466	22,830	86,313	3,781	3,310
38	22	96.877	5.201,370	64.233,180	12,349	11,878	88	72	15.438	17,673	63,483	3,592	3,121
39	23	96.717	4.808,145	59.031,810	12,277	11,806	89	73	12.651	13,410	45,810	3,416	2,945
40	24	96.543	4.443,964	54.223,666	12,202	11,731	90	74	10.165	9,976	32,400	3,248	2,777
41	25	96.351	4.106,579	49.779,701	12,122	11,651	91	75	8.006	7,276	22,424	3,082	2,611
42	26	96.144	3.794,231	45.673,122	12,038	11,566	92	76	6.140	5,166	15,148	2,932	2,461
43	27	95.905	3.504,447	41.878,891	11,950	11,479	93	77	4.591	3,577	9,982	2,790	2,319
44	28	95.640	3.235,882	38.374,444	11,859	11,388	94	78	3.342	2,411	6,405	2,657	2,186
45	29	95.355	2.987,262	35.138,562	11,763	11,292	95	79	2.362	1,578	3,994	2,531	2,060
46	30	95.034	2.756,665	32.151,300	11,663	11,192	96	80	1.619	1,001	2,416	2,412	1,941
47	31	94.680	2.542,971	29.394,635	11,559	11,088	97	81	1.073	0,614	1,414	2,302	1,831
48	32	94.291	2.344,940	26.851,663	11,451	10,980	98	82	686	0,364	0,800	2,200	1,729
49	33	93.873	2.161,608	24.506,724	11,337	10,866	99	83	422	0,207	0,436	2,107	1,636
							100	84	250	0,114	0,229	2,020	1,548

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 17 Jahre

Zinsfuß 8,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	33	93.452	1.992,505	22.379,373	11,232	10,761
1							51	34	92.951	1.835,037	20.386,868	11,110	10,639
2							52	35	92.427	1.689,513	18.551,831	10,981	10,510
3							53	36	91.837	1.554,393	16.862,319	10,848	10,377
4							54	37	91.209	1.429,397	15.307,926	10,709	10,238
5							55	38	90.534	1.313,723	13.878,529	10,564	10,093
6							56	39	89.793	1.206,460	12.564,806	10,415	9,944
7							57	40	89.019	1.107,458	11.358,345	10,256	9,785
8							58	41	88.172	1.015,667	10.250,887	10,093	9,622
9							59	42	87.245	930,549	9.235,221	9,924	9,453
10							60	43	86.231	851,604	8.304,672	9,752	9,281
11							61	44	85.149	778,633	7.453,068	9,572	9,101
12							62	45	84.010	711,305	6.674,435	9,383	8,912
13							63	46	82.747	648,714	5.963,130	9,192	8,721
14							64	47	81.404	590,918	5.314,416	8,993	8,522
15							65	48	79.964	537,464	4.723,498	8,788	8,317
16							66	49	78.397	487,900	4.186,034	8,580	8,109
17	0	99.264	26.827,998	351.684,426	13,109	12,638	67	50	76.712	442,048	3.698,134	8,366	7,895
18	1	98.837	24.733,877	324.856,427	13,134	12,663	68	51	74.879	399,525	3.256,086	8,150	7,679
19	2	98.727	22.876,171	300.122,550	13,119	12,648	69	52	72.906	360,182	2.856,561	7,931	7,460
20	3	98.628	21.160,396	277.246,378	13,102	12,631	70	53	70.813	323,931	2.496,379	7,707	7,235
21	4	98.536	19.574,703	256.085,983	13,082	12,611	71	54	68.577	290,463	2.172,448	7,479	7,008
22	5	98.446	18.108,174	236.511,280	13,061	12,590	72	55	66.186	259,572	1.881,985	7,250	6,779
23	6	98.359	16.751,996	218.403,105	13,037	12,566	73	56	63.614	231,005	1.622,413	7,023	6,552
24	7	98.277	15.498,183	201.651,109	13,011	12,540	74	57	60.902	204,772	1.391,408	6,795	6,324
25	8	98.197	14.338,508	186.152,926	12,983	12,512	75	58	58.056	180,744	1.186,636	6,565	6,094
26	9	98.116	13.265,412	171.814,418	12,952	12,481	76	59	55.105	158,849	1.005,893	6,332	5,861
27	10	98.039	12.273,211	158.549,007	12,918	12,447	77	60	52.090	139,035	847,044	6,092	5,621
28	11	97.961	11.355,003	146.275,796	12,882	12,411	78	61	48.967	121,019	708,009	5,850	5,379
29	12	97.880	10.505,178	134.920,793	12,843	12,372	79	62	45.736	104,661	586,990	5,609	5,137
30	13	97.802	9.719,350	124.415,615	12,801	12,330	80	63	42.422	89,885	482,329	5,366	4,895
31	14	97.722	8.991,952	114.696,266	12,755	12,284	81	64	39.002	76,518	392,444	5,129	4,658
32	15	97.633	8.318,337	105.704,314	12,707	12,236	82	65	35.538	64,557	315,926	4,894	4,423
33	16	97.536	7.694,479	97.385,977	12,657	12,186	83	66	31.939	53,722	251,369	4,679	4,208
34	17	97.429	7.116,760	89.691,498	12,603	12,132	84	67	28.425	44,270	197,647	4,465	3,994
35	18	97.315	6.581,851	82.574,737	12,546	12,075	85	68	25.034	36,100	153,377	4,249	3,778
36	19	97.185	6.086,178	75.992,886	12,486	12,015	86	69	21.872	29,204	117,277	4,016	3,545
37	20	97.049	5.627,428	69.906,708	12,422	11,951	87	70	18.732	23,159	88,074	3,803	3,332
38	21	96.901	5.202,643	64.279,280	12,355	11,884	88	71	15.693	17,964	64,915	3,614	3,142
39	22	96.743	4.809,447	59.076,638	12,283	11,812	89	72	12.883	13,656	46,950	3,438	2,967
40	23	96.568	4.445,124	54.267,191	12,208	11,737	90	73	10.376	10,184	33,295	3,269	2,798
41	24	96.377	4.107,695	49.822,067	12,129	11,658	91	74	8.193	7,445	23,111	3,104	2,633
42	25	96.168	3.795,165	45.714,372	12,045	11,574	92	75	6.303	5,304	15,665	2,954	2,483
43	26	95.932	3.505,428	41.919,207	11,958	11,487	93	76	4.728	3,684	10,362	2,813	2,342
44	27	95.668	3.236,826	38.413,779	11,868	11,397	94	77	3.454	2,492	6,678	2,680	2,209
45	28	95.383	2.988,149	35.176,953	11,772	11,301	95	78	2.453	1,639	4,186	2,554	2,083
46	29	95.061	2.757,472	32.188,804	11,673	11,202	96	79	1.690	1,045	2,547	2,437	1,966
47	30	94.711	2.543,804	29.431,332	11,570	11,099	97	80	1.128	0,646	1,502	2,326	1,854
48	31	94.325	2.345,778	26.887,528	11,462	10,991	98	81	726	0,385	0,856	2,222	1,751
49	32	93.906	2.162,377	24.541,750	11,349	10,878	99	82	451	0,221	0,471	2,126	1,655
							100	83	269	0,122	0,249	2,040	1,568

