

Actuarial Tables Based on the U. S. Life Tables: 1989-91

Actuarial Study No. 113

Social Security Administration
Office of the Chief Actuary

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by Felicitie C. Bell
Alice H. Wade, A.S.A.

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List of Actuarial Tables Based on U. S. Mortality During 1989-91

Table	Race and Sex	Interest Rate (percent)	Page
1.A.	Total Population	1	4
1.B.	Total Population	2	5
1.C.	Total Population	3	6
1.D.	Total Population	4	7
1.E.	Total Population	5	8
1.F.	Total Population	6	9
1.G.	Total Population	7	10
1.H.	Total Population	8	11
1.I.	Total Population	9	12
1.J.	Total Population	10	13
1.K.	Total Population	11	14
1.L.	Total Population	12	15
2.A.	Total Males.....	1	16
2.B.	Total Males.....	2	17
2.C.	Total Males.....	3	18
2.D.	Total Males.....	4	19
2.E.	Total Males.....	5	20
2.F.	Total Males.....	6	21
2.G.	Total Males.....	7	22
2.H.	Total Males.....	8	23
2.I.	Total Males.....	9	24
2.J.	Total Males.....	10	25
2.K.	Total Males.....	11	26
2.L.	Total Males.....	12	27
3.A.	Total Females	1	28
3.B.	Total Females	2	29
3.C.	Total Females	3	30
3.D.	Total Females	4	31
3.E.	Total Females	5	32
3.F.	Total Females	6	33
3.G.	Total Females	7	34
3.H.	Total Females	8	35
3.I.	Total Females	9	36
3.J.	Total Females	10	37
3.K.	Total Females	11	38
3.L.	Total Females	12	39
4.A.	Total White Population	1	40
4.B.	Total White Population	2	41
4.C.	Total White Population	3	42

Table	Race and Sex	Interest Rate (percent)	Page
4.D.	Total White Population	4	43
4.E.	Total White Population	5	44
4.F.	Total White Population	6	45
4.G.	Total White Population	7	46
4.H.	Total White Population	8	47
4.I.	Total White Population	9	48
4.J.	Total White Population	10	49
4.K.	Total White Population	11	50
4.L.	Total White Population	12	51
5.A.	White Males	1	52
5.B.	White Males	2	53
5.C.	White Males	3	54
5.D.	White Males	4	55
5.E.	White Males	5	56
5.F.	White Males	6	57
5.G.	White Males	7	58
5.H.	White Males	8	59
5.I.	White Males	9	60
5.J.	White Males	10	61
5.K.	White Males	11	62
5.L.	White Males	12	63
6.A.	White Females	1	64
6.B.	White Females	2	65
6.C.	White Females	3	66
6.D.	White Females	4	67
6.E.	White Females	5	68
6.F.	White Females	6	69
6.G.	White Females	7	70
6.H.	White Females	8	71
6.I.	White Females	9	72
6.J.	White Females	10	73
6.K.	White Females	11	74
6.L.	White Females	12	75
7.A.	Total Other than White Population	1	76
7.B.	Total Other than White Population	2	77
7.C.	Total Other than White Population	3	78
7.D.	Total Other than White Population	4	79
7.E.	Total Other than White Population	5	80
7.F.	Total Other than White Population	6	81
7.G.	Total Other than White Population	7	82
7.H.	Total Other than White Population	8	83
7.I.	Total Other than White Population	9	84

Table	Race and Sex	Interest Rate (percent)	Page
7.J.	Total Other than White Population	10	85
7.K.	Total Other than White Population	11	86
7.L.	Total Other than White Population	12	87
8.A.	Males Other than White	1	88
8.B.	Males Other than White	2	89
8.C.	Males Other than White	3	90
8.D.	Males Other than White	4	91
8.E.	Males Other than White	5	92
8.F.	Males Other than White	6	93
8.G.	Males Other than White	7	94
8.H.	Males Other than White	8	95
8.I.	Males Other than White	9	96
8.J.	Males Other than White	10	97
8.K.	Males Other than White	11	98
8.L.	Males Other than White	12	99
9.A.	Females Other than White	1	100
9.B.	Females Other than White	2	101
9.C.	Females Other than White	3	102
9.D.	Females Other than White	4	103
9.E.	Females Other than White	5	104
9.F.	Females Other than White	6	105
9.G.	Females Other than White	7	106
9.H.	Females Other than White	8	107
9.I.	Females Other than White	9	108
9.J.	Females Other than White	10	109
9.K.	Females Other than White	11	110
9.L.	Females Other than White	12	111
10.A.	Total Black Population.....	1	112
10.B.	Total Black Population.....	2	113
10.C.	Total Black Population.....	3	114
10.D.	Total Black Population.....	4	115
10.E.	Total Black Population.....	5	116
10.F.	Total Black Population.....	6	117
10.G.	Total Black Population.....	7	118
10.H.	Total Black Population.....	8	119
10.I.	Total Black Population.....	9	120
10.J.	Total Black Population.....	10	121
10.K.	Total Black Population.....	11	122
10.L.	Total Black Population.....	12	123
11.A.	Black Males	1	124
11.B.	Black Males	2	125

Table	Race and Sex	Interest Rate (percent)	Page
11.C.	Black Males	3	126
11.D.	Black Males	4	127
11.E.	Black Males	5	128
11.F.	Black Males	6	129
11.G.	Black Males	7	130
11.H.	Black Males	8	131
11.I.	Black Males	9	132
11.J.	Black Males	10	133
11.K.	Black Males	11	134
11.L.	Black Males	12	135
12.A.	Black Females	1	136
12.B.	Black Females	2	137
12.C.	Black Females	3	138
12.D.	Black Females	4	139
12.E.	Black Females	5	140
12.F.	Black Females	6	141
12.G.	Black Females	7	142
12.H.	Black Females	8	143
12.I.	Black Females	9	144
12.J.	Black Females	10	145
12.K.	Black Females	11	146
12.L.	Black Females	12	147

Actuarial Tables Based on the U. S. Life Tables: 1989-91

I. Introduction

The National Center for Health Statistics (NCHS) prepares, at 10 year intervals, life tables for the death registration states based on a census of population and deaths in a three year period containing the census year. The series of tables began with tables for the period 1900-1902. The most recent set of tables is for the period 1989-1991. The actuarial functions published in this study are based on the most recent set of tables as published in "U. S. Decennial Life Tables for 1989-91", Vol. 1, No. 1, DHHS Publication No. PHS-98-1150-1 by the National Center for Health Statistics. Copies of this publication may be downloaded from the NCHS web site at <http://www.cdc.gov/nchswww/data/> with the file name dec89_91.pdf. A printed copy may be obtained from the Government Printing Office (phone number: 202-512-1800) for a price of \$3.50. The publication number which must be given to the Government Printing Office when requesting the publication is 017-022-01395-9.

The actuarial functions in this study can be used to calculate present values of expected future payments contingent upon the death or survival of a designated individual. A series of periodic payments to continue during the life of an individual is called a life annuity. A payment to be made on the death of an individual is called a life insurance.

As with the 1989-91 decennial life tables, the actuarial functions included in here were calculated by sex and for both sexes combined for the total population, the white population, the population other than white and the black population. For each race sex combinations described, actuarial functions were tabulated using interest rates of 1%, 2%, 3%, 4%, 5%, 6%, 7%, 8%, 9%, 10%, 11%, and 12%. The values were calculated to more decimal places than are shown and were rounded individually by the computer. Therefore, there may be small discrepancies from the mathematical relationships that should hold among the various columns.

Actuarial textbooks¹ should be consulted for more detailed information about actuarial functions than is presented in this study.

II. Life Annuities

Let i denote the annual assumed rate of interest expressed in decimal form (e.g., $i = .07$ if the rate is 7 percent). Then \$1 deposited now will accumulate at compound interest to $(1+i)^n$ at the end of n years. Conversely, the present value today of a payment of \$1 due at the end of n years is $(1+i)^{-n} = v^n$ where v is used to denote the reciprocal of $(1+i)$. Thus, the present value of a series of payments of \$1 due at the end of each of the next 10 years is given by the equation

$$v + v^2 + v^3 + \dots + v^{10} .$$

¹ Bowers, N.L. Jr., et.al., Actuarial Mathematics (2nd ed.), Itasca,IL Society of Actuaries, 1997

Now suppose that the series of payments is paid at the end of the year only if an individual now exact age x is alive at the time the payment is to be made. In the life table l_x is the number of survivors to age x out of l_0 births. Therefore, using the mortality experience of a specific life table, the probability of an individual exact age x surviving to age $x + t$ is

$$l_{x+t} \div l_x .$$

The formula for the present value of the series of payments of \$1 due at the end of each of the next 10 years to an individual exact age x provided that individual is alive at the time each payment is to be made becomes

$$(vl_{x+1} \div l_x) + (v^2l_{x+2} \div l_x) + \dots + (v^{10}l_{x+10} \div l_x) .$$

If the period of payments is extended from 10 years to the lifetime of the individual the present value or life annuity, denoted a_x , is as follows

$$a_x = (vl_{x+1} \div l_x) + (v^2l_{x+2} \div l_x) + (v^3l_{x+3} \div l_x) + \dots$$

where the addition continues to the end of the life table¹.

The preceding formula provides a means of calculating a_x , the present value at age x of a life annuity of \$1 per year. However, it would be laborious to make this calculation for many different ages and interest rates. Thus a shortcut method of tabulating certain auxiliary values called commutation functions is used. If each term of the right hand side of the equation were multiplied by $v^x \div v^x$ the equation becomes

$$a_x = ((v^{x+1}l_{x+1}) \div (v^xl_x)) + ((v^{x+2}l_{x+2}) \div (v^xl_x)) + \dots$$

If we define the following commutation functions

$$D_x = v^xl_x$$

and

$$N_x = D_x + D_{x+1} + D_{x+2} + \dots ,$$

the formula can be written as

$$a_x = N_{x+1} \div D_x .$$

The preceding formula is a special case of the general life annuity formula. The value at age k of a life annuity of R per annum under which the first payment is made at age y and the last payment at age $j-1$ (all payments being contingent upon the survival of the annuitant) is

$$R(N_y - N_j) \div D_k .$$

¹ In this study, the end of the life table differed with each race-sex combination of the population. The ending age was chosen to be consistent with the values published in "U.S. Decennial Life Tables for 1989-91". Actuarial functions, however, are not shown beyond age 109.

III. Life Insurance

A life insurance is a contract to pay a designated amount of money on the death of a certain individual, called the insured. In the life table, the probability of an individual exact age x dying between ages $x + t$ and $x + t + 1$ can be expressed as

$$(l_{x+t} - l_{x+t+1}) \div l_x$$

or

$$d_{x+t} \div l_x$$

where $d_{x+t} = l_{x+t} - l_{x+t+1}$ denotes the number of deaths between ages $x + t$ and $x + t + 1$ in the life table. Then the present value, denoted A_x , of the payment of \$1 on the next birthday of the insured following his date of death is as follows

$$A_x = (vd_x \div l_x) + (v^2d_{x+1} \div l_x) + (v^3d_{x+2} \div l_x) + \dots$$

Multiplying each term of the right hand side of the equation by $v^x \div v^x$ yields

$$A_x = ((v^{x+1}d_x) \div (v^xl_x)) + ((v^{x+2}d_{x+1}) \div (v^xl_x)) + \dots$$

Introduction of two new commutation functions,

$$C_x = v^{x+1}d_x$$

and

$$M_x = C_x + C_{x+1} + C_{x+2} + \dots$$

gives

$$A_x = M_x \div D_x .$$

In fact, there is a general life insurance formula,

$$R(M_y - M_j) \div D_k .$$

which gives the present value determined at age k for life insurance coverage commencing at age y and terminating at age j with R as the amount of insurance.

**Table 1.A. -- Actuarial Functions at 1.0 Percent Interest for 1989-91 United States
Total Population**

x	D_x	N_x	M_x	a_x	x	D_x	N_x	M_x	a_x
0	100,000.000	5,272,092.88	47,801.061	51.7209	55	51,869.670	1,142,892.81	40,553.900	21.0339
1	98,083.168	5,172,092.88	46,874.328	51.7317	56	50,959.159	1,091,023.14	40,156.950	20.4098
2	97,041.467	5,074,009.71	46,803.747	51.2870	57	50,028.699	1,040,063.98	39,731.036	19.7893
3	96,034.072	4,976,968.24	46,757.158	50.8250	58	49,074.609	990,035.28	39,272.279	19.1741
4	95,047.683	4,880,934.17	46,721.602	50.3525	59	48,093.366	940,960.68	38,776.924	18.5653
5	94,078.073	4,785,886.49	46,693.058	49.8714	60	47,083.809	892,867.31	38,243.538	17.9634
6	93,121.172	4,691,808.42	46,667.623	49.3839	61	46,047.018	845,783.50	37,672.924	17.3678
7	92,176.794	4,598,687.24	46,645.238	48.8899	62	44,985.672	799,736.48	37,067.489	16.7776
8	91,242.913	4,506,510.45	46,623.997	48.3903	63	43,899.690	754,750.81	36,426.910	16.1926
9	90,321.231	4,415,267.54	46,605.711	47.8840	64	42,786.898	710,851.12	35,748.769	15.6138
10	89,411.571	4,324,946.31	46,590.321	47.3712	65	41,646.798	668,064.22	35,032.301	15.0412
11	88,511.967	4,235,534.73	46,575.980	46.8527	66	40,481.002	626,417.43	34,278.850	14.4744
12	87,621.412	4,147,022.77	46,561.780	46.3289	67	39,292.109	585,936.42	33,490.759	13.9123
13	86,735.421	4,059,401.36	46,543.329	45.8021	68	38,077.549	546,644.31	32,665.229	13.3561
14	85,848.816	3,972,665.93	46,515.490	45.2751	69	36,834.368	508,566.76	31,799.053	12.8069
15	84,959.205	3,886,817.12	46,475.868	44.7492	70	35,558.253	471,732.40	30,887.635	12.2665
16	84,065.150	3,801,857.91	46,422.993	44.2251	71	34,246.072	436,174.14	29,927.516	11.7365
17	83,168.649	3,717,792.76	46,358.820	43.7019	72	32,897.280	401,928.07	28,917.795	11.2177
18	82,271.628	3,634,624.11	46,285.251	43.1783	73	31,512.350	369,030.79	27,858.580	10.7107
19	81,378.422	3,552,352.49	46,206.615	42.6523	74	30,097.986	337,518.44	26,756.220	10.2140
20	80,491.560	3,470,974.06	46,125.480	42.1222	75	28,660.653	307,420.45	25,616.887	9.7262
21	79,611.848	3,390,482.50	46,042.714	41.5877	76	27,206.113	278,759.80	24,446.115	9.2462
22	78,737.649	3,310,870.66	45,956.751	41.0494	77	25,736.665	251,553.69	23,246.035	8.7741
23	77,870.569	3,232,133.01	45,869.252	40.5065	78	24,253.612	225,817.02	22,017.800	8.3107
24	77,011.366	3,154,262.44	45,781.045	39.9584	79	22,755.485	201,563.41	20,759.808	7.8578
25	76,160.764	3,077,251.07	45,692.931	39.4047	80	21,240.437	178,807.93	19,470.062	7.4183
26	75,317.911	3,001,090.31	45,604.146	38.8456	81	19,710.281	157,567.49	18,150.207	6.9942
27	74,484.283	2,925,772.40	45,516.239	38.2804	82	18,171.637	137,857.21	16,806.714	6.5864
28	73,656.751	2,851,288.11	45,426.176	37.7105	83	16,635.697	119,685.57	15,450.691	6.1945
29	72,835.307	2,777,631.36	45,334.007	37.1358	84	15,119.286	103,049.87	14,098.990	5.8158
30	72,018.458	2,704,796.06	45,238.299	36.5570	85	13,636.422	87,930.59	12,765.822	5.4482
31	71,205.501	2,632,777.60	45,138.396	35.9744	86	12,191.215	74,294.17	11,455.629	5.0941
32	70,396.492	2,561,572.10	45,034.392	35.3878	87	10,787.595	62,102.95	10,172.714	4.7569
33	69,592.201	2,491,175.61	44,927.096	34.7968	88	9,439.319	51,315.36	8,931.247	4.4363
34	68,791.233	2,421,583.40	44,815.160	34.2019	89	8,159.995	41,876.04	7,745.381	4.1319
35	67,995.067	2,352,792.17	44,700.095	33.6024	90	6,961.436	33,716.04	6,627.614	3.8433
36	67,201.634	2,284,797.10	44,579.880	32.9991	91	5,849.294	26,754.61	5,584.397	3.5740
37	66,411.018	2,217,595.47	44,454.628	32.3920	92	4,830.554	20,905.31	4,623.571	3.3277
38	65,623.989	2,151,184.45	44,325.134	31.7805	93	3,917.824	16,074.76	3,758.668	3.1030
39	64,839.251	2,085,560.46	44,190.138	31.1651	94	3,120.417	12,156.93	3,000.051	2.8959
40	64,057.575	2,020,721.21	44,050.434	30.5454	95	2,440.998	9,036.52	2,351.528	2.7020
41	63,279.036	1,956,663.64	43,906.128	29.9212	96	1,872.995	6,595.52	1,807.693	2.5214
42	62,502.391	1,893,384.60	43,756.009	29.2930	97	1,407.046	4,722.52	1,360.288	2.3563
43	61,726.448	1,830,882.21	43,598.901	28.6612	98	1,035.237	3,315.48	1,002.411	2.2026
44	60,950.061	1,769,155.76	43,433.667	28.0263	99	746.447	2,280.24	723.870	2.0548
45	60,169.577	1,708,205.70	43,256.649	27.3899	100	526.570	1,533.79	511.384	1.9128
46	59,384.653	1,648,036.12	43,067.463	26.7519	101	362.770	1,007.22	352.798	1.7765
47	58,591.832	1,588,651.47	42,862.610	26.1139	102	243.588	644.45	237.207	1.6457
48	57,791.523	1,530,059.64	42,642.417	25.4755	103	159.058	400.87	155.089	1.5202
49	56,982.279	1,472,268.12	42,405.367	24.8373	104	100.751	241.81	98.357	1.4000
50	56,164.546	1,415,285.84	42,151.815	24.1989	105	61.735	141.06	60.338	1.2849
51	55,336.349	1,359,121.29	41,879.703	23.5611	106	36.476	79.32	35.691	1.1746
52	54,494.012	1,303,784.94	41,585.250	22.9253	107	20.707	42.85	20.283	1.0691
53	53,636.373	1,249,290.93	41,267.156	22.2919	108	11.248	22.14	11.029	0.9682
54	52,761.743	1,195,654.56	40,923.579	21.6614	109	5.818	10.89	5.711	0.8717

**Table 1.B. -- Actuarial Functions at 2.0 Percent Interest for 1989-91 United States
Total Population**

x	D_x	N_x	M_x	a_x	x	D_x	N_x	M_x	a_x
0	100,000.000	3,877,708.17	23,966.506	37.7771	55	30,170.298	584,643.71	18,706.696	18.3781
1	97,121.569	3,777,708.17	23,048.859	37.8967	56	29,350.099	554,473.41	18,478.071	17.8917
2	95,148.020	3,680,586.60	22,979.655	37.6827	57	28,531.705	525,123.31	18,235.169	17.4049
3	93,237.141	3,585,438.58	22,934.424	37.4550	58	27,713.193	496,591.61	17,976.102	16.9190
4	91,374.780	3,492,201.44	22,900.241	37.2184	59	26,892.805	468,878.41	17,699.110	16.4351
5	89,555.945	3,400,826.66	22,873.070	36.9743	60	26,070.161	441,985.61	17,403.776	15.9537
6	87,775.971	3,311,270.72	22,849.094	36.7241	61	25,246.131	415,915.45	17,090.926	15.4744
7	86,033.980	3,223,494.75	22,828.201	36.4677	62	24,422.422	390,669.32	16,762.239	14.9963
8	84,327.409	3,137,460.77	22,808.571	36.2057	63	23,599.195	366,246.89	16,417.883	14.5195
9	82,657.195	3,053,133.36	22,791.835	35.9373	64	22,775.490	342,647.70	16,056.908	14.0446
10	81,022.520	2,970,476.16	22,777.890	35.6624	65	21,951.275	319,872.21	15,679.271	13.5719
11	79,420.975	2,889,453.64	22,765.021	35.3815	66	21,127.621	297,920.93	15,286.034	13.1010
12	77,851.085	2,810,032.67	22,752.405	35.0950	67	20,306.070	276,793.31	14,878.750	12.6311
13	76,308.360	2,732,181.58	22,736.172	34.8045	68	19,485.463	256,487.24	14,456.301	12.1630
14	74,787.865	2,655,873.22	22,711.920	34.5121	69	18,664.491	237,001.78	14,017.398	11.6980
15	73,287.258	2,581,085.36	22,677.741	34.2187	70	17,841.220	218,337.29	13,560.097	11.2378
16	71,805.089	2,507,798.10	22,632.577	33.9251	71	17,014.379	200,496.07	13,083.084	10.7839
17	70,342.870	2,435,993.01	22,578.301	33.6303	72	16,184.025	183,481.69	12,586.345	10.3372
18	68,901.984	2,365,650.14	22,516.687	33.3336	73	15,350.713	167,297.67	12,070.366	9.8984
19	67,485.754	2,296,748.16	22,451.476	33.0331	74	14,517.987	151,946.95	11,538.635	9.4661
20	66,095.879	2,229,262.40	22,384.852	32.7277	75	13,689.142	137,428.97	10,994.457	9.0393
21	64,732.585	2,163,166.52	22,317.555	32.4170	76	12,867.016	123,739.82	10,440.745	8.6168
22	63,394.107	2,098,433.94	22,248.343	32.1014	77	12,052.713	110,872.81	9,878.737	8.1990
23	62,081.328	2,035,039.83	22,178.586	31.7802	78	11,246.831	98,820.09	9,309.182	7.7865
24	60,794.414	1,972,958.50	22,108.953	31.4530	79	10,448.671	87,573.26	8,731.548	7.3813
25	59,533.490	1,912,164.09	22,040.076	31.1191	80	9,657.386	77,124.59	8,145.140	6.9861
26	58,297.445	1,852,630.60	21,971.355	30.7789	81	8,873.811	67,467.21	7,550.925	6.6030
27	57,086.983	1,794,333.15	21,903.980	30.4316	82	8,100.888	58,593.39	6,951.998	6.2330
28	55,899.280	1,737,246.17	21,835.630	30.0781	83	7,343.460	50,492.51	6,353.411	5.8758
29	54,733.953	1,681,346.89	21,766.367	29.7185	84	6,608.642	43,149.05	5,762.583	5.5292
30	53,589.521	1,626,612.94	21,695.150	29.3532	85	5,902.046	36,540.40	5,185.568	5.1911
31	52,465.137	1,573,023.42	21,621.540	28.9823	86	5,224.808	30,638.36	4,624.056	4.8640
32	51,360.528	1,520,558.28	21,545.660	28.6056	87	4,577.931	25,413.55	4,079.626	4.5513
33	50,275.945	1,469,197.75	21,468.146	28.2227	88	3,966.491	20,835.62	3,557.949	4.2529
34	49,210.068	1,418,921.81	21,388.071	27.8340	89	3,395.290	16,869.13	3,064.523	3.9684
35	48,163.660	1,369,711.74	21,306.567	27.4387	90	2,868.184	13,473.84	2,603.991	3.6977
36	47,134.956	1,321,548.08	21,222.248	27.0375	91	2,386.343	10,605.65	2,178.389	3.4443
37	46,123.751	1,274,413.12	21,135.258	26.6303	92	1,951.405	8,219.31	1,790.243	3.2120
38	45,130.309	1,228,289.37	21,046.204	26.2165	93	1,567.172	6,267.91	1,444.272	2.9995
39	44,153.473	1,183,159.06	20,954.276	25.7965	94	1,235.963	4,700.73	1,143.792	2.8033
40	43,193.518	1,139,005.59	20,860.075	25.3698	95	957.374	3,464.77	889.437	2.6190
41	42,250.236	1,095,812.07	20,763.724	24.9362	96	727.398	2,507.40	678.233	2.4471
42	41,322.550	1,053,561.84	20,664.475	24.4961	97	541.084	1,780.00	506.182	2.2897
43	40,409.453	1,012,239.29	20,561.624	24.0496	98	394.201	1,238.91	369.909	2.1428
44	39,510.000	971,829.83	20,454.513	23.5971	99	281.448	844.71	264.885	2.0013
45	38,621.670	932,319.83	20,340.889	23.1398	100	196.597	563.26	185.552	1.8651
46	37,744.138	893,698.16	20,220.645	22.6778	101	134.114	366.67	126.924	1.7340
47	36,875.131	855,954.03	20,091.719	22.2122	102	89.170	232.55	84.610	1.6080
48	36,014.869	819,078.90	19,954.498	21.7428	103	57.655	143.38	54.844	1.4869
49	35,162.417	783,064.03	19,808.220	21.2699	104	36.162	85.73	34.481	1.3707
50	34,318.030	747,901.61	19,653.293	20.7933	105	21.941	49.57	20.969	1.2591
51	33,480.490	713,583.58	19,488.655	20.3134	106	12.837	27.63	12.295	1.1521
52	32,647.602	680,103.09	19,312.247	19.8316	107	7.216	14.79	6.926	1.0495
53	31,818.750	647,455.49	19,123.544	19.3482	108	3.881	7.57	3.733	0.9512
54	30,993.031	615,636.74	18,921.722	18.8637	109	1.988	3.69	1.916	0.8571

**Table 1.C. -- Actuarial Functions at 3.0 Percent Interest for 1989-91 United States
Total Population**

x	D_x	N_x	M_x	a_x	x	D_x	N_x	M_x	a_x
0	100,000.000	2,995,255.19	12,759.558	28.9526	55	17,641.751	303,680.34	8,796.692	16.2137
1	96,178.641	2,895,255.19	11,850.820	29.1029	56	16,995.526	286,038.59	8,664.304	15.8302
2	93,309.454	2,799,076.55	11,782.953	28.9978	57	16,361.221	269,043.07	8,525.015	15.4439
3	90,547.776	2,705,767.10	11,739.026	28.8822	58	15,737.563	252,681.85	8,377.898	15.0560
4	87,877.588	2,615,219.32	11,706.152	28.7598	59	15,123.419	236,944.28	8,222.129	14.6674
5	85,292.169	2,527,341.73	11,680.274	28.6316	60	14,518.459	221,820.86	8,057.657	14.2785
6	82,785.319	2,442,049.56	11,657.662	28.4986	61	13,923.057	207,302.40	7,885.123	13.8891
7	80,354.582	2,359,264.24	11,638.147	28.3607	62	13,338.023	193,379.35	7,705.614	13.4984
8	77,996.001	2,278,909.66	11,619.991	28.2183	63	12,763.296	180,041.32	7,519.374	13.1062
9	75,708.944	2,200,913.66	11,604.663	28.0707	64	12,198.217	167,278.03	7,326.041	12.7133
10	73,491.180	2,125,204.72	11,592.013	27.9178	65	11,642.636	155,079.81	7,125.748	12.3200
11	71,339.101	2,051,713.54	11,580.454	27.7600	66	11,096.987	143,437.18	6,919.206	11.9258
12	69,250.041	1,980,374.44	11,569.232	27.5974	67	10,561.931	132,340.19	6,707.363	11.5299
13	67,218.750	1,911,124.40	11,554.932	27.4314	68	10,036.704	121,778.26	6,489.765	11.1333
14	65,239.766	1,843,905.65	11,533.776	27.2635	69	9,520.495	111,741.55	6,265.886	10.7369
15	63,310.053	1,778,665.88	11,504.251	27.0945	70	9,012.201	102,221.06	6,034.888	10.3425
16	61,427.435	1,715,355.83	11,465.614	26.9249	71	8,511.093	93,208.86	5,796.272	9.9515
17	59,592.305	1,653,928.39	11,419.633	26.7541	72	8,017.126	84,697.76	5,550.201	9.5646
18	57,804.916	1,594,336.09	11,367.942	26.5813	73	7,530.498	76,680.64	5,297.081	9.1827
19	56,067.100	1,536,531.17	11,313.765	26.4052	74	7,052.847	69,150.14	5,038.765	8.8046
20	54,379.264	1,480,464.07	11,258.951	26.2248	75	6,585.629	62,097.29	4,776.970	8.4292
21	52,740.572	1,426,084.81	11,204.121	26.0396	76	6,130.019	55,511.66	4,513.175	8.0557
22	51,148.596	1,373,344.24	11,148.279	25.8501	77	5,686.326	49,381.65	4,248.026	7.6843
23	49,603.095	1,322,195.64	11,092.543	25.6555	78	5,254.605	43,695.32	3,981.926	7.3156
24	48,103.248	1,272,592.54	11,037.446	25.4554	79	4,834.303	38,440.71	3,714.671	6.9517
25	46,648.214	1,224,489.30	10,983.477	25.2494	80	4,424.818	33,606.41	3,445.990	6.5950
26	45,236.203	1,177,841.08	10,930.152	25.0376	81	4,026.326	29,181.59	3,176.376	6.2477
27	43,866.872	1,132,604.88	10,878.380	24.8191	82	3,639.941	25,155.27	2,907.263	5.9109
28	42,537.184	1,088,738.01	10,826.368	24.5950	83	3,267.574	21,515.33	2,640.913	5.5845
29	41,246.042	1,046,200.82	10,774.173	24.3649	84	2,912.056	18,247.75	2,380.568	5.2663
30	39,991.555	1,004,954.78	10,721.027	24.1292	85	2,575.450	15,335.70	2,128.779	4.9546
31	38,772.354	964,963.23	10,666.629	23.8879	86	2,257.791	12,760.25	1,886.134	4.6517
32	37,587.530	926,190.87	10,611.097	23.6409	87	1,959.050	10,502.46	1,653.154	4.3610
33	36,436.571	888,603.34	10,554.920	23.3877	88	1,680.915	8,543.41	1,432.078	4.0826
34	35,317.842	852,166.77	10,497.451	23.1285	89	1,424.883	6,862.49	1,225.004	3.8162
35	34,231.240	816,848.93	10,439.523	22.8627	90	1,191.989	5,437.61	1,033.612	3.5618
36	33,174.868	782,617.69	10,380.178	22.5907	91	982.112	4,245.62	858.453	3.3229
37	32,147.977	749,442.82	10,319.546	22.3123	92	795.314	3,263.51	700.260	3.1034
38	31,150.161	717,294.85	10,258.078	22.0270	93	632.515	2,468.19	560.626	2.9022
39	30,180.040	686,144.68	10,195.243	21.7350	94	493.995	1,835.68	440.529	2.7160
40	29,237.246	655,964.64	10,131.479	21.4359	95	378.932	1,341.68	339.854	2.5407
41	28,321.090	626,727.40	10,066.894	21.1294	96	285.112	962.75	257.070	2.3768
42	27,430.321	598,406.31	10,001.011	20.8155	97	210.025	677.64	190.288	2.2265
43	26,563.769	570,975.99	9,933.400	20.4945	98	151.526	467.61	137.906	2.0860
44	25,720.340	544,412.22	9,863.673	20.1666	99	107.135	316.09	97.928	1.9504
45	24,897.954	518,691.88	9,790.424	19.8327	100	74.109	208.95	68.023	1.8195
46	24,096.007	493,793.92	9,713.660	19.4928	101	50.065	134.84	46.137	1.6934
47	23,312.674	469,697.92	9,632.152	19.1477	102	32.964	84.78	30.495	1.5719
48	22,547.754	446,385.24	9,546.242	18.7973	103	21.107	51.82	19.598	1.4550
49	21,800.333	423,837.49	9,455.551	18.4418	104	13.110	30.71	12.216	1.3425
50	21,070.251	402,037.16	9,360.431	18.0808	105	7.877	17.60	7.364	1.2343
51	20,356.453	380,966.91	9,260.329	17.7148	106	4.564	9.72	4.281	1.1304
52	19,657.330	360,610.45	9,154.113	17.3448	107	2.541	5.16	2.390	1.0306
53	18,972.270	340,953.12	9,041.597	16.9711	108	1.353	2.62	1.277	0.9348
54	18,300.510	321,980.85	8,922.427	16.5941	109	0.686	1.26	0.650	0.8430

**Table 1.D. -- Actuarial Functions at 4.0 Percent Interest for 1989-91 United States
Total Population**

x	D_x	N_x	M_x	a_x	x	D_x	N_x	M_x	a_x
0	100,000.000	2,409,764.88	7,316.735	23.0976	55	10,369.442	160,016.09	4,214.977	14.4315
1	95,253.846	2,309,764.88	6,416.735	23.2485	56	9,893.551	149,646.65	4,137.910	14.1257
2	91,523.669	2,214,511.04	6,350.167	23.1960	57	9,432.725	139,753.10	4,057.606	13.8158
3	87,960.856	2,122,987.37	6,307.495	23.1356	58	8,985.926	130,320.38	3,973.604	13.5027
4	84,546.118	2,035,026.51	6,275.868	23.0700	59	8,552.227	121,334.45	3,885.517	13.1875
5	81,269.687	1,950,480.39	6,251.210	23.0001	60	8,131.182	112,782.22	3,793.404	12.8703
6	78,122.591	1,869,210.71	6,229.871	22.9266	61	7,722.744	104,651.04	3,697.703	12.5510
7	75,099.638	1,791,088.12	6,211.633	22.8495	62	7,327.104	96,928.30	3,599.092	12.2287
8	72,194.384	1,715,988.48	6,194.827	22.7690	63	6,943.967	89,601.19	3,497.767	11.9035
9	69,403.626	1,643,794.09	6,180.776	22.6846	64	6,572.718	82,657.23	3,393.594	11.5758
10	66,722.771	1,574,390.47	6,169.291	22.5960	65	6,213.036	76,084.51	3,286.708	11.2459
11	64,146.117	1,507,667.70	6,158.898	22.5036	66	5,864.912	69,871.47	3,177.548	10.9135
12	61,668.965	1,443,521.58	6,148.904	22.4076	67	5,528.453	64,006.56	3,066.663	10.5777
13	59,284.470	1,381,852.62	6,136.292	22.3088	68	5,203.018	58,478.11	2,953.860	10.2393
14	56,985.819	1,322,568.15	6,117.813	22.2087	69	4,887.960	53,275.09	2,838.918	9.8992
15	54,768.514	1,265,582.33	6,092.271	22.1078	70	4,582.504	48,387.13	2,721.460	9.5591
16	52,628.931	1,210,813.81	6,059.169	22.0066	71	4,286.089	43,804.63	2,601.296	9.2202
17	50,565.725	1,158,184.88	6,020.152	21.9045	72	3,998.513	39,518.54	2,478.569	8.8833
18	48,577.450	1,107,619.16	5,976.713	21.8011	73	3,719.695	35,520.03	2,353.540	8.5492
19	46,663.995	1,059,041.71	5,931.622	21.6951	74	3,450.261	31,800.33	2,227.172	8.2168
20	44,824.044	1,012,377.71	5,886.440	21.5856	75	3,190.720	28,350.07	2,100.333	7.8852
21	43,055.281	967,553.67	5,841.679	21.4724	76	2,941.421	25,159.35	1,973.753	7.5535
22	41,354.160	924,498.39	5,796.529	21.3556	77	2,702.284	22,217.93	1,847.748	7.2219
23	39,718.985	883,144.23	5,751.899	21.2348	78	2,473.108	19,515.64	1,722.506	6.8911
24	38,147.638	843,425.24	5,708.206	21.1095	79	2,253.413	17,042.54	1,597.931	6.5630
25	36,638.033	805,277.60	5,665.818	20.9793	80	2,042.708	14,789.12	1,473.895	6.2400
26	35,187.399	768,639.57	5,624.338	20.8442	81	1,840.872	12,746.42	1,350.625	5.9241
27	33,794.153	733,452.17	5,584.454	20.7035	82	1,648.211	10,905.54	1,228.767	5.6166
28	32,454.694	699,658.02	5,544.771	20.5580	83	1,465.372	9,257.33	1,109.321	5.3174
29	31,166.997	667,203.32	5,505.331	20.4074	84	1,293.380	7,791.96	993.689	5.0245
30	29,928.493	636,036.33	5,465.557	20.2519	85	1,132.879	6,498.58	882.933	4.7363
31	28,737.079	606,107.83	5,425.239	20.0915	86	983.599	5,365.70	777.226	4.4552
32	27,591.043	577,370.76	5,384.476	19.9260	87	845.247	4,382.10	676.705	4.1844
33	26,489.009	549,779.71	5,343.635	19.7550	88	718.270	3,536.86	582.237	3.9241
34	25,428.823	523,290.70	5,302.258	19.5786	89	603.011	2,818.59	494.603	3.6742
35	24,409.485	497,861.88	5,260.951	19.3962	90	499.599	2,215.58	414.385	3.4347
36	23,428.748	473,452.40	5,219.040	19.2082	91	407.675	1,715.98	341.676	3.2092
37	22,485.234	450,023.65	5,176.632	19.0142	92	326.961	1,308.30	276.642	3.0014
38	21,577.839	427,538.41	5,134.053	18.8138	93	257.533	981.34	219.789	2.8105
39	20,704.814	405,960.58	5,090.946	18.6071	94	199.199	723.81	171.361	2.6336
40	19,865.151	385,255.76	5,047.622	18.3935	95	151.332	524.61	131.155	2.4666
41	19,057.646	365,390.61	5,004.161	18.1729	96	112.769	373.28	98.412	2.3101
42	18,280.753	346,332.96	4,960.254	17.9452	97	82.271	260.51	72.252	2.1664
43	17,533.022	328,052.21	4,915.629	17.7105	98	58.785	178.24	51.930	2.0320
44	16,813.095	310,519.19	4,870.049	17.4689	99	41.164	119.45	36.569	1.9019
45	16,119.015	293,706.09	4,822.627	17.2211	100	28.201	78.29	25.190	1.7761
46	15,449.834	277,587.08	4,773.407	16.9670	101	18.868	50.09	16.941	1.6546
47	14,803.851	262,137.25	4,721.649	16.7074	102	12.304	31.22	11.103	1.5373
48	14,180.443	247,333.39	4,667.620	16.4419	103	7.802	18.92	7.075	1.4243
49	13,578.553	233,152.95	4,611.132	16.1707	104	4.800	11.11	4.372	1.3153
50	12,997.624	219,574.40	4,552.455	15.8934	105	2.856	6.31	2.613	1.2104
51	12,436.560	206,576.77	4,491.299	15.6104	106	1.639	3.46	1.506	1.1094
52	11,893.963	194,140.21	4,427.031	15.3226	107	0.904	1.82	0.834	1.0123
53	11,369.078	182,246.25	4,359.606	15.0300	108	0.477	0.91	0.441	0.9189
54	10,861.080	170,877.17	4,288.881	14.7330	109	0.239	0.44	0.223	0.8293

**Table 1.E. -- Actuarial Functions at 5.0 Percent Interest for 1989-91 United States
Total Population**

x	D_x	N_x	M_x	a_x	x	D_x	N_x	M_x	a_x
0	100,000.000	2,003,900.24	4,576.179	19.0390	55	6,126.009	85,454.50	2,056.747	12.9495
1	94,346.667	1,903,900.24	3,684.751	19.1798	56	5,789.198	79,328.49	2,011.651	12.7028
2	89,788.662	1,809,553.57	3,619.444	19.1535	57	5,466.980	73,539.29	1,965.109	12.4515
3	85,471.547	1,719,764.91	3,577.980	19.1209	58	5,158.426	68,072.31	1,916.887	12.1963
4	81,371.034	1,634,293.36	3,547.540	19.0845	59	4,862.701	62,913.88	1,866.802	11.9381
5	77,472.717	1,552,922.33	3,524.034	19.0448	60	4,579.268	58,051.18	1,814.926	11.6770
6	73,763.392	1,475,449.61	3,503.887	19.0025	61	4,307.825	53,471.91	1,761.543	11.4127
7	70,233.793	1,401,686.22	3,486.830	18.9574	62	4,048.208	49,164.09	1,707.061	11.1447
8	66,873.759	1,331,452.43	3,471.263	18.9099	63	3,799.987	45,115.88	1,651.612	10.8726
9	63,676.403	1,264,578.67	3,458.371	18.8595	64	3,562.571	41,315.89	1,595.148	10.5972
10	60,633.756	1,200,902.26	3,447.934	18.8058	65	3,335.542	37,753.32	1,537.765	10.3185
11	57,737.080	1,140,268.51	3,438.579	18.7493	66	3,118.661	34,417.78	1,479.719	10.0361
12	54,978.786	1,082,531.43	3,429.670	18.6900	67	2,911.752	31,299.12	1,421.318	9.7492
13	52,349.611	1,027,552.64	3,418.533	18.6287	68	2,714.251	28,387.37	1,362.472	9.4586
14	49,840.611	975,203.03	3,402.371	18.5664	69	2,525.611	25,673.12	1,303.081	9.1651
15	47,445.121	925,362.42	3,380.244	18.5038	70	2,345.231	23,147.51	1,242.969	8.8700
16	45,157.427	877,917.30	3,351.841	18.4413	71	2,172.641	20,802.27	1,182.057	8.5746
17	42,973.915	832,759.87	3,318.683	18.3783	72	2,007.564	18,629.63	1,120.439	8.2797
18	40,890.972	789,785.96	3,282.117	18.3144	73	1,849.789	16,622.07	1,058.262	7.9859
19	38,906.188	748,894.98	3,244.522	18.2487	74	1,699.460	14,772.28	996.018	7.6923
20	37,016.201	709,988.80	3,207.210	18.1805	75	1,556.653	13,072.82	934.137	7.3980
21	35,216.912	672,972.60	3,170.598	18.1094	76	1,421.360	11,516.17	872.971	7.1022
22	33,503.338	637,755.68	3,134.020	18.0356	77	1,293.368	10,094.81	812.663	6.8051
23	31,872.129	604,252.34	3,098.207	17.9586	78	1,172.407	8,801.44	753.290	6.5072
24	30,319.681	572,380.22	3,063.480	17.8782	79	1,058.084	7,629.03	694.796	6.2102
25	28,842.517	542,060.54	3,030.111	17.7938	80	950.013	6,570.95	637.110	5.9167
26	27,436.721	513,218.02	2,997.768	17.7055	81	847.990	5,620.94	580.327	5.6285
27	26,099.408	485,781.30	2,966.965	17.6127	82	752.011	4,772.95	524.728	5.3469
28	24,826.223	459,681.89	2,936.609	17.5160	83	662.221	4,020.93	470.748	5.0719
29	23,614.139	434,855.67	2,906.727	17.4151	84	578.929	3,358.71	418.991	4.8016
30	22,459.809	411,241.53	2,876.879	17.3101	85	502.258	2,779.78	369.887	4.5346
31	21,360.325	388,781.72	2,846.910	17.2011	86	431.922	2,277.53	323.468	4.2730
32	20,313.156	367,421.39	2,816.899	17.0879	87	367.634	1,845.60	279.748	4.0202
33	19,316.082	347,108.24	2,787.118	16.9699	88	309.431	1,477.97	239.051	3.7764
34	18,366.383	327,792.15	2,757.233	16.8474	89	257.303	1,168.54	201.658	3.5415
35	17,462.243	309,425.77	2,727.682	16.7197	90	211.147	911.24	167.755	3.3156
36	16,601.010	291,963.53	2,697.985	16.5871	91	170.656	700.09	137.319	3.1023
37	15,780.723	275,362.52	2,668.222	16.4493	92	135.565	529.43	110.354	2.9054
38	14,999.662	259,581.80	2,638.624	16.3058	93	105.762	393.87	87.006	2.7241
39	14,255.712	244,582.13	2,608.944	16.1568	94	81.027	288.11	67.307	2.5557
40	13,547.323	230,326.42	2,579.398	16.0016	95	60.970	207.08	51.109	2.3964
41	12,872.856	216,779.10	2,550.042	15.8400	96	45.000	146.11	38.043	2.2469
42	12,230.488	203,906.24	2,520.666	15.6720	97	32.518	101.11	27.703	2.1094
43	11,618.512	191,675.76	2,491.095	15.4974	98	23.014	68.59	19.747	1.9805
44	11,035.333	180,057.24	2,461.178	15.3164	99	15.962	45.58	13.791	1.8555
45	10,479.012	169,021.91	2,430.349	15.1296	100	10.831	29.62	9.421	1.7345
46	9,948.318	158,542.90	2,398.656	14.9367	101	7.177	18.79	6.283	1.6174
47	9,441.578	148,594.58	2,365.646	14.7383	102	4.636	11.61	4.083	1.5042
48	8,957.849	139,153.00	2,331.515	14.5342	103	2.912	6.97	2.580	1.3948
49	8,495.941	130,195.15	2,296.172	14.3244	104	1.774	4.06	1.581	1.2892
50	8,055.008	121,699.21	2,259.808	14.1085	105	1.046	2.29	0.937	1.1874
51	7,633.897	113,644.21	2,222.268	13.8868	106	0.594	1.24	0.535	1.0892
52	7,231.305	106,010.31	2,183.195	13.6599	107	0.325	0.65	0.294	0.9946
53	6,846.354	98,779.00	2,142.592	13.4280	108	0.170	0.32	0.154	0.9036
54	6,478.153	91,932.65	2,100.407	13.1912	109	0.084	0.15	0.077	0.8160

**Table 1.F. -- Actuarial Functions at 6.0 Percent Interest for 1989-91 United States
Total Population**

x	D_x	N_x	M_x	a_x	x	D_x	N_x	M_x	a_x
0	100,000.000	1,711,205.67	3,139.301	16.1121	55	3,637.194	46,212.27	1,021.405	11.7055
1	93,456.604	1,611,205.67	2,256.283	16.2401	56	3,404.793	42,575.08	994.883	11.5045
2	88,102.528	1,517,749.07	2,192.203	16.2271	57	3,184.954	39,170.28	967.768	11.2985
3	83,075.290	1,429,646.54	2,151.901	16.2090	58	2,976.846	35,985.33	939.940	11.0884
4	78,343.608	1,346,571.25	2,122.594	16.1880	59	2,779.714	33,008.48	911.310	10.8748
5	73,886.646	1,268,227.64	2,100.176	16.1645	60	2,592.998	30,228.77	881.935	10.6578
6	69,685.349	1,194,341.00	2,081.142	16.1391	61	2,416.282	27,635.77	851.992	10.4373
7	65,724.934	1,124,655.65	2,065.181	16.1116	62	2,249.240	25,219.49	821.721	10.2125
8	61,990.225	1,058,930.71	2,050.750	16.0822	63	2,091.407	22,970.25	791.204	9.9832
9	58,469.506	996,940.49	2,038.912	16.0506	64	1,942.242	20,878.85	760.421	9.7499
10	55,150.419	938,470.98	2,029.419	16.0166	65	1,801.315	18,936.60	729.432	9.5127
11	52,020.268	883,320.57	2,020.991	15.9803	66	1,668.303	17,135.29	698.381	9.2711
12	49,067.773	831,300.30	2,013.039	15.9419	67	1,542.924	15,466.99	667.434	9.0245
13	46,280.506	782,232.52	2,003.194	15.9020	68	1,424.700	13,924.06	636.546	8.7733
14	43,646.701	735,952.02	1,989.040	15.8616	69	1,313.177	12,499.36	605.666	8.5184
15	41,156.939	692,305.32	1,969.846	15.8211	70	1,207.886	11,186.18	574.706	8.2610
16	38,802.895	651,148.38	1,945.440	15.7809	71	1,108.439	9,978.30	543.630	8.0021
17	36,578.281	612,345.48	1,917.216	15.7407	72	1,014.557	8,869.86	512.490	7.7426
18	34,476.982	575,767.20	1,886.386	15.7000	73	926.004	7,855.30	481.364	7.4830
19	32,494.056	541,290.22	1,854.987	15.6581	74	842.723	6,929.30	450.499	7.2225
20	30,623.901	508,796.16	1,824.118	15.6143	75	764.626	6,086.57	420.103	6.9602
21	28,860.469	478,172.26	1,794.115	15.5684	76	691.584	5,321.95	390.342	6.6953
22	27,197.165	449,311.79	1,764.422	15.5205	77	623.371	4,630.36	361.275	6.4279
23	25,628.905	422,114.63	1,735.624	15.4703	78	559.740	4,006.99	332.929	6.1587
24	24,150.550	396,485.72	1,707.962	15.4173	79	500.393	3,447.25	305.266	5.8891
25	22,757.209	372,335.17	1,681.633	15.3612	80	445.045	2,946.86	278.242	5.6215
26	21,443.787	349,577.96	1,656.355	15.3021	81	393.504	2,501.81	251.892	5.3578
27	20,206.141	328,134.18	1,632.508	15.2393	82	345.673	2,108.31	226.335	5.0991
28	19,039.117	307,928.04	1,609.228	15.1734	83	301.528	1,762.64	201.756	4.8457
29	17,938.730	288,888.92	1,586.528	15.1042	84	261.116	1,461.11	178.412	4.5956
30	16,900.870	270,950.19	1,564.067	15.0317	85	224.398	1,199.99	156.474	4.3476
31	15,921.879	254,049.32	1,541.729	14.9560	86	191.153	975.59	135.930	4.1037
32	14,998.481	238,127.44	1,519.570	14.8768	87	161.166	784.44	116.764	3.8673
33	14,127.729	223,128.96	1,497.788	14.7937	88	134.371	623.28	99.091	3.6385
34	13,306.394	209,001.23	1,476.136	14.7068	89	110.680	488.91	83.006	3.4173
35	12,531.995	195,694.83	1,454.929	14.6156	90	89.969	378.22	68.560	3.2039
36	11,801.525	183,162.84	1,433.817	14.5203	91	72.030	288.26	55.714	3.0019
37	11,112.556	171,361.31	1,412.859	14.4205	92	56.679	216.23	44.440	2.8149
38	10,462.897	160,248.76	1,392.213	14.3159	93	43.801	159.55	34.770	2.6425
39	9,850.150	149,785.86	1,371.705	14.2065	94	33.241	115.74	26.689	2.4820
40	9,272.372	139,935.71	1,351.482	14.0917	95	24.777	82.50	20.107	2.3299
41	8,727.617	130,663.34	1,331.579	13.9712	96	18.114	57.73	14.847	2.1868
42	8,213.873	121,935.72	1,311.851	13.8451	97	12.966	39.61	10.724	2.0551
43	7,729.264	113,721.85	1,292.178	13.7132	98	9.090	26.65	7.582	1.9315
44	7,272.044	105,992.59	1,272.464	13.5753	99	6.245	17.56	5.251	1.8113
45	6,840.295	98,720.54	1,252.340	13.4322	100	4.198	11.31	3.557	1.6948
46	6,432.616	91,880.25	1,231.847	13.2835	101	2.755	7.11	2.353	1.5818
47	6,047.362	85,447.63	1,210.704	13.1297	102	1.763	4.36	1.516	1.4724
48	5,683.404	79,400.27	1,189.049	12.9705	103	1.097	2.60	0.950	1.3665
49	5,339.489	73,716.86	1,166.837	12.8060	104	0.662	1.50	0.577	1.2641
50	5,014.616	68,377.37	1,144.199	12.6356	105	0.387	0.84	0.339	1.1652
51	4,707.620	63,362.76	1,121.049	12.4596	106	0.218	0.45	0.192	1.0697
52	4,417.283	58,655.14	1,097.181	12.2786	107	0.118	0.23	0.105	0.9776
53	4,142.680	54,237.86	1,072.612	12.0925	108	0.061	0.12	0.054	0.8888
54	3,882.904	50,095.18	1,047.328	11.9015	109	0.030	0.05	0.027	0.8032

**Table 1.G. -- Actuarial Functions at 7.0 Percent Interest for 1989-91 United States
Total Population**

x	D_x	N_x	M_x	a_x	x	D_x	N_x	M_x	a_x
0	100,000.000	1,492,632.13	2,351.169	13.9263	55	2,170.108	25,286.22	515.869	10.6521
1	92,583.178	1,392,632.13	1,476.403	14.0420	56	2,012.462	23,116.11	500.193	10.4865
2	86,463.447	1,300,048.95	1,413.515	14.0358	57	1,864.929	21,103.65	484.316	10.3161
3	80,767.777	1,213,585.50	1,374.333	14.0256	58	1,726.782	19,238.72	468.174	10.1414
4	75,455.677	1,132,817.73	1,346.106	14.0130	59	1,597.362	17,511.94	451.721	9.9630
5	70,497.934	1,057,362.05	1,324.716	13.9985	60	1,476.139	15,914.57	434.999	9.7812
6	65,867.929	986,864.11	1,306.725	13.9825	61	1,362.683	14,438.44	418.113	9.5956
7	61,543.866	920,996.19	1,291.779	13.9649	62	1,256.623	13,075.75	401.200	9.4055
8	57,504.246	859,452.32	1,278.393	13.9459	63	1,157.524	11,819.13	384.310	9.2107
9	53,731.407	801,948.07	1,267.514	13.9251	64	1,064.920	10,661.60	367.432	9.0116
10	50,207.626	748,216.67	1,258.872	13.9025	65	978.420	9,596.69	350.600	8.8083
11	46,915.414	698,009.04	1,251.271	13.8780	66	897.703	8,618.26	333.891	8.6004
12	43,839.077	651,093.63	1,244.167	13.8519	67	822.478	7,720.56	317.394	8.3870
13	40,962.386	607,254.55	1,235.452	13.8247	68	752.360	6,898.08	301.083	8.1686
14	38,270.193	566,292.17	1,223.042	13.7972	69	686.985	6,145.72	284.928	7.9459
15	35,749.863	528,021.97	1,206.370	13.7699	70	625.997	5,458.74	268.883	7.7201
16	33,390.086	492,272.11	1,185.368	13.7431	71	569.089	4,832.74	252.928	7.4921
17	31,181.628	458,882.02	1,161.308	13.7164	72	516.020	4,263.65	237.090	7.2626
18	29,115.672	427,700.40	1,135.272	13.6897	73	466.579	3,747.63	221.407	7.0321
19	27,184.640	398,584.72	1,109.004	13.6621	74	420.649	3,281.05	206.000	6.8000
20	25,380.622	371,400.08	1,083.421	13.6332	75	378.099	2,860.41	190.970	6.5652
21	23,695.573	346,019.46	1,058.786	13.6027	76	338.785	2,482.31	176.391	6.3271
22	22,121.244	322,323.89	1,034.635	13.5708	77	302.515	2,143.52	162.285	6.0857
23	20,650.856	300,202.64	1,011.431	13.5371	78	269.097	1,841.01	148.657	5.8414
24	19,277.785	279,551.79	989.350	13.5012	79	238.318	1,571.91	135.482	5.5959
25	17,995.801	260,274.00	968.530	13.4630	80	209.977	1,333.59	122.732	5.3511
26	16,798.704	242,278.20	948.728	13.4224	81	183.924	1,123.61	110.416	5.1091
27	15,681.216	225,479.50	930.221	13.3790	82	160.058	939.69	98.583	4.8709
28	14,637.444	209,798.28	912.323	13.3330	83	138.313	779.63	87.308	4.6368
29	13,662.565	195,160.84	895.034	13.2843	84	118.656	641.32	76.700	4.4049
30	12,751.806	181,498.27	878.087	13.2331	85	101.017	522.66	66.824	4.1740
31	11,900.879	168,746.47	861.390	13.1793	86	85.247	421.65	57.663	3.9462
32	11,105.908	156,845.59	844.982	13.1227	87	71.203	336.40	49.195	3.7246
33	10,363.376	145,739.68	829.004	13.0630	88	58.810	265.20	41.460	3.5094
34	9,669.663	135,376.30	813.270	13.0001	89	47.988	206.39	34.486	3.3008
35	9,021.802	125,706.64	798.003	12.9337	90	38.644	158.40	28.281	3.0989
36	8,416.534	116,684.84	782.947	12.8638	91	30.650	119.76	22.815	2.9072
37	7,851.112	108,268.30	768.139	12.7902	92	23.892	89.11	18.063	2.7295
38	7,323.038	100,417.19	753.689	12.7125	93	18.291	65.21	14.025	2.5653
39	6,829.741	93,094.15	739.469	12.6307	94	13.751	46.92	10.682	2.4122
40	6,369.045	86,264.41	725.579	12.5443	95	10.154	33.17	7.984	2.2668
41	5,938.835	79,895.37	712.036	12.4530	96	7.354	23.02	5.849	2.1297
42	5,537.015	73,956.53	698.737	12.3568	97	5.215	15.66	4.190	2.0034
43	5,161.642	68,419.52	685.599	12.2554	98	3.622	10.45	2.938	1.8847
44	4,810.923	63,257.87	672.557	12.1488	99	2.465	6.83	2.018	1.7691
45	4,483.000	58,446.95	659.368	12.0375	100	1.641	4.36	1.356	1.6567
46	4,176.415	53,963.95	646.063	11.9211	101	1.067	2.72	0.890	1.5477
47	3,889.592	49,787.54	632.464	11.8002	102	0.677	1.65	0.568	1.4418
48	3,621.335	45,897.94	618.666	11.6743	103	0.417	0.98	0.353	1.3393
49	3,370.405	42,276.61	604.645	11.5435	104	0.249	0.56	0.213	1.2399
50	3,135.755	38,906.20	590.489	11.4073	105	0.144	0.31	0.124	1.1438
51	2,916.271	35,770.45	576.148	11.2658	106	0.080	0.16	0.070	1.0509
52	2,710.839	32,854.18	561.501	11.1196	107	0.043	0.08	0.038	0.9611
53	2,518.558	30,143.34	546.564	10.9685	108	0.022	0.04	0.019	0.8744
54	2,338.564	27,624.78	531.336	10.8127	109	0.011	0.02	0.010	0.7907

**Table 1.H. -- Actuarial Functions at 8.0 Percent Interest for 1989-91 United States
Total Population**

x	D_x	N_x	M_x	a_x	x	D_x	N_x	M_x	a_x
0	100,000.000	1,324,391.78	1,896.905	12.2439	55	1,301.016	13,989.24	264.775	9.7526
1	91,725.926	1,224,391.78	1,030.238	12.3484	56	1,195.333	12,688.23	255.464	9.6148
2	84,869.684	1,132,665.86	968.510	12.3459	57	1,097.447	11,492.90	246.121	9.4724
3	78,544.937	1,047,796.17	930.406	12.3401	58	1,006.743	10,395.45	236.710	9.3258
4	72,699.598	969,251.24	903.210	12.3323	59	922.666	9,388.71	227.207	9.1756
5	67,294.025	896,551.64	882.792	12.3229	60	844.751	8,466.04	217.637	9.0219
6	62,292.268	829,257.61	865.778	12.3124	61	772.603	7,621.29	208.063	8.8644
7	57,664.022	766,965.35	851.774	12.3006	62	705.873	6,848.69	198.563	8.7024
8	53,380.187	709,301.32	839.348	12.2877	63	644.186	6,142.81	189.163	8.5358
9	49,416.094	655,921.14	829.343	12.2734	64	587.163	5,498.63	179.857	8.3647
10	45,747.768	606,505.04	821.468	12.2576	65	534.474	4,911.46	170.662	8.1893
11	42,352.182	560,757.28	814.606	12.2403	66	485.841	4,376.99	161.619	8.0091
12	39,208.630	518,405.09	808.253	12.2217	67	441.007	3,891.15	152.774	7.8233
13	36,296.565	479,196.46	800.531	12.2023	68	399.675	3,450.14	144.109	7.6324
14	33,597.036	442,899.90	789.636	12.1827	69	361.567	3,050.47	135.607	7.4368
15	31,093.866	409,302.86	775.135	12.1635	70	326.418	2,688.90	127.240	7.2376
16	28,772.519	378,209.00	757.038	12.1448	71	293.996	2,362.48	118.997	7.0358
17	26,620.681	349,436.48	736.497	12.1265	72	264.112	2,068.49	110.891	6.8318
18	24,626.757	322,815.80	714.475	12.1083	73	236.596	1,804.37	102.938	6.6264
19	22,780.540	298,189.04	692.463	12.0896	74	211.330	1,567.78	95.198	6.4186
20	21,071.852	275,408.50	671.222	12.0700	75	188.195	1,356.45	87.717	6.2077
21	19,490.711	254,336.65	650.960	12.0491	76	167.065	1,168.25	80.528	5.9928
22	18,027.273	234,845.94	631.278	12.0273	77	147.798	1,001.19	73.636	5.7740
23	16,673.185	216,818.66	612.543	12.0040	78	130.254	853.39	67.040	5.5517
24	15,420.472	200,145.48	594.881	11.9792	79	114.287	723.14	60.722	5.3274
25	14,261.715	184,725.01	578.381	11.9525	80	99.764	608.85	54.664	5.1029
26	13,189.743	170,463.29	562.833	11.9239	81	86.576	509.09	48.866	4.8802
27	12,198.329	157,273.55	548.436	11.8930	82	74.645	422.51	43.348	4.6603
28	11,280.955	145,075.22	534.643	11.8602	83	63.906	347.86	38.139	4.4434
29	10,432.128	133,794.26	521.441	11.8252	84	54.316	283.96	33.283	4.2278
30	9,646.558	123,362.14	508.622	11.7882	85	45.814	229.64	28.803	4.0125
31	8,919.484	113,715.58	496.107	11.7491	86	38.304	183.83	24.687	3.7992
32	8,246.598	104,796.10	483.924	11.7078	87	31.697	145.52	20.917	3.5911
33	7,623.984	96,549.50	472.169	11.6639	88	25.938	113.83	17.506	3.3885
34	7,047.776	88,925.51	460.701	11.6175	89	20.969	87.89	14.459	3.1914
35	6,514.694	81,877.74	449.677	11.5682	90	16.730	66.92	11.773	3.0001
36	6,021.353	75,363.04	438.905	11.5160	91	13.146	50.19	9.428	2.8180
37	5,564.831	69,341.69	428.410	11.4607	92	10.153	37.04	7.409	2.6488
38	5,142.474	63,776.86	418.262	11.4020	93	7.701	26.89	5.709	2.4922
39	4,751.657	58,634.39	408.369	11.3398	94	5.736	19.19	4.314	2.3460
40	4,390.108	53,882.73	398.795	11.2737	95	4.196	13.46	3.199	2.2068
41	4,055.666	49,492.62	389.546	11.2033	96	3.011	9.26	2.325	2.0753
42	3,746.249	45,436.95	380.548	11.1287	97	2.115	6.25	1.652	1.9541
43	3,459.942	41,690.70	371.742	11.0495	98	1.455	4.13	1.149	1.8399
44	3,194.989	38,230.76	363.081	10.9659	99	0.981	2.68	0.783	1.7286
45	2,949.645	35,035.77	354.403	10.8780	100	0.647	1.70	0.522	1.6203
46	2,722.480	32,086.13	345.730	10.7856	101	0.417	1.05	0.339	1.5149
47	2,512.032	29,363.65	336.947	10.6892	102	0.262	0.63	0.215	1.4125
48	2,317.127	26,851.62	328.118	10.5883	103	0.160	0.37	0.133	1.3131
49	2,136.599	24,534.49	319.230	10.4830	104	0.095	0.21	0.079	1.2166
50	1,969.442	22,397.89	310.339	10.3727	105	0.054	0.12	0.046	1.1231
51	1,814.634	20,428.45	301.416	10.2576	106	0.030	0.06	0.025	1.0326
52	1,671.187	18,613.81	292.385	10.1381	107	0.016	0.03	0.014	0.9451
53	1,538.272	16,942.63	283.263	10.0141	108	0.008	0.02	0.007	0.8604
54	1,415.111	15,404.36	274.048	9.8856	109	0.004	0.01	0.003	0.7786

**Table 1.I. -- Actuarial Functions at 9.0 Percent Interest for 1989-91 United States
Total Population**

x	D_x	N_x	M_x	a_x	x	D_x	N_x	M_x	a_x
0	100,000.000	1,191,481.16	1,620.822	10.9148	55	783.667	7,819.78	137.997	8.9785
1	90,884.404	1,091,481.16	762.106	11.0096	56	713.404	7,036.12	132.440	8.8627
2	83,319.586	1,000,596.76	701.505	11.0091	57	648.974	6,322.71	126.915	8.7426
3	76,402.922	917,277.17	664.440	11.0058	58	589.875	5,673.74	121.401	8.6186
4	70,068.212	840,874.25	638.228	11.0008	59	535.652	5,083.87	115.883	8.4910
5	64,263.266	770,806.04	618.731	10.9945	60	485.919	4,548.21	110.379	8.3600
6	58,941.025	706,542.77	602.631	10.9873	61	440.341	4,062.29	104.922	8.2253
7	54,061.206	647,601.75	589.502	10.9790	62	398.618	3,621.95	99.557	8.0863
8	49,585.894	593,540.54	577.960	10.9699	63	360.445	3,223.34	94.298	7.9427
9	45,482.437	543,954.65	568.751	10.9597	64	325.524	2,862.89	89.138	7.7947
10	41,719.826	498,472.21	561.570	10.9481	65	293.595	2,537.37	84.088	7.6424
11	38,268.869	456,752.38	555.369	10.9354	66	264.431	2,243.77	79.166	7.4853
12	35,103.366	418,483.51	549.681	10.9215	67	237.827	1,979.34	74.396	7.3226
13	32,198.073	383,380.15	542.831	10.9069	68	213.560	1,741.51	69.766	7.1547
14	29,529.940	351,182.08	533.255	10.8924	69	191.425	1,527.95	65.264	6.9820
15	27,079.060	321,652.13	520.627	10.8783	70	171.231	1,336.53	60.875	6.8054
16	24,827.558	294,573.08	505.011	10.8648	71	152.808	1,165.30	56.591	6.6259
17	22,760.015	269,745.52	487.449	10.8517	72	136.016	1,012.49	52.416	6.4439
18	20,862.092	246,985.50	468.794	10.8390	73	120.728	876.47	48.358	6.2599
19	19,121.057	226,123.41	450.317	10.8259	74	106.846	755.74	44.445	6.0732
20	17,524.590	207,002.35	432.652	10.8121	75	94.276	648.90	40.697	5.8830
21	16,060.908	189,477.76	415.955	10.7975	76	82.923	554.62	37.129	5.6884
22	14,718.709	173,416.85	399.886	10.7821	77	72.687	471.70	33.740	5.4894
23	13,488.247	158,698.15	384.730	10.7657	78	63.471	399.01	30.525	5.2865
24	12,360.381	145,209.90	370.572	10.7480	79	55.180	335.54	27.475	5.0808
25	11,326.694	132,849.52	357.468	10.7289	80	47.726	280.36	24.577	4.8744
26	10,379.228	121,522.82	345.233	10.7083	81	41.037	232.63	21.829	4.6689
27	9,511.002	111,143.60	334.008	10.6858	82	35.057	191.60	19.237	4.4653
28	8,715.034	101,632.59	323.352	10.6618	83	29.738	156.54	16.813	4.2639
29	7,985.339	92,917.56	313.247	10.6360	84	25.044	126.80	14.574	4.0632
30	7,316.276	84,932.22	303.524	10.6087	85	20.930	101.76	12.528	3.8619
31	6,702.776	77,615.95	294.120	10.5797	86	17.338	80.83	10.664	3.6619
32	6,140.264	70,913.17	285.048	10.5489	87	14.216	63.49	8.974	3.4661
33	5,624.598	64,772.91	276.376	10.5160	88	11.526	49.27	7.458	3.2749
34	5,151.799	59,148.31	267.993	10.4811	89	9.233	37.75	6.116	3.0885
35	4,718.436	53,996.51	260.009	10.4437	90	7.299	28.52	4.944	2.9070
36	4,321.110	49,278.07	252.279	10.4040	91	5.682	21.22	3.931	2.7337
37	3,956.859	44,956.96	244.816	10.3618	92	4.348	15.53	3.066	2.5724
38	3,622.996	41,000.10	237.667	10.3166	93	3.268	11.19	2.344	2.4229
39	3,316.944	37,377.11	230.761	10.2685	94	2.412	7.92	1.758	2.2831
40	3,036.446	34,060.16	224.139	10.2171	95	1.748	5.51	1.294	2.1497
41	2,779.392	31,023.72	217.800	10.1621	96	1.243	3.76	0.933	2.0235
42	2,543.791	28,244.33	211.691	10.1032	97	0.865	2.52	0.658	1.9070
43	2,327.828	25,700.54	205.766	10.0406	98	0.590	1.65	0.454	1.7972
44	2,129.848	23,372.71	199.992	9.9739	99	0.394	1.06	0.307	1.6899
45	1,948.258	21,242.86	194.260	9.9035	100	0.258	0.67	0.203	1.5853
46	1,781.716	19,294.60	188.584	9.8292	101	0.164	0.41	0.131	1.4834
47	1,628.907	17,512.88	182.889	9.7513	102	0.102	0.24	0.082	1.3843
48	1,488.738	15,883.98	177.217	9.6694	103	0.062	0.14	0.050	1.2878
49	1,360.156	14,395.24	171.558	9.5835	104	0.036	0.08	0.030	1.1941
50	1,242.242	13,035.08	165.950	9.4932	105	0.021	0.04	0.017	1.1032
51	1,134.094	11,792.84	160.373	9.3985	106	0.011	0.02	0.009	1.0150
52	1,034.862	10,658.75	154.782	9.2997	107	0.006	0.01	0.005	0.9296
53	943.817	9,623.89	149.184	9.1968	108	0.003	0.01	0.003	0.8469
54	860.285	8,680.07	143.582	9.0898	109	0.001	0.00	0.001	0.7669

**Table 1.J. -- Actuarial Functions at 10.0 Percent Interest for 1989-91 United States
Total Population**

x	D_x	N_x	M_x	a_x	x	D_x	N_x	M_x	a_x
0	100,000.000	1,084,120.30	1,443.609	9.8412	55	474.233	4,413.84	72.974	8.3073
1	90,058.182	984,120.30	592.700	9.9276	56	427.788	3,939.61	69.642	8.2093
2	81,811.570	894,062.12	533.196	9.9283	57	385.615	3,511.82	66.359	8.1071
3	74,338.092	812,250.55	497.133	9.9264	58	347.313	3,126.21	63.112	8.0011
4	67,554.812	737,912.46	471.861	9.9232	59	312.520	2,778.90	59.893	7.8919
5	61,394.838	670,357.64	453.234	9.9188	60	280.927	2,466.38	56.711	7.7794
6	55,798.248	608,962.81	437.993	9.9137	61	252.262	2,185.45	53.585	7.6634
7	50,713.364	553,164.56	425.677	9.9077	62	226.284	1,933.19	50.539	7.5432
8	46,092.329	502,451.19	414.947	9.9010	63	202.754	1,706.90	47.581	7.4186
9	41,893.635	456,358.86	406.466	9.8933	64	181.446	1,504.15	44.705	7.2898
10	38,078.569	414,465.23	399.911	9.8845	65	162.161	1,322.70	41.915	7.1567
11	34,611.273	376,386.66	394.303	9.8747	66	144.725	1,160.54	39.221	7.0189
12	31,459.695	341,775.39	389.205	9.8639	67	128.982	1,015.82	36.634	6.8757
13	28,593.640	310,315.69	383.122	9.8526	68	114.768	886.84	34.146	6.7272
14	25,985.792	281,722.05	374.696	9.8414	69	101.937	772.07	31.749	6.5740
15	23,612.435	255,736.26	363.684	9.8306	70	90.354	670.13	29.433	6.4167
16	21,452.357	232,123.83	350.191	9.8204	71	79.900	579.78	27.193	6.2563
17	19,487.106	210,671.47	335.155	9.8108	72	70.473	499.88	25.030	6.0931
18	17,699.724	191,184.36	319.327	9.8015	73	61.983	429.40	22.947	5.9277
19	16,075.125	173,484.64	303.794	9.7921	74	54.358	367.42	20.956	5.7593
20	14,599.034	157,409.52	289.078	9.7822	75	47.527	313.06	19.066	5.5871
21	13,258.066	142,810.48	275.295	9.7716	76	41.424	265.54	17.284	5.4103
22	12,039.642	129,552.42	262.150	9.7605	77	35.980	224.11	15.606	5.2288
23	10,932.845	117,512.77	249.866	9.7486	78	31.133	188.13	14.030	5.0430
24	9,927.579	106,579.93	238.495	9.7357	79	26.820	157.00	12.547	4.8539
25	9,014.642	96,652.35	228.065	9.7217	80	22.986	130.18	11.151	4.6635
26	8,185.480	87,637.71	218.416	9.7065	81	19.585	107.19	9.840	4.4734
27	7,432.574	79,452.23	209.644	9.6897	82	16.579	87.61	8.614	4.2845
28	6,748.633	72,019.65	201.392	9.6717	83	13.935	71.03	7.478	4.0972
29	6,127.367	65,271.02	193.638	9.6524	84	11.629	57.10	6.438	3.9098
30	5,562.941	59,143.65	186.246	9.6317	85	9.630	45.47	5.497	3.7213
31	5,050.134	53,580.71	179.160	9.6098	86	7.905	35.84	4.647	3.5333
32	4,584.258	48,530.58	172.387	9.5864	87	6.423	27.93	3.884	3.3489
33	4,161.092	43,946.32	165.972	9.5612	88	5.160	21.51	3.205	3.1682
34	3,776.665	39,785.23	159.827	9.5345	89	4.096	16.35	2.610	2.9915
35	3,427.532	36,008.56	154.026	9.5057	90	3.208	12.25	2.094	2.8190
36	3,110.374	32,581.03	148.462	9.4750	91	2.475	9.04	1.653	2.6540
37	2,822.290	29,470.66	143.139	9.4421	92	1.877	6.57	1.280	2.5001
38	2,560.665	26,648.37	138.086	9.4068	93	1.398	4.69	0.971	2.3572
39	2,323.041	24,087.70	133.250	9.3690	94	1.022	3.29	0.723	2.2233
40	2,107.260	21,764.66	128.654	9.3284	95	0.734	2.27	0.528	2.0954
41	1,911.332	19,657.40	124.295	9.2847	96	0.517	1.54	0.377	1.9741
42	1,733.411	17,746.07	120.132	9.2377	97	0.357	1.02	0.264	1.8620
43	1,571.828	16,012.66	116.131	9.1873	98	0.241	0.66	0.181	1.7563
44	1,425.071	14,440.83	112.268	9.1334	99	0.160	0.42	0.121	1.6529
45	1,291.719	13,015.76	108.468	9.0763	100	0.103	0.26	0.079	1.5518
46	1,170.561	11,724.04	104.739	9.0157	101	0.065	0.16	0.051	1.4532
47	1,060.438	10,553.48	101.031	8.9520	102	0.040	0.10	0.032	1.3571
48	960.376	9,493.04	97.372	8.8847	103	0.024	0.05	0.019	1.2635
49	869.452	8,532.67	93.755	8.8138	104	0.014	0.03	0.011	1.1724
50	786.859	7,663.21	90.203	8.7390	105	0.008	0.02	0.006	1.0839
51	711.826	6,876.36	86.702	8.6602	106	0.004	0.01	0.004	0.9980
52	643.636	6,164.53	83.225	8.5777	107	0.002	0.00	0.002	0.9146
53	581.674	5,520.89	79.775	8.4914	108	0.001	0.00	0.001	0.8338
54	525.374	4,939.22	76.354	8.4013	109	0.001	0.00	0.000	0.7555

**Table 1.K. -- Actuarial Functions at 11.0 Percent Interest for 1989-91 United States
Total Population**

x	D_x	N_x	M_x	a_x	x	D_x	N_x	M_x	a_x
0	100,000.000	995,734.98	1,323.560	8.9573	55	288.287	2,514.30	39.122	7.7215
1	89,246.847	895,734.98	480.317	9.0366	56	257.711	2,226.01	37.115	7.6376
2	80,344.128	806,488.13	421.880	9.0379	57	230.212	1,968.30	35.155	7.5500
3	72,347.000	726,144.01	386.783	9.0370	58	205.477	1,738.09	33.234	7.4588
4	65,153.104	653,797.01	362.410	9.0348	59	183.227	1,532.61	31.347	7.3645
5	58,678.687	588,643.90	344.607	9.0316	60	163.221	1,349.38	29.498	7.2672
6	52,849.247	529,965.22	330.171	9.0279	61	145.246	1,186.16	27.698	7.1666
7	47,600.374	477,115.97	318.611	9.0234	62	129.114	1,040.92	25.960	7.0620
8	42,873.240	429,515.59	308.631	9.0183	63	114.646	911.80	24.288	6.9532
9	38,616.722	386,642.35	300.813	9.0123	64	101.674	797.16	22.676	6.8404
10	34,783.852	348,025.63	294.826	9.0054	65	90.049	695.48	21.127	6.7234
11	31,331.727	313,241.78	289.749	8.9976	66	79.643	605.43	19.645	6.6019
12	28,222.208	281,910.05	285.176	8.9889	67	70.339	525.79	18.234	6.4751
13	25,420.005	253,687.85	279.768	8.9799	68	62.024	455.45	16.889	6.3432
14	22,893.481	228,267.84	272.344	8.9709	69	54.594	393.43	15.605	6.2065
15	20,615.144	205,374.36	262.730	8.9623	70	47.954	338.84	14.376	6.0658
16	18,560.527	184,759.22	251.056	8.9544	71	42.024	290.88	13.198	5.9218
17	16,708.304	166,198.69	238.163	8.9471	72	36.732	248.86	12.071	5.7749
18	15,039.078	149,490.38	224.715	8.9401	73	32.016	212.12	10.994	5.6256
19	13,535.639	134,451.31	211.636	8.9331	74	27.824	180.11	9.975	5.4732
20	12,181.990	120,915.67	199.356	8.9258	75	24.108	152.29	9.017	5.3167
21	10,963.368	108,733.68	187.959	8.9179	76	20.823	128.18	8.121	5.1555
22	9,866.137	97,770.31	177.187	8.9097	77	17.924	107.35	7.285	4.9895
23	8,878.435	87,904.17	167.211	8.9009	78	15.369	89.43	6.507	4.8188
24	7,989.439	79,025.74	158.060	8.8913	79	13.121	74.06	5.781	4.6445
25	7,189.375	71,036.30	149.742	8.8807	80	11.144	60.94	5.105	4.4685
26	6,469.289	63,846.92	142.116	8.8692	81	9.409	49.80	4.475	4.2922
27	5,821.318	57,377.63	135.246	8.8565	82	7.893	40.39	3.891	4.1165
28	5,238.026	51,556.32	128.841	8.8427	83	6.575	32.49	3.355	3.9418
29	4,712.978	46,318.29	122.877	8.8278	84	5.437	25.92	2.869	3.7666
30	4,240.291	41,605.31	117.242	8.8119	85	4.462	20.48	2.433	3.5897
31	3,814.730	37,365.02	111.890	8.7949	86	3.630	16.02	2.043	3.4128
32	3,431.624	33,550.29	106.820	8.7768	87	2.923	12.39	1.695	3.2387
33	3,086.794	30,118.67	102.061	8.7573	88	2.327	9.47	1.389	3.0677
34	2,776.378	27,031.87	97.543	8.7364	89	1.830	7.14	1.123	2.9001
35	2,497.015	24,255.50	93.318	8.7138	90	1.421	5.31	0.895	2.7359
36	2,245.546	21,758.48	89.301	8.6896	91	1.086	3.89	0.701	2.5785
37	2,019.207	19,512.93	85.492	8.6637	92	0.816	2.80	0.539	2.4314
38	1,815.523	17,493.73	81.910	8.6356	93	0.602	1.98	0.406	2.2947
39	1,632.208	15,678.21	78.512	8.6055	94	0.437	1.38	0.300	2.1664
40	1,467.257	14,046.00	75.312	8.5730	95	0.311	0.95	0.217	2.0435
41	1,318.846	12,578.74	72.304	8.5377	96	0.217	0.64	0.154	1.9270
42	1,185.303	11,259.89	69.457	8.4996	97	0.148	0.42	0.107	1.8190
43	1,065.129	10,074.59	66.746	8.4586	98	0.099	0.27	0.073	1.7172
44	956.981	9,009.46	64.152	8.4145	99	0.065	0.17	0.048	1.6173
45	859.616	8,052.48	61.623	8.3675	100	0.042	0.11	0.031	1.5196
46	771.970	7,192.87	59.163	8.3175	101	0.026	0.06	0.020	1.4241
47	693.045	6,420.90	56.740	8.2648	102	0.016	0.04	0.012	1.3309
48	621.995	5,727.85	54.371	8.2088	103	0.010	0.02	0.007	1.2400
49	558.035	5,105.85	52.049	8.1497	104	0.005	0.01	0.004	1.1515
50	500.475	4,547.82	49.790	8.0870	105	0.003	0.01	0.002	1.0653
51	448.672	4,047.35	47.583	8.0207	106	0.002	0.00	0.001	0.9815
52	402.036	3,598.67	45.411	7.9511	107	0.001	0.00	0.001	0.9001
53	360.060	3,196.64	43.276	7.8781	108	0.000	0.00	0.000	0.8211
54	322.279	2,836.58	41.177	7.8016	109	0.000	0.00	0.000	0.7445

**Table 1.L. -- Actuarial Functions at 12.0 Percent Interest for 1989-91 United States
Total Population**

x	D_x	N_x	M_x	a_x	x	D_x	N_x	M_x	a_x
0	100,000.000	921,778.75	1,237.991	8.2178	55	176.035	1,444.68	21.247	7.2068
1	88,450.000	821,778.75	402.277	8.2909	56	155.959	1,268.65	20.032	7.1345
2	78,915.816	733,328.75	344.879	8.2925	57	138.073	1,112.69	18.857	7.0587
3	70,426.385	654,412.93	310.713	8.2922	58	122.138	974.61	17.715	6.9796
4	62,857.187	583,986.55	287.199	8.2907	59	107.940	852.48	16.603	6.8977
5	56,105.465	521,129.36	270.177	8.2884	60	95.296	744.54	15.524	6.8129
6	50,080.486	465,023.90	256.497	8.2855	61	84.044	649.24	14.482	6.7250
7	44,703.864	414,943.41	245.641	8.2820	62	74.043	565.20	13.486	6.6334
8	39,904.875	370,239.55	236.352	8.2781	63	65.159	491.15	12.535	6.5378
9	35,622.140	330,334.67	229.140	8.2733	64	57.270	426.00	11.627	6.4384
10	31,800.009	294,712.53	223.666	8.2677	65	50.269	368.73	10.763	6.3351
11	28,388.265	262,912.52	219.066	8.2613	66	44.063	318.46	9.942	6.2273
12	25,342.559	234,524.26	214.960	8.2542	67	38.568	274.39	9.169	6.1145
13	22,622.472	209,181.70	210.147	8.2466	68	33.705	235.83	8.438	5.9967
14	20,192.088	186,559.23	203.599	8.2392	69	29.403	202.12	7.747	5.8743
15	18,020.246	166,367.14	195.195	8.2322	70	25.596	172.72	7.091	5.7478
16	16,079.392	148,346.89	185.082	8.2259	71	22.230	147.12	6.467	5.6180
17	14,345.531	132,267.50	174.013	8.2201	72	19.258	124.89	5.876	5.4853
18	12,797.066	117,921.97	162.569	8.2148	73	16.635	105.63	5.317	5.3500
19	11,414.922	105,124.91	151.539	8.2094	74	14.328	89.00	4.792	5.2115
20	10,181.631	93,709.98	141.276	8.2038	75	12.304	74.67	4.303	5.0689
21	9,081.301	83,528.35	131.835	8.1978	76	10.532	62.37	3.850	4.9215
22	8,099.462	74,447.05	122.992	8.1916	77	8.985	51.83	3.431	4.7691
23	7,223.546	66,347.59	114.875	8.1849	78	7.636	42.85	3.044	4.6119
24	6,442.216	59,124.04	107.497	8.1776	79	6.460	35.21	2.687	4.4509
25	5,745.331	52,681.83	100.850	8.1695	80	5.438	28.75	2.357	4.2877
26	5,123.720	46,936.50	94.810	8.1606	81	4.551	23.32	2.052	4.1238
27	4,569.357	41,812.78	89.417	8.1507	82	3.783	18.77	1.773	3.9601
28	4,074.801	37,243.42	84.435	8.1399	83	3.123	14.98	1.518	3.7969
29	3,633.617	33,168.62	79.836	8.1283	84	2.560	11.86	1.289	3.6327
30	3,239.995	29,535.00	75.531	8.1158	85	2.082	9.30	1.086	3.4664
31	2,888.800	26,295.01	71.478	8.1024	86	1.679	7.22	0.905	3.2996
32	2,575.480	23,406.21	67.673	8.0881	87	1.339	5.54	0.746	3.1350
33	2,295.996	20,830.73	64.133	8.0726	88	1.057	4.20	0.607	2.9730
34	2,046.666	18,534.73	60.802	8.0561	89	0.824	3.14	0.487	2.8137
35	1,824.293	16,488.06	57.715	8.0381	90	0.634	2.32	0.385	2.6573
36	1,625.925	14,663.77	54.807	8.0187	91	0.480	1.68	0.300	2.5069
37	1,448.986	13,037.85	52.074	7.9979	92	0.358	1.20	0.229	2.3663
38	1,291.189	11,588.86	49.526	7.9753	93	0.262	0.85	0.171	2.2353
39	1,150.452	10,297.67	47.131	7.9510	94	0.188	0.58	0.125	2.1122
40	1,024.954	9,147.22	44.895	7.9245	95	0.133	0.40	0.090	1.9941
41	913.056	8,122.26	42.813	7.8957	96	0.092	0.26	0.063	1.8819
42	813.275	7,209.21	40.860	7.8644	97	0.062	0.17	0.044	1.7779
43	724.295	6,395.93	39.016	7.8306	98	0.041	0.11	0.029	1.6796
44	644.943	5,671.64	37.268	7.7940	99	0.027	0.07	0.019	1.5832
45	574.153	5,026.69	35.579	7.7550	100	0.017	0.04	0.013	1.4887
46	511.009	4,452.54	33.951	7.7132	101	0.011	0.03	0.008	1.3961
47	454.668	3,941.53	32.361	7.6690	102	0.006	0.01	0.005	1.3057
48	404.413	3,486.86	30.820	7.6220	103	0.004	0.01	0.003	1.2174
49	359.587	3,082.45	29.324	7.5722	104	0.002	0.00	0.002	1.1312
50	319.617	2,722.86	27.881	7.5191	105	0.001	0.00	0.001	1.0473
51	283.976	2,403.25	26.485	7.4629	106	0.001	0.00	0.001	0.9655
52	252.187	2,119.27	25.122	7.4036	107	0.000	0.00	0.000	0.8860
53	223.840	1,867.08	23.795	7.3412	108	0.000	0.00	0.000	0.8087
54	198.564	1,643.24	22.502	7.2757	109	0.000	0.00	0.000	0.7337

**Table 2.A. -- Actuarial Functions at 1.0 Percent Interest for 1989-91 United States
Total Males**

x	D_x	N_x	M_x	a_x	x	D_x	N_x	M_x	a_x
0	100,000.000	5,096,485.43	49,539.748	49.9649	55	50,038.051	1,004,020.66	40,097.252	19.0651
1	97,981.188	4,996,485.43	48,511.035	49.9943	56	49,049.443	953,982.61	39,604.071	18.4494
2	96,935.595	4,898,504.25	48,435.553	49.5336	57	48,034.674	904,933.17	39,074.940	17.8392
3	95,923.424	4,801,568.65	48,383.141	49.0563	58	46,989.709	856,898.49	38,505.565	17.2359
4	94,934.287	4,705,645.23	48,343.740	48.5674	59	45,910.135	809,908.78	37,891.236	16.6412
5	93,961.043	4,610,710.94	48,310.439	48.0705	60	44,794.489	763,998.65	37,230.146	16.0556
6	93,002.474	4,516,749.90	48,282.178	47.5659	61	43,645.205	719,204.16	36,524.371	15.4784
7	92,055.541	4,423,747.42	48,256.062	47.0552	62	42,465.723	675,558.96	35,777.020	14.9083
8	91,120.090	4,331,691.88	48,232.051	46.5383	63	41,255.632	633,093.23	34,987.383	14.3456
9	90,196.881	4,240,571.79	48,211.021	46.0146	64	40,014.560	591,837.60	34,154.782	13.7906
10	89,285.736	4,150,374.91	48,192.916	45.4842	65	38,741.122	551,823.04	33,277.528	13.2439
11	88,387.378	4,061,089.18	48,178.574	44.9465	66	37,438.160	513,081.92	32,358.141	12.7048
12	87,497.169	3,972,701.80	48,163.488	44.4038	67	36,108.941	475,643.76	31,399.597	12.1725
13	86,608.894	3,885,204.63	48,141.521	43.8592	68	34,752.556	439,534.82	30,400.726	11.6476
14	85,715.711	3,798,595.74	48,105.853	43.3162	69	33,366.141	404,782.26	29,358.396	11.1315
15	84,811.915	3,712,880.02	48,050.726	42.7778	70	31,945.471	371,416.12	28,268.083	10.6266
16	83,897.144	3,628,068.11	47,975.678	42.2442	71	30,487.988	339,470.65	27,126.893	10.1346
17	82,973.598	3,544,170.97	47,882.797	41.7144	72	28,995.662	308,982.66	25,936.428	9.6562
18	82,045.067	3,461,197.37	47,775.786	41.1865	73	27,471.375	279,987.00	24,699.227	9.1920
19	81,117.684	3,379,152.30	47,660.730	40.6574	74	25,923.670	252,515.62	23,423.515	8.7407
20	80,195.705	3,298,034.62	47,541.897	40.1248	75	24,363.144	226,591.95	22,119.659	8.3006
21	79,279.162	3,217,838.91	47,419.371	39.5887	76	22,797.179	202,228.81	20,794.913	7.8708
22	78,367.283	3,138,559.75	47,292.434	39.0494	77	21,230.088	179,431.63	19,453.537	7.4518
23	77,462.508	3,060,192.47	47,163.572	38.5055	78	19,668.324	158,201.54	18,101.972	7.0435
24	76,564.816	2,982,729.96	47,032.836	37.9569	79	18,116.269	138,533.22	16,744.653	6.6469
25	75,675.748	2,906,165.14	46,901.835	37.4029	80	16,578.133	120,416.95	15,385.886	6.2636
26	74,796.007	2,830,489.39	46,771.359	36.8428	81	15,054.386	103,838.82	14,026.279	5.8976
27	73,924.739	2,755,693.39	46,640.646	36.2770	82	13,552.112	88,784.43	12,673.058	5.5513
28	73,061.122	2,681,768.65	46,508.957	35.7058	83	12,088.180	75,232.32	11,343.306	5.2236
29	72,202.863	2,608,707.53	46,374.075	35.1303	84	10,685.723	63,144.14	10,060.533	4.9092
30	71,347.759	2,536,504.66	46,233.852	34.5513	85	9,363.505	52,458.42	8,844.115	4.6024
31	70,496.634	2,465,156.91	46,089.140	33.9684	86	8,123.369	43,094.91	7,696.686	4.3051
32	69,648.823	2,394,660.27	45,939.315	33.3819	87	6,963.254	34,971.54	6,617.001	4.0223
33	68,804.409	2,325,011.45	45,784.493	32.7916	88	5,890.305	28,008.29	5,612.995	3.7550
34	67,963.471	2,256,207.04	45,624.787	32.1973	89	4,912.578	22,117.98	4,693.588	3.5023
35	67,126.087	2,188,243.57	45,460.309	31.5990	90	4,034.088	17,205.40	3,863.738	3.2650
36	66,290.236	2,121,117.48	45,289.073	30.9974	91	3,257.021	13,171.32	3,126.612	3.0440
37	65,457.436	2,054,827.25	45,112.611	30.3918	92	2,579.818	9,914.30	2,481.657	2.8430
38	64,626.406	1,989,369.81	44,929.675	29.7826	93	2,002.514	7,334.48	1,929.896	2.6626
39	63,798.632	1,924,743.40	44,741.767	29.1690	94	1,523.514	5,331.96	1,470.722	2.4998
40	62,974.870	1,860,944.77	44,549.674	28.5506	95	1,137.345	3,808.45	1,099.638	2.3485
41	62,155.180	1,797,969.90	44,353.498	27.9271	96	833.257	2,671.10	806.811	2.2056
42	61,337.648	1,735,814.72	44,151.364	27.2993	97	597.833	1,837.85	579.637	2.0742
43	60,521.085	1,674,477.07	43,942.104	26.6677	98	420.596	1,240.01	408.319	1.9482
44	59,703.060	1,613,955.99	43,723.298	26.0331	99	289.878	819.42	281.765	1.8268
45	58,881.881	1,554,252.93	43,493.238	25.3961	100	195.424	529.54	190.181	1.7097
46	58,052.761	1,495,371.05	43,247.107	24.7588	101	128.661	334.12	125.352	1.5969
47	57,215.493	1,437,318.29	42,984.619	24.1211	102	82.571	205.45	80.537	1.4882
48	56,367.405	1,380,102.79	42,703.021	23.4841	103	51.554	122.88	50.337	1.3836
49	55,509.622	1,323,735.39	42,403.331	22.8470	104	31.245	71.33	30.539	1.2829
50	54,641.409	1,268,225.77	42,084.718	22.2100	105	18.337	40.09	17.940	1.1861
51	53,759.060	1,213,584.36	41,743.374	21.5745	106	10.392	21.75	10.176	1.0929
52	52,860.813	1,159,825.30	41,377.394	20.9411	107	5.669	11.36	5.557	1.0033
53	51,942.034	1,106,964.49	40,981.989	20.3115	108	2.967	5.69	2.910	0.9171
54	51,001.792	1,055,022.45	40,556.025	19.6860	109	1.483	2.72	1.456	0.8344

**Table 2.B. -- Actuarial Functions at 2.0 Percent Interest for 1989-91 United States
Total Males**

x	D_x	N_x	M_x	a_x	x	D_x	N_x	M_x	a_x
0	100,000.000	3,786,852.47	25,747.991	36.8685	55	29,104.926	518,932.45	18,929.779	16.8297
1	97,020.588	3,686,852.47	24,729.363	37.0007	56	28,250.192	489,827.53	18,645.730	16.3389
2	95,044.214	3,589,831.88	24,655.353	36.7701	57	27,394.499	461,577.34	18,343.963	15.8493
3	93,129.716	3,494,787.66	24,604.468	36.5260	58	26,535.817	434,182.84	18,022.428	15.3621
4	91,265.766	3,401,657.95	24,566.590	36.2720	59	25,671.987	407,647.02	17,678.908	14.8791
5	89,444.540	3,310,392.18	24,534.890	36.0106	60	24,802.571	381,975.03	17,312.865	14.4006
6	87,664.087	3,220,947.64	24,508.251	35.7419	61	23,929.292	357,172.46	16,925.911	13.9262
7	85,920.807	3,133,283.56	24,483.875	35.4671	62	23,054.359	333,243.17	16,520.179	13.4547
8	84,213.895	3,047,362.75	24,461.684	35.1860	63	22,177.826	310,188.81	16,095.693	12.9864
9	82,543.397	2,963,148.85	24,442.439	34.8981	64	21,299.773	288,010.98	15,652.499	12.5218
10	80,908.492	2,880,605.46	24,426.032	34.6033	65	20,419.746	266,711.21	15,190.114	12.0614
11	79,309.183	2,799,696.96	24,413.164	34.3010	66	19,539.517	246,291.46	14,710.273	11.6048
12	77,740.696	2,720,387.78	24,399.759	33.9931	67	18,661.016	226,751.95	14,214.899	11.1511
13	76,197.043	2,642,647.09	24,380.433	33.6818	68	17,783.961	208,090.93	13,703.746	10.7010
14	74,671.910	2,566,450.04	24,349.361	33.3697	69	16,907.092	190,306.97	13,175.583	10.2560
15	73,160.202	2,491,778.13	24,301.808	33.0592	70	16,028.520	173,399.88	12,628.523	9.8182
16	71,661.585	2,418,617.93	24,237.704	32.7506	71	15,147.261	157,371.36	12,061.548	9.3894
17	70,177.898	2,346,956.34	24,159.147	32.4430	72	14,264.599	142,224.10	11,475.891	8.9704
18	68,712.241	2,276,778.45	24,069.526	32.1350	73	13,382.220	127,959.50	10,873.210	8.5619
19	67,269.528	2,208,066.21	23,974.112	31.8242	74	12,504.474	114,577.28	10,257.861	8.1629
20	65,852.937	2,140,796.68	23,876.531	31.5088	75	11,636.530	102,072.80	9,635.102	7.7718
21	64,462.077	2,074,943.74	23,776.905	31.1886	76	10,781.829	90,436.27	9,008.569	7.3878
22	63,095.914	2,010,481.66	23,674.705	30.8639	77	9,942.242	79,654.45	8,380.391	7.0117
23	61,756.006	1,947,385.75	23,571.971	30.5335	78	9,120.552	69,712.20	7,753.646	6.6434
24	60,441.898	1,885,629.74	23,468.766	30.1974	79	8,318.475	60,591.65	7,130.404	6.2840
25	59,154.361	1,825,187.85	23,366.364	29.8547	80	7,537.577	52,273.18	6,512.613	5.9350
26	57,893.481	1,766,033.49	23,265.374	29.5049	81	6,777.670	44,735.60	5,900.501	5.6004
27	56,658.132	1,708,140.00	23,165.191	29.1482	82	6,041.511	37,957.93	5,297.237	5.2829
28	55,447.247	1,651,481.87	23,065.250	28.7847	83	5,336.060	31,916.42	4,710.248	4.9813
29	54,258.686	1,596,034.62	22,963.890	28.4153	84	4,670.731	26,580.36	4,149.548	4.6908
30	53,090.449	1,541,775.94	22,859.548	28.0406	85	4,052.664	21,909.63	3,623.064	4.4062
31	51,942.834	1,488,685.49	22,752.923	27.6601	86	3,481.445	17,856.96	3,131.308	4.1292
32	50,815.037	1,436,742.65	22,643.612	27.2740	87	2,954.995	14,375.52	2,673.123	3.8648
33	49,706.815	1,385,927.62	22,531.763	26.8820	88	2,475.162	11,420.52	2,251.230	3.6141
34	48,617.925	1,336,220.80	22,417.517	26.4841	89	2,044.073	8,945.36	1,868.674	3.3762
35	47,548.126	1,287,602.88	22,301.011	26.0800	90	1,662.086	6,901.29	1,526.767	3.1522
36	46,495.705	1,240,054.75	22,180.906	25.6703	91	1,328.770	5,239.20	1,226.041	2.9429
37	45,461.469	1,193,559.05	22,058.350	25.2543	92	1,042.173	3,910.43	965.498	2.7522
38	44,444.260	1,148,097.58	21,932.543	24.8323	93	801.027	2,868.26	744.787	2.5807
39	43,444.845	1,103,653.32	21,804.583	24.4036	94	603.447	2,067.23	562.913	2.4257
40	42,463.458	1,060,208.47	21,675.057	23.9675	95	446.073	1,463.78	417.372	2.2815
41	41,499.858	1,017,745.02	21,544.074	23.5241	96	323.604	1,017.71	303.649	2.1449
42	40,552.497	976,245.16	21,410.435	23.0736	97	229.899	694.10	216.289	2.0192
43	39,620.358	935,692.66	21,273.443	22.6165	98	160.156	464.21	151.054	1.8985
44	38,701.650	896,072.30	21,131.605	22.1533	99	109.299	304.05	103.337	1.7818
45	37,795.123	857,370.65	20,983.934	21.6847	100	72.962	194.75	69.144	1.6692
46	36,897.605	819,575.53	20,827.496	21.2122	101	47.565	121.79	45.177	1.5605
47	36,008.924	782,677.92	20,662.298	20.7357	102	30.227	74.22	28.771	1.4556
48	35,127.378	746,669.00	20,486.810	20.2560	103	18.687	44.00	17.824	1.3544
49	34,253.674	711,541.62	20,301.878	19.7727	104	11.215	25.31	10.718	1.2569
50	33,387.353	677,287.95	20,107.197	19.2858	105	6.517	14.10	6.241	1.1629
51	32,526.173	643,900.60	19,900.671	18.7964	106	3.657	7.58	3.508	1.0724
52	31,669.145	611,374.42	19,681.411	18.3050	107	1.976	3.92	1.899	0.9852
53	30,813.615	579,705.28	19,446.845	17.8133	108	1.024	1.95	0.986	0.9013
54	29,959.209	548,891.66	19,196.627	17.3213	109	0.507	0.92	0.489	0.8206

**Table 2.C. -- Actuarial Functions at 3.0 Percent Interest for 1989-91 United States
Total Males**

x	D_x	N_x	M_x	a_x	x	D_x	N_x	M_x	a_x
0	100,000.000	2,946,045.96	14,192.836	28.4605	55	17,018.786	272,008.63	9,096.205	14.9828
1	96,078.641	2,846,045.96	13,184.098	28.6220	56	16,358.611	254,989.84	8,931.723	14.5875
2	93,207.654	2,749,967.32	13,111.518	28.5037	57	15,709.102	238,631.23	8,758.677	14.1906
3	90,443.450	2,656,759.66	13,062.101	28.3748	58	15,068.964	222,922.13	8,576.086	13.7935
4	87,772.747	2,566,316.21	13,025.673	28.2382	59	14,436.881	207,853.17	8,382.905	13.3974
5	85,186.068	2,478,543.47	12,995.482	28.0956	60	13,812.539	193,416.29	8,179.055	13.0029
6	82,679.796	2,393,357.40	12,970.357	27.9473	61	13,196.830	179,603.75	7,965.653	12.6096
7	80,248.880	2,310,677.60	12,947.590	27.7939	62	12,590.871	166,406.92	7,744.067	12.2165
8	77,891.009	2,230,428.72	12,927.066	27.6353	63	11,994.569	153,816.05	7,514.490	11.8238
9	75,604.711	2,152,537.71	12,909.438	27.4709	64	11,407.844	141,821.48	7,277.122	11.4319
10	73,387.751	2,076,933.00	12,894.556	27.3008	65	10,830.335	130,413.63	7,031.880	11.0415
11	71,238.685	2,003,545.25	12,882.998	27.1244	66	10,262.858	119,583.30	6,779.850	10.6520
12	69,151.848	1,932,306.57	12,871.074	26.9429	67	9,706.278	109,320.44	6,522.188	10.2629
13	67,120.693	1,863,154.72	12,854.050	26.7583	68	9,160.283	99,614.16	6,258.900	9.8746
14	65,138.615	1,796,034.03	12,826.945	26.5725	69	8,624.070	90,453.88	5,989.491	9.4885
15	63,200.295	1,730,895.41	12,785.865	26.3875	70	8,096.545	81,829.81	5,713.152	9.1068
16	61,304.671	1,667,695.12	12,731.027	26.2034	71	7,577.106	73,733.26	5,429.535	8.7311
17	59,452.546	1,606,390.45	12,664.475	26.0197	72	7,066.295	66,156.16	5,139.417	8.3622
18	57,645.732	1,546,937.90	12,589.288	25.8353	73	6,564.827	59,089.86	4,843.763	8.0010
19	55,887.460	1,489,292.17	12,510.019	25.6481	74	6,074.682	52,525.04	4,544.826	7.6465
20	54,179.387	1,433,404.71	12,429.736	25.4566	75	5,598.150	46,450.35	4,245.227	7.2974
21	52,520.177	1,379,225.32	12,348.566	25.2609	76	5,136.608	40,852.20	3,946.738	6.9531
22	50,908.004	1,326,705.14	12,266.107	25.0608	77	4,690.631	35,715.60	3,650.371	6.6142
23	49,343.163	1,275,797.14	12,184.023	24.8556	78	4,261.191	31,024.97	3,357.551	6.2808
24	47,824.322	1,226,453.98	12,102.362	24.6450	79	3,848.722	26,763.77	3,069.195	5.9539
25	46,351.143	1,178,629.65	12,022.124	24.4283	80	3,453.564	22,915.05	2,786.136	5.6352
26	44,922.745	1,132,278.51	11,943.759	24.2050	81	3,075.241	19,461.49	2,508.401	5.3284
27	43,537.333	1,087,355.77	11,866.777	23.9752	82	2,714.608	16,386.25	2,237.339	5.0363
28	42,193.204	1,043,818.43	11,790.726	23.7390	83	2,374.353	13,671.64	1,976.150	4.7580
29	40,887.894	1,001,625.23	11,714.343	23.4969	84	2,058.128	11,297.29	1,729.081	4.4891
30	39,619.119	960,737.33	11,636.478	23.2493	85	1,768.443	9,239.16	1,499.342	4.2245
31	38,386.366	921,118.22	11,557.680	22.9960	86	1,504.433	7,470.71	1,286.840	3.9658
32	37,188.319	882,731.85	11,477.683	22.7368	87	1,264.542	5,966.28	1,090.767	3.7181
33	36,024.104	845,543.53	11,396.622	22.4716	88	1,048.921	4,701.74	911.977	3.4825
34	34,892.864	809,519.43	11,314.628	22.2001	89	857.825	3,652.82	751.432	3.2582
35	33,793.763	774,626.56	11,231.824	21.9222	90	690.747	2,794.99	609.339	3.0463
36	32,724.945	740,832.80	11,147.291	21.6382	91	546.862	2,104.25	485.574	2.8479
37	31,686.371	708,107.85	11,061.870	21.3474	92	424.748	1,557.38	379.387	2.6666
38	30,676.632	676,421.48	10,975.035	21.0501	93	323.297	1,132.64	290.307	2.5034
39	29,695.674	645,744.85	10,887.571	20.7454	94	241.188	809.34	217.615	2.3556
40	28,743.076	616,049.18	10,799.896	20.4330	95	176.558	568.15	160.010	2.2179
41	27,818.099	587,306.10	10,712.096	20.1124	96	126.840	391.59	115.435	2.0873
42	26,919.152	559,488.00	10,623.385	19.7840	97	89.236	264.75	81.525	1.9669
43	26,045.045	532,568.85	10,533.331	19.4480	98	61.562	175.52	56.450	1.8511
44	25,194.118	506,523.81	10,440.997	19.1048	99	41.605	113.95	38.286	1.7389
45	24,365.110	481,329.69	10,345.799	18.7549	100	27.504	72.35	25.397	1.6305
46	23,555.576	456,964.58	10,245.929	18.3994	101	17.756	44.85	16.450	1.5256
47	22,765.052	433,409.00	10,141.489	18.0383	102	11.174	27.09	10.385	1.4243
48	21,992.125	410,643.95	10,031.622	17.6723	103	6.841	15.92	6.378	1.3264
49	21,236.922	388,651.82	9,916.966	17.3008	104	4.066	9.07	3.801	1.2319
50	20,498.843	367,414.90	9,797.438	16.9237	105	2.340	5.01	2.194	1.1407
51	19,776.219	346,916.06	9,671.868	16.5421	106	1.300	2.67	1.222	1.0527
52	19,068.195	327,139.84	9,539.850	16.1563	107	0.696	1.37	0.656	0.9678
53	18,372.948	308,071.64	9,399.988	15.7677	108	0.357	0.67	0.337	0.8860
54	17,690.067	289,698.70	9,252.241	15.3763	109	0.175	0.32	0.166	0.8072

**Table 2.D. -- Actuarial Functions at 4.0 Percent Interest for 1989-91 United States
Total Males**

x	D_x	N_x	M_x	a_x	x	D_x	N_x	M_x	a_x
0	100,000.000	2,381,747.04	8,394.344	22.8175	55	10,003.277	144,474.94	4,446.548	13.4428
1	95,154.808	2,281,747.04	7,395.306	22.9793	56	9,522.786	134,471.67	4,350.799	13.1210
2	91,423.817	2,186,592.24	7,324.115	22.9171	57	9,056.759	124,948.88	4,251.033	12.7962
3	87,859.510	2,095,168.42	7,276.109	22.8468	58	8,604.165	115,892.12	4,146.776	12.4693
4	84,445.251	2,007,308.91	7,241.062	22.7705	59	8,163.993	107,287.96	4,037.533	12.1416
5	81,168.590	1,922,863.66	7,212.295	22.6898	60	7,735.825	99,123.96	3,923.365	11.8136
6	78,023.011	1,841,695.07	7,188.586	22.6045	61	7,319.925	91,388.14	3,804.997	11.4848
7	75,000.848	1,763,672.06	7,167.308	22.5154	62	6,916.664	84,068.21	3,683.271	11.1544
8	72,097.203	1,688,671.21	7,148.310	22.4221	63	6,525.735	77,151.55	3,558.368	10.8227
9	69,308.074	1,616,574.01	7,132.150	22.3245	64	6,146.845	70,625.81	3,430.467	10.4898
10	66,628.867	1,547,265.93	7,118.639	22.2222	65	5,779.555	64,478.97	3,299.595	10.1564
11	64,055.825	1,480,637.07	7,108.246	22.1148	66	5,424.064	58,699.41	3,166.394	9.8220
12	61,581.522	1,416,581.24	7,097.628	22.0033	67	5,080.577	53,275.35	3,031.525	9.4861
13	59,197.987	1,354,999.72	7,082.613	21.8893	68	4,748.682	48,194.77	2,895.037	9.1491
14	56,897.465	1,295,801.73	7,058.937	21.7743	69	4,427.722	43,446.09	2,756.719	8.8123
15	54,673.564	1,238,904.27	7,023.400	21.6600	70	4,116.913	39,018.37	2,616.207	8.4776
16	52,523.751	1,184,230.70	6,976.416	21.5466	71	3,815.744	34,901.46	2,473.380	8.1467
17	50,447.135	1,131,706.95	6,919.945	21.4335	72	3,524.289	31,085.71	2,328.685	7.8204
18	48,443.677	1,081,259.82	6,856.760	21.3199	73	3,242.701	27,561.42	2,182.646	7.4995
19	46,514.483	1,032,816.14	6,790.785	21.2042	74	2,971.742	24,318.72	2,036.406	7.1833
20	44,659.288	986,301.66	6,724.609	21.0850	75	2,712.289	21,346.98	1,891.251	6.8705
21	42,875.359	941,642.37	6,658.345	20.9623	76	2,464.743	18,634.69	1,748.025	6.5605
22	41,159.638	898,767.01	6,591.676	20.8361	77	2,229.105	16,169.95	1,607.184	6.2540
23	39,510.848	857,607.37	6,525.949	20.7056	78	2,005.553	13,940.84	1,469.366	5.9511
24	37,926.439	818,096.52	6,461.188	20.5706	79	1,794.004	11,935.29	1,334.955	5.6529
25	36,404.711	780,170.08	6,398.169	20.4305	80	1,594.331	10,141.29	1,204.281	5.3608
26	34,943.573	743,765.37	6,337.212	20.2848	81	1,406.028	8,546.96	1,077.299	5.0788
27	33,540.284	708,821.80	6,277.907	20.1334	82	1,229.209	7,140.93	954.558	4.8094
28	32,192.248	675,281.52	6,219.882	19.9765	83	1,064.799	5,911.72	837.426	4.5520
29	30,896.367	643,089.27	6,162.164	19.8144	84	914.111	4,846.92	727.691	4.3023
30	29,649.773	612,192.90	6,103.892	19.6475	85	777.896	3,932.81	626.634	4.0557
31	28,450.994	582,543.13	6,045.489	19.4753	86	655.401	3,154.91	534.058	3.8137
32	27,298.004	554,092.14	5,986.768	19.2979	87	545.596	2,499.51	449.461	3.5813
33	26,189.150	526,794.13	5,927.837	19.1150	88	448.213	1,953.92	373.063	3.3593
34	25,122.839	500,604.98	5,868.802	18.9263	89	363.032	1,505.70	305.120	3.1476
35	24,097.531	475,482.14	5,809.756	18.7316	90	289.513	1,142.67	245.564	2.9469
36	23,111.004	451,384.61	5,750.057	18.5312	91	227.003	853.16	194.189	2.7584
37	22,162.373	428,273.61	5,690.311	18.3244	92	174.618	626.15	150.535	2.5859
38	21,249.823	406,111.24	5,630.160	18.1113	93	131.632	451.54	114.266	2.4303
39	20,372.518	384,861.41	5,570.156	17.8912	94	97.257	319.90	84.953	2.2893
40	19,529.389	364,488.89	5,510.585	17.6636	95	70.511	222.65	61.947	2.1576
41	18,719.177	344,959.51	5,451.504	17.4281	96	50.168	152.14	44.317	2.0325
42	17,940.088	326,240.33	5,392.383	17.1850	97	34.956	101.97	31.034	1.9171
43	17,190.646	308,300.24	5,332.944	16.9342	98	23.883	67.01	21.306	1.8058
44	16,469.109	291,109.59	5,272.586	16.6761	99	15.986	43.13	14.327	1.6980
45	15,774.050	274,640.49	5,210.955	16.4109	100	10.466	27.14	9.422	1.5935
46	15,103.321	258,866.44	5,146.920	16.1397	101	6.692	16.68	6.050	1.4923
47	14,456.104	243,763.11	5,080.600	15.8623	102	4.171	9.99	3.787	1.3943
48	13,831.004	229,307.01	5,011.503	15.5792	103	2.529	5.82	2.305	1.2995
49	13,227.627	215,476.01	4,940.089	15.2898	104	1.488	3.29	1.362	1.2078
50	12,645.139	202,248.38	4,866.355	14.9942	105	0.848	1.80	0.779	1.1192
51	12,082.072	189,603.24	4,789.640	14.6929	106	0.467	0.95	0.430	1.0336
52	11,537.498	177,521.17	4,709.761	14.3865	107	0.247	0.48	0.229	0.9510
53	11,009.936	165,983.67	4,625.948	14.0758	108	0.126	0.24	0.117	0.8712
54	10,498.791	154,973.73	4,538.263	13.7611	109	0.061	0.11	0.057	0.7942

**Table 2.E. -- Actuarial Functions at 5.0 Percent Interest for 1989-91 United States
Total Males**

x	D_x	N_x	M_x	a_x	x	D_x	N_x	M_x	a_x
0	100,000.000	1,987,079.21	5,377.181	18.8708	55	5,909.687	77,695.33	2,209.910	12.1471
1	94,248.571	1,887,079.21	4,387.657	19.0224	56	5,572.246	71,785.64	2,153.882	11.8827
2	89,690.703	1,792,830.64	4,317.816	18.9890	57	5,249.079	66,213.40	2,096.060	11.6143
3	85,373.070	1,703,139.93	4,271.168	18.9494	58	4,939.274	60,964.32	2,036.211	11.3428
4	81,273.955	1,617,766.86	4,237.438	18.9051	59	4,641.956	56,025.04	1,974.096	11.0693
5	77,376.343	1,536,492.91	4,210.014	18.8574	60	4,356.614	51,383.09	1,909.800	10.7943
6	73,669.369	1,459,116.56	4,187.628	18.8063	61	4,083.129	47,026.47	1,843.773	10.5173
7	70,141.405	1,385,447.20	4,167.729	18.7522	62	3,821.441	42,943.35	1,776.520	10.2375
8	66,783.740	1,315,305.79	4,150.131	18.6950	63	3,571.116	39,121.90	1,708.168	9.9551
9	63,588.736	1,248,522.05	4,135.305	18.6343	64	3,331.738	35,550.79	1,638.843	9.6703
10	60,548.422	1,184,933.32	4,123.026	18.5700	65	3,102.823	32,219.05	1,568.583	9.3838
11	57,655.809	1,124,384.89	4,113.672	18.5017	66	2,884.240	29,116.23	1,497.753	9.0949
12	54,900.828	1,066,729.08	4,104.205	18.4301	67	2,675.862	26,231.99	1,426.720	8.8032
13	52,273.245	1,011,828.26	4,090.947	18.3565	68	2,477.239	23,556.12	1,355.518	8.5090
14	49,763.335	959,555.01	4,070.240	18.2824	69	2,287.806	21,078.89	1,284.049	8.2136
15	47,362.868	909,791.67	4,039.454	18.2090	70	2,106.951	18,791.08	1,212.138	7.9186
16	45,067.179	862,428.81	3,999.141	18.1365	71	1,934.221	16,684.13	1,139.739	7.6258
17	42,873.130	817,361.63	3,951.148	18.0647	72	1,769.467	14,749.91	1,067.090	7.3358
18	40,778.366	774,488.50	3,897.961	17.9926	73	1,612.582	12,980.44	994.466	7.0495
19	38,781.532	733,710.13	3,842.954	17.9191	74	1,463.760	11,367.86	922.434	6.7662
20	36,880.143	694,928.60	3,788.305	17.8429	75	1,323.241	9,904.10	851.617	6.4847
21	35,069.746	658,048.46	3,734.105	17.7640	76	1,191.019	8,580.86	782.407	6.2046
22	33,345.746	622,978.71	3,680.093	17.6824	77	1,066.895	7,389.84	714.998	5.9265
23	31,705.110	589,632.96	3,627.350	17.5974	78	950.756	6,322.94	649.664	5.6504
24	30,143.872	557,927.85	3,575.879	17.5088	79	842.370	5,372.19	586.551	5.3775
25	28,658.839	527,783.98	3,526.268	17.4161	80	741.484	4,529.82	525.778	5.1091
26	27,246.602	499,125.14	3,478.738	17.3188	81	647.681	3,788.33	467.284	4.8491
27	25,903.343	471,878.54	3,432.936	17.2169	82	560.838	3,140.65	411.283	4.5999
28	24,625.464	445,975.20	3,388.550	17.1103	83	481.197	2,579.82	358.349	4.3612
29	23,409.093	421,349.73	3,344.820	16.9994	84	409.165	2,098.62	309.230	4.1290
30	22,250.644	397,940.64	3,301.089	16.8845	85	344.877	1,689.45	264.427	3.8987
31	21,147.678	375,690.00	3,257.679	16.7651	86	287.803	1,344.58	223.775	3.6719
32	20,097.414	354,542.32	3,214.446	16.6412	87	237.303	1,056.77	186.980	3.4533
33	19,097.421	334,444.91	3,171.474	16.5126	88	193.090	819.47	154.068	3.2440
34	18,145.381	315,347.48	3,128.834	16.3789	89	154.905	626.38	125.077	3.0437
35	17,239.075	297,202.10	3,086.593	16.2400	90	122.358	471.48	99.907	2.8533
36	16,375.865	279,963.03	3,044.292	16.0961	91	95.025	349.12	78.401	2.6740
37	15,554.131	263,587.16	3,002.361	15.9464	92	72.400	254.09	60.301	2.5096
38	14,771.644	248,033.03	2,960.548	15.7912	93	54.058	181.69	45.406	2.3611
39	14,026.919	233,261.39	2,919.234	15.6296	94	39.560	127.64	33.483	2.2263
40	13,318.345	219,234.47	2,878.609	15.4611	95	28.408	88.07	24.214	2.1004
41	12,644.230	205,916.12	2,838.701	15.2854	96	20.020	59.67	17.178	1.9804
42	12,002.570	193,271.89	2,799.147	15.1025	97	13.816	39.65	11.928	1.8696
43	11,391.631	181,269.32	2,759.759	14.9125	98	9.350	25.83	8.120	1.7627
44	10,809.557	169,877.69	2,720.143	14.7155	99	6.199	16.48	5.414	1.6588
45	10,254.749	159,068.14	2,680.076	14.5117	100	4.020	10.28	3.530	1.5580
46	9,725.195	148,813.39	2,638.843	14.3018	101	2.546	6.26	2.247	1.4603
47	9,219.793	139,088.19	2,596.545	14.0858	102	1.571	3.72	1.394	1.3655
48	8,737.106	129,868.40	2,552.897	13.8640	103	0.944	2.15	0.842	1.2736
49	8,276.371	121,131.29	2,508.214	13.6358	104	0.550	1.20	0.493	1.1847
50	7,836.563	112,854.92	2,462.519	13.4011	105	0.311	0.65	0.280	1.0986
51	7,416.303	105,018.36	2,415.429	13.1605	106	0.169	0.34	0.153	1.0153
52	7,014.581	97,602.06	2,366.864	12.9142	107	0.089	0.17	0.081	0.9347
53	6,630.082	90,587.48	2,316.393	12.6631	108	0.045	0.08	0.041	0.8568
54	6,262.063	83,957.39	2,264.092	12.4073	109	0.022	0.04	0.020	0.7816

**Table 2.F. -- Actuarial Functions at 6.0 Percent Interest for 1989-91 United States
Total Males**

x	D_x	N_x	M_x	a_x	x	D_x	N_x	M_x	a_x
0	100,000.000	1,700,542.92	3,742.853	16.0054	55	3,508.757	42,273.32	1,115.928	11.0479
1	93,359.434	1,600,542.92	2,762.665	16.1439	56	3,277.197	38,764.57	1,082.976	10.8286
2	88,006.408	1,507,183.49	2,694.135	16.1258	57	3,058.010	35,487.37	1,049.291	10.6047
3	82,979.574	1,419,177.08	2,648.796	16.1027	58	2,850.377	32,429.36	1,014.753	10.3772
4	78,250.141	1,336,197.51	2,616.320	16.0760	59	2,653.527	29,578.98	979.245	10.1470
5	73,794.734	1,257,947.37	2,590.166	16.0466	60	2,466.920	26,925.45	942.838	9.9146
6	69,596.524	1,184,152.63	2,569.017	16.0145	61	2,290.248	24,458.53	905.803	9.6794
7	65,638.477	1,114,556.11	2,550.395	15.9802	62	2,123.245	22,168.29	868.436	9.4408
8	61,906.779	1,048,917.63	2,534.083	15.9435	63	1,965.442	20,045.04	830.817	9.1987
9	58,389.008	987,010.85	2,520.469	15.9041	64	1,816.396	18,079.60	793.023	8.9536
10	55,072.802	928,621.85	2,509.301	15.8617	65	1,675.638	16,263.20	755.080	8.7057
11	51,947.045	873,549.04	2,500.872	15.8161	66	1,542.901	14,587.57	717.190	8.4546
12	48,998.197	821,602.00	2,492.424	15.7680	67	1,417.927	13,044.66	679.550	8.1998
13	46,212.994	772,603.80	2,480.703	15.7183	68	1,300.293	11,626.74	642.176	7.9416
14	43,579.029	726,390.81	2,462.569	15.6684	69	1,189.532	10,326.44	605.016	7.6811
15	41,085.587	682,811.78	2,435.864	15.6193	70	1,085.163	9,136.91	567.979	7.4199
16	38,725.347	641,726.19	2,401.223	15.5712	71	986.802	8,051.75	531.042	7.1594
17	36,492.496	603,000.84	2,360.373	15.5240	72	894.231	7,064.95	494.328	6.9006
18	34,382.039	566,508.35	2,315.529	15.4769	73	807.258	6,170.72	457.972	6.6440
19	32,389.945	532,126.31	2,269.587	15.4288	74	725.845	5,363.46	422.253	6.3893
20	30,511.340	499,736.37	2,224.376	15.3787	75	649.975	4,637.61	387.468	6.1351
21	28,739.865	469,225.03	2,179.958	15.3266	76	579.508	3,987.64	353.793	5.8811
22	27,069.235	440,485.16	2,136.112	15.2725	77	514.216	3,408.13	321.303	5.6278
23	25,494.603	413,415.93	2,093.701	15.2158	78	453.918	2,893.91	290.111	5.3754
24	24,010.514	387,921.32	2,052.703	15.1563	79	398.377	2,440.00	260.264	5.1248
25	22,612.284	363,910.81	2,013.559	15.0935	80	347.357	2,041.62	231.794	4.8776
26	21,295.196	341,298.53	1,976.411	15.0270	81	300.552	1,694.26	204.650	4.6372
27	20,054.347	320,003.33	1,940.951	14.9568	82	257.797	1,393.71	178.908	4.4062
28	18,885.156	299,948.98	1,906.912	14.8828	83	219.103	1,135.91	154.806	4.1844
29	17,782.965	281,063.83	1,873.691	14.8052	84	184.547	916.81	132.652	3.9679
30	16,743.475	263,280.86	1,840.785	14.7244	85	154.084	732.26	112.635	3.7524
31	15,763.373	246,537.39	1,808.426	14.6399	86	127.371	578.18	94.644	3.5393
32	14,839.185	230,774.01	1,776.505	14.5517	87	104.031	450.81	78.513	3.3334
33	13,967.801	215,934.83	1,745.075	14.4595	88	83.850	346.78	64.221	3.1357
34	13,146.279	201,967.03	1,714.183	14.3631	89	66.633	262.93	51.750	2.9459
35	12,371.835	188,820.75	1,683.868	14.2621	90	52.136	196.29	41.025	2.7650
36	11,641.471	176,448.91	1,653.797	14.1569	91	40.108	144.16	31.948	2.5943
37	10,952.993	164,807.44	1,624.270	14.0468	92	30.270	104.05	24.381	2.4374
38	10,303.845	153,854.45	1,595.103	13.9318	93	22.388	73.78	18.212	2.2955
39	9,692.062	143,550.60	1,566.556	13.8112	94	16.229	51.39	13.320	2.1666
40	9,115.650	133,858.54	1,538.751	13.6845	95	11.544	35.16	9.554	2.0459
41	8,572.612	124,742.89	1,511.694	13.5513	96	8.059	23.62	6.722	1.9308
42	8,060.806	116,170.28	1,485.130	13.4117	97	5.509	15.56	4.628	1.8243
43	7,578.331	108,109.47	1,458.927	13.2656	98	3.693	10.05	3.124	1.7214
44	7,123.263	100,531.14	1,432.821	13.1131	99	2.425	6.36	2.065	1.6214
45	6,693.905	93,407.88	1,406.667	12.9542	100	1.558	3.93	1.335	1.5241
46	6,288.344	86,713.97	1,380.005	12.7896	101	0.977	2.37	0.843	1.4295
47	5,905.308	80,425.63	1,352.914	12.6192	102	0.598	1.40	0.519	1.3378
48	5,543.352	74,520.32	1,325.220	12.4432	103	0.356	0.80	0.310	1.2487
49	5,201.495	68,976.97	1,297.138	12.2610	104	0.205	0.44	0.180	1.1623
50	4,878.624	63,775.48	1,268.691	12.0724	105	0.115	0.24	0.101	1.0786
51	4,573.436	58,896.85	1,239.652	11.8780	106	0.062	0.12	0.055	0.9975
52	4,284.896	54,323.42	1,209.986	11.6779	107	0.032	0.06	0.029	0.9189
53	4,011.815	50,038.52	1,179.446	11.4728	108	0.016	0.03	0.014	0.8429
54	3,753.383	46,026.71	1,148.098	11.2627	109	0.008	0.01	0.007	0.7694

**Table 2.G. -- Actuarial Functions at 7.0 Percent Interest for 1989-91 United States
Total Males**

x	D_x	N_x	M_x	a_x	x	D_x	N_x	M_x	a_x
0	100,000.000	1,485,501.67	2,817.648	13.8550	55	2,093.477	23,254.46	572.157	10.1081
1	92,486.916	1,385,501.67	1,846.619	13.9805	56	1,937.044	21,160.99	552.680	9.9244
2	86,369.115	1,293,014.76	1,779.365	13.9708	57	1,790.597	19,223.94	532.956	9.7361
3	80,674.719	1,206,645.64	1,735.285	13.9569	58	1,653.421	17,433.35	512.921	9.5438
4	75,365.655	1,125,970.92	1,704.006	13.9401	59	1,524.849	15,779.93	492.517	9.3485
5	70,410.237	1,050,605.27	1,679.051	13.9212	60	1,404.366	14,255.08	471.791	9.1505
6	65,783.970	980,195.03	1,659.061	13.9002	61	1,291.606	12,850.71	450.905	8.9494
7	61,462.909	914,411.06	1,641.624	13.8774	62	1,186.232	11,559.11	430.028	8.7444
8	57,426.838	852,948.15	1,626.492	13.8528	63	1,087.807	10,372.87	409.208	8.5356
9	53,657.432	795,521.31	1,613.981	13.8259	64	995.919	9,285.07	388.485	8.3231
10	50,136.966	741,863.88	1,603.814	13.7967	65	910.156	8,289.15	367.876	8.1074
11	46,849.376	691,726.92	1,596.213	13.7649	66	830.225	7,378.99	347.487	7.8879
12	43,776.915	644,877.54	1,588.665	13.7310	67	755.847	6,548.77	327.423	7.6641
13	40,902.631	601,100.63	1,578.291	13.6959	68	686.662	5,792.92	307.686	7.4363
14	38,210.857	560,198.00	1,562.390	13.6607	69	622.300	5,106.26	288.246	7.2055
15	35,687.885	521,987.14	1,539.194	13.6265	70	562.394	4,483.96	269.051	6.9730
16	33,323.355	486,299.25	1,509.385	13.5933	71	506.638	3,921.56	250.088	6.7404
17	31,108.499	452,975.90	1,474.562	13.5612	72	454.820	3,414.92	231.414	6.5083
18	29,035.493	421,867.40	1,436.691	13.5294	73	406.748	2,960.10	213.096	6.2775
19	27,097.540	392,831.91	1,398.257	13.4970	74	362.309	2,553.36	195.267	6.0475
20	25,287.333	365,734.37	1,360.786	13.4631	75	321.405	2,191.05	178.066	5.8171
21	23,596.553	340,447.03	1,324.317	13.4278	76	283.882	1,869.64	161.569	5.5860
22	22,017.191	316,850.48	1,288.655	13.3910	77	249.544	1,585.76	145.802	5.3546
23	20,542.640	294,833.29	1,254.481	13.3523	78	218.223	1,336.22	130.807	5.1232
24	19,166.003	274,290.65	1,221.755	13.3113	79	189.731	1,117.99	116.591	4.8925
25	17,881.198	255,124.65	1,190.801	13.2678	80	163.887	928.26	103.159	4.6641
26	16,682.299	237,243.45	1,161.700	13.2213	81	140.478	764.38	90.472	4.4412
27	15,563.415	220,561.15	1,134.181	13.1718	82	119.369	623.90	78.553	4.2267
28	14,519.078	204,997.73	1,108.011	13.1192	83	100.504	504.53	67.497	4.0200
29	13,543.930	190,478.66	1,082.710	13.0638	84	83.861	404.03	57.430	3.8178
30	12,633.050	176,934.73	1,057.881	13.0057	85	69.364	320.16	48.419	3.6157
31	11,782.403	164,301.68	1,033.695	12.9447	86	56.803	250.80	40.395	3.4153
32	10,987.955	152,519.27	1,010.058	12.8806	87	45.960	194.00	33.269	3.2210
33	10,246.061	141,531.32	987.003	12.8132	88	36.698	148.04	27.014	3.0339
34	9,553.309	131,285.26	964.554	12.7424	89	28.891	111.34	21.607	2.8538
35	8,906.503	121,731.95	942.730	12.6678	90	22.394	82.45	17.000	2.6817
36	8,302.388	112,825.45	921.284	12.5895	91	17.066	60.05	13.138	2.5189
37	7,738.380	104,523.06	900.423	12.5071	92	12.760	42.99	9.948	2.3690
38	7,211.717	96,784.68	880.009	12.4205	93	9.349	30.23	7.372	2.2333
39	6,720.129	89,572.96	860.216	12.3291	94	6.714	20.88	5.348	2.1098
40	6,261.395	82,852.83	841.117	12.2323	95	4.731	14.17	3.804	1.9940
41	5,833.360	76,591.44	822.705	12.1299	96	3.272	9.43	2.655	1.8834
42	5,433.831	70,758.08	804.798	12.0218	97	2.216	6.16	1.813	1.7811
43	5,060.848	65,324.25	787.300	11.9078	98	1.471	3.95	1.213	1.6820
44	4,712.494	60,263.40	770.029	11.7880	99	0.957	2.48	0.795	1.5855
45	4,387.059	55,550.90	752.888	11.6624	100	0.609	1.52	0.510	1.4915
46	4,082.745	51,163.84	735.578	11.5317	101	0.379	0.91	0.319	1.4000
47	3,798.225	47,081.10	718.153	11.3956	102	0.229	0.53	0.195	1.3111
48	3,532.097	43,282.87	700.507	11.2542	103	0.135	0.30	0.115	1.2247
49	3,283.299	39,750.78	682.781	11.1070	104	0.077	0.17	0.066	1.1408
50	3,050.715	36,467.48	664.993	10.9537	105	0.043	0.09	0.037	1.0593
51	2,833.147	33,416.76	647.003	10.7949	106	0.023	0.05	0.020	0.9803
52	2,629.595	30,583.62	628.798	10.6305	107	0.012	0.02	0.010	0.9037
53	2,438.999	27,954.02	610.231	10.4613	108	0.006	0.01	0.005	0.8295
54	2,260.558	25,515.02	591.351	10.2870	109	0.003	0.00	0.002	0.7576

**Table 2.H. -- Actuarial Functions at 8.0 Percent Interest for 1989-91 United States
Total Males**

x	D_x	N_x	M_x	a_x	x	D_x	N_x	M_x	a_x
0	100,000.000	1,319,376.16	2,268.433	12.1938	55	1,255.074	12,925.19	297.653	9.2983
1	91,630.556	1,219,376.16	1,306.396	12.3075	56	1,150.537	11,670.12	286.084	9.1432
2	84,777.092	1,127,745.60	1,240.380	12.3025	57	1,053.705	10,519.58	274.477	8.9834
3	78,454.440	1,042,968.51	1,197.513	12.2939	58	963.972	9,465.87	262.797	8.8197
4	72,612.864	964,514.07	1,167.377	12.2830	59	880.781	8,501.90	251.011	8.6527
5	67,210.313	891,901.21	1,143.557	12.2703	60	803.677	7,621.12	239.150	8.4828
6	62,212.866	824,690.90	1,124.652	12.2560	61	732.304	6,817.44	227.308	8.3096
7	57,588.168	762,478.03	1,108.314	12.2402	62	666.332	6,085.14	215.581	8.1323
8	53,308.331	704,889.86	1,094.267	12.2229	63	605.387	5,418.81	203.994	7.9510
9	49,348.060	651,581.53	1,082.761	12.2038	64	549.118	4,813.42	192.568	7.7657
10	45,683.384	602,233.47	1,073.497	12.1828	65	497.184	4,264.30	181.310	7.5769
11	42,292.568	556,550.09	1,066.635	12.1595	66	449.322	3,767.12	170.276	7.3840
12	39,153.034	514,257.52	1,059.884	12.1346	67	405.280	3,317.80	159.517	7.1864
13	36,243.617	475,104.48	1,050.692	12.1086	68	364.775	2,912.52	149.033	6.9844
14	33,544.945	438,860.87	1,036.733	12.0828	69	327.523	2,547.74	138.801	6.7788
15	31,039.959	405,315.92	1,016.558	12.0579	70	293.253	2,220.22	128.792	6.5710
16	28,715.017	374,275.96	990.871	12.0342	71	261.734	1,926.97	118.995	6.3623
17	26,558.249	345,560.95	961.142	12.0114	72	232.789	1,665.23	109.438	6.1534
18	24,558.939	319,002.70	929.110	11.9893	73	206.256	1,432.44	100.149	5.9450
19	22,707.551	294,443.76	896.902	11.9668	74	182.020	1,226.19	91.192	5.7365
20	20,994.400	271,736.21	865.792	11.9433	75	159.976	1,044.17	82.630	5.5270
21	19,409.263	250,741.81	835.795	11.9187	76	139.991	884.19	74.495	5.3161
22	17,942.477	231,332.55	806.733	11.8930	77	121.918	744.20	66.792	5.1041
23	16,585.813	213,390.07	779.142	11.8658	78	105.629	622.28	59.534	4.8912
24	15,331.056	196,804.26	752.963	11.8370	79	90.987	516.65	52.717	4.6783
25	14,170.892	181,473.20	728.432	11.8061	80	77.866	425.67	46.335	4.4667
26	13,098.347	167,302.31	705.583	11.7728	81	66.126	347.80	40.363	4.2597
27	12,106.692	154,203.96	684.176	11.7371	82	55.669	281.68	34.804	4.0598
28	11,189.731	142,097.27	664.007	11.6989	83	46.437	226.01	29.696	3.8670
29	10,341.543	130,907.54	644.689	11.6584	84	38.389	179.57	25.087	3.6777
30	9,556.721	120,565.99	625.906	11.6158	85	31.458	141.18	21.001	3.4879
31	8,830.688	111,009.27	607.779	11.5709	86	25.523	109.72	17.395	3.2990
32	8,159.012	102,178.59	590.228	11.5234	87	20.460	84.20	14.223	3.1153
33	7,537.680	94,019.57	573.267	11.4733	88	16.186	63.74	11.464	2.9381
34	6,962.971	86,481.89	556.905	11.4203	89	12.624	47.55	9.101	2.7670
35	6,431.436	79,518.92	541.146	11.3641	90	9.695	34.93	7.107	2.6030
36	5,939.691	73,087.49	525.803	11.3049	91	7.320	25.24	5.451	2.4475
37	5,484.927	67,147.80	511.016	11.2422	92	5.422	17.92	4.095	2.3042
38	5,064.301	61,662.87	496.681	11.1760	93	3.936	12.49	3.011	2.1742
39	4,675.397	56,598.57	482.910	11.1056	94	2.800	8.56	2.167	2.0558
40	4,315.906	51,923.17	469.746	11.0307	95	1.955	5.76	1.529	1.9446
41	3,983.636	47,607.26	457.172	10.9507	96	1.340	3.80	1.058	1.8383
42	3,676.437	43,623.63	445.057	10.8657	97	0.899	2.46	0.716	1.7398
43	3,392.378	39,947.19	433.327	10.7756	98	0.591	1.56	0.476	1.6443
44	3,129.621	36,554.81	421.857	10.6803	99	0.381	0.97	0.309	1.5511
45	2,886.520	33,425.19	410.579	10.5798	100	0.240	0.59	0.197	1.4602
46	2,661.419	30,538.67	399.296	10.4746	101	0.148	0.35	0.122	1.3717
47	2,453.023	27,877.25	388.042	10.3644	102	0.089	0.20	0.074	1.2855
48	2,260.027	25,424.23	376.751	10.2495	103	0.052	0.11	0.043	1.2016
49	2,081.381	23,164.20	365.514	10.1292	104	0.029	0.06	0.025	1.1200
50	1,916.032	21,082.82	354.342	10.0034	105	0.016	0.03	0.014	1.0407
51	1,762.910	19,166.79	343.148	9.8722	106	0.009	0.02	0.007	0.9637
52	1,621.101	17,403.88	331.924	9.7358	107	0.004	0.01	0.004	0.8890
53	1,489.679	15,782.78	320.584	9.5948	108	0.002	0.00	0.002	0.8164
54	1,367.908	14,293.10	309.160	9.4489	109	0.001	0.00	0.001	0.7461

**Table 2.I. -- Actuarial Functions at 9.0 Percent Interest for 1989-91 United States
Total Males**

x	D_x	N_x	M_x	a_x	x	D_x	N_x	M_x	a_x
0	100,000.000	1,187,786.84	1,925.858	10.8779	55	755.994	7,254.42	157.005	8.5959
1	90,789.908	1,087,786.84	972.647	10.9814	56	686.669	6,498.43	150.101	8.4637
2	83,228.684	996,996.93	907.837	10.9790	57	623.107	5,811.76	143.237	8.3271
3	76,314.893	913,768.24	866.139	10.9737	58	564.814	5,188.65	136.393	8.1865
4	69,984.618	837,453.35	837.094	10.9662	59	511.336	4,623.84	129.551	8.0427
5	64,183.324	767,468.73	814.346	10.9574	60	462.293	4,112.50	122.728	7.8959
6	58,865.896	703,285.41	796.458	10.9472	61	417.373	3,650.21	115.979	7.7457
7	53,990.092	644,419.51	781.141	10.9359	62	376.288	3,232.84	109.357	7.5914
8	49,519.146	590,429.42	768.093	10.9233	63	338.735	2,856.55	102.874	7.4330
9	45,419.819	540,910.27	757.503	10.9091	64	304.432	2,517.81	96.539	7.2705
10	41,661.111	495,490.46	749.055	10.8934	65	273.111	2,213.38	90.355	7.1043
11	38,215.002	453,829.34	742.854	10.8757	66	244.555	1,940.27	84.349	6.9339
12	35,053.591	415,614.34	736.810	10.8565	67	218.560	1,695.71	78.547	6.7586
13	32,151.103	380,560.75	728.656	10.8366	68	194.912	1,477.15	72.945	6.5786
14	29,484.156	348,409.65	716.387	10.8168	69	173.401	1,282.24	67.528	6.3946
15	27,032.114	318,925.49	698.816	10.7980	70	153.833	1,108.84	62.278	6.2081
16	24,777.940	291,893.38	676.652	10.7804	71	136.039	955.01	57.186	6.0201
17	22,706.637	267,115.44	651.234	10.7638	72	119.885	818.97	52.264	5.8313
18	20,804.642	244,408.80	624.098	10.7478	73	105.246	699.08	47.524	5.6424
19	19,059.793	223,604.16	597.064	10.7317	74	92.027	593.84	42.995	5.4528
20	17,460.176	204,544.37	571.192	10.7149	75	80.140	501.81	38.706	5.2617
21	15,993.792	187,084.19	546.473	10.6973	76	69.485	421.67	34.668	5.0685
22	14,649.475	171,090.40	522.745	10.6789	77	59.959	352.18	30.880	4.8737
23	13,417.565	156,440.92	500.424	10.6594	78	51.472	292.23	27.343	4.6774
24	12,288.709	143,023.36	479.441	10.6386	79	43.930	240.75	24.052	4.4804
25	11,254.562	130,734.65	459.958	10.6161	80	37.250	196.82	20.998	4.2838
26	10,307.306	119,480.09	441.978	10.5918	81	31.344	159.57	18.168	4.0911
27	9,439.553	109,172.78	425.287	10.5655	82	26.145	128.23	15.557	3.9046
28	8,644.559	99,733.23	409.706	10.5371	83	21.609	102.08	13.180	3.7242
29	7,916.001	91,088.67	394.918	10.5069	84	17.700	80.48	11.055	3.5466
30	7,248.141	83,172.67	380.673	10.4750	85	14.372	62.78	9.188	3.3681
31	6,636.048	75,924.53	367.050	10.4412	86	11.553	48.40	7.556	3.1897
32	6,075.049	69,288.48	353.982	10.4054	87	9.176	36.85	6.134	3.0159
33	5,560.927	63,213.43	341.469	10.3674	88	7.193	27.67	4.908	2.8477
34	5,089.807	57,652.50	329.509	10.3271	89	5.558	20.48	3.867	2.6849
35	4,658.134	52,562.70	318.095	10.2841	90	4.229	14.92	2.997	2.5285
36	4,262.507	47,904.56	307.084	10.2386	91	3.164	10.69	2.281	2.3799
37	3,900.043	43,642.06	296.570	10.1901	92	2.322	7.53	1.701	2.2426
38	3,567.921	39,742.01	286.471	10.1387	93	1.670	5.21	1.240	2.1179
39	3,263.710	36,174.09	276.858	10.0837	94	1.178	3.54	0.885	2.0043
40	2,985.124	32,910.38	267.753	10.0248	95	0.815	2.36	0.620	1.8975
41	2,730.029	29,925.26	259.136	9.9615	96	0.553	1.55	0.425	1.7951
42	2,496.387	27,195.23	250.909	9.8938	97	0.368	0.99	0.286	1.7002
43	2,282.372	24,698.84	243.018	9.8216	98	0.240	0.63	0.188	1.6081
44	2,086.273	22,416.47	235.372	9.7447	99	0.153	0.39	0.121	1.5181
45	1,906.563	20,330.20	227.922	9.6633	100	0.096	0.23	0.076	1.4302
46	1,741.755	18,423.64	220.538	9.5776	101	0.058	0.14	0.047	1.3444
47	1,590.643	16,681.88	213.240	9.4875	102	0.035	0.08	0.028	1.2608
48	1,452.052	15,091.24	205.986	9.3930	103	0.020	0.04	0.016	1.1793
49	1,325.004	13,639.18	198.833	9.2937	104	0.011	0.02	0.009	1.1000
50	1,208.553	12,314.18	191.786	9.1892	105	0.006	0.01	0.005	1.0227
51	1,101.768	11,105.63	184.790	9.0798	106	0.003	0.01	0.003	0.9477
52	1,003.847	10,003.86	177.840	8.9655	107	0.002	0.00	0.001	0.8747
53	914.002	9,000.01	170.882	8.8468	108	0.001	0.00	0.001	0.8038
54	831.589	8,086.01	163.937	8.7236	109	0.000	0.00	0.000	0.7350

**Table 2.J. -- Actuarial Functions at 10.0 Percent Interest for 1989-91 United States
Total Males**

x	D_x	N_x	M_x	a_x	x	D_x	N_x	M_x	a_x
0	100,000.000	1,081,286.21	1,701.254	9.8129	55	457.486	4,109.31	83.912	7.9824
1	89,964.545	981,286.21	756.708	9.9075	56	411.757	3,651.83	79.772	7.8689
2	81,722.314	891,321.67	693.072	9.9067	57	370.246	3,240.07	75.694	7.7511
3	74,252.442	809,599.35	652.501	9.9033	58	332.557	2,869.82	71.664	7.6296
4	67,474.216	735,346.91	624.497	9.8982	59	298.333	2,537.27	67.672	7.5048
5	61,318.464	667,872.69	602.765	9.8919	60	267.267	2,238.93	63.728	7.3771
6	55,727.124	606,554.23	585.831	9.8844	61	239.104	1,971.67	59.861	7.2461
7	50,646.654	550,827.11	571.462	9.8759	62	213.608	1,732.56	56.102	7.1110
8	46,030.283	500,180.45	559.333	9.8663	63	190.542	1,518.96	52.455	6.9718
9	41,835.958	454,150.17	549.579	9.8555	64	169.689	1,328.41	48.924	6.8285
10	38,024.978	412,314.21	541.868	9.8432	65	150.847	1,158.72	45.509	6.6814
11	34,562.554	374,289.23	536.260	9.8293	66	133.847	1,007.88	42.222	6.5301
12	31,415.087	339,726.68	530.843	9.8141	67	118.532	874.03	39.075	6.3738
13	28,551.928	308,311.59	523.602	9.7983	68	104.746	755.50	36.064	6.2127
14	25,945.502	279,759.66	512.805	9.7826	69	92.339	650.75	33.180	6.0474
15	23,571.499	253,814.16	497.484	9.7678	70	81.174	558.41	30.409	5.8792
16	21,409.484	230,242.66	478.333	9.7542	71	71.132	477.24	27.747	5.7092
17	19,441.404	208,833.18	456.570	9.7417	72	62.115	406.11	25.196	5.5380
18	17,650.982	189,391.77	433.548	9.7298	73	54.035	343.99	22.763	5.3661
19	16,023.620	171,740.79	410.820	9.7180	74	46.819	289.96	20.459	5.1932
20	14,545.374	155,717.17	389.267	9.7056	75	40.400	243.14	18.297	5.0182
21	13,202.662	141,171.80	368.862	9.6927	76	34.711	202.74	16.280	4.8408
22	11,983.010	127,969.14	349.453	9.6792	77	29.680	168.03	14.405	4.6613
23	10,875.554	115,986.13	331.361	9.6648	78	25.247	138.35	12.670	4.4798
24	9,870.014	105,110.57	314.507	9.6495	79	21.352	113.10	11.070	4.2970
25	8,957.234	95,240.56	299.002	9.6328	80	17.940	91.75	9.600	4.1141
26	8,128.760	86,283.32	284.822	9.6146	81	14.958	73.81	8.249	3.9342
27	7,376.739	78,154.56	271.778	9.5947	82	12.364	58.85	7.014	3.7598
28	6,694.060	70,777.83	259.712	9.5732	83	10.126	46.49	5.900	3.5907
29	6,074.162	64,083.77	248.365	9.5502	84	8.219	36.36	4.913	3.4239
30	5,511.134	58,009.60	237.534	9.5259	85	6.613	28.14	4.054	3.2556
31	4,999.859	52,498.47	227.271	9.5000	86	5.267	21.53	3.310	3.0870
32	4,535.569	47,498.61	217.514	9.4725	87	4.146	16.26	2.668	2.9222
33	4,113.988	42,963.04	208.257	9.4432	88	3.220	12.11	2.119	2.7623
34	3,731.221	38,849.05	199.489	9.4119	89	2.466	8.89	1.657	2.6073
35	3,383.728	35,117.83	191.198	9.3784	90	1.859	6.43	1.275	2.4580
36	3,068.191	31,734.10	183.272	9.3429	91	1.378	4.57	0.963	2.3157
37	2,781.765	28,665.91	175.773	9.3049	92	1.002	3.19	0.712	2.1840
38	2,521.739	25,884.15	168.635	9.2644	93	0.714	2.19	0.515	2.0644
39	2,285.758	23,362.41	161.902	9.2209	94	0.499	1.47	0.365	1.9552
40	2,071.643	21,076.65	155.583	9.1739	95	0.342	0.98	0.253	1.8525
41	1,877.386	19,005.01	149.658	9.1231	96	0.230	0.63	0.173	1.7539
42	1,701.109	17,127.62	144.052	9.0685	97	0.152	0.40	0.115	1.6624
43	1,541.134	15,426.51	138.723	9.0098	98	0.098	0.25	0.075	1.5735
44	1,395.915	13,885.38	133.607	8.9472	99	0.062	0.15	0.048	1.4864
45	1,264.074	12,489.47	128.668	8.8803	100	0.038	0.09	0.030	1.4013
46	1,144.307	11,225.39	123.817	8.8098	101	0.023	0.05	0.018	1.3182
47	1,035.528	10,081.08	119.066	8.7352	102	0.014	0.03	0.011	1.2370
48	936.710	9,045.56	114.387	8.6567	103	0.008	0.02	0.006	1.1578
49	846.982	8,108.85	109.814	8.5738	104	0.004	0.01	0.004	1.0806
50	765.520	7,261.86	105.350	8.4862	105	0.002	0.00	0.002	1.0054
51	691.536	6,496.34	100.959	8.3941	106	0.001	0.00	0.001	0.9321
52	624.346	5,804.81	96.637	8.2974	107	0.001	0.00	0.001	0.8608
53	563.300	5,180.46	92.348	8.1966	108	0.000	0.00	0.000	0.7915
54	507.849	4,617.16	88.107	8.0916	109	0.000	0.00	0.000	0.7242

**Table 2.K. -- Actuarial Functions at 11.0 Percent Interest for 1989-91 United States
Total Males**

x	D_x	N_x	M_x	a_x	x	D_x	N_x	M_x	a_x
0	100,000.000	993,483.12	1,546.718	8.9348	55	278.107	2,348.13	45.410	7.4433
1	89,154.054	893,483.12	610.682	9.0218	56	248.053	2,070.02	42.915	7.3451
2	80,256.473	804,329.06	548.187	9.0220	57	221.036	1,821.97	40.481	7.2429
3	72,263.644	724,072.59	508.703	9.0199	58	196.748	1,600.93	38.097	7.1370
4	65,075.374	651,808.95	481.695	9.0162	59	174.910	1,404.19	35.756	7.0281
5	58,605.692	586,733.57	460.924	9.0115	60	155.285	1,229.28	33.464	6.9163
6	52,781.882	528,127.88	444.885	9.0059	61	137.670	1,073.99	31.238	6.8012
7	47,537.759	475,346.00	431.398	8.9993	62	121.882	936.32	29.093	6.6822
8	42,815.527	427,808.24	420.116	8.9919	63	107.741	814.44	27.031	6.5592
9	38,563.556	384,992.71	411.125	8.9833	64	95.086	706.70	25.052	6.4322
10	34,734.899	346,429.16	404.081	8.9735	65	83.766	611.61	23.156	6.3015
11	31,287.625	311,694.26	399.005	8.9622	66	73.656	527.85	21.347	6.1664
12	28,182.190	280,406.63	394.146	8.9498	67	64.641	454.19	19.631	6.0264
13	25,382.923	252,224.44	387.708	8.9368	68	56.608	389.55	18.004	5.8816
14	22,857.986	226,841.52	378.196	8.9240	69	49.453	332.94	16.459	5.7325
15	20,579.404	203,983.53	364.820	8.9120	70	43.082	283.49	14.989	5.5802
16	18,523.434	183,404.13	348.250	8.9012	71	37.412	240.41	13.588	5.4259
17	16,669.119	164,880.70	329.590	8.8914	72	32.376	202.99	12.259	5.2700
18	14,997.663	148,211.58	310.029	8.8823	73	27.910	170.62	11.002	5.1132
19	13,492.271	133,213.91	290.892	8.8734	74	23.965	142.71	9.823	4.9549
20	12,137.214	119,721.64	272.907	8.8640	75	20.493	118.74	8.726	4.7943
21	10,917.554	107,584.43	256.034	8.8543	76	17.449	98.25	7.712	4.6309
22	9,819.728	96,666.87	240.128	8.8441	77	14.785	80.80	6.778	4.4651
23	8,831.910	86,847.15	225.436	8.8333	78	12.464	66.02	5.921	4.2968
24	7,943.113	78,015.24	211.873	8.8217	79	10.446	53.55	5.139	4.1268
25	7,143.591	70,072.12	199.507	8.8091	80	8.698	43.11	4.426	3.9562
26	6,424.461	62,928.53	188.300	8.7951	81	7.187	34.41	3.777	3.7880
27	5,777.587	56,504.07	178.084	8.7799	82	5.887	27.22	3.189	3.6245
28	5,195.668	50,726.49	168.719	8.7632	83	4.778	21.34	2.663	3.4657
29	4,672.054	45,530.82	159.991	8.7454	84	3.843	16.56	2.202	3.3088
30	4,200.802	40,858.76	151.735	8.7264	85	3.064	12.72	1.804	3.1499
31	3,776.753	36,657.96	143.982	8.7062	86	2.419	9.65	1.462	2.9902
32	3,395.177	32,881.21	136.679	8.6847	87	1.887	7.23	1.170	2.8338
33	3,051.851	29,486.03	129.812	8.6617	88	1.452	5.35	0.922	2.6817
34	2,742.970	26,434.18	123.366	8.6371	89	1.102	3.89	0.716	2.5337
35	2,465.103	23,691.21	117.326	8.6106	90	0.823	2.79	0.547	2.3910
36	2,215.092	21,226.11	111.604	8.5825	91	0.605	1.97	0.410	2.2547
37	1,990.213	19,011.01	106.239	8.5523	92	0.436	1.36	0.301	2.1283
38	1,787.924	17,020.80	101.178	8.5199	93	0.308	0.93	0.216	2.0134
39	1,606.012	15,232.88	96.447	8.4849	94	0.213	0.62	0.152	1.9084
40	1,442.458	13,626.87	92.048	8.4470	95	0.145	0.41	0.104	1.8095
41	1,295.423	12,184.41	87.959	8.4057	96	0.097	0.26	0.071	1.7144
42	1,163.214	10,888.99	84.126	8.3611	97	0.063	0.17	0.047	1.6261
43	1,044.330	9,725.77	80.515	8.3129	98	0.040	0.10	0.030	1.5402
44	937.402	8,681.44	77.079	8.2612	99	0.025	0.06	0.019	1.4560
45	841.220	7,744.04	73.792	8.2057	100	0.016	0.04	0.012	1.3736
46	754.656	6,902.82	70.593	8.1470	101	0.009	0.02	0.007	1.2929
47	676.765	6,148.16	67.488	8.0846	102	0.005	0.01	0.004	1.2141
48	606.668	5,471.40	64.457	8.0188	103	0.003	0.01	0.002	1.1371
49	543.613	4,864.73	61.522	7.9489	104	0.002	0.00	0.001	1.0619
50	486.902	4,321.12	58.683	7.8747	105	0.001	0.00	0.001	0.9885
51	435.883	3,834.22	55.916	7.7964	106	0.000	0.00	0.000	0.9170
52	389.987	3,398.33	53.216	7.7140	107	0.000	0.00	0.000	0.8474
53	348.685	3,008.35	50.561	7.6277	108	0.000	0.00	0.000	0.7796
54	311.529	2,659.66	47.959	7.5374	109	0.000	0.00	0.000	0.7136

**Table 2.L. -- Actuarial Functions at 12.0 Percent Interest for 1989-91 United States
Total Males**

x	D_x	N_x	M_x	a_x	x	D_x	N_x	M_x	a_x
0	100,000.000	919,935.28	1,435.505	8.1994	55	169.818	1,352.90	24.865	6.9667
1	88,358.036	819,935.28	507.827	8.2797	56	150.114	1,183.08	23.356	6.8812
2	78,829.719	731,577.25	446.443	8.2805	57	132.570	1,032.97	21.895	6.7918
3	70,345.242	652,747.53	408.007	8.2792	58	116.949	900.40	20.478	6.6990
4	62,782.195	582,402.29	381.951	8.2766	59	103.040	783.45	19.099	6.6033
5	56,035.672	519,620.09	362.091	8.2730	60	90.662	680.41	17.761	6.5049
6	50,016.651	463,584.42	346.892	8.2686	61	79.660	589.75	16.473	6.4033
7	44,645.058	413,567.77	334.226	8.2635	62	69.895	510.08	15.243	6.2979
8	39,851.158	368,922.71	323.725	8.2575	63	61.234	440.19	14.071	6.1886
9	35,573.097	329,071.55	315.431	8.2506	64	53.559	378.96	12.957	6.0755
10	31,755.254	293,498.45	308.991	8.2425	65	46.762	325.40	11.898	5.9586
11	28,348.306	261,743.20	304.392	8.2331	66	40.751	278.64	10.897	5.8375
12	25,306.624	233,394.89	300.028	8.2227	67	35.444	237.88	9.956	5.7116
13	22,589.471	208,088.27	294.299	8.2117	68	30.762	202.44	9.072	5.5809
14	20,160.781	185,498.80	285.910	8.2010	69	26.634	171.68	8.240	5.4458
15	17,989.005	165,338.02	274.217	8.1911	70	22.996	145.04	7.455	5.3075
16	16,047.257	147,349.01	259.862	8.1822	71	19.791	122.05	6.714	5.1669
17	14,311.887	131,301.76	243.841	8.1743	72	16.974	102.26	6.017	5.0245
18	12,761.825	116,989.87	227.196	8.1672	73	14.502	85.28	5.364	4.8809
19	11,378.348	104,228.04	211.058	8.1602	74	12.341	70.78	4.757	4.7356
20	10,144.208	92,849.70	196.026	8.1530	75	10.459	58.44	4.197	4.5878
21	9,043.352	82,705.49	182.049	8.1454	76	8.825	47.98	3.684	4.4369
22	8,061.364	73,662.14	168.992	8.1377	77	7.412	39.16	3.216	4.2833
23	7,185.692	65,600.77	157.038	8.1294	78	6.192	31.75	2.791	4.1269
24	6,404.860	58,415.08	146.102	8.1204	79	5.143	25.55	2.405	3.9685
25	5,708.743	52,010.22	136.219	8.1106	80	4.244	20.41	2.057	3.8090
26	5,088.216	46,301.48	127.343	8.0997	81	3.476	16.17	1.744	3.6513
27	4,535.031	41,213.26	119.325	8.0878	82	2.822	12.69	1.462	3.4978
28	4,041.850	36,678.23	112.039	8.0746	83	2.270	9.87	1.212	3.3485
29	3,602.065	32,636.38	105.310	8.0605	84	1.809	7.60	0.995	3.2006
30	3,209.821	29,034.32	99.002	8.0455	85	1.430	5.79	0.809	3.0503
31	2,860.041	25,824.49	93.131	8.0294	86	1.118	4.36	0.651	2.8989
32	2,548.127	22,964.45	87.650	8.0123	87	0.865	3.24	0.517	2.7502
33	2,270.005	20,416.33	82.542	7.9940	88	0.660	2.38	0.405	2.6053
34	2,022.039	18,146.32	77.790	7.9743	89	0.496	1.72	0.312	2.4640
35	1,800.979	16,124.28	73.377	7.9531	90	0.367	1.22	0.236	2.3274
36	1,603.874	14,323.30	69.234	7.9304	91	0.267	0.85	0.176	2.1966
37	1,428.180	12,719.43	65.384	7.9060	92	0.191	0.59	0.128	2.0753
38	1,271.561	11,291.25	61.785	7.8798	93	0.134	0.40	0.091	1.9647
39	1,131.989	10,019.69	58.451	7.8514	94	0.092	0.26	0.064	1.8637
40	1,007.631	8,887.70	55.377	7.8204	95	0.062	0.17	0.043	1.7684
41	896.839	7,880.07	52.546	7.7865	96	0.041	0.11	0.029	1.6766
42	798.119	6,983.23	49.916	7.7496	97	0.026	0.07	0.019	1.5913
43	710.151	6,185.11	47.461	7.7096	98	0.017	0.04	0.012	1.5083
44	631.748	5,474.96	45.146	7.6664	99	0.010	0.03	0.008	1.4268
45	561.866	4,843.21	42.950	7.6199	100	0.006	0.01	0.005	1.3469
46	499.548	4,281.34	40.832	7.5704	101	0.004	0.01	0.003	1.2686
47	443.988	3,781.80	38.795	7.5178	102	0.002	0.00	0.002	1.1920
48	394.447	3,337.81	36.825	7.4620	103	0.001	0.00	0.001	1.1170
49	350.294	2,943.36	34.934	7.4026	104	0.001	0.00	0.001	1.0438
50	310.949	2,593.07	33.120	7.3392	105	0.000	0.00	0.000	0.9722
51	275.881	2,282.12	31.369	7.2721	106	0.000	0.00	0.000	0.9024
52	244.629	2,006.24	29.675	7.2011	107	0.000	0.00	0.000	0.8344
53	216.769	1,761.61	28.025	7.1267	108	0.000	0.00	0.000	0.7680
54	191.940	1,544.84	26.422	7.0485	109	0.000	0.00	0.000	0.7034

**Table 3.A. -- Actuarial Functions at 1.0 Percent Interest for 1989-91 United States
Total Females**

x	D_x	N_x	M_x	a_x	x	D_x	N_x	M_x	a_x
0	100,000.000	5,444,273.66	46,096.300	53.4427	55	53,734.266	1,277,160.57	41,089.112	22.7681
1	98,190.099	5,344,273.66	45,276.498	53.4278	56	52,900.951	1,223,426.31	40,787.819	22.1267
2	97,152.240	5,246,083.56	45,210.819	52.9986	57	52,053.349	1,170,525.36	40,463.989	21.4870
3	96,149.572	5,148,931.32	45,170.054	52.5513	58	51,189.269	1,118,472.01	40,115.289	20.8497
4	95,166.844	5,052,781.75	45,139.302	52.0939	59	50,304.396	1,067,282.74	39,737.240	20.2165
5	94,200.812	4,957,614.90	45,115.516	51.6282	60	49,398.449	1,016,978.34	39,329.357	19.5873
6	93,246.464	4,863,414.09	45,093.849	51.1566	61	48,471.721	967,579.89	38,891.722	18.9617
7	92,303.644	4,770,167.63	45,074.262	50.6791	62	47,525.586	919,108.17	38,425.505	18.3392
8	91,372.200	4,677,863.98	45,056.715	50.1957	63	46,558.707	871,582.59	37,929.176	17.7201
9	90,452.896	4,586,491.78	45,042.086	49.7059	64	45,569.287	825,023.88	37,400.734	17.1048
10	89,542.838	4,496,038.89	45,027.601	49.2110	65	44,556.663	779,454.59	36,839.291	16.4936
11	88,642.830	4,406,496.05	45,014.157	48.7107	66	43,521.252	734,897.93	36,245.035	15.8860
12	87,751.867	4,317,853.22	45,000.845	48.2053	67	42,462.956	691,376.68	35,617.642	15.2819
13	86,867.221	4,230,101.35	44,985.029	47.6962	68	41,380.684	648,913.72	34,955.796	14.6816
14	85,988.880	4,143,234.13	44,966.760	47.1834	69	40,270.887	607,533.04	34,255.708	14.0862
15	85,113.387	4,057,245.25	44,942.642	46.6687	70	39,128.679	567,262.15	33,512.222	13.4973
16	84,241.684	3,972,131.86	44,913.646	46.1516	71	37,950.377	528,133.47	32,721.332	12.9164
17	83,373.833	3,887,890.18	44,879.871	45.6320	72	36,733.440	490,183.09	31,880.142	12.3443
18	82,510.729	3,804,516.35	44,842.250	45.1094	73	35,476.424	453,449.65	30,986.823	11.7817
19	81,654.059	3,722,005.62	44,802.519	44.5826	74	34,180.839	417,973.23	30,042.490	11.2283
20	80,804.626	3,640,351.56	44,761.541	44.0513	75	32,851.010	383,792.39	29,051.085	10.6828
21	79,963.197	3,559,546.93	44,720.158	43.5148	76	31,490.648	350,941.38	28,015.981	10.1443
22	79,128.099	3,479,583.74	44,676.775	42.9741	77	30,101.482	319,450.73	26,938.604	9.6125
23	78,301.699	3,400,455.64	44,633.821	42.4276	78	28,679.215	289,349.25	25,814.371	9.0892
24	77,482.331	3,322,153.94	44,589.718	41.8763	79	27,216.094	260,670.04	24,635.203	8.5778
25	76,670.732	3,244,671.61	44,545.271	41.3196	80	25,707.407	233,453.94	23,395.982	8.0812
26	75,866.837	3,168,000.87	44,500.492	40.7574	81	24,153.569	207,746.54	22,096.673	7.6011
27	75,070.581	3,092,134.04	44,455.392	40.1897	82	22,560.761	183,592.97	20,743.009	7.1377
28	74,281.141	3,017,063.46	44,409.225	39.6168	83	20,938.017	161,032.20	19,343.639	6.6909
29	73,496.976	2,942,782.32	44,360.518	39.0395	84	19,296.641	140,094.19	17,909.570	6.2600
30	72,718.091	2,869,285.34	44,309.325	38.4577	85	17,647.514	120,797.55	16,451.498	5.8450
31	71,943.751	2,796,567.25	44,254.966	37.8716	86	15,997.278	103,150.03	14,975.990	5.4480
32	71,173.980	2,724,623.50	44,197.509	37.2812	87	14,353.585	87,152.76	13,490.687	5.0718
33	70,409.518	2,653,449.52	44,137.741	36.6859	88	12,736.707	72,799.17	12,015.923	4.7157
34	69,649.653	2,583,040.00	44,074.999	36.0862	89	11,167.763	60,062.46	10,573.085	4.3782
35	68,894.402	2,513,390.35	44,009.349	35.4818	90	9,664.986	48,894.70	9,180.880	4.0590
36	68,143.086	2,444,495.95	43,940.156	34.8730	91	8,237.372	39,229.71	7,848.958	3.7624
37	67,396.433	2,376,352.86	43,868.187	34.2593	92	6,898.332	30,992.34	6,591.477	3.4927
38	66,652.405	2,308,956.43	43,791.450	33.6418	93	5,672.204	24,094.01	5,433.650	3.2477
39	65,911.076	2,242,304.02	43,710.046	33.0201	94	4,580.745	18,421.81	4,398.351	3.0216
40	65,172.519	2,176,392.95	43,624.074	32.3943	95	3,631.577	13,841.06	3,494.537	2.8113
41	64,435.476	2,111,220.43	43,532.304	31.7649	96	2,823.461	10,209.48	2,722.377	2.6159
42	63,700.055	2,046,784.95	43,434.858	31.1316	97	2,148.542	7,386.02	2,075.413	2.4377
43	62,964.406	1,983,084.90	43,329.902	30.4953	98	1,600.239	5,237.48	1,548.382	2.2729
44	62,228.688	1,920,120.49	43,217.594	29.8559	99	1,166.510	3,637.24	1,130.498	2.1181
45	61,491.142	1,857,891.80	43,096.174	29.2140	100	832.068	2,470.73	807.606	1.9694
46	60,749.446	1,796,400.66	42,963.301	28.5707	101	579.688	1,638.66	563.464	1.8268
47	60,002.001	1,735,651.21	42,817.335	27.9266	102	393.654	1,058.97	383.169	1.6901
48	59,248.514	1,675,649.21	42,657.928	27.2817	103	259.975	665.32	253.388	1.5592
49	58,488.714	1,616,400.70	42,484.747	26.6361	104	166.549	405.35	162.536	1.4338
50	57,722.342	1,557,911.98	42,297.471	25.9898	105	103.206	238.80	100.842	1.3138
51	56,947.351	1,500,189.64	42,093.988	25.3434	106	61.660	135.59	60.317	1.1990
52	56,161.782	1,443,242.29	41,872.255	24.6979	107	35.385	73.93	34.653	1.0893
53	55,364.351	1,387,080.51	41,630.881	24.0537	108	19.423	38.54	19.042	0.9845
54	54,555.585	1,331,716.16	41,370.277	23.4103	109	10.148	19.12	9.958	0.8843