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 18 Jahre

Zinsfuß 8,00%

Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	32	93.485	1.993,214	22.410,562	11,243	10,772
1							51	33	92.989	1.835,770	20.417,348	11,122	10,651
2							52	34	92.470	1.690,305	18.581,578	10,993	10,522
3							53	35	91.884	1.555,189	16.891,272	10,861	10,390
4							54	36	91.260	1.430,206	15.336,083	10,723	10,252
5							55	37	90.589	1.314,529	13.905,877	10,579	10,108
6							56	38	89.856	1.207,305	12.591,348	10,429	9,958
7							57	39	89.090	1.108,345	11.384,043	10,271	9,800
8							58	40	88.248	1.016,551	10.275,699	10,108	9,637
9							59	41	87.331	931,470	9.259,148	9,940	9,469
10							60	42	86.328	852,563	8.327,678	9,768	9,297
11							61	43	85.260	779,645	7.475,115	9,588	9,117
12							62	44	84.127	712,297	6.695,470	9,400	8,929
13							63	45	82.878	649,744	5.983,174	9,209	8,737
14							64	46	81.551	591,981	5.333,429	9,009	8,538
15							65	47	80.120	538,511	4.741,448	8,805	8,334
16							66	48	78.563	488,936	4.202,937	8,596	8,125
17							67	49	76.897	443,115	3.714,001	8,382	7,911
18	0	99.214	24.828,148	325.031,022	13,091	12,620	68	50	75.069	400,537	3.270,886	8,166	7,695
19	1	98.762	22.884,367	300.202,874	13,118	12,647	69	51	73.109	361,185	2.870,349	7,947	7,476
20	2	98.647	21.164,580	277.318,506	13,103	12,632	70	52	71.028	324,914	2.509,164	7,723	7,252
21	3	98.553	19.578,063	256.153,926	13,084	12,613	71	53	68.794	291,383	2.184,250	7,496	7,025
22	4	98.459	18.110,513	236.575,863	13,063	12,592	72	54	66.417	260,478	1.892,867	7,267	6,796
23	5	98.372	16.754,187	218.465,349	13,039	12,568	73	55	63.856	231,883	1.632,390	7,040	6,569
24	6	98.286	15.499,611	201.711,163	13,014	12,543	74	56	61.147	205,598	1.400,507	6,812	6,341
25	7	98.205	14.339,757	186.211,552	12,986	12,515	75	57	58.316	181,554	1.194,909	6,582	6,111
26	8	98.125	13.266,685	171.871,795	12,955	12,484	76	58	55.371	159,618	1.013,355	6,349	5,878
27	9	98.046	12.274,004	158.605,110	12,922	12,451	77	59	52.356	139,745	853,738	6,109	5,638
28	10	97.969	11.355,957	146.331,105	12,886	12,415	78	60	49.239	121,689	713,993	5,867	5,396
29	11	97.889	10.506,163	134.975,148	12,847	12,376	79	61	45.995	105,253	592,303	5,627	5,156
30	12	97.811	9.720,175	124.468,985	12,805	12,334	80	62	42.690	90,455	487,051	5,384	4,913
31	13	97.731	8.992,823	114.748,810	12,760	12,289	81	63	39.269	77,042	396,596	5,148	4,677
32	14	97.644	8.319,307	105.755,987	12,712	12,241	82	64	35.800	65,033	319,554	4,914	4,443
33	15	97.553	7.695,854	97.436,680	12,661	12,190	83	65	32.202	54,164	254,521	4,699	4,228
34	16	97.450	7.118,268	89.740,826	12,607	12,136	84	66	28.685	44,674	200,357	4,485	4,014
35	17	97.336	6.583,299	82.622,558	12,550	12,079	85	67	25.291	36,470	155,683	4,269	3,798
36	18	97.213	6.087,929	76.039,259	12,490	12,019	86	68	22.125	29,541	119,212	4,035	3,564
37	19	97.075	5.628,988	69.951,330	12,427	11,956	87	69	18.974	23,458	89,671	3,823	3,351
38	20	96.931	5.204,286	64.322,342	12,359	11,888	88	70	15.919	18,223	66,212	3,633	3,162
39	21	96.767	4.810,624	59.118,055	12,289	11,818	89	71	13.096	13,881	47,989	3,457	2,986
40	22	96.594	4.446,328	54.307,431	12,214	11,743	90	72	10.567	10,371	34,108	3,289	2,818
41	23	96.402	4.108,767	49.861,104	12,135	11,664	91	73	8.363	7,600	23,737	3,123	2,652
42	24	96.194	3.796,196	45.752,336	12,052	11,581	92	74	6.450	5,427	16,137	2,973	2,502
43	25	95.955	3.506,291	41.956,140	11,966	11,495	93	75	4.854	3,782	10,710	2,832	2,361
44	26	95.694	3.237,732	38.449,849	11,876	11,405	94	76	3.557	2,566	6,928	2,700	2,229
45	27	95.411	2.989,020	35.212,117	11,780	11,309	95	77	2.536	1,694	4,362	2,575	2,104
46	28	95.090	2.758,291	32.223,097	11,682	11,211	96	78	1.755	1,086	2,668	2,458	1,987
47	29	94.739	2.544,549	29.464,806	11,580	11,109	97	79	1.177	0,674	1,582	2,347	1,876
48	30	94.356	2.346,546	26.920,257	11,472	11,001	98	80	764	0,405	0,908	2,243	1,772
49	31	93.940	2.163,149	24.573,711	11,360	10,889	99	81	478	0,234	0,503	2,147	1,676
							100	82	288	0,131	0,269	2,057	1,586

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 19 Jahre

Zinsfuß 8,00%

Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	${}^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	${}^{(12)}\ddot{a}_{xy}$
0							50	31	93.518	1.993,926	22.439,017	11,254	10,783
1							51	32	93.022	1.836,423	20.445,090	11,133	10,662
2							52	33	92.507	1.690,981	18.608,667	11,005	10,534
3							53	34	91.928	1.555,918	16.917,686	10,873	10,402
4							54	35	91.307	1.430,939	15.361,768	10,735	10,264
5							55	36	90.641	1.315,273	13.930,830	10,592	10,121
6							56	37	89.911	1.208,046	12.615,557	10,443	9,972
7							57	38	89.152	1.109,121	11.407,511	10,285	9,814
8							58	39	88.319	1.017,365	10.298,390	10,123	9,652
9							59	40	87.407	932,281	9.281,025	9,955	9,484
10							60	41	86.413	853,406	8.348,744	9,783	9,312
11							61	42	85.356	780,523	7.495,338	9,603	9,132
12							62	43	84.236	713,222	6.714,815	9,415	8,944
13							63	44	82.994	650,650	6.001,593	9,224	8,753
14							64	45	81.680	592,921	5.350,943	9,025	8,554
15							65	46	80.264	539,480	4.758,022	8,820	8,349
16							66	47	78.716	489,889	4.218,542	8,611	8,140
17							67	48	77.060	444,056	3.728,652	8,397	7,926
18							68	49	75.250	401,503	3.284,596	8,181	7,710
19	0	99.139	22.971,589	300.363,277	13,075	12,604	69	50	73.294	362,100	2.883,093	7,962	7,491
20	1	98.683	21.172,163	277.391,688	13,102	12,631	70	51	71.226	325,819	2.520,993	7,737	7,266
21	2	98.572	19.581,935	256.219,525	13,084	12,613	71	52	69.003	292,266	2.195,174	7,511	7,040
22	3	98.475	18.113,623	236.637,590	13,064	12,593	72	53	66.628	261,303	1.902,908	7,282	6,811
23	4	98.384	16.756,351	218.523,968	13,041	12,570	73	54	64.079	232,692	1.641,605	7,055	6,584
24	5	98.299	15.501,637	201.767,617	13,016	12,545	74	55	61.380	206,379	1.408,913	6,827	6,356
25	6	98.215	14.341,078	186.265,980	12,988	12,517	75	56	58.551	182,286	1.202,534	6,597	6,126
26	7	98.134	13.267,841	171.924,902	12,958	12,487	76	57	55.620	160,333	1.020,248	6,363	5,892
27	8	98.055	12.275,183	158.657,061	12,925	12,454	77	58	52.609	140,421	859,915	6,124	5,653
28	9	97.975	11.356,691	146.381,878	12,889	12,418	78	59	49.490	122,311	719,494	5,882	5,411
29	10	97.897	10.507,047	135.025,187	12,851	12,380	79	60	46.250	105,835	597,183	5,643	5,172
30	11	97.820	9.721,087	124.518,140	12,809	12,338	80	61	42.932	90,966	491,347	5,401	4,930
31	12	97.739	8.993,587	114.797,054	12,764	12,293	81	62	39.518	77,530	400,381	5,164	4,693
32	13	97.654	8.320,113	105.803,467	12,717	12,246	82	63	36.045	65,478	322,851	4,931	4,460
33	14	97.564	7.696,751	97.483,354	12,666	12,194	83	64	32.439	54,563	257,373	4,717	4,246
34	15	97.467	7.119,540	89.786,603	12,611	12,140	84	65	28.921	45,042	202,809	4,503	4,032
35	16	97.357	6.584,694	82.667,063	12,554	12,083	85	66	25.522	36,804	157,767	4,287	3,816
36	17	97.234	6.089,268	76.082,369	12,495	12,023	86	67	22.352	29,845	120,964	4,053	3,582
37	18	97.103	5.630,608	69.993,101	12,431	11,960	87	68	19.194	23,730	91,119	3,840	3,369
38	19	96.958	5.205,729	64.362,493	12,364	11,893	88	69	16.125	18,459	67,389	3,651	3,180
39	20	96.798	4.812,144	59.156,764	12,293	11,822	89	70	13.285	14,081	48,930	3,475	3,004
40	21	96.618	4.447,416	54.344,620	12,219	11,748	90	71	10.741	10,542	34,849	3,306	2,835
41	22	96.428	4.109,880	49.897,204	12,141	11,670	91	72	8.517	7,740	24,307	3,141	2,670
42	23	96.219	3.797,187	45.787,324	12,058	11,587	92	73	6.584	5,540	16,568	2,990	2,519
43	24	95.981	3.507,244	41.990,137	11,972	11,501	93	74	4.967	3,870	11,027	2,850	2,378
44	25	95.718	3.238,529	38.482,893	11,883	11,412	94	75	3.652	2,634	7,158	2,717	2,246
45	26	95.438	2.989,857	35.244,364	11,788	11,317	95	76	2.611	1,744	4,523	2,593	2,122
46	27	95.117	2.759,095	32.254,507	11,690	11,219	96	77	1.814	1,122	2,779	2,476	2,005
47	28	94.767	2.545,304	29.495,412	11,588	11,117	97	78	1.222	0,700	1,657	2,366	1,895
48	29	94.384	2.347,233	26.950,108	11,482	11,011	98	79	797	0,423	0,957	2,263	1,792
49	30	93.971	2.163,858	24.602,874	11,370	10,899	99	80	502	0,246	0,534	2,166	1,695
							100	81	305	0,138	0,287	2,076	1,605