**Table 3.B. -- Actuarial Functions at 2.0 Percent Interest for 1989-91 United States
Total Females**

x	D_x	N_x	M_x	a_x	x	D_x	N_x	M_x	a_x
0	100,000.000	3,967,435.33	22,207.150	38.6744	55	31,254.851	648,387.77	18,541.366	19.7452
1	97,227.451	3,867,435.33	21,395.386	38.7772	56	30,468.480	617,132.91	18,367.835	19.2548
2	95,256.632	3,770,207.88	21,330.987	38.5795	57	29,686.376	586,664.43	18,183.152	18.7621
3	93,349.277	3,674,951.25	21,291.410	38.3678	58	28,907.374	556,978.06	17,986.236	18.2677
4	91,489.336	3,581,601.97	21,261.847	38.1478	59	28,129.166	528,070.68	17,774.839	17.7731
5	89,672.785	3,490,112.63	21,239.203	37.9205	60	27,351.770	499,941.52	17,548.995	17.2782
6	87,894.071	3,400,439.85	21,218.780	37.6879	61	26,575.520	472,589.75	17,309.054	16.7829
7	86,152.376	3,312,545.78	21,200.498	37.4498	62	25,801.325	446,014.23	17,055.948	16.2865
8	84,446.898	3,226,393.40	21,184.282	37.2062	63	25,028.605	420,212.90	16,789.136	15.7893
9	82,777.688	3,141,946.50	21,170.894	36.9564	64	24,256.557	395,184.30	16,507.846	15.2919
10	81,141.471	3,059,168.82	21,157.768	36.7017	65	23,485.012	370,927.74	16,211.919	14.7942
11	79,538.398	2,978,027.35	21,145.704	36.4414	66	22,714.371	347,442.73	15,901.768	14.2962
12	77,966.994	2,898,488.95	21,133.877	36.1758	67	21,944.756	324,728.36	15,577.533	13.7975
13	76,424.315	2,820,521.95	21,119.962	35.9061	68	21,175.779	302,783.60	15,238.846	13.2986
14	74,909.883	2,744,097.64	21,104.047	35.6320	69	20,405.824	281,607.82	14,884.102	12.8004
15	73,420.258	2,669,187.76	21,083.243	35.3549	70	19,632.668	261,202.00	14,511.061	12.3045
16	71,955.877	2,595,767.50	21,058.476	35.0744	71	18,854.778	241,569.33	14,118.125	11.8121
17	70,516.411	2,523,811.62	21,029.909	34.7904	72	18,071.248	222,714.55	13,704.296	11.3242
18	69,102.230	2,453,295.21	20,998.402	34.5024	73	17,281.744	204,643.30	13,269.131	10.8416
19	67,714.335	2,384,192.98	20,965.453	34.2096	74	16,487.381	187,361.56	12,813.625	10.3639
20	66,352.955	2,316,478.65	20,931.805	33.9115	75	15,690.576	170,874.18	12,340.102	9.8902
21	65,018.268	2,250,125.69	20,898.156	33.6076	76	14,893.369	155,183.60	11,850.553	9.4196
22	63,708.470	2,185,107.42	20,863.227	33.2985	77	14,096.797	140,290.23	11,346.008	8.9519
23	62,425.040	2,121,398.95	20,828.982	32.9831	78	13,299.062	126,193.44	10,824.681	8.4889
24	61,166.203	2,058,973.91	20,794.166	32.6620	79	12,496.856	112,894.37	10,283.241	8.0338
25	59,932.123	1,997,807.71	20,759.423	32.3345	80	11,688.383	100,397.52	9,719.804	7.5895
26	58,722.324	1,937,875.59	20,724.763	32.0007	81	10,874.234	88,709.14	9,134.839	7.1577
27	57,536.340	1,879,153.26	20,690.197	31.6603	82	10,057.553	77,834.90	8,531.378	6.7390
28	56,373.139	1,821,616.92	20,655.160	31.3136	83	9,242.625	67,777.35	7,913.657	6.3331
29	55,231.181	1,765,243.78	20,618.558	30.9610	84	8,434.565	58,534.72	7,286.825	5.9399
30	54,110.124	1,710,012.60	20,580.465	30.6025	85	7,638.106	50,100.16	6,655.750	5.5592
31	53,009.089	1,655,902.48	20,540.413	30.2381	86	6,855.979	42,462.05	6,023.389	5.1934
32	51,927.775	1,602,893.39	20,498.493	29.8677	87	6,091.230	35,606.07	5,393.071	4.8455
33	50,866.404	1,550,965.61	20,455.314	29.4910	88	5,352.084	29,514.85	4,773.362	4.5146
34	49,824.141	1,500,099.21	20,410.431	29.1079	89	4,646.791	24,162.76	4,173.012	4.1999
35	48,800.695	1,450,275.07	20,363.929	28.7183	90	3,982.075	19,515.97	3,599.409	3.9010
36	47,795.286	1,401,474.37	20,315.397	28.3224	91	3,360.609	15,533.89	3,056.023	3.6223
37	46,808.140	1,353,679.09	20,265.413	27.9197	92	2,786.729	12,173.29	2,548.037	3.3683
38	45,837.561	1,306,870.95	20,212.640	27.5109	93	2,268.943	9,386.56	2,084.893	3.1370
39	44,883.351	1,261,033.39	20,157.207	27.0958	94	1,814.384	7,117.61	1,674.823	2.9229
40	43,945.316	1,216,150.03	20,099.237	26.6742	95	1,424.326	5,303.23	1,320.341	2.7233
41	43,022.369	1,172,204.72	20,037.963	26.2464	96	1,096.522	3,878.90	1,020.465	2.5375
42	42,114.369	1,129,182.35	19,973.538	25.8123	97	826.229	2,782.38	771.673	2.3676
43	41,219.887	1,087,067.98	19,904.828	25.3724	98	609.344	1,956.15	570.988	2.2103
44	40,338.852	1,045,848.09	19,832.027	24.9266	99	439.833	1,346.81	413.425	2.0621
45	39,469.957	1,005,509.24	19,754.089	24.4753	100	310.656	906.98	292.872	1.9196
46	38,611.584	966,039.29	19,669.637	24.0194	101	214.307	596.32	202.614	1.7826
47	37,762.629	927,427.70	19,577.772	23.5594	102	144.104	382.01	136.614	1.6509
48	36,922.845	889,665.07	19,478.432	23.0952	103	94.236	237.91	89.571	1.5246
49	36,092.002	852,742.23	19,371.566	22.6269	104	59.779	143.67	56.962	1.4034
50	35,269.885	816,650.22	19,257.135	22.1543	105	36.680	83.89	35.035	1.2872
51	34,455.204	781,380.34	19,134.021	21.6782	106	21.700	47.21	20.774	1.1758
52	33,646.771	746,925.14	19,001.180	21.1990	107	12.331	25.51	11.831	1.0692
53	32,843.839	713,278.37	18,857.989	20.7173	108	6.702	13.18	6.444	0.9671
54	32,046.760	680,434.53	18,704.907	20.2326	109	3.467	6.48	3.340	0.8695

**Table 3.C. -- Actuarial Functions at 3.0 Percent Interest for 1989-91 United States
Total Females**

x	D_x	N_x	M_x	a_x	x	D_x	N_x	M_x	a_x
0	100,000.000	3,044,225.78	11,333.230	29.4423	55	18,275.932	334,504.35	8,533.086	17.3030
1	96,283.495	2,944,225.78	10,529.346	29.5787	56	17,643.138	316,228.42	8,432.602	16.9236
2	93,415.968	2,847,942.29	10,466.192	29.4867	57	17,023.356	298,585.28	8,326.697	16.5397
3	90,656.678	2,754,526.32	10,427.756	29.3842	58	16,415.706	281,561.92	8,214.874	16.1520
4	87,987.761	2,663,869.64	10,399.325	29.2755	59	15,818.698	265,146.22	8,095.993	15.7616
5	85,403.445	2,575,881.88	10,377.760	29.1613	60	15,232.187	249,327.52	7,970.220	15.3685
6	82,896.704	2,490,478.43	10,358.497	29.0432	61	14,656.205	234,095.33	7,837.894	14.9724
7	80,465.162	2,407,581.73	10,341.422	28.9208	62	14,091.094	219,439.13	7,699.663	14.5729
8	78,106.518	2,327,116.57	10,326.424	28.7941	63	13,536.373	205,348.03	7,555.362	14.1701
9	75,819.308	2,249,010.05	10,314.161	28.6628	64	12,991.455	191,811.66	7,404.707	13.7644
10	73,599.073	2,173,190.74	10,302.255	28.5274	65	12,456.108	178,820.21	7,247.752	13.3560
11	71,444.575	2,099,591.67	10,291.419	28.3877	66	11,930.406	166,364.10	7,084.850	12.9445
12	69,353.144	2,028,147.09	10,280.898	28.2438	67	11,414.272	154,433.69	6,916.203	12.5299
13	67,320.892	1,958,793.95	10,268.641	28.0964	68	10,907.364	143,019.42	6,741.750	12.1122
14	65,346.206	1,891,473.06	10,254.758	27.9454	69	10,408.724	132,112.06	6,560.800	11.6924
15	63,424.946	1,826,126.85	10,236.786	27.7919	70	9,917.121	121,703.33	6,372.364	11.2720
16	61,556.430	1,762,701.91	10,215.598	27.6355	71	9,431.715	111,786.21	6,175.806	10.8522
17	59,739.324	1,701,145.47	10,191.397	27.4761	72	8,952.005	102,354.50	5,970.806	10.4337
18	57,972.911	1,641,406.15	10,164.965	27.3133	73	8,477.791	93,402.49	5,757.330	10.0173
19	56,257.006	1,583,433.24	10,137.591	27.1464	74	8,009.580	84,924.70	5,536.045	9.6029
20	54,590.768	1,527,176.23	10,109.907	26.9750	75	7,548.487	76,915.12	5,308.241	9.1895
21	52,973.331	1,472,585.47	10,082.492	26.7986	76	7,095.401	69,366.63	5,075.013	8.7763
22	51,402.236	1,419,612.14	10,054.310	26.6177	77	6,650.700	62,271.23	4,836.975	8.3631
23	49,877.722	1,368,209.90	10,026.949	26.4313	78	6,213.423	55,620.53	4,593.407	7.9517
24	48,397.425	1,318,332.18	9,999.400	26.2397	79	5,781.940	49,407.11	4,342.898	7.5451
25	46,960.568	1,269,934.75	9,972.177	26.0426	80	5,355.379	43,625.17	4,084.743	7.1460
26	45,565.890	1,222,974.18	9,945.282	25.8397	81	4,933.980	38,269.79	3,819.326	6.7564
27	44,212.167	1,177,408.29	9,918.721	25.6309	82	4,519.121	33,335.81	3,548.175	6.3766
28	42,897.772	1,133,196.13	9,892.060	25.4162	83	4,112.633	28,816.69	3,273.312	6.0069
29	41,620.740	1,090,298.36	9,864.477	25.1960	84	3,716.638	24,704.06	2,997.102	5.6469
30	40,380.058	1,048,677.62	9,836.050	24.9702	85	3,333.007	20,987.42	2,721.723	5.2968
31	39,174.341	1,008,297.56	9,806.451	24.7387	86	2,962.667	17,654.41	2,448.461	4.9590
32	38,002.662	969,123.22	9,775.772	24.5015	87	2,606.642	14,691.74	2,178.727	4.6363
33	36,864.495	931,120.55	9,744.479	24.2579	88	2,268.100	12,085.10	1,916.107	4.3283
34	35,758.560	894,256.06	9,712.267	24.0082	89	1,950.094	9,817.00	1,664.162	4.0341
35	34,683.998	858,497.50	9,679.217	23.7520	90	1,654.911	7,866.91	1,425.778	3.7537
36	33,639.626	823,813.50	9,645.058	23.4894	91	1,383.077	6,212.00	1,202.145	3.4914
37	32,624.993	790,173.87	9,610.220	23.2199	92	1,135.758	4,828.92	995.110	3.2517
38	31,638.325	757,548.88	9,573.795	22.9440	93	915.752	3,693.16	808.184	3.0329
39	30,678.930	725,910.56	9,535.904	22.6615	94	725.181	2,777.41	644.285	2.8300
40	29,746.130	695,231.63	9,496.665	22.3722	95	563.754	2,052.23	503.980	2.6403
41	28,838.665	665,485.50	9,455.592	22.0762	96	429.794	1,488.48	386.440	2.4632
42	27,955.938	636,646.83	9,412.826	21.7732	97	320.705	1,058.68	289.870	2.3011
43	27,096.520	608,690.89	9,367.659	21.4638	98	234.224	737.98	212.729	2.1507
44	26,259.908	581,594.37	9,320.266	21.1476	99	167.425	503.75	152.752	2.0088
45	25,444.813	555,334.46	9,270.023	20.8251	100	117.105	336.33	107.309	1.8720
46	24,649.788	529,889.65	9,216.108	20.4967	101	80.001	219.23	73.615	1.7403
47	23,873.755	505,239.86	9,158.031	20.1630	102	53.272	139.22	49.217	1.6135
48	23,116.209	481,366.11	9,095.837	19.8237	103	34.498	85.95	31.995	1.4915
49	22,376.666	458,249.90	9,029.581	19.4789	104	21.672	51.45	20.173	1.3742
50	21,654.661	435,873.23	8,959.324	19.1284	105	13.169	29.78	12.301	1.2616
51	20,949.088	414,218.57	8,884.470	18.7726	106	7.715	16.61	7.231	1.1535
52	20,258.936	393,269.48	8,804.485	18.4121	107	4.341	8.90	4.082	1.0498
53	19,583.491	373,010.55	8,719.106	18.0472	108	2.337	4.56	2.204	0.9504
54	18,922.707	353,427.06	8,628.715	17.6774	109	1.197	2.22	1.132	0.8551

**Table 3.D. -- Actuarial Functions at 4.0 Percent Interest for 1989-91 United States
Total Females**

x	D_x	N_x	M_x	a_x	x	D_x	N_x	M_x	a_x
0	100,000.000	2,437,866.06	6,235.921	23.3787	55	10,742.200	175,189.34	4,004.148	15.3085
1	95,357.692	2,337,866.06	5,439.767	23.5168	56	10,270.543	164,447.14	3,945.653	15.0115
2	91,628.143	2,242,508.37	5,377.822	23.4740	57	9,814.465	154,176.60	3,884.596	14.7091
3	88,066.646	2,150,880.22	5,340.484	23.4233	58	9,373.136	144,362.13	3,820.746	14.4017
4	84,652.114	2,062,813.58	5,313.130	23.3681	59	8,945.404	134,989.00	3,753.520	14.0903
5	81,375.715	1,978,161.46	5,292.582	23.3090	60	8,530.911	126,043.59	3,683.080	13.7749
6	78,227.703	1,896,785.75	5,274.405	23.2470	61	8,129.401	117,512.68	3,609.682	13.4553
7	75,202.987	1,818,558.04	5,258.446	23.1820	62	7,740.796	109,383.28	3,533.747	13.1308
8	72,296.681	1,743,355.06	5,244.563	23.1139	63	7,364.565	101,642.49	3,455.238	12.8016
9	69,504.798	1,671,058.38	5,233.322	23.0423	64	7,000.135	94,277.92	3,374.062	12.4680
10	66,820.728	1,601,553.58	5,222.513	22.9679	65	6,647.141	87,277.79	3,290.303	12.1301
11	64,240.956	1,534,732.85	5,212.769	22.8903	66	6,305.386	80,630.64	3,204.207	11.7876
12	61,760.781	1,470,491.90	5,203.400	22.8095	67	5,974.596	74,325.26	3,115.932	11.4402
13	59,374.556	1,408,731.11	5,192.590	22.7262	68	5,654.367	68,350.66	3,025.496	11.0881
14	57,078.792	1,349,356.56	5,180.463	22.6402	69	5,343.989	62,696.30	2,932.593	10.7321
15	54,867.907	1,292,277.77	5,164.916	22.5525	70	5,042.636	57,352.31	2,836.778	10.3735
16	52,739.450	1,237,409.86	5,146.763	22.4627	71	4,749.704	52,309.67	2,737.794	10.0132
17	50,690.474	1,184,670.41	5,126.228	22.3707	72	4,464.780	47,559.97	2,635.551	9.6523
18	48,718.627	1,133,979.94	5,104.014	22.2761	73	4,187.611	43,095.19	2,530.104	9.2911
19	46,822.051	1,085,261.31	5,081.232	22.1784	74	3,918.296	38,907.57	2,421.851	8.9297
20	44,998.384	1,038,439.26	5,058.412	22.0773	75	3,657.222	34,989.28	2,311.480	8.5672
21	43,245.296	993,440.87	5,036.032	21.9722	76	3,404.648	31,332.06	2,199.569	8.2027
22	41,559.230	950,195.58	5,013.246	21.8636	77	3,160.578	27,927.41	2,086.447	7.8362
23	39,938.889	908,636.35	4,991.337	21.7507	78	2,924.381	24,766.83	1,971.811	7.4691
24	38,380.931	868,697.46	4,969.490	21.6336	79	2,695.135	21,842.45	1,855.041	7.1044
25	36,883.360	830,316.53	4,948.109	21.5120	80	2,472.299	19,147.31	1,735.864	6.7447
26	35,443.849	793,433.17	4,927.189	21.3856	81	2,255.860	16,675.02	1,614.513	6.3919
27	34,060.162	757,989.32	4,906.726	21.2544	82	2,046.315	14,419.16	1,491.733	6.0464
28	32,729.813	723,929.16	4,886.384	21.1183	83	1,844.346	12,372.84	1,368.468	5.7085
29	31,450.132	691,199.34	4,865.542	20.9776	84	1,650.732	10,528.49	1,245.790	5.3781
30	30,219.238	659,749.21	4,844.268	20.8321	85	1,466.110	8,877.76	1,124.657	5.0553
31	29,035.021	629,529.97	4,822.330	20.6817	86	1,290.675	7,411.65	1,005.612	4.7425
32	27,895.770	600,494.95	4,799.810	20.5264	87	1,124.655	6,120.98	889.233	4.4425
33	26,800.106	572,599.18	4,777.060	20.3656	88	969.179	4,996.32	777.013	4.1552
34	25,746.140	545,799.08	4,753.868	20.1993	89	825.280	4,027.14	670.390	3.8797
35	24,732.336	520,052.94	4,730.300	20.0272	90	693.624	3,201.86	570.476	3.6161
36	23,756.969	495,320.60	4,706.177	19.8495	91	574.116	2,508.24	477.645	3.3689
37	22,818.873	471,563.63	4,681.810	19.6655	92	466.921	1,934.12	392.532	3.1423
38	21,915.992	448,744.76	4,656.578	19.4757	93	372.854	1,467.20	316.423	2.9351
39	21,047.075	426,828.77	4,630.584	19.2797	94	292.423	1,094.35	250.333	2.7423
40	20,210.911	405,781.69	4,603.923	19.0774	95	225.143	801.92	194.300	2.5618
41	19,405.930	385,570.78	4,576.284	18.8687	96	169.994	576.78	147.810	2.3930
42	18,631.047	366,164.85	4,547.783	18.6535	97	125.627	406.79	109.981	2.2381
43	17,884.656	347,533.80	4,517.971	18.4320	98	90.868	281.16	80.054	2.0941
44	17,165.805	329,649.15	4,486.991	18.2038	99	64.329	190.29	57.010	1.9581
45	16,473.054	312,483.34	4,454.463	17.9694	100	44.562	125.96	39.717	1.8267
46	15,804.906	296,010.29	4,419.895	17.7290	101	30.150	81.40	27.019	1.6999
47	15,160.145	280,205.38	4,383.015	17.4830	102	19.884	51.25	17.912	1.5776
48	14,537.948	265,045.24	4,343.901	17.2313	103	12.753	31.37	11.546	1.4597
49	13,937.528	250,507.29	4,302.632	16.9736	104	7.934	18.62	7.218	1.3462
50	13,358.130	236,569.76	4,259.293	16.7098	105	4.775	10.68	4.364	1.2370
51	12,798.624	223,211.63	4,213.561	16.4403	106	2.770	5.91	2.543	1.1320
52	12,257.973	210,413.01	4,165.165	16.1654	107	1.544	3.14	1.423	1.0311
53	11,735.350	198,155.04	4,114.002	15.8853	108	0.823	1.59	0.762	0.9342
54	11,230.345	186,419.69	4,060.357	15.5996	109	0.418	0.77	0.388	0.8412

**Table 3.E. -- Actuarial Functions at 5.0 Percent Interest for 1989-91 United States
Total Females**

x	D_x	N_x	M_x	a_x	x	D_x	N_x	M_x	a_x
0	100,000.000	2,020,901.83	3,766.580	19.2090	55	6,346.225	93,053.14	1,915.122	13.6628
1	94,449.524	1,920,901.83	2,978.008	19.3379	56	6,009.795	86,706.92	1,880.894	13.4276
2	89,891.156	1,826,452.31	2,917.237	19.3185	57	5,688.227	80,697.12	1,845.507	13.1867
3	85,574.344	1,736,561.15	2,880.956	19.2930	58	5,380.706	75,008.90	1,808.854	12.9403
4	81,473.049	1,650,986.81	2,854.629	19.2642	59	5,086.258	69,628.19	1,770.629	12.6895
5	77,573.792	1,569,513.76	2,835.041	19.2325	60	4,804.385	64,541.93	1,730.960	12.4340
6	73,862.639	1,491,939.97	2,817.878	19.1988	61	4,534.663	59,737.55	1,690.018	12.1735
7	70,330.446	1,418,077.33	2,802.954	19.1631	62	4,276.772	55,202.89	1,648.063	11.9076
8	66,968.517	1,347,746.88	2,790.094	19.1251	63	4,030.154	50,926.11	1,605.101	11.6363
9	63,769.226	1,280,778.36	2,779.780	19.0846	64	3,794.242	46,895.96	1,561.101	11.3598
10	60,722.774	1,217,009.14	2,769.958	19.0421	65	3,568.597	43,101.72	1,516.134	11.0781
11	57,822.443	1,156,286.36	2,761.188	18.9972	66	3,352.882	39,533.12	1,470.353	10.7908
12	55,060.641	1,098,463.92	2,752.835	18.9501	67	3,146.728	36,180.24	1,423.860	10.4977
13	52,429.160	1,043,403.28	2,743.289	18.9012	68	2,949.706	33,033.51	1,376.682	10.1989
14	49,921.927	990,974.12	2,732.683	18.8505	69	2,761.241	30,083.80	1,328.679	9.8950
15	47,531.224	941,052.19	2,719.214	18.7986	70	2,580.717	27,322.56	1,279.643	9.5872
16	45,252.256	893,520.97	2,703.639	18.7453	71	2,407.650	24,741.85	1,229.467	9.2763
17	43,079.935	848,268.71	2,686.187	18.6906	72	2,241.666	22,334.20	1,178.133	8.9632
18	41,009.811	805,188.78	2,667.488	18.6341	73	2,082.482	20,092.53	1,125.695	8.6484
19	39,037.968	764,178.97	2,648.493	18.5753	74	1,929.995	18,010.05	1,072.374	8.3317
20	37,160.172	725,141.00	2,629.649	18.5139	75	1,784.244	16,080.05	1,018.528	8.0122
21	35,372.334	687,980.83	2,611.342	18.4497	76	1,645.202	14,295.81	964.449	7.6894
22	33,669.478	652,608.49	2,592.883	18.3828	77	1,512.717	12,650.60	910.307	7.3628
23	32,048.588	618,939.02	2,575.302	18.3125	78	1,386.338	11,137.89	855.962	7.0340
24	30,505.101	586,890.43	2,557.938	18.2391	79	1,265.493	9,751.55	801.133	6.7057
25	29,035.645	556,385.33	2,541.106	18.1621	80	1,149.805	8,486.06	745.707	6.3804
26	27,636.683	527,349.68	2,524.794	18.0815	81	1,039.153	7,336.25	689.807	6.0598
27	26,304.848	499,713.00	2,508.991	17.9970	82	933.650	6,297.10	633.788	5.7446
28	25,036.675	473,408.15	2,493.430	17.9086	83	833.485	5,363.45	578.083	5.4350
29	23,828.661	448,371.48	2,477.638	17.8165	84	738.884	4,529.96	523.171	5.1308
30	22,677.998	424,542.81	2,461.673	17.7205	85	649.995	3,791.08	469.467	4.8325
31	21,581.787	401,864.82	2,445.367	17.6206	86	566.767	3,141.09	417.191	4.5421
32	20,537.503	380,283.03	2,428.787	17.5165	87	489.160	2,574.32	366.573	4.2627
33	19,542.937	359,745.53	2,412.198	17.4080	88	417.522	2,085.16	318.229	3.9941
34	18,595.570	340,202.59	2,395.447	17.2948	89	352.144	1,667.64	272.733	3.7357
35	17,693.207	321,607.02	2,378.587	17.1769	90	293.149	1,315.49	230.506	3.4875
36	16,833.580	303,913.81	2,361.494	17.0540	91	240.330	1,022.34	191.647	3.2539
37	16,014.880	287,080.23	2,344.392	16.9258	92	193.595	782.01	156.357	3.0394
38	15,234.726	271,065.35	2,326.853	16.7926	93	153.121	588.42	125.101	2.8428
39	14,491.366	255,830.63	2,308.955	16.6540	94	118.946	435.30	98.218	2.6596
40	13,783.119	241,339.26	2,290.773	16.5098	95	90.707	316.35	75.643	2.4876
41	13,108.111	227,556.14	2,272.104	16.3599	96	67.836	225.64	57.091	2.3263
42	12,464.847	214,448.03	2,253.036	16.2042	97	49.654	157.81	42.139	2.1782
43	11,851.527	201,983.18	2,233.280	16.0428	98	35.574	108.15	30.423	2.0403
44	11,266.835	190,131.66	2,212.947	15.8753	99	24.944	72.58	21.488	1.9098
45	10,709.173	178,864.82	2,191.800	15.7020	100	17.115	47.64	14.846	1.7834
46	10,176.953	168,155.65	2,169.541	15.5232	101	11.469	30.52	10.016	1.6612
47	9,668.815	157,978.70	2,146.020	15.3390	102	7.492	19.05	6.585	1.5432
48	9,183.687	148,309.88	2,121.311	15.1493	103	4.759	11.56	4.209	1.4292
49	8,720.547	139,126.20	2,095.490	14.9538	104	2.933	6.80	2.609	1.3193
50	8,278.424	130,405.65	2,068.631	14.7525	105	1.748	3.87	1.564	1.2133
51	7,856.142	122,127.22	2,040.560	14.5454	106	1.005	2.12	0.904	1.1112
52	7,452.616	114,271.08	2,011.136	14.3330	107	0.555	1.12	0.501	1.0130
53	7,066.920	106,818.47	1,980.326	14.1153	108	0.293	0.56	0.266	0.9185
54	6,698.403	99,751.55	1,948.329	13.8918	109	0.147	0.27	0.134	0.8277

**Table 3.F. -- Actuarial Functions at 6.0 Percent Interest for 1989-91 United States
Total Females**

x	D_x	N_x	M_x	a_x	x	D_x	N_x	M_x	a_x
0	100,000.000	1,722,061.17	2,524.840	16.2206	55	3,767.943	50,080.97	933.171	12.2913
1	93,558.491	1,622,061.17	1,743.707	16.3374	56	3,534.532	46,313.03	913.040	12.1030
2	88,203.097	1,528,502.68	1,684.078	16.3294	57	3,313.849	42,778.50	892.424	11.9090
3	83,175.205	1,440,299.58	1,648.814	16.3165	58	3,105.120	39,464.65	871.272	11.7095
4	78,441.828	1,357,124.38	1,623.467	16.3010	59	2,907.508	36,359.53	849.422	11.5054
5	73,983.043	1,278,682.55	1,604.785	16.2835	60	2,720.469	33,452.02	826.959	11.2964
6	69,779.109	1,204,699.51	1,588.571	16.2645	61	2,543.516	30,731.55	803.994	11.0823
7	65,815.382	1,134,920.40	1,574.605	16.2440	62	2,376.233	28,188.04	780.684	10.8625
8	62,078.062	1,069,105.01	1,562.684	16.2219	63	2,218.084	25,811.80	757.038	10.6370
9	58,554.739	1,007,026.95	1,553.214	16.1980	64	2,068.544	23,593.72	733.051	10.4060
10	55,231.386	948,472.21	1,544.279	16.1727	65	1,927.173	21,525.18	708.767	10.1693
11	52,097.179	893,240.83	1,536.378	16.1457	66	1,793.597	19,598.00	684.276	9.9266
12	49,140.828	841,143.65	1,528.923	16.1170	67	1,667.436	17,804.41	659.640	9.6777
13	46,350.832	792,002.82	1,520.484	16.0871	68	1,548.290	16,136.97	634.876	9.4224
14	43,717.912	745,651.99	1,511.196	16.0560	69	1,435.692	14,588.68	609.918	9.1614
15	41,231.630	701,934.08	1,499.512	16.0242	70	1,329.171	13,152.99	584.662	8.8956
16	38,884.380	660,702.45	1,486.128	15.9915	71	1,228.336	11,823.82	559.063	8.6259
17	36,668.523	621,818.07	1,471.274	15.9578	72	1,132.865	10,595.48	533.121	8.3528
18	34,577.180	585,149.54	1,455.508	15.9230	73	1,042.490	9,462.62	506.870	8.0769
19	32,604.117	550,572.36	1,439.644	15.8866	74	957.041	8,420.13	480.430	7.7981
20	30,743.011	517,968.25	1,424.053	15.8483	75	876.419	7,463.08	453.980	7.5154
21	28,987.838	487,225.24	1,409.051	15.8079	76	800.498	6,586.67	427.668	7.2282
22	27,332.032	458,237.40	1,394.066	15.7656	77	729.092	5,786.17	401.573	6.9361
23	25,770.799	430,905.37	1,379.929	15.7207	78	661.876	5,057.08	375.627	6.6405
24	24,298.244	405,134.57	1,366.098	15.6734	79	598.482	4,395.20	349.697	6.3439
25	22,909.590	380,836.32	1,352.817	15.6234	80	538.640	3,796.72	323.732	6.0487
26	21,600.072	357,926.73	1,340.068	15.5706	81	482.211	3,258.08	297.792	5.7565
27	20,365.192	336,326.66	1,327.834	15.5148	82	429.166	2,775.87	272.042	5.4680
28	19,200.512	315,961.47	1,315.900	15.4559	83	379.510	2,346.70	246.678	5.1835
29	18,101.694	296,760.96	1,303.904	15.3941	84	333.261	1,967.19	221.911	4.9029
30	17,065.056	278,659.26	1,291.890	15.3292	85	290.403	1,633.93	197.917	4.6264
31	16,086.955	261,594.21	1,279.736	15.2613	86	250.830	1,343.53	174.782	4.3563
32	15,164.131	245,507.25	1,267.494	15.1900	87	214.442	1,092.70	152.591	4.0955
33	14,293.650	230,343.12	1,255.360	15.1151	88	181.310	878.25	131.598	3.8439
34	13,472.440	216,049.47	1,243.224	15.0364	89	151.477	696.94	112.027	3.6010
35	12,697.749	202,577.03	1,231.124	14.9538	90	124.910	545.47	94.034	3.3669
36	11,966.857	189,879.28	1,218.973	14.8671	91	101.438	420.56	77.633	3.1460
37	11,277.445	177,912.43	1,206.931	14.7760	92	80.941	319.12	62.878	2.9426
38	10,626.865	166,634.98	1,194.696	14.6805	93	63.415	238.18	49.934	2.7558
39	10,012.977	156,008.12	1,182.329	14.5806	94	48.797	174.76	38.905	2.5814
40	9,433.761	145,995.14	1,169.885	14.4758	95	36.861	125.97	29.731	2.4173
41	8,887.117	136,561.38	1,157.228	14.3662	96	27.307	89.10	22.263	2.2631
42	8,371.266	127,674.26	1,144.422	14.2515	97	19.799	61.80	16.301	2.1212
43	7,884.279	119,302.99	1,131.279	14.1318	98	14.051	42.00	11.674	1.9890
44	7,424.599	111,418.72	1,117.880	14.0067	99	9.759	27.95	8.178	1.8636
45	6,990.535	103,994.12	1,104.076	13.8764	100	6.633	18.19	5.604	1.7420
46	6,580.452	97,003.58	1,089.683	13.7412	101	4.403	11.55	3.749	1.6242
47	6,192.908	90,423.13	1,074.618	13.6011	102	2.849	7.15	2.444	1.5102
48	5,826.689	84,230.22	1,058.941	13.4559	103	1.793	4.30	1.549	1.3999
49	5,480.649	78,403.53	1,042.713	13.3055	104	1.094	2.51	0.952	1.2933
50	5,153.703	72,922.88	1,025.992	13.1496	105	0.646	1.42	0.566	1.1904
51	4,844.673	67,769.18	1,008.682	12.9884	106	0.368	0.77	0.324	1.0911
52	4,552.472	62,924.51	990.708	12.8221	107	0.201	0.40	0.178	0.9955
53	4,276.142	58,372.03	972.065	12.6506	108	0.105	0.20	0.094	0.9033
54	4,014.918	54,095.89	952.886	12.4737	109	0.052	0.10	0.047	0.8146

**Table 3.G. -- Actuarial Functions at 7.0 Percent Interest for 1989-91 United States
Total Females**

x	D_x	N_x	M_x	a_x	x	D_x	N_x	M_x	a_x
0	100,000.000	1,499,938.61	1,873.175	13.9994	55	2,248.118	27,287.23	462.972	11.1378
1	92,684.112	1,399,938.61	1,099.343	14.1044	56	2,089.146	25,039.11	451.074	10.9853
2	86,562.145	1,307,254.50	1,040.823	14.1019	57	1,940.402	22,949.96	439.002	10.8274
3	80,864.917	1,220,692.35	1,006.538	14.0955	58	1,801.190	21,009.56	426.733	10.6643
4	75,550.276	1,139,827.44	982.126	14.0870	59	1,670.799	19,208.37	414.176	10.4965
5	70,589.910	1,064,277.16	964.301	14.0769	60	1,548.706	17,537.57	401.388	10.3240
6	65,956.552	993,687.25	948.975	14.0658	61	1,434.438	15,988.87	388.437	10.1464
7	61,628.560	927,730.70	935.897	14.0536	62	1,327.573	14,554.43	375.414	9.9632
8	57,585.727	866,102.14	924.839	14.0402	63	1,227.636	13,226.86	362.327	9.7743
9	53,809.733	808,516.41	916.136	14.0255	64	1,134.171	11,999.22	349.175	9.5797
10	50,281.337	754,706.68	908.003	14.0097	65	1,046.782	10,865.05	335.985	9.3795
11	46,984.777	704,425.34	900.876	13.9926	66	965.123	9,818.27	322.807	9.1731
12	43,904.347	657,440.56	894.216	13.9744	67	888.851	8,853.14	309.674	8.9602
13	41,024.630	613,536.22	886.747	13.9553	68	817.625	7,964.29	296.597	8.7408
14	38,332.632	572,511.59	878.603	13.9354	69	751.078	7,146.67	283.539	8.5152
15	35,814.741	534,178.96	868.454	13.9151	70	688.854	6,395.59	270.450	8.2844
16	33,460.204	498,364.21	856.937	13.8942	71	630.646	5,706.74	257.308	8.0490
17	31,258.555	464,904.01	844.274	13.8729	72	576.194	5,076.09	244.113	7.8097
18	29,200.289	433,645.46	830.960	13.8507	73	525.272	4,499.90	230.886	7.5668
19	27,276.718	404,445.17	817.688	13.8275	74	477.711	3,974.62	217.688	7.3202
20	25,479.338	377,168.45	804.767	13.8029	75	433.380	3,496.91	204.609	7.0689
21	23,800.149	351,689.11	792.450	13.7768	76	392.138	3,063.53	191.720	6.8124
22	22,230.941	327,888.96	780.261	13.7492	77	353.820	2,671.40	179.056	6.5502
23	20,765.189	305,658.02	768.870	13.7197	78	318.200	2,317.58	166.583	6.2834
24	19,395.679	284,892.83	757.830	13.6885	79	285.033	1,999.38	154.233	6.0145
25	18,116.300	265,497.15	747.328	13.6552	80	254.136	1,714.34	141.983	5.7458
26	16,921.135	247,380.85	737.340	13.6196	81	225.386	1,460.21	129.858	5.4787
27	15,804.650	230,459.72	727.846	13.5818	82	198.718	1,234.82	117.935	5.2139
28	14,761.526	214,655.07	718.671	13.5415	83	174.083	1,036.10	106.300	4.9518
29	13,786.682	199,893.54	709.534	13.4990	84	151.440	862.02	95.046	4.6922
30	12,875.685	186,106.86	700.470	13.4541	85	130.731	710.58	84.245	4.4354
31	12,024.266	173,231.18	691.385	13.4068	86	111.861	579.85	73.927	4.1837
32	11,228.567	161,206.91	682.320	13.3569	87	94.740	467.99	64.123	3.9397
33	10,485.087	149,978.34	673.420	13.3040	88	79.353	373.25	54.935	3.7036
34	9,790.328	139,493.26	664.601	13.2481	89	65.677	293.90	46.450	3.4749
35	9,141.128	129,702.93	655.890	13.1889	90	53.652	228.22	38.722	3.2537
36	8,534.444	120,561.80	647.224	13.1265	91	43.163	174.57	31.743	3.0444
37	7,967.608	112,027.36	638.716	13.0603	92	34.120	131.40	25.523	2.8513
38	7,437.800	104,059.75	630.153	12.9907	93	26.482	97.28	20.117	2.6736
39	6,942.640	96,621.95	621.578	12.9172	94	20.187	70.80	15.555	2.5074
40	6,479.901	89,679.31	613.030	12.8396	95	15.107	50.62	11.795	2.3506
41	6,047.369	83,199.41	604.417	12.7580	96	11.086	35.51	8.763	2.2030
42	5,643.114	77,152.04	595.785	12.6719	97	7.963	24.42	6.365	2.0670
43	5,265.162	71,508.92	587.008	12.5815	98	5.598	16.46	4.522	1.9401
44	4,911.847	66,243.76	578.143	12.4865	99	3.852	10.86	3.142	1.8195
45	4,581.465	61,331.91	569.097	12.3870	100	2.594	7.01	2.135	1.7024
46	4,272.398	56,750.45	559.752	12.2830	101	1.706	4.42	1.417	1.5887
47	3,983.206	52,478.05	550.062	12.1748	102	1.093	2.71	0.916	1.4785
48	3,712.633	48,494.84	540.074	12.0621	103	0.682	1.62	0.576	1.3717
49	3,459.508	44,782.21	529.830	11.9447	104	0.412	0.93	0.351	1.2683
50	3,222.729	41,322.70	519.374	11.8223	105	0.241	0.52	0.207	1.1684
51	3,001.172	38,099.98	508.651	11.6950	106	0.136	0.28	0.118	1.0718
52	2,793.804	35,098.80	497.620	11.5631	107	0.074	0.15	0.064	0.9786
53	2,599.697	32,305.00	486.286	11.4264	108	0.038	0.07	0.033	0.8886
54	2,418.073	29,705.30	474.736	11.2847	109	0.019	0.03	0.017	0.8019

**Table 3.H. -- Actuarial Functions at 8.0 Percent Interest for 1989-91 United States
Total Females**

x	D_x	N_x	M_x	a_x	x	D_x	N_x	M_x	a_x
0	100,000.000	1,329,559.68	1,514.098	12.2956	55	1,347.784	15,039.90	233.717	10.1590
1	91,825.926	1,229,559.68	747.431	12.3901	56	1,240.881	13,692.12	226.650	10.0342
2	84,966.564	1,137,733.75	689.990	12.3904	57	1,141.860	12,451.24	219.546	9.9043
3	78,639.403	1,052,767.19	656.649	12.3873	58	1,050.124	11,309.38	212.393	9.7696
4	72,790.741	974,127.78	633.128	12.3826	59	965.085	10,259.25	205.140	9.6304
5	67,381.820	901,337.04	616.113	12.3766	60	886.279	9,294.17	197.822	9.4867
6	62,376.080	833,955.22	601.619	12.3698	61	813.286	8,407.89	190.479	9.3382
7	57,743.376	771,579.14	589.366	12.3622	62	745.727	7,594.60	183.164	9.1842
8	53,455.824	713,835.77	579.101	12.3538	63	683.205	6,848.88	175.880	9.0246
9	49,488.130	660,379.94	571.097	12.3442	64	625.345	6,165.67	168.629	8.8596
10	45,814.931	610,891.81	563.686	12.3339	65	571.818	5,540.33	161.423	8.6890
11	42,414.799	565,076.88	557.253	12.3226	66	522.329	4,968.51	154.291	8.5122
12	39,267.006	522,662.08	551.296	12.3105	67	476.596	4,446.18	147.250	8.3290
13	36,351.720	483,395.08	544.677	12.2977	68	434.346	3,969.58	140.303	8.1392
14	33,651.850	447,043.36	537.528	12.2844	69	395.300	3,535.24	133.431	7.9432
15	31,150.294	413,391.51	528.701	12.2709	70	359.193	3,139.94	126.605	7.7416
16	28,832.940	382,241.21	518.777	12.2571	71	325.797	2,780.74	119.816	7.5352
17	26,686.356	353,408.27	507.966	12.2430	72	294.910	2,454.95	113.062	7.3244
18	24,698.328	326,721.92	496.705	12.2285	73	266.358	2,160.04	106.355	7.1095
19	22,857.700	302,023.59	485.582	12.2132	74	239.997	1,893.68	99.725	6.8904
20	21,153.810	279,165.89	474.855	12.1970	75	215.710	1,653.68	93.215	6.6662
21	19,576.729	258,012.08	464.724	12.1795	76	193.375	1,437.97	86.859	6.4362
22	18,116.668	238,435.35	454.791	12.1611	77	172.864	1,244.60	80.672	6.1999
23	16,765.496	220,318.68	445.594	12.1412	78	154.022	1,071.73	74.634	5.9583
24	15,514.776	203,553.18	436.763	12.1200	79	136.690	917.71	68.712	5.7138
25	14,357.211	188,038.41	428.440	12.0971	80	120.745	781.02	62.891	5.4684
26	13,285.872	173,681.20	420.598	12.0726	81	106.093	660.28	57.184	5.2235
27	12,294.347	160,395.33	413.212	12.0463	82	92.674	554.18	51.624	4.9799
28	11,376.584	148,100.98	406.141	12.0181	83	80.434	461.51	46.248	4.7378
29	10,526.898	136,724.39	399.165	11.9881	84	69.324	381.08	41.096	4.4970
30	9,740.270	126,197.50	392.308	11.9563	85	59.290	311.75	36.197	4.2581
31	9,011.960	116,457.23	385.499	11.9225	86	50.262	252.46	31.561	4.0229
32	8,337.676	107,445.27	378.768	11.8867	87	42.175	202.20	27.197	3.7943
33	7,713.523	99,107.59	372.220	11.8486	88	34.998	160.02	23.145	3.5723
34	7,135.723	91,394.07	365.792	11.8080	89	28.698	125.03	19.437	3.3566
35	6,600.861	84,258.34	359.502	11.7648	90	23.227	96.33	16.091	3.1473
36	6,105.708	77,657.48	353.302	11.7188	91	18.513	73.10	13.098	2.9487
37	5,647.403	71,551.78	347.272	11.6699	92	14.499	54.59	10.455	2.7651
38	5,223.064	65,904.37	341.258	11.6180	93	11.149	40.09	8.179	2.5959
39	4,830.204	60,681.31	335.293	11.5629	94	8.420	28.94	6.276	2.4372
40	4,466.520	55,851.10	329.401	11.5044	95	6.243	20.52	4.723	2.2873
41	4,129.785	51,384.58	323.519	11.4424	96	4.539	14.28	3.481	2.1458
42	3,818.034	47,254.80	317.678	11.3767	97	3.230	9.74	2.509	2.0153
43	3,529.333	43,436.77	311.795	11.3074	98	2.250	6.51	1.768	1.8934
44	3,262.014	39,907.43	305.908	11.2340	99	1.534	4.26	1.218	1.7773
45	3,014.431	36,645.42	299.956	11.1567	100	1.023	2.73	0.821	1.6644
46	2,785.049	33,630.99	293.864	11.0755	101	0.667	1.70	0.540	1.5547
47	2,572.491	30,845.94	287.606	10.9907	102	0.423	1.04	0.347	1.4480
48	2,375.544	28,273.45	281.215	10.9019	103	0.261	0.61	0.216	1.3446
49	2,193.085	25,897.90	274.721	10.8089	104	0.157	0.35	0.131	1.2443
50	2,024.067	23,704.82	268.154	10.7115	105	0.091	0.19	0.076	1.1471
51	1,867.463	21,680.75	261.482	10.6097	106	0.051	0.10	0.043	1.0531
52	1,722.333	19,813.29	254.682	10.5038	107	0.027	0.05	0.023	0.9622
53	1,587.830	18,090.96	247.759	10.3935	108	0.014	0.03	0.012	0.8744
54	1,463.223	16,503.13	240.769	10.2786	109	0.007	0.01	0.006	0.7896

**Table 3.I. -- Actuarial Functions at 9.0 Percent Interest for 1989-91 United States
Total Females**

x	D_x	N_x	M_x	a_x	x	D_x	N_x	M_x	a_x
0	100,000.000	1,195,304.86	1,305.104	10.9530	55	811.838	8,379.37	119.964	9.3215
1	90,983.486	1,095,304.86	545.471	11.0385	56	740.588	7,567.53	115.746	9.2183
2	83,414.696	1,004,321.37	489.078	11.0401	57	675.238	6,826.95	111.545	9.1104
3	76,494.812	920,906.67	456.646	11.0388	58	615.293	6,151.71	107.353	8.9980
4	70,156.057	844,411.86	433.977	11.0362	59	560.278	5,536.42	103.143	8.8815
5	64,347.107	774,255.80	417.728	11.0325	60	509.807	4,976.14	98.933	8.7608
6	59,020.329	709,908.70	404.014	11.0282	61	463.528	4,466.33	94.748	8.6355
7	54,135.603	650,888.37	392.527	11.0233	62	421.124	4,002.80	90.617	8.5050
8	49,656.155	596,752.77	382.991	11.0177	63	382.277	3,581.68	86.542	8.3693
9	45,548.739	547,096.61	375.624	11.0112	64	346.692	3,199.40	82.522	8.2284
10	41,781.075	501,547.87	368.866	11.0042	65	314.108	2,852.71	78.564	8.0819
11	38,325.449	459,766.80	363.053	10.9964	66	284.291	2,538.60	74.682	7.9296
12	35,155.629	421,441.35	357.720	10.9879	67	257.020	2,254.31	70.884	7.7710
13	32,247.000	386,285.72	351.849	10.9790	68	232.086	1,997.29	67.172	7.6058
14	29,578.119	354,038.72	345.564	10.9696	69	209.285	1,765.20	63.534	7.4345
15	27,128.202	324,460.60	337.877	10.9603	70	188.424	1,555.92	59.954	7.2575
16	24,879.695	297,332.40	329.314	10.9508	71	169.337	1,367.49	56.425	7.0756
17	22,816.165	272,452.70	320.071	10.9412	72	151.877	1,198.16	52.947	6.8890
18	20,922.722	249,636.54	310.531	10.9314	73	135.914	1,046.28	49.524	6.6981
19	19,185.822	228,713.81	301.196	10.9210	74	121.340	910.37	46.172	6.5026
20	17,592.750	209,527.99	292.274	10.9099	75	108.060	789.03	42.911	6.3017
21	16,131.789	191,935.24	283.925	10.8980	76	95.983	680.97	39.756	6.0947
22	14,791.697	175,803.45	275.816	10.8853	77	85.015	584.98	36.713	5.8810
23	13,562.924	161,011.76	268.375	10.8715	78	75.053	499.97	33.771	5.6616
24	12,435.971	147,448.83	261.297	10.8566	79	65.997	424.92	30.912	5.4385
25	11,402.537	135,012.86	254.687	10.8406	80	57.763	358.92	28.127	5.2137
26	10,454.873	123,610.32	248.516	10.8232	81	50.288	301.16	25.422	4.9886
27	9,585.868	113,155.45	242.757	10.8044	82	43.524	250.87	22.811	4.7638
28	8,788.911	103,569.58	237.294	10.7841	83	37.429	207.34	20.309	4.5396
29	8,057.881	94,780.67	231.954	10.7625	84	31.963	169.91	17.934	4.3159
30	7,387.351	86,722.79	226.754	10.7394	85	27.086	137.95	15.696	4.0931
31	6,772.269	79,335.44	221.637	10.7147	86	22.751	110.87	13.597	3.8729
32	6,208.080	72,563.17	216.625	10.6885	87	18.915	88.11	11.640	3.6583
33	5,690.655	66,355.09	211.795	10.6604	88	15.553	69.20	9.839	3.4493
34	5,216.086	60,664.43	207.096	10.6303	89	12.636	53.65	8.207	3.2455
35	4,780.844	55,448.35	202.540	10.5980	90	10.133	41.01	6.747	3.0471
36	4,381.646	50,667.50	198.091	10.5636	91	8.002	30.88	5.453	2.8584
37	4,015.571	46,285.86	193.803	10.5266	92	6.210	22.87	4.321	2.6836
38	3,679.774	42,270.29	189.566	10.4872	93	4.731	16.66	3.355	2.5223
39	3,371.775	38,590.51	185.402	10.4452	94	3.540	11.93	2.555	2.3706
40	3,089.296	35,218.74	181.327	10.4002	95	2.601	8.39	1.908	2.2271
41	2,830.186	32,129.44	177.296	10.3524	96	1.874	5.79	1.395	2.0914
42	2,592.535	29,299.26	173.330	10.3014	97	1.321	3.92	0.998	1.9660
43	2,374.514	26,706.72	169.372	10.2472	98	0.912	2.60	0.697	1.8487
44	2,174.529	24,332.21	165.448	10.1896	99	0.616	1.69	0.477	1.7370
45	1,991.049	22,157.68	161.516	10.1286	100	0.407	1.07	0.319	1.6281
46	1,822.664	20,166.63	157.529	10.0644	101	0.263	0.66	0.208	1.5220
47	1,668.111	18,343.97	153.471	9.9969	102	0.165	0.40	0.132	1.4188
48	1,526.270	16,675.85	149.365	9.9259	103	0.101	0.23	0.082	1.3185
49	1,396.114	15,149.58	145.231	9.8512	104	0.060	0.13	0.049	1.2211
50	1,276.697	13,753.47	141.089	9.7727	105	0.034	0.07	0.028	1.1266
51	1,167.111	12,476.77	136.919	9.6903	106	0.019	0.04	0.016	1.0350
52	1,066.533	11,309.66	132.708	9.6041	107	0.010	0.02	0.009	0.9463
53	974.224	10,243.13	128.461	9.5141	108	0.005	0.01	0.004	0.8606
54	889.534	9,268.91	124.211	9.4200	109	0.002	0.00	0.002	0.7777

**Table 3.J. -- Actuarial Functions at 10.0 Percent Interest for 1989-91 United States
Total Females**

x	D_x	N_x	M_x	a_x	x	D_x	N_x	M_x	a_x
0	100,000.000	1,087,064.09	1,175.992	9.8706	55	491.280	4,715.93	62.559	8.5993
1	90,156.364	987,064.09	423.265	9.9484	56	444.089	4,224.65	60.030	8.5131
2	81,904.959	896,907.73	367.893	9.9506	57	401.221	3,780.56	57.534	8.4226
3	74,427.498	815,002.77	336.337	9.9503	58	362.279	3,379.34	55.066	8.3280
4	67,639.505	740,575.27	314.481	9.9489	59	326.888	3,017.06	52.609	8.2297
5	61,474.937	672,935.76	298.958	9.9465	60	294.737	2,690.18	50.175	8.1274
6	55,873.323	611,460.83	285.975	9.9437	61	265.545	2,395.44	47.778	8.0208
7	50,783.154	555,587.50	275.199	9.9404	62	239.060	2,129.89	45.433	7.9095
8	46,157.640	504,804.35	266.335	9.9365	63	215.035	1,890.84	43.140	7.7932
9	41,954.705	458,646.71	259.550	9.9319	64	193.245	1,675.80	40.900	7.6719
10	38,134.472	416,692.01	253.381	9.9269	65	173.491	1,482.56	38.713	7.5454
11	34,662.445	378,557.53	248.123	9.9213	66	155.595	1,309.06	36.589	7.4133
12	31,506.534	343,895.09	243.344	9.9150	67	139.390	1,153.47	34.529	7.2751
13	28,637.090	312,388.55	238.130	9.9085	68	124.724	1,014.08	32.535	7.1306
14	26,028.188	283,751.47	232.600	9.9017	69	111.448	889.36	30.597	6.9800
15	23,655.286	257,723.28	225.897	9.8950	70	99.427	777.91	28.708	6.8239
16	21,497.406	234,067.99	218.498	9.8882	71	88.543	678.48	26.863	6.6628
17	19,535.183	212,570.59	210.584	9.8814	72	78.691	589.94	25.061	6.4969
18	17,751.163	193,035.40	202.490	9.8745	73	69.781	511.25	23.303	6.3265
19	16,129.573	175,284.24	194.642	9.8673	74	61.731	441.47	21.598	6.1514
20	14,655.816	159,154.67	187.210	9.8595	75	54.475	379.74	19.954	5.9708
21	13,316.577	144,498.85	180.318	9.8511	76	47.947	325.26	18.378	5.7837
22	12,099.346	131,182.27	173.684	9.8421	77	42.082	277.31	16.872	5.5898
23	10,993.374	119,082.93	167.654	9.8322	78	36.813	235.23	15.429	5.3898
24	9,988.291	108,089.55	161.968	9.8216	79	32.077	198.42	14.039	5.1857
25	9,075.004	98,101.26	156.707	9.8101	80	27.820	166.34	12.698	4.9792
26	8,245.137	89,026.26	151.841	9.7974	81	24.000	138.52	11.407	4.7718
27	7,491.079	80,781.12	147.341	9.7836	82	20.583	114.52	10.172	4.5639
28	6,805.842	73,290.04	143.111	9.7687	83	17.539	93.94	9.000	4.3558
29	6,183.031	66,484.20	139.013	9.7527	84	14.842	76.40	7.897	4.1475
30	5,616.983	60,301.17	135.059	9.7355	85	12.463	61.56	6.867	3.9392
31	5,102.493	54,684.19	131.203	9.7172	86	10.373	49.09	5.910	3.7328
32	4,634.888	49,581.69	127.462	9.6975	87	8.546	38.72	5.026	3.5309
33	4,209.961	44,946.80	123.888	9.6763	88	6.963	30.17	4.220	3.3338
34	3,823.793	40,736.84	120.444	9.6535	89	5.606	23.21	3.495	3.1409
35	3,472.866	36,913.05	117.134	9.6290	90	4.454	17.61	2.854	2.9527
36	3,153.948	33,440.18	113.932	9.6026	91	3.486	13.15	2.290	2.7731
37	2,864.167	30,286.24	110.873	9.5742	92	2.680	9.67	1.802	2.6065
38	2,600.794	27,422.07	107.879	9.5437	93	2.024	6.99	1.388	2.4524
39	2,361.442	24,821.27	104.962	9.5111	94	1.500	4.96	1.049	2.3074
40	2,143.937	22,459.83	102.134	9.4760	95	1.092	3.46	0.778	2.1698
41	1,946.262	20,315.90	99.362	9.4384	96	0.780	2.37	0.564	2.0395
42	1,766.626	18,369.63	96.660	9.3981	97	0.545	1.59	0.400	1.9190
43	1,603.351	16,603.01	93.987	9.3552	98	0.373	1.05	0.278	1.8061
44	1,454.966	14,999.66	91.361	9.3093	99	0.249	0.67	0.188	1.6984
45	1,320.090	13,544.69	88.755	9.2604	100	0.163	0.42	0.125	1.5932
46	1,197.463	12,224.60	86.136	9.2088	101	0.104	0.26	0.081	1.4906
47	1,085.961	11,027.14	83.494	9.1543	102	0.065	0.16	0.051	1.3906
48	984.588	9,941.18	80.845	9.0968	103	0.039	0.09	0.031	1.2933
49	892.438	8,956.59	78.202	9.0361	104	0.023	0.05	0.019	1.1987
50	808.683	8,064.15	75.579	8.9720	105	0.013	0.03	0.011	1.1067
51	732.549	7,255.47	72.961	8.9044	106	0.007	0.01	0.006	1.0175
52	663.335	6,522.92	70.342	8.8335	107	0.004	0.01	0.003	0.9310
53	600.414	5,859.58	67.724	8.7592	108	0.002	0.00	0.002	0.8472
54	543.236	5,259.17	65.130	8.6812	109	0.001	0.00	0.001	0.7661

**Table 3.K. -- Actuarial Functions at 11.0 Percent Interest for 1989-91 United States
Total Females**

x	D_x	N_x	M_x	a_x	x	D_x	N_x	M_x	a_x
0	100,000.000	998,080.41	1,091.131	8.9808	55	298.650	2,679.47	33.117	7.9719
1	89,344.144	898,080.41	345.185	9.0519	56	267.531	2,380.82	31.594	7.8992
2	80,435.841	808,736.26	290.806	9.0544	57	239.528	2,113.29	30.103	7.8227
3	72,434.012	728,300.42	260.096	9.0547	58	214.331	1,873.76	28.643	7.7424
4	65,234.787	655,866.41	239.017	9.0539	59	191.651	1,659.43	27.203	7.6586
5	58,755.242	590,631.62	224.181	9.0524	60	171.245	1,467.78	25.789	7.5712
6	52,920.354	531,876.38	211.884	9.0505	61	152.894	1,296.53	24.409	7.4800
7	47,665.880	478,956.03	201.769	9.0482	62	136.404	1,143.64	23.071	7.3842
8	42,933.989	431,290.15	193.524	9.0454	63	121.591	1,007.24	21.774	7.2838
9	38,673.015	388,356.16	187.270	9.0420	64	108.285	885.64	20.519	7.1788
10	34,834.919	349,683.14	181.635	9.0383	65	96.340	777.36	19.305	7.0689
11	31,378.051	314,848.22	176.875	9.0340	66	85.624	681.02	18.136	6.9536
12	28,264.226	283,470.17	172.588	9.0293	67	76.016	595.40	17.012	6.8325
13	25,458.632	255,205.95	167.953	9.0243	68	67.404	519.38	15.934	6.7054
14	22,930.832	229,747.31	163.081	9.0191	69	59.687	451.98	14.897	6.5724
15	20,652.556	206,816.48	157.229	9.0141	70	52.769	392.29	13.894	6.4340
16	18,599.504	186,163.93	150.827	9.0091	71	46.570	339.52	12.924	6.2906
17	16,749.525	167,564.42	144.041	9.0041	72	41.015	292.95	11.984	6.1424
18	15,082.785	150,814.90	137.164	8.9991	73	36.043	251.93	11.077	5.9898
19	13,581.486	135,732.11	130.556	8.9939	74	31.598	215.89	10.204	5.8323
20	12,229.371	122,150.63	124.354	8.9883	75	27.633	184.29	9.370	5.6693
21	11,011.753	109,921.26	118.655	8.9822	76	24.102	156.66	8.578	5.4997
22	9,915.062	98,909.50	113.219	8.9757	77	20.964	132.56	7.827	5.3232
23	8,927.591	88,994.44	108.322	8.9685	78	18.174	111.59	7.115	5.1404
24	8,038.299	80,066.85	103.746	8.9607	79	15.693	93.42	6.435	4.9531
25	7,237.515	72,028.55	99.551	8.9521	80	13.487	77.73	5.785	4.7629
26	6,516.438	64,791.04	95.704	8.9427	81	11.531	64.24	5.165	4.5712
27	5,867.140	58,274.60	92.180	8.9324	82	9.800	52.71	4.577	4.3785
28	5,282.428	52,407.46	88.897	8.9211	83	8.276	42.91	4.023	4.1850
29	4,755.793	47,125.03	85.745	8.9090	84	6.940	34.63	3.508	3.9905
30	4,281.484	42,369.24	82.731	8.8959	85	5.775	27.69	3.031	3.7955
31	3,854.281	38,087.75	79.819	8.8819	86	4.763	21.92	2.591	3.6016
32	3,469.524	34,233.47	77.018	8.8669	87	3.889	17.16	2.189	3.4114
33	3,123.046	30,763.95	74.367	8.8506	88	3.140	13.27	1.825	3.2251
34	2,811.023	27,640.90	71.834	8.8330	89	2.505	10.13	1.502	3.0424
35	2,530.042	24,829.88	69.423	8.8140	90	1.973	7.62	1.217	2.8635
36	2,277.005	22,299.84	67.111	8.7935	91	1.530	5.65	0.970	2.6925
37	2,049.168	20,022.83	64.923	8.7712	92	1.166	4.12	0.758	2.5334
38	1,843.974	17,973.66	62.800	8.7472	93	0.872	2.95	0.580	2.3861
39	1,659.189	16,129.69	60.751	8.7214	94	0.641	2.08	0.435	2.2472
40	1,492.795	14,470.50	58.782	8.6936	95	0.462	1.44	0.320	2.1152
41	1,342.948	12,977.71	56.869	8.6636	96	0.327	0.98	0.230	1.9900
42	1,208.015	11,634.76	55.021	8.6313	97	0.226	0.65	0.162	1.8740
43	1,086.491	10,426.74	53.210	8.5967	98	0.153	0.42	0.111	1.7652
44	977.057	9,340.25	51.447	8.5596	99	0.102	0.27	0.075	1.6613
45	878.497	8,363.19	49.712	8.5199	100	0.066	0.17	0.049	1.5597
46	789.712	7,484.70	47.985	8.4778	101	0.042	0.10	0.032	1.4604
47	709.725	6,694.99	46.258	8.4332	102	0.026	0.06	0.020	1.3635
48	637.677	5,985.26	44.543	8.3860	103	0.016	0.04	0.012	1.2690
49	572.787	5,347.58	42.847	8.3361	104	0.009	0.02	0.007	1.1771
50	514.356	4,774.80	41.178	8.2831	105	0.005	0.01	0.004	1.0875
51	461.734	4,260.44	39.528	8.2270	106	0.003	0.01	0.002	1.0006
52	414.341	3,798.71	37.892	8.1681	107	0.001	0.00	0.001	0.9161
53	371.659	3,384.37	36.272	8.1061	108	0.001	0.00	0.001	0.8342
54	333.236	3,012.71	34.680	8.0407	109	0.000	0.00	0.000	0.7548

**Table 3.L. -- Actuarial Functions at 12.0 Percent Interest for 1989-91 United States
Total Females**

x	D_x	N_x	M_x	a_x	x	D_x	N_x	M_x	a_x
0	100,000.000	923,702.74	1,031.849	8.2370	55	182.363	1,536.08	17.782	7.4232
1	88,546.429	823,702.74	292.563	8.3025	56	161.902	1,353.72	16.860	7.3614
2	79,005.899	735,156.31	239.151	8.3051	57	143.661	1,191.82	15.966	7.2960
3	70,511.087	656,150.41	209.257	8.3056	58	127.401	1,048.16	15.098	7.2272
4	62,935.991	585,639.33	188.920	8.3053	59	112.903	920.76	14.250	7.1553
5	56,178.663	522,703.34	174.734	8.3043	60	99.980	807.85	13.424	7.0801
6	50,147.868	466,524.67	163.082	8.3030	61	88.469	707.87	12.626	7.0013
7	44,765.383	416,376.81	153.582	8.3013	62	78.223	619.40	11.858	6.9184
8	39,961.418	371,611.42	145.909	8.2993	63	69.105	541.18	11.122	6.8312
9	35,674.068	331,650.00	140.139	8.2967	64	60.994	472.08	10.414	6.7397
10	31,846.695	295,975.94	134.987	8.2938	65	53.781	411.08	9.737	6.6436
11	28,430.237	264,129.24	130.675	8.2904	66	47.372	357.30	9.090	6.5424
12	25,380.290	235,699.00	126.825	8.2867	67	41.681	309.93	8.474	6.4358
13	22,656.848	210,318.71	122.700	8.2828	68	36.629	268.25	7.888	6.3234
14	20,225.032	187,661.87	118.403	8.2787	69	32.146	231.62	7.329	6.2053
15	18,052.948	167,436.84	113.287	8.2748	70	28.166	199.47	6.794	6.0820
16	16,113.158	149,383.89	107.741	8.2709	71	24.635	171.31	6.281	5.9538
17	14,380.922	133,270.73	101.916	8.2672	72	21.503	146.67	5.788	5.8209
18	12,834.257	118,889.81	96.064	8.2635	73	18.728	125.17	5.317	5.6836
19	11,453.585	106,055.55	90.491	8.2596	74	16.272	106.44	4.867	5.5415
20	10,221.232	94,601.96	85.307	8.2554	75	14.103	90.17	4.442	5.3938
21	9,121.379	84,380.73	80.587	8.2509	76	12.191	76.07	4.041	5.2396
22	8,139.626	75,259.35	76.124	8.2460	77	10.509	63.88	3.665	5.0784
23	7,263.539	67,119.73	72.139	8.2406	78	9.029	53.37	3.311	4.9108
24	6,481.613	59,856.19	68.450	8.2348	79	7.727	44.34	2.976	4.7384
25	5,783.802	53,374.58	65.097	8.2283	80	6.582	36.61	2.659	4.5629
26	5,161.062	47,590.77	62.051	8.2211	81	5.576	30.03	2.359	4.3853
27	4,605.325	42,429.71	59.284	8.2132	82	4.697	24.45	2.077	4.2062
28	4,109.343	37,824.39	56.730	8.2045	83	3.931	19.76	1.814	4.0258
29	3,666.626	33,715.04	54.300	8.1951	84	3.267	15.83	1.571	3.8440
30	3,271.470	30,048.42	51.997	8.1850	85	2.694	12.56	1.349	3.6610
31	2,918.750	26,776.95	49.792	8.1741	86	2.203	9.86	1.146	3.4785
32	2,603.925	23,858.20	47.690	8.1624	87	1.782	7.66	0.961	3.2991
33	2,322.961	21,254.27	45.718	8.1496	88	1.426	5.88	0.796	3.1228
34	2,072.206	18,931.31	43.851	8.1358	89	1.128	4.45	0.650	2.9495
35	1,848.422	16,859.10	42.090	8.1208	90	0.880	3.33	0.524	2.7792
36	1,648.703	15,010.68	40.416	8.1045	91	0.676	2.45	0.414	2.6161
37	1,470.486	13,361.98	38.845	8.0868	92	0.511	1.77	0.321	2.4641
38	1,311.424	11,891.49	37.336	8.0676	93	0.379	1.26	0.244	2.3231
39	1,169.470	10,580.07	35.891	8.0469	94	0.276	0.88	0.182	2.1900
40	1,042.794	9,410.60	34.516	8.0244	95	0.197	0.60	0.132	2.0632
41	929.742	8,367.80	33.192	8.0001	96	0.138	0.41	0.095	1.9427
42	828.859	7,438.06	31.924	7.9739	97	0.095	0.27	0.066	1.8310
43	738.821	6,609.20	30.692	7.9456	98	0.064	0.17	0.045	1.7261
44	658.473	5,870.38	29.504	7.9151	99	0.042	0.11	0.030	1.6258
45	586.764	5,211.91	28.345	7.8825	100	0.027	0.07	0.020	1.5275
46	522.753	4,625.15	27.202	7.8477	101	0.017	0.04	0.013	1.4314
47	465.611	4,102.39	26.069	7.8108	102	0.010	0.02	0.008	1.3374
48	414.609	3,636.78	24.953	7.7716	103	0.006	0.01	0.005	1.2457
49	369.093	3,222.17	23.861	7.7300	104	0.004	0.01	0.003	1.1562
50	328.482	2,853.08	22.795	7.6857	105	0.002	0.00	0.002	1.0690
51	292.243	2,524.60	21.751	7.6387	106	0.001	0.00	0.001	0.9842
52	259.905	2,232.35	20.724	7.5891	107	0.001	0.00	0.000	0.9017
53	231.051	1,972.45	19.717	7.5369	108	0.000	0.00	0.000	0.8216
54	205.315	1,741.40	18.736	7.4816	109	0.000	0.00	0.000	0.7439

**Table 4.A. -- Actuarial Functions at 1.0 Percent Interest for 1989-91 United States
Total White Population**

x	D_x	N_x	M_x	a_x	x	D_x	N_x	M_x	a_x
0	100,000.000	5,314,867.67	47,377.548	52.1487	55	52,549.441	1,168,508.36	40,980.051	21.2364
1	98,250.495	5,214,867.67	46,618.142	52.0773	56	51,658.548	1,115,958.92	40,609.450	20.6026
2	97,216.940	5,116,617.18	46,557.363	51.6309	57	50,747.818	1,064,300.37	40,210.191	19.9723
3	96,212.660	5,019,400.24	46,515.628	51.1699	58	49,813.561	1,013,552.55	39,778.387	19.3469
4	95,228.347	4,923,187.58	46,483.916	50.6988	59	48,850.576	963,738.99	39,308.606	18.7283
5	94,259.803	4,827,959.23	46,458.226	50.2197	60	47,857.741	914,888.41	38,799.440	18.1168
6	93,303.928	4,733,699.43	46,435.617	49.7342	61	46,836.722	867,030.67	38,252.260	17.5118
7	92,359.607	4,640,395.50	46,415.097	49.2427	62	45,789.681	820,193.95	37,668.949	16.9122
8	91,425.763	4,548,035.89	46,395.704	48.7457	63	44,716.041	774,404.27	37,048.672	16.3183
9	90,503.184	4,456,610.13	46,378.332	48.2426	64	43,615.267	729,688.23	36,390.632	15.7301
10	89,592.629	4,366,106.95	46,363.847	47.7329	65	42,486.867	686,072.96	35,694.065	15.1479
11	88,692.128	4,276,514.32	46,350.402	47.2175	66	41,331.422	643,586.09	34,959.282	14.5714
12	87,799.789	4,187,822.19	46,336.203	46.6974	67	40,151.052	602,254.67	34,188.134	13.9997
13	86,912.911	4,100,022.40	46,318.630	46.1739	68	38,944.253	562,103.62	33,378.871	13.4335
14	86,027.158	4,013,109.49	46,293.401	45.6493	69	37,705.073	523,159.37	32,525.278	12.8750
15	85,138.366	3,927,082.33	46,256.363	45.1259	70	36,429.806	485,454.29	31,623.328	12.3257
16	84,245.948	3,841,943.97	46,206.899	44.6039	71	35,113.929	449,024.49	30,668.142	11.7876
17	83,351.879	3,757,698.02	46,146.948	44.0823	72	33,758.010	413,910.56	29,659.886	11.2611
18	82,458.896	3,674,346.14	46,079.231	43.5597	73	32,363.107	380,152.55	28,599.221	10.7465
19	81,569.630	3,591,887.24	46,006.390	43.0346	74	30,934.095	347,789.44	27,490.635	10.2429
20	80,688.251	3,510,317.61	45,932.631	42.5047	75	29,479.001	316,855.35	26,341.819	9.7485
21	79,814.706	3,429,629.36	45,857.979	41.9699	76	28,003.214	287,376.34	25,157.904	9.2623
22	78,948.138	3,349,814.66	45,781.657	41.4306	77	26,509.142	259,373.13	23,941.091	8.7843
23	78,088.520	3,270,866.52	45,703.703	40.8866	78	24,997.732	232,863.99	22,692.148	8.3154
24	77,238.185	3,192,778.00	45,626.522	40.3368	79	23,467.178	207,866.26	21,409.096	7.8577
25	76,395.474	3,115,539.81	45,548.545	39.7817	80	21,916.663	184,399.08	20,090.929	7.4136
26	75,561.878	3,039,144.34	45,471.340	39.2206	81	20,348.099	162,482.42	18,739.362	6.9851
27	74,737.300	2,963,582.46	45,394.900	38.6533	82	18,769.089	142,134.32	17,361.818	6.5728
28	73,919.373	2,888,845.16	45,316.946	38.0810	83	17,191.329	123,365.23	15,969.891	6.1760
29	73,108.068	2,814,925.79	45,237.516	37.5036	84	15,630.400	106,173.90	14,579.174	5.7928
30	72,301.130	2,741,817.72	45,154.420	36.9222	85	14,099.983	90,543.50	13,203.513	5.4215
31	71,499.332	2,669,516.59	45,068.475	36.3362	86	12,604.289	76,443.52	11,847.423	5.0649
32	70,701.959	2,598,017.26	44,979.016	35.7460	87	11,149.033	63,839.23	10,516.961	4.7260
33	69,909.767	2,527,315.30	44,886.843	35.1511	88	9,748.436	52,690.19	9,226.751	4.4050
34	69,122.052	2,457,405.53	44,791.305	34.5517	89	8,419.854	42,941.76	7,994.688	4.1001
35	68,339.554	2,388,283.48	44,693.183	33.9473	90	7,175.842	34,521.90	6,834.040	3.8109
36	67,560.182	2,319,943.92	44,590.441	33.3389	91	6,023.163	27,346.06	5,752.410	3.5401
37	66,785.393	2,252,383.74	44,484.564	32.7257	92	4,967.472	21,322.90	4,756.354	3.2925
38	66,013.157	2,185,598.35	44,373.569	32.1085	93	4,021.676	16,355.43	3,859.741	3.0668
39	65,244.238	2,119,585.19	44,258.246	31.4869	94	3,196.553	12,333.75	3,074.437	2.8585
40	64,478.701	2,054,340.95	44,138.692	30.8608	95	2,493.066	9,137.20	2,402.599	2.6650
41	63,715.278	1,989,862.25	44,013.671	30.2305	96	1,906.579	6,644.13	1,840.795	2.4848
42	62,953.408	1,926,146.97	43,882.646	29.5964	97	1,426.838	4,737.55	1,379.932	2.3203
43	62,192.556	1,863,193.57	43,745.095	28.9585	98	1,045.279	3,310.71	1,012.500	2.1673
44	61,430.918	1,801,001.01	43,599.224	28.3175	99	749.931	2,265.44	727.501	2.0209
45	60,666.761	1,739,570.09	43,443.295	27.6742	100	526.177	1,515.50	511.172	1.8802
46	59,897.162	1,678,903.33	43,274.357	27.0298	101	360.384	989.33	350.589	1.7452
47	59,121.194	1,619,006.17	43,091.430	26.3845	102	240.451	628.94	234.224	1.6157
48	58,337.352	1,559,884.98	42,892.946	25.7390	103	155.927	388.49	152.080	1.4915
49	57,545.427	1,501,547.62	42,678.619	25.0933	104	98.025	232.57	95.723	1.3725
50	56,745.831	1,444,002.20	42,448.780	24.4468	105	59.570	134.54	58.238	1.2585
51	55,936.562	1,387,256.37	42,201.350	23.8005	106	34.880	74.97	34.138	1.1494
52	55,113.912	1,331,319.80	41,932.528	23.1558	107	19.605	40.09	19.208	1.0449
53	54,276.102	1,276,205.89	41,640.401	22.5132	108	10.532	20.49	10.329	0.9451
54	53,421.433	1,221,929.79	41,323.118	21.8734	109	5.381	9.95	5.283	0.8496

**Table 4.B. -- Actuarial Functions at 2.0 Percent Interest for 1989-91 United States
Total White Population**

x	D_x	N_x	M_x	a_x	x	D_x	N_x	M_x	a_x
0	100,000.000	3,902,843.90	23,473.649	38.0284	55	30,565.690	597,421.51	18,851.543	18.5455
1	97,287.255	3,802,843.90	22,721.688	38.0888	56	29,752.914	566,855.82	18,638.094	18.0521
2	95,320.069	3,705,556.65	22,662.096	37.8749	57	28,941.824	537,102.90	18,410.394	17.5580
3	93,410.528	3,610,236.58	22,621.576	37.6491	58	28,130.490	508,161.08	18,166.548	17.0644
4	91,548.462	3,516,826.05	22,591.089	37.4149	59	27,316.220	480,030.59	17,903.856	16.5731
5	89,728.940	3,425,277.59	22,566.634	37.1736	60	26,498.685	452,714.37	17,621.932	16.0844
6	87,948.238	3,335,548.65	22,545.323	36.9263	61	25,679.101	426,215.69	17,321.931	15.5978
7	86,204.610	3,247,600.41	22,526.171	36.6732	62	24,858.913	400,536.58	17,005.255	15.1124
8	84,496.400	3,161,395.80	22,508.247	36.4146	63	24,038.041	375,677.67	16,671.812	14.6285
9	82,823.710	3,076,899.40	22,492.349	36.1500	64	23,216.432	351,639.63	16,321.537	14.1462
10	81,186.590	2,994,075.69	22,479.223	35.8789	65	22,394.060	328,423.20	15,954.389	13.6656
11	79,582.632	2,912,889.10	22,467.159	35.6021	66	21,571.467	306,029.14	15,570.896	13.1868
12	78,009.572	2,833,306.47	22,454.544	35.3200	67	20,749.969	284,457.67	15,172.368	12.7088
13	76,464.512	2,755,296.89	22,439.083	35.0337	68	19,928.982	263,707.70	14,758.243	12.2324
14	74,943.230	2,678,832.38	22,417.105	34.7448	69	19,105.690	243,778.72	14,325.715	11.7595
15	73,441.805	2,603,889.15	22,385.155	34.4551	70	18,278.519	224,673.03	13,873.165	11.2916
16	71,959.520	2,530,447.35	22,342.905	34.1649	71	17,445.554	206,394.51	13,398.603	10.8308
17	70,497.843	2,458,487.83	22,292.200	33.8732	72	16,607.467	188,948.96	12,902.585	10.3773
18	69,058.820	2,387,989.99	22,235.487	33.5791	73	15,765.145	172,341.49	12,385.900	9.9318
19	67,644.319	2,318,931.17	22,175.081	33.2812	74	14,921.290	156,576.35	11,851.165	9.4935
20	66,257.393	2,251,286.85	22,114.513	32.9779	75	14,080.008	141,655.06	11,302.458	9.0607
21	64,897.529	2,185,029.45	22,053.814	32.6689	76	13,244.002	127,575.05	10,742.530	8.6327
22	63,563.578	2,120,131.92	21,992.364	32.3545	77	12,414.471	114,331.05	10,172.686	8.2095
23	62,255.086	2,056,568.35	21,930.217	32.0345	78	11,591.893	101,916.57	9,593.529	7.7921
24	60,973.470	1,994,313.26	21,869.288	31.7079	79	10,775.460	90,324.68	9,004.388	7.3824
25	59,716.958	1,933,339.79	21,808.335	31.3751	80	9,964.846	79,549.22	8,405.057	6.9830
26	58,486.280	1,873,622.83	21,748.577	31.0353	81	9,160.965	69,584.38	7,796.565	6.5957
27	57,280.904	1,815,136.55	21,689.991	30.6883	82	8,367.231	60,423.41	7,182.458	6.2214
28	56,098.588	1,757,855.65	21,630.830	30.3351	83	7,588.732	52,056.18	6,568.023	5.8597
29	54,938.926	1,701,757.06	21,571.140	29.9754	84	6,832.051	44,467.45	5,960.140	5.5087
30	53,799.860	1,646,818.13	21,509.309	29.6101	85	6,102.682	37,635.40	5,364.734	5.1670
31	52,681.635	1,593,018.27	21,445.983	29.2386	86	5,401.840	31,532.71	4,783.552	4.8374
32	51,583.394	1,540,336.64	21,380.715	28.8611	87	4,731.314	26,130.87	4,218.944	4.5230
33	50,505.366	1,488,753.24	21,314.126	28.4771	88	4,096.385	21,399.56	3,676.786	4.2240
34	49,446.721	1,438,247.88	21,245.782	28.0868	89	3,503.415	17,303.18	3,164.137	3.9389
35	48,407.673	1,388,801.16	21,176.278	27.6897	90	2,956.521	13,799.76	2,685.938	3.6676
36	47,386.440	1,340,393.49	21,104.215	27.2864	91	2,457.277	10,843.24	2,244.664	3.4127
37	46,383.761	1,293,007.04	21,030.682	26.8763	92	2,006.716	8,385.96	1,842.286	3.1789
38	45,397.943	1,246,623.28	20,954.349	26.4599	93	1,608.714	6,379.25	1,483.631	2.9654
39	44,429.256	1,201,225.34	20,875.818	26.0368	94	1,266.120	4,770.53	1,172.580	2.7678
40	43,477.480	1,156,796.08	20,795.204	25.6068	95	977.796	3,504.41	909.082	2.5840
41	42,541.506	1,113,318.60	20,711.730	25.1702	96	740.440	2,526.62	690.899	2.4123
42	41,620.734	1,070,777.10	20,625.104	24.7270	97	548.695	1,786.18	513.672	2.2553
43	40,714.593	1,029,156.36	20,535.056	24.2773	98	398.025	1,237.48	373.760	2.1091
44	39,821.709	988,441.77	20,440.497	23.8217	99	282.761	839.46	266.302	1.9688
45	38,940.803	948,620.06	20,340.409	23.3606	100	196.450	556.69	185.534	1.8338
46	38,069.883	909,679.26	20,233.034	22.8950	101	133.232	360.24	126.168	1.7039
47	37,208.288	871,609.38	20,117.908	22.4251	102	88.022	227.01	83.570	1.5791
48	36,355.022	834,401.09	19,994.216	21.9515	103	56.520	138.99	53.795	1.4591
49	35,509.922	798,046.07	19,861.960	21.4739	104	35.184	82.47	33.567	1.3440
50	34,673.211	762,536.15	19,721.522	20.9921	105	21.172	47.29	20.245	1.2335
51	33,843.640	727,862.94	19,571.818	20.5066	106	12.275	26.12	11.763	1.1276
52	33,018.987	694,019.29	19,410.766	20.0188	107	6.832	13.84	6.560	1.0260
53	32,198.257	661,000.31	19,237.467	19.5291	108	3.634	7.01	3.497	0.9287
54	31,380.542	628,802.05	19,051.090	19.0380	109	1.839	3.37	1.773	0.8355

**Table 4.C. -- Actuarial Functions at 3.0 Percent Interest for 1989-91 United States
Total White Population**

x	D_x	N_x	M_x	a_x	x	D_x	N_x	M_x	a_x
0	100,000.000	3,010,871.57	12,304.712	29.1087	55	17,872.952	310,154.56	8,839.324	16.3533
1	96,342.718	2,910,871.57	11,560.051	29.2137	56	17,228.781	292,281.61	8,715.724	15.9647
2	93,478.179	2,814,528.85	11,501.611	29.1089	57	16,596.399	275,052.83	8,585.152	15.5730
3	90,716.162	2,721,050.67	11,462.259	28.9952	58	15,974.535	258,456.43	8,446.678	15.1793
4	88,044.624	2,630,334.51	11,432.939	28.8750	59	15,361.530	242,481.90	8,298.951	14.7850
5	85,456.927	2,542,289.88	11,409.649	28.7494	60	14,757.104	227,120.37	8,141.948	14.3906
6	82,947.791	2,456,832.95	11,389.549	28.6190	61	14,161.837	212,363.26	7,976.499	13.9955
7	80,513.948	2,373,885.16	11,371.661	28.4841	62	13,576.407	198,201.42	7,803.550	13.5990
8	78,152.304	2,293,371.22	11,355.084	28.3449	63	13,000.640	184,625.02	7,623.212	13.2012
9	75,861.461	2,215,218.91	11,340.522	28.2008	64	12,434.378	171,624.38	7,435.610	12.8024
10	73,639.998	2,139,357.45	11,328.616	28.0516	65	11,877.482	159,190.00	7,240.881	12.4027
11	71,484.308	2,065,717.45	11,317.780	27.8975	66	11,330.112	147,312.52	7,039.456	12.0019
12	69,391.018	1,994,233.15	11,306.558	27.7391	67	10,792.819	135,982.40	6,832.167	11.5993
13	67,356.302	1,924,842.13	11,292.939	27.5770	68	10,265.155	125,189.59	6,618.857	11.1956
14	65,375.295	1,857,485.83	11,273.766	27.4127	69	9,745.544	114,924.43	6,398.230	10.7925
15	63,443.560	1,792,110.53	11,246.166	27.2473	70	9,233.095	105,178.89	6,169.632	10.3915
16	61,559.546	1,728,666.97	11,210.023	27.0812	71	8,726.780	95,945.79	5,932.242	9.9944
17	59,723.593	1,667,107.42	11,167.067	26.9137	72	8,226.888	87,219.01	5,686.528	9.6017
18	57,936.492	1,607,383.83	11,119.488	26.7439	73	7,733.803	78,992.12	5,433.061	9.2139
19	56,198.837	1,549,447.34	11,069.302	26.5708	74	7,248.772	71,258.32	5,173.287	8.8304
20	54,512.146	1,493,248.50	11,019.472	26.3930	75	6,773.669	64,009.55	4,909.313	8.4498
21	52,874.959	1,438,736.36	10,970.017	26.2102	76	6,309.620	57,235.88	4,642.556	8.0712
22	51,285.332	1,385,861.40	10,920.437	26.0226	77	5,856.999	50,926.26	4,373.710	7.6949
23	49,741.929	1,334,576.06	10,870.781	25.8300	78	5,415.820	45,069.26	4,103.123	7.3218
24	48,244.925	1,284,834.13	10,822.572	25.6315	79	4,985.499	39,653.44	3,830.544	6.9538
25	46,791.973	1,236,589.21	10,774.811	25.4274	80	4,565.689	34,667.94	3,555.943	6.5931
26	45,382.730	1,189,797.24	10,728.442	25.2170	81	4,156.616	30,102.25	3,279.851	6.2420
27	44,015.884	1,144,414.51	10,683.423	25.0000	82	3,759.615	25,945.64	3,003.917	5.9011
28	42,688.849	1,100,398.62	10,638.404	24.7772	83	3,376.711	22,186.02	2,730.516	5.5703
29	41,400.504	1,057,709.77	10,593.423	24.5482	84	3,010.500	18,809.31	2,462.656	5.2479
30	40,148.522	1,016,309.27	10,547.281	24.3137	85	2,663.001	15,798.81	2,202.841	4.9327
31	38,932.349	976,160.75	10,500.482	24.0733	86	2,334.292	13,135.81	1,951.696	4.6273
32	37,750.631	937,228.40	10,452.717	23.8268	87	2,024.688	10,801.52	1,710.081	4.3349
33	36,602.839	899,477.77	10,404.458	23.5740	88	1,735.961	8,776.83	1,480.326	4.0559
34	35,487.687	862,874.93	10,355.408	23.3148	89	1,470.259	7,040.87	1,265.185	3.7889
35	34,404.667	827,387.24	10,306.009	23.0487	90	1,228.701	5,570.61	1,066.450	3.5337
36	33,351.869	792,982.57	10,255.290	22.7763	91	1,011.305	4,341.91	884.842	3.2934
37	32,329.203	759,630.70	10,204.037	22.4967	92	817.857	3,330.60	720.849	3.0724
38	31,334.889	727,301.50	10,151.350	22.2106	93	649.281	2,512.75	576.095	2.8700
39	30,368.545	695,966.61	10,097.672	21.9174	94	506.048	1,863.47	451.773	2.6824
40	29,429.457	665,598.07	10,043.105	21.6167	95	387.015	1,357.42	347.479	2.5074
41	28,516.334	636,168.61	9,987.151	21.3089	96	290.224	970.40	261.960	2.3436
42	27,628.258	607,652.28	9,929.648	20.9939	97	212.979	680.18	193.168	2.1936
43	26,764.357	580,024.02	9,870.454	20.6715	98	152.996	467.20	139.388	2.0537
44	25,923.257	553,259.66	9,808.898	20.3422	99	107.635	314.20	98.483	1.9192
45	25,103.687	527,336.40	9,744.375	20.0063	100	74.054	206.57	68.037	1.7894
46	24,303.963	502,232.72	9,675.826	19.6646	101	49.735	132.52	45.876	1.6644
47	23,523.297	477,928.75	9,603.042	19.3173	102	32.539	82.78	30.128	1.5440
48	22,760.713	454,405.46	9,525.603	18.9645	103	20.691	50.24	19.228	1.4281
49	22,015.782	431,644.74	9,443.605	18.6062	104	12.755	29.55	11.895	1.3166
50	21,288.321	409,628.96	9,357.381	18.2420	105	7.601	16.79	7.112	1.2095
51	20,577.252	388,340.64	9,266.359	17.8723	106	4.364	9.19	4.096	1.1065
52	19,880.944	367,763.39	9,169.389	17.4983	107	2.405	4.83	2.265	1.0077
53	19,198.556	347,882.44	9,066.057	17.1202	108	1.267	2.42	1.196	0.9128
54	18,529.324	328,683.89	8,956.007	16.7386	109	0.635	1.16	0.601	0.8219