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 20 Jahre

Zinsfuß 8,00%

Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} \cdot 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	30	93.549	1.994,579	22.464,977	11,263	10,792
1							51	31	93.055	1.837,079	20.470,397	11,143	10,672
2							52	32	92.540	1.691,582	18.633,318	11,015	10,544
3							53	33	91.964	1.556,540	16.941,736	10,884	10,413
4							54	34	91.350	1.431,610	15.385,195	10,747	10,276
5							55	35	90.687	1.315,947	13.953,586	10,603	10,132
6							56	36	89.962	1.208,729	12.637,639	10,455	9,984
7							57	37	89.207	1.109,801	11.428,910	10,298	9,827
8							58	38	88.381	1.018,077	10.319,109	10,136	9,665
9							59	39	87.477	933,027	9.301,031	9,969	9,498
10							60	40	86.489	854,149	8.368,004	9,797	9,326
11							61	41	85.441	781,295	7.513,854	9,617	9,146
12							62	42	84.331	714,025	6.732,560	9,429	8,958
13							63	43	83.101	651,496	6.018,534	9,238	8,767
14							64	44	81.794	593,748	5.367,038	9,039	8,568
15							65	45	80.391	540,337	4.773,290	8,834	8,363
16							66	46	78.858	490,770	4.232,953	8,625	8,154
17							67	47	77.210	444,921	3.742,183	8,411	7,940
18							68	48	75.409	402,356	3.297,261	8,195	7,724
19							69	49	73.471	362,974	2.894,905	7,976	7,504
20	0	99.059	21.252,859	277.539,053	13,059	12,588	70	50	71.406	326,644	2.531,932	7,751	7,280
21	1	98.608	19.588,951	256.286,194	13,083	12,612	71	51	69.195	293,080	2.205,288	7,525	7,053
22	2	98.495	18.117,205	236.697,244	13,065	12,594	72	52	66.830	262,095	1.912,207	7,296	6,825
23	3	98.401	16.759,227	218.580,039	13,042	12,571	73	53	64.282	233,429	1.650,112	7,069	6,598
24	4	98.311	15.503,640	201.820,812	13,018	12,547	74	54	61.594	207,099	1.416,683	6,841	6,370
25	5	98.227	14.342,953	186.317,172	12,990	12,519	75	55	58.774	182,979	1.209,584	6,611	6,139
26	6	98.143	13.269,063	171.974,219	12,961	12,489	76	56	55.844	160,979	1.026,605	6,377	5,906
27	7	98.063	12.276,252	158.705,156	12,928	12,457	77	57	52.845	141,051	865,625	6,137	5,666
28	8	97.985	11.357,782	146.428,904	12,892	12,421	78	58	49.730	122,903	724,575	5,896	5,424
29	9	97.903	10.507,726	135.071,122	12,854	12,383	79	59	46.486	106,376	601,672	5,656	5,185
30	10	97.828	9.721,904	124.563,397	12,813	12,342	80	60	43.170	91,470	495,295	5,415	4,944
31	11	97.748	8.994,430	114.841,492	12,768	12,297	81	61	39.741	77,968	403,825	5,179	4,708
32	12	97.662	8.320,819	105.847,062	12,721	12,250	82	62	36.273	65,893	325,857	4,945	4,474
33	13	97.574	7.697,497	97.526,243	12,670	12,199	83	63	32.662	54,937	259,964	4,732	4,261
34	14	97.479	7.120,370	89.828,746	12,616	12,145	84	64	29.134	45,374	205,027	4,519	4,048
35	15	97.374	6.585,871	82.708,376	12,558	12,087	85	65	25.732	37,107	159,653	4,303	3,831
36	16	97.255	6.090,558	76.122,506	12,498	12,027	86	66	22.556	30,118	122,546	4,069	3,598
37	17	97.125	5.631,847	70.031,948	12,435	11,964	87	67	19.391	23,974	92,429	3,855	3,384
38	18	96.986	5.207,227	64.400,101	12,367	11,896	88	68	16.311	18,672	68,455	3,666	3,195
39	19	96.825	4.813,478	59.192,874	12,297	11,826	89	69	13.456	14,263	49,783	3,490	3,019
40	20	96.649	4.448,821	54.379,396	12,223	11,752	90	70	10.896	10,694	35,520	3,322	2,851
41	21	96.452	4.110,886	49.930,574	12,146	11,675	91	71	8.657	7,867	24,826	3,156	2,685
42	22	96.245	3.798,215	45.819,689	12,063	11,592	92	72	6.705	5,642	16,959	3,006	2,535
43	23	96.007	3.508,159	42.021,473	11,978	11,507	93	73	5.071	3,950	11,317	2,865	2,394
44	24	95.744	3.239,409	38.513,314	11,889	11,418	94	74	3.737	2,696	7,367	2,733	2,262
45	25	95.461	2.990,593	35.273,905	11,795	11,324	95	75	2.681	1,791	4,671	2,608	2,137
46	26	95.144	2.759,868	32.283,312	11,697	11,226	96	76	1.868	1,156	2,880	2,492	2,021
47	27	94.794	2.546,046	29.523,444	11,596	11,125	97	77	1.264	0,724	1,724	2,383	1,912
48	28	94.412	2.347,930	26.977,398	11,490	11,019	98	78	828	0,439	1,001	2,280	1,809
49	29	93.998	2.164,491	24.629,468	11,379	10,908	99	79	524	0,257	0,562	2,184	1,713
							100	80	320	0,146	0,305	2,093	1,622