**Table 4.D. -- Actuarial Functions at 4.0 Percent Interest for 1989-91 United States
Total White Population**

x	D_x	N_x	M_x	a_x	x	D_x	N_x	M_x	a_x
0	100,000.000	2,420,044.35	6,921.371	23.2004	55	10,505.337	163,345.78	4,222.807	14.5488
1	95,416.346	2,320,044.35	6,183.871	23.3150	56	10,029.335	152,840.44	4,150.856	14.2393
2	91,689.164	2,224,628.00	6,126.549	23.2627	57	9,568.312	142,811.11	4,075.577	13.9254
3	88,124.431	2,132,938.84	6,088.322	23.2037	58	9,121.234	133,242.80	3,996.511	13.6080
4	84,706.821	2,044,814.41	6,060.113	23.1399	59	8,686.878	124,121.56	3,912.972	13.2884
5	81,426.675	1,960,107.59	6,037.921	23.0721	60	8,264.836	115,434.69	3,825.041	12.9670
6	78,275.912	1,878,680.91	6,018.954	23.0008	61	7,855.188	107,169.85	3,733.271	12.6432
7	75,248.582	1,800,405.00	6,002.236	22.9261	62	7,458.058	99,314.66	3,638.263	12.3164
8	72,339.061	1,725,156.42	5,986.891	22.8482	63	7,073.095	91,856.60	3,540.149	11.9868
9	69,543.440	1,652,817.36	5,973.542	22.7667	64	6,699.968	84,783.51	3,439.064	11.6543
10	66,857.884	1,583,273.92	5,962.733	22.6812	65	6,338.361	78,083.54	3,335.148	11.3192
11	64,276.683	1,516,416.03	5,952.989	22.5920	66	5,988.122	71,745.18	3,228.692	10.9812
12	61,794.509	1,452,139.35	5,942.996	22.4995	67	5,649.308	65,757.06	3,120.190	10.6398
13	59,405.786	1,390,344.84	5,930.984	22.4042	68	5,321.447	60,107.75	3,009.610	10.2954
14	57,104.201	1,330,939.05	5,914.237	22.3072	69	5,003.503	54,786.30	2,896.338	9.9496
15	54,884.009	1,273,834.85	5,890.361	22.2096	70	4,694.824	49,782.80	2,780.100	9.6038
16	52,742.119	1,218,950.84	5,859.394	22.1115	71	4,394.706	45,087.98	2,660.554	9.2596
17	50,677.127	1,166,208.73	5,822.945	22.0125	72	4,103.130	40,693.27	2,538.005	8.9176
18	48,688.022	1,115,531.60	5,782.961	21.9118	73	3,820.118	36,590.14	2,412.805	8.5783
19	46,773.638	1,066,843.58	5,741.192	21.8087	74	3,546.108	32,770.02	2,285.723	8.2411
20	44,933.577	1,020,069.94	5,700.118	21.7017	75	3,281.824	29,223.91	2,157.828	7.9048
21	43,164.990	975,136.36	5,659.745	21.5909	76	3,027.600	25,942.09	2,029.827	7.5685
22	41,464.712	931,971.37	5,619.659	21.4763	77	2,783.392	22,914.49	1,902.065	7.2326
23	39,830.154	890,506.66	5,579.898	21.3576	78	2,548.985	20,131.10	1,774.712	6.8977
24	38,259.993	850,676.51	5,541.666	21.2341	79	2,323.890	17,582.11	1,647.655	6.5658
25	36,750.943	812,416.51	5,504.154	21.1060	80	2,107.741	15,258.22	1,520.886	6.2391
26	35,301.377	775,665.57	5,468.085	20.9727	81	1,900.442	13,150.48	1,394.654	5.9197
27	33,908.950	740,364.19	5,433.404	20.8339	82	1,702.402	11,250.04	1,269.708	5.6083
28	32,570.411	706,455.24	5,399.056	20.6901	83	1,514.315	9,547.64	1,147.099	5.3049
29	31,283.714	673,884.83	5,365.067	20.5411	84	1,337.103	8,033.32	1,028.129	5.0080
30	30,045.963	642,601.12	5,330.535	20.3873	85	1,171.390	6,696.22	913.843	4.7165
31	28,855.663	612,555.16	5,295.849	20.2282	86	1,016.926	5,524.83	804.433	4.4329
32	27,710.767	583,699.49	5,260.787	20.0640	87	873.567	4,507.90	700.186	4.1603
33	26,609.885	555,988.73	5,225.703	19.8941	88	741.792	3,634.34	602.010	3.8994
34	25,551.112	529,378.84	5,190.387	19.7184	89	622.214	2,892.54	510.962	3.6488
35	24,533.152	503,827.73	5,155.162	19.5366	90	514.987	2,270.33	427.666	3.4085
36	23,553.750	479,294.58	5,119.343	19.3490	91	419.794	1,755.34	352.280	3.1814
37	22,611.989	455,740.83	5,083.495	19.1548	92	336.229	1,335.55	284.861	2.9721
38	21,705.801	433,128.84	5,046.999	18.9545	93	264.359	999.32	225.924	2.7802
39	20,834.137	411,423.04	5,010.174	18.7475	94	204.060	734.96	175.792	2.6017
40	19,995.748	390,588.90	4,973.098	18.5336	95	154.560	530.90	134.141	2.4349
41	19,189.029	370,593.15	4,935.446	18.3128	96	114.791	376.34	100.316	2.2785
42	18,412.667	351,404.12	4,897.124	18.0849	97	83.428	261.55	73.369	2.1350
43	17,665.417	332,991.46	4,858.053	17.8499	98	59.355	178.12	52.504	2.0010
44	16,945.739	315,326.04	4,817.815	17.6080	99	41.356	118.77	36.788	1.8719
45	16,252.208	298,380.30	4,776.042	17.3594	100	28.180	77.41	25.202	1.7471
46	15,583.171	282,128.09	4,732.090	17.1047	101	18.744	49.23	16.850	1.6266
47	14,937.600	266,544.92	4,685.872	16.8439	102	12.145	30.49	10.973	1.5104
48	14,314.374	251,607.32	4,637.169	16.5772	103	7.649	18.34	6.943	1.3983
49	13,712.748	237,292.95	4,586.096	16.3046	104	4.670	10.70	4.258	1.2903
50	13,132.146	223,580.20	4,532.907	16.0254	105	2.756	6.03	2.524	1.1863
51	12,571.454	210,448.06	4,477.298	15.7402	106	1.567	3.27	1.441	1.0862
52	12,029.263	197,876.60	4,418.625	15.4496	107	0.855	1.70	0.790	0.9900
53	11,504.678	185,847.34	4,356.704	15.1541	108	0.446	0.85	0.414	0.8975
54	10,996.878	174,342.66	4,291.391	14.8538	109	0.221	0.40	0.206	0.8087

**Table 4.E. -- Actuarial Functions at 5.0 Percent Interest for 1989-91 United States
Total White Population**

x	D_x	N_x	M_x	a_x	x	D_x	N_x	M_x	a_x
0	100,000.000	2,011,064.20	4,235.038	19.1106	55	6,206.292	87,191.51	2,054.316	13.0489
1	94,507.619	1,911,064.20	3,504.562	19.2213	56	5,868.652	80,985.21	2,012.214	12.7996
2	89,951.020	1,816,556.58	3,448.326	19.1950	57	5,545.563	75,116.56	1,968.584	12.5453
3	85,630.493	1,726,605.56	3,411.181	19.1634	58	5,236.100	69,571.00	1,923.195	12.2868
4	81,525.702	1,640,975.06	3,384.032	19.1283	59	4,939.262	64,334.90	1,875.696	12.0252
5	77,622.370	1,559,449.36	3,362.877	19.0902	60	4,654.539	59,395.64	1,826.175	11.7608
6	73,908.158	1,481,826.99	3,344.968	19.0496	61	4,381.704	54,741.10	1,774.985	11.4931
7	70,373.087	1,407,918.83	3,329.333	19.0065	62	4,120.560	50,359.39	1,722.494	11.2215
8	67,007.774	1,337,545.75	3,315.119	18.9611	63	3,870.651	46,238.83	1,668.802	10.9460
9	63,804.680	1,270,537.97	3,302.871	18.9129	64	3,631.544	42,368.18	1,614.012	10.6667
10	60,756.539	1,206,733.29	3,293.049	18.8618	65	3,402.825	38,736.64	1,558.223	10.3837
11	57,854.600	1,145,976.76	3,284.279	18.8079	66	3,184.178	35,333.81	1,501.615	10.0967
12	55,090.710	1,088,122.15	3,275.369	18.7515	67	2,975.404	32,149.64	1,444.469	9.8051
13	52,456.736	1,033,031.44	3,264.763	18.6930	68	2,776.032	29,174.23	1,386.783	9.5093
14	49,944.150	980,574.71	3,250.116	18.6334	69	2,585.312	26,398.20	1,328.255	9.2108
15	47,545.173	930,630.56	3,229.432	18.5736	70	2,402.714	23,812.89	1,268.767	8.9108
16	45,254.547	883,085.39	3,202.862	18.5137	71	2,227.700	21,410.17	1,208.168	8.6109
17	43,068.591	837,830.84	3,171.885	18.4534	72	2,060.090	19,182.47	1,146.639	8.3115
18	40,984.049	794,762.25	3,138.227	18.3920	73	1,899.729	17,122.38	1,084.378	8.0131
19	38,997.603	753,778.20	3,103.403	18.3288	74	1,746.670	15,222.65	1,021.782	7.7152
20	37,106.654	714,780.60	3,069.483	18.2629	75	1,601.100	13,475.98	959.386	7.4167
21	35,306.648	677,673.94	3,036.460	18.1939	76	1,463.004	11,874.88	897.533	7.1168
22	33,592.903	642,367.29	3,003.984	18.1221	77	1,332.188	10,411.88	836.384	6.8156
23	31,961.335	608,774.39	2,972.078	18.0472	78	1,208.377	9,079.69	776.011	6.5140
24	30,408.980	576,813.06	2,941.692	17.9685	79	1,091.176	7,871.32	716.351	6.2136
25	28,931.403	546,404.08	2,912.161	17.8862	80	980.258	6,780.14	657.394	5.9167
26	27,525.593	517,472.67	2,884.037	17.7997	81	875.431	5,799.88	599.246	5.6252
27	26,188.066	489,947.08	2,857.253	17.7088	82	776.736	4,924.45	542.238	5.3399
28	24,914.740	463,759.01	2,830.978	17.6138	83	684.340	4,147.71	486.829	5.0609
29	23,702.572	438,844.27	2,805.226	17.5146	84	598.500	3,463.37	433.578	4.7868
30	22,547.964	415,141.70	2,779.311	17.4115	85	519.332	2,864.87	382.909	4.5165
31	21,448.469	392,593.74	2,753.529	17.3040	86	446.557	2,345.54	334.864	4.2525
32	20,401.300	371,145.27	2,727.716	17.1922	87	379.951	1,898.99	289.523	3.9980
33	19,404.226	350,743.97	2,702.132	17.0756	88	319.564	1,519.03	247.229	3.7535
34	18,454.707	331,339.74	2,676.624	16.9542	89	265.497	1,199.47	208.379	3.5178
35	17,550.713	312,885.04	2,651.425	16.8275	90	217.650	933.97	173.175	3.2912
36	16,689.584	295,334.32	2,626.044	16.6957	91	175.729	716.32	141.618	3.0763
37	15,869.683	278,644.74	2,600.886	16.5583	92	139.408	540.59	113.665	2.8778
38	15,088.614	262,775.06	2,575.516	16.4155	93	108.565	401.19	89.461	2.6954
39	14,344.753	247,686.44	2,550.161	16.2667	94	83.004	292.62	69.069	2.5254
40	13,636.386	233,341.69	2,524.876	16.1117	95	62.270	209.62	52.288	2.3663
41	12,961.601	219,705.30	2,499.444	15.9505	96	45.807	147.35	38.791	2.2167
42	12,318.743	206,743.70	2,473.804	15.7829	97	32.975	101.54	28.140	2.0793
43	11,706.245	194,424.96	2,447.914	15.6087	98	23.237	68.57	19.972	1.9508
44	11,122.394	182,718.72	2,421.503	15.4280	99	16.036	45.33	13.877	1.8267
45	10,565.600	171,596.32	2,394.347	15.2410	100	10.823	29.29	9.428	1.7066
46	10,034.175	161,030.72	2,366.046	15.0482	101	7.130	18.47	6.251	1.5904
47	9,526.880	150,996.55	2,336.569	14.8495	102	4.576	11.34	4.036	1.4781
48	9,042.454	141,469.67	2,305.803	14.6451	103	2.854	6.76	2.532	1.3697
49	8,579.905	132,427.21	2,273.847	14.4346	104	1.726	3.91	1.540	1.2650
50	8,138.375	123,847.31	2,240.884	14.2177	105	1.009	2.18	0.905	1.1640
51	7,716.699	115,708.93	2,206.750	13.9946	106	0.568	1.17	0.512	1.0666
52	7,313.565	107,992.23	2,171.078	13.7660	107	0.307	0.61	0.278	0.9729
53	6,928.012	100,678.67	2,133.789	13.5321	108	0.159	0.30	0.145	0.8827
54	6,559.150	93,750.66	2,094.833	13.2931	109	0.078	0.14	0.071	0.7959

**Table 4.F. -- Actuarial Functions at 6.0 Percent Interest for 1989-91 United States
Total White Population**

x	D_x	N_x	M_x	a_x	x	D_x	N_x	M_x	a_x
0	100,000.000	1,716,472.58	2,841.175	16.1647	55	3,684.861	47,130.77	1,017.081	11.7904
1	93,616.038	1,616,472.58	2,117.590	16.2670	56	3,451.522	43,445.91	992.320	11.5875
2	88,261.837	1,522,856.54	2,062.410	16.2539	57	3,230.735	39,994.39	966.902	11.3793
3	83,229.780	1,434,594.70	2,026.307	16.2366	58	3,021.670	36,763.65	940.709	11.1667
4	78,492.522	1,351,364.92	2,000.168	16.2165	59	2,823.480	33,741.98	913.556	10.9505
5	74,029.373	1,272,872.40	1,979.992	16.1942	60	2,635.619	30,918.50	885.515	10.7310
6	69,822.112	1,198,843.03	1,963.073	16.1700	61	2,457.721	28,282.88	856.803	10.5078
7	65,855.286	1,129,020.91	1,948.441	16.1440	62	2,289.439	25,825.16	827.638	10.2801
8	62,114.452	1,063,165.63	1,935.266	16.1162	63	2,130.298	23,535.72	798.087	10.0481
9	58,587.294	1,001,051.18	1,924.020	16.0865	64	1,979.845	21,405.43	768.217	9.8117
10	55,262.097	942,463.88	1,915.085	16.0544	65	1,837.650	19,425.58	738.089	9.5709
11	52,126.152	887,201.79	1,907.183	16.0203	66	1,703.350	17,587.93	707.807	9.3255
12	49,167.664	835,075.63	1,899.232	15.9842	67	1,576.653	15,884.58	677.525	9.0749
13	46,375.212	785,907.97	1,889.855	15.9467	68	1,457.129	14,307.93	647.246	8.8193
14	43,737.373	739,532.76	1,877.028	15.9085	69	1,344.219	12,850.80	616.815	8.5601
15	41,243.730	695,795.38	1,859.086	15.8703	70	1,237.492	11,506.58	586.176	8.2983
16	38,886.348	654,551.65	1,836.255	15.8324	71	1,136.529	10,269.09	555.260	8.0355
17	36,658.867	615,665.31	1,809.888	15.7944	72	1,041.102	9,132.56	524.165	7.7720
18	34,555.459	579,006.44	1,781.510	15.7559	73	951.004	8,091.46	492.997	7.5083
19	32,570.405	544,450.98	1,752.425	15.7161	74	866.134	7,140.45	461.957	7.2441
20	30,698.734	511,880.57	1,724.362	15.6743	75	786.459	6,274.32	431.308	6.9779
21	28,934.008	481,181.84	1,697.300	15.6303	76	711.847	5,487.86	401.213	6.7093
22	27,269.871	452,247.83	1,670.937	15.5842	77	642.081	4,776.02	371.741	6.4383
23	25,700.637	424,977.96	1,645.281	15.5357	78	576.913	4,133.93	342.917	6.1656
24	24,221.680	399,277.32	1,621.077	15.4843	79	516.043	3,557.02	314.702	5.8929
25	22,827.342	375,055.64	1,597.777	15.4301	80	459.214	3,040.98	287.083	5.6221
26	21,513.247	352,228.30	1,575.796	15.3726	81	406.238	2,581.76	260.100	5.3553
27	20,274.779	330,715.06	1,555.059	15.3116	82	357.038	2,175.53	233.895	5.0933
28	19,107.000	310,440.28	1,534.909	15.2475	83	311.599	1,818.49	208.666	4.8360
29	18,005.909	291,333.28	1,515.346	15.1799	84	269.943	1,506.89	184.648	4.5822
30	16,967.206	273,327.37	1,495.846	15.1092	85	232.026	1,236.95	162.010	4.3311
31	15,987.581	256,360.16	1,476.628	15.0350	86	197.630	1,004.92	140.747	4.0849
32	15,063.563	240,372.58	1,457.568	14.9572	87	166.566	807.29	120.870	3.8467
33	14,192.197	225,309.02	1,438.857	14.8756	88	138.771	640.72	102.504	3.6171
34	13,370.385	211,116.82	1,420.376	14.7899	89	114.205	501.95	85.793	3.3952
35	12,595.486	197,746.43	1,402.292	14.6998	90	92.740	387.75	70.792	3.1810
36	11,864.491	185,150.95	1,384.249	14.6055	91	74.171	295.01	57.473	2.9774
37	11,175.200	173,286.46	1,366.533	14.5063	92	58.286	220.84	45.786	2.7888
38	10,524.945	162,111.26	1,348.836	14.4026	93	44.962	162.55	35.761	2.6152
39	9,911.674	151,586.31	1,331.316	14.2937	94	34.052	117.59	27.396	2.4532
40	9,333.330	141,674.64	1,314.011	14.1794	95	25.305	83.54	20.577	2.3011
41	8,787.785	132,341.31	1,296.768	14.0597	96	18.439	58.23	15.143	2.1580
42	8,273.144	123,553.52	1,279.549	13.9343	97	13.149	39.79	10.896	2.0263
43	7,787.629	115,280.38	1,262.325	13.8030	98	9.178	26.64	7.670	1.9029
44	7,329.416	107,492.75	1,244.921	13.6659	99	6.274	17.46	5.286	1.7836
45	6,896.817	100,163.33	1,227.194	13.5231	100	4.195	11.19	3.561	1.6679
46	6,488.131	93,266.52	1,208.895	13.3749	101	2.737	7.00	2.341	1.5557
47	6,101.998	86,778.38	1,190.014	13.2213	102	1.740	4.26	1.499	1.4472
48	5,737.083	80,676.39	1,170.495	13.0623	103	1.075	2.52	0.933	1.3421
49	5,392.259	74,939.30	1,150.412	12.8976	104	0.644	1.44	0.562	1.2406
50	5,066.516	69,547.04	1,129.891	12.7268	105	0.373	0.80	0.328	1.1424
51	4,758.682	64,480.53	1,108.841	12.5501	106	0.208	0.43	0.184	1.0477
52	4,467.532	59,721.85	1,087.050	12.3680	107	0.111	0.22	0.099	0.9564
53	4,192.090	55,254.31	1,064.487	12.1806	108	0.057	0.11	0.051	0.8683
54	3,931.452	51,062.22	1,041.138	11.9881	109	0.028	0.05	0.025	0.7835

**Table 4.G. -- Actuarial Functions at 7.0 Percent Interest for 1989-91 United States
Total White Population**

x	D_x	N_x	M_x	a_x	x	D_x	N_x	M_x	a_x
0	100,000.000	1,496,693.13	2,085.496	13.9669	55	2,198.548	25,778.18	512.125	10.7251
1	92,741.121	1,396,693.13	1,368.674	14.0601	56	2,040.082	23,579.63	497.489	10.5582
2	86,619.792	1,303,952.01	1,314.521	14.0537	57	1,891.735	21,539.55	482.606	10.3861
3	80,917.976	1,217,332.21	1,279.420	14.0440	58	1,752.783	19,647.82	467.412	10.2095
4	75,599.101	1,136,414.24	1,254.244	14.0321	59	1,622.512	17,895.03	451.809	10.0292
5	70,634.115	1,060,815.14	1,234.994	14.0185	60	1,500.403	16,272.52	435.846	9.8454
6	65,997.199	990,181.02	1,219.002	14.0034	61	1,386.053	14,772.12	419.653	9.6577
7	61,665.925	924,183.82	1,205.301	13.9869	62	1,279.083	13,386.07	403.359	9.4654
8	57,619.483	862,517.90	1,193.079	13.9692	63	1,179.049	12,106.98	387.003	9.2684
9	53,839.650	804,898.41	1,182.744	13.9499	64	1,085.537	10,927.93	370.626	9.0668
10	50,309.296	751,058.76	1,174.611	13.9288	65	998.156	9,842.40	354.261	8.8606
11	47,010.907	700,749.47	1,167.484	13.9061	66	916.562	8,844.24	337.966	8.6494
12	43,928.323	653,738.56	1,160.380	13.8819	67	840.458	7,927.68	321.824	8.4326
13	41,046.208	609,810.24	1,152.081	13.8567	68	769.485	7,087.22	305.835	8.2103
14	38,349.696	568,764.03	1,140.834	13.8310	69	703.224	6,317.74	289.914	7.9840
15	35,825.252	530,414.33	1,125.249	13.8056	70	641.340	5,614.51	274.036	7.7543
16	33,461.897	494,589.08	1,105.602	13.7807	71	583.511	4,973.17	258.163	7.5228
17	31,250.324	461,127.18	1,083.125	13.7559	72	529.522	4,389.66	242.348	7.2899
18	29,181.946	429,876.86	1,059.160	13.7309	73	479.176	3,860.14	226.643	7.0558
19	27,248.514	400,694.91	1,034.828	13.7052	74	432.334	3,380.96	211.150	6.8203
20	25,442.643	373,446.40	1,011.570	13.6780	75	388.895	2,948.63	195.994	6.5821
21	23,755.952	348,003.76	989.351	13.6491	76	348.711	2,559.74	181.251	6.3406
22	22,180.381	324,247.81	967.908	13.6187	77	311.595	2,211.02	166.949	6.0958
23	20,708.656	302,067.42	947.235	13.5865	78	277.353	1,899.43	153.091	5.8484
24	19,334.563	281,358.77	927.915	13.5521	79	245.771	1,622.08	139.654	5.5999
25	18,051.260	262,024.21	909.490	13.5156	80	216.662	1,376.31	126.623	5.3523
26	16,853.117	243,972.95	892.270	13.4764	81	189.876	1,159.64	114.011	5.1074
27	15,734.484	227,119.83	876.177	13.4345	82	165.320	969.77	101.878	4.8660
28	14,689.634	211,385.34	860.686	13.3901	83	142.932	804.45	90.305	4.6282
29	13,713.730	196,695.71	845.786	13.3430	84	122.667	661.52	79.390	4.3928
30	12,801.857	182,981.98	831.073	13.2934	85	104.451	538.85	69.200	4.1588
31	11,949.988	170,180.12	816.709	13.2410	86	88.136	434.40	59.717	3.9287
32	11,154.100	158,230.14	802.596	13.1858	87	73.588	346.26	50.936	3.7054
33	10,410.666	147,076.04	788.870	13.1274	88	60.736	272.67	42.897	3.4895
34	9,716.165	136,665.37	775.440	13.0658	89	49.517	211.94	35.652	3.2801
35	9,067.509	126,949.20	762.421	13.0004	90	39.834	162.42	29.209	3.0774
36	8,461.440	117,881.70	749.553	12.9316	91	31.561	122.59	23.541	2.8842
37	7,895.371	109,420.26	737.036	12.8588	92	24.569	91.03	18.614	2.7049
38	7,366.465	101,524.88	724.650	12.7820	93	18.776	66.46	14.428	2.5394
39	6,872.400	94,158.42	712.503	12.7010	94	14.087	47.68	10.968	2.3847
40	6,410.917	87,286.02	700.616	12.6152	95	10.371	33.59	8.173	2.2393
41	5,979.777	80,875.10	688.883	12.5248	96	7.486	23.22	5.967	2.1021
42	5,576.970	74,895.33	677.275	12.4294	97	5.288	15.74	4.259	1.9757
43	5,200.619	69,318.36	665.773	12.3289	98	3.657	10.45	2.973	1.8572
44	4,848.878	64,117.74	654.259	12.2232	99	2.477	6.79	2.032	1.7423
45	4,520.044	59,268.86	642.642	12.1125	100	1.640	4.31	1.358	1.6308
46	4,212.459	54,748.82	630.761	11.9969	101	1.060	2.67	0.885	1.5225
47	3,924.734	50,536.36	618.617	11.8764	102	0.668	1.61	0.562	1.4174
48	3,655.538	46,611.62	606.180	11.7510	103	0.409	0.95	0.347	1.3156
49	3,403.714	42,956.08	593.503	11.6204	104	0.243	0.54	0.207	1.2170
50	3,168.209	39,552.37	580.670	11.4841	105	0.139	0.30	0.120	1.1217
51	2,947.903	36,384.16	567.631	11.3424	106	0.077	0.16	0.067	1.0294
52	2,741.677	33,436.26	554.258	11.1956	107	0.041	0.08	0.036	0.9404
53	2,548.597	30,694.58	540.541	11.0437	108	0.021	0.04	0.018	0.8544
54	2,367.804	28,145.99	526.478	10.8870	109	0.010	0.02	0.009	0.7715

**Table 4.H. -- Actuarial Functions at 8.0 Percent Interest for 1989-91 United States
Total White Population**

x	D_x	N_x	M_x	a_x	x	D_x	N_x	M_x	a_x
0	100,000.000	1,327,652.77	1,655.350	12.2765	55	1,318.066	14,255.98	262.068	9.8158
1	91,882.407	1,227,652.77	945.165	12.3611	56	1,211.738	12,937.91	253.375	9.6771
2	85,023.148	1,135,770.36	892.010	12.3584	57	1,113.222	11,726.17	244.616	9.5335
3	78,691.002	1,050,747.22	857.875	12.3528	58	1,021.902	10,612.95	235.758	9.3855
4	72,837.783	972,056.21	833.619	12.3455	59	937.193	9,591.05	226.745	9.2338
5	67,424.016	899,218.43	815.243	12.3368	60	858.636	8,653.85	217.610	9.0786
6	62,414.521	831,794.41	800.119	12.3269	61	785.853	7,795.22	208.429	8.9194
7	57,778.386	769,379.89	787.283	12.3161	62	718.489	7,009.37	199.276	8.7557
8	53,487.160	711,601.51	775.937	12.3042	63	656.165	6,290.88	190.175	8.5873
9	49,515.643	658,114.35	766.432	12.2910	64	598.530	5,634.71	181.144	8.4142
10	45,840.407	608,598.71	759.021	12.2765	65	545.255	5,036.18	172.205	8.2364
11	42,438.388	562,758.30	752.588	12.2606	66	496.047	4,490.93	163.386	8.0534
12	39,288.450	520,319.91	746.234	12.2436	67	450.648	3,994.88	154.731	7.8647
13	36,370.840	481,031.46	738.880	12.2257	68	408.772	3,544.23	146.237	7.6704
14	33,666.831	444,660.62	729.007	12.2077	69	370.114	3,135.46	137.858	7.4716
15	31,159.436	410,993.79	715.451	12.1900	70	334.418	2,765.34	129.578	7.2691
16	28,834.400	379,834.35	698.522	12.1730	71	301.447	2,430.93	121.378	7.0642
17	26,679.329	350,999.95	679.333	12.1563	72	271.023	2,129.48	113.283	6.8572
18	24,682.812	324,320.63	659.062	12.1395	73	242.983	1,858.46	105.320	6.6485
19	22,834.065	299,637.81	638.672	12.1224	74	217.201	1,615.47	97.536	6.4377
20	21,123.344	276,803.75	619.362	12.1042	75	193.568	1,398.27	89.993	6.2237
21	19,540.375	255,680.40	601.086	12.0847	76	171.960	1,204.70	82.722	6.0057
22	18,075.466	236,140.03	583.612	12.0641	77	152.234	1,032.74	75.735	5.7839
23	16,719.851	218,064.56	566.921	12.0423	78	134.250	880.51	69.027	5.5587
24	15,465.889	201,344.71	551.466	12.0186	79	117.862	746.26	62.583	5.3317
25	14,305.666	185,878.82	536.865	11.9934	80	102.940	628.40	56.392	5.1045
26	13,232.467	171,573.16	523.344	11.9661	81	89.378	525.46	50.455	4.8791
27	12,239.766	158,340.69	510.826	11.9366	82	77.099	436.08	44.797	4.6561
28	11,321.177	146,100.92	498.887	11.9051	83	66.041	358.98	39.449	4.4358
29	10,471.195	134,779.75	487.510	11.8715	84	56.153	292.94	34.453	4.2169
30	9,684.420	124,308.55	476.380	11.8359	85	47.371	236.79	29.832	3.9986
31	8,956.290	114,624.13	465.614	11.7982	86	39.602	189.42	25.571	3.7831
32	8,282.382	105,667.84	455.134	11.7581	87	32.759	149.82	21.662	3.5733
33	7,658.774	97,385.46	445.036	11.7155	88	26.787	117.06	18.116	3.3699
34	7,081.669	89,726.69	435.248	11.6703	89	21.637	90.27	14.950	3.1720
35	6,547.700	82,645.02	425.847	11.6220	90	17.245	68.63	12.161	2.9799
36	6,053.479	76,097.32	416.641	11.5708	91	13.537	51.39	9.730	2.7962
37	5,596.202	70,043.84	407.769	11.5163	92	10.440	37.85	7.637	2.6254
38	5,172.970	64,447.63	399.072	11.4585	93	7.905	27.41	5.874	2.4676
39	4,781.336	59,274.66	390.620	11.3971	94	5.876	19.51	4.431	2.3198
40	4,418.970	54,493.33	382.427	11.3317	95	4.286	13.63	3.276	2.1805
41	4,083.626	50,074.36	374.414	11.2622	96	3.065	9.34	2.373	2.0489
42	3,773.282	45,990.73	366.561	11.1885	97	2.145	6.28	1.680	1.9275
43	3,486.069	42,217.45	358.851	11.1103	98	1.470	4.13	1.163	1.8135
44	3,220.195	38,731.38	351.204	11.0277	99	0.986	2.67	0.789	1.7029
45	2,974.018	35,511.19	343.560	10.9405	100	0.647	1.68	0.523	1.5952
46	2,745.976	32,537.17	335.815	10.8490	101	0.414	1.03	0.338	1.4905
47	2,534.727	29,791.19	327.972	10.7532	102	0.259	0.62	0.213	1.3888
48	2,339.012	27,256.47	320.014	10.6530	103	0.157	0.36	0.130	1.2901
49	2,157.715	24,917.45	311.978	10.5481	104	0.092	0.20	0.077	1.1944
50	1,989.825	22,759.74	303.918	10.4381	105	0.052	0.11	0.044	1.1016
51	1,834.317	20,769.91	295.805	10.3230	106	0.029	0.06	0.024	1.0118
52	1,690.197	18,935.60	287.560	10.2032	107	0.015	0.03	0.013	0.9249
53	1,556.619	17,245.40	279.182	10.0788	108	0.008	0.01	0.007	0.8409
54	1,432.804	15,688.78	270.673	9.9497	109	0.004	0.01	0.003	0.7598

**Table 4.I. -- Actuarial Functions at 9.0 Percent Interest for 1989-91 United States
Total White Population**

x	D_x	N_x	M_x	a_x	x	D_x	N_x	M_x	a_x
0	100,000.000	1,194,189.07	1,397.233	10.9419	55	793.937	7,966.07	136.188	9.0336
1	91,039.450	1,094,189.07	693.563	11.0188	56	723.195	7,172.14	131.000	8.9173
2	83,470.247	1,003,149.62	641.379	11.0181	57	658.302	6,448.94	125.821	8.7963
3	76,545.004	919,679.38	608.175	11.0149	58	598.757	5,790.64	120.630	8.6711
4	70,201.396	843,134.37	584.797	11.0102	59	544.086	5,191.88	115.398	8.5424
5	64,387.403	772,932.98	567.249	11.0044	60	493.907	4,647.80	110.143	8.4103
6	59,056.701	708,545.57	552.938	10.9977	61	447.893	4,153.89	104.911	8.2743
7	54,168.425	649,488.87	540.904	10.9902	62	405.742	3,706.00	99.742	8.1339
8	49,685.264	595,320.45	530.364	10.9818	63	367.147	3,300.26	94.649	7.9889
9	45,574.062	545,635.18	521.616	10.9725	64	331.826	2,933.11	89.643	7.8393
10	41,804.308	500,061.12	514.858	10.9620	65	299.517	2,601.28	84.732	7.6849
11	38,346.763	458,256.81	509.045	10.9503	66	269.987	2,301.77	79.933	7.5255
12	35,174.828	419,910.05	503.356	10.9378	67	243.026	2,031.78	75.265	7.3603
13	32,263.961	384,735.22	496.832	10.9246	68	218.421	1,788.75	70.726	7.1895
14	29,591.286	352,471.26	488.154	10.9113	69	195.950	1,570.33	66.290	7.0139
15	27,136.164	322,879.97	476.349	10.8985	70	175.428	1,374.38	61.947	6.8345
16	24,880.955	295,743.81	461.741	10.8864	71	156.681	1,198.95	57.685	6.6522
17	22,810.158	270,862.86	445.335	10.8747	72	139.575	1,042.27	53.516	6.4675
18	20,909.579	248,052.70	428.163	10.8631	73	123.987	902.70	49.452	6.2806
19	19,165.985	227,143.12	411.048	10.8514	74	109.814	778.71	45.517	6.0912
20	17,567.413	207,977.14	394.989	10.8388	75	96.968	668.90	41.738	5.8981
21	16,101.833	190,409.72	379.929	10.8253	76	85.353	571.93	38.130	5.7007
22	14,758.056	174,307.89	365.662	10.8110	77	74.869	486.58	34.693	5.4990
23	13,525.999	159,549.83	352.159	10.7958	78	65.419	411.71	31.424	5.2934
24	12,396.785	146,023.83	339.771	10.7792	79	56.906	346.29	28.313	5.0853
25	11,361.601	133,627.05	328.175	10.7613	80	49.245	289.38	25.351	4.8763
26	10,412.848	122,265.45	317.535	10.7418	81	42.365	240.14	22.537	4.6683
27	9,543.311	111,852.60	307.775	10.7205	82	36.210	197.77	19.880	4.4619
28	8,746.107	102,309.29	298.551	10.6977	83	30.732	161.56	17.392	4.2572
29	8,015.243	93,563.18	289.843	10.6732	84	25.890	130.83	15.088	4.0532
30	7,344.993	85,547.94	281.401	10.6471	85	21.641	104.94	12.976	3.8491
31	6,730.435	78,202.95	273.311	10.6193	86	17.926	83.30	11.048	3.6469
32	6,166.908	71,472.51	265.508	10.5897	87	14.692	65.37	9.295	3.4495
33	5,650.264	65,305.60	258.058	10.5580	88	11.904	50.68	7.719	3.2575
34	5,176.574	59,655.34	250.903	10.5241	89	9.527	38.78	6.325	3.0703
35	4,742.341	54,478.77	244.094	10.4877	90	7.523	29.25	5.108	2.8879
36	4,344.165	49,736.43	237.488	10.4490	91	5.851	21.73	4.057	2.7131
37	3,979.164	45,392.26	231.180	10.4075	92	4.472	15.88	3.161	2.5503
38	3,644.482	41,413.10	225.052	10.3632	93	3.355	11.40	2.413	2.3996
39	3,337.662	37,768.61	219.152	10.3159	94	2.471	8.05	1.806	2.2581
40	3,056.408	34,430.95	213.485	10.2652	95	1.785	5.58	1.325	2.1246
41	2,798.553	31,374.54	207.994	10.2110	96	1.265	3.79	0.952	1.9982
42	2,562.147	28,575.99	202.661	10.1531	97	0.877	2.53	0.669	1.8815
43	2,345.406	26,013.84	197.474	10.0914	98	0.596	1.65	0.459	1.7717
44	2,146.651	23,668.44	192.377	10.0257	99	0.396	1.06	0.309	1.6651
45	1,964.356	21,521.79	187.328	9.9562	100	0.257	0.66	0.203	1.5611
46	1,797.093	19,557.43	182.259	9.8828	101	0.163	0.40	0.130	1.4599
47	1,643.624	17,760.34	177.174	9.8056	102	0.101	0.24	0.081	1.3613
48	1,502.798	16,116.71	172.061	9.7245	103	0.061	0.14	0.049	1.2655
49	1,373.598	14,613.92	166.945	9.6391	104	0.035	0.08	0.029	1.1725
50	1,255.098	13,240.32	161.861	9.5492	105	0.020	0.04	0.016	1.0822
51	1,146.395	11,985.22	156.790	9.4547	106	0.011	0.02	0.009	0.9947
52	1,046.634	10,838.82	151.685	9.3559	107	0.006	0.01	0.005	0.9099
53	955.074	9,792.19	146.545	9.2528	108	0.003	0.01	0.002	0.8278
54	871.041	8,837.12	141.371	9.1455	109	0.001	0.00	0.001	0.7485

**Table 4.J. -- Actuarial Functions at 10.0 Percent Interest for 1989-91 United States
Total White Population**

x	D_x	N_x	M_x	a_x	x	D_x	N_x	M_x	a_x
0	100,000.000	1,086,430.77	1,233.566	9.8643	55	480.448	4,494.96	71.815	8.3558
1	90,211.818	986,430.77	536.293	9.9346	56	433.659	4,014.51	68.704	8.2573
2	81,959.504	896,218.96	485.054	9.9349	57	391.158	3,580.85	65.627	8.1545
3	74,476.334	814,259.45	452.747	9.9331	58	352.543	3,189.69	62.571	8.0477
4	67,683.218	739,783.12	430.208	9.9301	59	317.440	2,837.15	59.518	7.9376
5	61,513.434	672,099.90	413.443	9.9261	60	285.544	2,519.71	56.480	7.8242
6	55,907.756	610,586.47	399.895	9.9213	61	256.588	2,234.16	53.482	7.7072
7	50,813.943	554,678.71	388.606	9.9159	62	230.328	1,977.58	50.548	7.5859
8	46,184.697	503,864.77	378.809	9.9098	63	206.524	1,747.25	47.683	7.4603
9	41,978.030	457,680.07	370.751	9.9028	64	184.959	1,540.72	44.893	7.3301
10	38,155.677	415,702.04	364.583	9.8949	65	165.432	1,355.77	42.181	7.1953
11	34,681.722	377,546.36	359.325	9.8860	66	147.766	1,190.33	39.554	7.0555
12	31,523.740	342,864.64	354.227	9.8764	67	131.801	1,042.57	37.022	6.9102
13	28,652.152	311,340.90	348.434	9.8662	68	117.380	910.77	34.583	6.7591
14	26,039.774	282,688.75	340.797	9.8560	69	104.347	793.39	32.221	6.6034
15	23,662.228	256,648.97	330.503	9.8464	70	92.569	689.04	29.929	6.4435
16	21,498.494	232,986.75	317.881	9.8374	71	81.925	596.47	27.700	6.2807
17	19,530.039	211,488.25	303.834	9.8289	72	72.317	514.55	25.540	6.1151
18	17,740.012	191,958.21	289.265	9.8206	73	63.657	442.23	23.454	5.9471
19	16,112.895	174,218.20	274.877	9.8123	74	55.868	378.57	21.452	5.7762
20	14,634.708	158,105.31	261.499	9.8034	75	48.884	322.70	19.547	5.6015
21	13,291.848	143,470.60	249.067	9.7939	76	42.637	273.82	17.744	5.4221
22	12,071.828	130,178.75	237.396	9.7837	77	37.060	231.18	16.043	5.2381
23	10,963.445	118,106.92	226.452	9.7728	78	32.088	194.12	14.440	5.0498
24	9,956.818	107,143.48	216.502	9.7608	79	27.658	162.04	12.928	4.8585
25	9,042.424	97,186.66	207.273	9.7479	80	23.718	134.38	11.501	4.6657
26	8,211.994	88,144.23	198.882	9.7336	81	20.218	110.66	10.158	4.4732
27	7,457.822	79,932.24	191.254	9.7179	82	17.124	90.44	8.902	4.2817
28	6,772.696	72,474.42	184.112	9.7010	83	14.401	73.32	7.736	4.0912
29	6,150.314	65,701.72	177.430	9.6827	84	12.022	58.92	6.666	3.9007
30	5,584.776	59,551.41	171.011	9.6632	85	9.958	46.89	5.694	3.7094
31	5,070.973	53,966.63	164.916	9.6423	86	8.173	36.94	4.815	3.5194
32	4,604.150	48,895.66	159.090	9.6199	87	6.638	28.76	4.023	3.3333
33	4,180.080	44,291.51	153.579	9.5959	88	5.329	22.13	3.318	3.1519
34	3,794.827	40,111.43	148.334	9.5700	89	4.226	16.80	2.699	2.9744
35	3,444.897	36,316.60	143.388	9.5421	90	3.307	12.57	2.164	2.8011
36	3,126.969	32,871.71	138.632	9.5123	91	2.549	9.26	1.707	2.6345
37	2,838.200	29,744.74	134.133	9.4801	92	1.930	6.71	1.320	2.4790
38	2,575.851	26,906.54	129.802	9.4457	93	1.435	4.78	1.000	2.3349
39	2,337.551	24,330.69	125.670	9.4086	94	1.047	3.35	0.743	2.1994
40	2,121.113	21,993.13	121.737	9.3687	95	0.750	2.30	0.540	2.0713
41	1,924.508	19,872.02	117.961	9.3258	96	0.527	1.55	0.385	1.9498
42	1,745.919	17,947.51	114.327	9.2797	97	0.362	1.03	0.268	1.8375
43	1,583.697	16,201.59	110.825	9.2302	98	0.243	0.66	0.183	1.7317
44	1,436.314	14,617.90	107.414	9.1774	99	0.160	0.42	0.122	1.6289
45	1,302.392	13,181.58	104.066	9.1211	100	0.103	0.26	0.080	1.5284
46	1,180.663	11,879.19	100.736	9.0615	101	0.065	0.16	0.051	1.4304
47	1,070.019	10,698.53	97.426	8.9984	102	0.040	0.09	0.031	1.3348
48	969.446	9,628.51	94.127	8.9320	103	0.024	0.05	0.019	1.2418
49	878.045	8,659.06	90.857	8.8618	104	0.014	0.03	0.011	1.1514
50	795.002	7,781.02	87.637	8.7874	105	0.008	0.02	0.006	1.0635
51	719.547	6,986.02	84.454	8.7089	106	0.004	0.01	0.003	0.9781
52	650.958	6,266.47	81.279	8.6265	107	0.002	0.00	0.002	0.8954
53	588.612	5,615.51	78.111	8.5403	108	0.001	0.00	0.001	0.8151
54	531.943	5,026.90	74.952	8.4501	109	0.000	0.00	0.000	0.7375

**Table 4.K. -- Actuarial Functions at 11.0 Percent Interest for 1989-91 United States
Total White Population**

x	D_x	N_x	M_x	a_x	x	D_x	N_x	M_x	a_x
0	100,000.000	997,749.60	1,123.913	8.9775	55	292.065	2,559.74	38.398	7.7643
1	89,399.099	897,749.60	432.922	9.0420	56	261.248	2,267.67	36.523	7.6802
2	80,489.408	808,350.50	382.602	9.0429	57	233.521	2,006.42	34.686	7.5921
3	72,481.539	727,861.10	351.160	9.0420	58	208.571	1,772.90	32.878	7.5002
4	65,276.946	655,379.56	329.422	9.0400	59	186.112	1,564.33	31.088	7.4053
5	58,792.036	590,102.61	313.399	9.0371	60	165.904	1,378.22	29.323	7.3074
6	52,952.967	531,310.57	300.568	9.0336	61	147.737	1,212.32	27.597	7.2059
7	47,694.779	478,357.61	289.971	9.0296	62	131.422	1,064.58	25.923	7.1005
8	42,959.157	430,662.83	280.859	9.0249	63	116.778	933.16	24.303	6.9908
9	38,694.516	387,703.67	273.431	9.0196	64	103.642	816.38	22.740	6.8769
10	34,854.289	349,009.16	267.796	9.0134	65	91.865	712.74	21.233	6.7585
11	31,395.501	314,154.87	263.037	9.0064	66	81.316	620.87	19.788	6.6353
12	28,279.662	282,759.36	258.464	8.9987	67	71.877	539.56	18.407	6.5067
13	25,472.023	254,479.70	253.313	8.9906	68	63.436	467.68	17.089	6.3725
14	22,941.040	229,007.68	246.585	8.9824	69	55.884	404.24	15.824	6.2336
15	20,658.617	206,066.64	237.598	8.9749	70	49.130	348.36	14.608	6.0906
16	18,600.445	185,408.02	226.677	8.9679	71	43.089	299.23	13.435	5.9445
17	16,745.114	166,807.58	214.633	8.9616	72	37.693	256.14	12.310	5.7955
18	15,073.310	150,062.46	202.255	8.9555	73	32.880	218.45	11.232	5.6438
19	13,567.443	134,989.15	190.139	8.9495	74	28.597	185.57	10.207	5.4891
20	12,211.758	121,421.71	178.976	8.9430	75	24.797	156.97	9.241	5.3304
21	10,991.304	109,209.95	168.696	8.9360	76	21.433	132.17	8.335	5.1668
22	9,892.512	98,218.65	159.132	8.9286	77	18.462	110.74	7.487	4.9984
23	8,903.285	88,326.14	150.244	8.9206	78	15.841	92.28	6.696	4.8255
24	8,012.970	79,422.85	142.237	8.9118	79	13.531	76.44	5.956	4.6491
25	7,211.531	71,409.88	134.877	8.9022	80	11.499	62.91	5.264	4.4709
26	6,490.244	64,198.35	128.245	8.8915	81	9.714	51.41	4.619	4.2924
27	5,841.092	57,708.11	122.271	8.8797	82	8.153	41.70	4.021	4.1142
28	5,256.702	51,867.01	116.727	8.8668	83	6.795	33.54	3.471	3.9365
29	4,730.628	46,610.31	111.588	8.8529	84	5.621	26.75	2.971	3.7583
30	4,256.934	41,879.68	106.695	8.8380	85	4.614	21.13	2.520	3.5787
31	3,830.471	37,622.75	102.091	8.8220	86	3.753	16.51	2.117	3.3998
32	3,446.514	33,792.28	97.730	8.8048	87	3.021	12.76	1.756	3.2241
33	3,100.879	30,345.76	93.642	8.7862	88	2.403	9.74	1.438	3.0524
34	2,789.729	27,244.89	89.786	8.7661	89	1.889	7.34	1.162	2.8840
35	2,509.666	24,455.16	86.182	8.7444	90	1.465	5.45	0.925	2.7190
36	2,257.527	21,945.49	82.749	8.7210	91	1.119	3.98	0.724	2.5600
37	2,030.589	19,687.96	79.530	8.6957	92	0.839	2.86	0.556	2.4114
38	1,826.289	17,657.37	76.459	8.6684	93	0.618	2.02	0.418	2.2735
39	1,642.402	15,831.08	73.556	8.6390	94	0.447	1.41	0.308	2.1435
40	1,476.903	14,188.68	70.818	8.6070	95	0.317	0.96	0.222	2.0205
41	1,327.938	12,711.78	68.212	8.5726	96	0.221	0.64	0.157	1.9036
42	1,193.856	11,383.84	65.727	8.5354	97	0.150	0.42	0.109	1.7954
43	1,073.172	10,189.98	63.354	8.4952	98	0.100	0.27	0.073	1.6935
44	964.531	9,116.81	61.064	8.4521	99	0.065	0.17	0.049	1.5941
45	866.720	8,152.28	58.836	8.4059	100	0.042	0.10	0.031	1.4969
46	778.632	7,285.56	56.640	8.3569	101	0.026	0.06	0.020	1.4020
47	699.307	6,506.93	54.476	8.3048	102	0.016	0.04	0.012	1.3093
48	627.870	5,807.62	52.340	8.2497	103	0.009	0.02	0.007	1.2190
49	563.550	5,179.75	50.241	8.1913	104	0.005	0.01	0.004	1.1310
50	505.654	4,616.20	48.193	8.1292	105	0.003	0.01	0.002	1.0454
51	453.538	4,110.55	46.187	8.0633	106	0.002	0.00	0.001	0.9621
52	406.610	3,657.01	44.203	7.9939	107	0.001	0.00	0.001	0.8813
53	364.354	3,250.40	42.242	7.9210	108	0.000	0.00	0.000	0.8028
54	326.309	2,886.05	40.304	7.8445	109	0.000	0.00	0.000	0.7268

**Table 4.L. -- Actuarial Functions at 12.0 Percent Interest for 1989-91 United States
Total White Population**

x	D_x	N_x	M_x	a_x	x	D_x	N_x	M_x	a_x
0	100,000.000	923,566.08	1,046.491	8.2357	55	178.341	1,470.39	20.800	7.2448
1	88,600.893	823,566.08	361.670	8.2952	56	158.099	1,292.04	19.666	7.1724
2	79,058.514	734,965.19	312.244	8.2965	57	140.058	1,133.95	18.564	7.0962
3	70,557.352	655,906.67	281.637	8.2961	58	123.977	993.89	17.489	7.0167
4	62,976.664	585,349.32	260.665	8.2947	59	109.640	869.91	16.435	6.9343
5	56,213.844	522,372.66	245.345	8.2926	60	96.862	760.27	15.404	6.8490
6	50,178.773	466,158.81	233.186	8.2900	61	85.485	663.41	14.406	6.7605
7	44,792.524	415,980.04	223.234	8.2868	62	75.366	577.92	13.446	6.6682
8	39,984.843	371,187.52	214.752	8.2832	63	66.370	502.56	12.525	6.5720
9	35,693.901	331,202.67	207.901	8.2790	64	58.379	436.19	11.644	6.4717
10	31,864.403	295,508.77	202.749	8.2739	65	51.283	377.81	10.803	6.3671
11	28,446.048	263,644.37	198.437	8.2682	66	44.989	326.53	10.004	6.2580
12	25,394.150	235,198.32	194.330	8.2619	67	39.411	281.54	9.247	6.1435
13	22,668.765	209,804.17	189.747	8.2552	68	34.472	242.13	8.530	6.0237
14	20,234.035	187,135.41	183.813	8.2485	69	30.098	207.65	7.849	5.8993
15	18,058.247	166,901.37	175.957	8.2424	70	26.224	177.56	7.200	5.7708
16	16,113.973	148,843.12	166.496	8.2369	71	22.794	151.33	6.580	5.6392
17	14,377.135	132,729.15	156.155	8.2320	72	19.761	128.54	5.989	5.5045
18	12,826.195	118,352.02	145.622	8.2274	73	17.084	108.78	5.430	5.3671
19	11,441.742	105,525.82	135.404	8.2229	74	14.726	91.69	4.902	5.2266
20	10,206.511	94,084.08	126.074	8.2180	75	12.655	76.97	4.409	5.0819
21	9,104.441	83,877.57	117.559	8.2128	76	10.841	64.31	3.950	4.9323
22	8,121.114	74,773.13	109.708	8.2072	77	9.255	53.47	3.526	4.7778
23	7,243.764	66,652.01	102.477	8.2013	78	7.870	44.22	3.132	4.6185
24	6,461.190	59,408.25	96.020	8.1946	79	6.662	36.35	2.768	4.4555
25	5,763.037	52,947.06	90.138	8.1874	80	5.611	29.68	2.431	4.2903
26	5,140.317	47,184.02	84.886	8.1792	81	4.698	24.07	2.119	4.1243
27	4,584.879	42,043.70	80.196	8.1701	82	3.908	19.38	1.832	3.9582
28	4,089.330	37,458.83	75.884	8.1601	83	3.228	15.47	1.570	3.7921
29	3,647.224	33,369.50	71.921	8.1493	84	2.646	12.24	1.335	3.6251
30	3,252.712	29,722.27	68.183	8.1377	85	2.153	9.59	1.125	3.4562
31	2,900.720	26,469.56	64.696	8.1252	86	1.735	7.44	0.938	3.2875
32	2,586.656	23,568.84	61.423	8.1117	87	1.384	5.71	0.773	3.1213
33	2,306.473	20,982.18	58.382	8.0971	88	1.092	4.32	0.629	2.9586
34	2,056.509	18,675.71	55.540	8.0813	89	0.850	3.23	0.504	2.7985
35	1,833.536	16,619.20	52.907	8.0640	90	0.653	2.38	0.398	2.6412
36	1,634.600	14,785.67	50.421	8.0454	91	0.495	1.73	0.310	2.4894
37	1,457.154	13,151.07	48.111	8.0252	92	0.368	1.23	0.236	2.3472
38	1,298.847	11,693.91	45.927	8.0033	93	0.269	0.86	0.176	2.2150
39	1,157.638	10,395.06	43.881	7.9795	94	0.192	0.59	0.129	2.0902
40	1,031.693	9,237.43	41.968	7.9537	95	0.135	0.40	0.092	1.9719
41	919.350	8,205.73	40.164	7.9256	96	0.093	0.27	0.065	1.8594
42	819.144	7,286.38	38.460	7.8951	97	0.063	0.17	0.044	1.7551
43	729.764	6,467.24	36.846	7.8621	98	0.042	0.11	0.030	1.6568
44	650.032	5,737.48	35.302	7.8265	99	0.027	0.07	0.020	1.5607
45	578.897	5,087.44	33.814	7.7882	100	0.017	0.04	0.013	1.4667
46	515.419	4,508.55	32.360	7.7473	101	0.011	0.02	0.008	1.3747
47	458.776	3,993.13	30.941	7.7039	102	0.006	0.01	0.005	1.2847
48	408.232	3,534.35	29.552	7.6577	103	0.004	0.01	0.003	1.1969
49	363.141	3,126.12	28.199	7.6086	104	0.002	0.00	0.002	1.1113
50	322.925	2,762.98	26.891	7.5561	105	0.001	0.00	0.001	1.0278
51	287.056	2,440.05	25.622	7.5003	106	0.001	0.00	0.000	0.9466
52	255.056	2,153.00	24.378	7.4413	107	0.000	0.00	0.000	0.8676
53	226.509	1,897.94	23.159	7.3791	108	0.000	0.00	0.000	0.7909
54	201.046	1,671.43	21.964	7.3137	109	0.000	0.00	0.000	0.7164

**Table 5.A. -- Actuarial Functions at 1.0 Percent Interest for 1989-91 United States
White Males**

x	D_x	N_x	M_x	a_x	x	D_x	N_x	M_x	a_x
0	100,000.000	5,146,775.46	49,041.827	50.4678	55	50,923.199	1,032,736.39	40,698.086	19.2803
1	98,156.436	5,046,775.46	48,188.362	50.4156	56	49,958.477	981,813.19	40,237.555	18.6526
2	97,119.890	4,948,619.03	48,123.662	49.9537	57	48,967.601	931,854.71	39,741.317	18.0300
3	96,111.719	4,851,499.14	48,077.074	49.4777	58	47,945.405	882,887.11	39,203.948	17.4144
4	95,124.561	4,755,387.42	48,041.518	48.9912	59	46,885.834	834,941.70	38,619.085	16.8080
5	94,153.239	4,660,262.86	48,012.022	48.4966	60	45,787.500	788,055.87	37,984.967	16.2112
6	93,195.593	4,566,109.62	47,986.587	47.9949	61	44,652.909	742,268.37	37,303.717	15.6231
7	92,248.614	4,472,914.02	47,962.336	47.4876	62	43,485.034	697,615.46	36,577.950	15.0427
8	91,313.098	4,380,665.41	47,940.173	46.9741	63	42,285.153	654,130.43	35,808.614	14.4695
9	90,388.892	4,289,352.31	47,920.057	46.4544	64	41,051.344	611,845.27	34,993.470	13.9044
10	89,477.657	4,198,963.42	47,903.762	45.9275	65	39,783.876	570,793.93	34,132.451	13.3474
11	88,577.399	4,109,485.76	47,889.421	45.3943	66	38,485.109	531,010.05	33,227.584	12.7978
12	87,685.308	4,020,908.36	47,874.334	44.8561	67	37,158.360	492,524.94	32,281.875	12.2548
13	86,796.928	3,933,223.06	47,854.125	44.3152	68	35,801.243	455,366.59	31,292.663	11.7193
14	85,904.493	3,846,426.13	47,821.066	43.7756	69	34,409.478	419,565.34	30,255.366	11.1933
15	85,003.134	3,760,521.64	47,770.247	43.2398	70	32,978.976	385,155.86	29,165.551	10.6788
16	84,093.293	3,675,518.50	47,702.021	42.7076	71	31,506.820	352,176.89	28,019.920	10.1778
17	83,176.249	3,591,425.21	47,617.583	42.1785	72	29,994.637	320,670.07	26,819.685	9.6909
18	82,255.744	3,508,248.96	47,520.605	41.6505	73	28,445.949	290,675.43	25,567.975	9.2185
19	81,337.035	3,425,993.22	47,416.310	41.1210	74	26,868.961	262,229.48	24,272.629	8.7596
20	80,425.177	3,344,656.18	47,309.769	40.5872	75	25,274.895	235,360.52	22,944.593	8.3120
21	79,520.968	3,264,231.00	47,201.849	40.0487	76	23,669.858	210,085.63	21,589.803	7.8757
22	78,621.960	3,184,710.04	47,090.177	39.5066	77	22,058.804	186,415.77	20,213.103	7.4509
23	77,730.572	3,106,088.08	46,977.224	38.9597	78	20,448.799	164,356.97	18,821.502	7.0375
24	76,847.552	3,028,357.50	46,863.815	38.4073	79	18,845.276	143,908.17	17,420.443	6.6363
25	75,972.839	2,951,509.95	46,749.969	37.8495	80	17,253.006	125,062.89	16,014.759	6.2488
26	75,107.142	2,875,537.11	46,636.478	37.2858	81	15,673.445	107,809.88	14,606.021	5.8785
27	74,249.611	2,800,429.97	46,522.581	36.7164	82	14,114.185	92,136.44	13,201.943	5.5279
28	73,400.184	2,726,180.36	46,408.299	36.1413	83	12,592.146	78,022.25	11,819.649	5.1961
29	72,555.803	2,652,780.18	46,290.652	35.5619	84	11,131.810	65,430.11	10,483.987	4.8778
30	71,715.753	2,580,224.37	46,168.977	34.9785	85	9,751.952	54,298.30	9,214.345	4.5679
31	70,879.349	2,508,508.62	46,042.630	34.3912	86	8,454.423	44,546.35	8,013.370	4.2690
32	70,047.386	2,437,629.27	45,912.442	33.7997	87	7,238.856	36,091.92	6,881.510	3.9859
33	69,219.908	2,367,581.89	45,778.503	33.2038	88	6,114.019	28,853.07	5,828.345	3.7192
34	68,396.959	2,298,361.98	45,640.899	32.6033	89	5,089.118	22,739.05	4,863.979	3.4682
35	67,577.872	2,229,965.02	45,499.011	31.9984	90	4,171.308	17,649.93	3,996.556	3.2313
36	66,762.010	2,162,387.15	45,352.236	31.3895	91	3,360.938	13,478.62	3,227.486	3.0104
37	65,948.759	2,095,625.14	45,199.995	30.7766	92	2,657.085	10,117.68	2,556.910	2.8078
38	65,139.586	2,029,676.38	45,043.780	30.1589	93	2,058.007	7,460.60	1,984.140	2.6252
39	64,333.188	1,964,536.79	44,882.328	29.5369	94	1,561.190	5,402.59	1,507.699	2.4606
40	63,530.327	1,900,203.60	44,716.430	28.9102	95	1,161.048	3,841.40	1,123.014	2.3086
41	62,730.408	1,836,673.28	44,545.524	28.2788	96	846.887	2,680.36	820.348	2.1650
42	61,933.517	1,773,942.87	44,369.726	27.6427	97	604.442	1,833.47	586.289	2.0333
43	61,137.130	1,712,009.35	44,186.543	27.0028	98	422.517	1,229.03	410.349	1.9088
44	60,340.115	1,650,872.22	43,994.845	26.3594	99	289.198	806.51	281.213	1.7888
45	59,538.829	1,590,532.11	43,790.987	25.7142	100	193.525	517.31	188.403	1.6731
46	58,731.045	1,530,993.28	43,572.696	25.0679	101	126.399	323.79	123.193	1.5616
47	57,913.999	1,472,262.23	43,337.146	24.4215	102	80.426	197.39	78.472	1.4543
48	57,088.147	1,414,348.23	43,084.700	23.7748	103	49.751	116.96	48.593	1.3509
49	56,252.092	1,357,260.09	42,813.873	23.1282	104	29.852	67.21	29.186	1.2515
50	55,406.930	1,301,007.99	42,525.663	22.4810	105	17.329	37.36	16.959	1.1558
51	54,548.307	1,245,601.06	42,215.623	21.8348	106	9.705	20.03	9.507	1.0638
52	53,673.836	1,191,052.76	41,881.234	21.1906	107	5.227	10.32	5.124	0.9753
53	52,779.466	1,137,378.92	41,518.288	20.5496	108	2.697	5.10	2.646	0.8903
54	51,863.069	1,084,599.46	41,124.461	19.9128	109	1.327	2.40	1.304	0.8086

**Table 5.B. -- Actuarial Functions at 2.0 Percent Interest for 1989-91 United States
White Males**

x	D_x	N_x	M_x	a_x	x	D_x	N_x	M_x	a_x
0	100,000.000	3,816,745.36	25,161.856	37.1675	55	29,619.777	533,461.22	19,159.753	17.0103
1	97,194.118	3,716,745.36	24,316.758	37.2404	56	28,773.753	503,841.44	18,894.509	16.5105
2	95,224.913	3,619,551.24	24,253.321	37.0105	57	27,926.554	475,067.69	18,611.501	16.0113
3	93,312.527	3,524,326.33	24,208.089	36.7691	58	27,075.514	447,141.13	18,308.041	15.5146
4	91,448.687	3,431,013.80	24,173.907	36.5185	59	26,217.578	420,065.62	17,980.997	15.0223
5	89,627.498	3,339,565.11	24,145.829	36.2605	60	25,352.398	393,848.04	17,629.888	14.5349
6	87,846.121	3,249,937.62	24,121.854	35.9958	61	24,481.785	368,495.64	17,256.380	14.0518
7	86,101.013	3,162,091.49	24,099.219	35.7254	62	23,607.736	344,013.86	16,862.366	13.5721
8	84,392.274	3,075,990.48	24,078.736	35.4487	63	22,731.267	320,406.12	16,448.794	13.0954
9	82,719.115	2,991,598.21	24,060.327	35.1657	64	21,851.654	297,674.86	16,014.892	12.6225
10	81,082.406	2,908,879.09	24,045.561	34.8756	65	20,969.362	275,823.20	15,561.064	12.1536
11	79,479.686	2,827,796.69	24,032.692	34.5789	66	20,085.935	254,853.84	15,088.801	11.6882
12	77,907.857	2,748,317.00	24,019.288	34.2765	67	19,203.353	234,767.91	14,600.061	11.2254
13	76,362.472	2,670,409.14	24,001.508	33.9702	68	18,320.606	215,564.55	14,093.850	10.7662
14	74,836.369	2,594,046.67	23,972.709	33.6629	69	17,435.766	197,243.95	13,568.237	10.3126
15	73,325.152	2,519,210.30	23,928.871	33.3567	70	16,547.078	179,808.18	13,021.427	9.8665
16	71,829.128	2,445,885.15	23,870.596	33.0514	71	15,653.445	163,261.10	12,452.246	9.4297
17	70,349.297	2,374,056.02	23,799.179	32.7467	72	14,756.051	147,607.66	11,861.783	9.0032
18	68,888.681	2,303,706.72	23,717.961	32.4410	73	13,856.967	132,851.61	11,252.033	8.5874
19	67,451.432	2,234,818.04	23,631.471	32.1323	74	12,960.442	118,994.64	10,627.214	8.1814
20	66,041.369	2,167,366.61	23,543.984	31.8183	75	12,072.008	106,034.20	9,992.906	7.7835
21	64,658.690	2,101,325.24	23,456.234	31.4987	76	11,194.560	93,962.19	9,352.164	7.3936
22	63,300.962	2,036,666.55	23,366.323	31.1743	77	10,330.337	82,767.63	8,707.443	7.0121
23	61,969.716	1,973,365.59	23,276.273	30.8440	78	9,482.472	72,437.29	8,062.133	6.6391
24	60,665.096	1,911,395.87	23,186.745	30.5073	79	8,653.214	62,954.82	7,418.806	6.2753
25	59,386.593	1,850,730.78	23,097.754	30.1641	80	7,844.422	54,301.61	6,779.684	5.9223
26	58,134.306	1,791,344.19	23,009.910	29.8139	81	7,056.378	46,457.19	6,145.453	5.5837
27	56,907.124	1,733,209.88	22,922.616	29.4568	82	6,292.082	39,400.81	5,519.517	5.2620
28	55,704.567	1,676,302.76	22,835.886	29.0927	83	5,558.525	33,108.73	4,909.334	4.9564
29	54,523.912	1,620,598.19	22,747.477	28.7227	84	4,865.716	27,550.20	4,325.516	4.6621
30	53,364.276	1,566,074.28	22,656.938	28.3469	85	4,220.790	22,684.48	3,775.996	4.3745
31	52,224.824	1,512,710.00	22,563.843	27.9653	86	3,623.325	18,463.70	3,261.292	4.0958
32	51,105.824	1,460,485.18	22,468.860	27.5777	87	3,071.952	14,840.37	2,780.965	3.8309
33	50,006.987	1,409,379.35	22,372.097	27.1836	88	2,569.168	11,768.42	2,338.415	3.5806
34	48,928.022	1,359,372.37	22,273.662	26.7831	89	2,117.530	9,199.25	1,937.152	3.3443
35	47,868.143	1,310,444.34	22,173.156	26.3761	90	1,718.622	7,081.72	1,579.765	3.1206
36	46,826.606	1,262,576.20	22,070.209	25.9628	91	1,371.166	5,363.10	1,266.007	2.9113
37	45,802.702	1,215,749.60	21,964.475	25.5432	92	1,073.386	3,991.93	995.113	2.7190
38	44,797.180	1,169,946.89	21,857.044	25.1165	93	823.225	2,918.55	765.999	2.5453
39	43,808.860	1,125,149.71	21,747.101	24.6832	94	618.370	2,095.32	577.286	2.3885
40	42,837.999	1,081,340.85	21,635.237	24.2426	95	455.370	1,476.95	426.410	2.2434
41	41,883.927	1,038,502.86	21,521.126	23.7948	96	328.898	1,021.58	308.867	2.1061
42	40,946.448	996,618.93	21,404.900	23.3396	97	232.440	692.68	218.858	1.9800
43	40,023.654	955,672.48	21,284.978	22.8777	98	160.887	460.24	151.863	1.8606
44	39,114.611	915,648.83	21,160.713	22.4094	99	109.042	299.35	103.173	1.7453
45	38,216.805	876,534.22	21,029.860	21.9358	100	72.253	190.31	68.522	1.6340
46	37,328.713	838,317.41	20,891.117	21.4577	101	46.729	118.06	44.414	1.5265
47	36,448.533	800,988.70	20,742.872	20.9759	102	29.441	71.33	28.043	1.4228
48	35,576.535	764,540.16	20,585.551	20.4900	103	18.034	41.89	17.212	1.3228
49	34,711.835	728,963.63	20,418.431	20.0004	104	10.715	23.86	10.247	1.2264
50	33,855.107	694,251.79	20,242.326	19.5066	105	6.159	13.14	5.901	1.1336
51	33,003.696	660,396.69	20,054.741	19.0098	106	3.415	6.98	3.279	1.0441
52	32,156.231	627,392.99	19,854.408	18.5108	107	1.821	3.57	1.751	0.9580
53	31,310.406	595,236.76	19,639.097	18.0108	108	0.931	1.74	0.896	0.8751
54	30,465.136	563,926.35	19,407.757	17.5105	109	0.454	0.81	0.438	0.7954

**Table 5.C. -- Actuarial Functions at 3.0 Percent Interest for 1989-91 United States
White Males**

x	D_x	N_x	M_x	a_x	x	D_x	N_x	M_x	a_x
0	100,000.000	2,964,727.46	13,648.715	28.6473	55	17,319.840	279,465.97	9,180.054	15.1356
1	96,250.485	2,864,727.46	12,811.821	28.7633	56	16,661.786	262,146.13	9,026.461	14.7334
2	93,384.862	2,768,476.98	12,749.610	28.6459	57	16,014.203	245,484.35	8,864.173	14.3292
3	90,620.988	2,675,092.12	12,705.683	28.5196	58	15,375.443	229,470.14	8,691.846	13.9245
4	87,948.667	2,584,471.13	12,672.809	28.3861	59	14,743.699	214,094.70	8,507.931	13.5211
5	85,360.315	2,496,522.46	12,646.068	28.2469	60	14,118.738	199,351.00	8,312.398	13.1196
6	82,851.480	2,411,162.15	12,623.456	28.1022	61	13,501.526	185,232.27	8,106.411	12.7194
7	80,417.190	2,328,310.67	12,602.316	27.9529	62	12,893.091	171,730.74	7,891.225	12.3196
8	78,055.996	2,247,893.48	12,583.370	27.7985	63	12,293.889	158,837.65	7,667.550	11.9200
9	75,765.659	2,169,837.48	12,566.509	27.6388	64	11,703.423	146,543.76	7,435.159	11.5214
10	73,545.498	2,094,071.82	12,553.115	27.4731	65	11,121.844	134,840.34	7,194.455	11.1239
11	71,391.838	2,020,526.32	12,541.557	27.3019	66	10,549.857	123,718.49	6,946.406	10.7270
12	69,300.540	1,949,134.49	12,529.633	27.1258	67	9,988.368	113,168.64	6,692.194	10.3300
13	67,266.416	1,879,833.94	12,513.971	26.9461	68	9,436.702	103,180.27	6,431.452	9.9339
14	65,282.078	1,812,567.53	12,488.849	26.7652	69	8,893.739	93,743.57	6,163.344	9.5404
15	63,342.788	1,747,285.45	12,450.979	26.5846	70	8,358.486	84,849.83	5,887.131	9.1513
16	61,447.999	1,683,942.66	12,401.126	26.4044	71	7,830.314	76,491.34	5,602.411	8.7686
17	59,597.750	1,622,494.66	12,340.624	26.2241	72	7,309.747	68,661.03	5,309.911	8.3931
18	57,793.755	1,562,896.91	12,272.486	26.0427	73	6,797.721	61,351.28	5,010.790	8.0253
19	56,038.586	1,505,103.16	12,200.630	25.8583	74	6,296.191	54,553.56	4,707.252	7.6645
20	54,334.416	1,449,064.57	12,128.652	25.6694	75	5,807.651	48,257.37	4,402.097	7.3093
21	52,680.367	1,394,730.16	12,057.158	25.4753	76	5,333.238	42,449.72	4,096.839	6.9595
22	51,073.444	1,342,049.79	11,984.615	25.2769	77	4,873.730	37,116.48	3,792.667	6.6156
23	49,513.918	1,290,976.34	11,912.665	25.0730	78	4,430.283	32,242.75	3,491.173	6.2778
24	48,000.926	1,241,462.43	11,841.826	24.8633	79	4,003.596	27,812.47	3,193.524	5.9469
25	46,533.111	1,193,461.50	11,772.096	24.6476	80	3,594.154	23,808.87	2,900.692	5.6243
26	45,109.614	1,146,928.39	11,703.933	24.4254	81	3,201.699	20,214.72	2,612.921	5.3137
27	43,728.664	1,101,818.78	11,636.855	24.1967	82	2,827.197	17,013.02	2,331.672	5.0176
28	42,389.015	1,058,090.11	11,570.856	23.9614	83	2,473.342	14,185.82	2,060.163	4.7355
29	41,087.761	1,015,701.10	11,504.234	23.7203	84	2,144.047	11,712.48	1,802.907	4.4628
30	39,823.464	974,613.34	11,436.668	23.4733	85	1,841.807	9,568.43	1,563.115	4.1951
31	38,594.760	934,789.87	11,367.870	23.2206	86	1,565.744	7,726.62	1,340.697	3.9348
32	37,401.128	896,195.11	11,298.358	22.9617	87	1,314.592	6,160.88	1,135.149	3.6865
33	36,241.648	858,793.98	11,228.231	22.6963	88	1,088.759	4,846.29	947.605	3.4512
34	35,115.419	822,552.34	11,157.584	22.4242	89	888.652	3,757.53	779.209	3.2283
35	34,021.208	787,436.92	11,086.152	22.1455	90	714.242	2,868.88	630.683	3.0167
36	32,957.842	753,415.71	11,013.695	21.8600	91	564.310	2,154.63	501.554	2.8182
37	31,924.209	720,457.87	10,939.999	21.5678	92	437.469	1,590.32	391.149	2.6353
38	30,920.226	688,533.66	10,865.848	21.2681	93	332.256	1,152.86	298.678	2.4698
39	29,944.488	657,613.43	10,790.698	20.9611	94	247.153	820.60	223.252	2.3202
40	28,996.598	627,668.94	10,714.979	20.6463	95	180.237	573.45	163.535	2.1816
41	28,075.547	598,672.35	10,638.488	20.3236	96	128.915	393.21	117.462	2.0501
42	27,180.660	570,596.80	10,561.336	19.9927	97	90.223	264.29	82.525	1.9293
43	26,310.158	543,416.14	10,482.504	19.6542	98	61.843	174.07	56.773	1.8147
44	25,462.948	517,105.98	10,401.609	19.3082	99	41.507	112.23	38.239	1.7038
45	24,636.953	491,643.03	10,317.253	18.9555	100	27.237	70.72	25.177	1.5965
46	23,830.798	467,006.08	10,228.679	18.5967	101	17.444	43.48	16.177	1.4928
47	23,042.976	443,175.28	10,134.958	18.2326	102	10.884	26.04	10.125	1.3926
48	22,273.328	420,132.31	10,036.464	17.8626	103	6.602	15.16	6.160	1.2958
49	21,520.977	397,858.98	9,932.851	17.4870	104	3.884	8.55	3.635	1.2023
50	20,786.030	376,338.00	9,824.729	17.1053	105	2.211	4.67	2.075	1.1121
51	20,066.558	355,551.97	9,710.675	16.7186	106	1.214	2.46	1.143	1.0251
52	19,361.473	335,485.41	9,590.053	16.3275	107	0.641	1.24	0.605	0.9413
53	18,669.165	316,123.94	9,461.671	15.9329	108	0.324	0.60	0.307	0.8604
54	17,988.803	297,454.78	9,325.072	15.5356	109	0.157	0.28	0.148	0.7825

**Table 5.D. -- Actuarial Functions at 4.0 Percent Interest for 1989-91 United States
White Males**

x	D_x	N_x	M_x	a_x	x	D_x	N_x	M_x	a_x
0	100,000.000	2,394,045.35	7,921.333	22.9405	55	10,180.230	148,355.64	4,474.243	13.5729
1	95,325.000	2,294,045.35	7,092.487	23.0655	56	9,699.272	138,175.41	4,384.833	13.2460
2	91,597.633	2,198,720.35	7,031.466	23.0041	57	9,232.659	128,476.14	4,291.269	12.9154
3	88,031.975	2,107,122.71	6,988.794	22.9359	58	8,779.161	119,243.48	4,192.873	12.5826
4	84,614.502	2,019,090.74	6,957.166	22.8622	59	8,337.497	110,464.32	4,088.869	12.2491
5	81,334.619	1,934,476.23	6,931.687	22.7842	60	7,907.314	102,126.83	3,979.359	11.9155
6	78,185.026	1,853,141.62	6,910.348	22.7020	61	7,488.932	94,219.51	3,865.104	11.5812
7	75,158.151	1,774,956.59	6,890.590	22.6163	62	7,082.685	86,730.58	3,746.894	11.2454
8	72,249.917	1,699,798.44	6,873.054	22.5266	63	6,688.582	79,647.89	3,625.202	10.9080
9	69,455.617	1,627,548.52	6,857.597	22.4329	64	6,306.111	72,959.31	3,499.983	10.5696
10	66,772.087	1,558,092.90	6,845.437	22.3345	65	5,935.118	66,653.20	3,371.533	10.2303
11	64,193.536	1,491,320.82	6,835.043	22.2316	66	5,575.746	60,718.08	3,240.435	9.8897
12	61,713.936	1,427,127.28	6,824.425	22.1249	67	5,228.232	55,142.34	3,107.373	9.5470
13	59,326.510	1,365,413.35	6,810.612	22.0152	68	4,891.977	49,914.11	2,972.204	9.2033
14	57,022.777	1,306,086.84	6,788.668	21.9047	69	4,566.174	45,022.13	2,834.554	8.8599
15	54,796.833	1,249,064.06	6,755.907	21.7945	70	4,250.104	40,455.95	2,694.106	8.5188
16	52,646.550	1,194,267.23	6,713.195	21.6846	71	3,943.256	36,205.85	2,550.724	8.1817
17	50,570.345	1,141,620.68	6,661.857	21.5749	72	3,645.710	32,262.59	2,404.841	7.8495
18	48,568.071	1,091,050.33	6,604.597	21.4644	73	3,357.739	28,616.88	2,257.090	7.5227
19	46,640.263	1,042,482.26	6,544.792	21.3516	74	3,080.104	25,259.14	2,108.599	7.2007
20	44,787.077	995,842.00	6,485.461	21.2350	75	2,813.792	22,179.04	1,960.752	6.8823
21	43,006.132	951,054.92	6,427.096	21.1144	76	2,559.094	19,365.25	1,814.277	6.5672
22	41,293.398	908,048.79	6,368.445	20.9902	77	2,316.118	16,806.15	1,669.727	6.2562
23	39,647.577	866,755.39	6,310.832	20.8615	78	2,085.137	14,490.04	1,527.827	5.9492
24	38,066.493	827,107.81	6,254.654	20.7280	79	1,866.196	12,404.90	1,389.084	5.6472
25	36,547.630	789,041.32	6,199.887	20.5894	80	1,659.234	10,538.70	1,253.899	5.3515
26	35,088.931	752,493.69	6,146.866	20.4453	81	1,463.846	8,879.47	1,122.327	5.0659
27	33,687.681	717,404.76	6,095.190	20.2958	82	1,280.191	7,415.62	994.974	4.7926
28	32,341.646	683,717.08	6,044.835	20.1405	83	1,109.192	6,135.43	873.213	4.5314
29	31,047.394	651,375.43	5,994.493	19.9800	84	952.271	5,026.24	758.954	4.2782
30	29,802.699	620,328.04	5,943.928	19.8145	85	810.167	4,073.97	653.476	4.0286
31	28,605.450	590,525.34	5,892.937	19.6438	86	682.111	3,263.80	556.580	3.7849
32	27,454.215	561,919.89	5,841.912	19.4675	87	567.190	2,581.69	467.895	3.5517
33	26,347.302	534,465.67	5,790.930	19.2854	88	465.237	2,014.50	387.756	3.3301
34	25,283.079	508,118.37	5,740.065	19.0972	89	376.078	1,549.27	316.491	3.1195
35	24,259.716	482,835.29	5,689.128	18.9028	90	299.361	1,173.19	254.238	2.9190
36	23,275.480	458,575.58	5,637.958	18.7021	91	234.246	873.83	200.637	2.7304
37	22,328.724	435,300.10	5,586.412	18.4951	92	179.848	639.58	155.248	2.5562
38	21,418.562	412,971.37	5,535.047	18.2810	93	135.280	459.73	117.598	2.3984
39	20,543.215	391,552.81	5,483.492	18.0600	94	99.662	324.45	87.183	2.2555
40	19,701.644	371,009.60	5,432.044	17.8314	95	71.980	224.79	63.334	2.1230
41	18,892.417	351,307.95	5,380.573	17.5952	96	50.989	152.81	45.112	1.9970
42	18,114.368	332,415.53	5,329.155	17.3509	97	35.342	101.82	31.426	1.8810
43	17,365.630	314,301.17	5,277.123	17.0990	98	23.992	66.48	21.435	1.7709
44	16,644.841	296,935.54	5,224.243	16.8395	99	15.948	42.49	14.314	1.6641
45	15,950.042	280,290.70	5,169.631	16.5730	100	10.364	26.54	9.344	1.5607
46	15,279.787	264,340.65	5,112.839	16.3000	101	6.574	16.18	5.952	1.4605
47	14,632.589	249,060.87	5,053.325	16.0210	102	4.062	9.60	3.693	1.3636
48	14,007.854	234,428.28	4,991.382	15.7355	103	2.440	5.54	2.227	1.2698
49	13,404.554	220,420.42	4,926.845	15.4437	104	1.422	3.10	1.303	1.1791
50	12,822.296	207,015.87	4,860.148	15.1450	105	0.802	1.68	0.737	1.0915
51	12,259.451	194,193.57	4,790.468	14.8403	106	0.436	0.88	0.402	1.0068
52	11,714.950	181,934.12	4,717.483	14.5301	107	0.228	0.44	0.211	0.9251
53	11,187.443	170,219.17	4,640.551	14.2152	108	0.114	0.21	0.106	0.8462
54	10,676.086	159,031.73	4,559.481	13.8961	109	0.055	0.10	0.051	0.7701