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 21 Jahre

Zinsfuß 8,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	29	93.576	1.995,163	22.488,644	11,272	10,801
1							51	30	93.085	1.837,681	20.493,480	11,152	10,681
2							52	31	92.573	1.692,187	18.655,799	11,025	10,554
3							53	32	91.997	1.557,094	16.963,613	10,894	10,423
4							54	33	91.386	1.432,182	15.406,519	10,757	10,286
5							55	34	90.729	1.316,564	13.974,337	10,614	10,143
6							56	35	90.008	1.209,348	12.657,773	10,467	9,996
7							57	36	89.258	1.110,429	11.448,424	10,310	9,839
8							58	37	88.435	1.018,702	10.337,995	10,148	9,677
9							59	38	87.539	933,681	9.319,293	9,981	9,510
10							60	39	86.558	854,834	8.385,613	9,810	9,339
11							61	40	85.515	781,975	7.530,779	9,630	9,159
12							62	41	84.414	714,732	6.748,804	9,442	8,971
13							63	42	83.195	652,229	6.034,072	9,251	8,780
14							64	43	81.900	594,520	5.381,843	9,052	8,581
15							65	44	80.503	541,090	4.787,323	8,848	8,377
16							66	45	78.983	491,550	4.246,233	8,638	8,167
17							67	46	77.349	445,722	3.754,683	8,424	7,953
18							68	47	75.556	403,140	3.308,961	8,208	7,737
19							69	48	73.627	363,745	2.905,821	7,989	7,518
20							70	49	71.579	327,432	2.542,076	7,764	7,293
21	0	98.983	19.663,612	256.421,584	13,040	12,569	71	50	69.370	293,823	2.214,644	7,537	7,066
22	1	98.530	18.123,695	236.757,972	13,063	12,592	72	51	67.016	262,825	1.920,821	7,308	6,837
23	2	98.421	16.762,542	218.634,277	13,043	12,572	73	52	64.477	234,137	1.657,996	7,081	6,610
24	3	98.328	15.506,301	201.871,735	13,019	12,548	74	53	61.789	207,755	1.423,859	6,854	6,382
25	4	98.240	14.344,806	186.365,434	12,992	12,521	75	54	58.979	183,617	1.216,104	6,623	6,152
26	5	98.156	13.270,798	172.020,628	12,962	12,491	76	55	56.056	161,591	1.032,486	6,389	5,918
27	6	98.072	12.277,383	158.749,830	12,930	12,459	77	56	53.058	141,619	870,895	6,150	5,679
28	7	97.993	11.358,771	146.472,447	12,895	12,424	78	57	49.953	123,454	729,276	5,907	5,436
29	8	97.913	10.508,734	135.113,676	12,857	12,386	79	58	46.711	106,891	605,822	5,668	5,197
30	9	97.835	9.722,532	124.604,942	12,816	12,345	80	59	43.390	91,937	498,931	5,427	4,956
31	10	97.757	8.995,187	114.882,409	12,772	12,300	81	60	39.961	78,400	406,994	5,191	4,720
32	11	97.671	8.321,600	105.887,222	12,724	12,253	82	61	36.478	66,266	328,594	4,959	4,488
33	12	97.582	7.698,150	97.565,623	12,674	12,203	83	62	32.868	55,285	262,328	4,745	4,274
34	13	97.488	7.121,060	89.867,472	12,620	12,149	84	63	29.334	45,685	207,043	4,532	4,061
35	14	97.386	6.586,638	82.746,413	12,563	12,092	85	64	25.922	37,380	161,358	4,317	3,846
36	15	97.272	6.091,647	76.159,775	12,502	12,031	86	65	22.742	30,366	123,978	4,083	3,612
37	16	97.145	5.633,040	70.068,128	12,439	11,968	87	66	19.568	24,193	93,612	3,869	3,398
38	17	97.007	5.208,373	64.435,088	12,371	11,900	88	67	16.479	18,864	69,420	3,680	3,209
39	18	96.852	4.814,863	59.226,715	12,301	11,830	89	68	13.612	14,428	50,556	3,504	3,033
40	19	96.675	4.450,055	54.411,852	12,227	11,756	90	69	11.037	10,832	36,128	3,335	2,864
41	20	96.482	4.112,185	49.961,798	12,150	11,679	91	70	8.782	7,981	25,296	3,170	2,699
42	21	96.268	3.799,145	45.849,613	12,068	11,597	92	71	6.816	5,735	17,315	3,019	2,548
43	22	96.033	3.509,109	42.050,468	11,983	11,512	93	72	5.164	4,023	11,580	2,879	2,407
44	23	95.769	3.240,254	38.541,359	11,895	11,424	94	73	3.815	2,752	7,557	2,746	2,275
45	24	95.487	2.991,406	35.301,104	11,801	11,330	95	74	2.743	1,832	4,805	2,622	2,151
46	25	95.167	2.760,547	32.309,699	11,704	11,233	96	75	1.918	1,186	2,973	2,506	2,035
47	26	94.821	2.546,759	29.549,152	11,603	11,132	97	76	1.301	0,745	1,787	2,397	1,926
48	27	94.439	2.348,615	27.002,392	11,497	11,026	98	77	856	0,454	1,041	2,295	1,824
49	28	94.026	2.165,134	24.653,778	11,387	10,916	99	78	544	0,267	0,588	2,199	1,728
							100	79	334	0,152	0,320	2,109	1,638