**Table 5.E. -- Actuarial Functions at 5.0 Percent Interest for 1989-91 United States
White Males**

x	D_x	N_x	M_x	a_x	x	D_x	N_x	M_x	a_x
0	100,000.000	1,995,606.44	4,971.122	18.9561	55	6,014.227	79,741.44	2,217.015	12.2588
1	94,417.143	1,895,606.44	4,150.170	19.0769	56	5,675.516	73,727.21	2,164.697	11.9904
2	89,861.224	1,801,189.29	4,090.306	19.0441	57	5,351.026	68,051.70	2,110.469	11.7175
3	85,540.654	1,711,328.07	4,048.842	19.0060	58	5,039.731	62,700.67	2,053.984	11.4413
4	81,436.850	1,625,787.41	4,018.402	18.9638	59	4,740.608	57,660.94	1,994.849	11.1632
5	77,534.615	1,544,350.56	3,994.112	18.9182	60	4,453.192	52,920.33	1,933.176	10.8837
6	73,822.343	1,466,815.95	3,973.964	18.8695	61	4,177.402	48,467.14	1,869.443	10.6022
7	70,288.516	1,392,993.61	3,955.487	18.8182	62	3,913.168	44,289.74	1,804.132	10.3181
8	66,925.199	1,322,705.09	3,939.243	18.7639	63	3,660.232	40,376.57	1,737.538	10.0312
9	63,724.104	1,255,779.89	3,925.061	18.7065	64	3,418.064	36,716.34	1,669.667	9.7419
10	60,678.572	1,192,055.79	3,914.011	18.6454	65	3,186.339	33,298.28	1,600.707	9.4503
11	57,779.761	1,131,377.21	3,904.656	18.5809	66	2,964.897	30,111.94	1,530.996	9.1561
12	55,018.878	1,073,597.45	3,895.190	18.5133	67	2,753.630	27,147.04	1,460.914	8.8586
13	52,386.734	1,018,578.58	3,882.992	18.4434	68	2,551.991	24,393.41	1,390.400	8.5586
14	49,872.935	966,191.84	3,863.800	18.3731	69	2,359.344	21,841.42	1,319.276	8.2574
15	47,469.653	916,318.91	3,835.420	18.3033	70	2,175.116	19,482.07	1,247.398	7.9568
16	45,172.545	868,849.25	3,798.771	18.2340	71	1,998.858	17,306.96	1,174.717	7.6584
17	42,977.842	823,676.71	3,755.141	18.1651	72	1,830.429	15,308.10	1,101.472	7.3631
18	40,883.077	780,698.87	3,706.941	18.0959	73	1,669.790	13,477.67	1,027.996	7.0715
19	38,886.402	739,815.79	3,657.078	18.0251	74	1,517.136	11,807.88	954.856	6.7830
20	36,985.673	700,929.39	3,608.083	17.9514	75	1,372.761	10,290.75	882.726	6.4964
21	35,176.711	663,943.72	3,560.343	17.8745	76	1,236.612	8,917.99	811.946	6.2116
22	33,454.112	628,767.01	3,512.826	17.7949	77	1,108.541	7,681.37	742.761	5.9293
23	31,814.828	595,312.89	3,466.595	17.7118	78	988.484	6,572.83	675.492	5.6494
24	30,255.186	563,498.06	3,421.945	17.6248	79	876.267	5,584.35	610.346	5.3729
25	28,771.349	533,242.88	3,378.831	17.5338	80	771.668	4,708.08	547.474	5.1012
26	27,359.942	504,471.53	3,337.489	17.4383	81	674.315	3,936.41	486.866	4.8377
27	26,017.179	477,111.59	3,297.579	17.3383	82	584.098	3,262.10	428.760	4.5848
28	24,739.746	451,094.41	3,259.060	17.2336	83	501.259	2,678.00	373.735	4.3426
29	23,523.520	426,354.66	3,220.918	17.1246	84	426.246	2,176.74	322.591	4.1068
30	22,365.407	402,831.14	3,182.972	17.0113	85	359.185	1,750.50	275.828	3.8735
31	21,262.486	380,465.73	3,145.070	16.8938	86	299.531	1,391.31	233.279	3.6450
32	20,212.420	359,203.25	3,107.504	16.7714	87	246.695	1,091.78	194.706	3.4256
33	19,212.748	338,990.83	3,070.327	16.6441	88	200.424	845.08	160.182	3.2165
34	18,261.117	319,778.08	3,033.589	16.5114	89	160.471	644.66	129.773	3.0173
35	17,355.100	301,516.96	2,997.150	16.3734	90	126.520	484.19	103.463	2.8270
36	16,492.409	284,161.86	2,960.892	16.2299	91	98.057	357.67	81.025	2.6476
37	15,670.880	267,669.46	2,924.716	16.0807	92	74.569	259.61	62.206	2.4815
38	14,888.942	251,998.57	2,889.010	15.9252	93	55.556	185.04	46.744	2.3308
39	14,144.447	237,109.63	2,853.512	15.7634	94	40.539	129.49	34.373	2.1942
40	13,435.817	222,965.19	2,818.427	15.5948	95	29.000	88.95	24.764	2.0672
41	12,761.249	209,529.37	2,783.660	15.4192	96	20.347	59.95	17.492	1.9463
42	12,119.170	196,768.12	2,749.260	15.2361	97	13.969	39.60	12.083	1.8350
43	11,507.587	184,648.95	2,714.780	15.0458	98	9.393	25.63	8.172	1.7291
44	10,924.899	173,141.36	2,680.072	14.8483	99	6.184	16.24	5.411	1.6262
45	10,369.162	162,216.46	2,644.568	14.6441	100	3.981	10.06	3.502	1.5264
46	9,838.823	151,847.30	2,607.999	14.4335	101	2.501	6.08	2.211	1.4296
47	9,332.351	142,008.48	2,570.043	14.2168	102	1.531	3.58	1.360	1.3357
48	8,848.824	132,676.13	2,530.913	13.9936	103	0.911	2.04	0.813	1.2448
49	8,387.071	123,827.30	2,490.533	13.7641	104	0.526	1.13	0.472	1.1568
50	7,946.352	115,440.23	2,449.198	13.5274	105	0.294	0.61	0.265	1.0716
51	7,525.183	107,493.88	2,406.427	13.2846	106	0.158	0.31	0.143	0.9891
52	7,122.468	99,968.70	2,362.054	13.0357	107	0.082	0.16	0.074	0.9095
53	6,736.975	92,846.23	2,315.726	12.7816	108	0.041	0.07	0.037	0.8325
54	6,367.812	86,109.25	2,267.372	12.5226	109	0.019	0.03	0.018	0.7581

**Table 5.F. -- Actuarial Functions at 6.0 Percent Interest for 1989-91 United States
White Males**

x	D_x	N_x	M_x	a_x	x	D_x	N_x	M_x	a_x
0	100,000.000	1,706,755.41	3,391.203	16.0676	55	3,570.826	43,365.69	1,116.164	11.1444
1	93,526.415	1,606,755.41	2,577.995	16.1797	56	3,337.933	39,794.86	1,085.394	10.9220
2	88,173.727	1,513,229.00	2,519.256	16.1619	57	3,117.402	36,456.93	1,053.802	10.6947
3	83,142.460	1,425,055.27	2,478.954	16.1399	58	2,908.349	33,339.53	1,021.206	10.4634
4	78,406.975	1,341,912.81	2,449.646	16.1147	59	2,709.921	30,431.18	987.402	10.2295
5	73,945.680	1,263,505.84	2,426.481	16.0869	60	2,521.607	27,721.26	952.479	9.9935
6	69,741.041	1,189,560.16	2,407.448	16.0568	61	2,343.127	25,199.65	916.731	9.7547
7	65,776.144	1,119,819.12	2,390.156	16.0247	62	2,174.209	22,856.52	880.444	9.5126
8	62,037.908	1,054,042.97	2,375.098	15.9903	63	2,014.489	20,682.31	843.792	9.2668
9	58,513.306	992,005.06	2,362.076	15.9535	64	1,863.459	18,667.82	806.790	9.0178
10	55,191.181	933,491.76	2,352.025	15.9138	65	1,720.740	16,804.37	769.549	8.7658
11	52,058.724	878,300.58	2,343.597	15.8713	66	1,586.048	15,083.63	732.258	8.5102
12	49,103.555	826,241.85	2,335.148	15.8265	67	1,459.135	13,497.58	695.122	8.2504
13	46,313.325	777,138.30	2,324.365	15.7800	68	1,339.531	12,038.44	658.109	7.9871
14	43,675.009	730,824.97	2,307.557	15.7333	69	1,226.728	10,698.91	621.129	7.7215
15	41,178.220	687,149.96	2,282.939	15.6872	70	1,120.270	9,472.18	584.109	7.4553
16	38,815.885	645,971.74	2,251.447	15.6419	71	1,019.778	8,351.91	547.028	7.1899
17	36,581.623	607,155.86	2,214.311	15.5973	72	925.039	7,332.14	510.013	6.9263
18	34,470.326	570,574.24	2,173.671	15.5526	73	835.897	6,407.10	473.231	6.6649
19	32,477.530	536,103.91	2,132.026	15.5069	74	752.313	5,571.20	436.962	6.4054
20	30,598.645	503,626.38	2,091.492	15.4591	75	674.299	4,818.89	401.532	6.1465
21	28,827.524	473,027.73	2,052.369	15.4089	76	601.692	4,144.59	367.093	5.8882
22	27,157.204	444,200.21	2,013.796	15.3566	77	534.289	3,542.90	333.748	5.6311
23	25,582.828	417,043.01	1,976.620	15.3017	78	471.930	3,008.61	301.631	5.3751
24	24,099.179	391,460.18	1,941.056	15.2437	79	414.408	2,536.68	270.822	5.1212
25	22,701.057	367,361.00	1,907.038	15.1826	80	361.498	2,122.27	241.369	4.8708
26	21,383.779	344,659.94	1,874.726	15.1178	81	312.911	1,760.77	213.245	4.6271
27	20,142.479	323,276.16	1,843.828	15.0495	82	268.490	1,447.86	186.535	4.3926
28	18,972.798	303,133.69	1,814.288	14.9773	83	228.237	1,179.37	161.481	4.1673
29	17,869.891	284,160.89	1,785.312	14.9017	84	192.251	951.13	138.413	3.9474
30	16,829.833	266,291.00	1,756.758	14.8226	85	160.476	758.88	117.520	3.7290
31	15,848.950	249,461.16	1,728.506	14.7399	86	132.562	598.41	98.689	3.5142
32	14,924.102	233,612.21	1,700.769	14.6534	87	108.148	465.85	81.780	3.3075
33	14,052.151	218,688.11	1,673.578	14.5626	88	87.035	357.70	66.787	3.1098
34	13,230.129	204,635.96	1,646.961	14.4674	89	69.028	270.66	53.707	2.9211
35	12,455.103	191,405.83	1,620.810	14.3677	90	53.910	201.64	42.497	2.7402
36	11,724.321	178,950.73	1,595.035	14.2632	91	41.388	147.73	33.026	2.5693
37	11,035.206	167,226.41	1,569.560	14.1539	92	31.177	106.34	25.158	2.4108
38	10,385.665	156,191.20	1,544.654	14.0391	93	23.009	75.16	18.754	2.2667
39	9,773.270	145,805.54	1,520.127	13.9188	94	16.631	52.15	13.679	2.1359
40	9,196.052	136,032.27	1,496.113	13.7925	95	11.785	35.52	9.774	2.0142
41	8,651.949	126,836.21	1,472.541	13.6598	96	8.191	23.74	6.847	1.8981
42	8,139.113	118,184.26	1,449.438	13.5205	97	5.570	15.55	4.690	1.7910
43	7,655.471	110,045.15	1,426.500	13.3747	98	3.710	9.98	3.145	1.6891
44	7,199.271	102,389.68	1,403.628	13.2222	99	2.420	6.27	2.065	1.5899
45	6,768.589	95,190.41	1,380.453	13.0636	100	1.543	3.85	1.325	1.4935
46	6,361.816	88,421.82	1,356.808	12.8988	101	0.960	2.30	0.830	1.3998
47	5,977.402	82,060.00	1,332.496	12.7284	102	0.582	1.34	0.506	1.3089
48	5,614.232	76,082.60	1,307.670	12.5517	103	0.343	0.76	0.300	1.2207
49	5,271.068	70,468.37	1,282.292	12.3689	104	0.196	0.42	0.172	1.1352
50	4,946.973	65,197.30	1,256.559	12.1792	105	0.108	0.22	0.096	1.0523
51	4,640.579	60,250.33	1,230.183	11.9834	106	0.058	0.11	0.051	0.9720
52	4,350.800	55,609.75	1,203.078	11.7815	107	0.030	0.06	0.027	0.8943
53	4,076.495	51,258.95	1,175.045	11.5743	108	0.015	0.03	0.013	0.8191
54	3,816.767	47,182.46	1,146.062	11.3619	109	0.007	0.01	0.006	0.7464

**Table 5.G. -- Actuarial Functions at 7.0 Percent Interest for 1989-91 United States
White Males**

x	D_x	N_x	M_x	a_x	x	D_x	N_x	M_x	a_x
0	100,000.000	1,490,237.01	2,507.859	13.9024	55	2,130.509	23,844.61	570.582	10.1920
1	92,652.336	1,390,237.01	1,702.252	14.0049	56	1,972.943	21,714.10	552.395	10.0059
2	86,533.322	1,297,584.67	1,644.605	13.9952	57	1,825.374	19,741.16	533.896	9.8149
3	80,833.081	1,211,051.35	1,605.423	13.9821	58	1,687.048	17,915.78	514.988	9.6196
4	75,516.708	1,130,218.27	1,577.195	13.9665	59	1,557.255	16,228.73	495.562	9.4214
5	70,554.260	1,054,701.56	1,555.093	13.9488	60	1,435.498	14,671.48	475.682	9.2205
6	65,920.570	984,147.30	1,537.102	13.9293	61	1,321.427	13,235.98	455.522	9.0164
7	61,591.818	918,226.73	1,520.910	13.9083	62	1,214.705	11,914.55	435.248	8.8086
8	57,548.478	856,634.91	1,506.942	13.8854	63	1,114.953	10,699.85	414.963	8.5967
9	53,771.658	799,086.43	1,494.975	13.8607	64	1,021.724	9,584.90	394.675	8.3811
10	50,244.736	745,314.78	1,485.825	13.8337	65	934.654	8,563.17	374.446	8.1619
11	46,950.095	695,070.04	1,478.224	13.8044	66	853.442	7,628.52	354.380	7.9385
12	43,871.046	648,119.94	1,470.675	13.7733	67	777.813	6,775.08	334.584	7.7104
13	40,991.433	604,248.90	1,461.131	13.7409	68	707.383	5,997.26	315.039	7.4781
14	38,295.013	563,257.47	1,446.394	13.7084	69	641.759	5,289.88	295.693	7.2428
15	35,768.348	524,962.45	1,425.010	13.6767	70	580.589	4,648.12	276.507	7.0059
16	33,401.264	489,194.10	1,397.911	13.6460	71	523.569	4,067.53	257.469	6.7689
17	31,184.477	455,792.84	1,366.254	13.6160	72	470.490	3,543.96	238.642	6.5325
18	29,110.051	424,608.36	1,331.933	13.5863	73	421.177	3,073.47	220.109	6.2973
19	27,170.815	395,498.31	1,297.093	13.5560	74	375.520	2,652.29	202.005	6.0630
20	25,359.690	368,327.50	1,263.499	13.5241	75	333.433	2,276.77	184.486	5.8283
21	23,668.524	342,967.81	1,231.378	13.4905	76	294.749	1,943.34	167.615	5.5932
22	22,088.742	319,299.28	1,200.004	13.4553	77	259.285	1,648.59	151.433	5.3582
23	20,613.729	297,210.54	1,170.049	13.4181	78	226.882	1,389.31	135.993	5.1235
24	19,236.779	276,596.81	1,141.660	13.3785	79	197.366	1,162.42	121.320	4.8897
25	17,951.397	257,360.03	1,114.760	13.3365	80	170.558	965.06	107.423	4.6582
26	16,751.694	239,408.64	1,089.447	13.2916	81	146.255	794.50	94.278	4.4323
27	15,631.810	222,656.94	1,065.468	13.2438	82	124.319	648.25	81.911	4.2144
28	14,586.458	207,025.13	1,042.758	13.1930	83	104.694	523.93	70.418	4.0044
29	13,610.135	192,438.67	1,020.689	13.1394	84	87.362	419.23	59.936	3.7988
30	12,698.208	178,828.54	999.145	13.0830	85	72.242	331.87	50.530	3.5939
31	11,846.367	166,130.33	978.028	13.0237	86	59.118	259.63	42.133	3.3917
32	11,050.833	154,283.96	957.489	12.9613	87	47.779	200.51	34.662	3.1966
33	10,307.935	143,233.13	937.544	12.8954	88	38.092	152.73	28.100	3.0095
34	9,614.242	132,925.20	918.201	12.8259	89	29.929	114.64	22.429	2.8304
35	8,966.447	123,310.95	899.375	12.7525	90	23.156	84.71	17.614	2.6583
36	8,361.474	114,344.51	880.993	12.6752	91	17.611	61.55	13.584	2.4953
37	7,796.464	105,983.03	862.995	12.5937	92	13.142	43.94	10.267	2.3438
38	7,268.983	98,186.57	845.563	12.5076	93	9.608	30.80	7.593	2.2058
39	6,776.436	90,917.59	828.556	12.4167	94	6.880	21.19	5.494	2.0805
40	6,316.623	84,141.15	812.061	12.3206	95	4.830	14.31	3.893	1.9637
41	5,887.346	77,824.53	796.022	12.2189	96	3.325	9.48	2.705	1.8520
42	5,486.619	71,937.18	780.448	12.1114	97	2.240	6.16	1.837	1.7491
43	5,112.363	66,450.56	765.130	11.9980	98	1.478	3.92	1.222	1.6508
44	4,762.778	61,338.20	749.999	11.8787	99	0.955	2.44	0.795	1.5551
45	4,436.006	56,575.42	734.810	11.7537	100	0.603	1.49	0.506	1.4619
46	4,130.448	52,139.42	719.458	11.6232	101	0.372	0.88	0.314	1.3713
47	3,844.595	48,008.97	703.821	11.4874	102	0.223	0.51	0.190	1.2832
48	3,577.260	44,164.37	688.002	11.3459	103	0.130	0.29	0.112	1.1976
49	3,327.215	40,587.11	671.984	11.1985	104	0.074	0.16	0.064	1.1144
50	3,093.456	37,259.90	655.892	11.0447	105	0.040	0.08	0.035	1.0337
51	2,874.741	34,166.44	639.553	10.8851	106	0.021	0.04	0.019	0.9555
52	2,670.039	31,291.70	622.919	10.7196	107	0.011	0.02	0.010	0.8797
53	2,478.321	28,621.66	605.876	10.5488	108	0.005	0.01	0.005	0.8062
54	2,298.732	26,143.34	588.420	10.3729	109	0.002	0.00	0.002	0.7351

**Table 5.H. -- Actuarial Functions at 8.0 Percent Interest for 1989-91 United States
White Males**

x	D_x	N_x	M_x	a_x	x	D_x	N_x	M_x	a_x
0	100,000.000	1,323,131.64	1,990.249	12.2313	55	1,277.276	13,247.62	295.970	9.3718
1	91,794.444	1,223,131.64	1,192.101	12.3247	56	1,171.860	11,970.35	285.168	9.2148
2	84,938.272	1,131,337.20	1,135.516	12.3195	57	1,074.170	10,798.49	274.282	9.0529
3	78,608.444	1,046,398.92	1,097.412	12.3115	58	983.578	9,724.32	263.258	8.8867
4	72,758.400	967,790.48	1,070.216	12.3014	59	899.500	8,740.74	252.038	8.7173
5	67,347.791	895,032.08	1,049.118	12.2897	60	821.493	7,841.24	240.661	8.5451
6	62,342.051	827,684.29	1,032.104	12.2765	61	749.212	7,019.75	229.230	8.3695
7	57,708.951	765,342.24	1,016.933	12.2621	62	682.326	6,270.54	217.842	8.1899
8	53,421.247	707,633.29	1,003.966	12.2463	63	620.494	5,588.21	206.553	8.0061
9	49,453.112	654,212.04	992.961	12.2289	64	563.346	4,967.71	195.367	7.8182
10	45,781.581	604,758.93	984.623	12.2097	65	510.566	4,404.37	184.317	7.6264
11	42,383.491	558,977.35	977.761	12.1886	66	461.887	3,893.80	173.457	7.4302
12	39,237.222	516,593.86	971.010	12.1659	67	417.058	3,431.92	162.842	7.2289
13	36,322.304	477,356.64	962.553	12.1422	68	375.782	3,014.86	152.459	7.0229
14	33,618.826	441,034.33	949.616	12.1187	69	337.764	2,639.08	142.277	6.8134
15	31,109.943	407,415.51	931.017	12.0960	70	302.740	2,301.31	132.273	6.6016
16	28,782.151	376,305.56	907.665	12.0743	71	270.480	1,998.57	122.438	6.3890
17	26,623.113	347,523.41	880.638	12.0534	72	240.809	1,728.09	112.802	6.1762
18	24,622.002	320,900.30	851.610	12.0331	73	213.573	1,487.28	103.404	5.9638
19	22,768.954	296,278.30	822.414	12.0124	74	188.658	1,273.71	94.309	5.7514
20	21,054.474	273,509.34	794.523	11.9906	75	165.963	1,085.05	85.589	5.5379
21	19,468.462	252,454.87	768.101	11.9674	76	145.350	919.09	77.269	5.3233
22	18,000.786	232,986.41	742.534	11.9431	77	126.677	773.74	69.363	5.1080
23	16,643.210	214,985.62	718.349	11.9173	78	109.820	647.06	61.890	4.8920
24	15,387.671	198,342.41	695.640	11.8897	79	94.649	537.24	54.853	4.6762
25	14,226.524	182,954.74	674.321	11.8601	80	81.035	442.59	48.251	4.4617
26	13,152.833	168,728.22	654.447	11.8283	81	68.845	361.56	42.063	4.2518
27	12,159.896	155,575.38	635.794	11.7941	82	57.978	292.71	36.295	4.0487
28	11,241.660	143,415.49	618.291	11.7575	83	48.373	234.73	30.985	3.8526
29	10,392.094	132,173.83	601.441	11.7187	84	39.991	186.36	26.187	3.6600
30	9,606.012	121,781.73	585.143	11.6777	85	32.763	146.37	21.921	3.4675
31	8,878.629	112,175.72	569.316	11.6344	86	26.563	113.61	18.148	3.2769
32	8,205.702	103,297.09	554.065	11.5885	87	21.270	87.04	14.822	3.0924
33	7,583.198	95,091.39	539.392	11.5397	88	16.800	65.77	11.928	2.9150
34	7,007.382	87,508.19	525.294	11.4880	89	13.078	48.97	9.450	2.7448
35	6,474.722	80,500.81	511.700	11.4331	90	10.024	35.90	7.365	2.5809
36	5,981.962	74,026.09	498.548	11.3749	91	7.553	25.87	5.637	2.4251
37	5,526.097	68,044.12	485.792	11.3132	92	5.585	18.32	4.228	2.2802
38	5,104.515	62,518.03	473.550	11.2476	93	4.045	12.73	3.102	2.1479
39	4,714.571	57,413.51	461.718	11.1779	94	2.870	8.69	2.226	2.0277
40	4,353.974	52,698.94	450.349	11.1036	95	1.996	5.82	1.565	1.9155
41	4,020.504	48,344.97	439.395	11.0246	96	1.361	3.82	1.078	1.8081
42	3,712.152	44,324.46	428.858	10.9404	97	0.909	2.46	0.726	1.7089
43	3,426.909	40,612.31	418.590	10.8510	98	0.594	1.55	0.479	1.6142
44	3,163.016	37,185.40	408.541	10.7563	99	0.380	0.96	0.309	1.5217
45	2,918.725	34,022.39	398.548	10.6566	100	0.238	0.58	0.195	1.4316
46	2,692.515	31,103.66	388.540	10.5519	101	0.145	0.34	0.120	1.3438
47	2,482.971	28,411.15	378.441	10.4424	102	0.086	0.20	0.072	1.2584
48	2,288.925	25,928.18	368.320	10.3277	103	0.050	0.11	0.042	1.1752
49	2,109.220	23,639.25	358.165	10.2076	104	0.028	0.06	0.024	1.0944
50	1,942.876	21,530.03	348.059	10.0815	105	0.015	0.03	0.013	1.0158
51	1,788.792	19,587.15	337.891	9.9499	106	0.008	0.02	0.007	0.9395
52	1,646.034	17,798.36	327.637	9.8129	107	0.004	0.01	0.003	0.8655
53	1,513.696	16,152.33	317.228	9.6708	108	0.002	0.00	0.002	0.7937
54	1,391.008	14,638.63	306.665	9.5238	109	0.001	0.00	0.001	0.7241

**Table 5.I. -- Actuarial Functions at 9.0 Percent Interest for 1989-91 United States
White Males**

x	D_x	N_x	M_x	a_x	x	D_x	N_x	M_x	a_x
0	100,000.000	1,190,867.42	1,671.498	10.9087	55	769.368	7,432.48	155.676	8.6605
1	90,952.294	1,090,867.42	880.672	10.9938	56	699.395	6,663.11	149.229	8.5270
2	83,386.920	999,915.12	825.121	10.9913	57	635.209	5,963.72	142.792	8.3886
3	76,464.697	916,528.20	788.056	10.9863	58	576.302	5,328.51	136.333	8.2460
4	70,124.886	840,063.50	761.845	10.9795	59	522.203	4,752.21	129.819	8.1003
5	64,314.610	769,938.62	741.697	10.9714	60	472.541	4,230.01	123.274	7.9516
6	58,988.130	705,624.01	725.598	10.9621	61	427.009	3,757.46	116.760	7.7995
7	54,103.328	646,635.88	711.375	10.9519	62	385.321	3,330.46	110.329	7.6433
8	49,624.036	592,532.55	699.330	10.9404	63	347.188	2,945.13	104.012	7.4828
9	45,516.509	542,908.51	689.201	10.9277	64	312.320	2,597.95	97.810	7.3182
10	41,750.662	497,392.00	681.597	10.9134	65	280.462	2,285.63	91.741	7.1495
11	38,297.159	455,641.34	675.397	10.8975	66	251.394	2,005.16	85.830	6.9762
12	35,128.964	417,344.18	669.353	10.8803	67	224.912	1,753.77	80.106	6.7976
13	32,220.905	382,215.22	661.850	10.8623	68	200.794	1,528.86	74.557	6.6141
14	29,549.092	349,994.31	650.479	10.8445	69	178.823	1,328.06	69.167	6.4267
15	27,093.061	320,445.22	634.281	10.8276	70	158.810	1,149.24	63.919	6.2366
16	24,835.870	293,352.16	614.132	10.8116	71	140.586	990.43	58.807	6.0450
17	22,762.094	268,516.29	591.024	10.7966	72	124.015	849.85	53.844	5.8528
18	20,858.064	245,754.20	566.433	10.7822	73	108.980	725.83	49.049	5.6602
19	19,111.333	224,896.13	541.927	10.7677	74	95.383	616.85	44.451	5.4671
20	17,510.137	205,784.80	518.731	10.7523	75	83.139	521.47	40.082	5.2722
21	16,042.574	188,274.66	496.960	10.7359	76	72.145	438.33	35.953	5.0757
22	14,697.083	172,232.09	476.084	10.7188	77	62.300	366.18	32.065	4.8778
23	13,463.997	157,535.01	456.519	10.7005	78	53.514	303.88	28.423	4.6786
24	12,334.088	144,071.01	438.317	10.6807	79	45.698	250.37	25.025	4.4788
25	11,298.746	131,736.92	421.386	10.6594	80	38.766	204.67	21.867	4.2796
26	10,350.183	120,438.18	405.746	10.6363	81	32.632	165.91	18.934	4.0841
27	9,481.037	110,087.99	391.202	10.6114	82	27.229	133.27	16.225	3.8945
28	8,684.677	100,606.96	377.681	10.5844	83	22.510	106.04	13.754	3.7110
29	7,954.695	91,922.28	364.782	10.5557	84	18.439	83.53	11.542	3.5303
30	7,285.525	83,967.58	352.422	10.5253	85	14.968	65.09	9.593	3.3490
31	6,672.074	76,682.06	340.528	10.4930	86	12.024	50.13	7.885	3.1690
32	6,109.814	70,009.98	329.173	10.4586	87	9.539	38.10	6.393	2.9942
33	5,594.508	63,900.17	318.347	10.4219	88	7.466	28.56	5.107	2.8259
34	5,122.271	58,305.66	308.042	10.3828	89	5.758	21.10	4.016	2.6639
35	4,689.485	53,183.39	298.196	10.3410	90	4.373	15.34	3.107	2.5075
36	4,292.842	48,493.91	288.758	10.2965	91	3.265	10.97	2.360	2.3586
37	3,929.317	44,201.06	279.688	10.2490	92	2.392	7.70	1.756	2.2197
38	3,596.253	40,271.75	271.063	10.1983	93	1.717	5.31	1.278	2.0929
39	3,291.056	36,675.49	262.804	10.1440	94	1.207	3.59	0.910	1.9774
40	3,011.453	33,384.44	254.940	10.0858	95	0.832	2.39	0.634	1.8696
41	2,755.294	30,372.98	247.433	10.0235	96	0.562	1.55	0.434	1.7661
42	2,520.638	27,617.69	240.279	9.9566	97	0.372	0.99	0.290	1.6705
43	2,305.604	25,097.05	233.370	9.8852	98	0.241	0.62	0.189	1.5790
44	2,108.534	22,791.45	226.672	9.8091	99	0.153	0.38	0.121	1.4897
45	1,927.834	20,682.91	220.071	9.7286	100	0.095	0.23	0.076	1.4025
46	1,762.106	18,755.08	213.521	9.6436	101	0.057	0.13	0.046	1.3174
47	1,610.062	16,992.97	206.973	9.5542	102	0.034	0.08	0.028	1.2345
48	1,470.618	15,382.91	200.470	9.4602	103	0.019	0.04	0.016	1.1537
49	1,342.727	13,912.29	194.005	9.3612	104	0.011	0.02	0.009	1.0750
50	1,225.485	12,569.57	187.631	9.2568	105	0.006	0.01	0.005	0.9984
51	1,117.944	11,344.08	181.276	9.1473	106	0.003	0.01	0.003	0.9240
52	1,019.286	10,226.14	174.926	9.0326	107	0.001	0.00	0.001	0.8517
53	928.738	9,206.85	168.540	8.9133	108	0.001	0.00	0.001	0.7815
54	845.632	8,278.11	162.118	8.7893	109	0.000	0.00	0.000	0.7134

**Table 5.J. -- Actuarial Functions at 10.0 Percent Interest for 1989-91 United States
White Males**

x	D_x	N_x	M_x	a_x	x	D_x	N_x	M_x	a_x
0	100,000.000	1,083,885.02	1,464.998	9.8389	55	465.579	4,208.65	82.975	8.0396
1	90,125.455	983,885.02	681.362	9.9168	56	419.388	3,743.07	79.109	7.9251
2	81,877.686	893,759.56	626.817	9.9158	57	377.437	3,323.68	75.284	7.8059
3	74,398.197	811,881.88	590.753	9.9127	58	339.321	2,946.24	71.481	7.6828
4	67,609.453	737,483.68	565.482	9.9080	59	304.673	2,606.92	67.680	7.5565
5	61,443.890	669,874.23	546.233	9.9022	60	273.192	2,302.25	63.897	7.4272
6	55,842.841	608,430.34	530.993	9.8954	61	244.624	2,029.06	60.165	7.2946
7	50,752.877	552,587.50	517.650	9.8878	62	218.735	1,784.43	56.514	7.1580
8	46,127.783	501,834.62	506.454	9.8792	63	195.297	1,565.70	52.961	7.0170
9	41,925.018	455,706.83	497.124	9.8696	64	174.086	1,370.40	49.504	6.8720
10	38,106.713	413,781.82	490.184	9.8585	65	154.907	1,196.32	46.151	6.7228
11	34,636.859	375,675.10	484.576	9.8461	66	137.590	1,041.41	42.916	6.5689
12	31,482.637	341,038.24	479.160	9.8326	67	121.977	903.82	39.812	6.4097
13	28,613.916	309,555.61	472.497	9.8184	68	107.907	781.84	36.830	6.2455
14	26,002.645	280,941.69	462.491	9.8044	69	95.226	673.94	33.960	6.0772
15	23,624.644	254,939.05	448.367	9.7912	70	83.800	578.71	31.190	5.9058
16	21,459.539	231,314.40	430.956	9.7791	71	73.509	494.91	28.517	5.7326
17	19,488.887	209,854.86	411.172	9.7679	72	64.255	421.40	25.946	5.5582
18	17,696.306	190,365.98	390.308	9.7574	73	55.952	357.14	23.484	5.3831
19	16,066.949	172,669.67	369.706	9.7469	74	48.526	301.19	21.145	5.2068
20	14,586.994	156,602.72	350.383	9.7358	75	41.912	252.67	18.943	5.0285
21	13,242.931	142,015.73	332.410	9.7239	76	36.039	210.75	16.880	4.8479
22	12,021.953	128,772.80	315.335	9.7115	77	30.838	174.71	14.955	4.6655
23	10,913.190	116,750.84	299.476	9.6981	78	26.249	143.88	13.169	4.4813
24	9,906.462	105,837.66	284.857	9.6837	79	22.211	117.63	11.518	4.2959
25	8,992.399	95,931.19	271.382	9.6680	80	18.671	95.42	9.996	4.1105
26	8,162.574	86,938.79	259.047	9.6509	81	15.574	76.75	8.597	3.9280
27	7,409.157	78,776.22	247.682	9.6323	82	12.877	61.17	7.316	3.7506
28	6,725.126	71,367.06	237.211	9.6120	83	10.548	48.30	6.158	3.5785
29	6,103.854	64,641.94	227.314	9.5903	84	8.562	37.75	5.130	3.4087
30	5,539.559	58,538.08	217.915	9.5673	85	6.887	29.19	4.234	3.2377
31	5,027.002	52,998.52	208.954	9.5428	86	5.482	22.30	3.455	3.0674
32	4,561.524	47,971.52	200.477	9.5166	87	4.310	16.82	2.781	2.9017
33	4,138.831	43,410.00	192.468	9.4885	88	3.342	12.51	2.205	2.7417
34	3,755.020	39,271.17	184.913	9.4583	89	2.554	9.16	1.721	2.5874
35	3,406.502	35,516.15	177.761	9.4260	90	1.922	6.61	1.322	2.4380
36	3,090.026	32,109.65	170.968	9.3914	91	1.422	4.69	0.996	2.2955
37	2,802.645	29,019.62	164.498	9.3544	92	1.032	3.26	0.736	2.1623
38	2,541.764	26,216.97	158.402	9.3145	93	0.734	2.23	0.531	2.0405
39	2,304.910	23,675.21	152.618	9.2716	94	0.511	1.50	0.375	1.9295
40	2,089.915	21,370.30	147.160	9.2254	95	0.349	0.99	0.259	1.8257
41	1,894.761	19,280.39	141.998	9.1756	96	0.234	0.64	0.176	1.7259
42	1,717.634	17,385.62	137.123	9.1218	97	0.153	0.40	0.117	1.6337
43	1,556.821	15,667.99	132.458	9.0641	98	0.098	0.25	0.076	1.5454
44	1,410.810	14,111.17	127.976	9.0022	99	0.062	0.15	0.048	1.4590
45	1,278.178	12,700.36	123.600	8.9363	100	0.038	0.09	0.030	1.3745
46	1,157.677	11,422.18	119.297	8.8665	101	0.023	0.05	0.018	1.2920
47	1,048.170	10,264.51	115.034	8.7928	102	0.013	0.03	0.011	1.2114
48	948.687	9,216.33	110.838	8.7148	103	0.008	0.02	0.006	1.1329
49	858.310	8,267.65	106.706	8.6325	104	0.004	0.01	0.003	1.0563
50	776.244	7,409.34	102.668	8.5451	105	0.002	0.00	0.002	0.9817
51	701.689	6,633.09	98.680	8.4530	106	0.001	0.00	0.001	0.9090
52	633.949	5,931.40	94.731	8.3563	107	0.001	0.00	0.000	0.8384
53	572.381	5,297.46	90.795	8.2551	108	0.000	0.00	0.000	0.7697
54	516.425	4,725.07	86.873	8.1496	109	0.000	0.00	0.000	0.7030

**Table 5.K. -- Actuarial Functions at 11.0 Percent Interest for 1989-91 United States
White Males**

x	D_x	N_x	M_x	a_x	x	D_x	N_x	M_x	a_x
0	100,000.000	995,726.41	1,324.410	8.9573	55	283.027	2,404.08	44.784	7.4942
1	89,313.514	895,726.41	547.834	9.0290	56	252.650	2,121.06	42.455	7.3952
2	80,409.058	806,412.89	494.266	9.0289	57	225.329	1,868.41	40.172	7.2919
3	72,405.495	726,003.84	459.169	9.0269	58	200.749	1,643.08	37.922	7.1847
4	65,205.803	653,598.34	434.796	9.0236	59	178.627	1,442.33	35.694	7.0745
5	58,725.570	588,392.54	416.399	9.0194	60	158.727	1,263.70	33.495	6.9615
6	52,891.483	529,666.97	401.964	9.0142	61	140.848	1,104.97	31.346	6.8451
7	47,637.462	476,775.48	389.441	9.0084	62	124.807	964.13	29.263	6.7249
8	42,906.218	429,138.02	379.027	9.0018	63	110.430	839.32	27.254	6.6005
9	38,645.650	386,231.80	370.426	8.9942	64	97.549	728.89	25.317	6.4720
10	34,809.562	347,586.15	364.087	8.9854	65	86.021	631.34	23.456	6.3394
11	31,354.889	312,776.59	359.010	8.9754	66	75.716	545.32	21.675	6.2022
12	28,242.788	281,421.70	354.151	8.9644	67	66.520	469.60	19.982	6.0596
13	25,438.031	253,178.92	348.228	8.9528	68	58.316	403.08	18.371	5.9120
14	22,908.329	227,740.88	339.412	8.9414	69	51.000	344.77	16.834	5.7602
15	20,625.803	204,832.56	327.081	8.9309	70	44.476	293.77	15.364	5.6051
16	18,566.741	184,206.75	312.018	8.9213	71	38.663	249.29	13.958	5.4479
17	16,709.831	165,640.01	295.055	8.9127	72	33.491	210.63	12.618	5.2891
18	15,036.174	148,930.18	277.327	8.9048	73	28.900	177.14	11.346	5.1293
19	13,528.755	133,894.01	259.980	8.8970	74	24.839	148.24	10.149	4.9680
20	12,171.943	120,365.25	243.855	8.8887	75	21.260	123.40	9.032	4.8042
21	10,950.853	108,193.31	228.994	8.8799	76	18.116	102.14	7.995	4.6379
22	9,851.640	97,242.46	215.001	8.8707	77	15.362	84.02	7.036	4.4693
23	8,862.473	87,390.81	202.122	8.8608	78	12.958	68.66	6.154	4.2985
24	7,972.445	78,528.34	190.357	8.8500	79	10.866	55.70	5.346	4.1261
25	7,171.636	70,555.90	179.610	8.8382	80	9.052	44.83	4.609	3.9531
26	6,451.185	63,384.26	169.862	8.8252	81	7.482	35.78	3.936	3.7824
27	5,802.977	56,933.08	160.960	8.8110	82	6.131	28.30	3.326	3.6161
28	5,219.780	51,130.10	152.833	8.7955	83	4.977	22.17	2.780	3.4545
29	4,694.892	45,910.32	145.221	8.7788	84	4.003	17.19	2.300	3.2946
30	4,222.468	41,215.43	138.057	8.7610	85	3.191	13.19	1.884	3.1331
31	3,797.257	36,992.96	131.288	8.7420	86	2.517	10.00	1.527	2.9717
32	3,414.606	33,195.70	124.942	8.7217	87	1.961	7.48	1.220	2.8144
33	3,070.280	29,781.10	119.001	8.6998	88	1.507	5.52	0.960	2.6621
34	2,760.465	26,710.81	113.447	8.6762	89	1.142	4.01	0.744	2.5149
35	2,481.695	23,950.35	108.236	8.6508	90	0.851	2.87	0.567	2.3720
36	2,230.856	21,468.66	103.332	8.6235	91	0.624	2.02	0.424	2.2354
37	2,005.152	19,237.80	98.703	8.5942	92	0.449	1.40	0.311	2.1076
38	1,802.121	17,232.65	94.381	8.5624	93	0.316	0.95	0.223	1.9905
39	1,619.468	15,430.53	90.317	8.5281	94	0.218	0.63	0.156	1.8837
40	1,455.181	13,811.06	86.517	8.4910	95	0.148	0.41	0.107	1.7837
41	1,307.412	12,355.88	82.955	8.4506	96	0.098	0.26	0.072	1.6875
42	1,174.514	11,048.47	79.621	8.4068	97	0.064	0.17	0.047	1.5984
43	1,054.960	9,873.95	76.460	8.3595	98	0.041	0.10	0.030	1.5130
44	947.405	8,818.99	73.451	8.3086	99	0.025	0.06	0.019	1.4294
45	850.605	7,871.59	70.538	8.2541	100	0.015	0.04	0.012	1.3476
46	763.473	7,020.98	67.700	8.1961	101	0.009	0.02	0.007	1.2675
47	685.028	6,257.51	64.914	8.1347	102	0.005	0.01	0.004	1.1892
48	614.425	5,572.48	62.197	8.0694	103	0.003	0.01	0.002	1.1128
49	550.884	4,958.06	59.545	8.0002	104	0.002	0.00	0.001	1.0382
50	493.724	4,407.17	56.977	7.9264	105	0.001	0.00	0.001	0.9654
51	442.282	3,913.45	54.463	7.8483	106	0.000	0.00	0.000	0.8945
52	395.985	3,471.17	51.996	7.7659	107	0.000	0.00	0.000	0.8255
53	354.307	3,075.18	49.560	7.6794	108	0.000	0.00	0.000	0.7583
54	316.790	2,720.87	47.154	7.5889	109	0.000	0.00	0.000	0.6929

**Table 5.L. -- Actuarial Functions at 12.0 Percent Interest for 1989-91 United States
White Males**

x	D_x	N_x	M_x	a_x	x	D_x	N_x	M_x	a_x
0	100,000.000	921,908.18	1,224.124	8.2191	55	172.822	1,384.71	24.461	7.0123
1	88,516.071	821,908.18	454.481	8.2854	56	152.896	1,211.88	23.052	6.9262
2	78,979.592	733,392.11	401.866	8.2858	57	135.145	1,058.99	21.682	6.8359
3	70,483.327	654,412.52	367.701	8.2846	58	119.328	923.84	20.345	6.7421
4	62,908.028	583,929.19	344.186	8.2823	59	105.230	804.51	19.032	6.6453
5	56,150.292	521,021.16	326.596	8.2790	60	92.672	699.28	17.749	6.5458
6	50,120.510	464,870.87	312.917	8.2751	61	81.499	606.61	16.505	6.4432
7	44,738.694	414,750.36	301.156	8.2705	62	71.573	525.11	15.311	6.3368
8	39,935.570	370,011.66	291.463	8.2652	63	62.762	453.54	14.169	6.2263
9	35,648.825	330,076.09	283.529	8.2591	64	54.947	390.78	13.078	6.1119
10	31,823.513	294,427.27	277.734	8.2519	65	48.020	335.83	12.038	5.9935
11	28,409.251	262,603.76	273.134	8.2436	66	41.890	287.81	11.053	5.8706
12	25,361.039	234,194.51	268.771	8.2344	67	36.474	245.92	10.125	5.7424
13	22,638.514	208,833.47	263.500	8.2247	68	31.690	209.45	9.250	5.6092
14	20,205.183	186,194.95	255.724	8.2152	69	27.467	177.76	8.422	5.4717
15	18,029.563	165,989.77	244.945	8.2065	70	23.740	150.29	7.637	5.3308
16	16,084.775	147,960.21	231.895	8.1988	71	20.452	126.55	6.893	5.1876
17	14,346.841	131,875.43	217.331	8.1919	72	17.558	106.10	6.191	5.0426
18	12,794.595	117,528.59	202.246	8.1858	73	15.016	88.54	5.530	4.8962
19	11,409.116	104,733.99	187.617	8.1799	74	12.791	73.52	4.913	4.7481
20	10,173.234	93,324.88	174.140	8.1736	75	10.850	60.73	4.343	4.5973
21	9,070.935	83,151.64	161.830	8.1668	76	9.163	49.88	3.819	4.4437
22	8,087.561	74,080.71	150.342	8.1598	77	7.701	40.72	3.338	4.2876
23	7,210.559	65,993.15	139.865	8.1523	78	6.438	33.02	2.900	4.1289
24	6,428.512	58,782.59	130.378	8.1440	79	5.350	26.58	2.502	3.9681
25	5,731.155	52,354.08	121.789	8.1350	80	4.417	21.23	2.142	3.8064
26	5,109.382	46,622.92	114.069	8.1250	81	3.619	16.81	1.817	3.6464
27	4,554.961	41,513.54	107.082	8.1139	82	2.939	13.19	1.525	3.4902
28	4,060.607	36,958.58	100.759	8.1017	83	2.364	10.26	1.265	3.3381
29	3,619.673	32,897.97	94.890	8.0887	84	1.885	7.89	1.039	3.1873
30	3,226.377	29,278.30	89.416	8.0747	85	1.489	6.01	0.845	3.0345
31	2,875.568	26,051.92	84.290	8.0597	86	1.164	4.52	0.680	2.8815
32	2,562.708	23,176.35	79.527	8.0437	87	0.899	3.35	0.539	2.7318
33	2,283.713	20,613.65	75.108	8.0264	88	0.685	2.46	0.422	2.5867
34	2,034.936	18,329.93	71.015	8.0076	89	0.514	1.77	0.324	2.4461
35	1,813.100	16,295.00	67.208	7.9874	90	0.380	1.26	0.245	2.3093
36	1,615.288	14,481.90	63.656	7.9655	91	0.276	0.88	0.182	2.1783
37	1,438.900	12,866.61	60.335	7.9420	92	0.197	0.60	0.132	2.0554
38	1,281.659	11,427.71	57.261	7.9163	93	0.137	0.40	0.094	1.9428
39	1,141.473	10,146.05	54.397	7.8886	94	0.094	0.27	0.065	1.8399
40	1,016.518	9,004.58	51.742	7.8583	95	0.063	0.17	0.045	1.7435
41	905.139	7,988.06	49.276	7.8252	96	0.041	0.11	0.030	1.6506
42	805.873	7,082.92	46.989	7.7891	97	0.027	0.07	0.019	1.5646
43	717.380	6,277.05	44.839	7.7500	98	0.017	0.04	0.012	1.4820
44	638.489	5,559.67	42.811	7.7075	99	0.010	0.02	0.008	1.4010
45	568.134	4,921.18	40.865	7.6620	100	0.006	0.01	0.005	1.3216
46	505.384	4,353.04	38.987	7.6133	101	0.004	0.01	0.003	1.2438
47	449.408	3,847.66	37.159	7.5616	102	0.002	0.00	0.002	1.1678
48	399.491	3,398.25	35.393	7.5065	103	0.001	0.00	0.001	1.0934
49	354.979	2,998.76	33.684	7.4477	104	0.001	0.00	0.001	1.0207
50	315.306	2,643.78	32.043	7.3848	105	0.000	0.00	0.000	0.9497
51	279.932	2,328.47	30.452	7.3180	106	0.000	0.00	0.000	0.8804
52	248.392	2,048.54	28.905	7.2472	107	0.000	0.00	0.000	0.8129
53	220.264	1,800.15	27.390	7.1727	108	0.000	0.00	0.000	0.7471
54	195.182	1,579.89	25.908	7.0944	109	0.000	0.00	0.000	0.6831

**Table 6.A. -- Actuarial Functions at 1.0 Percent Interest for 1989-91 United States
White Females**

x	D_x	N_x	M_x	a_x	x	D_x	N_x	M_x	a_x
0	100,000.000	5,479,540.37	45,747.125	53.7954	55	54,225.437	1,299,445.28	41,359.642	22.9638
1	98,349.505	5,379,540.37	45,086.729	53.6982	56	53,409.025	1,245,219.84	41,080.116	22.3148
2	97,317.910	5,281,190.87	45,028.891	53.2674	57	52,578.510	1,191,810.82	40,778.403	21.6673
3	96,319.425	5,183,872.96	44,993.950	52.8196	58	51,730.568	1,139,232.31	40,451.041	21.0224
4	95,337.899	5,087,553.53	44,966.082	52.3634	59	50,863.686	1,087,501.74	40,096.342	20.3807
5	94,373.027	4,992,215.64	44,945.150	51.8988	60	49,974.770	1,036,638.05	39,711.027	19.7432
6	93,418.858	4,897,842.61	44,925.367	51.4288	61	49,065.771	986,663.28	39,296.827	19.1090
7	92,476.197	4,804,423.75	44,907.645	50.9531	62	48,136.957	937,597.51	38,853.813	18.4777
8	91,544.892	4,711,947.55	44,891.946	50.4714	63	47,186.998	889,460.55	38,380.458	17.8497
9	90,623.877	4,620,402.66	44,877.316	49.9844	64	46,215.161	842,273.56	37,875.819	17.2250
10	89,713.032	4,529,778.78	44,863.737	49.4919	65	45,218.663	796,058.40	37,336.897	16.6046
11	88,813.132	4,440,065.75	44,852.085	48.9933	66	44,198.995	750,839.73	36,764.938	15.9877
12	87,920.482	4,351,252.62	44,838.773	48.4908	67	43,156.065	706,640.74	36,159.622	15.3741
13	87,035.924	4,263,332.14	44,824.714	47.9836	68	42,087.772	663,484.67	35,518.617	14.7643
14	86,155.913	4,176,296.21	44,806.445	47.4737	69	40,990.099	621,396.90	34,837.655	14.1597
15	85,279.627	4,090,140.30	44,783.189	46.9615	70	39,857.215	580,406.80	34,110.613	13.5622
16	84,407.132	4,004,860.67	44,755.046	46.4469	71	38,685.514	540,549.59	33,333.538	12.9729
17	83,537.642	3,920,453.54	44,721.271	45.9304	72	37,472.046	501,864.07	32,503.095	12.3930
18	82,673.752	3,836,915.90	44,684.486	45.4103	73	36,215.939	464,392.03	31,617.998	11.8229
19	81,816.296	3,754,242.15	44,645.582	44.8862	74	34,918.779	428,176.09	30,679.411	11.2621
20	80,966.896	3,672,425.85	44,606.244	44.3571	75	33,584.488	393,257.31	29,690.851	10.7095
21	80,126.295	3,591,458.96	44,567.295	43.8225	76	32,217.333	359,672.82	28,656.216	10.1640
22	79,292.795	3,511,332.66	44,527.125	43.2831	77	30,817.720	327,455.49	27,575.586	9.6256
23	78,467.946	3,432,039.87	44,487.353	42.7381	78	29,381.458	296,637.77	26,444.450	9.0961
24	77,651.657	3,353,571.92	44,447.975	42.1874	79	27,900.905	267,256.31	25,254.803	8.5788
25	76,843.841	3,275,920.26	44,408.987	41.6309	80	26,369.648	239,355.40	23,999.793	8.0769
26	76,043.636	3,199,076.42	44,369.612	41.0690	81	24,789.601	212,985.76	22,680.831	7.5917
27	75,252.509	3,123,032.78	44,331.392	40.5007	82	23,167.942	188,196.16	21,304.614	7.1231
28	74,468.079	3,047,780.28	44,292.037	39.9273	83	21,512.915	165,028.21	19,878.972	6.6711
29	73,690.307	2,973,312.20	44,251.572	39.3488	84	19,835.067	143,515.30	18,414.123	6.2354
30	72,918.410	2,899,621.89	44,209.282	38.7653	85	18,144.983	123,680.23	16,920.427	5.8162
31	72,151.636	2,826,703.48	44,164.473	38.1773	86	16,448.175	105,535.25	15,403.271	5.4162
32	71,389.989	2,754,551.84	44,117.199	37.5846	87	14,754.154	89,087.07	13,872.104	5.0381
33	70,633.470	2,683,161.85	44,067.511	36.9871	88	13,084.151	74,332.92	12,348.182	4.6811
34	69,882.795	2,612,528.38	44,016.177	36.3844	89	11,463.508	61,248.77	10,857.084	4.3429
35	69,136.531	2,542,645.59	43,961.822	35.7772	90	9,911.654	49,785.26	9,418.731	4.0229
36	68,396.097	2,473,509.06	43,905.908	35.1645	91	8,437.928	39,873.61	8,043.140	3.7255
37	67,659.395	2,405,112.96	43,846.396	34.5474	92	7,056.468	31,435.68	6,745.224	3.4549
38	66,925.781	2,337,453.57	43,782.676	33.9261	93	5,791.911	24,379.21	5,550.533	3.2092
39	66,195.312	2,270,527.79	43,714.839	33.3004	94	4,666.301	18,587.30	4,482.268	2.9833
40	65,467.375	2,204,332.47	43,642.301	32.6707	95	3,689.474	13,921.00	3,551.642	2.7732
41	64,741.378	2,138,865.10	43,564.495	32.0371	96	2,858.904	10,231.52	2,757.602	2.5788
42	64,016.096	2,074,123.72	43,480.218	31.4000	97	2,167.276	7,372.62	2,094.279	2.4018
43	63,291.659	2,010,107.63	43,389.604	30.7594	98	1,607.410	5,205.34	1,555.872	2.2383
44	62,566.902	1,946,815.97	43,291.496	30.1157	99	1,166.327	3,597.93	1,130.704	2.0848
45	61,840.066	1,884,249.06	43,184.135	29.4697	100	827.769	2,431.61	803.694	1.9375
46	61,109.468	1,822,409.00	43,065.815	28.8220	101	573.562	1,603.84	557.683	1.7963
47	60,374.120	1,761,299.53	42,935.510	28.1731	102	387.194	1,030.27	376.993	1.6609
48	59,633.076	1,700,925.41	42,792.230	27.5232	103	254.065	643.08	247.697	1.5312
49	58,886.049	1,641,292.33	42,635.630	26.8723	104	161.620	389.02	157.769	1.4070
50	58,133.376	1,582,406.29	42,465.987	26.2203	105	99.380	227.40	97.129	1.2881
51	57,373.580	1,524,272.91	42,281.769	25.5675	106	58.872	128.02	57.604	1.1745
52	56,602.865	1,466,899.33	42,079.110	24.9156	107	33.470	69.14	32.785	1.0658
53	55,821.722	1,410,296.46	41,858.391	24.2643	108	18.182	35.67	17.829	0.9621
54	55,029.464	1,354,474.74	41,618.823	23.6136	109	9.389	17.49	9.216	0.8630

**Table 6.B. -- Actuarial Functions at 2.0 Percent Interest for 1989-91 United States
White Females**

x	D_x	N_x	M_x	a_x	x	D_x	N_x	M_x	a_x
0	100,000.000	3,987,916.58	21,805.557	38.8792	55	31,540.543	659,365.41	18,611.810	19.9053
1	97,385.294	3,887,916.58	21,151.636	38.9230	56	30,761.107	627,824.87	18,450.816	19.4097
2	95,419.070	3,790,531.29	21,094.927	38.7251	57	29,985.879	597,063.76	18,278.747	18.9115
3	93,514.184	3,695,112.22	21,061.003	38.5139	58	29,213.054	567,077.88	18,093.880	18.4118
4	91,653.781	3,601,598.04	21,034.212	38.2957	59	28,441.909	537,864.83	17,895.540	17.9110
5	89,836.722	3,509,944.26	21,014.285	38.0703	60	27,670.877	509,422.92	17,682.192	17.4101
6	88,056.570	3,420,107.53	20,995.638	37.8399	61	26,901.218	481,752.04	17,455.100	16.9082
7	86,313.430	3,332,050.96	20,979.097	37.6041	62	26,133.234	454,850.82	17,214.590	16.4051
8	84,606.500	3,245,737.53	20,964.588	37.3627	63	25,366.355	428,717.59	16,960.128	15.9010
9	82,934.161	3,161,131.03	20,951.200	37.1162	64	24,600.357	403,351.23	16,691.509	15.3962
10	81,295.696	3,078,196.87	20,938.895	36.8642	65	23,833.940	378,750.88	16,407.453	14.8912
11	79,691.207	2,996,901.18	20,928.439	36.6064	66	23,068.095	354,916.94	16,108.939	14.3856
12	78,116.807	2,917,209.97	20,916.612	36.3442	67	22,302.953	331,848.84	15,796.113	13.8791
13	76,572.737	2,839,093.16	20,904.243	36.0771	68	21,537.618	309,545.89	15,468.091	13.3723
14	75,055.395	2,762,520.42	20,888.328	35.8064	69	20,770.259	288,008.27	15,123.038	12.8664
15	73,563.659	2,687,465.03	20,868.267	35.5325	70	19,998.209	267,238.01	14,758.248	12.3631
16	72,097.196	2,613,901.37	20,844.228	35.2552	71	19,220.015	247,239.80	14,372.176	11.8637
17	70,654.959	2,541,804.17	20,815.661	34.9749	72	18,434.610	228,019.79	13,963.634	11.3691
18	69,238.761	2,471,149.21	20,784.854	34.6903	73	17,641.987	209,585.18	13,532.474	10.8799
19	67,848.876	2,401,910.45	20,752.592	34.4009	74	16,843.331	191,943.19	13,079.739	10.3958
20	66,486.203	2,334,061.58	20,720.290	34.1060	75	16,040.906	175,099.86	12,607.575	9.9158
21	65,150.883	2,267,575.37	20,688.620	33.8050	76	15,237.052	159,058.95	12,118.249	9.4390
22	63,841.072	2,202,424.49	20,656.278	33.4986	77	14,432.217	143,821.90	11,612.180	8.9653
23	62,557.579	2,138,583.42	20,624.571	33.1858	78	13,624.705	129,389.69	11,087.652	8.4967
24	61,299.874	2,076,025.84	20,593.485	32.8667	79	12,811.301	115,764.98	10,541.400	8.0362
25	60,067.439	2,014,725.97	20,563.008	32.5411	80	11,989.484	102,953.68	9,970.784	7.5870
26	58,859.169	1,954,658.53	20,532.531	32.2091	81	11,160.583	90,964.20	9,376.972	7.1505
27	57,675.775	1,895,799.36	20,503.238	31.8699	82	10,328.233	79,803.61	8,763.456	6.7267
28	56,515.010	1,838,123.58	20,473.371	31.5245	83	9,496.401	69,475.38	8,134.138	6.3160
29	55,376.464	1,781,608.58	20,442.963	31.1727	84	8,669.911	59,978.98	7,493.853	5.9181
30	54,259.183	1,726,232.11	20,411.495	30.8146	85	7,853.419	51,309.07	6,847.358	5.5333
31	53,162.262	1,671,972.93	20,378.479	30.4504	86	7,049.220	43,455.65	6,197.149	5.1646
32	52,085.373	1,618,810.67	20,343.988	30.0799	87	6,261.219	36,406.43	5,547.368	4.8146
33	51,028.196	1,566,725.29	20,308.092	29.7031	88	5,498.084	30,145.21	4,907.001	4.4829
34	49,990.921	1,515,697.10	20,271.370	29.3194	89	4,769.848	24,647.13	4,286.571	4.1673
35	48,972.204	1,465,706.18	20,232.868	28.9293	90	4,083.705	19,877.28	3,693.954	3.8675
36	47,972.747	1,416,733.97	20,193.650	28.5321	91	3,442.431	15,793.57	3,132.753	3.5879
37	46,990.773	1,368,761.23	20,152.317	28.1283	92	2,850.611	12,351.14	2,608.432	3.3328
38	46,025.565	1,321,770.45	20,108.497	27.7182	93	2,316.827	9,500.53	2,130.543	3.1007
39	45,076.908	1,275,744.89	20,062.302	27.3015	94	1,848.271	7,183.70	1,707.414	2.8867
40	44,144.135	1,230,667.98	20,013.390	26.8784	95	1,447.034	5,335.43	1,342.417	2.6872
41	43,226.614	1,186,523.85	19,961.441	26.4489	96	1,110.286	3,888.40	1,034.043	2.5022
42	42,323.314	1,143,297.23	19,905.722	26.0134	97	833.433	2,778.11	778.960	2.3333
43	41,434.125	1,100,973.92	19,846.401	25.5717	98	612.075	1,944.68	573.944	2.1772
44	40,558.094	1,059,539.79	19,782.804	25.1240	99	439.764	1,332.61	413.634	2.0303
45	39,693.924	1,018,981.70	19,713.891	24.6710	100	309.050	892.84	291.544	1.8890
46	38,840.409	979,287.77	19,638.688	24.2131	101	212.042	583.79	200.595	1.7532
47	37,996.825	940,447.36	19,556.680	23.7507	102	141.740	371.75	134.450	1.6228
48	37,162.499	902,450.54	19,467.390	23.2839	103	92.093	230.01	87.583	1.4976
49	36,337.188	865,288.04	19,370.756	22.8127	104	58.010	137.92	55.305	1.3775
50	35,521.038	828,950.85	19,267.099	22.3369	105	35.321	79.91	33.754	1.2623
51	34,713.088	793,429.82	19,155.641	21.8568	106	20.718	44.59	19.844	1.1520
52	33,911.025	758,716.73	19,034.227	21.3737	107	11.663	23.87	11.195	1.0464
53	33,115.166	724,805.70	18,903.290	20.8874	108	6.274	12.20	6.034	0.9453
54	32,325.123	691,690.54	18,762.564	20.3979	109	3.208	5.93	3.092	0.8486

**Table 6.C. -- Actuarial Functions at 3.0 Percent Interest for 1989-91 United States
White Females**

x	D_x	N_x	M_x	a_x	x	D_x	N_x	M_x	a_x
0	100,000.000	3,056,878.98	10,964.690	29.5688	55	18,442.987	339,999.75	8,540.082	17.4352
1	96,439.806	2,956,878.98	10,317.117	29.6604	56	17,812.587	321,556.76	8,446.856	17.0522
2	93,575.266	2,860,439.17	10,261.504	29.5683	57	17,195.103	303,744.18	8,348.185	16.6646
3	90,816.828	2,766,863.91	10,228.559	29.4664	58	16,589.294	286,549.07	8,243.204	16.2731
4	88,145.912	2,676,047.08	10,202.793	29.3593	59	15,994.572	269,959.78	8,131.666	15.8782
5	85,559.577	2,587,901.17	10,183.815	29.2468	60	15,409.898	253,965.21	8,012.853	15.4807
6	83,049.964	2,502,341.59	10,166.228	29.1306	61	14,835.826	238,555.31	7,887.613	15.0797
7	80,615.584	2,419,291.63	10,150.779	29.0102	62	14,272.363	223,719.48	7,756.261	14.6750
8	78,254.137	2,338,676.04	10,137.359	28.8857	63	13,719.041	209,447.12	7,618.639	14.2669
9	75,962.628	2,260,421.90	10,125.097	28.7570	64	13,175.588	195,728.08	7,474.770	13.8554
10	73,738.963	2,184,459.28	10,113.935	28.6242	65	12,641.174	182,552.49	7,324.111	13.4411
11	71,581.835	2,110,720.31	10,104.544	28.4868	66	12,116.194	169,911.32	7,167.321	13.0235
12	69,486.406	2,039,138.48	10,094.023	28.3459	67	11,600.583	157,795.12	7,004.609	12.6023
13	67,451.635	1,969,652.07	10,083.128	28.2010	68	11,093.742	146,194.54	6,835.649	12.1781
14	65,473.141	1,902,200.44	10,069.245	28.0531	69	10,594.617	135,100.80	6,659.642	11.7518
15	63,548.826	1,836,727.30	10,051.914	27.9026	70	10,101.768	124,506.18	6,475.374	11.3252
16	61,677.325	1,773,178.47	10,031.350	27.7493	71	9,614.417	114,404.41	6,282.250	10.8993
17	59,856.697	1,711,501.15	10,007.149	27.5933	72	9,132.005	104,790.00	6,079.869	10.4750
18	58,087.453	1,651,644.45	9,981.304	27.4338	73	8,654.513	95,657.99	5,868.358	10.0530
19	56,368.782	1,593,557.00	9,954.500	27.2702	74	8,182.501	87,003.48	5,648.419	9.6329
20	54,700.396	1,537,188.21	9,927.924	27.1020	75	7,717.025	78,820.98	5,421.268	9.2139
21	53,081.378	1,482,487.82	9,902.121	26.9286	76	7,259.136	71,103.95	5,188.147	8.7951
22	51,509.224	1,429,406.44	9,876.027	26.7505	77	6,808.947	63,844.82	4,949.390	8.3766
23	49,983.621	1,377,897.22	9,850.692	26.5670	78	6,365.565	57,035.87	4,704.326	7.9601
24	48,503.191	1,327,913.60	9,826.096	26.3779	79	5,927.425	50,670.30	4,451.591	7.5485
25	47,066.596	1,279,410.40	9,802.215	26.1830	80	5,493.337	44,742.88	4,190.147	7.1449
26	45,672.076	1,232,343.81	9,778.567	25.9824	81	5,063.906	39,249.54	3,920.715	6.7508
27	44,319.312	1,186,671.73	9,756.057	25.7755	82	4,640.745	34,185.64	3,645.047	6.3664
28	43,005.730	1,142,352.42	9,733.329	25.5628	83	4,225.554	29,544.89	3,365.023	5.9920
29	41,730.221	1,099,346.69	9,710.415	25.3441	84	3,820.342	25,319.34	3,082.885	5.6275
30	40,491.295	1,057,616.47	9,686.931	25.1196	85	3,426.962	21,499.00	2,800.777	5.2735
31	39,287.537	1,017,125.17	9,662.532	24.8893	86	3,046.173	18,072.03	2,519.803	4.9327
32	38,117.998	977,837.64	9,637.290	24.6529	87	2,679.386	15,025.86	2,241.740	4.6079
33	36,981.750	939,719.64	9,611.276	24.4104	88	2,329.972	12,346.48	1,970.366	4.2990
34	35,878.257	902,737.89	9,584.920	24.1611	89	2,001.736	10,016.50	1,709.993	4.0039
35	34,805.895	866,859.63	9,557.556	23.9055	90	1,697.147	8,014.77	1,463.708	3.7225
36	33,764.528	832,053.74	9,529.953	23.6428	91	1,416.751	6,317.62	1,232.742	3.4592
37	32,752.287	798,289.21	9,501.145	23.3735	92	1,161.794	4,900.87	1,019.050	3.2184
38	31,768.091	765,536.92	9,470.899	23.0977	93	935.078	3,739.08	826.173	2.9987
39	30,811.231	733,768.83	9,439.323	22.8150	94	738.725	2,804.00	657.055	2.7957
40	29,880.708	702,957.60	9,406.215	22.5255	95	572.741	2,065.27	512.588	2.6059
41	28,975.574	673,076.89	9,371.393	22.2291	96	435.189	1,492.53	391.717	2.4296
42	28,094.638	644,101.32	9,334.406	21.9261	97	323.502	1,057.34	292.705	2.2684
43	27,237.353	616,006.68	9,295.410	21.6162	98	235.274	733.84	213.900	2.1191
44	26,402.631	588,769.33	9,254.010	21.2996	99	167.398	498.57	152.877	1.9783
45	25,589.197	562,366.70	9,209.584	20.9767	100	116.500	331.17	106.854	1.8427
46	24,795.871	536,777.50	9,161.574	20.6479	101	79.155	214.67	72.903	1.7120
47	24,021.815	511,981.63	9,109.729	20.3132	102	52.398	135.51	48.451	1.5863
48	23,266.249	487,959.81	9,053.827	19.9729	103	33.714	83.12	31.293	1.4653
49	22,528.679	464,693.57	8,993.915	19.6268	104	21.030	49.40	19.591	1.3491
50	21,808.862	442,164.89	8,930.273	19.2746	105	12.681	28.37	11.854	1.2375
51	21,105.884	420,356.02	8,862.505	18.9165	106	7.366	15.69	6.909	1.1303
52	20,418.046	399,250.14	8,789.401	18.5538	107	4.106	8.33	3.864	1.0276
53	19,745.273	378,832.10	8,711.328	18.1860	108	2.187	4.22	2.064	0.9291
54	19,087.073	359,086.82	8,628.233	17.8131	109	1.108	2.03	1.048	0.8347

**Table 6.D. -- Actuarial Functions at 4.0 Percent Interest for 1989-91 United States
White Females**

x	D_x	N_x	M_x	a_x	x	D_x	N_x	M_x	a_x
0	100,000.000	2,446,205.17	5,915.186	23.4621	55	10,840.391	177,983.31	3,994.879	15.4185
1	95,512.500	2,346,205.17	5,273.840	23.5644	56	10,369.184	167,142.92	3,940.610	15.1192
2	91,784.393	2,250,692.67	5,219.291	23.5215	57	9,913.482	156,773.73	3,883.723	14.8142
3	88,222.221	2,158,908.28	5,187.287	23.4713	58	9,472.252	146,860.25	3,823.781	14.5043
4	84,804.269	2,070,686.06	5,162.498	23.4172	59	9,044.860	137,388.00	3,760.706	14.1896
5	81,524.484	1,985,881.79	5,144.415	23.3593	60	8,630.439	128,343.14	3,694.164	13.8710
6	78,372.330	1,904,357.30	5,127.819	23.2988	61	8,229.032	119,712.70	3,624.697	13.5476
7	75,343.571	1,825,984.97	5,113.380	23.2354	62	7,840.374	111,483.67	3,552.540	13.2192
8	72,433.320	1,750,641.40	5,100.958	23.1690	63	7,463.947	103,643.29	3,477.666	12.8859
9	69,636.182	1,678,208.08	5,089.717	23.0997	64	7,099.351	96,179.35	3,400.146	12.5476
10	66,947.734	1,608,571.90	5,079.584	23.0273	65	6,745.901	89,080.00	3,319.747	12.2051
11	64,364.376	1,541,624.17	5,071.139	22.9515	66	6,403.577	82,334.10	3,236.881	11.8575
12	61,879.454	1,477,259.79	5,061.770	22.8732	67	6,072.117	75,930.52	3,151.713	11.5048
13	59,489.866	1,415,380.34	5,052.161	22.7920	68	5,750.986	69,858.40	3,064.124	11.1472
14	57,189.667	1,355,890.47	5,040.034	22.7087	69	5,439.429	64,107.42	2,973.760	10.7857
15	54,975.073	1,298,700.80	5,025.042	22.6234	70	5,136.525	58,667.99	2,880.064	10.4217
16	52,843.028	1,243,725.73	5,007.423	22.5362	71	4,841.711	53,531.46	2,782.808	10.0563
17	50,790.069	1,190,882.70	4,986.888	22.4472	72	4,554.554	48,689.75	2,681.872	9.6903
18	48,814.885	1,140,092.63	4,965.168	22.3554	73	4,274.903	44,135.20	2,577.395	9.3243
19	46,915.081	1,091,277.75	4,942.860	22.2607	74	4,002.889	39,860.29	2,469.801	8.9579
20	45,088.748	1,044,362.67	4,920.953	22.1624	75	3,738.878	35,857.40	2,359.747	8.5904
21	43,333.502	999,273.92	4,899.889	22.0601	76	3,483.214	32,118.53	2,247.887	8.2209
22	41,645.731	955,940.42	4,878.792	21.9541	77	3,235.781	28,635.31	2,134.423	7.8496
23	40,023.686	914,294.69	4,858.505	21.8438	78	2,995.988	25,399.53	2,019.083	7.4778
24	38,464.807	874,271.00	4,838.999	21.7291	79	2,762.950	22,403.54	1,901.275	7.1086
25	36,966.636	835,806.19	4,820.243	21.6097	80	2,535.987	19,640.59	1,780.580	6.7448
26	35,526.447	798,839.56	4,801.848	21.4858	81	2,315.263	17,104.60	1,657.394	6.3878
27	34,142.704	763,313.11	4,784.507	21.3566	82	2,101.388	14,789.34	1,532.567	6.0379
28	32,812.182	729,170.41	4,767.167	21.2226	83	1,894.987	12,687.95	1,406.988	5.6955
29	31,532.860	696,358.22	4,749.851	21.0836	84	1,696.792	10,792.97	1,281.678	5.3608
30	30,302.484	664,825.36	4,732.277	20.9396	85	1,507.438	9,096.18	1,157.585	5.0342
31	29,118.919	634,522.88	4,714.193	20.7907	86	1,327.054	7,588.74	1,035.180	4.7185
32	27,980.432	605,403.96	4,695.664	20.6367	87	1,156.041	6,261.68	915.207	4.4165
33	26,885.349	577,423.53	4,676.752	20.4773	88	995.618	5,105.64	799.247	4.1281
34	25,832.322	550,538.18	4,657.776	20.3120	89	847.135	4,110.02	689.057	3.8517
35	24,819.258	524,705.86	4,638.263	20.1411	90	711.327	3,262.89	585.831	3.5870
36	23,845.177	499,886.60	4,618.770	19.9638	91	588.094	2,551.56	489.957	3.3387
37	22,907.906	476,041.42	4,598.620	19.7807	92	477.624	1,963.47	402.106	3.1109
38	22,005.881	453,133.52	4,577.669	19.5915	93	380.723	1,485.84	323.575	2.9027
39	21,137.839	431,127.64	4,556.007	19.3960	94	297.885	1,105.12	255.380	2.7099
40	20,302.350	409,989.80	4,533.511	19.1942	95	228.732	807.24	197.685	2.5292
41	19,498.058	389,687.45	4,510.079	18.9860	96	172.128	578.50	149.878	2.3609
42	18,723.483	370,189.39	4,485.429	18.7714	97	126.722	406.38	111.093	2.2068
43	17,977.610	351,465.91	4,459.691	18.5502	98	91.275	279.65	80.520	2.0638
44	17,259.101	333,488.30	4,432.628	18.3225	99	64.319	188.38	57.073	1.9288
45	16,566.528	316,229.20	4,403.867	18.0884	100	44.332	124.06	39.560	1.7984
46	15,898.571	299,662.67	4,373.084	17.8484	101	29.831	79.73	26.765	1.6726
47	15,254.165	283,764.10	4,340.161	17.6024	102	19.557	49.90	17.638	1.5513
48	14,632.309	268,509.93	4,305.004	17.3505	103	12.463	30.34	11.296	1.4344
49	14,032.211	253,877.62	4,267.687	17.0925	104	7.699	17.88	7.012	1.3219
50	13,453.252	239,845.41	4,228.428	16.8281	105	4.598	10.18	4.206	1.2136
51	12,894.417	226,392.16	4,187.026	16.5574	106	2.645	5.58	2.430	1.1095
52	12,354.245	213,497.74	4,142.793	16.2813	107	1.460	2.93	1.348	1.0094
53	11,832.297	201,143.50	4,096.009	15.9995	108	0.770	1.47	0.714	0.9134
54	11,327.893	189,311.20	4,046.693	15.7120	109	0.386	0.70	0.359	0.8213

**Table 6.E. -- Actuarial Functions at 5.0 Percent Interest for 1989-91 United States
White Females**

x	D_x	N_x	M_x	a_x	x	D_x	N_x	M_x	a_x
0	100,000.000	2,026,757.53	3,487.737	19.2676	55	6,404.234	94,494.93	1,904.475	13.7551
1	94,602.857	1,926,757.53	2,852.499	19.3668	56	6,067.515	88,090.70	1,872.720	13.5184
2	90,044.444	1,832,154.67	2,798.984	19.3472	57	5,745.615	82,023.18	1,839.749	13.2758
3	85,725.516	1,742,110.23	2,767.886	19.3220	58	5,437.604	76,277.57	1,805.339	13.0278
4	81,619.490	1,656,384.71	2,744.027	19.2940	59	5,142.807	70,839.96	1,769.476	12.7746
5	77,715.610	1,574,765.22	2,726.790	19.2632	60	4,860.437	65,697.15	1,732.001	12.5167
6	73,999.196	1,497,049.61	2,711.119	19.2306	61	4,590.238	60,836.72	1,693.251	12.2535
7	70,461.922	1,423,050.42	2,697.616	19.1960	62	4,331.789	56,246.48	1,653.385	11.9846
8	67,095.086	1,352,588.50	2,686.110	19.1593	63	4,084.539	51,914.69	1,612.411	11.7100
9	63,889.768	1,285,493.41	2,675.796	19.1205	64	3,848.019	47,830.15	1,570.393	11.4298
10	60,838.190	1,221,603.64	2,666.587	19.0796	65	3,621.617	43,982.13	1,527.230	11.1443
11	57,933.532	1,160,765.45	2,658.987	19.0362	66	3,405.096	40,360.52	1,483.166	10.8530
12	55,166.440	1,102,831.92	2,650.634	18.9910	67	3,198.091	36,955.42	1,438.309	10.5555
13	52,530.981	1,047,665.48	2,642.149	18.9438	68	3,000.109	33,757.33	1,392.617	10.2520
14	50,018.900	995,134.50	2,631.543	18.8952	69	2,810.555	30,757.22	1,345.926	9.9435
15	47,624.060	945,115.60	2,618.555	18.8453	70	2,628.768	27,946.66	1,297.974	9.6311
16	45,341.130	897,491.54	2,603.437	18.7942	71	2,454.289	25,317.90	1,248.675	9.3158
17	43,164.576	852,150.41	2,585.986	18.7419	72	2,286.740	22,863.61	1,197.997	8.9983
18	41,090.838	808,985.83	2,567.703	18.6877	73	2,125.892	20,576.87	1,146.041	8.6792
19	39,115.532	767,895.00	2,549.103	18.6315	74	1,971.662	18,450.98	1,093.045	8.3581
20	37,234.796	728,779.47	2,531.012	18.5725	75	1,824.082	16,479.31	1,039.353	8.0343
21	35,444.482	691,544.67	2,513.783	18.5106	76	1,683.167	14,655.23	985.299	7.7069
22	33,739.557	656,100.19	2,496.691	18.4460	77	1,548.711	12,972.06	930.993	7.3760
23	32,116.633	622,360.63	2,480.412	18.3781	78	1,420.284	11,423.35	876.315	7.0430
24	30,571.766	590,244.00	2,464.909	18.3068	79	1,297.335	10,003.07	820.998	6.7105
25	29,101.202	559,672.23	2,450.144	18.2319	80	1,179.425	8,705.73	764.866	6.3813
26	27,701.087	530,571.03	2,435.800	18.1534	81	1,066.517	7,526.31	708.121	6.0569
27	26,368.596	502,869.94	2,422.408	18.0708	82	958.777	6,459.79	651.168	5.7375
28	25,099.683	476,501.35	2,409.143	17.9844	83	856.370	5,501.02	594.417	5.4236
29	23,891.341	451,401.66	2,396.024	17.8939	84	759.500	4,644.65	538.327	5.1154
30	22,740.470	427,510.32	2,382.835	17.7995	85	668.318	3,885.15	483.311	4.8133
31	21,644.148	404,769.85	2,369.393	17.7011	86	582.742	3,216.83	429.559	4.5202
32	20,599.833	383,125.70	2,355.752	17.5985	87	502.811	2,634.09	377.378	4.2387
33	19,605.098	362,525.87	2,341.961	17.4914	88	428.912	2,131.28	327.423	3.9690
34	18,657.816	342,920.77	2,328.255	17.3795	89	361.470	1,702.36	280.405	3.7096
35	17,755.389	324,262.96	2,314.296	17.2628	90	300.630	1,340.89	236.778	3.4603
36	16,896.082	306,507.57	2,300.483	17.1407	91	246.181	1,040.26	196.645	3.2256
37	16,077.365	289,611.49	2,286.342	17.0136	92	198.033	794.08	160.220	3.0098
38	15,297.212	273,534.12	2,271.778	16.8813	93	156.353	596.05	127.969	2.8122
39	14,553.859	258,236.91	2,256.863	16.7435	94	121.168	439.70	100.230	2.6288
40	13,845.477	243,683.05	2,241.522	16.6002	95	92.153	318.53	76.985	2.4565
41	13,170.340	229,837.57	2,225.694	16.4511	96	68.688	226.38	57.908	2.2957
42	12,526.690	216,667.23	2,209.203	16.2964	97	50.087	157.69	42.578	2.1483
43	11,913.125	204,140.54	2,192.147	16.1358	98	35.733	107.60	30.609	2.0112
44	11,328.070	192,227.42	2,174.384	15.9691	99	24.940	71.87	21.518	1.8816
45	10,769.941	180,899.35	2,155.686	15.7967	100	17.026	46.93	14.792	1.7562
46	10,237.265	170,129.41	2,135.865	15.6186	101	11.348	29.90	9.924	1.6349
47	9,728.779	159,892.14	2,114.867	15.4350	102	7.369	18.55	6.485	1.5178
48	9,243.295	150,163.36	2,092.658	15.2457	103	4.651	11.18	4.118	1.4047
49	8,779.789	140,920.07	2,069.309	15.0505	104	2.846	6.53	2.535	1.2956
50	8,337.374	132,140.28	2,044.980	14.8491	105	1.683	3.69	1.508	1.1905
51	7,914.942	123,802.91	2,019.566	14.6417	106	0.959	2.00	0.864	1.0893
52	7,511.148	115,887.96	1,992.673	14.4288	107	0.525	1.04	0.475	0.9919
53	7,125.301	108,376.82	1,964.500	14.2101	108	0.274	0.52	0.249	0.8982
54	6,756.586	101,251.52	1,935.085	13.9856	109	0.136	0.25	0.124	0.8082

**Table 6.F. -- Actuarial Functions at 6.0 Percent Interest for 1989-91 United States
White Females**

x	D_x	N_x	M_x	a_x	x	D_x	N_x	M_x	a_x
0	100,000.000	1,726,419.43	2,278.146	16.2642	55	3,802.384	50,835.63	924.896	12.3694
1	93,710.377	1,626,419.43	1,648.900	16.3558	56	3,568.479	47,033.25	906.219	12.1802
2	88,353.507	1,532,709.05	1,596.391	16.3475	57	3,347.282	43,464.77	887.012	11.9851
3	83,322.138	1,444,355.54	1,566.164	16.3346	58	3,137.955	40,117.49	867.154	11.7846
4	78,582.820	1,361,033.40	1,543.194	16.3197	59	2,939.834	36,979.53	846.653	11.5788
5	74,118.296	1,282,450.58	1,526.754	16.3028	60	2,752.208	34,039.70	825.433	11.3681
6	69,908.117	1,208,332.29	1,511.950	16.2846	61	2,574.688	31,287.49	803.698	11.1520
7	65,938.418	1,138,424.17	1,499.314	16.2650	62	2,406.801	28,712.80	781.548	10.9299
8	62,195.388	1,072,485.75	1,488.648	16.2438	63	2,248.016	26,306.00	758.997	10.7019
9	58,665.424	1,010,290.36	1,479.177	16.2212	64	2,097.862	24,057.99	736.090	10.4679
10	55,336.364	951,624.94	1,470.801	16.1971	65	1,955.806	21,960.12	712.780	10.2282
11	52,197.269	896,288.58	1,463.953	16.1712	66	1,821.528	20,004.32	689.209	9.9822
12	49,235.252	844,091.31	1,456.499	16.1440	67	1,694.654	18,182.79	665.439	9.7295
13	46,440.849	794,856.06	1,448.997	16.1155	68	1,574.746	16,488.14	641.455	9.4703
14	43,802.834	748,415.21	1,439.709	16.0860	69	1,461.333	14,913.39	617.178	9.2053
15	41,312.162	704,612.37	1,428.443	16.0558	70	1,353.919	13,452.06	592.481	8.9356
16	38,960.747	663,300.21	1,415.452	16.0248	71	1,252.130	12,098.14	567.330	8.6620
17	36,740.567	624,339.46	1,400.598	15.9932	72	1,155.644	10,846.01	541.719	8.3853
18	34,645.498	587,598.90	1,385.183	15.9603	73	1,064.221	9,690.36	515.710	8.1056
19	32,668.897	552,953.40	1,369.649	15.9260	74	977.702	8,626.14	489.430	7.8229
20	30,804.748	520,284.50	1,354.682	15.8898	75	895.987	7,648.44	463.057	7.5363
21	29,046.964	489,479.75	1,340.562	15.8513	76	818.970	6,752.45	436.756	7.2451
22	27,388.921	460,432.79	1,326.687	15.8109	77	746.440	5,933.48	410.582	6.9490
23	25,825.514	433,043.87	1,313.597	15.7681	78	678.083	5,187.04	384.477	6.6496
24	24,351.344	407,218.35	1,301.248	15.7226	79	613.541	4,508.96	358.317	6.3491
25	22,961.316	382,867.01	1,289.598	15.6744	80	552.516	3,895.42	332.021	6.0503
26	21,650.409	359,905.69	1,278.388	15.6235	81	494.909	3,342.90	305.688	5.7546
27	20,414.545	338,255.29	1,268.020	15.5693	82	440.716	2,847.99	279.509	5.4622
28	19,248.832	317,840.74	1,257.847	15.5122	83	389.930	2,407.28	253.669	5.1736
29	18,149.310	298,591.91	1,247.881	15.4520	84	342.560	2,017.35	228.370	4.8890
30	17,112.066	280,442.60	1,237.957	15.3886	85	298.590	1,674.79	203.790	4.6090
31	16,133.439	263,330.53	1,227.937	15.3220	86	257.900	1,376.20	180.002	4.3362
32	15,210.153	247,197.09	1,217.865	15.2521	87	220.426	1,118.30	157.126	4.0733
33	14,339.114	231,986.94	1,207.778	15.1786	88	186.256	897.87	135.433	3.8206
34	13,517.537	217,647.83	1,197.848	15.1011	89	155.488	711.62	115.208	3.5766
35	12,742.375	204,130.29	1,187.830	15.0198	90	128.098	556.13	96.619	3.3414
36	12,011.289	191,387.91	1,178.011	14.9340	91	103.908	428.03	79.679	3.1193
37	11,321.447	179,376.62	1,168.053	14.8440	92	82.797	324.12	64.450	2.9147
38	10,670.451	168,055.18	1,157.894	14.7496	93	64.754	241.32	51.094	2.7268
39	10,056.158	157,384.73	1,147.588	14.6506	94	49.708	176.57	39.714	2.5521
40	9,476.441	147,328.57	1,137.088	14.5468	95	37.449	126.86	30.268	2.3876
41	8,929.308	137,852.13	1,126.357	14.4382	96	27.650	89.41	22.588	2.2338
42	8,412.800	128,922.82	1,115.281	14.3246	97	19.972	61.76	16.476	2.0926
43	7,925.257	120,510.02	1,103.935	14.2058	98	14.114	41.79	11.748	1.9611
44	7,464.952	112,584.76	1,092.230	14.0818	99	9.758	27.68	8.191	1.8365
45	7,030.202	105,119.81	1,080.024	13.9526	100	6.599	17.92	5.584	1.7158
46	6,619.450	98,089.61	1,067.208	13.8184	101	4.357	11.32	3.716	1.5988
47	6,231.315	91,470.16	1,053.759	13.6791	102	2.802	6.97	2.408	1.4856
48	5,864.508	85,238.85	1,039.668	13.5347	103	1.752	4.16	1.516	1.3762
49	5,517.881	79,374.34	1,024.994	13.3849	104	1.062	2.41	0.925	1.2704
50	5,190.402	73,856.46	1,009.848	13.2294	105	0.622	1.35	0.546	1.1683
51	4,880.933	68,666.05	994.176	13.0682	106	0.351	0.73	0.310	1.0698
52	4,588.227	63,785.12	977.748	12.9019	107	0.190	0.38	0.169	0.9749
53	4,311.468	59,196.89	960.701	12.7301	108	0.098	0.19	0.088	0.8835
54	4,049.792	54,885.43	943.070	12.5527	109	0.048	0.09	0.044	0.7956

**Table 6.G. -- Actuarial Functions at 7.0 Percent Interest for 1989-91 United States
White Females**

x	D_x	N_x	M_x	a_x	x	D_x	N_x	M_x	a_x
0	100,000.000	1,503,349.59	1,650.027	14.0335	55	2,268.667	27,687.62	457.328	11.2044
1	92,834.579	1,403,349.59	1,026.663	14.1167	56	2,109.211	25,418.95	446.289	11.0514
2	86,709.756	1,310,515.01	975.130	14.1138	57	1,959.978	23,309.74	435.042	10.8929
3	81,007.769	1,223,805.25	945.743	14.1073	58	1,820.237	21,349.76	423.523	10.7291
4	75,686.071	1,142,797.48	923.619	14.0992	59	1,689.375	19,529.52	411.742	10.5602
5	70,718.960	1,067,111.41	907.933	14.0895	60	1,566.775	17,840.15	399.662	10.3865
6	66,078.493	996,392.45	893.940	14.0789	61	1,452.018	16,273.37	387.405	10.2074
7	61,743.769	930,313.96	882.108	14.0673	62	1,344.651	14,821.35	375.030	10.0225
8	57,694.563	868,570.19	872.214	14.0546	63	1,244.202	13,476.70	362.549	9.8316
9	53,911.449	810,875.63	863.511	14.0409	64	1,150.246	12,232.50	349.989	9.6347
10	50,376.907	756,964.18	855.886	14.0260	65	1,062.335	11,082.26	337.328	9.4320
11	47,075.045	706,587.27	849.709	14.0098	66	980.153	10,019.92	324.644	9.2228
12	43,988.709	659,512.23	843.049	13.9928	67	903.360	9,039.77	311.973	9.0068
13	41,104.303	615,523.52	836.410	13.9747	68	831.596	8,136.41	299.308	8.7841
14	38,407.093	574,419.21	828.266	13.9561	69	764.492	7,304.81	286.607	8.5551
15	35,884.693	536,012.12	818.480	13.9371	70	701.679	6,540.32	273.808	8.3210
16	33,525.918	500,127.43	807.301	13.9176	71	642.862	5,838.64	260.895	8.0823
17	31,319.971	466,601.51	794.638	13.8979	72	587.779	5,195.78	247.869	7.8397
18	29,257.983	435,281.54	781.620	13.8774	73	536.222	4,608.00	234.764	7.5935
19	27,330.913	406,023.56	768.624	13.8558	74	488.024	4,071.78	221.646	7.3434
20	25,530.505	378,692.64	756.220	13.8329	75	443.056	3,583.75	208.605	7.0887
21	23,848.693	353,162.14	744.628	13.8084	76	401.187	3,140.70	195.721	6.8285
22	22,277.212	329,313.44	733.342	13.7825	77	362.239	2,739.51	183.019	6.5627
23	20,809.277	307,036.23	722.795	13.7548	78	325.991	2,377.27	170.469	6.2924
24	19,438.065	286,226.96	712.937	13.7251	79	292.205	2,051.28	158.010	6.0200
25	18,157.204	266,788.89	703.725	13.6933	80	260.683	1,759.08	145.603	5.7480
26	16,960.567	248,631.69	694.943	13.6594	81	231.321	1,498.39	133.295	5.4776
27	15,842.951	231,671.12	686.896	13.6230	82	204.066	1,267.07	121.173	5.2091
28	14,798.675	215,828.17	679.076	13.5843	83	178.863	1,063.01	109.320	4.9431
29	13,822.947	201,029.49	671.485	13.5432	84	155.665	884.14	97.824	4.6798
30	12,911.154	187,206.55	663.997	13.4996	85	134.416	728.48	86.759	4.4196
31	12,059.010	174,295.39	656.508	13.4535	86	115.014	594.06	76.150	4.1651
32	11,262.645	162,236.38	649.050	13.4048	87	97.383	479.05	66.044	3.9192
33	10,518.437	150,973.74	641.651	13.3532	88	81.518	381.66	56.549	3.6820
34	9,823.099	140,455.30	634.435	13.2985	89	67.416	300.15	47.780	3.4521
35	9,173.255	130,632.20	627.223	13.2406	90	55.021	232.73	39.796	3.2298
36	8,566.132	121,458.94	620.220	13.1790	91	44.214	177.71	32.588	3.0193
37	7,998.696	112,892.81	613.184	13.1139	92	34.902	133.49	26.168	2.8249
38	7,468.306	104,894.12	606.074	13.0452	93	27.041	98.59	20.591	2.6461
39	6,972.580	97,425.81	598.928	12.9727	94	20.564	71.55	15.883	2.4795
40	6,509.217	90,453.23	591.716	12.8962	95	15.347	50.99	12.012	2.3223
41	6,076.078	83,944.01	584.414	12.8155	96	11.226	35.64	8.894	2.1750
42	5,671.112	77,867.94	576.948	12.7306	97	8.033	24.42	6.435	2.0395
43	5,292.527	72,196.82	569.371	12.6413	98	5.624	16.38	4.552	1.9133
44	4,938.543	66,904.30	561.627	12.5474	99	3.852	10.76	3.148	1.7935
45	4,607.462	61,965.75	553.628	12.4490	100	2.580	6.91	2.128	1.6771
46	4,297.718	57,358.29	545.307	12.3462	101	1.688	4.33	1.405	1.5642
47	4,007.909	53,060.57	536.656	12.2390	102	1.075	2.64	0.903	1.4547
48	3,736.731	49,052.66	527.678	12.1272	103	0.666	1.56	0.564	1.3487
49	3,483.009	45,315.93	518.415	12.0106	104	0.400	0.90	0.341	1.2461
50	3,245.677	41,832.92	508.944	11.8888	105	0.232	0.50	0.200	1.1469
51	3,023.635	38,587.25	499.236	11.7619	106	0.130	0.27	0.112	1.0510
52	2,815.746	35,563.61	489.154	11.6303	107	0.070	0.14	0.061	0.9585
53	2,621.174	32,747.87	478.790	11.4936	108	0.036	0.07	0.031	0.8693
54	2,439.077	30,126.69	468.172	11.3517	109	0.017	0.03	0.015	0.7833

**Table 6.H. -- Actuarial Functions at 8.0 Percent Interest for 1989-91 United States
White Females**

x	D_x	N_x	M_x	a_x	x	D_x	N_x	M_x	a_x
0	100,000.000	1,332,342.02	1,307.998	12.3234	55	1,360.104	15,255.08	230.098	10.2161
1	91,975.000	1,232,342.02	690.406	12.3987	56	1,252.799	13,894.98	223.541	10.0911
2	85,111.454	1,140,367.02	639.823	12.3985	57	1,153.380	12,642.18	216.923	9.9610
3	78,778.324	1,055,255.57	611.245	12.3953	58	1,061.229	11,488.80	210.207	9.8259
4	72,921.577	976,477.24	589.929	12.3908	59	975.815	10,427.57	203.402	9.6860
5	67,505.006	903,555.67	574.956	12.3850	60	896.619	9,451.75	196.489	9.5415
6	62,491.401	836,050.66	561.723	12.3787	61	823.253	8,555.13	189.539	9.3919
7	57,851.322	773,559.26	550.636	12.3715	62	755.320	7,731.88	182.588	9.2366
8	53,556.855	715,707.94	541.452	12.3635	63	692.424	6,976.56	175.642	9.0756
9	49,581.676	662,151.08	533.448	12.3548	64	634.208	6,284.14	168.717	8.9086
10	45,902.011	612,569.41	526.500	12.3452	65	580.314	5,649.93	161.801	8.7360
11	42,496.287	566,667.40	520.924	12.3345	66	530.463	5,069.61	154.936	8.5570
12	39,342.457	524,171.11	514.968	12.3233	67	484.376	4,539.15	148.142	8.3711
13	36,422.318	484,828.65	509.084	12.3113	68	441.768	4,054.78	141.414	8.1785
14	33,717.219	448,406.33	501.935	12.2990	69	402.360	3,613.01	134.730	7.9795
15	31,211.135	414,689.12	493.423	12.2866	70	365.881	3,210.65	128.056	7.7751
16	28,889.567	383,477.98	483.791	12.2739	71	332.108	2,844.77	121.384	7.5658
17	26,738.788	354,588.41	472.980	12.2612	72	300.840	2,512.66	114.717	7.3521
18	24,747.126	327,849.62	461.969	12.2480	73	271.910	2,211.82	108.072	7.1344
19	22,903.116	303,102.50	451.079	12.2341	74	245.179	1,939.91	101.482	6.9122
20	21,196.290	280,199.38	440.780	12.2193	75	220.526	1,694.73	94.991	6.6849
21	19,616.659	259,003.09	431.245	12.2032	76	197.837	1,474.20	88.637	6.4516
22	18,154.376	239,386.43	422.048	12.1862	77	176.977	1,276.37	82.432	6.2120
23	16,801.092	221,232.06	413.532	12.1677	78	157.793	1,099.39	76.357	5.9673
24	15,548.682	204,430.97	405.647	12.1478	79	140.130	941.60	70.382	5.7195
25	14,389.626	188,882.28	398.346	12.1263	80	123.855	801.47	64.487	5.4710
26	13,316.833	174,492.66	391.451	12.1032	81	108.887	677.61	58.694	5.2231
27	12,324.142	161,175.82	385.192	12.0781	82	95.168	568.72	53.041	4.9760
28	11,405.215	148,851.68	379.164	12.0512	83	82.642	473.56	47.564	4.7302
29	10,554.588	137,446.47	373.368	12.0224	84	71.258	390.91	42.301	4.4859
30	9,767.102	126,891.88	367.704	11.9918	85	60.961	319.66	37.283	4.2436
31	9,038.000	117,124.78	362.091	11.9591	86	51.679	258.69	32.516	4.0058
32	8,362.981	108,086.78	356.553	11.9244	87	43.352	207.02	28.017	3.7752
33	7,738.057	99,723.80	351.110	11.8874	88	35.953	163.66	23.830	3.5521
34	7,159.609	91,985.74	345.850	11.8479	89	29.458	127.71	19.998	3.3353
35	6,624.059	84,826.13	340.642	11.8058	90	23.819	98.25	16.542	3.1249
36	6,128.378	78,202.07	335.632	11.7606	91	18.964	74.43	13.450	2.9250
37	5,669.438	72,073.69	330.646	11.7127	92	14.831	55.47	10.722	2.7401
38	5,244.486	66,404.25	325.652	11.6617	93	11.384	40.64	8.374	2.5697
39	4,851.034	61,159.77	320.681	11.6076	94	8.577	29.25	6.410	2.4107
40	4,486.727	56,308.73	315.710	11.5501	95	6.342	20.68	4.811	2.2602
41	4,149.390	51,822.01	310.723	11.4891	96	4.596	14.33	3.534	2.1190
42	3,836.977	47,672.62	305.672	11.4245	97	3.258	9.74	2.537	1.9890
43	3,547.677	43,835.64	300.593	11.3562	98	2.260	6.48	1.780	1.8676
44	3,279.743	40,287.96	295.450	11.2839	99	1.534	4.22	1.221	1.7523
45	3,031.536	37,008.22	290.187	11.2077	100	1.018	2.69	0.819	1.6400
46	2,801.554	33,976.68	284.762	11.1278	101	0.660	1.67	0.536	1.5310
47	2,588.445	31,175.13	279.176	11.0440	102	0.416	1.01	0.342	1.4250
48	2,390.963	28,586.69	273.431	10.9561	103	0.256	0.59	0.212	1.3223
49	2,207.983	26,195.72	267.559	10.8641	104	0.152	0.34	0.127	1.2227
50	2,038.480	23,987.74	261.610	10.7675	105	0.087	0.19	0.074	1.1262
51	1,881.440	21,949.26	255.569	10.6662	106	0.048	0.10	0.041	1.0328
52	1,735.859	20,067.82	249.354	10.5607	107	0.026	0.05	0.022	0.9426
53	1,600.947	18,331.96	243.024	10.4507	108	0.013	0.02	0.011	0.8555
54	1,475.933	16,731.01	236.599	10.3359	109	0.006	0.01	0.005	0.7714

**Table 6.I. -- Actuarial Functions at 9.0 Percent Interest for 1989-91 United States
White Females**

x	D_x	N_x	M_x	a_x	x	D_x	N_x	M_x	a_x
0	100,000.000	1,197,650.40	1,111.435	10.9765	55	819.259	8,496.43	117.719	9.3709
1	91,131.193	1,097,650.40	499.508	11.0447	56	747.701	7,677.17	113.806	9.2677
2	83,556.940	1,006,519.21	449.849	11.0459	57	682.050	6,929.47	109.892	9.1598
3	76,629.944	922,962.27	422.050	11.0444	58	621.799	6,247.42	105.957	9.0473
4	70,282.157	846,332.33	401.506	11.0419	59	566.507	5,625.62	102.006	8.9304
5	64,464.744	776,050.17	387.208	11.0384	60	515.755	5,059.11	98.030	8.8091
6	59,129.446	711,585.42	374.686	11.0344	61	469.209	4,543.36	94.069	8.6830
7	54,236.804	652,455.98	364.292	11.0298	62	426.541	4,074.15	90.143	8.5516
8	49,750.004	598,219.17	355.761	11.0245	63	387.436	3,647.61	86.257	8.4148
9	45,634.839	548,469.17	348.394	11.0187	64	351.606	3,260.17	82.418	8.2722
10	41,860.489	502,834.33	342.058	11.0121	65	318.775	2,908.57	78.618	8.1242
11	38,399.080	460,973.84	337.020	11.0048	66	288.718	2,589.79	74.882	7.9700
12	35,223.181	422,574.76	331.687	10.9971	67	261.215	2,301.07	71.218	7.8091
13	32,309.626	387,351.58	326.468	10.9887	68	236.052	2,039.86	67.623	7.6416
14	29,635.574	355,041.96	320.184	10.9803	69	213.022	1,803.81	64.084	7.4677
15	27,181.188	325,406.38	312.771	10.9717	70	191.932	1,590.78	60.583	7.2883
16	24,928.558	298,225.19	304.459	10.9632	71	172.617	1,398.85	57.116	7.1038
17	22,860.994	273,296.64	295.216	10.9547	72	154.931	1,226.23	53.682	6.9147
18	20,964.061	250,435.64	285.889	10.9460	73	138.748	1,071.30	50.291	6.7212
19	19,223.942	229,471.58	276.748	10.9368	74	123.960	932.56	46.959	6.5231
20	17,628.080	210,247.64	268.183	10.9269	75	110.473	808.60	43.708	6.3194
21	16,164.693	192,619.56	260.325	10.9161	76	98.197	698.12	40.554	6.1094
22	14,822.484	176,454.87	252.816	10.9045	77	87.037	599.93	37.502	5.8927
23	13,591.720	161,632.38	245.927	10.8920	78	76.891	512.89	34.542	5.6704
24	12,463.148	148,040.66	239.607	10.8783	79	67.657	436.00	31.657	5.4442
25	11,428.282	135,577.51	233.809	10.8633	80	59.251	368.34	28.837	5.2166
26	10,479.237	124,149.23	228.383	10.8472	81	51.612	309.09	26.091	4.9887
27	9,609.098	113,670.00	223.502	10.8294	82	44.696	257.48	23.436	4.7607
28	8,811.030	104,060.90	218.846	10.8103	83	38.457	212.78	20.888	4.5330
29	8,079.077	95,249.87	214.409	10.7897	84	32.855	174.33	18.461	4.3059
30	7,407.701	87,170.79	210.113	10.7676	85	27.850	141.47	16.169	4.0798
31	6,791.838	79,763.09	205.895	10.7440	86	23.393	113.62	14.011	3.8571
32	6,226.921	72,971.25	201.772	10.7187	87	19.443	90.23	11.993	3.6406
33	5,708.756	66,744.33	197.756	10.6916	88	15.977	70.78	10.132	3.4304
34	5,233.546	61,035.57	193.911	10.6624	89	12.971	54.81	8.445	3.2255
35	4,797.646	55,802.03	190.140	10.6311	90	10.392	41.84	6.937	3.0260
36	4,397.915	51,004.38	186.544	10.5974	91	8.197	31.45	5.601	2.8361
37	4,031.239	46,606.47	182.998	10.5613	92	6.352	23.25	4.433	2.6599
38	3,694.866	42,575.23	179.481	10.5228	93	4.831	16.90	3.436	2.4974
39	3,386.315	38,880.36	176.010	10.4816	94	3.607	12.06	2.610	2.3453
40	3,103.273	35,494.05	172.572	10.4376	95	2.642	8.46	1.944	2.2012
41	2,843.622	32,390.77	169.154	10.3907	96	1.897	5.82	1.417	2.0657
42	2,605.397	29,547.15	165.724	10.3407	97	1.333	3.92	1.009	1.9407
43	2,386.856	26,941.75	162.307	10.2876	98	0.916	2.59	0.702	1.8239
44	2,186.347	24,554.90	158.879	10.2310	99	0.616	1.67	0.478	1.7128
45	2,002.347	22,368.55	155.403	10.1712	100	0.405	1.05	0.318	1.6045
46	1,833.466	20,366.20	151.853	10.1080	101	0.260	0.65	0.206	1.4991
47	1,678.456	18,532.74	148.230	10.0415	102	0.163	0.39	0.130	1.3965
48	1,536.177	16,854.28	144.539	9.9716	103	0.099	0.23	0.080	1.2968
49	1,405.599	15,318.10	140.801	9.8979	104	0.058	0.13	0.048	1.2001
50	1,285.788	13,912.51	137.049	9.8202	105	0.033	0.07	0.027	1.1062
51	1,175.846	12,626.72	133.273	9.7384	106	0.018	0.04	0.015	1.0153
52	1,074.910	11,450.87	129.425	9.6529	107	0.010	0.02	0.008	0.9272
53	982.272	10,375.96	125.541	9.5632	108	0.005	0.01	0.004	0.8421
54	897.261	9,393.69	121.635	9.4693	109	0.002	0.00	0.002	0.7599

**Table 6.J. -- Actuarial Functions at 10.0 Percent Interest for 1989-91 United States
White Females**

x	D_x	N_x	M_x	a_x	x	D_x	N_x	M_x	a_x
0	100,000.000	1,089,092.94	991.551	9.8909	55	495.771	4,780.36	61.193	8.6423
1	90,302.727	989,092.94	385.187	9.9531	56	448.354	4,284.58	58.847	8.5562
2	82,044.628	898,790.21	336.427	9.9549	57	405.269	3,836.23	56.521	8.4659
3	74,558.978	816,745.59	309.380	9.9544	58	366.110	3,430.96	54.204	8.3714
4	67,761.082	742,186.61	289.572	9.9530	59	330.522	3,064.85	51.899	8.2728
5	61,587.323	674,425.52	275.912	9.9507	60	298.176	2,734.33	49.600	8.1702
6	55,976.622	612,838.20	264.058	9.9481	61	268.800	2,436.15	47.331	8.0631
7	50,878.088	556,861.58	254.308	9.9450	62	242.135	2,167.35	45.103	7.9510
8	46,244.877	505,983.49	246.377	9.9414	63	217.936	1,925.22	42.916	7.8339
9	42,034.011	459,738.62	239.592	9.9373	64	195.984	1,707.28	40.776	7.7113
10	38,206.954	417,704.60	233.809	9.9327	65	176.069	1,511.30	38.678	7.5836
11	34,729.039	379,497.65	229.252	9.9274	66	158.018	1,335.23	36.633	7.4499
12	31,567.074	344,768.61	224.473	9.9218	67	141.665	1,177.21	34.646	7.3098
13	28,692.705	313,201.54	219.838	9.9157	68	126.855	1,035.55	32.714	7.1632
14	26,078.747	284,508.83	214.308	9.9096	69	113.438	908.69	30.830	7.0105
15	23,701.489	258,430.08	207.845	9.9035	70	101.278	795.25	28.982	6.8522
16	21,539.626	234,728.60	200.663	9.8975	71	90.258	693.98	27.169	6.6888
17	19,573.564	213,188.97	192.749	9.8917	72	80.274	603.72	25.390	6.5208
18	17,786.236	193,615.41	184.835	9.8857	73	71.235	523.44	23.649	6.3481
19	16,161.620	175,829.17	177.150	9.8794	74	63.064	452.21	21.954	6.1706
20	14,685.247	159,667.55	170.015	9.8726	75	55.692	389.15	20.315	5.9875
21	13,343.738	144,982.30	163.529	9.8652	76	49.053	333.45	18.740	5.7978
22	12,124.529	131,638.56	157.387	9.8572	77	43.083	284.40	17.229	5.6012
23	11,016.715	119,514.03	151.803	9.8484	78	37.715	241.32	15.777	5.3985
24	10,010.119	108,497.32	146.727	9.8388	79	32.884	203.60	14.375	5.1915
25	9,095.494	98,487.20	142.112	9.8281	80	28.536	170.72	13.017	4.9825
26	8,264.351	89,391.71	137.833	9.8165	81	24.632	142.18	11.706	4.7723
27	7,509.233	81,127.35	134.019	9.8037	82	21.137	117.55	10.450	4.5614
28	6,822.970	73,618.12	130.413	9.7897	83	18.021	96.41	9.256	4.3500
29	6,199.295	66,795.15	127.009	9.7746	84	15.256	78.39	8.130	4.1384
30	5,632.457	60,595.86	123.742	9.7583	85	12.814	63.14	7.075	3.9270
31	5,117.237	54,963.40	120.564	9.7408	86	10.666	50.32	6.091	3.7181
32	4,648.955	49,846.16	117.486	9.7220	87	8.784	39.66	5.179	3.5144
33	4,223.352	45,197.21	114.515	9.7017	88	7.153	30.87	4.346	3.3161
34	3,836.593	40,973.86	111.697	9.6798	89	5.754	23.72	3.598	3.1222
35	3,485.071	37,137.26	108.957	9.6561	90	4.568	17.97	2.935	2.9328
36	3,165.659	33,652.19	106.369	9.6304	91	3.571	13.40	2.353	2.7520
37	2,875.343	30,486.53	103.839	9.6027	92	2.742	9.83	1.848	2.5840
38	2,611.461	27,611.19	101.353	9.5731	93	2.066	7.08	1.422	2.4287
39	2,371.625	24,999.73	98.923	9.5412	94	1.529	5.02	1.072	2.2832
40	2,153.637	22,628.10	96.536	9.5069	95	1.110	3.49	0.792	2.1450
41	1,955.502	20,474.47	94.186	9.4702	96	0.790	2.38	0.573	2.0148
42	1,775.391	18,518.97	91.849	9.4309	97	0.550	1.59	0.405	1.8946
43	1,611.685	16,743.57	89.542	9.3889	98	0.374	1.04	0.280	1.7822
44	1,462.874	15,131.89	87.248	9.3439	99	0.249	0.67	0.189	1.6750
45	1,327.581	13,669.02	84.943	9.2962	100	0.162	0.42	0.125	1.5704
46	1,204.559	12,341.43	82.611	9.2456	101	0.103	0.26	0.080	1.4684
47	1,092.696	11,136.88	80.252	9.1921	102	0.064	0.15	0.050	1.3690
48	990.979	10,044.18	77.871	9.1356	103	0.039	0.09	0.031	1.2723
49	898.500	9,053.20	75.482	9.0759	104	0.023	0.05	0.018	1.1782
50	814.442	8,154.70	73.105	9.0126	105	0.013	0.03	0.010	1.0869
51	738.032	7,340.26	70.735	8.9457	106	0.007	0.01	0.006	0.9983
52	668.544	6,602.23	68.342	8.8755	107	0.004	0.01	0.003	0.9123
53	605.374	5,933.68	65.948	8.8017	108	0.002	0.00	0.002	0.8292
54	547.954	5,328.31	63.563	8.7240	109	0.001	0.00	0.001	0.7487

**Table 6.K. -- Actuarial Functions at 11.0 Percent Interest for 1989-91 United States
White Females**

x	D_x	N_x	M_x	a_x	x	D_x	N_x	M_x	a_x
0	100,000.000	999,870.73	913.711	8.9987	55	301.380	2,715.31	32.295	8.0096
1	89,489.189	899,870.73	312.810	9.0556	56	270.100	2,413.93	30.882	7.9372
2	80,573.005	810,381.54	264.925	9.0577	57	241.945	2,143.83	29.493	7.8608
3	72,561.970	729,808.54	238.602	9.0577	58	216.598	1,901.89	28.122	7.7807
4	65,352.041	657,246.57	219.498	9.0570	59	193.782	1,685.29	26.771	7.6968
5	58,862.657	591,894.53	206.442	9.0555	60	173.243	1,491.51	25.435	7.6094
6	53,018.193	533,031.87	195.215	9.0538	61	154.768	1,318.27	24.129	7.5177
7	47,754.986	480,013.68	186.064	9.0516	62	138.159	1,163.50	22.857	7.4214
8	43,015.134	432,258.69	178.687	9.0490	63	123.231	1,025.34	21.621	7.3204
9	38,746.118	389,243.56	172.432	9.0460	64	109.820	902.11	20.422	7.2144
10	34,901.130	350,497.44	167.149	9.0426	65	97.772	792.29	19.257	7.1034
11	31,438.334	315,596.31	163.025	9.0386	66	86.957	694.52	18.132	6.9868
12	28,318.536	284,157.98	158.737	9.0343	67	77.256	607.56	17.048	6.8642
13	25,508.075	255,839.44	154.617	9.0297	68	68.556	530.30	16.004	6.7353
14	22,975.375	230,331.36	149.745	9.0251	69	60.753	461.75	14.994	6.6004
15	20,692.893	207,355.99	144.102	9.0206	70	53.752	400.99	14.014	6.4600
16	18,636.033	186,663.10	137.888	9.0162	71	47.472	347.24	13.060	6.3147
17	16,782.433	168,027.06	131.103	9.0121	72	41.840	299.77	12.133	6.1646
18	15,112.585	151,244.63	124.379	9.0079	73	36.794	257.93	11.234	6.0100
19	13,608.471	136,132.04	117.908	9.0035	74	32.281	221.13	10.366	5.8504
20	12,253.930	122,523.57	111.954	8.9987	75	28.250	188.85	9.535	5.6851
21	11,034.213	110,269.64	106.590	8.9934	76	24.659	160.60	8.743	5.5131
22	9,935.699	99,235.43	101.557	8.9878	77	21.462	135.95	7.990	5.3341
23	8,946.545	89,299.73	97.022	8.9815	78	18.619	114.48	7.273	5.1488
24	8,055.866	80,353.19	92.937	8.9745	79	16.088	95.86	6.588	4.9589
25	7,253.856	72,297.32	89.257	8.9667	80	13.835	79.78	5.929	4.7663
26	6,531.624	65,043.47	85.875	8.9582	81	11.834	65.94	5.299	4.5721
27	5,881.358	58,511.84	82.888	8.9487	82	10.064	54.11	4.702	4.3765
28	5,295.722	52,630.48	80.089	8.9383	83	8.503	44.04	4.138	4.1799
29	4,768.303	47,334.76	77.471	8.9270	84	7.133	35.54	3.611	3.9823
30	4,293.278	42,566.46	74.981	8.9147	85	5.938	28.41	3.123	3.7843
31	3,865.418	38,273.18	72.580	8.9014	86	4.898	22.47	2.671	3.5880
32	3,480.054	34,407.76	70.276	8.8871	87	3.997	17.57	2.256	3.3960
33	3,132.980	30,927.71	68.072	8.8717	88	3.226	13.58	1.880	3.2086
34	2,820.432	27,794.73	66.000	8.8548	89	2.571	10.35	1.546	3.0248
35	2,538.934	24,974.30	64.004	8.8365	90	2.023	7.78	1.252	2.8447
36	2,285.460	22,435.36	62.135	8.8166	91	1.567	5.75	0.997	2.6724
37	2,057.163	20,149.90	60.326	8.7950	92	1.192	4.19	0.777	2.5120
38	1,851.537	18,092.74	58.563	8.7717	93	0.891	3.00	0.594	2.3635
39	1,666.344	16,241.20	56.855	8.7466	94	0.653	2.10	0.444	2.2241
40	1,499.549	14,574.86	55.194	8.7195	95	0.470	1.45	0.326	2.0914
41	1,349.324	13,075.31	53.572	8.6903	96	0.331	0.98	0.234	1.9663
42	1,214.009	11,725.99	51.974	8.6589	97	0.228	0.65	0.164	1.8506
43	1,092.138	10,511.98	50.410	8.6251	98	0.154	0.42	0.112	1.7422
44	982.368	9,419.84	48.870	8.5889	99	0.102	0.27	0.075	1.6388
45	883.482	8,437.47	47.336	8.5502	100	0.066	0.17	0.049	1.5377
46	794.392	7,553.99	45.798	8.5092	101	0.041	0.10	0.031	1.4389
47	714.127	6,759.60	44.257	8.4655	102	0.025	0.06	0.020	1.3426
48	641.815	6,045.47	42.715	8.4193	103	0.015	0.03	0.012	1.2486
49	576.679	5,403.66	41.181	8.3703	104	0.009	0.02	0.007	1.1572
50	518.019	4,826.98	39.669	8.3182	105	0.005	0.01	0.004	1.0682
51	465.190	4,308.96	38.176	8.2628	106	0.003	0.01	0.002	0.9818
52	417.595	3,843.77	36.681	8.2045	107	0.001	0.00	0.001	0.8979
53	374.730	3,426.17	35.199	8.1431	108	0.001	0.00	0.001	0.8166
54	336.131	3,051.44	33.736	8.0781	109	0.000	0.00	0.000	0.7378

**Table 6.L. -- Actuarial Functions at 12.0 Percent Interest for 1989-91 United States
White Females**

x	D_x	N_x	M_x	a_x	x	D_x	N_x	M_x	a_x
0	100,000.000	925,307.38	859.924	8.2531	55	184.029	1,556.23	17.290	7.4564
1	88,690.179	825,307.38	264.388	8.3055	56	163.457	1,372.20	16.435	7.3949
2	79,140.625	736,617.20	217.354	8.3077	57	145.111	1,208.75	15.602	7.3298
3	70,635.648	657,476.57	191.730	8.3080	58	128.748	1,063.64	14.787	7.2614
4	63,049.113	586,840.93	173.300	8.3077	59	114.158	934.89	13.991	7.1894
5	56,281.368	523,791.81	160.816	8.3067	60	101.147	820.73	13.211	7.1143
6	50,240.582	467,510.44	150.177	8.3054	61	89.554	719.58	12.455	7.0352
7	44,849.068	417,269.86	141.582	8.3039	62	79.229	630.03	11.726	6.9520
8	40,036.944	372,420.80	134.716	8.3019	63	70.038	550.80	11.024	6.8643
9	35,741.502	332,383.85	128.947	8.2997	64	61.858	480.76	10.348	6.7720
10	31,907.226	296,642.35	124.117	8.2970	65	54.580	418.90	9.698	6.6750
11	28,484.857	264,735.12	120.380	8.2939	66	48.110	364.32	9.075	6.5728
12	25,429.058	236,250.27	116.530	8.2906	67	42.361	316.21	8.481	6.4647
13	22,700.849	210,821.21	112.863	8.2869	68	37.255	273.85	7.914	6.3508
14	20,264.319	188,120.36	108.566	8.2833	69	32.720	236.60	7.370	6.2310
15	18,088.209	167,856.04	103.633	8.2799	70	28.691	203.88	6.847	6.1061
16	16,144.803	149,767.83	98.250	8.2765	71	25.112	175.19	6.342	5.9762
17	14,409.177	133,623.03	92.424	8.2735	72	21.936	150.08	5.856	5.8416
18	12,859.615	119,213.85	86.703	8.2704	73	19.118	128.14	5.389	5.7025
19	11,476.342	106,354.24	81.245	8.2673	74	16.623	109.02	4.942	5.5585
20	10,241.758	94,877.89	76.269	8.2638	75	14.418	92.40	4.518	5.4088
21	9,139.984	84,636.14	71.827	8.2600	76	12.472	77.98	4.117	5.2524
22	8,156.568	75,496.15	67.695	8.2559	77	10.759	65.51	3.740	5.0889
23	7,278.960	67,339.58	64.005	8.2513	78	9.250	54.75	3.384	4.9190
24	6,495.778	60,060.62	60.711	8.2461	79	7.921	45.50	3.046	4.7442
25	5,796.860	53,564.85	57.770	8.2403	80	6.751	37.58	2.725	4.5664
26	5,173.090	47,767.98	55.091	8.2339	81	5.723	30.83	2.420	4.3865
27	4,616.485	42,594.90	52.747	8.2267	82	4.823	25.11	2.134	4.2047
28	4,119.685	37,978.41	50.569	8.2188	83	4.039	20.28	1.866	4.0214
29	3,676.271	33,858.73	48.551	8.2101	84	3.358	16.24	1.618	3.8366
30	3,280.482	30,182.45	46.648	8.2006	85	2.770	12.88	1.390	3.6507
31	2,927.184	26,901.97	44.830	8.1904	86	2.265	10.11	1.181	3.4659
32	2,611.828	23,974.79	43.101	8.1793	87	1.832	7.85	0.991	3.2847
33	2,330.350	21,362.96	41.461	8.1673	88	1.465	6.02	0.820	3.1073
34	2,079.142	19,032.61	39.934	8.1541	89	1.157	4.55	0.670	2.9329
35	1,854.919	16,953.47	38.476	8.1397	90	0.903	3.39	0.539	2.7615
36	1,654.825	15,098.55	37.123	8.1240	91	0.693	2.49	0.426	2.5971
37	1,476.223	13,443.72	35.824	8.1068	92	0.523	1.80	0.330	2.4437
38	1,316.803	11,967.50	34.571	8.0883	93	0.387	1.28	0.250	2.3015
39	1,174.513	10,650.70	33.367	8.0682	94	0.281	0.89	0.186	2.1678
40	1,047.512	9,476.18	32.206	8.0464	95	0.200	0.61	0.135	2.0404
41	934.156	8,428.67	31.084	8.0228	96	0.140	0.41	0.096	1.9199
42	832.971	7,494.52	29.987	7.9973	97	0.096	0.27	0.067	1.8084
43	742.661	6,661.55	28.924	7.9698	98	0.064	0.17	0.045	1.7039
44	662.052	5,918.88	27.886	7.9402	99	0.042	0.11	0.030	1.6040
45	590.093	5,256.83	26.861	7.9085	100	0.027	0.07	0.020	1.5062
46	525.851	4,666.74	25.843	7.8746	101	0.017	0.04	0.012	1.4106
47	468.499	4,140.89	24.832	7.8386	102	0.010	0.02	0.008	1.3171
48	417.300	3,672.39	23.829	7.8004	103	0.006	0.01	0.005	1.2258
49	371.601	3,255.09	22.841	7.7596	104	0.003	0.01	0.003	1.1368
50	330.821	2,883.49	21.876	7.7162	105	0.002	0.00	0.001	1.0502
51	294.431	2,552.67	20.930	7.6698	106	0.001	0.00	0.001	0.9659
52	261.947	2,258.24	19.993	7.6210	107	0.001	0.00	0.000	0.8839
53	232.960	1,996.29	19.071	7.5693	108	0.000	0.00	0.000	0.8043
54	207.098	1,763.33	18.170	7.5145	109	0.000	0.00	0.000	0.7272

**Table 7.A. -- Actuarial Functions at 1.0 Percent Interest for 1989-91 United States
Total Other than White Population**

x	D_x	N_x	M_x	a_x	x	D_x	N_x	M_x	a_x
0	100,000.000	5,048,998.26	50,009.918	49.4900	55	48,399.659	995,043.59	38,547.742	19.5589
1	97,453.465	4,948,998.26	48,453.483	49.7832	56	47,359.683	946,643.93	37,986.971	18.9884
2	96,379.767	4,851,544.79	48,344.670	49.3378	57	46,298.126	899,284.25	37,394.321	18.4238
3	95,359.511	4,755,165.02	48,278.670	48.8657	58	45,213.079	852,986.13	36,767.672	17.8659
4	94,363.465	4,659,805.51	48,226.777	48.3815	59	44,103.840	807,773.05	36,106.087	17.3153
5	93,390.163	4,565,442.05	48,187.767	47.8857	60	42,969.198	763,669.21	35,408.117	16.7725
6	92,429.710	4,472,051.89	48,151.969	47.3833	61	41,812.916	720,700.01	34,677.272	16.2363
7	91,483.785	4,379,622.17	48,121.189	46.8732	62	40,636.467	678,887.09	33,914.812	15.7064
8	90,551.224	4,288,138.39	48,094.408	46.3559	63	39,439.145	638,250.63	33,119.832	15.1832
9	89,631.819	4,197,587.17	48,071.550	45.8314	64	38,217.645	598,811.48	32,288.818	14.6685
10	88,724.459	4,107,955.35	48,051.633	45.3001	65	36,971.949	560,593.84	31,421.515	14.1627
11	87,828.968	4,019,230.89	48,034.603	44.7620	66	35,702.579	523,621.89	30,518.203	13.6662
12	86,941.626	3,931,401.92	48,016.854	44.2189	67	34,414.160	487,919.31	29,583.276	13.1779
13	86,057.972	3,844,460.29	47,994.009	43.6729	68	33,111.664	453,505.15	28,621.514	12.6962
14	85,171.115	3,758,402.32	47,959.210	43.1277	69	31,797.361	420,393.48	27,635.050	12.2210
15	84,278.739	3,673,231.21	47,910.114	42.5843	70	30,472.452	388,596.12	26,624.965	11.7524
16	83,376.924	3,588,952.47	47,842.741	42.0449	71	29,135.631	358,123.67	25,589.852	11.2916
17	82,470.349	3,505,575.54	47,761.680	41.5071	72	27,785.169	328,988.04	24,527.861	10.8404
18	81,559.341	3,423,105.20	47,667.210	40.9707	73	26,422.802	301,202.87	23,440.595	10.3994
19	80,647.528	3,341,545.85	47,562.915	40.4340	74	25,054.998	274,780.07	22,334.403	9.9671
20	79,737.579	3,260,898.33	47,451.457	39.8954	75	23,690.354	249,725.07	21,217.829	9.5412
21	78,830.441	3,181,160.75	47,333.800	39.3545	76	22,335.724	226,034.72	20,097.756	9.1199
22	77,923.808	3,102,330.31	47,207.667	38.8124	77	20,994.441	203,698.99	18,977.619	8.7025
23	77,020.242	3,024,406.50	47,075.623	38.2677	78	19,667.864	182,704.55	17,858.908	8.2895
24	76,122.204	2,947,386.26	46,940.162	37.7191	79	18,350.918	163,036.69	16,736.694	7.8844
25	75,229.720	2,871,264.05	46,801.363	37.1666	80	17,039.176	144,685.77	15,606.643	7.4914
26	74,345.131	2,796,034.33	46,661.622	36.6088	81	15,729.277	127,646.60	14,465.449	7.1152
27	73,466.861	2,721,689.20	46,519.443	36.0465	82	14,425.072	111,917.32	13,316.980	6.7585
28	72,593.397	2,648,222.34	46,373.374	35.4802	83	13,139.022	97,492.25	12,173.752	6.4201
29	71,723.284	2,575,628.94	46,222.007	34.9106	84	11,892.630	84,353.23	11,057.450	6.0929
30	70,853.639	2,503,905.66	46,062.494	34.3391	85	10,705.257	72,460.60	9,987.825	5.7687
31	69,984.634	2,433,052.02	45,895.010	33.7655	86	9,579.753	61,755.34	8,968.314	5.4464
32	69,117.164	2,363,067.39	45,720.457	33.1893	87	8,512.093	52,175.59	7,995.503	5.1296
33	68,250.649	2,293,950.22	45,538.271	32.6107	88	7,501.713	43,663.49	7,069.402	4.8205
34	67,383.823	2,225,699.57	45,347.194	32.0302	89	6,545.980	36,161.78	6,187.942	4.5243
35	66,517.589	2,158,315.75	45,148.126	31.4473	90	5,645.600	29,615.80	5,352.374	4.2458
36	65,650.719	2,091,798.16	44,939.847	30.8625	91	4,802.842	23,970.20	4,565.513	3.9908
37	64,782.731	2,026,147.44	44,721.865	30.2760	92	4,025.862	19,167.36	3,836.086	3.7611
38	63,913.847	1,961,364.71	44,494.394	29.6876	93	3,324.839	15,141.50	3,174.924	3.5541
39	63,046.320	1,897,450.86	44,259.678	29.0961	94	2,710.693	11,816.66	2,593.696	3.3593
40	62,179.633	1,834,404.54	44,017.211	28.5017	95	2,185.319	9,105.96	2,095.161	3.1669
41	61,314.617	1,772,224.91	43,767.835	27.9038	96	1,739.903	6,920.64	1,671.382	2.9776
42	60,449.441	1,710,910.29	43,509.735	27.3032	97	1,363.843	5,180.74	1,312.548	2.7986
43	59,583.001	1,650,460.85	43,241.804	26.7002	98	1,052.063	3,816.90	1,014.272	2.6280
44	58,712.947	1,590,877.85	42,961.681	26.0959	99	798.214	2,764.84	770.839	2.4638
45	57,837.026	1,532,164.91	42,667.077	25.4911	100	594.898	1,966.62	575.427	2.3058
46	56,953.080	1,474,327.88	42,355.775	24.8867	101	434.924	1,371.72	421.342	2.1539
47	56,059.042	1,417,374.80	42,025.629	24.2836	102	311.436	936.80	302.160	2.0080
48	55,152.935	1,361,315.76	41,674.561	23.6826	103	218.060	625.36	211.869	1.8678
49	54,233.482	1,306,162.82	41,301.177	23.0841	104	149.013	407.30	144.980	1.7333
50	53,301.291	1,251,929.34	40,905.951	22.4878	105	99.178	258.29	96.620	1.6043
51	52,355.755	1,198,628.05	40,488.150	21.8939	106	64.142	159.11	62.567	1.4806
52	51,394.510	1,146,272.29	40,045.279	21.3034	107	40.207	94.97	39.266	1.3621
53	50,415.889	1,094,877.78	39,575.515	20.7169	108	24.356	54.76	23.813	1.2485
54	49,418.302	1,044,461.90	39,077.095	20.1351	109	14.211	30.41	13.910	1.1398

**Table 7.B. -- Actuarial Functions at 2.0 Percent Interest for 1989-91 United States
Total Other than White Population**

x	D_x	N_x	M_x	a_x	x	D_x	N_x	M_x	a_x
0	100,000.000	3,750,920.74	26,452.534	36.5092	55	28,151.946	511,239.68	18,127.638	17.1600
1	96,498.039	3,650,920.74	24,911.358	36.8341	56	27,276.968	483,087.73	17,804.660	16.7105
2	94,499.231	3,554,422.71	24,804.668	36.6132	57	26,404.134	455,810.76	17,466.668	16.2629
3	92,582.227	3,459,923.47	24,740.590	36.3714	58	25,532.527	429,406.63	17,112.789	15.8180
4	90,717.002	3,367,341.25	24,690.703	36.1192	59	24,661.945	403,874.10	16,742.845	15.3764
5	88,901.102	3,276,624.25	24,653.568	35.8570	60	23,791.913	379,212.16	16,356.381	14.9387
6	87,124.200	3,187,723.14	24,619.825	35.5883	61	22,924.706	355,420.24	15,955.682	14.5038
7	85,387.154	3,100,598.94	24,591.096	35.3122	62	22,061.268	332,495.54	15,541.747	14.0715
8	83,688.145	3,015,211.79	24,566.345	35.0291	63	21,201.336	310,434.27	15,114.389	13.6422
9	82,026.282	2,931,523.64	24,545.426	34.7388	64	20,343.274	289,232.94	14,672.040	13.2176
10	80,399.876	2,849,497.36	24,527.379	34.4416	65	19,487.246	268,889.66	14,214.900	12.7982
11	78,808.127	2,769,097.49	24,512.098	34.1372	66	18,633.692	249,402.41	13,743.449	12.3845
12	77,247.099	2,690,289.36	24,496.328	33.8271	67	17,785.157	230,768.72	13,260.280	11.9754
13	75,712.352	2,613,042.26	24,476.229	33.5128	68	16,944.265	212,983.57	12,768.117	11.5697
14	74,197.481	2,537,329.91	24,445.914	33.1970	69	16,112.169	196,039.30	12,268.262	11.1672
15	72,700.276	2,463,132.43	24,403.562	32.8806	70	15,289.439	179,927.13	11,761.456	10.7681
16	71,217.233	2,390,432.15	24,346.015	32.5654	71	14,475.373	164,637.69	11,247.183	10.3736
17	69,752.257	2,319,214.92	24,277.455	32.2493	72	13,669.089	150,162.32	10,724.730	9.9855
18	68,305.448	2,249,462.66	24,198.337	31.9324	73	12,871.424	136,493.23	10,195.087	9.6044
19	66,879.635	2,181,157.21	24,111.847	31.6132	74	12,085.464	123,621.81	9,661.507	9.2290
20	65,476.746	2,114,277.58	24,020.323	31.2905	75	11,315.186	111,536.34	9,128.199	8.8572
21	64,097.221	2,048,800.83	23,924.655	30.9640	76	10,563.586	100,221.16	8,598.466	8.4874
22	62,738.859	1,984,703.61	23,823.102	30.6344	77	9,831.887	89,657.57	8,073.895	8.1191
23	61,403.415	1,921,964.75	23,717.832	30.3006	78	9,120.339	79,825.68	7,555.129	7.7525
24	60,092.490	1,860,561.34	23,610.896	29.9616	79	8,426.219	70,705.34	7,039.840	7.3911
25	58,805.710	1,800,468.85	23,502.399	29.6172	80	7,747.200	62,279.12	6,526.040	7.0389
26	57,544.495	1,741,663.14	23,394.237	29.2664	81	7,081.514	54,531.92	6,012.260	6.7006
27	56,307.201	1,684,118.64	23,285.267	28.9095	82	6,430.675	47,450.41	5,500.275	6.3788
28	55,092.284	1,627,811.44	23,174.413	28.5470	83	5,799.931	41,019.74	4,995.622	6.0725
29	53,898.294	1,572,719.16	23,060.664	28.1794	84	5,198.271	35,219.81	4,507.686	5.7753
30	52,722.770	1,518,820.86	22,941.969	27.8077	85	4,633.394	30,021.53	4,044.737	5.4794
31	51,565.586	1,466,098.09	22,818.565	27.4317	86	4,105.610	25,388.14	3,607.803	5.1838
32	50,427.144	1,414,532.51	22,691.213	27.0510	87	3,612.276	21,282.53	3,194.972	4.8917
33	49,306.759	1,364,105.36	22,559.595	26.6657	88	3,152.291	17,670.25	2,805.815	4.6055
34	48,203.272	1,314,798.60	22,422.907	26.2761	89	2,723.715	14,517.96	2,439.049	4.3302
35	47,117.102	1,266,595.33	22,281.899	25.8819	90	2,326.046	11,794.25	2,094.786	4.0705
36	46,047.151	1,219,478.23	22,135.813	25.4833	91	1,959.421	9,468.20	1,773.770	3.8321
37	44,992.873	1,173,431.08	21,984.420	25.0804	92	1,626.333	7,508.78	1,479.102	3.6170
38	43,954.226	1,128,438.21	21,827.986	24.6730	93	1,329.972	5,882.45	1,214.630	3.4230
39	42,932.544	1,084,483.98	21,668.152	24.2602	94	1,073.676	4,552.48	984.412	3.2401
40	41,927.236	1,041,551.44	21,504.659	23.8419	95	857.095	3,478.80	788.883	3.0588
41	40,938.629	999,624.20	21,338.155	23.4176	96	675.710	2,621.71	624.304	2.8799
42	39,965.272	958,685.57	21,167.516	22.9880	97	524.470	1,946.00	486.314	2.7104
43	39,006.237	918,720.30	20,992.114	22.5532	98	400.608	1,421.53	372.735	2.5484
44	38,059.823	879,714.06	20,810.528	22.1140	99	300.967	1,020.92	280.949	2.3921
45	37,124.451	841,654.24	20,621.427	21.6712	100	222.107	719.95	207.991	2.2415
46	36,198.661	804,529.79	20,423.567	21.2254	101	160.788	497.84	151.027	2.0963
47	35,281.104	768,331.13	20,215.788	20.7774	102	114.007	337.06	107.398	1.9565
48	34,370.538	733,050.02	19,997.008	20.3279	103	79.042	223.05	74.669	1.8219
49	33,466.199	698,679.48	19,766.601	19.8772	104	53.485	144.01	50.661	1.6925
50	32,568.506	665,213.29	19,525.108	19.4250	105	35.248	90.52	33.474	1.5681
51	31,677.123	632,644.78	19,272.323	18.9717	106	22.573	55.27	21.489	1.4486
52	30,790.677	600,967.66	19,006.997	18.5178	107	14.011	32.70	13.370	1.3339
53	29,908.259	570,176.98	18,728.318	18.0642	108	8.404	18.69	8.038	1.2238
54	29,029.044	540,268.72	18,435.539	17.6113	109	4.855	10.28	4.654	1.1183

**Table 7.C. -- Actuarial Functions at 3.0 Percent Interest for 1989-91 United States
Total Other than White Population**

x	D_x	N_x	M_x	a_x	x	D_x	N_x	M_x	a_x
0	100,000.000	2,919,360.79	14,970.074	28.1936	55	16,461.542	266,672.72	8,694.375	15.1997
1	95,561.165	2,819,360.79	13,443.860	28.5032	56	15,795.055	250,211.18	8,507.351	14.8411
2	92,673.202	2,723,799.63	13,339.232	28.3914	57	15,141.186	234,416.13	8,313.532	14.4820
3	89,911.753	2,631,126.43	13,277.003	28.2634	58	14,499.223	219,274.94	8,112.574	14.1232
4	87,244.986	2,541,214.68	13,229.024	28.1273	59	13,868.874	204,775.72	7,904.533	13.7651
5	84,668.503	2,453,969.69	13,193.657	27.9833	60	13,249.704	190,906.84	7,689.311	13.4084
6	82,170.605	2,369,301.19	13,161.833	27.8339	61	12,642.808	177,657.14	7,468.328	13.0520
7	79,750.455	2,287,130.58	13,135.001	27.6786	62	12,048.506	165,014.33	7,242.263	12.6958
8	77,404.733	2,207,380.13	13,112.108	27.5174	63	11,466.447	152,965.82	7,011.132	12.3403
9	75,131.066	2,129,975.39	13,092.948	27.3501	64	10,895.558	141,499.38	6,774.217	11.9869
10	72,926.412	2,054,844.33	13,076.578	27.1770	65	10,335.751	130,603.82	6,531.756	11.6361
11	70,788.616	1,981,917.92	13,062.852	26.9977	66	9,787.086	120,268.07	6,284.133	11.2884
12	68,712.784	1,911,129.30	13,048.824	26.8133	67	9,250.712	110,480.98	6,032.819	10.9430
13	66,693.736	1,842,416.52	13,031.119	26.6250	68	8,727.767	101,230.27	5,779.312	10.5986
14	64,724.755	1,775,722.78	13,004.674	26.4350	69	8,218.591	92,502.50	5,524.343	10.2553
15	62,802.982	1,710,998.02	12,968.088	26.2439	70	7,723.210	84,283.91	5,268.339	9.9131
16	60,924.539	1,648,195.04	12,918.858	26.0531	71	7,241.008	76,560.70	5,011.084	9.5732
17	59,091.956	1,587,270.50	12,860.777	25.8610	72	6,771.296	69,319.69	4,752.275	9.2373
18	57,304.456	1,528,178.55	12,794.401	25.6677	73	6,314.250	62,548.40	4,492.452	8.9059
19	55,563.538	1,470,874.09	12,722.545	25.4719	74	5,871.126	56,234.15	4,233.238	8.5781
20	53,869.883	1,415,310.55	12,647.245	25.2728	75	5,443.556	50,363.02	3,976.672	8.2519
21	52,222.912	1,361,440.67	12,569.300	25.0698	76	5,032.634	44,919.47	3,724.300	7.9256
22	50,619.919	1,309,217.76	12,487.363	24.8637	77	4,638.567	39,886.83	3,476.814	7.5990
23	49,061.442	1,258,597.84	12,403.252	24.6535	78	4,261.091	35,248.27	3,234.443	7.2721
24	47,547.855	1,209,536.40	12,318.640	24.4383	79	3,898.572	30,987.17	2,996.033	6.9483
25	46,077.953	1,161,988.54	12,233.626	24.2179	80	3,549.609	27,088.60	2,760.621	6.6314
26	44,651.947	1,115,910.59	12,149.697	23.9913	81	3,213.104	23,538.99	2,527.503	6.3259
27	43,267.670	1,071,258.64	12,065.962	23.7589	82	2,889.470	20,325.89	2,297.454	6.0345
28	41,923.091	1,027,990.97	11,981.606	23.5209	83	2,580.759	17,436.42	2,072.902	5.7563
29	40,616.312	986,067.88	11,895.888	23.2776	84	2,290.585	14,855.66	1,857.896	5.4855
30	39,344.736	945,451.57	11,807.311	23.0299	85	2,021.854	12,565.07	1,655.881	5.2146
31	38,107.575	906,106.83	11,716.114	22.7776	86	1,774.153	10,543.22	1,467.069	4.9427
32	36,904.445	867,999.26	11,622.913	22.5202	87	1,545.814	8,769.07	1,290.405	4.6728
33	35,734.171	831,094.81	11,527.526	22.2577	88	1,335.874	7,223.25	1,125.488	4.4071
34	34,595.270	795,360.64	11,429.426	21.9904	89	1,143.047	5,887.38	971.570	4.1506
35	33,487.422	760,765.37	11,329.207	21.7179	90	966.682	4,744.33	828.497	3.9079
36	32,409.241	727,277.95	11,226.388	21.4405	91	806.410	3,777.65	696.381	3.6845
37	31,359.763	694,868.71	11,120.868	21.1580	92	662.828	2,971.24	576.287	3.4827
38	30,338.396	663,508.95	11,012.893	20.8703	93	536.780	2,308.41	469.545	3.3005
39	29,345.503	633,170.55	10,903.642	20.5764	94	429.131	1,771.63	377.530	3.1284
40	28,380.113	603,825.05	10,792.975	20.2763	95	339.241	1,342.50	300.140	2.9574
41	27,441.897	575,444.93	10,681.365	19.9696	96	264.852	1,003.26	235.631	2.7880
42	26,529.346	548,003.04	10,568.093	19.6565	97	203.576	738.41	182.069	2.6272
43	25,641.344	521,473.69	10,452.790	19.3372	98	153.989	534.83	138.411	2.4732
44	24,776.299	495,832.35	10,334.580	19.0124	99	114.564	380.84	103.472	2.3243
45	23,932.753	471,056.05	10,212.674	18.6825	100	83.726	266.28	75.970	2.1804
46	23,109.368	447,123.30	10,086.360	18.3481	101	60.022	182.55	54.705	2.0414
47	22,304.921	424,013.93	9,955.000	18.0099	102	42.146	122.53	38.577	1.9073
48	21,518.291	401,709.01	9,818.029	17.6683	103	28.936	80.39	26.595	1.7780
49	20,748.695	380,190.71	9,675.179	17.3236	104	19.390	51.45	17.891	1.6534
50	19,996.095	359,442.02	9,526.910	16.9756	105	12.655	32.06	11.721	1.5334
51	19,259.989	339,445.92	9,373.214	16.6244	106	8.025	19.40	7.460	1.4179
52	18,539.264	320,185.94	9,213.460	16.2707	107	4.933	11.38	4.601	1.3068
53	17,833.120	301,646.67	9,047.294	15.9150	108	2.930	6.45	2.742	1.2000
54	17,140.831	283,813.55	8,874.417	15.5577	109	1.676	3.52	1.574	1.0975

**Table 7.D. -- Actuarial Functions at 4.0 Percent Interest for 1989-91 United States
Total Other than White Population**

x	D_x	N_x	M_x	a_x	x	D_x	N_x	M_x	a_x
0	100,000.000	2,361,718.95	9,164.656	22.6172	55	9,675.740	141,079.99	4,249.587	13.5808
1	94,642.308	2,261,718.95	7,653.117	22.8975	56	9,194.724	131,404.25	4,140.715	13.2913
2	90,899.593	2,167,076.64	7,550.492	22.8403	57	8,729.339	122,209.52	4,028.973	12.9999
3	87,343.003	2,076,177.05	7,490.040	22.7704	58	8,278.851	113,480.18	3,914.229	12.7072
4	83,937.498	1,988,834.05	7,443.880	22.6942	59	7,842.787	105,201.33	3,796.582	12.4138
5	80,675.433	1,904,896.55	7,410.181	22.6119	60	7,420.605	97,358.55	3,676.046	12.1200
6	77,542.500	1,824,221.12	7,380.149	22.5254	61	7,012.624	89,937.94	3,553.472	11.8251
7	74,535.019	1,746,678.62	7,355.072	22.4343	62	6,618.721	82,925.32	3,429.286	11.5289
8	71,647.097	1,672,143.60	7,333.882	22.3386	63	6,238.406	76,306.60	3,303.537	11.2317
9	68,873.875	1,600,496.50	7,316.317	22.2381	64	5,870.811	70,068.19	3,175.881	10.9350
10	66,210.017	1,531,622.62	7,301.455	22.1328	65	5,515.623	64,197.38	3,046.493	10.6392
11	63,651.136	1,465,412.61	7,289.113	22.0226	66	5,172.611	58,681.76	2,915.621	10.3447
12	61,190.524	1,401,761.47	7,276.621	21.9081	67	4,842.119	53,509.14	2,784.075	10.0508
13	58,821.427	1,340,570.95	7,261.006	21.7905	68	4,524.466	48,667.02	2,652.658	9.7564
14	56,535.966	1,281,749.52	7,237.907	21.6714	69	4,219.543	44,142.56	2,521.753	9.4615
15	54,329.855	1,225,213.55	7,206.257	21.5514	70	3,927.081	39,923.01	2,391.580	9.1661
16	52,198.067	1,170,883.70	7,164.078	21.4316	71	3,646.489	35,995.93	2,262.030	8.8714
17	50,141.165	1,118,685.63	7,114.794	21.3107	72	3,377.159	32,349.45	2,132.950	8.5789
18	48,156.879	1,068,544.47	7,059.014	21.1888	73	3,118.928	28,972.29	2,004.610	8.2892
19	46,244.886	1,020,387.59	6,999.210	21.0649	74	2,872.162	25,853.36	1,877.802	8.0014
20	44,404.168	974,142.70	6,937.141	20.9381	75	2,637.389	22,981.20	1,753.497	7.7136
21	42,632.684	929,738.53	6,873.510	20.8081	76	2,414.853	20,343.81	1,632.399	7.4245
22	40,926.719	887,105.85	6,807.263	20.6755	77	2,204.362	17,928.95	1,514.787	7.1334
23	39,285.264	846,179.13	6,739.912	20.5394	78	2,005.506	15,724.59	1,400.714	6.8407
24	37,707.191	806,893.87	6,672.812	20.3989	79	1,817.241	13,719.09	1,289.584	6.5494
25	36,190.144	769,186.68	6,606.041	20.2540	80	1,638.669	11,901.85	1,180.906	6.2631
26	34,732.930	732,996.53	6,540.756	20.1038	81	1,469.060	10,263.18	1,074.322	5.9862
27	33,332.541	698,263.60	6,476.248	19.9484	82	1,308.389	8,794.12	970.154	5.7213
28	31,986.159	664,931.06	6,411.887	19.7881	83	1,157.364	7,485.73	869.451	5.4679
29	30,691.150	632,944.90	6,347.115	19.6230	84	1,017.356	6,328.36	773.957	5.2204
30	29,444.433	602,253.75	6,280.827	19.4539	85	889.365	5,311.01	685.095	4.9717
31	28,244.362	572,809.32	6,213.234	19.2805	86	772.903	4,421.64	602.840	4.7208
32	27,089.626	544,564.96	6,144.820	19.1023	87	666.953	3,648.74	526.617	4.4708
33	25,978.372	517,475.33	6,075.474	18.9195	88	570.831	2,981.79	456.147	4.2236
34	24,908.572	491,496.96	6,004.842	18.7320	89	483.737	2,410.96	391.008	3.9840
35	23,879.086	466,588.39	5,933.379	18.5396	90	405.166	1,927.22	331.042	3.7566
36	22,888.047	442,709.30	5,860.766	18.3424	91	334.741	1,522.05	276.201	3.5469
37	21,933.934	419,821.26	5,786.962	18.1403	92	272.495	1,187.31	226.829	3.3572
38	21,015.526	397,887.32	5,712.168	17.9330	93	218.554	914.82	183.368	3.1858
39	20,132.286	376,871.80	5,637.217	17.7198	94	173.044	696.26	146.264	3.0236
40	19,282.775	356,739.51	5,562.024	17.5004	95	135.481	523.22	115.357	2.8619
41	18,466.025	337,456.74	5,486.920	17.2745	96	104.755	387.74	89.842	2.7014
42	17,680.304	318,990.71	5,411.431	17.0422	97	79.745	282.98	68.861	2.5486
43	16,924.189	301,310.41	5,335.327	16.8035	98	59.741	203.24	51.924	2.4020
44	16,195.986	284,386.22	5,258.055	16.5591	99	44.018	143.50	38.499	2.2599
45	15,494.141	268,190.23	5,179.132	16.3091	100	31.860	99.48	28.034	2.1223
46	14,817.223	252,696.09	5,098.142	16.0542	101	22.621	67.62	20.020	1.9892
47	14,163.914	237,878.87	5,014.727	15.7947	102	15.731	45.00	14.000	1.8605
48	13,533.006	223,714.95	4,928.585	15.5311	103	10.697	29.27	9.571	1.7361
49	12,923.531	210,181.95	4,839.610	15.2635	104	7.099	18.57	6.384	1.6160
50	12,335.009	197,258.42	4,748.146	14.9918	105	4.588	11.47	4.147	1.5001
51	11,766.687	184,923.41	4,654.248	14.7158	106	2.882	6.88	2.617	1.3884
52	11,217.460	173,156.72	4,557.586	14.4364	107	1.754	4.00	1.600	1.2808
53	10,686.445	161,939.26	4,458.012	14.1537	108	1.032	2.25	0.946	1.1771
54	10,172.828	151,252.82	4,355.412	13.8683	109	0.585	1.21	0.538	1.0774

**Table 7.E. -- Actuarial Functions at 5.0 Percent Interest for 1989-91 United States
Total Other than White Population**

x	D_x	N_x	M_x	a_x	x	D_x	N_x	M_x	a_x
0	100,000.000	1,971,675.91	6,110.671	18.7168	55	5,716.187	75,626.62	2,114.919	12.2303
1	93,740.952	1,871,675.91	4,613.528	18.9665	56	5,380.281	69,910.43	2,051.213	11.9938
2	89,176.417	1,777,934.96	4,512.848	18.9373	57	5,059.314	64,530.15	1,986.450	11.7547
3	84,871.180	1,688,758.54	4,454.107	18.8979	58	4,752.525	59,470.84	1,920.581	11.5135
4	80,785.270	1,603,887.36	4,409.681	18.8537	59	4,459.322	54,718.31	1,853.688	11.2705
5	76,906.227	1,523,102.09	4,377.556	18.8047	60	4,179.090	50,258.99	1,785.805	11.0263
6	73,215.670	1,446,195.86	4,349.200	18.7525	61	3,911.713	46,079.90	1,717.432	10.7800
7	69,705.757	1,372,980.19	4,325.748	18.6968	62	3,656.828	42,168.19	1,648.819	10.5314
8	66,366.807	1,303,274.44	4,306.119	18.6374	63	3,413.880	38,511.36	1,580.005	10.2808
9	63,190.367	1,236,907.63	4,290.004	18.5743	64	3,182.121	35,097.48	1,510.813	10.0296
10	60,167.796	1,173,717.26	4,276.498	18.5074	65	2,961.128	31,915.36	1,441.349	9.7781
11	57,291.554	1,113,549.47	4,265.389	18.4365	66	2,750.531	28,954.23	1,371.758	9.5268
12	54,552.248	1,056,257.91	4,254.252	18.3623	67	2,550.270	26,203.70	1,302.475	9.2749
13	51,940.734	1,001,705.66	4,240.464	18.2856	68	2,360.272	23,653.43	1,233.918	9.0215
14	49,447.163	949,764.93	4,220.261	18.2077	69	2,180.240	21,293.16	1,166.280	8.7664
15	47,065.118	900,317.77	4,192.843	18.1292	70	2,009.799	19,112.92	1,099.660	8.5099
16	44,787.731	853,252.65	4,156.653	18.0510	71	1,848.425	17,103.12	1,033.990	8.2528
17	42,613.097	808,464.92	4,114.768	17.9722	72	1,695.596	15,254.69	969.182	7.9967
18	40,536.949	765,851.82	4,067.814	17.8927	73	1,551.030	13,559.10	905.359	7.7420
19	38,556.755	725,314.87	4,017.952	17.8116	74	1,414.712	12,008.07	842.899	7.4880
20	36,669.462	686,758.12	3,966.695	17.7283	75	1,286.700	10,593.35	782.254	7.2330
21	34,871.251	650,088.65	3,914.648	17.6425	76	1,166.911	9,306.65	723.737	6.9755
22	33,157.045	615,217.40	3,860.978	17.5547	77	1,055.052	8,139.74	667.446	6.7150
23	31,524.093	582,060.36	3,806.933	17.4640	78	950.734	7,084.69	613.368	6.4518
24	29,969.614	550,536.27	3,753.601	17.3698	79	853.280	6,133.96	561.187	6.1887
25	28,489.926	520,566.65	3,701.037	17.2720	80	762.105	5,280.68	510.644	5.9291
26	27,082.358	492,076.73	3,650.133	17.1696	81	676.717	4,518.57	461.546	5.6772
27	25,742.902	464,994.37	3,600.313	17.0630	82	596.964	3,841.86	414.018	5.4357
28	24,467.816	439,251.47	3,551.080	16.9522	83	523.028	3,244.89	368.510	5.2040
29	23,253.607	414,783.65	3,502.005	16.8374	84	455.378	2,721.86	325.766	4.9771
30	22,096.546	391,530.04	3,452.259	16.7191	85	394.297	2,266.48	286.369	4.7482
31	20,994.088	369,433.50	3,402.017	16.5970	86	339.401	1,872.19	250.249	4.5162
32	19,944.002	348,439.41	3,351.649	16.4709	87	290.086	1,532.79	217.096	4.2839
33	18,943.719	328,495.41	3,301.081	16.3406	88	245.914	1,242.70	186.738	4.0534
34	17,990.622	309,551.69	3,250.066	16.2063	89	206.409	996.79	158.943	3.8292
35	17,082.802	291,561.07	3,198.942	16.0675	90	171.237	790.38	133.600	3.6157
36	16,217.884	274,478.26	3,147.490	15.9244	91	140.125	619.14	110.643	3.4185
37	15,393.806	258,260.38	3,095.693	15.7769	92	112.982	479.02	90.172	3.2397
38	14,608.775	242,866.57	3,043.700	15.6247	93	89.754	366.03	72.324	3.0782
39	13,861.514	228,257.80	2,992.095	15.4670	94	70.387	276.28	57.231	2.9251
40	13,150.163	214,396.29	2,940.816	15.3037	95	54.584	205.89	44.779	2.7721
41	12,473.234	201,246.12	2,890.086	15.1342	96	41.803	151.31	34.598	2.6196
42	11,828.766	188,772.89	2,839.580	14.9588	97	31.519	109.51	26.305	2.4743
43	11,215.060	176,944.12	2,789.149	14.7774	98	23.388	77.99	19.674	2.3345
44	10,630.291	165,729.06	2,738.431	14.5903	99	17.068	54.60	14.469	2.1988
45	10,072.779	155,098.77	2,687.123	14.3978	100	12.236	37.53	10.449	2.0672
46	9,540.973	145,025.99	2,634.973	14.2003	101	8.605	25.29	7.401	1.9395
47	9,033.440	135,485.02	2,581.773	13.9982	102	5.927	16.69	5.132	1.8158
48	8,548.860	126,451.58	2,527.356	13.7916	103	3.992	10.76	3.479	1.6960
49	8,086.101	117,902.72	2,471.686	13.5809	104	2.624	6.77	2.302	1.5802
50	7,644.366	109,816.62	2,415.003	13.3657	105	1.680	4.15	1.482	1.4682
51	7,222.711	102,172.25	2,357.366	13.1460	106	1.045	2.47	0.928	1.3601
52	6,820.004	94,949.54	2,298.597	12.9222	107	0.630	1.42	0.562	1.2557
53	6,435.279	88,129.54	2,238.634	12.6947	108	0.367	0.79	0.329	1.1551
54	6,067.641	81,694.26	2,177.438	12.4639	109	0.206	0.42	0.186	1.0581

**Table 7.F. -- Actuarial Functions at 6.0 Percent Interest for 1989-91 United States
Total Other than White Population**

x	D_x	N_x	M_x	a_x	x	D_x	N_x	M_x	a_x
0	100,000.000	1,688,336.49	4,433.783	15.8834	55	3,393.871	41,041.81	1,070.749	11.0929
1	92,856.604	1,588,336.49	2,950.765	16.1053	56	3,164.297	37,647.93	1,033.282	10.8977
2	87,501.780	1,495,479.89	2,851.975	16.0909	57	2,947.456	34,483.64	995.552	10.6995
3	82,491.755	1,407,978.11	2,794.881	16.0681	58	2,742.607	31,536.18	957.540	10.4986
4	77,779.637	1,325,486.35	2,752.108	16.0416	59	2,549.127	28,793.57	919.302	10.2955
5	73,346.379	1,247,706.72	2,721.470	16.0112	60	2,366.398	26,244.45	880.863	10.0905
6	69,167.908	1,174,360.34	2,694.682	15.9784	61	2,194.100	23,878.05	842.513	9.8828
7	65,230.797	1,105,192.43	2,672.735	15.9428	62	2,031.784	21,683.95	804.390	9.6724
8	61,520.293	1,039,961.63	2,654.540	15.9044	63	1,878.904	19,652.17	766.517	9.4594
9	58,023.214	978,441.34	2,639.742	15.8629	64	1,734.828	17,773.26	728.794	9.2450
10	54,726.597	920,418.13	2,627.458	15.8185	65	1,599.118	16,038.43	691.282	9.0296
11	51,618.856	865,691.53	2,617.449	15.7708	66	1,471.374	14,439.32	654.054	8.8135
12	48,687.095	814,072.67	2,607.509	15.7205	67	1,351.376	12,967.94	617.342	8.5961
13	45,919.032	765,385.58	2,595.320	15.6682	68	1,238.898	11,616.57	581.357	8.3765
14	43,302.149	719,466.55	2,577.627	15.6150	69	1,133.603	10,377.67	546.188	8.1546
15	40,827.300	676,164.40	2,553.843	15.5616	70	1,035.125	9,244.06	511.877	7.9304
16	38,485.223	635,337.10	2,522.745	15.5086	71	943.030	8,208.94	478.373	7.7049
17	36,271.163	596,851.88	2,487.094	15.4553	72	856.899	7,265.91	445.621	7.4793
18	34,178.489	560,580.71	2,447.506	15.4016	73	776.446	6,409.01	413.671	7.2543
19	32,202.213	526,402.22	2,405.861	15.3468	74	701.523	5,632.56	382.699	7.0290
20	30,337.041	494,200.01	2,363.455	15.2903	75	632.026	4,931.04	352.910	6.8020
21	28,577.197	463,862.97	2,320.803	15.2319	76	567.778	4,299.02	324.438	6.5716
22	26,916.052	435,285.77	2,277.235	15.1720	77	508.509	3,731.24	297.307	6.3376
23	25,349.043	408,369.72	2,233.776	15.1099	78	453.907	3,222.73	271.488	6.1000
24	23,871.712	383,020.68	2,191.296	15.0450	79	403.537	2,768.82	246.811	5.8614
25	22,479.009	359,148.97	2,149.822	14.9771	80	357.017	2,365.28	223.133	5.6251
26	21,166.827	336,669.96	2,110.037	14.9055	81	314.026	2,008.27	200.350	5.3952
27	19,930.134	315,503.13	2,071.466	14.8305	82	274.404	1,694.24	178.503	5.1743
28	18,764.256	295,573.00	2,033.710	14.7519	83	238.150	1,419.84	157.782	4.9620
29	17,664.848	276,808.74	1,996.429	14.6700	84	205.391	1,181.69	138.503	4.7534
30	16,627.518	259,143.89	1,958.995	14.5852	85	176.163	976.30	120.901	4.5420
31	15,648.887	242,516.37	1,921.545	14.4974	86	150.206	800.13	104.916	4.3269
32	14,725.911	226,867.49	1,884.355	14.4060	87	127.170	649.93	90.382	4.1107
33	13,855.384	212,141.58	1,847.370	14.3111	88	106.789	522.76	77.199	3.8953
34	13,034.157	198,286.19	1,810.410	14.2128	89	88.788	415.97	65.243	3.6850
35	12,259.685	185,252.03	1,773.720	14.1107	90	72.964	327.18	54.444	3.4842
36	11,529.163	172,992.35	1,737.144	14.0048	91	59.144	254.22	44.754	3.2983
37	10,840.094	161,463.19	1,700.669	13.8950	92	47.237	195.07	36.195	3.1297
38	10,190.237	150,623.09	1,664.402	13.7811	93	37.172	147.84	28.804	2.9771
39	9,577.774	140,432.85	1,628.744	13.6624	94	28.876	110.66	22.612	2.8324
40	9,000.538	130,855.08	1,593.647	13.5386	95	22.181	81.79	17.552	2.6873
41	8,456.679	121,854.54	1,559.252	13.4093	96	16.827	59.61	13.453	2.5423
42	7,944.081	113,397.86	1,525.334	13.2745	97	12.568	42.78	10.147	2.4039
43	7,460.866	105,453.78	1,491.784	13.1343	98	9.238	30.21	7.528	2.2705
44	7,005.131	97,992.92	1,458.362	12.9887	99	6.678	20.97	5.491	2.1408
45	6,575.122	90,987.79	1,424.870	12.8382	100	4.742	14.30	3.933	2.0146
46	6,169.225	84,412.66	1,391.150	12.6829	101	3.304	9.55	2.763	1.8920
47	5,785.949	78,243.44	1,357.075	12.5230	102	2.254	6.25	1.900	1.7731
48	5,423.917	72,457.49	1,322.550	12.3589	103	1.504	4.00	1.278	1.6577
49	5,081.915	67,033.57	1,287.562	12.1906	104	0.979	2.49	0.838	1.5458
50	4,758.972	61,951.66	1,252.274	12.0179	105	0.621	1.51	0.535	1.4376
51	4,454.053	57,192.69	1,216.731	11.8406	106	0.383	0.89	0.332	1.3329
52	4,166.037	52,738.63	1,180.832	11.6592	107	0.229	0.51	0.200	1.2316
53	3,893.941	48,572.60	1,144.549	11.4739	108	0.132	0.28	0.116	1.1338
54	3,636.849	44,678.65	1,107.869	11.2850	109	0.073	0.15	0.065	1.0394

**Table 7.G. -- Actuarial Functions at 7.0 Percent Interest for 1989-91 United States
Total Other than White Population**

x	D_x	N_x	M_x	a_x	x	D_x	N_x	M_x	a_x
0	100,000.000	1,475,530.41	3,469.973	13.7553	55	2,024.930	22,530.55	550.969	10.1266
1	91,988.785	1,375,530.41	2,000.814	13.9532	56	1,870.312	20,505.62	528.824	9.9637
2	85,873.875	1,283,541.62	1,903.863	13.9468	57	1,725.863	18,635.30	506.731	9.7977
3	80,200.450	1,197,667.75	1,848.355	13.9334	58	1,590.907	16,909.44	484.681	9.6288
4	74,912.495	1,117,467.30	1,807.158	13.9170	59	1,464.855	15,318.53	462.708	9.4574
5	69,982.445	1,042,554.80	1,777.926	13.8974	60	1,347.141	13,853.68	440.825	9.2838
6	65,378.834	972,572.36	1,752.605	13.8760	61	1,237.382	12,506.54	419.197	9.1073
7	61,081.163	907,193.52	1,732.054	13.8523	62	1,135.133	11,269.16	397.899	8.9276
8	57,068.321	846,112.36	1,715.176	13.8263	63	1,039.911	10,134.02	376.937	8.7451
9	53,321.281	789,044.04	1,701.577	13.7979	64	951.196	9,094.11	356.254	8.5607
10	49,821.789	735,722.76	1,690.394	13.7671	65	868.593	8,142.92	335.878	8.3748
11	46,553.393	685,900.97	1,681.367	13.7336	66	791.737	7,274.32	315.847	8.1878
12	43,498.964	639,347.58	1,672.487	13.6980	67	720.371	6,482.59	296.276	7.9990
13	40,642.448	595,848.61	1,661.698	13.6607	68	654.241	5,762.22	277.273	7.8075
14	37,968.084	555,206.16	1,646.185	13.6230	69	593.042	5,107.97	258.875	7.6132
15	35,463.531	517,238.08	1,625.526	13.5851	70	536.462	4,514.93	241.093	7.4161
16	33,116.727	481,774.55	1,598.766	13.5478	71	484.165	3,978.47	223.892	7.2172
17	30,919.821	448,657.82	1,568.374	13.5104	72	435.833	3,494.31	207.233	7.0175
18	28,863.596	417,738.00	1,534.942	13.4728	73	391.222	3,058.47	191.135	6.8177
19	26,940.483	388,874.41	1,500.102	13.4346	74	350.168	2,667.25	175.675	6.6171
20	25,142.877	361,933.92	1,464.957	13.3951	75	312.530	2,317.08	160.945	6.4140
21	23,462.996	336,791.05	1,429.937	13.3541	76	278.136	2,004.55	146.997	6.2071
22	21,892.597	313,328.05	1,394.500	13.3121	77	246.774	1,726.42	133.831	5.9959
23	20,425.354	291,435.45	1,359.483	13.2683	78	218.218	1,479.64	121.418	5.7806
24	19,055.207	271,010.10	1,325.574	13.2224	79	192.189	1,261.43	109.666	5.5635
25	17,775.808	251,954.89	1,292.778	13.1740	80	168.444	1,069.24	98.494	5.3477
26	16,581.737	234,179.08	1,261.610	13.1227	81	146.776	900.79	87.845	5.1372
27	15,467.018	217,597.35	1,231.677	13.0685	82	127.058	754.02	77.729	4.9344
28	14,426.129	202,130.33	1,202.650	13.0114	83	109.240	626.96	68.224	4.7393
29	13,453.970	187,704.20	1,174.256	12.9516	84	93.333	517.72	59.464	4.5470
30	12,545.560	174,250.23	1,146.012	12.8894	85	79.304	424.39	51.540	4.3514
31	11,696.830	161,704.67	1,118.020	12.8247	86	66.987	345.08	44.411	4.1515
32	10,904.079	150,007.84	1,090.482	12.7570	87	56.183	278.10	37.990	3.9498
33	10,163.598	139,103.76	1,063.351	12.6865	88	46.738	221.91	32.220	3.7480
34	9,471.830	128,940.16	1,036.493	12.6130	89	38.496	175.17	27.036	3.5504
35	8,825.765	119,468.33	1,010.080	12.5363	90	31.340	136.68	22.398	3.3612
36	8,222.293	110,642.57	983.994	12.4564	91	25.166	105.34	18.275	3.1857
37	7,658.616	102,420.28	958.224	12.3732	92	19.912	80.17	14.667	3.0263
38	7,132.202	94,761.66	932.841	12.2865	93	15.523	60.26	11.580	2.8820
39	6,640.886	87,629.46	908.117	12.1954	94	11.946	44.74	9.019	2.7450
40	6,182.327	80,988.57	884.009	12.1000	95	9.090	32.79	6.945	2.6072
41	5,754.472	74,806.25	860.605	11.9997	96	6.832	23.70	5.281	2.4692
42	5,355.146	69,051.77	837.740	11.8945	97	5.055	16.87	3.951	2.3372
43	4,982.405	63,696.63	815.336	11.7843	98	3.681	11.81	2.908	2.2098
44	4,634.342	58,714.22	793.225	11.6694	99	2.636	8.13	2.104	2.0855
45	4,309.211	54,079.88	771.275	11.5498	100	1.854	5.50	1.495	1.9645
46	4,005.407	49,770.67	749.382	11.4259	101	1.280	3.64	1.041	1.8467
47	3,721.454	45,765.26	727.465	11.2977	102	0.865	2.36	0.710	1.7322
48	3,455.996	42,043.81	705.467	11.1655	103	0.572	1.50	0.474	1.6209
49	3,207.818	38,587.81	683.382	11.0293	104	0.369	0.93	0.308	1.5129
50	2,975.895	35,379.99	661.315	10.8889	105	0.232	0.56	0.195	1.4081
51	2,759.191	32,404.10	639.297	10.7441	106	0.141	0.33	0.120	1.3066
52	2,556.653	29,644.91	617.266	10.5952	107	0.084	0.18	0.072	1.2083
53	2,367.337	27,088.26	595.208	10.4425	108	0.048	0.10	0.041	1.1132
54	2,190.373	24,720.92	573.116	10.2862	109	0.026	0.05	0.023	1.0213