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 22 Jahre

Zinsfuß 8,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	28	93.604	1.995,756	22.510,276	11,279	10,808
1							51	29	93.113	1.838,219	20.514,520	11,160	10,689
2							52	30	92.603	1.692,741	18.676,301	11,033	10,562
3							53	31	92.030	1.557,650	16.983,560	10,903	10,432
4							54	32	91.419	1.432,691	15.425,909	10,767	10,296
5							55	33	90.766	1.317,090	13.993,218	10,624	10,153
6							56	34	90.050	1.209,916	12.676,128	10,477	10,006
7							57	35	89.303	1.110,998	11.466,212	10,321	9,850
8							58	36	88.485	1.019,278	10.355,215	10,159	9,688
9							59	37	87.592	934,253	9.335,936	9,993	9,522
10							60	38	86.619	855,432	8.401,683	9,822	9,351
11							61	39	85.583	782,601	7.546,251	9,643	9,171
12							62	40	84.488	715,354	6.763,649	9,455	8,984
13							63	41	83.277	652,875	6.048,295	9,264	8,793
14							64	42	81.993	595,189	5.395,420	9,065	8,594
15							65	43	80.608	541,793	4.800,231	8,860	8,389
16							66	44	79.093	492,235	4.258,438	8,651	8,180
17							67	45	77.472	446,430	3.766,203	8,436	7,965
18							68	46	75.692	403,865	3.319,773	8,220	7,749
19							69	47	73.770	364,454	2.915,907	8,001	7,530
20							70	48	71.731	328,128	2.551,454	7,776	7,305
21							71	49	69.537	294,532	2.223,326	7,549	7,078
22	0	98.906	18.192,772	236.882,360	13,021	12,550	72	50	67.186	263,491	1.928,795	7,320	6,849
23	1	98.456	16.768,547	218.689,587	13,042	12,571	73	51	64.657	234,789	1.665,304	7,093	6,622
24	2	98.348	15.509,368	201.921,040	13,019	12,548	74	52	61.976	208,385	1.430,515	6,865	6,394
25	3	98.257	14.347,269	186.411,673	12,993	12,522	75	53	59.166	184,199	1.222,129	6,635	6,164
26	4	98.168	13.272,512	172.064,404	12,964	12,493	76	54	56.252	162,155	1.037,930	6,401	5,930
27	5	98.085	12.278,988	158.791,892	12,932	12,461	77	55	53.260	142,158	875,775	6,161	5,690
28	6	98.002	11.359,818	146.512,903	12,897	12,426	78	56	50.154	123,951	733,617	5,919	5,448
29	7	97.921	10.509,650	135.153,086	12,860	12,389	79	57	46.920	107,370	609,666	5,678	5,207
30	8	97.844	9.723,466	124.643,436	12,819	12,348	80	58	43.600	92,382	502,295	5,437	4,966
31	9	97.763	8.995,768	114.919,970	12,775	12,304	81	59	40.166	78,801	409,913	5,202	4,731
32	10	97.680	8.322,300	105.924,202	12,728	12,257	82	60	36.680	66,632	331,113	4,969	4,498
33	11	97.591	7.698,872	97.601,903	12,677	12,206	83	61	33.054	55,598	264,480	4,757	4,286
34	12	97.497	7.121,664	89.903,030	12,624	12,153	84	62	29.519	45,974	208,882	4,544	4,072
35	13	97.395	6.587,276	82.781,366	12,567	12,096	85	63	26.099	37,636	162,908	4,328	3,857
36	14	97.284	6.092,357	76.194,089	12,507	12,035	86	64	22.909	30,589	125,272	4,095	3,624
37	15	97.163	5.634,046	70.101,733	12,443	11,971	87	65	19.729	24,392	94,683	3,882	3,411
38	16	97.028	5.209,476	64.467,686	12,375	11,904	88	66	16.630	19,037	70,291	3,692	3,221
39	17	96.874	4.815,922	59.258,210	12,305	11,834	89	67	13.752	14,576	51,254	3,516	3,045
40	18	96.703	4.451,335	54.442,288	12,231	11,760	90	68	11.165	10,957	36,678	3,347	2,876
41	19	96.509	4.113,325	49.990,953	12,153	11,682	91	69	8.896	8,084	25,721	3,182	2,711
42	20	96.299	3.800,345	45.877,628	12,072	11,601	92	70	6.914	5,818	17,637	3,032	2,561
43	21	96.056	3.509,968	42.077,283	11,988	11,517	93	71	5.249	4,089	11,820	2,890	2,419
44	22	95.795	3.241,132	38.567,315	11,899	11,428	94	72	3.885	2,802	7,730	2,758	2,287
45	23	95.512	2.992,186	35.326,183	11,806	11,335	95	73	2.800	1,871	4,928	2,634	2,163
46	24	95.193	2.761,297	32.333,996	11,710	11,239	96	74	1.963	1,214	3,057	2,518	2,047
47	25	94.844	2.547,386	29.572,699	11,609	11,138	97	75	1.336	0,765	1,843	2,410	1,939
48	26	94.466	2.349,272	27.025,313	11,504	11,033	98	76	881	0,467	1,078	2,308	1,837
49	27	94.054	2.165,765	24.676,041	11,394	10,923	99	77	563	0,276	0,611	2,213	1,742
							100	78	347	0,158	0,335	2,123	1,652

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 23 Jahre

Zinsfuß 8,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	27	93.631	1.996,337	22.530,085	11,286	10,815
1							51	28	93.140	1.838,765	20.533,747	11,167	10,696
2							52	29	92.630	1.693,237	18.694,982	11,041	10,570
3							53	30	92.060	1.558,161	17.001,746	10,911	10,440
4							54	31	91.451	1.433,203	15.443,585	10,776	10,305
5							55	32	90.798	1.317,559	14.010,382	10,634	10,163
6							56	33	90.086	1.210,399	12.692,823	10,486	10,015
7							57	34	89.345	1.111,519	11.482,424	10,330	9,859
8							58	35	88.531	1.019,800	10.370,905	10,170	9,698
9							59	36	87.642	934,782	9.351,104	10,004	9,532
10							60	37	86.672	855,957	8.416,322	9,833	9,362
11							61	38	85.643	783,149	7.560,365	9,654	9,183
12							62	39	84.555	715,927	6.777,216	9,466	8,995
13							63	40	83.350	653,443	6.061,289	9,276	8,805
14							64	41	82.074	595,778	5.407,846	9,077	8,606
15							65	42	80.699	542,404	4.812,068	8,872	8,401
16							66	43	79.196	492,875	4.269,664	8,663	8,192
17							67	44	77.580	447,052	3.776,789	8,448	7,977
18							68	45	75.813	404,507	3.329,737	8,232	7,761
19							69	46	73.903	365,109	2.925,230	8,012	7,541
20							70	47	71.871	328,767	2.560,121	7,787	7,316
21							71	48	69.685	295,157	2.231,354	7,560	7,089
22							72	49	67.348	264,127	1.936,197	7,331	6,860
23	0	98.831	16.832,459	218.803,868	12,999	12,528	73	50	64.820	235,384	1.672,070	7,104	6,633
24	1	98.383	15.514,924	201.971,409	13,018	12,547	74	51	62.149	208,966	1.436,686	6,875	6,404
25	2	98.276	14.350,106	186.456,485	12,993	12,522	75	52	59.345	184,758	1.227,721	6,645	6,174
26	3	98.185	13.274,791	172.106,379	12,965	12,494	76	53	56.430	162,669	1.042,963	6,412	5,941
27	4	98.098	12.280,574	158.831,588	12,934	12,463	77	54	53.446	142,654	880,294	6,171	5,700
28	5	98.015	11.361,303	146.551,014	12,899	12,428	78	55	50.345	124,423	737,640	5,929	5,457
29	6	97.930	10.510,618	135.189,711	12,862	12,391	79	56	47.109	107,803	613,217	5,688	5,217
30	7	97.852	9.724,313	124.679,093	12,821	12,350	80	57	43.796	92,796	505,414	5,446	4,975
31	8	97.772	8.996,632	114.954,780	12,778	12,306	81	58	40.360	79,182	412,618	5,211	4,740
32	9	97.686	8.322,837	105.958,149	12,731	12,260	82	59	36.868	66,973	333,436	4,979	4,508
33	10	97.599	7.699,520	97.635,311	12,681	12,210	83	60	33.237	55,906	266,463	4,766	4,295
34	11	97.506	7.122,332	89.935,791	12,627	12,156	84	61	29.686	46,234	210,558	4,554	4,083
35	12	97.403	6.587,836	82.813,459	12,571	12,100	85	62	26.264	37,875	164,324	4,339	3,868
36	13	97.293	6.092,947	76.225,623	12,510	12,039	86	63	23.066	30,799	126,449	4,106	3,635
37	14	97.174	5.634,703	70.132,676	12,447	11,976	87	64	19.875	24,572	95,650	3,893	3,422
38	15	97.045	5.210,407	64.497,973	12,379	11,908	88	65	16.766	19,193	71,079	3,703	3,232
39	16	96.894	4.816,942	59.287,566	12,308	11,837	89	66	13.877	14,709	51,885	3,527	3,056
40	17	96.724	4.452,314	54.470,624	12,234	11,763	90	67	11.279	11,070	37,176	3,358	2,887
41	18	96.537	4.114,508	50.018,309	12,157	11,686	91	68	8.998	8,177	26,106	3,193	2,722
42	19	96.325	3.801,399	45.903,801	12,076	11,604	92	69	7.003	5,893	17,929	3,042	2,571
43	20	96.086	3.511,077	42.102,402	11,991	11,520	93	70	5.324	4,148	12,036	2,901	2,430
44	21	95.818	3.241,925	38.591,325	11,904	11,433	94	71	3.949	2,849	7,888	2,769	2,298
45	22	95.538	2.992,997	35.349,400	11,811	11,340	95	72	2.852	1,905	5,039	2,645	2,174
46	23	95.218	2.762,018	32.356,403	11,715	11,244	96	73	2.004	1,239	3,134	2,529	2,058
47	24	94.870	2.548,078	29.594,385	11,614	11,143	97	74	1.367	0,783	1,895	2,421	1,950
48	25	94.489	2.349,850	27.046,307	11,510	11,039	98	75	905	0,480	1,112	2,319	1,848
49	26	94.080	2.166,372	24.696,456	11,400	10,929	99	76	579	0,284	0,633	2,224	1,753
							100	77	359	0,163	0,348	2,135	1,664