**Table 7.H. -- Actuarial Functions at 8.0 Percent Interest for 1989-91 United States
Total Other than White Population**

x	D_x	N_x	M_x	a_x	x	D_x	N_x	M_x	a_x
0	100,000.000	1,311,000.55	2,888.848	12.1100	55	1,213.979	12,502.35	287.879	9.2987
1	91,137.037	1,211,000.55	1,433.293	12.2877	56	1,110.901	11,288.37	274.725	9.1615
2	84,290.981	1,119,863.51	1,338.128	12.2857	57	1,015.612	10,177.47	261.725	9.0210
3	77,993.224	1,035,572.53	1,284.148	12.2777	58	927.526	9,161.86	248.869	8.8777
4	72,176.256	957,579.30	1,244.456	12.2672	59	846.128	8,234.34	236.177	8.7318
5	66,801.963	885,403.05	1,216.552	12.2541	60	770.929	7,388.21	223.654	8.5835
6	61,829.723	818,601.08	1,192.606	12.2396	61	701.561	6,617.28	211.392	8.4322
7	57,230.488	756,771.36	1,173.351	12.2232	62	637.629	5,915.72	199.428	8.2777
8	52,975.525	699,540.87	1,157.683	12.2050	63	578.732	5,278.09	187.762	8.1201
9	49,038.906	646,565.35	1,145.177	12.1847	64	524.459	4,699.36	176.358	7.9604
10	45,396.204	597,526.44	1,134.986	12.1625	65	474.480	4,174.90	165.228	7.7989
11	42,025.374	552,130.24	1,126.838	12.1380	66	428.492	3,700.42	154.387	7.6359
12	38,904.441	510,104.86	1,118.895	12.1117	67	386.258	3,271.93	143.893	7.4708
13	36,013.070	471,200.42	1,109.335	12.0842	68	347.551	2,885.67	133.798	7.3029
14	33,331.817	435,187.35	1,095.717	12.0562	69	312.124	2,538.12	124.115	7.1318
15	30,844.825	401,855.54	1,077.748	12.0283	70	279.731	2,225.99	114.843	6.9576
16	28,536.963	371,010.71	1,054.689	12.0011	71	250.124	1,946.26	105.956	6.7812
17	26,397.168	342,473.75	1,028.743	11.9739	72	223.070	1,696.14	97.430	6.6036
18	24,413.545	316,076.58	1,000.465	11.9468	73	198.383	1,473.07	89.267	6.4254
19	22,575.938	291,663.04	971.269	11.9192	74	175.921	1,274.68	81.500	6.2458
20	20,874.468	269,087.10	942.090	11.8907	75	155.558	1,098.76	74.168	6.0634
21	19,299.406	248,212.63	913.285	11.8612	76	137.157	943.21	67.290	5.8768
22	17,840.942	228,913.22	884.407	11.8308	77	120.565	806.05	60.858	5.6856
23	16,491.118	211,072.28	856.134	11.7991	78	105.626	685.48	54.850	5.4897
24	15,242.429	194,581.16	829.010	11.7658	79	92.166	579.86	49.213	5.2915
25	14,087.369	179,338.73	803.019	11.7305	80	80.031	487.69	43.906	5.0938
26	13,019.389	165,251.36	778.547	11.6927	81	69.090	407.66	38.893	4.9004
27	12,031.705	152,231.98	755.262	11.6526	82	59.255	338.57	34.175	4.7138
28	11,118.096	140,200.27	732.891	11.6101	83	50.474	279.32	29.784	4.5339
29	10,272.853	129,082.17	711.211	11.5654	84	42.725	228.84	25.773	4.3562
30	9,490.535	118,809.32	689.845	11.5187	85	35.966	186.12	22.180	4.1748
31	8,766.553	109,318.79	668.865	11.4700	86	30.099	150.15	18.977	3.9886
32	8,096.731	100,552.23	648.417	11.4189	87	25.011	120.05	16.118	3.8000
33	7,477.014	92,455.50	628.458	11.3653	88	20.613	95.04	13.573	3.6106
34	6,903.585	84,978.49	608.882	11.3093	89	16.821	74.43	11.308	3.4246
35	6,373.135	78,074.90	589.809	11.2506	90	13.567	57.61	9.300	3.2460
36	5,882.389	71,701.77	571.147	11.1892	91	10.794	44.04	7.532	3.0800
37	5,428.391	65,819.38	552.882	11.1250	92	8.461	33.25	5.999	2.9291
38	5,008.463	60,390.99	535.056	11.0578	93	6.535	24.78	4.699	2.7924
39	4,620.265	55,382.52	517.855	10.9869	94	4.983	18.25	3.631	2.6625
40	4,261.406	50,762.26	501.238	10.9121	95	3.757	13.27	2.774	2.5315
41	3,929.763	46,500.85	485.255	10.8330	96	2.797	9.51	2.093	2.3999
42	3,623.200	42,571.09	469.785	10.7496	97	2.050	6.71	1.553	2.2738
43	3,339.796	38,947.89	454.767	10.6618	98	1.479	4.66	1.134	2.1520
44	3,077.720	35,608.10	440.083	10.5696	99	1.050	3.18	0.814	2.0329
45	2,835.298	32,530.38	425.641	10.4734	100	0.731	2.13	0.573	1.9167
46	2,611.005	29,695.08	411.369	10.3730	101	0.500	1.40	0.396	1.8035
47	2,403.442	27,084.07	397.215	10.2689	102	0.335	0.90	0.268	1.6931
48	2,211.334	24,680.63	383.139	10.1610	103	0.219	0.57	0.177	1.5857
49	2,033.531	22,469.30	369.139	10.0494	104	0.140	0.35	0.114	1.4813
50	1,869.040	20,435.77	355.280	9.9338	105	0.087	0.21	0.072	1.3798
51	1,716.892	18,566.73	341.579	9.8141	106	0.053	0.12	0.044	1.2814
52	1,576.133	16,849.83	327.997	9.6906	107	0.031	0.07	0.026	1.1859
53	1,445.910	15,273.70	314.525	9.5634	108	0.018	0.04	0.015	1.0934
54	1,325.437	13,827.79	301.157	9.4326	109	0.010	0.02	0.008	1.0039

**Table 7.I. -- Actuarial Functions at 9.0 Percent Interest for 1989-91 United States
Total Other than White Population**

x	D_x	N_x	M_x	a_x	x	D_x	N_x	M_x	a_x
0	100,000.000	1,180,580.25	2,520.897	10.8058	55	731.241	7,008.04	152.595	8.5838
1	90,300.917	1,080,580.25	1,078.695	10.9664	56	663.013	6,276.80	144.745	8.4671
2	82,751.452	990,279.33	985.269	10.9669	57	600.581	5,613.79	137.057	8.3473
3	75,866.255	907,527.88	932.760	10.9622	58	543.459	5,013.21	129.524	8.2246
4	69,563.814	831,661.62	894.505	10.9554	59	491.218	4,469.75	122.156	8.0993
5	63,793.365	762,097.81	867.858	10.9463	60	443.455	3,978.53	114.953	7.9717
6	58,503.365	698,304.44	845.200	10.9361	61	399.851	3,535.08	107.964	7.8410
7	53,654.760	639,801.08	827.148	10.9244	62	360.079	3,135.23	101.208	7.7070
8	49,209.996	586,146.32	812.594	10.9111	63	323.821	2,775.15	94.680	7.5700
9	45,135.275	536,936.32	801.083	10.8962	64	290.761	2,451.33	88.358	7.4307
10	41,399.216	491,801.05	791.790	10.8795	65	260.639	2,160.56	82.244	7.2895
11	37,973.569	450,401.83	784.427	10.8609	66	233.218	1,899.93	76.343	7.1466
12	34,831.026	412,428.26	777.316	10.8408	67	208.302	1,666.71	70.684	7.0014
13	31,946.589	377,597.24	768.835	10.8196	68	185.709	1,458.41	65.290	6.8532
14	29,296.827	345,650.65	756.866	10.7982	69	165.248	1,272.70	60.163	6.7017
15	26,862.175	316,353.82	741.217	10.7769	70	146.740	1,107.45	55.299	6.5470
16	24,624.299	289,491.65	721.319	10.7563	71	130.005	960.71	50.681	6.3898
17	22,568.917	264,867.35	699.136	10.7359	72	114.880	830.70	46.290	6.2311
18	20,681.473	242,298.43	675.181	10.7157	73	101.229	715.82	42.124	6.0713
19	18,949.323	221,616.96	650.675	10.6952	74	88.944	614.59	38.197	5.9099
20	17,360.433	202,667.63	626.409	10.6741	75	77.927	525.65	34.525	5.7454
21	15,903.267	185,307.20	602.672	10.6521	76	68.079	447.72	31.111	5.5766
22	14,566.575	169,403.93	579.094	10.6296	77	59.294	379.65	27.947	5.4028
23	13,340.958	154,837.36	556.222	10.6062	78	51.470	320.35	25.019	5.2240
24	12,217.670	141,496.40	534.481	10.5813	79	44.499	268.88	22.298	5.0424
25	11,188.229	129,278.73	513.838	10.5549	80	38.286	224.38	19.759	4.8607
26	10,245.173	118,090.50	494.581	10.5265	81	32.749	186.10	17.383	4.6825
27	9,381.086	107,845.33	476.426	10.4960	82	27.829	153.35	15.167	4.5103
28	8,589.218	98,464.24	459.143	10.4637	83	23.488	125.52	13.124	4.3440
29	7,863.422	89,875.02	442.548	10.4295	84	19.699	102.03	11.275	4.1794
30	7,197.944	82,011.60	426.343	10.3938	85	16.431	82.33	9.633	4.0108
31	6,587.852	74,813.66	410.578	10.3563	86	13.624	65.90	8.183	3.8370
32	6,028.676	68,225.81	395.352	10.3169	87	11.217	52.28	6.901	3.6603
33	5,516.171	62,197.13	380.628	10.2754	88	9.160	41.06	5.770	3.4823
34	5,046.397	56,680.96	366.318	10.2320	89	7.407	31.90	4.773	3.3068
35	4,615.908	51,634.56	352.504	10.1862	90	5.919	24.49	3.897	3.1378
36	4,221.386	47,018.66	339.111	10.1382	91	4.666	18.57	3.132	2.9806
37	3,859.843	42,797.27	326.124	10.0878	92	3.624	13.91	2.476	2.8375
38	3,528.582	38,937.43	313.565	10.0349	93	2.773	10.28	1.924	2.7079
39	3,225.224	35,408.84	301.558	9.9787	94	2.095	7.51	1.475	2.5845
40	2,947.428	32,183.62	290.065	9.9192	95	1.565	5.41	1.118	2.4598
41	2,693.109	29,236.19	279.111	9.8559	96	1.155	3.85	0.837	2.3342
42	2,460.238	26,543.08	268.607	9.7888	97	0.839	2.70	0.616	2.2136
43	2,246.995	24,082.85	258.503	9.7178	98	0.599	1.86	0.446	2.0970
44	2,051.674	21,835.85	248.714	9.6429	99	0.421	1.26	0.318	1.9827
45	1,872.731	19,784.18	239.175	9.5643	100	0.291	0.84	0.222	1.8711
46	1,708.762	17,911.45	229.835	9.4821	101	0.197	0.54	0.152	1.7621
47	1,558.493	16,202.68	220.657	9.3964	102	0.131	0.35	0.102	1.6556
48	1,420.766	14,644.19	211.613	9.3072	103	0.085	0.22	0.067	1.5519
49	1,294.543	13,223.42	202.700	9.2147	104	0.054	0.13	0.043	1.4509
50	1,178.912	11,928.88	193.959	9.1185	105	0.033	0.08	0.027	1.3526
51	1,073.008	10,749.97	185.396	9.0185	106	0.020	0.04	0.016	1.2571
52	976.001	9,676.96	176.986	8.9149	107	0.012	0.02	0.009	1.1643
53	887.148	8,700.96	168.720	8.8078	108	0.006	0.01	0.005	1.0742
54	805.770	7,813.81	160.593	8.6973	109	0.004	0.01	0.003	0.9870

**Table 7.J. -- Actuarial Functions at 10.0 Percent Interest for 1989-91 United States
Total Other than White Population**

x	D_x	N_x	M_x	a_x	x	D_x	N_x	M_x	a_x
0	100,000.000	1,074,960.37	2,276.330	9.7496	55	442.507	3,965.74	81.985	7.9620
1	89,480.000	974,960.37	847.239	9.8958	56	397.572	3,523.23	77.278	7.8619
2	81,253.719	885,480.37	755.504	9.8977	57	356.861	3,125.66	72.710	7.7588
3	73,815.928	804,226.65	704.415	9.8950	58	319.984	2,768.80	68.275	7.6529
4	67,068.506	730,410.72	667.532	9.8905	59	286.595	2,448.81	63.976	7.5445
5	60,945.912	663,342.21	642.074	9.8841	60	256.377	2,162.22	59.811	7.4338
6	55,383.924	602,396.30	620.624	9.8767	61	229.066	1,905.84	55.808	7.3201
7	50,332.088	547,012.38	603.690	9.8681	62	204.406	1,676.78	51.972	7.2031
8	45,742.915	496,680.29	590.161	9.8581	63	182.152	1,472.37	48.301	7.0832
9	41,573.865	450,937.37	579.559	9.8467	64	162.069	1,290.22	44.777	6.9609
10	37,785.941	409,363.51	571.077	9.8338	65	143.958	1,128.15	41.400	6.8366
11	34,344.196	371,577.57	564.417	9.8192	66	127.642	984.19	38.170	6.7106
12	31,215.624	337,233.37	558.045	9.8034	67	112.969	856.55	35.101	6.5821
13	28,370.309	306,017.75	550.513	9.7865	68	99.800	743.58	32.202	6.4507
14	25,780.656	277,647.44	539.980	9.7696	69	87.998	643.78	29.472	6.3159
15	23,423.315	251,866.78	526.335	9.7528	70	77.431	555.78	26.906	6.1777
16	21,276.730	228,443.47	509.142	9.7368	71	67.977	478.35	24.491	6.0369
17	19,323.489	207,166.74	490.149	9.7210	72	59.522	410.37	22.216	5.8945
18	17,546.484	187,843.25	469.825	9.7055	73	51.972	350.85	20.077	5.7507
19	15,930.747	170,296.76	449.223	9.6898	74	45.250	298.88	18.079	5.6051
20	14,462.282	154,366.02	429.007	9.6737	75	39.285	253.63	16.228	5.4562
21	13,127.935	139,903.74	409.414	9.6569	76	34.008	214.34	14.522	5.3028
22	11,915.200	126,775.80	390.127	9.6398	77	29.350	180.34	12.956	5.1442
23	10,813.461	114,860.60	371.588	9.6220	78	25.246	150.99	11.520	4.9805
24	9,812.957	104,047.14	354.126	9.6030	79	21.628	125.74	10.198	4.8136
25	8,904.441	94,234.18	337.697	9.5828	80	18.439	104.11	8.975	4.6462
26	8,079.759	85,329.74	322.510	9.5609	81	15.629	85.67	7.841	4.4816
27	7,331.048	77,249.98	308.323	9.5374	82	13.160	70.04	6.793	4.3222
28	6,651.206	69,918.93	294.939	9.5122	83	11.006	56.88	5.835	4.1681
29	6,033.817	63,267.73	282.205	9.4855	84	9.147	45.88	4.977	4.0153
30	5,472.967	57,233.91	269.884	9.4576	85	7.560	36.73	4.221	3.8581
31	4,963.546	51,760.95	258.005	9.4282	86	6.212	29.17	3.560	3.6956
32	4,500.947	46,797.40	246.638	9.3972	87	5.068	22.96	2.981	3.5297
33	4,080.877	42,296.45	235.745	9.3645	88	4.101	17.89	2.475	3.3620
34	3,699.398	38,215.57	225.255	9.3302	89	3.286	13.79	2.032	3.1962
35	3,353.054	34,516.18	215.220	9.2940	90	2.602	10.50	1.647	3.0362
36	3,038.591	31,163.12	205.580	9.2558	91	2.032	7.90	1.314	2.8870
37	2,753.092	28,124.53	196.316	9.2156	92	1.564	5.87	1.031	2.7511
38	2,493.935	25,371.44	187.441	9.1733	93	1.186	4.30	0.795	2.6280
39	2,258.804	22,877.50	179.031	9.1281	94	0.888	3.12	0.605	2.5107
40	2,045.482	20,618.70	171.055	9.0801	95	0.657	2.23	0.455	2.3918
41	1,851.997	18,573.22	163.523	9.0288	96	0.480	1.57	0.338	2.2717
42	1,676.475	16,721.22	156.365	8.9740	97	0.346	1.09	0.247	2.1564
43	1,517.246	15,044.75	149.542	8.9158	98	0.245	0.75	0.177	2.0445
44	1,372.765	13,527.50	142.992	8.8542	99	0.171	0.50	0.125	1.9349
45	1,241.644	12,154.73	136.668	8.7892	100	0.117	0.33	0.087	1.8275
46	1,122.631	10,913.09	130.531	8.7210	101	0.078	0.21	0.059	1.7224
47	1,014.598	9,790.46	124.556	8.6496	102	0.052	0.14	0.039	1.6197
48	916.528	8,775.86	118.722	8.5751	103	0.033	0.08	0.026	1.5195
49	827.510	7,859.33	113.025	8.4976	104	0.021	0.05	0.016	1.4217
50	746.745	7,031.82	107.488	8.4166	105	0.013	0.03	0.010	1.3264
51	673.484	6,285.08	102.114	8.3322	106	0.008	0.02	0.006	1.2336
52	607.028	5,611.60	96.883	8.2444	107	0.004	0.01	0.003	1.1434
53	546.749	5,004.57	91.788	8.1533	108	0.002	0.00	0.002	1.0557
54	492.081	4,457.82	86.825	8.0591	109	0.001	0.00	0.001	0.9706

**Table 7.K. -- Actuarial Functions at 11.0 Percent Interest for 1989-91 United States
Total Other than White Population**

x	D_x	N_x	M_x	a_x	x	D_x	N_x	M_x	a_x
0	100,000.000	987,839.50	2,105.995	8.8784	55	269.001	2,264.31	44.610	7.4175
1	88,673.874	887,839.50	689.779	9.0124	56	239.507	1,995.31	41.774	7.3309
2	79,796.283	799,165.63	599.689	9.0151	57	213.045	1,755.80	39.047	7.2414
3	71,838.822	719,369.34	549.968	9.0137	58	189.309	1,542.75	36.423	7.1494
4	64,684.088	647,530.52	514.397	9.0107	59	168.028	1,353.44	33.903	7.0549
5	58,249.622	582,846.43	490.065	9.0060	60	148.957	1,185.42	31.483	6.9581
6	52,456.820	524,596.81	469.749	9.0005	61	131.890	1,036.46	29.178	6.8585
7	47,242.502	472,139.99	453.854	8.9940	62	116.632	904.57	26.990	6.7558
8	42,548.229	424,897.49	441.270	8.9863	63	102.997	787.94	24.913	6.6501
9	38,321.964	382,349.26	431.497	8.9773	64	90.816	684.94	22.939	6.5421
10	34,516.544	344,027.30	423.749	8.9670	65	79.941	594.12	21.063	6.4321
11	31,089.957	309,510.75	417.721	8.9553	66	70.241	514.18	19.286	6.3202
12	28,003.254	278,420.79	412.004	8.9424	67	61.607	443.94	17.613	6.2061
13	25,221.461	250,417.54	405.308	8.9287	68	53.935	382.34	16.046	6.0888
14	22,712.757	225,196.08	396.029	8.9150	69	47.128	328.40	14.584	5.9682
15	20,450.030	202,483.32	384.115	8.9014	70	41.096	281.27	13.222	5.8443
16	18,408.576	182,033.29	369.240	8.8885	71	35.753	240.18	11.952	5.7177
17	16,568.018	163,624.72	352.956	8.8759	72	31.024	204.42	10.766	5.5892
18	14,908.873	147,056.70	335.687	8.8637	73	26.845	173.40	9.661	5.4593
19	13,414.070	132,147.83	318.339	8.8514	74	23.162	146.56	8.638	5.3274
20	12,067.879	118,733.76	301.471	8.8388	75	19.927	123.39	7.699	5.1921
21	10,855.760	106,665.88	285.268	8.8257	76	17.095	103.47	6.842	5.0523
22	9,764.159	95,810.12	269.463	8.8124	77	14.621	86.37	6.062	4.9072
23	8,781.485	86,045.96	254.408	8.7986	78	12.463	71.75	5.353	4.7569
24	7,897.194	77,264.47	240.355	8.7838	79	10.581	59.29	4.706	4.6030
25	7,101.487	69,367.28	227.253	8.7680	80	8.940	48.70	4.113	4.4482
26	6,385.734	62,265.79	215.250	8.7508	81	7.509	39.77	3.568	4.2957
27	5,741.801	55,880.06	204.138	8.7321	82	6.266	32.26	3.069	4.1479
28	5,162.406	50,138.26	193.750	8.7122	83	5.193	25.99	2.618	4.0048
29	4,641.022	44,975.85	183.956	8.6909	84	4.277	20.80	2.216	3.8625
30	4,171.709	40,334.83	174.564	8.6687	85	3.503	16.52	1.866	3.7158
31	3,749.324	36,163.12	165.591	8.6452	86	2.852	13.02	1.562	3.5635
32	3,369.260	32,413.79	157.082	8.6204	87	2.306	10.16	1.299	3.4075
33	3,027.289	29,044.53	149.001	8.5942	88	1.849	7.86	1.071	3.2493
34	2,719.575	26,017.25	141.290	8.5667	89	1.468	6.01	0.873	3.0924
35	2,442.757	23,297.67	133.979	8.5374	90	1.152	4.54	0.702	2.9406
36	2,193.723	20,854.91	127.019	8.5066	91	0.892	3.39	0.556	2.7988
37	1,969.699	18,661.19	120.392	8.4741	92	0.680	2.50	0.433	2.6695
38	1,768.211	16,691.49	114.099	8.4398	93	0.511	1.82	0.331	2.5524
39	1,587.074	14,923.28	108.190	8.4030	94	0.379	1.30	0.250	2.4407
40	1,424.243	13,336.21	102.636	8.3637	95	0.278	0.93	0.186	2.3272
41	1,277.904	11,911.96	97.439	8.3215	96	0.202	0.65	0.137	2.2124
42	1,146.370	10,634.06	92.544	8.2763	97	0.144	0.45	0.100	2.1019
43	1,028.143	9,487.69	87.921	8.2280	98	0.101	0.30	0.071	1.9946
44	921.856	8,459.55	83.523	8.1766	99	0.070	0.20	0.050	1.8892
45	826.292	7,537.69	79.314	8.1223	100	0.047	0.13	0.034	1.7858
46	740.361	6,711.40	75.267	8.0650	101	0.031	0.08	0.023	1.6845
47	663.087	5,971.04	71.362	8.0049	102	0.020	0.05	0.015	1.5853
48	593.597	5,307.95	67.584	7.9420	103	0.013	0.03	0.010	1.4883
49	531.115	4,714.36	63.927	7.8763	104	0.008	0.02	0.006	1.3936
50	474.960	4,183.24	60.405	7.8076	105	0.005	0.01	0.004	1.3011
51	424.505	3,708.28	57.018	7.7355	106	0.003	0.01	0.002	1.2110
52	379.169	3,283.77	53.750	7.6604	107	0.002	0.00	0.001	1.1232
53	338.441	2,904.61	50.597	7.5823	108	0.001	0.00	0.001	1.0378
54	301.857	2,566.16	47.552	7.5013	109	0.000	0.00	0.000	0.9548

**Table 7.L. -- Actuarial Functions at 12.0 Percent Interest for 1989-91 United States
Total Other than White Population**

x	D_x	N_x	M_x	a_x	x	D_x	N_x	M_x	a_x
0	100,000.000	914,834.08	1,982.063	8.1483	55	164.258	1,303.82	24.563	6.9376
1	87,882.143	814,834.08	578.491	8.2719	56	144.943	1,139.56	22.847	6.8621
2	78,377.710	726,951.94	490.003	8.2750	57	127.778	994.61	21.212	6.7840
3	69,931.698	648,574.23	441.602	8.2744	58	112.527	866.84	19.652	6.7033
4	62,404.698	578,642.53	407.284	8.2724	59	98.986	754.31	18.167	6.6204
5	55,695.216	516,237.83	384.019	8.2690	60	86.968	655.32	16.754	6.5353
6	49,708.619	460,542.62	364.767	8.2648	61	76.316	568.36	15.421	6.4474
7	44,367.768	410,834.00	349.840	8.2597	62	66.884	492.04	14.166	6.3566
8	39,602.366	366,466.23	338.127	8.2536	63	58.538	425.16	12.986	6.2629
9	35,350.240	326,863.86	329.112	8.2464	64	51.154	366.62	11.873	6.1670
10	31,555.631	291,513.62	322.029	8.2381	65	44.626	315.46	10.827	6.0690
11	28,169.208	259,957.99	316.566	8.2284	66	38.862	270.84	9.843	5.9693
12	25,145.946	231,788.78	311.433	8.2177	67	33.780	231.98	8.926	5.8672
13	22,445.779	206,642.84	305.474	8.2063	68	29.310	198.20	8.074	5.7622
14	20,032.689	184,197.06	297.290	8.1948	69	25.382	168.89	7.287	5.6538
15	17,875.916	164,164.37	286.876	8.1836	70	21.935	143.50	6.560	5.5422
16	15,947.752	146,288.45	273.989	8.1730	71	18.913	121.57	5.888	5.4278
17	14,225.083	130,340.70	260.008	8.1627	72	16.265	102.66	5.266	5.3115
18	12,686.272	116,115.62	245.313	8.1529	73	13.948	86.39	4.692	5.1937
19	11,312.399	103,429.35	230.684	8.1430	74	11.927	72.44	4.166	5.0737
20	10,086.258	92,116.95	216.585	8.1329	75	10.170	60.52	3.686	4.9504
21	8,992.166	82,030.69	203.164	8.1225	76	8.647	50.35	3.253	4.8225
22	8,015.745	73,038.52	190.189	8.1119	77	7.329	41.70	2.862	4.6894
23	7,144.666	65,022.78	177.940	8.1009	78	6.192	34.37	2.509	4.5508
24	6,367.835	57,878.11	166.608	8.0891	79	5.210	28.18	2.191	4.4086
25	5,675.096	51,510.28	156.138	8.0765	80	4.362	22.97	1.901	4.2651
26	5,057.544	45,835.18	146.632	8.0627	81	3.631	18.61	1.638	4.1235
27	4,506.942	40,777.64	137.909	8.0477	82	3.003	14.97	1.399	3.9860
28	4,015.975	36,270.70	129.829	8.0316	83	2.467	11.97	1.184	3.8528
29	3,578.140	32,254.72	122.277	8.0144	84	2.014	9.50	0.995	3.7201
30	3,187.592	28,676.58	115.101	7.9963	85	1.634	7.49	0.832	3.5828
31	2,839.269	25,488.99	108.306	7.9773	86	1.319	5.86	0.692	3.4398
32	2,528.676	22,649.72	101.920	7.9571	87	1.057	4.54	0.571	3.2929
33	2,251.735	20,121.04	95.909	7.9358	88	0.840	3.48	0.467	3.1434
34	2,004.793	17,869.31	90.224	7.9133	89	0.661	2.64	0.378	2.9946
35	1,784.653	15,864.52	84.883	7.8894	90	0.514	1.98	0.302	2.8504
36	1,588.401	14,079.86	79.844	7.8642	91	0.394	1.47	0.237	2.7155
37	1,413.459	12,491.46	75.088	7.8375	92	0.298	1.07	0.183	2.5924
38	1,257.541	11,078.00	70.613	7.8093	93	0.222	0.77	0.139	2.4808
39	1,118.640	9,820.46	66.448	7.7789	94	0.163	0.55	0.104	2.3743
40	994.906	8,701.82	62.568	7.7464	95	0.119	0.39	0.077	2.2659
41	884.711	7,706.91	58.970	7.7112	96	0.085	0.27	0.056	2.1559
42	786.562	6,822.20	55.612	7.6734	97	0.060	0.18	0.041	2.0499
43	699.144	6,035.64	52.468	7.6329	98	0.042	0.12	0.029	1.9468
44	621.271	5,336.50	49.504	7.5896	99	0.029	0.08	0.020	1.8454
45	551.895	4,715.23	46.693	7.5437	100	0.019	0.05	0.014	1.7458
46	490.085	4,163.33	44.014	7.4951	101	0.013	0.03	0.009	1.6481
47	435.014	3,673.25	41.452	7.4440	102	0.008	0.02	0.006	1.5522
48	385.949	3,238.23	38.995	7.3903	103	0.005	0.01	0.004	1.4583
49	342.241	2,852.28	36.639	7.3341	104	0.003	0.01	0.002	1.3665
50	303.323	2,510.04	34.390	7.2751	105	0.002	0.00	0.001	1.2768
51	268.680	2,206.72	32.246	7.2132	106	0.001	0.00	0.001	1.1892
52	237.843	1,938.04	30.196	7.1484	107	0.001	0.00	0.000	1.1037
53	210.400	1,700.20	28.236	7.0808	108	0.000	0.00	0.000	1.0204
54	185.981	1,489.80	26.360	7.0105	109	0.000	0.00	0.000	0.9394

**Table 8.A. -- Actuarial Functions at 1.0 Percent Interest for 1989-91 United States
Males Other than White**

x	D_x	N_x	M_x	a_x	x	D_x	N_x	M_x	a_x
0	100,000.000	4,827,953.75	52,198.478	47.2795	55	45,305.691	834,541.84	37,042.900	17.4202
1	97,314.851	4,727,953.75	50,503.428	47.5841	56	44,154.867	789,236.15	36,340.648	16.8743
2	96,234.683	4,630,638.89	50,386.773	47.1182	57	42,975.318	745,081.28	35,598.276	16.3374
3	95,209.070	4,534,404.21	50,313.979	46.6258	58	41,767.632	702,105.96	34,816.087	15.8098
4	94,205.864	4,439,195.14	50,253.437	46.1223	59	40,533.502	660,338.33	33,995.499	15.2912
5	93,228.414	4,344,989.28	50,208.718	45.6058	60	39,275.681	619,804.83	33,139.000	14.7809
6	92,265.794	4,251,760.86	50,169.152	45.0817	61	37,999.008	580,529.15	32,251.195	14.2775
7	91,317.761	4,159,495.07	50,134.642	44.5497	62	36,704.375	542,530.14	31,332.790	13.7811
8	90,382.226	4,068,177.31	50,103.243	44.0108	63	35,391.584	505,825.76	30,383.408	13.2923
9	89,460.837	3,977,795.08	50,076.727	43.4641	64	34,056.757	470,434.18	29,398.993	12.8132
10	88,554.265	3,888,334.24	50,055.906	42.9091	65	32,699.327	436,377.42	28,378.759	12.3451
11	87,660.460	3,799,779.98	50,038.876	42.3466	66	31,323.437	403,678.09	27,326.624	11.8874
12	86,774.785	3,712,119.52	50,021.127	41.7788	67	29,935.647	372,354.66	26,248.968	11.4385
13	85,888.390	3,625,344.74	49,993.888	41.2100	68	28,540.751	342,419.01	25,150.464	10.9975
14	84,991.032	3,539,456.34	49,946.910	40.6451	69	27,141.855	313,878.26	24,034.149	10.5644
15	84,077.184	3,454,465.31	49,874.557	40.0868	70	25,739.457	286,736.40	22,900.483	10.1400
16	83,144.103	3,370,388.13	49,773.924	39.5367	71	24,332.073	260,996.95	21,747.945	9.7265
17	82,195.082	3,287,244.03	49,648.112	38.9932	72	22,918.771	236,664.87	20,575.554	9.3262
18	81,234.966	3,205,048.94	49,501.809	38.4541	73	21,504.952	213,746.10	19,388.654	8.9394
19	80,268.423	3,123,813.98	49,339.572	37.9171	74	20,102.517	192,241.15	18,199.139	8.5630
20	79,301.582	3,043,545.55	49,167.467	37.3794	75	18,724.796	172,138.63	17,020.453	8.1931
21	78,332.223	2,964,243.97	48,983.273	36.8419	76	17,380.836	153,413.84	15,861.887	7.8266
22	77,361.431	2,885,911.75	48,788.047	36.3043	77	16,072.344	136,033.00	14,725.482	7.4638
23	76,391.048	2,808,550.32	48,583.619	35.7654	78	14,801.404	119,960.66	13,613.674	7.1047
24	75,425.208	2,732,159.27	48,374.126	35.2234	79	13,563.623	105,159.26	12,522.442	6.7530
25	74,467.886	2,656,734.06	48,163.589	34.6762	80	12,356.571	91,595.63	11,449.684	6.4127
26	73,518.267	2,582,266.18	47,951.275	34.1241	81	11,177.005	79,239.06	10,392.460	6.0895
27	72,577.859	2,508,747.91	47,738.771	33.5663	82	10,029.315	68,062.06	9,355.433	5.7863
28	71,642.812	2,436,170.05	47,522.316	33.0044	83	8,926.461	58,032.74	8,351.879	5.5012
29	70,710.173	2,364,527.24	47,299.012	32.4397	84	7,888.248	49,106.28	7,402.047	5.2252
30	69,777.108	2,293,817.07	47,066.048	31.8735	85	6,929.380	41,218.03	6,521.281	4.9483
31	68,843.101	2,224,039.96	46,822.903	31.3059	86	6,049.498	34,288.65	5,710.006	4.6680
32	67,909.839	2,155,196.86	46,571.256	30.7362	87	5,240.639	28,239.16	4,961.043	4.3885
33	66,976.067	2,087,287.02	46,309.859	30.1647	88	4,497.612	22,998.52	4,269.904	4.1135
34	66,039.869	2,020,310.95	46,036.790	29.5923	89	3,814.570	18,500.90	3,631.392	3.8501
35	65,101.525	1,954,271.08	45,752.307	29.0188	90	3,189.127	14,686.34	3,043.718	3.6051
36	64,159.913	1,889,169.56	45,455.263	28.4447	91	2,621.791	11,497.21	2,507.957	3.3853
37	63,213.264	1,825,009.64	45,143.861	27.8707	92	2,115.419	8,875.42	2,027.544	3.1956
38	62,264.683	1,761,796.38	44,821.154	27.2953	93	1,675.500	6,760.00	1,608.570	3.0346
39	61,317.156	1,699,531.70	44,490.110	26.7171	94	1,307.271	5,084.50	1,256.929	2.8894
40	60,370.871	1,638,214.54	44,150.925	26.1358	95	1,008.728	3,777.23	971.330	2.7445
41	59,426.673	1,577,843.67	43,804.458	25.5511	96	769.999	2,768.50	742.588	2.5955
42	58,483.402	1,518,417.00	43,449.570	24.9632	97	579.039	1,998.50	559.252	2.4514
43	57,538.643	1,459,933.60	43,083.855	24.3731	98	428.546	1,419.46	414.492	2.3123
44	56,590.077	1,402,394.95	42,704.978	23.7816	99	311.808	990.91	301.997	2.1780
45	55,634.843	1,345,804.88	42,310.042	23.1900	100	222.779	679.11	216.055	2.0483
46	54,670.199	1,290,170.03	41,896.238	22.5991	101	156.100	456.33	151.582	1.9233
47	53,692.892	1,235,499.84	41,460.220	22.0105	102	107.118	300.23	104.146	1.8028
48	52,702.286	1,181,806.94	41,001.227	21.4242	103	71.880	193.11	69.968	1.6866
49	51,697.169	1,129,104.66	40,517.915	20.8407	104	47.087	121.23	45.887	1.5746
50	50,678.212	1,077,407.49	40,010.811	20.2598	105	30.057	74.14	29.323	1.4668
51	49,644.263	1,026,729.28	39,478.627	19.6817	106	18.657	44.09	18.221	1.3630
52	48,593.037	977,085.01	38,918.928	19.1075	107	11.237	25.43	10.985	1.2630
53	47,522.352	928,491.98	38,329.362	18.5380	108	6.550	14.19	6.409	1.1669
54	46,427.787	880,969.62	37,705.315	17.9751	109	3.684	7.64	3.609	1.0745

**Table 8.B. -- Actuarial Functions at 2.0 Percent Interest for 1989-91 United States
Males Other than White**

x	D_x	N_x	M_x	a_x	x	D_x	N_x	M_x	a_x
0	100,000.000	3,632,045.42	28,783.423	35.3205	55	26,352.321	433,527.17	17,851.788	15.4512
1	96,360.784	3,532,045.42	27,104.992	35.6544	56	25,431.144	407,174.85	17,447.323	15.0109
2	94,356.978	3,435,684.64	26,990.613	35.4116	57	24,509.114	381,743.70	17,023.944	14.5756
3	92,436.167	3,341,327.66	26,919.939	35.1474	58	23,586.829	357,234.59	16,582.230	14.1455
4	90,565.491	3,248,891.49	26,861.736	34.8734	59	22,665.487	333,647.76	16,123.374	13.7205
5	88,747.128	3,158,326.00	26,819.167	34.5879	60	21,746.824	310,982.27	15,649.133	13.3001
6	86,969.693	3,069,578.87	26,781.872	34.2948	61	20,833.661	289,235.45	15,162.377	12.8831
7	85,232.194	2,982,609.18	26,749.661	33.9939	62	19,926.561	268,401.79	14,663.781	12.4695
8	83,531.956	2,897,376.98	26,720.643	33.6859	63	19,025.485	248,475.23	14,153.421	12.0601
9	81,869.809	2,813,845.03	26,696.377	33.3698	64	18,128.431	229,449.74	13,629.416	11.6569
10	80,245.650	2,731,975.22	26,677.509	33.0452	65	17,235.225	211,321.31	13,091.670	11.2610
11	78,656.925	2,651,729.57	26,662.228	32.7126	66	16,348.155	194,086.09	12,542.545	10.8720
12	77,098.863	2,573,072.64	26,646.458	32.3737	67	15,470.672	177,737.93	11,985.615	10.4887
13	75,563.156	2,495,973.78	26,622.494	32.0316	68	14,605.188	162,267.26	11,423.477	10.1102
14	74,040.601	2,420,410.63	26,581.569	31.6903	69	13,753.159	147,662.07	10,857.824	9.7366
15	72,526.411	2,346,370.02	26,519.155	31.3519	70	12,914.676	133,908.91	10,289.011	9.3687
16	71,018.368	2,273,843.61	26,433.199	31.0177	71	12,088.835	120,994.24	9,716.399	9.0088
17	69,519.440	2,202,825.25	26,326.789	30.6865	72	11,275.034	108,905.40	9,139.634	8.6590
18	68,033.786	2,133,305.81	26,204.261	30.3566	73	10,475.776	97,630.37	8,561.456	8.3196
19	66,565.250	2,065,272.02	26,069.720	30.0263	74	9,696.598	87,154.59	7,987.684	7.9882
20	65,118.725	1,998,706.77	25,928.396	29.6933	75	8,943.494	77,457.99	7,424.710	7.6608
21	63,692.118	1,933,588.04	25,778.627	29.3584	76	8,220.193	68,514.50	6,876.771	7.3349
22	62,286.071	1,869,895.93	25,621.445	29.0211	77	7,526.824	60,294.31	6,344.583	7.0106
23	60,901.798	1,807,609.85	25,458.467	28.6807	78	6,863.674	52,767.48	5,829.018	6.6879
24	59,542.267	1,746,708.06	25,293.089	28.3356	79	6,228.030	45,903.81	5,327.955	6.3705
25	58,210.198	1,687,165.79	25,128.516	27.9840	80	5,618.161	39,675.78	4,840.204	6.0621
26	56,904.487	1,628,955.59	24,964.182	27.6261	81	5,032.025	34,057.62	4,364.229	5.7682
27	55,625.843	1,572,051.10	24,801.312	27.2612	82	4,471.053	29,025.59	3,901.924	5.4919
28	54,370.870	1,516,425.26	24,637.041	26.8904	83	3,940.389	24,554.54	3,458.927	5.2315
29	53,136.967	1,462,054.39	24,469.233	26.5148	84	3,447.954	20,614.15	3,043.755	4.9787
30	51,921.715	1,408,917.42	24,295.883	26.1354	85	2,999.139	17,166.20	2,662.547	4.7237
31	50,724.490	1,356,995.71	24,116.731	25.7523	86	2,592.643	14,167.06	2,314.857	4.4643
32	49,546.293	1,306,271.22	23,933.132	25.3647	87	2,223.969	11,574.41	1,997.020	4.2044
33	48,385.954	1,256,724.93	23,744.289	24.9729	88	1,889.939	9,350.44	1,706.597	3.9475
34	47,241.869	1,208,338.97	23,548.948	24.5777	89	1,587.203	7,460.51	1,440.919	3.7004
35	46,114.047	1,161,097.10	23,347.437	24.1788	90	1,313.953	5,873.30	1,198.791	3.4699
36	45,001.505	1,114,983.06	23,139.092	23.7766	91	1,069.615	4,559.35	980.216	3.2626
37	43,902.847	1,069,981.55	22,922.817	23.3716	92	854.569	3,489.73	786.143	3.0836
38	42,820.078	1,026,078.71	22,700.888	22.9626	93	670.218	2,635.17	618.548	2.9318
39	41,755.038	983,258.63	22,475.457	22.5483	94	517.796	1,964.95	479.267	2.7948
40	40,707.602	941,503.59	22,246.747	22.1284	95	395.629	1,447.15	367.254	2.6578
41	39,678.084	900,795.99	22,015.418	21.7026	96	299.038	1,051.52	278.419	2.5164
42	38,665.454	861,117.90	21,780.789	21.2710	97	222.672	752.48	207.917	2.3793
43	37,667.890	822,452.45	21,541.372	20.8343	98	163.183	529.81	152.795	2.2467
44	36,683.703	784,784.56	21,295.771	20.3933	99	117.567	366.63	110.378	2.1185
45	35,710.913	748,100.86	21,042.269	19.9488	100	83.175	249.06	78.292	1.9944
46	34,747.691	712,389.94	20,779.260	19.5018	101	57.709	165.89	54.456	1.8746
47	33,791.953	677,642.25	20,504.850	19.0534	102	39.213	108.18	37.092	1.7588
48	32,843.328	643,850.30	20,218.812	18.6037	103	26.055	68.97	24.703	1.6469
49	31,901.100	611,006.97	19,920.572	18.1532	104	16.901	42.91	16.059	1.5390
50	30,965.734	579,105.87	19,610.717	17.7015	105	10.682	26.01	10.172	1.4349
51	30,036.572	548,140.14	19,288.726	17.2491	106	6.566	15.33	6.265	1.3344
52	29,112.302	518,103.56	18,953.409	16.7967	107	3.916	8.76	3.744	1.2376
53	28,191.724	488,991.26	18,603.660	16.3452	108	2.260	4.85	2.165	1.1444
54	27,272.371	460,799.54	18,237.085	15.8962	109	1.259	2.59	1.208	1.0545

**Table 8.C. -- Actuarial Functions at 3.0 Percent Interest for 1989-91 United States
Males Other than White**

x	D_x	N_x	M_x	a_x	x	D_x	N_x	M_x	a_x
0	100,000.000	2,852,545.41	16,916.153	27.5255	55	15,409.231	228,348.20	8,758.312	13.8189
1	95,425.243	2,752,545.41	15,254.017	27.8450	56	14,726.208	212,938.97	8,524.102	13.4599
2	92,533.698	2,657,120.16	15,141.848	27.7152	57	14,054.506	198,212.76	8,281.319	13.1031
3	89,769.906	2,564,586.46	15,073.213	27.5684	58	13,394.315	184,158.26	8,030.482	12.7490
4	87,099.274	2,474,816.56	15,017.238	27.4137	59	12,746.147	170,763.94	7,772.440	12.3973
5	84,521.859	2,387,717.28	14,976.695	27.2497	60	12,110.795	158,017.79	7,508.335	12.0477
6	82,024.883	2,303,195.43	14,941.521	27.0792	61	11,489.612	145,907.00	7,239.893	11.6990
7	79,605.724	2,221,170.54	14,911.437	26.9021	62	10,882.660	134,417.39	6,967.591	11.3515
8	77,260.271	2,141,564.82	14,884.597	26.7188	63	10,289.669	123,534.73	6,691.570	11.0057
9	74,987.746	2,064,304.55	14,862.371	26.5286	64	9,709.320	113,245.06	6,410.921	10.6635
10	72,786.523	1,989,316.80	14,845.257	26.3308	65	9,141.312	103,535.74	6,125.708	10.3261
11	70,652.801	1,916,530.28	14,831.531	26.1260	66	8,586.640	94,394.43	5,837.288	9.9932
12	68,580.925	1,845,877.48	14,817.503	25.9153	67	8,046.864	85,807.79	5,547.608	9.6635
13	66,562.313	1,777,296.55	14,796.394	25.7012	68	7,522.939	77,760.92	5,258.058	9.3365
14	64,587.904	1,710,734.24	14,760.693	25.4869	69	7,015.293	70,237.98	4,969.526	9.0121
15	62,652.787	1,646,146.34	14,706.777	25.2741	70	6,523.638	63,222.69	4,682.200	8.6913
16	60,754.414	1,583,493.55	14,633.243	25.0638	71	6,047.191	56,699.05	4,395.762	8.3761
17	58,894.721	1,522,739.14	14,543.096	24.8553	72	5,585.346	50,651.86	4,110.049	8.0687
18	57,076.547	1,463,844.41	14,440.302	24.6470	73	5,139.032	45,066.52	3,826.415	7.7695
19	55,302.347	1,406,767.87	14,328.525	24.4378	74	4,710.613	39,927.48	3,547.677	7.4761
20	53,575.327	1,351,465.52	14,212.254	24.2255	75	4,302.573	35,216.87	3,276.839	7.1851
21	51,892.857	1,297,890.19	14,090.230	24.0110	76	3,916.210	30,914.30	3,015.794	6.8939
22	50,254.595	1,245,997.34	13,963.410	23.7937	77	3,551.066	26,998.09	2,764.713	6.6028
23	48,660.649	1,195,742.74	13,833.190	23.5731	78	3,206.761	23,447.02	2,523.838	6.3117
24	47,112.494	1,147,082.09	13,702.336	23.3477	79	2,881.532	20,240.26	2,292.010	6.0241
25	45,611.332	1,099,969.60	13,573.382	23.1161	80	2,574.127	17,358.73	2,068.533	5.7435
26	44,155.330	1,054,358.27	13,445.866	22.8784	81	2,283.187	14,784.60	1,852.568	5.4754
27	42,744.100	1,010,202.94	13,320.714	22.6337	82	2,008.961	12,501.41	1,644.842	5.2228
28	41,374.123	967,458.84	13,195.710	22.3832	83	1,753.330	10,492.45	1,447.725	4.9843
29	40,042.596	926,084.71	13,069.255	22.1275	84	1,519.319	8,739.12	1,264.782	4.7520
30	38,746.943	886,042.12	12,939.891	21.8674	85	1,308.721	7,219.80	1,098.435	4.5167
31	37,485.995	847,295.18	12,807.495	21.6030	86	1,120.356	5,911.08	948.189	4.2761
32	36,259.806	809,809.18	12,673.130	21.3335	87	951.711	4,790.73	812.175	4.0338
33	35,066.834	773,549.38	12,536.270	21.0593	88	800.916	3,839.02	689.100	3.7933
34	33,905.275	738,482.54	12,396.075	20.7808	89	666.093	3,038.10	577.605	3.5611
35	32,774.523	704,577.27	12,252.855	20.4977	90	546.066	2,372.01	476.979	3.3438
36	31,673.287	671,802.74	12,106.216	20.2104	91	440.206	1,825.94	387.023	3.1479
37	30,600.021	640,129.46	11,955.474	19.9192	92	348.288	1,385.73	307.926	2.9787
38	29,555.577	609,529.44	11,802.293	19.6232	93	270.502	1,037.45	240.285	2.8353
39	28,540.647	579,973.86	11,648.205	19.3210	94	206.955	766.95	184.617	2.7059
40	27,554.555	551,433.21	11,493.394	19.0124	95	156.592	559.99	140.281	2.5761
41	26,596.931	523,878.66	11,338.329	18.6970	96	117.211	403.40	105.462	2.4416
42	25,666.514	497,281.72	11,182.580	18.3747	97	86.431	286.19	78.096	2.3112
43	24,761.561	471,615.21	11,025.196	18.0463	98	62.726	199.76	56.907	2.1846
44	23,880.468	446,853.65	10,865.314	17.7121	99	44.753	137.03	40.761	2.0620
45	23,021.498	422,973.18	10,701.890	17.3730	100	31.354	92.28	28.666	1.9431
46	22,183.063	399,951.68	10,533.985	17.0296	101	21.543	60.92	19.768	1.8281
47	21,363.470	377,768.62	10,360.501	16.6829	102	14.496	39.38	13.349	1.7168
48	20,562.154	356,405.15	10,181.422	16.3331	103	9.538	24.89	8.814	1.6090
49	19,778.351	335,843.00	9,996.516	15.9803	104	6.127	15.35	5.680	1.5049
50	19,012.041	316,064.65	9,806.274	15.6244	105	3.835	9.22	3.567	1.4043
51	18,262.519	297,052.60	9,610.501	15.2657	106	2.334	5.39	2.177	1.3071
52	17,528.704	278,790.09	9,408.604	14.9048	107	1.379	3.05	1.290	1.2132
53	16,809.617	261,261.38	9,200.062	14.5424	108	0.788	1.67	0.739	1.1226
54	16,103.565	244,451.77	8,983.611	14.1800	109	0.435	0.88	0.409	1.0353

**Table 8.D. -- Actuarial Functions at 4.0 Percent Interest for 1989-91 United States
Males Other than White**

x	D_x	N_x	M_x	a_x	x	D_x	N_x	M_x	a_x
0	100,000.000	2,322,389.12	10,677.341	22.2239	55	9,057.215	121,845.64	4,370.844	12.4529
1	94,507.692	2,222,389.12	9,031.188	22.5154	56	8,572.520	112,788.43	4,234.504	12.1570
2	90,762.759	2,127,881.43	8,921.165	22.4444	57	8,102.836	104,215.91	4,094.532	11.8617
3	87,205.209	2,037,118.67	8,854.491	22.3601	58	7,647.964	96,113.07	3,951.308	11.5671
4	83,797.310	1,949,913.46	8,800.638	22.2694	59	7,207.890	88,465.11	3,805.386	11.2734
5	80,535.706	1,866,116.16	8,762.007	22.1713	60	6,782.750	81,257.22	3,657.472	10.9800
6	77,404.985	1,785,580.45	8,728.814	22.0680	61	6,372.977	74,474.47	3,508.575	10.6860
7	74,399.754	1,708,175.46	8,700.697	21.9594	62	5,978.276	68,101.49	3,358.988	10.3915
8	71,513.381	1,633,775.71	8,675.854	21.8457	63	5,598.171	62,123.21	3,208.817	10.0971
9	68,742.491	1,562,262.33	8,655.479	21.7263	64	5,231.636	56,525.04	3,057.596	9.8045
10	66,083.011	1,493,519.84	8,639.941	21.6007	65	4,878.216	51,293.41	2,905.393	9.5148
11	63,529.015	1,427,436.83	8,627.599	21.4691	66	4,538.159	46,415.19	2,752.959	9.2278
12	61,073.100	1,363,907.81	8,615.107	21.3324	67	4,211.986	41,877.03	2,601.331	8.9423
13	58,705.516	1,302,834.71	8,596.489	21.1927	68	3,899.885	37,665.04	2,451.229	8.6580
14	56,416.428	1,244,129.20	8,565.305	21.0526	69	3,601.753	33,765.16	2,303.093	8.3746
15	54,199.923	1,187,712.77	8,518.663	20.9136	70	3,317.125	30,163.41	2,156.994	8.0932
16	52,052.310	1,133,512.84	8,455.662	20.7764	71	3,045.296	26,846.28	2,012.747	7.8157
17	49,973.805	1,081,460.53	8,379.169	20.6405	72	2,785.671	23,800.99	1,870.248	7.5441
18	47,965.351	1,031,486.73	8,292.784	20.5048	73	2,538.429	21,015.32	1,730.147	7.2789
19	46,027.500	983,521.38	8,199.754	20.3681	74	2,304.438	18,476.89	1,593.788	7.0180
20	44,161.370	937,493.88	8,103.913	20.2288	75	2,084.585	16,172.45	1,462.568	6.7581
21	42,363.241	893,332.51	8,004.298	20.0874	76	1,879.149	14,087.86	1,337.308	6.4969
22	40,631.350	850,969.27	7,901.763	19.9437	77	1,687.555	12,208.71	1,217.989	6.2346
23	38,964.334	810,337.92	7,797.491	19.7969	78	1,509.279	10,521.16	1,104.619	5.9710
24	37,361.934	771,373.58	7,693.719	19.6460	79	1,343.168	9,011.88	996.558	5.7094
25	35,823.655	734,011.65	7,592.437	19.4896	80	1,188.340	7,668.71	893.390	5.4533
26	34,346.632	698,188.00	7,493.248	19.3277	81	1,043.894	6,480.37	794.649	5.2079
27	32,929.193	663,841.36	7,396.833	19.1597	82	909.683	5,436.48	700.588	4.9762
28	31,567.311	630,912.17	7,301.458	18.9863	83	786.296	4,526.79	612.189	4.7571
29	30,257.629	599,344.86	7,205.904	18.8081	84	674.801	3,740.50	530.935	4.5431
30	28,997.062	569,087.23	7,109.092	18.6257	85	575.675	3,065.70	457.763	4.3254
31	27,783.662	540,090.17	7,010.964	18.4391	86	488.079	2,490.02	392.309	4.1017
32	26,616.430	512,306.51	6,912.334	18.2478	87	410.623	2,001.94	333.625	3.8754
33	25,493.225	485,690.08	6,812.837	18.0517	88	342.239	1,591.32	281.034	3.6497
34	24,411.776	460,196.85	6,711.897	17.8514	89	281.891	1,249.08	233.849	3.4311
35	23,370.735	435,785.07	6,609.771	17.6466	90	228.873	967.19	191.673	3.2259
36	22,368.301	412,414.34	6,506.211	17.4374	91	182.730	738.32	154.333	3.0405
37	21,402.548	390,046.04	6,400.778	17.2243	92	143.184	555.59	121.816	2.8802
38	20,473.264	368,643.49	6,294.668	17.0061	93	110.137	412.40	94.275	2.7445
39	19,580.120	348,170.23	6,188.957	16.7818	94	83.453	302.27	71.827	2.6220
40	18,721.852	328,590.11	6,083.772	16.5512	95	62.537	218.82	54.121	2.4990
41	17,897.436	309,868.25	5,979.427	16.3136	96	46.360	156.28	40.349	2.3710
42	17,105.276	291,970.82	5,875.629	16.0691	97	33.857	109.92	29.629	2.2466
43	16,343.501	274,865.54	5,771.749	15.8180	98	24.335	76.06	21.409	2.1256
44	15,610.392	258,522.04	5,667.236	15.5609	99	17.195	51.73	15.206	2.0083
45	14,904.191	242,911.65	5,561.436	15.2982	100	11.931	34.53	10.603	1.8943
46	14,223.296	228,007.46	5,453.778	15.0306	101	8.119	22.60	7.250	1.7838
47	13,566.081	213,784.16	5,343.614	14.7587	102	5.411	14.48	4.854	1.6766
48	12,931.685	200,218.08	5,230.989	14.4828	103	3.526	9.07	3.177	1.5728
49	12,319.142	187,286.40	5,115.819	14.2029	104	2.243	5.55	2.030	1.4722
50	11,727.974	174,967.25	4,998.465	13.9188	105	1.391	3.30	1.264	1.3749
51	11,157.293	163,239.28	4,878.859	13.6307	106	0.838	1.91	0.765	1.2807
52	10,606.005	152,081.99	4,756.698	13.3392	107	0.490	1.07	0.449	1.1897
53	10,073.114	141,475.98	4,631.730	13.0449	108	0.278	0.58	0.255	1.1017
54	9,557.226	131,402.87	4,503.269	12.7491	109	0.152	0.31	0.140	1.0167

**Table 8.E. -- Actuarial Functions at 5.0 Percent Interest for 1989-91 United States
Males Other than White**

x	D_x	N_x	M_x	a_x	x	D_x	N_x	M_x	a_x
0	100,000.000	1,947,403.06	7,266.521	18.4740	55	5,350.777	65,810.98	2,216.921	11.2993
1	93,607.619	1,847,403.06	5,636.045	18.7356	56	5,016.199	60,460.20	2,137.142	11.0530
2	89,042.177	1,753,795.44	5,528.108	18.6962	57	4,696.208	55,444.01	2,056.018	10.8061
3	84,737.285	1,664,753.26	5,463.321	18.6461	58	4,390.361	50,747.80	1,973.799	10.5589
4	80,650.346	1,580,015.98	5,411.490	18.5909	59	4,098.326	46,357.44	1,890.829	10.3113
5	76,773.028	1,499,365.63	5,374.665	18.5298	60	3,819.867	42,259.11	1,807.528	10.0630
6	73,085.828	1,422,592.60	5,343.324	18.4647	61	3,554.912	38,439.24	1,724.472	9.8130
7	69,579.256	1,349,506.77	5,317.028	18.3952	62	3,302.984	34,884.33	1,641.825	9.5615
8	66,242.945	1,279,927.52	5,294.016	18.3217	63	3,063.520	31,581.35	1,559.646	9.3088
9	63,069.826	1,213,684.57	5,275.322	18.2435	64	2,835.672	28,517.83	1,477.681	9.0568
10	60,052.381	1,150,614.75	5,261.202	18.1602	65	2,618.929	25,682.16	1,395.969	8.8064
11	57,181.634	1,090,562.37	5,250.093	18.0719	66	2,413.161	23,063.23	1,314.912	8.5573
12	54,447.563	1,033,380.73	5,238.956	17.9794	67	2,218.389	20,650.07	1,235.052	8.3086
13	51,838.382	978,933.17	5,222.517	17.8843	68	2,034.447	18,431.68	1,156.749	8.0598
14	49,342.614	927,094.79	5,195.243	17.7889	69	1,861.027	16,397.23	1,080.207	7.8108
15	46,952.560	877,752.17	5,154.837	17.6944	70	1,697.636	14,536.20	1,005.436	7.5626
16	44,662.667	830,799.61	5,100.780	17.6017	71	1,543.677	12,838.57	932.317	7.3169
17	42,470.865	786,136.95	5,035.772	17.5100	72	1,398.623	11,294.89	860.771	7.0757
18	40,375.727	743,666.08	4,963.056	17.4186	73	1,262.350	9,896.27	791.100	6.8396
19	38,375.509	703,290.36	4,885.492	17.3265	74	1,135.073	8,633.92	723.935	6.6065
20	36,468.957	664,914.85	4,806.345	17.2324	75	1,017.004	7,498.84	659.916	6.3735
21	34,650.860	628,445.89	4,724.865	17.1365	76	908.047	6,481.84	599.388	6.1382
22	32,917.750	593,795.03	4,641.796	17.0387	77	807.698	5,573.79	542.279	5.9008
23	31,266.566	560,877.28	4,558.124	16.9386	78	715.492	4,766.09	488.535	5.6613
24	29,695.204	529,610.71	4,475.646	16.8349	79	630.681	4,050.60	437.795	5.4226
25	28,201.415	499,915.51	4,395.914	16.7266	80	552.668	3,419.92	389.814	5.1880
26	26,781.149	471,714.10	4,318.573	16.6137	81	480.865	2,867.25	344.330	4.9627
27	25,431.394	444,932.95	4,244.111	16.4954	82	415.051	2,386.39	301.413	4.7496
28	24,147.419	419,501.55	4,171.154	16.3725	83	355.338	1,971.34	261.465	4.5478
29	22,925.144	395,354.13	4,098.756	16.2454	84	302.047	1,616.00	225.095	4.3502
30	21,760.818	372,428.99	4,026.104	16.1147	85	255.224	1,313.95	192.654	4.1482
31	20,651.649	350,668.17	3,953.165	15.9802	86	214.327	1,058.73	163.912	3.9398
32	19,595.624	330,016.52	3,880.551	15.8413	87	178.597	844.40	138.388	3.7280
33	18,589.945	310,420.90	3,807.997	15.6983	88	147.436	665.80	115.731	3.5159
34	17,631.804	291,830.95	3,735.092	15.5514	89	120.282	518.37	95.598	3.3096
35	16,719.134	274,199.15	3,662.032	15.4003	90	96.729	398.08	77.773	3.1154
36	15,849.605	257,480.02	3,588.652	15.2452	91	76.492	301.36	62.142	2.9397
37	15,020.866	241,630.41	3,514.656	15.0863	92	59.367	224.86	48.660	2.7877
38	14,231.826	226,609.54	3,440.895	14.9227	93	45.230	165.50	37.349	2.6590
39	13,481.336	212,377.72	3,368.111	14.7535	94	33.945	120.27	28.218	2.5429
40	12,767.634	198,896.38	3,296.378	14.5782	95	25.195	86.32	21.085	2.4260
41	12,089.170	186,128.75	3,225.896	14.3963	96	18.500	61.13	15.589	2.3041
42	11,444.051	174,039.58	3,156.451	14.2079	97	13.382	42.63	11.352	2.1853
43	10,830.259	162,595.53	3,087.614	14.0131	98	9.527	29.24	8.134	2.0696
44	10,245.934	151,765.27	3,019.017	13.8122	99	6.667	19.72	5.729	1.9571
45	9,689.251	141,519.34	2,950.235	13.6058	100	4.582	13.05	3.961	1.8477
46	9,158.537	131,830.08	2,880.914	13.3942	101	3.088	8.47	2.685	1.7414
47	8,652.155	122,671.55	2,810.653	13.1781	102	2.039	5.38	1.783	1.6382
48	8,169.003	114,019.39	2,739.508	12.9576	103	1.316	3.34	1.157	1.5381
49	7,707.942	105,850.39	2,667.447	12.7326	104	0.829	2.02	0.733	1.4409
50	7,268.169	98,142.45	2,594.719	12.5030	105	0.509	1.19	0.452	1.3467
51	6,848.649	90,874.28	2,521.302	12.2689	106	0.304	0.69	0.271	1.2554
52	6,448.251	84,025.63	2,447.030	12.0308	107	0.176	0.38	0.158	1.1670
53	6,065.937	77,577.38	2,371.776	11.7890	108	0.099	0.21	0.089	1.0815
54	5,700.461	71,511.44	2,295.155	11.5449	109	0.053	0.11	0.048	0.9987

**Table 8.F. -- Actuarial Functions at 6.0 Percent Interest for 1989-91 United States
Males Other than White**

x	D_x	N_x	M_x	a_x	x	D_x	N_x	M_x	a_x
0	100,000.000	1,672,630.64	5,322.794	15.7263	55	3,176.916	35,952.97	1,141.842	10.3169
1	92,724.528	1,572,630.64	3,707.699	15.9602	56	2,950.170	32,776.06	1,094.922	10.1099
2	87,370.061	1,479,906.12	3,601.790	15.9384	57	2,735.918	29,825.89	1,047.660	9.9016
3	82,361.614	1,392,536.05	3,538.818	15.9076	58	2,533.608	27,089.97	1,000.213	9.6923
4	77,649.734	1,310,174.44	3,488.916	15.8729	59	2,342.767	24,556.36	952.785	9.4818
5	73,219.345	1,232,524.71	3,453.795	15.8333	60	2,162.989	22,213.59	905.615	9.2699
6	69,045.245	1,159,305.36	3,424.187	15.7905	61	1,993.968	20,050.60	859.029	9.0556
7	65,112.417	1,090,260.12	3,399.580	15.7443	62	1,835.183	18,056.64	813.109	8.8391
8	61,405.476	1,025,147.70	3,378.248	15.6947	63	1,686.076	16,221.45	767.880	8.6208
9	57,912.529	963,742.22	3,361.083	15.6413	64	1,545.951	14,535.38	723.194	8.4022
10	54,621.619	905,829.69	3,348.240	15.5837	65	1,414.317	12,989.43	679.067	8.1842
11	51,519.820	851,208.08	3,338.231	15.5220	66	1,290.901	11,575.11	635.706	7.9667
12	48,593.664	799,688.26	3,328.291	15.4566	67	1,175.514	10,284.21	593.389	7.7487
13	45,828.546	751,094.59	3,313.757	15.3892	68	1,067.874	9,108.69	552.287	7.5297
14	43,210.593	705,266.05	3,289.873	15.3216	69	967.631	8,040.82	512.490	7.3098
15	40,729.660	662,055.45	3,254.823	15.2549	70	874.349	7,073.19	473.980	7.0897
16	38,377.757	621,325.79	3,208.373	15.1897	71	787.554	6,198.84	436.676	6.8710
17	36,150.098	582,948.04	3,153.039	15.1258	72	706.819	5,411.29	400.519	6.6558
18	34,042.556	546,797.94	3,091.729	15.0622	73	631.932	4,704.47	365.642	6.4446
19	32,050.838	512,755.38	3,026.949	14.9982	74	562.857	4,072.54	332.336	6.2355
20	30,171.161	480,704.54	2,961.470	14.9326	75	499.551	3,509.68	300.890	6.0257
21	28,396.586	450,533.38	2,894.696	14.8658	76	441.824	3,010.13	271.439	5.8130
22	26,721.798	422,136.80	2,827.263	14.7975	77	389.290	2,568.30	243.914	5.5974
23	25,141.962	395,415.00	2,759.981	14.7273	78	341.596	2,179.01	218.255	5.3789
24	23,653.136	370,273.04	2,694.284	14.6543	79	298.264	1,837.42	194.259	5.1604
25	22,251.369	346,619.90	2,631.375	14.5775	80	258.904	1,539.15	171.782	4.9449
26	20,931.410	324,368.53	2,570.927	14.4967	81	223.142	1,280.25	150.675	4.7374
27	19,688.965	303,437.12	2,513.279	14.4115	82	190.784	1,057.11	130.948	4.5408
28	18,518.545	283,748.16	2,457.329	14.3224	83	161.796	866.32	112.758	4.3544
29	17,415.328	265,229.61	2,402.331	14.2297	84	136.233	704.53	96.354	4.1715
30	16,374.884	247,814.29	2,347.660	14.1338	85	114.028	568.29	81.861	3.9838
31	15,393.635	231,439.40	2,293.292	14.0347	86	94.853	454.27	69.140	3.7891
32	14,468.682	216,045.77	2,239.676	13.9320	87	78.295	359.41	57.951	3.5905
33	13,596.634	201,577.08	2,186.611	13.8255	88	64.025	281.12	48.112	3.3908
34	12,774.194	187,980.45	2,133.791	13.7156	89	51.740	217.09	39.452	3.1958
35	11,998.694	175,206.26	2,081.358	13.6021	90	41.216	165.35	31.857	3.0118
36	11,267.357	163,207.56	2,029.193	13.4850	91	32.286	124.14	25.259	2.8449
37	10,577.476	151,940.21	1,977.087	13.3645	92	24.821	91.85	19.622	2.7005
38	9,927.299	141,362.73	1,925.635	13.2398	93	18.732	67.03	14.938	2.5783
39	9,315.085	131,435.43	1,875.344	13.1100	94	13.926	48.30	11.192	2.4682
40	8,738.719	122,120.35	1,826.247	12.9746	95	10.239	34.37	8.293	2.3570
41	8,196.289	113,381.63	1,778.461	12.8333	96	7.447	24.13	6.081	2.2406
42	7,685.710	105,185.34	1,731.823	12.6858	97	5.336	16.69	4.391	2.1271
43	7,204.875	97,499.63	1,686.029	12.5325	98	3.763	11.35	3.120	2.0163
44	6,751.848	90,294.75	1,640.824	12.3733	99	2.609	7.59	2.179	1.9084
45	6,324.770	83,542.90	1,595.927	12.2088	100	1.776	4.98	1.494	1.8033
46	5,921.941	77,218.13	1,551.103	12.0393	101	1.186	3.20	1.004	1.7010
47	5,541.734	71,296.19	1,506.101	11.8653	102	0.775	2.02	0.661	1.6015
48	5,182.912	65,754.46	1,460.962	11.6868	103	0.496	1.24	0.425	1.5048
49	4,844.252	60,571.55	1,415.673	11.5038	104	0.309	0.75	0.267	1.4108
50	4,524.772	55,727.30	1,370.397	11.3160	105	0.188	0.44	0.163	1.3196
51	4,223.378	51,202.52	1,325.122	11.1236	106	0.111	0.25	0.097	1.2310
52	3,938.950	46,979.14	1,279.753	10.9268	107	0.064	0.14	0.056	1.1452
53	3,670.455	43,040.19	1,234.217	10.7261	108	0.035	0.07	0.031	1.0620
54	3,416.768	39,369.74	1,188.292	10.5225	109	0.019	0.04	0.017	0.9814

**Table 8.G. -- Actuarial Functions at 7.0 Percent Interest for 1989-91 United States
Males Other than White**

x	D_x	N_x	M_x	a_x	x	D_x	N_x	M_x	a_x
0	100,000.000	1,464,889.20	4,166.127	13.6489	55	1,895.486	19,852.64	596.715	9.4736
1	91,857.944	1,364,889.20	2,566.127	13.8587	56	1,743.749	17,957.15	568.982	9.2980
2	85,744.607	1,273,031.26	2,462.188	13.8468	57	1,601.998	16,213.40	541.308	9.1207
3	80,073.924	1,187,286.65	2,400.965	13.8274	58	1,469.672	14,611.41	513.786	8.9420
4	74,787.381	1,107,212.73	2,352.903	13.8048	59	1,346.270	13,141.73	486.531	8.7616
5	69,861.238	1,032,425.35	2,319.393	13.7782	60	1,231.344	11,795.46	459.678	8.5793
6	65,262.890	962,564.11	2,291.406	13.7490	61	1,124.516	10,564.12	433.405	8.3944
7	60,970.313	897,301.22	2,268.365	13.7170	62	1,025.295	9,439.60	407.751	8.2067
8	56,961.813	836,330.90	2,248.576	13.6823	63	933.187	8,414.31	382.718	8.0167
9	53,219.565	779,369.09	2,232.802	13.6444	64	847.636	7,481.12	358.217	7.8259
10	49,726.219	726,149.53	2,221.110	13.6030	65	768.215	6,633.49	334.248	7.6349
11	46,464.075	676,423.31	2,212.083	13.5580	66	694.626	5,865.27	310.916	7.4438
12	43,415.489	629,959.23	2,203.203	13.5100	67	626.625	5,170.65	288.358	7.2516
13	40,562.360	586,543.74	2,190.339	13.4603	68	563.926	4,544.02	266.653	7.0578
14	37,887.805	545,981.38	2,169.397	13.4105	69	506.213	3,980.09	245.833	6.8625
15	35,378.718	508,093.58	2,138.952	13.3616	70	453.139	3,473.88	225.875	6.6663
16	33,024.252	472,714.86	2,098.981	13.3142	71	404.342	3,020.74	206.723	6.4708
17	30,816.617	439,690.61	2,051.811	13.2680	72	359.499	2,616.40	188.333	6.2779
18	28,748.801	408,873.99	2,000.035	13.2223	73	318.407	2,256.90	170.760	6.0881
19	26,813.843	380,125.19	1,945.840	13.1765	74	280.952	1,938.49	154.135	5.8997
20	25,005.398	353,311.35	1,891.572	13.1294	75	247.023	1,657.54	138.585	5.7101
21	23,314.707	328,305.95	1,836.748	13.0815	76	216.435	1,410.52	124.158	5.5170
22	21,734.598	304,991.24	1,781.900	13.0325	77	188.918	1,194.08	110.801	5.3206
23	20,258.495	283,256.64	1,727.686	12.9821	78	164.224	1,005.17	98.465	5.1207
24	18,880.732	262,998.15	1,675.245	12.9294	79	142.051	840.94	87.037	4.9200
25	17,595.796	244,117.42	1,625.498	12.8736	80	122.153	698.89	76.432	4.7214
26	16,397.316	226,521.62	1,578.144	12.8146	81	104.297	576.74	66.566	4.5298
27	15,279.856	210,124.30	1,533.406	12.7517	82	88.339	472.44	57.432	4.3480
28	14,237.224	194,844.45	1,490.391	12.6856	83	74.216	384.10	49.088	4.1754
29	13,263.929	180,607.22	1,448.503	12.6164	84	61.907	309.88	41.634	4.0057
30	12,354.946	167,343.30	1,407.254	12.5446	85	51.332	247.98	35.109	3.8308
31	11,506.041	154,988.35	1,366.616	12.4702	86	42.301	196.65	29.437	3.6487
32	10,713.609	143,482.31	1,326.915	12.3925	87	34.590	154.34	24.493	3.4621
33	9,973.792	132,768.70	1,287.989	12.3118	88	28.021	119.75	20.187	3.2737
34	9,282.917	122,794.91	1,249.605	12.2281	89	22.433	91.73	16.432	3.0891
35	8,637.877	113,511.99	1,211.859	12.1412	90	17.703	69.30	13.170	2.9145
36	8,035.580	104,874.11	1,174.657	12.0512	91	13.738	51.60	10.362	2.7558
37	7,473.074	96,838.53	1,137.843	11.9583	92	10.463	37.86	7.986	2.6183
38	6,948.170	89,365.46	1,101.831	11.8617	93	7.822	27.40	6.030	2.5022
39	6,458.747	82,417.29	1,066.961	11.7606	94	5.761	19.57	4.481	2.3975
40	6,002.488	75,958.54	1,033.237	11.6545	95	4.196	13.81	3.293	2.2916
41	5,577.285	69,956.06	1,000.721	11.5430	96	3.023	9.62	2.394	2.1804
42	5,180.977	64,378.77	969.282	11.4260	97	2.146	6.59	1.715	2.0717
43	4,811.453	59,197.79	938.700	11.3035	98	1.499	4.45	1.208	1.9656
44	4,466.779	54,386.34	908.795	11.1757	99	1.030	2.95	0.837	1.8619
45	4,145.135	49,919.56	879.369	11.0429	100	0.694	1.92	0.569	1.7608
46	3,844.856	45,774.43	850.267	10.9054	101	0.459	1.22	0.379	1.6623
47	3,564.378	41,929.57	821.322	10.7635	102	0.298	0.76	0.248	1.5663
48	3,302.433	38,365.19	792.561	10.6172	103	0.188	0.47	0.158	1.4728
49	3,057.799	35,062.76	763.974	10.4667	104	0.117	0.28	0.098	1.3819
50	2,829.444	32,004.96	735.662	10.3114	105	0.070	0.16	0.060	1.2935
51	2,616.294	29,175.51	707.615	10.1515	106	0.041	0.09	0.035	1.2076
52	2,417.292	26,559.22	679.772	9.9872	107	0.023	0.05	0.020	1.1241
53	2,231.467	24,141.93	652.089	9.8189	108	0.013	0.03	0.011	1.0432
54	2,057.824	21,910.46	624.429	9.6474	109	0.007	0.01	0.006	0.9646

**Table 8.H. -- Actuarial Functions at 8.0 Percent Interest for 1989-91 United States
Males Other than White**

x	D_x	N_x	M_x	a_x	x	D_x	N_x	M_x	a_x
0	100,000.000	1,303,469.42	3,446.710	12.0347	55	1,136.375	11,073.21	316.138	8.7443
1	91,007.407	1,203,469.42	1,861.525	12.2239	56	1,035.727	9,936.83	299.665	8.5941
2	84,164.095	1,112,462.01	1,759.501	12.2178	57	942.721	8,901.11	283.380	8.4419
3	77,870.180	1,028,297.91	1,699.964	12.2053	58	856.844	7,958.38	267.334	8.2880
4	72,055.711	950,427.73	1,653.657	12.1902	59	777.631	7,101.54	251.591	8.1323
5	66,686.264	878,372.02	1,621.670	12.1717	60	704.662	6,323.91	236.224	7.9744
6	61,720.074	811,685.76	1,595.203	12.1511	61	637.569	5,619.25	221.328	7.8136
7	57,126.627	749,965.69	1,573.613	12.1281	62	575.931	4,981.68	206.917	7.6498
8	52,876.656	692,839.06	1,555.244	12.1029	63	519.338	4,405.75	192.986	7.4834
9	48,945.359	639,962.40	1,540.737	12.0750	64	467.359	3,886.41	179.477	7.3157
10	45,309.124	591,017.04	1,530.084	12.0441	65	419.647	3,419.05	166.384	7.1474
11	41,944.744	545,707.92	1,521.935	12.0102	66	375.935	2,999.40	153.756	6.9785
12	38,829.783	503,763.18	1,513.993	11.9736	67	335.992	2,623.47	141.661	6.8081
13	35,942.104	464,933.39	1,502.594	11.9356	68	299.574	2,287.48	130.131	6.6358
14	33,261.341	428,991.29	1,484.209	11.8976	69	266.425	1,987.90	119.173	6.4614
15	30,771.058	395,729.95	1,457.729	11.8605	70	236.283	1,721.48	108.766	6.2857
16	28,457.277	364,958.89	1,423.286	11.8248	71	208.886	1,485.20	98.872	6.1101
17	26,309.061	336,501.61	1,383.016	11.7903	72	184.001	1,276.31	89.459	5.9364
18	24,316.448	310,192.55	1,339.222	11.7565	73	161.460	1,092.31	80.548	5.7652
19	22,469.814	285,876.10	1,293.806	11.7227	74	141.148	930.85	72.196	5.5948
20	20,760.328	263,406.29	1,248.751	11.6880	75	122.953	789.70	64.456	5.4228
21	19,177.431	242,645.96	1,203.656	11.6527	76	106.731	666.75	57.342	5.2470
22	17,712.183	223,468.53	1,158.959	11.6167	77	92.299	560.02	50.816	5.0674
23	16,356.399	205,756.35	1,115.188	11.5796	78	79.491	467.72	44.845	4.8839
24	15,102.866	189,399.95	1,073.240	11.5407	79	68.122	388.23	39.364	4.6990
25	13,944.710	174,297.08	1,033.815	11.4992	80	58.037	320.11	34.326	4.5155
26	12,874.588	160,352.37	996.635	11.4550	81	49.094	262.07	29.682	4.3380
27	11,886.113	147,477.78	961.833	11.4076	82	41.198	212.97	25.422	4.1695
28	10,972.509	135,591.67	928.681	11.3574	83	34.291	171.78	21.567	4.0093
29	10,127.747	124,619.16	896.698	11.3047	84	28.339	137.48	18.155	3.8515
30	9,346.339	114,491.41	865.493	11.2499	85	23.280	109.15	15.196	3.6883
31	8,623.560	105,145.08	835.036	11.1928	86	19.007	85.87	12.647	3.5175
32	7,955.299	96,521.52	805.557	11.1330	87	15.398	66.86	10.446	3.3419
33	7,337.381	88,566.22	776.920	11.0705	88	12.359	51.46	8.547	3.1638
34	6,765.895	81,228.84	748.944	11.0056	89	9.802	39.10	6.906	2.9889
35	6,237.460	74,462.94	721.687	10.9380	90	7.664	29.30	5.494	2.8229
36	5,748.811	68,225.48	695.071	10.8678	91	5.892	21.63	4.290	2.6717
37	5,296.879	62,476.67	668.978	10.7950	92	4.446	15.74	3.280	2.5407
38	4,879.230	57,179.79	643.690	10.7190	93	3.293	11.30	2.456	2.4301
39	4,493.545	52,300.56	619.430	10.6390	94	2.403	8.00	1.810	2.3305
40	4,137.444	47,807.02	596.184	10.5547	95	1.734	5.60	1.319	2.2295
41	3,808.761	43,669.57	573.978	10.4656	96	1.238	3.87	0.951	2.1232
42	3,505.360	39,860.81	552.707	10.3714	97	0.871	2.63	0.676	2.0191
43	3,225.204	36,355.45	532.208	10.2723	98	0.603	1.76	0.472	1.9172
44	2,966.439	33,130.25	512.347	10.1684	99	0.410	1.16	0.324	1.8176
45	2,727.343	30,163.81	492.986	10.0598	100	0.274	0.75	0.219	1.7203
46	2,506.346	27,436.46	474.016	9.9468	101	0.179	0.47	0.145	1.6252
47	2,301.998	24,930.12	455.322	9.8298	102	0.115	0.29	0.094	1.5326
48	2,113.076	22,628.12	436.919	9.7086	103	0.072	0.18	0.059	1.4422
49	1,938.430	20,515.04	418.797	9.5833	104	0.044	0.10	0.037	1.3541
50	1,777.060	18,576.62	401.015	9.4536	105	0.026	0.06	0.022	1.2683
51	1,627.975	16,799.55	383.563	9.3193	106	0.015	0.03	0.013	1.1849
52	1,490.219	15,171.58	366.399	9.1808	107	0.009	0.02	0.007	1.1038
53	1,362.924	13,681.36	349.490	9.0382	108	0.005	0.01	0.004	1.0250
54	1,245.229	12,318.44	332.753	8.8925	109	0.002	0.00	0.002	0.9484

**Table 8.I. -- Actuarial Functions at 9.0 Percent Interest for 1989-91 United States
Males Other than White**

x	D_x	N_x	M_x	a_x	x	D_x	N_x	M_x	a_x
0	100,000.000	1,175,030.96	2,979.095	10.7503	55	684.496	6,235.19	169.664	8.1092
1	90,172.477	1,075,030.96	1,408.453	10.9219	56	618.147	5,550.69	159.833	7.9796
2	82,626.883	984,858.48	1,308.293	10.9193	57	557.477	4,932.54	150.203	7.8480
3	75,746.566	902,231.60	1,250.380	10.9112	58	502.045	4,375.07	140.801	7.7145
4	69,447.632	826,485.03	1,205.749	10.9008	59	451.452	3,873.02	131.662	7.5790
5	63,682.877	757,037.40	1,175.202	10.8876	60	405.337	3,421.57	122.822	7.4413
6	58,399.615	693,354.52	1,150.159	10.8726	61	363.379	3,016.23	114.332	7.3005
7	53,557.388	634,954.91	1,129.918	10.8556	62	325.237	2,652.85	106.194	7.1567
8	49,118.155	581,397.52	1,112.855	10.8367	63	290.588	2,327.62	98.399	7.0100
9	45,049.175	532,279.36	1,099.503	10.8155	64	259.105	2,037.03	90.910	6.8618
10	41,319.803	487,230.19	1,089.787	10.7917	65	230.518	1,777.92	83.717	6.7127
11	37,900.713	445,910.39	1,082.424	10.7652	66	204.612	1,547.40	76.845	6.5626
12	34,764.185	408,009.67	1,075.313	10.7365	67	181.195	1,342.79	70.322	6.4108
13	31,883.637	373,245.49	1,065.202	10.7065	68	160.073	1,161.60	64.161	6.2567
14	29,234.883	341,361.85	1,049.043	10.6765	69	141.054	1,001.53	58.359	6.1003
15	26,797.933	312,126.97	1,025.981	10.6474	70	123.948	860.47	52.900	5.9422
16	24,555.539	285,329.03	996.261	10.6197	71	108.571	736.52	47.758	5.7838
17	22,493.587	260,773.50	961.831	10.5932	72	94.759	627.95	42.910	5.6268
18	20,599.220	238,279.91	924.732	10.5674	73	82.388	533.19	38.363	5.4717
19	18,860.247	217,680.69	886.612	10.5418	74	71.363	450.80	34.140	5.3171
20	17,265.508	198,820.44	849.141	10.5155	75	61.593	379.44	30.263	5.1604
21	15,802.756	181,554.93	811.982	10.4888	76	52.976	317.85	26.732	4.9998
22	14,461.447	165,752.18	775.488	10.4617	77	45.393	264.87	23.522	4.8351
23	13,231.973	151,290.73	740.078	10.4337	78	38.735	219.48	20.613	4.6662
24	12,105.801	138,058.76	706.454	10.4043	79	32.891	180.74	17.967	4.4953
25	11,074.928	125,952.96	675.143	10.3728	80	27.764	147.85	15.556	4.3253
26	10,131.227	114,878.03	645.885	10.3390	81	23.271	120.09	13.355	4.1605
27	9,267.568	104,746.80	618.750	10.3025	82	19.349	96.82	11.354	4.0039
28	8,476.746	95,479.23	593.139	10.2637	83	15.957	77.47	9.561	3.8549
29	7,752.349	87,002.49	568.657	10.2227	84	13.066	61.51	7.987	3.7078
30	7,088.580	79,250.14	544.991	10.1800	85	10.636	48.45	6.635	3.5552
31	6,480.396	72,161.56	522.103	10.1354	86	8.604	37.81	5.482	3.3948
32	5,923.368	65,681.16	500.153	10.0885	87	6.906	29.21	4.495	3.2292
33	5,413.156	59,757.79	479.026	10.0394	88	5.492	22.30	3.651	3.0607
34	4,945.748	54,344.64	458.576	9.9882	89	4.316	16.81	2.928	2.8946
35	4,517.642	49,398.89	438.835	9.9347	90	3.344	12.49	2.312	2.7365
36	4,125.526	44,881.25	419.735	9.8789	91	2.547	9.15	1.792	2.5923
37	3,766.332	40,755.72	401.181	9.8211	92	1.904	6.60	1.359	2.4673
38	3,437.534	36,989.39	383.365	9.7604	93	1.398	4.70	1.010	2.3619
39	3,136.766	33,551.86	366.430	9.6963	94	1.010	3.30	0.738	2.2669
40	2,861.689	30,415.09	350.352	9.6284	95	0.722	2.29	0.533	2.1706
41	2,610.185	27,553.40	335.134	9.5561	96	0.511	1.57	0.382	2.0687
42	2,380.222	24,943.21	320.690	9.4794	97	0.356	1.06	0.269	1.9689
43	2,169.898	22,562.99	306.898	9.3982	98	0.244	0.70	0.186	1.8710
44	1,977.492	20,393.10	293.659	9.3126	99	0.165	0.46	0.127	1.7752
45	1,801.425	18,415.60	280.871	9.2228	100	0.109	0.29	0.085	1.6814
46	1,640.268	16,614.18	268.456	9.1289	101	0.071	0.18	0.056	1.5897
47	1,492.712	14,973.91	256.334	9.0313	102	0.045	0.11	0.036	1.5002
48	1,357.636	13,481.20	244.510	8.9299	103	0.028	0.07	0.022	1.4127
49	1,234.001	12,123.56	232.974	8.8246	104	0.017	0.04	0.014	1.3274
50	1,120.895	10,889.56	221.757	8.7151	105	0.010	0.02	0.008	1.2442
51	1,017.437	9,768.66	210.851	8.6012	106	0.006	0.01	0.005	1.1631
52	922.800	8,751.23	200.222	8.4833	107	0.003	0.01	0.003	1.0842
53	836.231	7,828.43	189.847	8.3616	108	0.002	0.00	0.001	1.0074
54	757.009	6,992.20	179.672	8.2366	109	0.001	0.00	0.001	0.9327