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 24 Jahre

Zinsfuß 8,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	26	93.658	1.996,897	22.548,248	11,292	10,821
1							51	27	93.167	1.839,301	20.551,352	11,173	10,702
2							52	28	92.658	1.693,739	18.712,051	11,048	10,577
3							53	29	92.087	1.558,617	17.018,311	10,919	10,448
4							54	30	91.481	1.433,673	15.459,695	10,783	10,312
5							55	31	90.830	1.318,029	14.026,022	10,642	10,171
6							56	32	90.118	1.210,830	12.707,992	10,495	10,024
7							57	33	89.381	1.111,963	11.497,163	10,340	9,868
8							58	34	88.572	1.020,279	10.385,199	10,179	9,708
9							59	35	87.687	935,261	9.364,921	10,013	9,542
10							60	36	86.721	856,441	8.429,660	9,843	9,372
11							61	37	85.696	783,630	7.573,219	9,664	9,193
12							62	38	84.615	716,428	6.789,589	9,477	9,006
13							63	39	83.417	653,967	6.073,160	9,287	8,816
14							64	40	82.145	596,297	5.419,194	9,088	8,617
15							65	41	80.779	542,940	4.822,897	8,883	8,412
16							66	42	79.285	493,430	4.279,957	8,674	8,203
17							67	43	77.681	447,633	3.786,527	8,459	7,988
18							68	44	75.918	405,071	3.338,894	8,243	7,772
19							69	45	74.020	365,689	2.933,823	8,023	7,552
20							70	46	72.000	329,358	2.568,134	7,797	7,326
21							71	47	69.821	295,732	2.238,775	7,570	7,099
22							72	48	67.491	264,688	1.943,043	7,341	6,870
23							73	49	64.977	235,952	1.678,355	7,113	6,642
24	0	98.758	15.574,058	202.076,405	12,975	12,504	74	50	62.306	209,495	1.442,403	6,885	6,414
25	1	98.312	14.355,247	186.502,347	12,992	12,521	75	51	59.510	185,272	1.232,908	6,655	6,184
26	2	98.204	13.277,416	172.147,100	12,965	12,494	76	52	56.601	163,162	1.047,636	6,421	5,950
27	3	98.115	12.282,683	158.869,684	12,934	12,463	77	53	53.615	143,106	884,474	6,181	5,710
28	4	98.028	11.362,770	146.587,001	12,901	12,430	78	54	50.520	124,857	741,368	5,938	5,467
29	5	97.943	10.511,992	135.224,231	12,864	12,393	79	55	47.288	108,213	616,511	5,697	5,226
30	6	97.861	9.725,209	124.712,239	12,824	12,353	80	56	43.972	93,170	508,299	5,456	4,985
31	7	97.781	8.997,415	114.987,030	12,780	12,309	81	57	40.541	79,537	415,128	5,219	4,748
32	8	97.695	8.323,636	105.989,614	12,734	12,263	82	58	37.046	67,297	335,591	4,987	4,516
33	9	97.606	7.700,017	97.665,978	12,684	12,213	83	59	33.407	56,191	268,294	4,775	4,304
34	10	97.514	7.122,931	89.965,960	12,630	12,159	84	60	29.851	46,490	212,103	4,562	4,091
35	11	97.413	6.588,454	82.843,029	12,574	12,103	85	61	26.413	38,089	165,613	4,348	3,877
36	12	97.301	6.093,464	76.254,575	12,514	12,043	86	62	23.212	30,994	127,524	4,114	3,643
37	13	97.183	5.635,249	70.161,111	12,450	11,979	87	63	20.011	24,740	96,530	3,902	3,431
38	14	97.057	5.211,014	64.525,862	12,383	11,912	88	64	16.890	19,335	71,790	3,713	3,242
39	15	96.912	4.817,803	59.314,848	12,312	11,841	89	65	13.992	14,830	52,456	3,537	3,066
40	16	96.745	4.453,258	54.497,044	12,238	11,767	90	66	11.382	11,171	37,625	3,368	2,897
41	17	96.558	4.115,414	50.043,787	12,160	11,689	91	67	9.091	8,261	26,454	3,202	2,731
42	18	96.353	3.802,493	45.928,373	12,078	11,607	92	68	7.084	5,961	18,193	3,052	2,581
43	19	96.113	3.512,051	42.125,881	11,995	11,524	93	69	5.393	4,202	12,232	2,911	2,440
44	20	95.849	3.242,949	38.613,830	11,907	11,436	94	70	4.006	2,890	8,030	2,779	2,308
45	21	95.561	2.993,729	35.370,881	11,815	11,344	95	71	2.899	1,936	5,141	2,655	2,184
46	22	95.244	2.762,766	32.377,151	11,719	11,248	96	72	2.040	1,262	3,204	2,539	2,068
47	23	94.895	2.548,743	29.614,385	11,619	11,148	97	73	1.395	0,799	1,942	2,431	1,959
48	24	94.515	2.350,489	27.065,642	11,515	11,044	98	74	926	0,491	1,143	2,329	1,858
49	25	94.103	2.166,905	24.715,153	11,406	10,935	99	75	595	0,292	0,652	2,234	1,763
							100	76	369	0,168	0,360	2,145	1,674

**Kommutationszahlen und Versicherungsbarwerte einer lebenslänglich, vorschüssig zahlbaren Verbindungsrente
nach der Sterbetafel 2002/2004**

Altersdifferenz zwischen Mann und Frau (x - y) = 25 Jahre

Zinsfuß 8,00%

Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$	Mann x	Frau y	$l_{xy} : 10^5$	D_{xy}	N_{xy}	\ddot{a}_{xy}	$^{(12)}\ddot{a}_{xy}$
0							50	25	93.681	1.997,388	22.564,881	11,297	10,826
1							51	26	93.194	1.839,816	20.567,493	11,179	10,708
2							52	27	92.685	1.694,233	18.727,677	11,054	10,583
3							53	28	92.114	1.559,080	17.033,444	10,925	10,454
4							54	29	91.508	1.434,093	15.474,364	10,790	10,319
5							55	30	90.860	1.318,461	14.040,272	10,649	10,178
6							56	31	90.151	1.211,262	12.721,810	10,503	10,032
7							57	32	89.413	1.112,359	11.510,548	10,348	9,877
8							58	33	88.607	1.020,687	10.398,189	10,187	9,716
9							59	34	87.728	935,700	9.377,503	10,022	9,551
10							60	35	86.765	856,880	8.441,803	9,852	9,381
11							61	36	85.744	784,073	7.584,923	9,674	9,203
12							62	37	84.667	716,868	6.800,850	9,487	9,016
13							63	38	83.475	654,424	6.083,982	9,297	8,826
14							64	39	82.211	596,774	5.429,558	9,098	8,627
15							65	40	80.849	543,413	4.832,784	8,893	8,422
16							66	41	79.364	493,918	4.289,371	8,684	8,213
17							67	42	77.768	448,137	3.795,453	8,469	7,998
18							68	43	76.017	405,597	3.347,315	8,253	7,782
19							69	44	74.124	366,199	2.941,718	8,033	7,562
20							70	45	72.114	329,882	2.575,519	7,807	7,336
21							71	46	69.947	296,265	2.245,637	7,580	7,109
22							72	47	67.622	265,203	1.949,373	7,350	6,879
23							73	48	65.115	236,453	1.684,169	7,123	6,652
24							74	49	62.457	210,000	1.447,716	6,894	6,423
25	0	98.686	14.409,961	186.598,812	12,949	12,478	75	50	59.661	185,741	1.237,716	6,664	6,193
26	1	98.240	13.282,173	172.188,851	12,964	12,493	76	51	56.759	163,617	1.051,974	6,430	5,958
27	2	98.134	12.285,111	158.906,678	12,935	12,464	77	52	53.778	143,540	888,358	6,189	5,718
28	3	98.045	11.364,721	146.621,566	12,901	12,430	78	53	50.680	125,252	744,818	5,947	5,475
29	4	97.956	10.513,350	135.256,845	12,865	12,394	79	54	47.454	108,591	619,566	5,706	5,234
30	5	97.874	9.726,480	124.743,495	12,825	12,354	80	55	44.139	93,525	510,975	5,464	4,992
31	6	97.790	8.998,244	115.017,015	12,782	12,311	81	56	40.704	79,858	417,451	5,227	4,756
32	7	97.704	8.324,361	106.018,770	12,736	12,265	82	57	37.212	67,599	337,593	4,994	4,523
33	8	97.615	7.700,757	97.694,409	12,686	12,215	83	58	33.569	56,463	269,994	4,782	4,311
34	9	97.520	7.123,392	89.993,652	12,634	12,162	84	59	30.003	46,727	213,531	4,570	4,099
35	10	97.421	6.589,008	82.870,261	12,577	12,106	85	60	26.559	38,300	166,804	4,355	3,884
36	11	97.311	6.094,036	76.281,253	12,517	12,046	86	61	23.344	31,169	128,504	4,123	3,652
37	12	97.192	5.635,728	70.187,217	12,454	11,983	87	62	20.137	24,897	97,335	3,910	3,439
38	13	97.066	5.211,519	64.551,489	12,386	11,915	88	63	17.006	19,467	72,438	3,721	3,250
39	14	96.923	4.818,365	59.339,970	12,315	11,844	89	64	14.095	14,940	52,971	3,546	3,075
40	15	96.762	4.454,053	54.521,605	12,241	11,770	90	65	11.476	11,263	38,031	3,377	2,906
41	16	96.578	4.116,285	50.067,552	12,163	11,692	91	66	9.174	8,337	26,768	3,211	2,740
42	17	96.374	3.803,329	45.951,267	12,082	11,611	92	67	7.157	6,022	18,432	3,061	2,590
43	18	96.141	3.513,061	42.147,937	11,997	11,526	93	68	5.456	4,250	12,410	2,920	2,449
44	19	95.875	3.243,849	38.634,876	11,910	11,439	94	69	4.058	2,927	8,159	2,787	2,316
45	20	95.591	2.994,675	35.391,028	11,818	11,347	95	70	2.941	1,964	5,232	2,664	2,193
46	21	95.267	2.763,442	32.396,353	11,723	11,252	96	71	2.074	1,283	3,268	2,547	2,076
47	22	94.921	2.549,434	29.632,911	11,623	11,152	97	72	1.421	0,814	1,985	2,439	1,968
48	23	94.539	2.351,102	27.083,477	11,519	11,048	98	73	945	0,501	1,171	2,338	1,867
49	24	94.129	2.167,494	24.732,375	11,411	10,940	99	74	609	0,299	0,670	2,243	1,772
							100	75	379	0,172	0,371	2,154	1,683