**Table 8.J. -- Actuarial Functions at 10.0 Percent Interest for 1989-91 United States
Males Other than White**

x	D_x	N_x	M_x	a_x	x	D_x	N_x	M_x	a_x
0	100,000.000	1,070,719.49	2,661.864	9.7072	55	414.220	3,542.56	92.168	7.5524
1	89,352.727	970,719.49	1,105.501	9.8639	56	370.668	3,128.34	86.273	7.4397
2	81,131.405	881,366.77	1,007.154	9.8634	57	331.249	2,757.68	80.551	7.3251
3	73,699.474	800,235.36	950.805	9.8581	58	295.600	2,426.43	75.015	7.2085
4	66,956.492	726,535.89	907.775	9.8509	59	263.395	2,130.83	69.683	7.0899
5	60,840.355	659,579.39	878.592	9.8411	60	234.339	1,867.43	64.573	6.9689
6	55,285.706	598,739.04	854.884	9.8299	61	208.172	1,633.09	59.709	6.8449
7	50,240.746	543,453.33	835.897	9.8170	62	184.628	1,424.92	55.089	6.7178
8	45,657.544	493,212.59	820.036	9.8024	63	163.458	1,240.29	50.704	6.5878
9	41,494.559	447,555.04	807.737	9.7859	64	144.424	1,076.84	46.530	6.4561
10	37,713.459	406,060.48	798.869	9.7670	65	127.322	932.41	42.557	6.3233
11	34,278.303	368,347.03	792.210	9.7458	66	111.986	805.09	38.796	6.1892
12	31,155.721	334,068.72	785.837	9.7225	67	98.268	693.10	35.258	6.0532
13	28,314.403	302,913.00	776.858	9.6982	68	86.023	594.84	31.947	5.9148
14	25,726.147	274,598.60	762.638	9.6739	69	75.114	508.81	28.858	5.7739
15	23,367.297	248,872.45	742.529	9.6505	70	65.404	433.70	25.977	5.6310
16	21,217.317	225,505.15	716.849	9.6284	71	56.770	368.30	23.288	5.4875
17	19,258.991	204,287.84	687.370	9.6074	72	49.097	311.53	20.777	5.3451
18	17,476.699	185,028.84	655.895	9.5872	73	42.299	262.43	18.442	5.2041
19	15,855.860	167,552.15	623.847	9.5672	74	36.306	220.13	16.294	5.0632
20	14,383.203	151,696.29	592.632	9.5468	75	31.051	183.82	14.339	4.9201
21	13,044.965	137,313.08	561.957	9.5261	76	26.464	152.77	12.575	4.7729
22	11,829.207	124,268.12	532.106	9.5052	77	22.469	126.31	10.987	4.6214
23	10,725.124	112,438.91	503.404	9.4837	78	18.999	103.84	9.559	4.4654
24	9,723.107	101,713.79	476.399	9.4610	79	15.986	84.84	8.273	4.3072
25	8,814.268	91,990.68	451.479	9.4366	80	13.372	68.85	7.112	4.1492
26	7,989.897	83,176.41	428.405	9.4102	81	11.106	55.48	6.062	3.9958
27	7,242.337	75,186.52	407.200	9.3815	82	9.150	44.38	5.116	3.8499
28	6,564.111	67,944.18	387.367	9.3509	83	7.478	35.23	4.275	3.7110
29	5,948.588	61,380.07	368.582	9.3184	84	6.067	27.75	3.545	3.5736
30	5,389.812	55,431.48	350.587	9.2845	85	4.894	21.68	2.923	3.4306
31	4,882.585	50,041.67	333.342	9.2490	86	3.923	16.79	2.397	3.2798
32	4,422.326	45,159.08	316.955	9.2116	87	3.120	12.87	1.951	3.1233
33	4,004.667	40,736.76	301.325	9.1723	88	2.459	9.75	1.573	2.9636
34	3,625.614	36,732.09	286.333	9.1313	89	1.915	7.29	1.252	2.8057
35	3,281.673	33,106.48	271.993	9.0883	90	1.470	5.37	0.981	2.6550
36	2,969.590	29,824.80	258.245	9.0434	91	1.109	3.90	0.755	2.5173
37	2,686.394	26,855.21	245.011	8.9968	92	0.822	2.79	0.568	2.3978
38	2,429.584	24,168.82	232.419	8.9477	93	0.598	1.97	0.419	2.2972
39	2,196.852	21,739.23	220.558	8.8956	94	0.428	1.37	0.303	2.2066
40	1,985.981	19,542.38	209.400	8.8402	95	0.303	0.94	0.217	2.1145
41	1,794.972	17,556.40	198.935	8.7809	96	0.213	0.64	0.154	2.0169
42	1,621.950	15,761.43	189.093	8.7176	97	0.147	0.43	0.108	1.9210
43	1,465.188	14,139.48	179.780	8.6503	98	0.100	0.28	0.074	1.8269
44	1,323.130	12,674.29	170.922	8.5790	99	0.067	0.18	0.050	1.7347
45	1,194.367	11,351.16	162.443	8.5039	100	0.044	0.12	0.033	1.6442
46	1,077.632	10,156.79	154.287	8.4251	101	0.028	0.07	0.022	1.5557
47	971.774	9,079.16	146.395	8.3429	102	0.018	0.04	0.014	1.4691
48	875.803	8,107.39	138.768	8.2571	103	0.011	0.03	0.009	1.3844
49	788.810	7,231.59	131.393	8.1677	104	0.007	0.02	0.005	1.3016
50	709.996	6,442.78	124.289	8.0744	105	0.004	0.01	0.003	1.2208
51	638.605	5,732.78	117.443	7.9770	106	0.002	0.00	0.002	1.1420
52	573.939	5,094.18	110.832	7.8758	107	0.001	0.00	0.001	1.0652
53	515.369	4,520.24	104.439	7.7709	108	0.001	0.00	0.001	0.9904
54	462.303	4,004.87	98.225	7.6629	109	0.000	0.00	0.000	0.9175

**Table 8.K. -- Actuarial Functions at 11.0 Percent Interest for 1989-91 United States
Males Other than White**

x	D_x	N_x	M_x	a_x	x	D_x	N_x	M_x	a_x
0	100,000.000	984,491.75	2,437.755	8.8449	55	251.805	2,029.88	50.646	7.0613
1	88,547.748	884,491.75	895.413	8.9889	56	223.300	1,778.08	47.094	6.9627
2	79,676.163	795,944.00	798.830	8.9897	57	197.755	1,554.78	43.678	6.8621
3	71,725.487	716,267.83	743.990	8.9862	58	174.883	1,357.02	40.403	6.7596
4	64,576.056	644,542.35	702.490	8.9811	59	154.426	1,182.14	37.277	6.6551
5	58,148.735	579,966.29	674.598	8.9738	60	136.153	1,027.71	34.308	6.5482
6	52,363.793	521,817.56	652.143	8.9652	61	119.860	891.56	31.507	6.4383
7	47,156.767	469,453.76	634.322	8.9552	62	105.346	771.70	28.871	6.3254
8	42,468.820	422,297.00	619.568	8.9437	63	92.427	666.35	26.392	6.2095
9	38,248.861	379,828.18	608.231	8.9304	64	80.928	573.93	24.053	6.0918
10	34,450.334	341,579.32	600.131	8.9151	65	70.702	493.00	21.847	5.9729
11	31,030.308	307,128.98	594.103	8.8977	66	61.626	422.30	19.777	5.8526
12	27,949.516	276,098.67	588.386	8.8785	67	53.590	360.67	17.848	5.7302
13	25,171.761	248,149.16	580.403	8.8582	68	46.490	307.08	16.058	5.6053
14	22,664.734	222,977.40	567.875	8.8381	69	40.228	260.59	14.404	5.4778
15	20,401.123	200,312.66	550.319	8.8187	70	34.713	220.36	12.875	5.3482
16	18,357.172	179,911.54	528.100	8.8006	71	29.858	185.65	11.461	5.2177
17	16,512.717	161,554.37	502.825	8.7836	72	25.590	155.79	10.151	5.0879
18	14,849.578	145,041.65	476.081	8.7674	73	21.848	130.20	8.946	4.9593
19	13,351.013	130,192.07	449.096	8.7515	74	18.584	108.35	7.846	4.8305
20	12,001.893	116,841.06	423.049	8.7352	75	15.751	89.77	6.855	4.6994
21	10,787.151	104,839.17	397.684	8.7189	76	13.303	74.02	5.968	4.5641
22	9,693.691	94,052.01	373.221	8.7024	77	11.193	60.72	5.176	4.4243
23	8,709.747	84,358.32	349.913	8.6855	78	9.379	49.52	4.472	4.2799
24	7,824.886	75,648.58	328.180	8.6677	79	7.821	40.14	3.843	4.1329
25	7,029.572	67,823.69	308.306	8.6483	80	6.483	32.32	3.280	3.9858
26	6,314.712	60,794.12	290.069	8.6274	81	5.336	25.84	2.775	3.8427
27	5,672.321	54,479.41	273.461	8.6044	82	4.357	20.50	2.325	3.7064
28	5,094.806	48,807.09	258.068	8.5798	83	3.528	16.15	1.928	3.5767
29	4,575.466	43,712.28	243.619	8.5536	84	2.837	12.62	1.586	3.4481
30	4,108.325	39,136.81	229.902	8.5262	85	2.268	9.78	1.298	3.3139
31	3,688.168	35,028.49	216.876	8.4975	86	1.801	7.51	1.057	3.1718
32	3,310.407	31,340.32	204.609	8.4672	87	1.420	5.71	0.854	3.0238
33	2,970.754	28,029.91	193.015	8.4353	88	1.109	4.29	0.683	2.8722
34	2,665.334	25,059.16	181.994	8.4019	89	0.856	3.18	0.540	2.7218
35	2,390.755	22,393.83	171.547	8.3668	90	0.651	2.33	0.420	2.5779
36	2,143.907	20,003.07	161.621	8.3302	91	0.487	1.68	0.321	2.4462
37	1,921.980	17,859.16	152.153	8.2921	92	0.357	1.19	0.239	2.3320
38	1,722.586	15,937.18	143.225	8.2519	93	0.258	0.83	0.175	2.2358
39	1,543.545	14,214.60	134.892	8.2091	94	0.183	0.58	0.126	2.1492
40	1,382.812	12,671.05	127.122	8.1632	95	0.128	0.39	0.089	2.0611
41	1,238.556	11,288.24	119.901	8.1140	96	0.089	0.26	0.063	1.9675
42	1,109.086	10,049.68	113.171	8.0612	97	0.061	0.18	0.044	1.8753
43	992.866	8,940.60	106.861	8.0048	98	0.041	0.11	0.030	1.7848
44	888.525	7,947.73	100.912	7.9449	99	0.027	0.07	0.020	1.6959
45	794.831	7,059.21	95.270	7.8814	100	0.018	0.05	0.013	1.6086
46	710.684	6,264.38	89.890	7.8146	101	0.011	0.03	0.008	1.5230
47	635.099	5,553.69	84.733	7.7446	102	0.007	0.02	0.005	1.4392
48	567.221	4,918.59	79.793	7.6714	103	0.004	0.01	0.003	1.3571
49	506.277	4,351.37	75.060	7.5948	104	0.003	0.01	0.002	1.2769
50	451.587	3,845.10	70.541	7.5146	105	0.001	0.00	0.001	1.1984
51	402.520	3,393.51	66.226	7.4307	106	0.001	0.00	0.001	1.1217
52	358.501	2,990.99	62.097	7.3430	107	0.000	0.00	0.000	1.0469
53	319.016	2,632.49	58.139	7.2519	108	0.000	0.00	0.000	0.9739
54	283.590	2,313.47	54.327	7.1578	109	0.000	0.00	0.000	0.9028

**Table 8.L. -- Actuarial Functions at 12.0 Percent Interest for 1989-91 United States
Males Other than White**

x	D_x	N_x	M_x	a_x	x	D_x	N_x	M_x	a_x
0	100,000.000	912,115.15	2,273.377	8.1212	55	153.758	1,172.52	28.131	6.6257
1	87,757.143	812,115.15	744.805	8.2541	56	135.135	1,018.76	25.982	6.5389
2	78,259.726	724,358.01	649.939	8.2558	57	118.607	883.63	23.933	6.4500
3	69,821.372	646,098.28	596.556	8.2536	58	103.952	765.02	21.986	6.3593
4	62,300.473	576,276.91	556.518	8.2500	59	90.973	661.07	20.144	6.2666
5	55,598.753	513,976.44	529.849	8.2444	60	79.492	570.09	18.411	6.1717
6	49,620.465	458,377.69	508.570	8.2377	61	69.355	490.60	16.790	6.0738
7	44,287.250	408,757.22	491.834	8.2297	62	60.412	421.25	15.279	5.9728
8	39,528.455	364,469.97	478.101	8.2204	63	52.530	360.83	13.870	5.8690
9	35,282.806	324,941.51	467.644	8.2096	64	45.585	308.30	12.552	5.7633
10	31,495.100	289,658.71	460.238	8.1969	65	39.469	262.72	11.321	5.6563
11	28,115.163	258,163.61	454.776	8.1824	66	34.095	223.25	10.175	5.5479
12	25,097.691	230,048.45	449.643	8.1661	67	29.384	189.15	9.118	5.4373
13	22,401.548	204,950.75	442.538	8.1490	68	25.263	159.77	8.145	5.3242
14	19,990.333	182,549.21	431.489	8.1319	69	21.666	134.51	7.254	5.2083
15	17,833.165	162,558.87	416.143	8.1155	70	18.528	112.84	6.438	5.0902
16	15,903.220	144,725.71	396.894	8.1004	71	15.795	94.31	5.690	4.9711
17	14,177.603	128,822.49	375.193	8.0863	72	13.416	78.52	5.004	4.8525
18	12,635.817	114,644.89	352.436	8.0730	73	11.352	65.10	4.377	4.7347
19	11,259.222	102,009.07	329.679	8.0600	74	9.570	53.75	3.811	4.6167
20	10,031.107	90,749.85	307.909	8.0468	75	8.038	44.18	3.305	4.4961
21	8,935.335	80,718.74	286.898	8.0337	76	6.729	36.14	2.856	4.3713
22	7,957.895	71,783.41	266.816	8.0204	77	5.611	29.41	2.460	4.2421
23	7,086.300	63,825.51	247.853	8.0069	78	4.660	23.80	2.110	4.1080
24	6,309.529	56,739.21	230.328	7.9926	79	3.851	19.14	1.800	3.9711
25	5,617.626	50,429.68	214.446	7.9770	80	3.163	15.29	1.525	3.8338
26	5,001.294	44,812.06	200.002	7.9601	81	2.580	12.13	1.281	3.7000
27	4,452.405	39,810.76	186.966	7.9414	82	2.088	9.55	1.065	3.5725
28	3,963.387	35,358.36	174.991	7.9212	83	1.676	7.46	0.877	3.4510
29	3,527.598	31,394.97	163.851	7.8998	84	1.336	5.78	0.716	3.3306
30	3,139.160	27,867.37	153.371	7.8773	85	1.058	4.45	0.581	3.2044
31	2,792.957	24,728.21	143.506	7.8538	86	0.833	3.39	0.470	3.0702
32	2,484.505	21,935.25	134.300	7.8288	87	0.651	2.56	0.377	2.9300
33	2,209.684	19,450.75	125.676	7.8025	88	0.504	1.91	0.299	2.7859
34	1,964.808	17,241.06	117.551	7.7749	89	0.385	1.40	0.235	2.6425
35	1,746.660	15,276.26	109.919	7.7460	90	0.290	1.02	0.181	2.5050
36	1,552.331	13,529.60	102.732	7.7157	91	0.215	0.73	0.137	2.3789
37	1,379.216	11,977.26	95.937	7.6841	92	0.157	0.51	0.102	2.2695
38	1,225.093	10,598.05	89.588	7.6508	93	0.112	0.36	0.074	2.1774
39	1,087.959	9,372.96	83.714	7.6152	94	0.079	0.24	0.053	2.0946
40	965.965	8,285.00	78.287	7.5769	95	0.055	0.16	0.037	2.0102
41	857.470	7,319.03	73.288	7.5356	96	0.038	0.11	0.026	1.9203
42	760.980	6,461.56	68.670	7.4911	97	0.026	0.07	0.018	1.8317
43	675.155	5,700.58	64.379	7.4434	98	0.017	0.05	0.012	1.7445
44	598.808	5,025.43	60.370	7.3924	99	0.011	0.03	0.008	1.6587
45	530.882	4,426.62	56.601	7.3382	100	0.007	0.02	0.005	1.5744
46	470.441	3,895.74	53.040	7.2810	101	0.005	0.01	0.003	1.4917
47	416.653	3,425.30	49.657	7.2210	102	0.003	0.01	0.002	1.4105
48	368.799	3,008.64	46.445	7.1579	103	0.002	0.00	0.001	1.3309
49	326.235	2,639.84	43.395	7.0918	104	0.001	0.00	0.001	1.2530
50	288.396	2,313.61	40.509	7.0223	105	0.001	0.00	0.000	1.1767
51	254.765	2,025.21	37.778	6.9493	106	0.000	0.00	0.000	1.1021
52	224.879	1,770.45	35.188	6.8729	107	0.000	0.00	0.000	1.0292
53	198.324	1,545.57	32.728	6.7931	108	0.000	0.00	0.000	0.9580
54	174.727	1,347.24	30.379	6.7106	109	0.000	0.00	0.000	0.8885

**Table 9.A. -- Actuarial Functions at 1.0 Percent Interest for 1989-91 United States
Females Other than White**

x	D_x	N_x	M_x	a_x	x	D_x	N_x	M_x	a_x
0	100,000.000	5,262,360.01	47,897.426	51.6236	55	51,333.375	1,149,646.52	39,950.736	21.3957
1	97,596.040	5,162,360.01	46,483.564	51.8952	56	50,397.242	1,098,313.15	39,522.854	20.7931
2	96,530.732	5,064,763.97	46,384.554	51.4679	57	49,443.989	1,047,915.91	39,068.584	20.1940
3	95,515.776	4,968,233.23	46,325.348	51.0148	58	48,471.543	998,471.92	38,585.683	19.5991
4	94,525.871	4,872,717.46	46,281.143	50.5490	59	47,474.589	950,000.37	38,068.645	19.0107
5	93,557.621	4,778,191.59	46,248.793	50.0722	60	46,451.893	902,525.79	37,515.994	18.4293
6	92,599.278	4,684,633.97	46,216.764	49.5904	61	45,403.918	856,073.89	36,927.939	17.8546
7	91,656.338	4,592,034.69	46,190.648	49.1006	62	44,333.830	810,669.97	36,307.395	17.2856
8	90,725.762	4,500,378.35	46,167.561	48.6042	63	43,240.412	766,336.14	35,652.925	16.7227
9	89,808.286	4,409,652.59	46,148.360	48.1007	64	42,123.039	723,095.73	34,963.676	16.1663
10	88,900.990	4,319,844.30	46,130.254	47.5916	65	40,980.084	680,972.69	34,237.781	15.6172
11	88,003.752	4,230,943.31	46,113.224	47.0769	66	39,813.112	639,992.61	33,476.551	15.0749
12	87,114.678	4,142,939.56	46,095.475	46.5573	67	38,623.131	600,179.50	32,680.759	14.5394
13	86,233.705	4,055,824.88	46,077.023	46.0329	68	37,413.669	561,556.37	31,853.705	14.0094
14	85,358.157	3,969,591.18	46,055.274	45.5051	69	36,187.127	524,142.70	30,997.595	13.4842
15	84,486.325	3,884,233.02	46,028.572	44.9747	70	34,942.834	487,955.57	30,111.591	12.9644
16	83,619.125	3,799,746.70	45,997.870	44.4411	71	33,680.164	453,012.74	29,194.889	12.4504
17	82,755.749	3,716,127.57	45,962.406	43.9048	72	32,395.595	419,332.57	28,243.787	11.9441
18	81,895.420	3,633,371.82	45,921.442	43.3660	73	31,088.665	386,936.98	27,257.606	11.4462
19	81,040.704	3,551,476.40	45,877.571	42.8234	74	29,760.383	355,848.31	26,237.132	10.9571
20	80,190.787	3,470,435.70	45,830.038	42.2772	75	28,415.528	326,087.93	25,186.935	10.4757
21	79,344.888	3,390,244.91	45,778.106	41.7280	76	27,060.588	297,672.40	24,113.337	10.0002
22	78,504.664	3,310,900.02	45,723.475	41.1746	77	25,699.017	270,611.81	23,019.692	9.5300
23	77,667.732	3,232,395.36	45,663.817	40.6183	78	24,330.923	244,912.80	21,906.044	9.0659
24	76,834.951	3,154,727.63	45,600.024	40.0585	79	22,951.406	220,581.87	20,767.427	8.6108
25	76,007.149	3,077,892.68	45,532.964	39.4948	80	21,554.866	197,630.47	19,598.129	8.1687
26	75,184.347	3,001,885.53	45,462.708	38.9270	81	20,136.386	176,075.60	18,393.063	7.7442
27	74,365.036	2,926,701.18	45,387.796	38.3559	82	18,699.217	155,939.21	17,155.264	7.3393
28	73,550.037	2,852,336.14	45,309.085	37.7809	83	17,254.380	137,240.00	15,895.568	6.9539
29	72,737.893	2,778,786.11	45,225.159	37.2027	84	15,824.615	119,985.62	14,636.639	6.5822
30	71,927.201	2,706,048.21	45,134.645	36.6220	85	14,430.915	104,161.00	13,399.617	6.2179
31	71,117.352	2,634,121.01	45,036.946	36.0391	86	13,080.260	89,730.09	12,191.843	5.8600
32	70,309.942	2,563,003.66	44,933.669	35.4529	87	11,771.766	76,649.83	11,012.857	5.5113
33	69,504.349	2,492,693.72	44,824.213	34.8639	88	10,509.148	64,878.06	9,866.791	5.1735
34	68,700.685	2,423,189.37	44,708.711	34.2717	89	9,295.126	54,368.92	8,756.820	4.8492
35	67,899.769	2,354,488.68	44,588.000	33.6759	90	8,132.702	45,073.79	7,686.427	4.5423
36	67,100.989	2,286,588.92	44,461.494	33.0768	91	7,025.137	36,941.09	6,659.384	4.2584
37	66,303.066	2,219,487.93	44,327.938	32.4749	92	5,983.545	29,915.95	5,687.348	3.9997
38	65,506.828	2,153,184.86	44,188.166	31.8696	93	5,023.726	23,932.40	4,786.771	3.7639
39	64,712.396	2,087,678.03	44,042.317	31.2609	94	4,165.134	18,908.68	3,977.920	3.5398
40	63,917.871	2,022,965.64	43,888.508	30.6495	95	3,412.423	14,743.54	3,266.448	3.3205
41	63,124.090	1,959,047.77	43,727.577	30.0349	96	2,759.063	11,331.12	2,646.873	3.1069
42	62,329.885	1,895,923.68	43,558.364	29.4176	97	2,194.083	8,572.06	2,109.211	2.9069
43	61,534.137	1,833,593.79	43,379.743	28.7980	98	1,714.231	6,377.97	1,651.082	2.7206
44	60,735.773	1,772,059.65	43,190.628	28.1765	99	1,314.408	4,663.74	1,268.232	2.5482
45	59,933.765	1,711,323.88	42,989.964	27.5536	100	990.217	3,349.34	957.056	2.3824
46	59,124.602	1,651,390.12	42,774.204	26.9307	101	731.918	2,359.12	708.560	2.2232
47	58,307.418	1,592,265.51	42,542.413	26.3081	102	529.981	1,627.20	513.870	2.0703
48	57,480.152	1,533,958.10	42,292.448	25.6867	103	375.300	1,097.22	364.436	1.9236
49	56,641.443	1,476,477.94	42,022.850	25.0671	104	259.414	721.92	252.266	1.7829
50	55,791.818	1,419,836.50	41,734.031	24.4488	105	174.660	462.51	170.081	1.6480
51	54,929.385	1,364,044.68	41,423.992	23.8327	106	114.276	287.85	111.426	1.5189
52	54,052.333	1,309,115.30	41,090.795	23.2194	107	72.466	173.57	70.747	1.3952
53	53,161.297	1,255,062.96	40,734.931	22.6086	108	44.405	101.10	43.404	1.2769
54	52,255.144	1,201,901.67	40,355.127	22.0006	109	26.205	56.70	25.643	1.1637

**Table 9.B. -- Actuarial Functions at 2.0 Percent Interest for 1989-91 United States
Females Other than White**

x	D_x	N_x	M_x	a_x	x	D_x	N_x	M_x	a_x
0	100,000.000	3,865,654.08	24,202.861	37.6565	55	29,858.359	585,889.56	18,370.328	18.6223
1	96,639.216	3,765,654.08	22,802.861	37.9661	56	29,026.461	556,031.20	18,123.888	18.1560
2	94,647.251	3,669,014.86	22,705.783	37.7651	57	28,198.241	527,004.74	17,864.815	17.6893
3	92,733.941	3,574,367.61	22,648.302	37.5443	58	27,372.632	498,806.50	17,592.113	17.2228
4	90,873.131	3,481,633.67	22,605.805	37.3131	59	26,546.798	471,433.87	17,302.996	16.7586
5	89,060.511	3,390,760.54	22,575.010	37.0725	60	25,720.271	444,887.07	16,996.995	16.2971
6	87,284.035	3,301,700.03	22,544.819	36.8271	61	24,893.540	419,166.80	16,674.583	15.8384
7	85,548.208	3,214,415.99	22,520.443	36.5743	62	24,068.542	394,273.26	16,337.694	15.3813
8	83,849.455	3,128,867.78	22,499.106	36.3153	63	23,244.786	370,204.72	15,985.870	14.9264
9	82,187.776	3,045,018.33	22,481.534	36.0495	64	22,422.118	346,959.93	15,618.982	14.4740
10	80,559.844	2,962,830.55	22,465.127	35.7780	65	21,599.862	324,537.81	15,236.376	14.0250
11	78,964.958	2,882,270.71	22,449.846	35.5006	66	20,779.039	302,937.95	14,839.079	13.5790
12	77,400.856	2,803,305.75	22,434.076	35.2180	67	19,960.343	282,158.91	14,427.816	13.1360
13	75,866.958	2,725,904.90	22,417.842	34.9301	68	19,145.735	262,198.57	14,004.586	12.6949
14	74,360.424	2,650,037.94	22,398.896	34.6377	69	18,336.525	243,052.83	13,570.783	12.2551
15	72,879.343	2,575,677.51	22,375.862	34.3417	70	17,532.436	224,716.31	13,126.234	11.8172
16	71,424.112	2,502,798.17	22,349.638	34.0414	71	16,733.221	207,183.87	12,670.792	11.3816
17	69,993.644	2,431,374.06	22,319.643	33.7371	72	15,937.218	190,450.65	12,202.891	10.9501
18	68,586.912	2,361,380.41	22,285.335	33.4290	73	15,144.321	174,513.43	11,722.489	10.5234
19	67,205.690	2,292,793.50	22,248.955	33.1161	74	14,355.141	159,369.11	11,230.256	10.1019
20	65,848.899	2,225,587.81	22,209.922	32.7984	75	13,572.064	145,013.97	10,728.652	9.6847
21	64,515.518	2,159,738.91	22,167.697	32.4763	76	12,798.191	131,441.91	10,220.899	9.2704
22	63,206.523	2,095,223.40	22,123.712	32.1488	77	12,035.083	118,643.72	9,708.735	8.8582
23	61,919.618	2,032,016.87	22,076.150	31.8170	78	11,282.682	106,608.63	9,192.316	8.4489
24	60,655.148	1,970,097.25	22,025.790	31.4803	79	10,538.632	95,325.95	8,669.496	8.0454
25	59,413.412	1,909,442.11	21,973.371	31.1382	80	9,800.348	84,787.32	8,137.851	7.6515
26	58,194.063	1,850,028.69	21,918.991	30.7907	81	9,065.649	74,986.97	7,595.316	7.2716
27	56,995.589	1,791,834.63	21,861.577	30.4381	82	8,336.082	65,921.32	7,043.507	6.9080
28	55,818.293	1,734,839.04	21,801.842	30.0801	83	7,616.564	57,585.24	6,487.442	6.5605
29	54,660.749	1,679,020.75	21,738.773	29.7171	84	6,916.942	49,968.68	5,937.164	6.2241
30	53,521.616	1,624,360.00	21,671.420	29.3496	85	6,245.914	43,051.74	5,401.763	5.8928
31	52,400.187	1,570,838.38	21,599.435	28.9777	86	5,605.828	36,805.82	4,884.145	5.5656
32	51,297.383	1,518,438.20	21,524.085	28.6007	87	4,995.583	31,199.99	4,383.819	5.2455
33	50,212.477	1,467,140.81	21,445.010	28.2187	88	4,416.043	26,204.41	3,902.231	4.9339
34	49,145.294	1,416,928.34	21,362.385	27.8314	89	3,867.606	21,788.37	3,440.384	4.6336
35	48,096.156	1,367,783.04	21,276.881	27.4385	90	3,350.758	17,920.76	2,999.370	4.3483
36	47,064.364	1,319,686.89	21,188.150	27.0400	91	2,866.053	14,570.00	2,580.366	4.0836
37	46,048.775	1,272,622.52	21,095.392	26.6364	92	2,417.181	11,703.95	2,187.692	3.8420
38	45,049.736	1,226,573.75	20,999.270	26.2271	93	2,009.545	9,286.77	1,827.451	3.6213
39	44,067.089	1,181,524.01	20,899.951	25.8119	94	1,649.765	7,277.22	1,507.074	3.4111
40	43,099.316	1,137,456.92	20,796.239	25.3915	95	1,338.373	5,627.46	1,228.030	3.2047
41	42,146.781	1,094,357.61	20,688.789	24.9654	96	1,071.512	4,289.09	987.412	3.0028
42	41,208.501	1,052,210.82	20,576.916	24.5338	97	843.742	3,217.57	780.652	2.8135
43	40,283.556	1,011,002.32	20,459.981	24.0971	98	652.750	2,373.83	606.205	2.6367
44	39,371.091	970,718.77	20,337.390	23.6556	99	495.597	1,721.08	461.851	2.4727
45	38,470.307	931,347.68	20,208.588	23.2095	100	369.701	1,225.49	345.672	2.3148
46	37,578.853	892,877.37	20,071.454	22.7601	101	270.585	855.78	253.805	2.1627
47	36,696.133	855,298.52	19,925.574	22.3076	102	194.009	585.20	182.535	2.0163
48	35,820.827	818,602.38	19,769.800	21.8527	103	136.039	391.19	128.368	1.8756
49	34,952.095	782,781.56	19,603.437	21.3958	104	93.110	255.15	88.107	1.7403
50	34,090.284	747,829.46	19,426.961	20.9367	105	62.075	162.04	58.898	1.6104
51	33,234.262	713,739.18	19,239.376	20.4760	106	40.216	99.97	38.256	1.4857
52	32,382.990	680,504.92	19,039.756	20.0143	107	25.252	59.75	24.081	1.3661
53	31,536.920	648,121.93	18,828.647	19.5512	108	15.322	34.50	14.646	1.2514
54	30,695.447	616,585.01	18,605.544	19.0872	109	8.953	19.17	8.577	1.1415

**Table 9.C. -- Actuarial Functions at 3.0 Percent Interest for 1989-91 United States
Females Other than White**

x	D_x	N_x	M_x	a_x	x	D_x	N_x	M_x	a_x
0	100,000.000	2,983,929.50	13,089.432	28.8393	55	17,459.348	303,395.57	8,622.584	16.3773
1	95,700.971	2,883,929.50	11,703.024	29.1348	56	16,808.119	285,936.22	8,479.880	16.0118
2	92,818.362	2,788,228.53	11,607.822	29.0396	57	16,169.999	269,128.10	8,331.317	15.6437
3	90,059.091	2,695,410.17	11,551.998	28.9294	58	15,544.168	252,958.10	8,176.457	15.2735
4	87,395.140	2,605,351.08	11,511.128	28.8112	59	14,928.838	237,413.93	8,013.869	14.9030
5	84,820.322	2,517,955.94	11,481.799	28.6858	60	14,323.606	222,485.09	7,843.457	14.5328
6	82,321.352	2,433,135.62	11,453.325	28.5566	61	13,728.606	208,161.49	7,665.650	14.1626
7	79,900.877	2,350,814.27	11,430.558	28.4216	62	13,144.755	194,432.88	7,481.661	13.7917
8	77,553.931	2,270,913.39	11,410.823	28.2817	63	12,571.619	181,288.13	7,291.382	13.4204
9	75,278.984	2,193,359.46	11,394.728	28.1364	64	12,008.956	168,716.51	7,094.883	13.0492
10	73,071.511	2,118,080.47	11,379.846	27.9864	65	11,456.252	156,707.55	6,891.954	12.6788
11	70,929.488	2,045,008.96	11,366.120	27.8316	66	10,913.900	145,251.30	6,683.279	12.3088
12	68,849.553	1,974,079.48	11,352.093	27.6724	67	10,382.106	134,337.40	6,469.366	11.9393
13	66,829.926	1,905,229.92	11,337.793	27.5086	68	9,861.715	123,955.29	6,251.366	11.5693
14	64,866.896	1,838,400.00	11,321.265	27.3411	69	9,353.204	114,093.58	6,030.090	11.1983
15	62,957.671	1,773,533.10	11,301.367	27.1702	70	8,856.223	104,740.38	5,805.533	10.8268
16	61,101.518	1,710,575.43	11,278.933	26.9956	71	8,370.449	95,884.15	5,577.707	10.4551
17	59,296.452	1,649,473.91	11,253.522	26.8174	72	7,894.865	87,513.70	5,345.922	10.0849
18	57,540.588	1,590,177.46	11,224.740	26.6358	73	7,429.250	79,618.84	5,110.254	9.7169
19	55,834.424	1,532,636.87	11,194.515	26.4497	74	6,973.737	72,189.59	4,871.127	9.3516
20	54,176.065	1,476,802.45	11,162.402	26.2593	75	6,529.304	65,215.85	4,629.814	8.9882
21	52,563.718	1,422,626.38	11,127.999	26.0648	76	6,097.230	58,686.55	4,387.913	8.6251
22	50,997.248	1,370,062.66	11,092.510	25.8654	77	5,678.008	52,589.32	4,146.280	8.2619
23	49,473.889	1,319,065.42	11,054.508	25.6619	78	5,271.354	46,911.31	3,905.006	7.8993
24	47,993.055	1,269,591.53	11,014.661	25.4537	79	4,875.926	41,639.96	3,663.111	7.5399
25	46,554.125	1,221,598.47	10,973.587	25.2404	80	4,490.320	36,764.03	3,419.523	7.1874
26	45,155.984	1,175,044.35	10,931.391	25.0219	81	4,113.368	32,273.71	3,173.357	6.8461
27	43,796.642	1,129,888.36	10,887.273	24.7985	82	3,745.619	28,160.34	2,925.415	6.5182
28	42,475.556	1,086,091.72	10,841.817	24.5698	83	3,389.095	24,414.72	2,677.986	6.2039
29	41,190.877	1,043,616.16	10,794.290	24.3361	84	3,047.907	21,025.63	2,435.510	5.8984
30	39,940.880	1,002,425.29	10,744.027	24.0977	85	2,725.502	17,977.72	2,201.879	5.5961
31	38,724.355	962,484.41	10,690.829	23.8548	86	2,422.441	15,252.22	1,978.201	5.2962
32	37,541.318	923,760.05	10,635.685	23.6065	87	2,137.778	12,829.78	1,764.095	5.0015
33	36,390.573	886,218.73	10,578.377	23.3530	88	1,871.426	10,692.00	1,560.008	4.7133
34	35,271.354	849,828.16	10,519.078	23.0940	89	1,623.097	8,820.57	1,366.187	4.4344
35	34,183.263	814,556.81	10,458.307	22.8291	90	1,392.542	7,197.48	1,182.907	4.1686
36	33,125.183	780,373.54	10,395.857	22.5583	91	1,179.539	5,804.94	1,010.463	3.9214
37	32,095.720	747,248.36	10,331.205	22.2819	92	985.145	4,625.40	850.425	3.6951
38	31,094.547	715,152.64	10,264.859	21.9993	93	811.058	3,640.25	705.031	3.4883
39	30,120.994	684,058.09	10,196.972	21.7103	94	659.385	2,829.19	576.981	3.2907
40	29,173.482	653,937.10	10,126.770	21.4155	95	529.733	2,169.81	466.535	3.0960
41	28,251.743	624,763.62	10,054.744	21.1142	96	419.991	1,640.08	372.222	2.9050
42	27,354.614	596,511.87	9,980.482	20.8066	97	327.503	1,220.08	291.967	2.7254
43	26,481.009	569,157.26	9,903.613	20.4930	98	250.909	892.58	224.911	2.5574
44	25,629.912	542,676.25	9,823.808	20.1736	99	188.652	641.67	169.962	2.4014
45	24,800.376	517,046.34	9,740.774	19.8483	100	139.362	453.02	126.168	2.2507
46	23,990.488	492,245.96	9,653.227	19.5184	101	101.009	313.66	91.874	2.1052
47	23,199.510	468,255.47	9,561.001	19.1839	102	71.721	212.65	65.527	1.9650
48	22,426.271	445,055.96	9,463.476	18.8453	103	49.802	140.93	45.697	1.8298
49	21,669.935	422,629.69	9,360.333	18.5030	104	33.756	91.13	31.101	1.6996
50	20,930.421	400,959.76	9,251.982	18.1568	105	22.286	57.37	20.615	1.5743
51	20,206.744	380,029.34	9,137.928	17.8071	106	14.298	35.09	13.276	1.4539
52	19,498.006	359,822.59	9,017.736	17.4543	107	8.891	20.79	8.285	1.3381
53	18,804.226	340,324.59	8,891.860	17.0983	108	5.342	11.90	4.996	1.2269
54	18,124.795	321,520.36	8,760.124	16.7393	109	3.091	6.55	2.900	1.1202

**Table 9.D. -- Actuarial Functions at 4.0 Percent Interest for 1989-91 United States
Females Other than White**

x	D_x	N_x	M_x	a_x	x	D_x	N_x	M_x	a_x
0	100,000.000	2,399,827.66	7,698.936	22.9983	55	10,262.229	159,469.83	4,128.774	14.5395
1	94,780.769	2,299,827.66	6,325.859	23.2647	56	9,784.456	149,207.60	4,045.703	14.2495
2	91,041.975	2,205,046.89	6,232.479	23.2201	57	9,322.480	139,423.14	3,960.052	13.9556
3	87,486.132	2,114,004.92	6,178.250	23.1639	58	8,875.500	130,100.66	3,871.629	13.6584
4	84,081.959	2,026,518.79	6,138.929	23.1017	59	8,442.193	121,225.16	3,779.686	13.3594
5	80,820.092	1,942,436.83	6,110.984	23.0341	60	8,022.052	112,782.97	3,684.246	13.0591
6	77,684.757	1,861,616.74	6,084.113	22.9637	61	7,614.887	104,760.92	3,585.621	12.7574
7	74,675.604	1,783,931.98	6,062.835	22.8891	62	7,220.934	97,146.03	3,484.549	12.4534
8	71,785.198	1,709,256.38	6,044.568	22.8107	63	6,839.683	89,925.10	3,381.026	12.1476
9	69,009.474	1,637,471.18	6,029.814	22.7282	64	6,470.739	83,085.41	3,275.147	11.8402
10	66,341.753	1,568,461.70	6,016.302	22.6422	65	6,113.573	76,614.67	3,166.855	11.5319
11	63,777.805	1,502,119.95	6,003.960	22.5524	66	5,768.148	70,501.10	3,056.567	11.2225
12	61,312.320	1,438,342.15	5,991.468	22.4593	67	5,434.327	64,732.95	2,944.598	10.9119
13	58,941.542	1,377,029.83	5,978.856	22.3626	68	5,112.304	59,298.62	2,831.587	10.5992
14	56,660.123	1,318,088.28	5,964.419	22.2631	69	4,802.070	54,186.32	2,717.981	10.2840
15	54,463.674	1,261,428.16	5,947.206	22.1609	70	4,503.193	49,384.25	2,603.799	9.9665
16	52,349.697	1,206,964.49	5,927.986	22.0558	71	4,215.263	44,881.06	2,489.068	9.6473
17	50,314.685	1,154,614.79	5,906.424	21.9479	72	3,937.535	40,665.80	2,373.466	9.3277
18	48,355.317	1,104,300.11	5,882.236	21.8372	73	3,669.683	36,728.26	2,257.058	9.0086
19	46,470.341	1,055,944.79	5,857.080	21.7230	74	3,411.560	33,058.58	2,140.077	8.6902
20	44,656.550	1,009,474.45	5,830.610	21.6053	75	3,163.431	29,647.02	2,023.161	8.3718
21	42,910.905	964,817.90	5,802.524	21.4842	76	2,925.687	26,483.59	1,907.087	8.0521
22	41,231.793	921,906.99	5,773.831	21.3591	77	2,698.331	23,557.90	1,792.258	7.7305
23	39,615.525	880,675.20	5,743.402	21.2306	78	2,480.991	20,859.57	1,678.700	7.4078
24	38,060.251	841,059.68	5,711.802	21.0981	79	2,272.815	18,378.58	1,565.946	7.0863
25	36,564.135	802,999.42	5,679.542	20.9614	80	2,072.946	16,105.76	1,453.494	6.7695
26	35,125.000	766,435.29	5,646.719	20.8202	81	1,880.669	14,032.82	1,340.945	6.4616
27	33,740.050	731,310.29	5,612.731	20.6748	82	1,696.064	12,152.15	1,228.674	6.1649
28	32,407.674	697,570.24	5,578.050	20.5248	83	1,519.869	10,456.08	1,117.712	5.8796
29	31,125.312	665,162.57	5,542.137	20.3705	84	1,353.718	8,936.21	1,010.017	5.6012
30	29,890.570	634,037.25	5,504.522	20.2119	85	1,198.883	7,582.50	907.248	5.3246
31	28,701.503	604,146.68	5,465.092	20.0493	86	1,055.328	6,383.61	809.804	5.0489
32	27,557.121	575,445.18	5,424.614	19.8819	87	922.360	5,328.29	717.426	4.7768
33	26,455.570	547,888.06	5,382.952	19.7097	88	799.677	4,405.93	630.218	4.5096
34	25,395.352	521,432.49	5,340.256	19.5326	89	686.895	3,606.25	548.193	4.2501
35	24,375.274	496,037.14	5,296.922	19.3500	90	583.657	2,919.35	471.375	4.0018
36	23,393.659	471,661.86	5,252.818	19.1620	91	489.628	2,335.70	399.793	3.7704
37	22,448.684	448,268.20	5,207.599	18.9686	92	405.003	1,846.07	334.000	3.5582
38	21,539.315	425,819.52	5,161.641	18.7694	93	330.227	1,441.07	274.802	3.3639
39	20,664.306	404,280.21	5,115.067	18.5642	94	265.891	1,110.84	223.167	3.1778
40	19,821.827	383,615.90	5,067.369	18.3532	95	211.556	844.95	179.058	2.9940
41	19,010.982	363,794.07	5,018.902	18.1360	96	166.117	633.39	141.755	2.8129
42	18,230.298	344,783.09	4,969.410	17.9126	97	128.290	467.27	110.318	2.6423
43	17,478.397	326,552.79	4,918.674	17.6832	98	97.341	338.98	84.303	2.4824
44	16,753.983	309,074.40	4,866.507	17.4478	99	72.485	241.64	63.191	2.3337
45	16,055.843	292,320.41	4,812.750	17.2065	100	53.032	169.16	46.525	2.1898
46	15,382.177	276,264.57	4,756.617	16.9600	101	38.067	116.13	33.601	2.0506
47	14,731.991	260,882.39	4,698.052	16.7086	102	26.769	78.06	23.767	1.9160
48	14,104.041	246,150.40	4,636.718	16.4525	103	18.410	51.29	16.437	1.7861
49	13,497.334	232,046.36	4,572.474	16.1920	104	12.358	32.88	11.093	1.6607
50	12,911.367	218,549.03	4,505.636	15.9269	105	8.080	20.52	7.291	1.5398
51	12,345.097	205,637.66	4,435.956	15.6574	106	5.134	12.44	4.656	1.4233
52	11,797.561	193,292.56	4,363.232	15.3841	107	3.162	7.31	2.881	1.3112
53	11,268.378	181,495.00	4,287.801	15.1066	108	1.882	4.15	1.722	1.2033
54	10,756.795	170,226.62	4,209.618	14.8250	109	1.078	2.26	0.991	1.0996

**Table 9.E. -- Actuarial Functions at 5.0 Percent Interest for 1989-91 United States
Females Other than White**

x	D_x	N_x	M_x	a_x	x	D_x	N_x	M_x	a_x
0	100,000.000	1,995,288.90	4,986.243	18.9529	55	6,062.670	84,993.07	2,015.381	13.0191
1	93,878.095	1,895,288.90	3,626.243	19.1888	56	5,725.362	78,930.40	1,966.772	12.7861
2	89,316.100	1,801,410.81	3,534.633	19.1689	57	5,403.085	73,205.04	1,917.130	12.5487
3	85,010.258	1,712,094.71	3,481.939	19.1399	58	5,095.035	67,801.95	1,866.371	12.3075
4	80,924.306	1,627,084.45	3,444.094	19.1063	59	4,800.137	62,706.92	1,814.093	12.0636
5	77,044.128	1,546,160.14	3,417.454	19.0685	60	4,517.809	57,906.78	1,760.344	11.8174
6	73,349.989	1,469,116.02	3,392.083	19.0289	61	4,247.661	53,388.97	1,705.330	11.5690
7	69,837.233	1,395,766.03	3,372.184	18.9860	62	3,989.550	49,141.31	1,649.487	11.3175
8	66,494.729	1,325,928.80	3,355.263	18.9404	63	3,742.920	45,151.76	1,592.836	11.0632
9	63,314.777	1,259,434.07	3,341.726	18.8916	64	3,507.297	41,408.84	1,535.447	10.8065
10	60,287.509	1,196,119.29	3,329.448	18.8403	65	3,282.145	37,901.54	1,477.309	10.5478
11	57,405.567	1,135,831.78	3,318.339	18.7861	66	3,067.207	34,619.40	1,418.664	10.2869
12	54,660.831	1,078,426.21	3,307.202	18.7294	67	2,862.177	31,552.19	1,359.692	10.0238
13	52,046.798	1,023,765.38	3,296.066	18.6701	68	2,666.929	28,690.01	1,300.737	9.7577
14	49,555.752	971,718.58	3,283.439	18.6086	69	2,481.231	26,023.09	1,242.037	9.4880
15	47,181.043	922,162.83	3,268.527	18.5452	70	2,304.641	23,541.85	1,183.601	9.2150
16	44,917.835	874,981.79	3,252.035	18.4796	71	2,136.739	21,237.21	1,125.443	8.9391
17	42,760.566	830,063.95	3,233.711	18.4119	72	1,976.948	19,100.47	1,067.402	8.6616
18	40,703.988	787,303.39	3,213.350	18.3422	73	1,824.919	17,123.53	1,009.513	8.3832
19	38,744.729	746,599.40	3,192.376	18.2697	74	1,680.398	15,298.61	951.892	8.1042
20	36,877.882	707,854.67	3,170.517	18.1946	75	1,543.339	13,618.21	894.853	7.8239
21	35,098.820	670,976.79	3,147.545	18.1168	76	1,413.757	12,074.87	838.764	7.5410
22	33,404.202	635,877.97	3,124.299	18.0359	77	1,291.476	10,661.11	783.804	7.2550
23	31,789.108	602,473.77	3,099.881	17.9522	78	1,176.144	9,369.64	729.971	6.9664
24	30,250.225	570,684.66	3,074.765	17.8655	79	1,067.194	8,193.49	677.027	6.6776
25	28,784.342	540,434.43	3,049.369	17.7753	80	964.076	7,126.30	624.728	6.3918
26	27,388.066	511,650.09	3,023.776	17.6815	81	866.322	6,162.22	572.883	6.1131
27	26,057.624	484,262.02	2,997.527	17.5843	82	773.844	5,295.90	521.658	5.8436
28	24,790.255	458,204.40	2,970.998	17.4832	83	686.849	4,522.06	471.513	5.5838
29	23,582.556	433,414.15	2,943.788	17.3786	84	605.937	3,835.21	423.308	5.3294
30	22,431.350	409,831.59	2,915.560	17.2705	85	531.521	3,229.27	377.746	5.0755
31	21,333.882	387,400.24	2,886.252	17.1589	86	463.420	2,697.75	334.956	4.8214
32	20,288.182	366,066.36	2,856.451	17.0433	87	401.173	2,234.33	294.777	4.5695
33	19,291.698	345,778.18	2,826.070	16.9237	88	344.501	1,833.16	257.208	4.3212
34	18,342.208	326,486.48	2,795.233	16.7997	89	293.096	1,488.66	222.208	4.0791
35	17,437.769	308,144.27	2,764.232	16.6711	90	246.673	1,195.56	189.742	3.8467
36	16,576.148	290,706.50	2,732.981	16.5376	91	204.962	948.89	159.777	3.6296
37	15,755.071	274,130.35	2,701.245	16.3995	92	167.923	743.92	132.498	3.4302
38	14,972.882	258,375.28	2,669.297	16.2562	93	135.615	576.00	108.187	3.2473
39	14,227.821	243,402.40	2,637.231	16.1075	94	108.154	440.39	87.184	3.0718
40	13,517.777	229,174.58	2,604.702	15.9536	95	85.233	332.23	69.413	2.8979
41	12,841.336	215,656.80	2,571.964	15.7940	96	66.289	247.00	54.527	2.7261
42	12,196.732	202,815.47	2,538.852	15.6287	97	50.707	180.71	42.101	2.5638
43	11,582.314	190,618.74	2,505.231	15.4577	98	38.108	130.00	31.917	2.4115
44	10,996.535	179,036.42	2,470.991	15.2812	99	28.106	91.90	23.730	2.2696
45	10,437.943	168,039.89	2,436.044	15.0989	100	20.368	63.79	17.330	2.1319
46	9,904.753	157,601.94	2,399.899	14.9117	101	14.481	43.42	12.413	1.9985
47	9,395.747	147,697.19	2,362.548	14.7196	102	10.086	28.94	8.708	1.8693
48	8,909.585	138,301.44	2,323.802	14.5228	103	6.870	18.85	5.973	1.7443
49	8,445.123	129,391.86	2,283.606	14.3215	104	4.568	11.98	3.997	1.6234
50	8,001.552	120,946.73	2,242.184	14.1154	105	2.958	7.42	2.605	1.5066
51	7,577.755	112,945.18	2,199.413	13.9048	106	1.862	4.46	1.650	1.3939
52	7,172.694	105,367.43	2,155.198	13.6901	107	1.136	2.60	1.012	1.2853
53	6,785.714	98,194.73	2,109.774	13.4708	108	0.669	1.46	0.600	1.1805
54	6,415.952	91,409.02	2,063.141	13.2471	109	0.380	0.79	0.342	1.0797

**Table 9.F. -- Actuarial Functions at 6.0 Percent Interest for 1989-91 United States
Females Other than White**

x	D_x	N_x	M_x	a_x	x	D_x	N_x	M_x	a_x
0	100,000.000	1,703,692.96	3,564.550	16.0369	55	3,599.588	45,889.55	1,002.066	11.7486
1	92,992.453	1,603,692.96	2,217.380	16.2454	56	3,367.249	42,289.96	973.478	11.5592
2	87,638.839	1,510,700.51	2,127.490	16.2378	57	3,147.730	38,922.71	944.558	11.3653
3	82,626.934	1,423,061.67	2,076.273	16.2227	58	2,940.264	35,774.98	915.265	11.1673
4	77,913.501	1,340,434.73	2,039.837	16.2041	59	2,743.950	32,834.72	885.381	10.9662
5	73,477.896	1,262,521.23	2,014.430	16.1823	60	2,558.197	30,090.77	854.946	10.7625
6	69,294.801	1,189,043.33	1,990.462	16.1592	61	2,382.535	27,532.57	824.088	10.5560
7	65,353.832	1,119,748.53	1,971.840	16.1336	62	2,216.648	25,150.04	793.061	10.3460
8	61,638.874	1,054,394.70	1,956.155	16.1060	63	2,059.998	22,933.39	761.882	10.1327
9	58,137.451	992,755.83	1,943.725	16.0760	64	1,912.107	20,873.39	730.595	9.9164
10	54,835.484	934,618.38	1,932.557	16.0440	65	1,772.478	18,961.28	699.198	9.6976
11	51,721.580	879,782.89	1,922.548	16.0100	66	1,640.777	17,188.80	667.826	9.4760
12	48,784.004	828,061.31	1,912.609	15.9740	67	1,516.654	15,548.03	636.577	9.2515
13	46,012.799	779,277.31	1,902.763	15.9361	68	1,399.861	14,031.37	605.632	9.0234
14	43,397.244	733,264.51	1,891.705	15.8966	69	1,290.102	12,631.51	575.111	8.7911
15	40,927.861	689,867.27	1,878.770	15.8557	70	1,186.981	11,341.41	545.014	8.5548
16	38,597.018	648,939.41	1,864.599	15.8132	71	1,090.122	10,154.43	515.344	8.3149
17	36,396.684	610,342.39	1,849.002	15.7692	72	999.085	9,064.31	486.011	8.0726
18	34,319.327	573,945.70	1,831.835	15.7237	73	913.554	8,065.22	457.032	7.8284
19	32,359.207	539,626.38	1,814.318	15.6761	74	833.271	7,151.67	428.459	7.5826
20	30,509.469	507,267.17	1,796.233	15.6265	75	758.087	6,318.40	400.442	7.3347
21	28,763.692	476,757.70	1,777.407	15.5750	76	687.885	5,560.31	373.151	7.0832
22	27,116.688	447,994.01	1,758.537	15.5210	77	622.459	4,872.42	346.661	6.8277
23	25,562.146	420,877.32	1,738.902	15.4649	78	561.524	4,249.97	320.960	6.5686
24	24,095.227	395,315.17	1,718.897	15.4064	79	504.701	3,688.44	295.922	6.3082
25	22,711.309	371,219.95	1,698.859	15.3452	80	451.633	3,183.74	271.422	6.0494
26	21,405.760	348,508.64	1,678.856	15.2811	81	402.011	2,732.11	247.363	5.7961
27	20,173.791	327,102.88	1,658.534	15.2142	82	355.709	2,330.10	223.817	5.5506
28	19,011.533	306,929.09	1,638.188	15.1444	83	312.742	1,974.39	200.985	5.3131
29	17,914.738	287,917.55	1,617.518	15.0715	84	273.298	1,661.64	179.242	5.0800
30	16,879.455	270,002.82	1,596.277	14.9959	85	237.472	1,388.35	158.886	4.8464
31	15,902.168	253,123.36	1,574.431	14.9175	86	205.093	1,150.87	139.949	4.6115
32	14,980.041	237,221.19	1,552.427	14.8358	87	175.870	945.78	122.335	4.3777
33	14,109.894	222,241.15	1,530.206	14.7507	88	149.600	769.91	106.020	4.1465
34	13,288.879	208,131.26	1,507.865	14.6621	89	126.077	620.31	90.965	3.9201
35	12,514.431	194,842.38	1,485.617	14.5694	90	105.107	494.24	77.131	3.7022
36	11,783.851	182,327.95	1,463.401	14.4727	91	86.510	389.13	64.484	3.4981
37	11,094.492	170,544.10	1,441.053	14.3720	92	70.208	302.62	53.078	3.3103
38	10,444.217	159,449.61	1,418.768	14.2668	93	56.165	232.41	43.010	3.1380
39	9,830.878	149,005.39	1,396.611	14.1569	94	44.370	176.25	34.394	2.9722
40	9,252.149	139,174.51	1,374.347	14.0424	95	34.637	131.88	27.172	2.8074
41	8,706.247	129,922.36	1,352.151	13.9229	96	26.684	97.24	21.180	2.6441
42	8,191.203	121,216.11	1,329.914	13.7983	97	20.219	70.56	16.225	2.4896
43	7,705.183	113,024.91	1,307.547	13.6687	98	15.052	50.34	12.203	2.3442
44	7,246.477	105,319.73	1,284.983	13.5339	99	10.997	35.28	9.000	2.2086
45	6,813.487	98,073.25	1,262.171	13.3940	100	7.894	24.29	6.519	2.0768
46	6,404.447	91,259.76	1,238.800	13.2494	101	5.559	16.39	4.631	1.9489
47	6,018.007	84,855.32	1,214.876	13.1002	102	3.836	10.83	3.222	1.8247
48	5,652.783	78,837.31	1,190.294	12.9466	103	2.588	7.00	2.192	1.7043
49	5,307.552	73,184.53	1,165.031	12.7888	104	1.705	4.41	1.455	1.5877
50	4,981.337	67,876.97	1,139.244	12.6263	105	1.094	2.71	0.940	1.4748
51	4,672.999	62,895.64	1,112.868	12.4594	106	0.682	1.61	0.590	1.3657
52	4,381.481	58,222.64	1,085.860	12.2883	107	0.412	0.93	0.359	1.2603
53	4,105.987	53,841.16	1,058.374	12.1128	108	0.240	0.52	0.211	1.1586
54	3,845.621	49,735.17	1,030.423	11.9329	109	0.135	0.28	0.119	1.0605

**Table 9.G. -- Actuarial Functions at 7.0 Percent Interest for 1989-91 United States
Females Other than White**

x	D_x	N_x	M_x	a_x	x	D_x	N_x	M_x	a_x
0	100,000.000	1,485,995.54	2,785.339	13.8600	55	2,147.670	25,077.86	507.062	10.6768
1	92,123.364	1,385,995.54	1,450.759	14.0450	56	1,990.271	22,930.19	490.165	10.5211
2	86,008.385	1,293,872.17	1,362.542	14.0436	57	1,843.132	20,939.92	473.231	10.3611
3	80,331.874	1,207,863.79	1,312.748	14.0359	58	1,705.562	19,096.79	456.239	10.1968
4	75,041.425	1,127,531.91	1,277.655	14.0255	59	1,576.810	17,391.23	439.066	10.0294
5	70,107.931	1,052,490.49	1,253.413	14.0124	60	1,456.328	15,814.42	421.740	9.8591
6	65,498.775	982,382.56	1,230.757	13.9985	61	1,343.652	14,358.09	404.337	9.6859
7	61,196.372	916,883.78	1,213.320	13.9826	62	1,238.415	13,014.44	387.003	9.5089
8	57,178.320	855,687.41	1,198.770	13.9652	63	1,140.141	11,776.02	369.746	9.3286
9	53,426.260	798,509.09	1,187.348	13.9460	64	1,048.397	10,635.88	352.592	9.1449
10	49,920.917	745,082.83	1,177.181	13.9253	65	962.757	9,587.49	335.538	8.9584
11	46,646.036	695,161.91	1,168.154	13.9029	66	882.892	8,624.73	318.657	8.7687
12	43,585.546	648,515.88	1,159.274	13.8792	67	808.475	7,741.84	301.999	8.5759
13	40,725.441	604,930.33	1,150.559	13.8539	68	739.242	6,933.36	285.658	8.3790
14	38,051.464	564,204.89	1,140.864	13.8274	69	674.914	6,194.12	269.691	8.1776
15	35,550.880	526,153.43	1,129.628	13.8000	70	615.163	5,519.21	254.093	7.9719
16	33,212.927	490,602.55	1,117.434	13.7714	71	559.685	4,904.04	238.859	7.7622
17	31,026.823	457,389.62	1,104.138	13.7417	72	508.151	4,344.36	223.941	7.5493
18	28,982.533	426,362.80	1,089.640	13.7110	73	460.306	3,836.21	209.339	7.3340
19	27,071.825	397,380.26	1,074.985	13.6787	74	415.930	3,375.90	195.077	7.1165
20	25,285.783	370,308.44	1,059.997	13.6449	75	374.865	2,959.97	181.222	6.8961
21	23,616.116	345,022.65	1,044.540	13.6096	76	336.973	2,585.11	167.853	6.6716
22	22,055.788	321,406.54	1,029.192	13.5724	77	302.073	2,248.13	154.998	6.4424
23	20,597.065	299,350.75	1,013.371	13.5337	78	269.955	1,946.06	142.642	6.2088
24	19,233.624	278,753.69	997.402	13.4930	79	240.370	1,676.11	130.718	5.9730
25	17,959.504	259,520.06	981.556	13.4503	80	213.085	1,435.74	119.158	5.7379
26	16,768.914	241,560.56	965.887	13.4053	81	187.900	1,222.65	107.913	5.5069
27	15,656.111	224,791.64	950.115	13.3581	82	164.705	1,034.75	97.011	5.2825
28	14,616.237	209,135.53	934.474	13.3084	83	143.456	870.05	86.537	5.0649
29	13,644.292	194,519.30	918.730	13.2565	84	124.191	726.59	76.657	4.8506
30	12,735.648	180,875.00	902.704	13.2023	85	106.903	602.40	67.494	4.6350
31	11,886.146	168,139.36	886.375	13.1458	86	91.464	495.50	59.048	4.4174
32	11,092.254	156,253.21	870.082	13.0867	87	77.698	404.03	51.266	4.2000
33	10,350.293	145,160.96	853.782	13.0248	88	65.475	326.33	44.126	3.9841
34	9,656.936	134,810.66	837.546	12.9600	89	54.664	260.86	37.598	3.7720
35	9,009.157	125,153.73	821.530	12.8918	90	45.146	206.20	31.657	3.5673
36	8,403.929	116,144.57	805.686	12.8203	91	36.811	161.05	26.275	3.3750
37	7,838.350	107,740.64	789.897	12.7453	92	29.595	124.24	21.467	3.1980
38	7,309.964	99,902.29	774.300	12.6666	93	23.454	94.64	17.263	3.0352
39	6,816.379	92,592.33	758.937	12.5838	94	18.355	71.19	13.698	2.8784
40	6,355.155	85,775.95	743.644	12.4971	95	14.195	52.83	10.739	2.7220
41	5,924.294	79,420.79	728.541	12.4060	96	10.834	38.64	8.306	2.5666
42	5,521.733	73,496.50	713.550	12.3104	97	8.132	27.81	6.313	2.4192
43	5,145.561	67,974.77	698.614	12.2104	98	5.997	19.67	4.710	2.2804
44	4,794.008	62,829.21	683.686	12.1058	99	4.341	13.68	3.446	2.1507
45	4,465.431	58,035.20	668.736	11.9965	100	3.087	9.34	2.476	2.0244
46	4,158.126	53,569.77	653.562	11.8832	101	2.154	6.25	1.745	1.9015
47	3,870.712	49,411.64	638.174	11.7655	102	1.472	4.10	1.204	1.7820
48	3,601.824	45,540.93	622.511	11.6439	103	0.984	2.62	0.812	1.6660
49	3,350.245	41,939.10	606.565	11.5182	104	0.642	1.64	0.535	1.5534
50	3,114.945	38,588.86	590.440	11.3883	105	0.408	1.00	0.343	1.4443
51	2,894.824	35,473.92	574.100	11.2543	106	0.252	0.59	0.213	1.3386
52	2,688.868	32,579.09	557.525	11.1163	107	0.151	0.34	0.129	1.2363
53	2,496.250	29,890.22	540.815	10.9740	108	0.087	0.19	0.075	1.1374
54	2,316.110	27,393.97	523.981	10.8276	109	0.049	0.10	0.042	1.0419

**Table 9.H. -- Actuarial Functions at 8.0 Percent Interest for 1989-91 United States
Females Other than White**

x	D_x	N_x	M_x	a_x	x	D_x	N_x	M_x	a_x
0	100,000.000	1,318,452.91	2,336.821	12.1845	55	1,287.564	13,860.11	260.889	9.7646
1	91,270.370	1,218,452.91	1,014.599	12.3499	56	1,182.152	12,572.55	250.853	9.6353
2	84,423.011	1,127,182.54	928.008	12.3516	57	1,084.620	11,390.39	240.888	9.5017
3	78,121.031	1,042,759.53	879.584	12.3480	58	994.372	10,305.77	230.981	9.3641
4	72,300.476	964,638.50	845.773	12.3421	59	910.795	9,311.40	221.062	9.2234
5	66,921.746	892,338.03	822.633	12.3341	60	833.413	8,400.61	211.146	9.0798
6	61,943.154	825,416.28	801.207	12.3254	61	761.812	7,567.19	201.280	8.9331
7	57,338.434	763,473.13	784.869	12.3152	62	695.645	6,805.38	191.543	8.7828
8	53,077.636	706,134.69	771.363	12.3038	63	634.512	6,109.74	181.939	8.6290
9	49,135.454	653,057.06	760.857	12.2910	64	578.052	5,475.22	172.480	8.4718
10	45,486.527	603,921.60	751.593	12.2769	65	525.918	4,897.17	163.165	8.3117
11	42,109.006	558,435.08	743.445	12.2617	66	477.825	4,371.25	154.029	8.1482
12	38,981.878	516,326.07	735.502	12.2453	67	433.499	3,893.43	145.097	7.9814
13	36,086.610	477,344.19	727.781	12.2277	68	392.707	3,459.93	136.416	7.8105
14	33,405.016	441,257.58	719.269	12.2093	69	355.214	3,067.22	128.012	7.6349
15	30,920.798	407,852.57	709.497	12.1902	70	320.768	2,712.01	119.879	7.4547
16	28,619.860	376,931.77	698.989	12.1703	71	289.138	2,391.24	112.009	7.2702
17	26,488.519	348,311.91	687.637	12.1495	72	260.085	2,102.10	104.373	7.0824
18	24,514.145	321,823.39	675.375	12.1281	73	233.415	1,842.02	96.969	6.8916
19	22,686.001	297,309.24	663.094	12.1054	74	208.960	1,608.60	89.804	6.6982
20	20,993.113	274,623.24	650.651	12.0816	75	186.585	1,399.64	82.908	6.5014
21	19,425.354	253,630.13	637.937	12.0567	76	166.171	1,213.06	76.315	6.3000
22	17,973.931	234,204.78	625.429	12.0302	77	147.582	1,046.89	70.035	6.0936
23	16,629.755	216,230.85	612.655	12.0026	78	130.669	899.31	64.054	5.8823
24	15,385.147	199,601.09	599.881	11.9736	79	115.271	768.64	58.335	5.6681
25	14,232.949	184,215.94	587.324	11.9429	80	101.241	653.36	52.843	5.4536
26	13,166.353	169,982.99	575.020	11.9104	81	88.448	552.12	47.550	5.2424
27	12,178.800	156,816.64	562.752	11.8762	82	76.812	463.68	42.465	5.0365
28	11,264.611	144,637.84	550.697	11.8400	83	66.283	386.86	37.626	4.8366
29	10,418.175	133,373.23	538.676	11.8020	84	56.850	320.58	33.104	4.6390
30	9,634.334	122,955.05	526.552	11.7622	85	48.483	263.73	28.948	4.4396
31	8,908.442	113,320.72	514.314	11.7206	86	41.097	215.25	25.153	4.2375
32	8,236.459	104,412.28	502.216	11.6768	87	34.589	174.15	21.689	4.0349
33	7,614.360	96,175.82	490.225	11.6308	88	28.877	139.56	18.539	3.8329
34	7,038.500	88,561.46	478.391	11.5824	89	23.886	110.68	15.687	3.6339
35	6,505.564	81,522.96	466.826	11.5313	90	19.544	86.80	13.115	3.4411
36	6,012.335	75,017.40	455.491	11.4772	91	15.788	67.25	10.807	3.2597
37	5,555.786	69,005.06	444.300	11.4204	92	12.576	51.47	8.764	3.0924
38	5,133.293	63,449.28	433.347	11.3603	93	9.874	38.89	6.994	2.9385
39	4,742.361	58,315.98	422.658	11.2968	94	7.656	29.02	5.507	2.7899
40	4,380.534	53,573.62	412.117	11.2299	95	5.866	21.36	4.284	2.6413
41	4,045.735	49,193.09	401.803	11.1592	96	4.435	15.49	3.288	2.4932
42	3,735.909	45,147.35	391.661	11.0847	97	3.299	11.06	2.479	2.3525
43	3,449.163	41,411.44	381.648	11.0062	98	2.410	7.76	1.835	2.2197
44	3,183.756	37,962.28	371.735	10.9237	99	1.728	5.35	1.332	2.0955
45	2,938.085	34,778.53	361.898	10.8371	100	1.218	3.62	0.949	1.9744
46	2,710.558	31,840.44	352.007	10.7468	101	0.842	2.40	0.664	1.8563
47	2,499.838	29,129.88	342.069	10.6527	102	0.570	1.56	0.454	1.7412
48	2,304.643	26,630.04	332.047	10.5550	103	0.377	0.99	0.304	1.6293
49	2,123.820	24,325.40	321.938	10.4536	104	0.244	0.61	0.198	1.5206
50	1,956.372	22,201.58	311.810	10.3483	105	0.154	0.37	0.126	1.4149
51	1,801.288	20,245.21	301.643	10.2393	106	0.094	0.22	0.078	1.3125
52	1,657.641	18,443.92	291.425	10.1266	107	0.056	0.12	0.047	1.2131
53	1,524.647	16,786.28	281.219	10.0099	108	0.032	0.07	0.027	1.1170
54	1,401.524	15,261.63	271.032	9.8893	109	0.018	0.04	0.015	1.0239

**Table 9.I. -- Actuarial Functions at 9.0 Percent Interest for 1989-91 United States
Females Other than White**

x	D_x	N_x	M_x	a_x	x	D_x	N_x	M_x	a_x
0	100,000.000	1,186,105.47	2,064.686	10.8611	55	775.565	7,741.52	136.357	8.9818
1	90,433.028	1,086,105.47	754.595	11.0101	56	705.537	6,965.95	130.367	8.8733
2	82,881.071	995,672.44	669.585	11.0133	57	641.389	6,260.42	124.474	8.7607
3	75,990.576	912,791.37	622.482	11.0119	58	582.626	5,619.03	118.669	8.6443
4	69,683.537	836,800.79	589.894	11.0086	59	528.760	5,036.40	112.911	8.5249
5	63,907.753	767,117.25	567.796	11.0035	60	479.398	4,507.64	107.207	8.4027
6	58,610.693	703,209.50	547.523	10.9980	61	434.191	4,028.24	101.584	8.2776
7	53,755.961	644,598.81	532.206	10.9912	62	392.842	3,594.05	96.085	8.1489
8	49,304.849	590,842.85	519.660	10.9835	63	355.032	3,201.21	90.711	8.0167
9	45,224.137	541,538.00	509.991	10.9745	64	320.473	2,846.18	85.468	7.8812
10	41,481.586	496,313.86	501.543	10.9647	65	288.895	2,525.71	80.350	7.7426
11	38,049.138	454,832.27	494.179	10.9538	66	260.069	2,236.81	75.378	7.6008
12	34,900.355	416,783.14	487.069	10.9421	67	233.778	1,976.74	70.561	7.4556
13	32,011.825	381,882.78	480.219	10.9294	68	209.837	1,742.96	65.922	7.3063
14	29,361.165	349,870.96	472.738	10.9161	69	188.062	1,533.13	61.473	7.1523
15	26,928.338	320,509.79	464.227	10.9023	70	168.267	1,345.07	57.207	6.9936
16	24,695.830	293,581.45	455.160	10.8879	71	150.283	1,176.80	53.116	6.8305
17	22,647.020	268,885.62	445.455	10.8729	72	133.942	1,026.52	49.184	6.6639
18	20,766.695	246,238.60	435.067	10.8574	73	119.104	892.57	45.406	6.4940
19	19,041.706	225,471.91	424.759	10.8410	74	105.648	773.47	41.783	6.3212
20	17,459.106	206,430.20	414.410	10.8236	75	93.470	667.82	38.329	6.1448
21	16,007.051	188,971.10	403.933	10.8055	76	82.480	574.35	35.056	5.9635
22	14,675.156	172,964.05	393.721	10.7862	77	72.581	491.87	31.968	5.7769
23	13,453.112	158,288.89	383.387	10.7660	78	63.674	419.29	29.053	5.5850
24	12,332.066	144,835.78	373.149	10.7446	79	55.655	355.62	26.292	5.3897
25	11,303.849	132,503.71	363.175	10.7220	80	48.432	299.96	23.665	5.1934
26	10,360.822	121,199.86	353.494	10.6979	81	41.924	251.53	21.156	4.9996
27	9,495.776	110,839.04	343.928	10.6725	82	36.075	209.61	18.768	4.8103
28	8,702.408	101,343.27	334.615	10.6454	83	30.844	173.53	16.516	4.6260
29	7,974.659	92,640.86	325.414	10.6169	84	26.212	142.69	14.431	4.4435
30	7,307.006	84,666.20	316.218	10.5870	85	22.149	116.47	12.532	4.2586
31	6,694.478	77,359.19	307.022	10.5557	86	18.603	94.32	10.814	4.0705
32	6,132.715	70,664.71	298.014	10.5226	87	15.513	75.72	9.261	3.8812
33	5,617.497	64,532.00	289.167	10.4877	88	12.833	60.21	7.861	3.6919
34	5,145.017	58,914.50	280.517	10.4508	89	10.517	47.38	6.605	3.5047
35	4,711.823	53,769.49	272.141	10.4116	90	8.527	36.86	5.483	3.3229
36	4,314.639	49,057.66	264.006	10.3701	91	6.825	28.33	4.485	3.1515
37	3,950.427	44,743.02	256.049	10.3261	92	5.386	21.51	3.610	2.9931
38	3,616.528	40,792.60	248.332	10.2795	93	4.190	16.12	2.859	2.8474
39	3,310.455	37,176.07	240.871	10.2299	94	3.219	11.93	2.234	2.7064
40	3,029.824	33,865.61	233.580	10.1774	95	2.444	8.71	1.724	2.5650
41	2,772.586	30,835.79	226.512	10.1217	96	1.831	6.27	1.313	2.4236
42	2,536.770	28,063.20	219.625	10.0626	97	1.349	4.44	0.983	2.2891
43	2,320.576	25,526.43	212.889	10.0000	98	0.977	3.09	0.722	2.1620
44	2,122.360	23,205.86	206.280	9.9340	99	0.694	2.11	0.520	2.0430
45	1,940.622	21,083.50	199.783	9.8643	100	0.484	1.42	0.367	1.9267
46	1,773.914	19,142.88	193.309	9.7913	101	0.332	0.93	0.255	1.8131
47	1,621.000	17,368.96	186.865	9.7150	102	0.223	0.60	0.173	1.7022
48	1,480.717	15,747.96	180.426	9.6354	103	0.146	0.38	0.115	1.5942
49	1,352.020	14,267.25	173.991	9.5525	104	0.094	0.23	0.074	1.4890
50	1,233.998	12,915.23	167.603	9.4662	105	0.058	0.14	0.047	1.3867
51	1,125.754	11,681.23	161.249	9.3764	106	0.035	0.08	0.029	1.2873
52	1,026.474	10,555.47	154.921	9.2832	107	0.021	0.05	0.017	1.1908
53	935.457	9,529.00	148.659	9.1865	108	0.012	0.02	0.010	1.0972
54	852.025	8,593.54	142.466	9.0860	109	0.006	0.01	0.005	1.0066

**Table 9.J. -- Actuarial Functions at 10.0 Percent Interest for 1989-91 United States
Females Other than White**

x	D_x	N_x	M_x	a_x	x	D_x	N_x	M_x	a_x
0	100,000.000	1,079,207.67	1,890.211	9.7921	55	469.329	4,366.99	72.330	8.3047
1	89,610.909	979,207.67	592.030	9.9273	56	423.071	3,897.66	68.738	8.2128
2	81,380.992	889,596.76	508.559	9.9313	57	381.109	3,474.59	65.237	8.1171
3	73,936.890	808,215.77	462.728	9.9312	58	343.045	3,093.48	61.819	8.0177
4	67,183.936	734,278.88	431.310	9.9294	59	308.499	2,750.44	58.459	7.9155
5	61,055.194	667,094.95	410.198	9.9261	60	277.156	2,441.94	55.162	7.8107
6	55,485.529	606,039.75	391.006	9.9225	61	248.739	2,164.78	51.940	7.7030
7	50,427.022	550,554.22	376.638	9.9178	62	223.005	1,916.04	48.819	7.5919
8	45,831.085	500,127.20	364.975	9.9124	63	199.709	1,693.04	45.796	7.4775
9	41,655.716	454,296.12	356.069	9.9060	64	178.631	1,493.33	42.873	7.3599
10	37,861.122	412,640.40	348.358	9.8988	65	159.565	1,314.70	40.047	7.2393
11	34,412.543	374,779.28	341.699	9.8908	66	142.338	1,155.13	37.325	7.1154
12	31,277.757	340,366.74	335.326	9.8821	67	126.786	1,012.80	34.713	6.9883
13	28,428.242	309,088.98	329.243	9.8726	68	112.767	886.01	32.220	6.8570
14	25,837.273	280,660.74	322.660	9.8626	69	100.146	773.24	29.851	6.7212
15	23,481.009	254,823.47	315.239	9.8523	70	88.790	673.10	27.600	6.5807
16	21,338.537	231,342.46	307.404	9.8415	71	78.580	584.31	25.461	6.4358
17	19,390.360	210,003.92	299.095	9.8303	72	69.399	505.73	23.424	6.2873
18	17,618.787	190,613.56	290.282	9.8188	73	61.150	436.33	21.484	6.1354
19	16,008.413	172,994.77	281.616	9.8065	74	53.748	375.18	19.641	5.9803
20	14,544.482	156,986.36	272.994	9.7935	75	47.120	321.43	17.899	5.8215
21	13,213.608	142,441.88	264.346	9.7799	76	41.202	274.31	16.265	5.6577
22	12,004.017	129,228.27	255.993	9.7654	77	35.927	233.11	14.736	5.4883
23	10,904.367	117,224.25	247.617	9.7502	78	31.232	197.18	13.306	5.3135
24	9,904.837	106,319.89	239.393	9.7341	79	27.051	165.95	11.964	5.1348
25	8,996.460	96,415.05	231.456	9.7170	80	23.326	138.90	10.699	4.9547
26	8,170.965	87,418.59	223.820	9.6987	81	20.008	115.57	9.501	4.7763
27	7,420.675	79,247.62	216.345	9.6793	82	17.060	95.56	8.372	4.6017
28	6,738.856	71,826.95	209.133	9.6586	83	14.454	78.50	7.317	4.4314
29	6,119.172	65,088.09	202.073	9.6367	84	12.171	64.05	6.349	4.2624
30	5,555.892	58,968.92	195.081	9.6138	85	10.191	51.88	5.475	4.0905
31	5,043.882	53,413.03	188.152	9.5897	86	8.482	41.69	4.692	3.9151
32	4,578.622	48,369.15	181.427	9.5641	87	7.009	33.21	3.990	3.7379
33	4,155.839	43,790.53	174.882	9.5371	88	5.745	26.20	3.363	3.5601
34	3,771.694	39,634.69	168.541	9.5085	89	4.666	20.45	2.806	3.3837
35	3,422.728	35,862.99	162.456	9.4779	90	3.748	15.79	2.313	3.2120
36	3,105.716	32,440.26	156.601	9.4453	91	2.973	12.04	1.878	3.0497
37	2,817.702	29,334.55	150.925	9.4108	92	2.325	9.07	1.501	2.8996
38	2,556.094	26,516.85	145.471	9.3740	93	1.792	6.74	1.179	2.7614
39	2,318.496	23,960.75	140.246	9.3346	94	1.364	4.95	0.914	2.6274
40	2,102.664	21,642.26	135.186	9.2928	95	1.026	3.58	0.700	2.4927
41	1,906.652	19,539.59	130.325	9.2481	96	0.762	2.56	0.529	2.3576
42	1,728.627	17,632.94	125.632	9.2005	97	0.556	1.80	0.393	2.2289
43	1,566.930	15,904.31	121.084	9.1500	98	0.399	1.24	0.286	2.1071
44	1,420.061	14,337.38	116.662	9.0963	99	0.281	0.84	0.205	1.9929
45	1,286.656	12,917.32	112.354	9.0395	100	0.194	0.56	0.143	1.8811
46	1,165.435	11,630.67	108.101	8.9797	101	0.132	0.37	0.099	1.7717
47	1,055.291	10,465.23	103.906	8.9169	102	0.088	0.23	0.066	1.6648
48	955.201	9,409.94	99.752	8.8513	103	0.057	0.15	0.044	1.5604
49	864.251	8,454.74	95.639	8.7827	104	0.036	0.09	0.028	1.4586
50	781.637	7,590.49	91.592	8.7110	105	0.022	0.05	0.018	1.3595
51	706.591	6,808.85	87.604	8.6362	106	0.013	0.03	0.011	1.2630
52	638.420	6,102.26	83.669	8.5584	107	0.008	0.02	0.006	1.1692
53	576.522	5,463.84	79.809	8.4772	108	0.004	0.01	0.004	1.0782
54	520.329	4,887.32	76.027	8.3927	109	0.002	0.00	0.002	0.9898

**Table 9.K. -- Actuarial Functions at 11.0 Percent Interest for 1989-91 United States
Females Other than White**

x	D_x	N_x	M_x	a_x	x	D_x	N_x	M_x	a_x
0	100,000.000	991,210.35	1,771.947	8.9121	55	285.306	2,486.43	38.904	7.7149
1	88,803.604	891,210.35	485.461	9.0357	56	254.869	2,201.12	36.740	7.6363
2	79,921.273	802,406.75	403.487	9.0400	57	227.521	1,946.25	34.650	7.5542
3	71,956.544	722,485.47	358.884	9.0406	58	202.952	1,718.73	32.628	7.4686
4	64,795.414	650,528.93	328.583	9.0397	59	180.870	1,515.78	30.658	7.3805
5	58,354.069	585,733.52	308.405	9.0376	60	161.030	1,334.91	28.742	7.2898
6	52,553.056	527,379.45	290.227	9.0352	61	143.217	1,173.88	26.887	7.1965
7	47,331.609	474,826.39	276.741	9.0319	62	127.244	1,030.66	25.106	7.0999
8	42,630.241	427,494.78	265.893	9.0280	63	112.925	903.42	23.397	7.0002
9	38,397.413	384,864.54	257.683	9.0232	64	100.096	790.49	21.759	6.8973
10	34,585.220	346,467.13	250.640	9.0178	65	88.607	690.40	20.189	6.7917
11	31,151.828	311,881.91	244.611	9.0117	66	78.329	601.79	18.692	6.6829
12	28,058.993	280,730.08	238.895	9.0050	67	69.142	523.46	17.267	6.5708
13	25,272.964	252,671.09	233.487	8.9977	68	60.943	454.32	15.920	6.4549
14	22,762.636	227,398.13	227.687	8.9900	69	53.634	393.38	14.651	6.3344
15	20,500.400	204,635.49	221.208	8.9820	70	47.124	339.74	13.456	6.2095
16	18,462.051	184,135.09	214.429	8.9737	71	41.330	292.62	12.331	6.0801
17	16,625.353	165,673.04	207.305	8.9651	72	36.172	251.29	11.269	5.9471
18	14,970.308	149,047.68	199.816	8.9562	73	31.585	215.12	10.267	5.8106
19	13,479.467	134,077.38	192.519	8.9468	74	27.512	183.53	9.324	5.6710
20	12,136.470	120,597.91	185.325	8.9368	75	23.902	156.02	8.441	5.5274
21	10,926.605	108,461.44	178.174	8.9264	76	20.712	132.12	7.619	5.3789
22	9,836.943	97,534.84	171.329	8.9152	77	17.898	111.41	6.857	5.2246
23	8,855.309	87,697.89	164.527	8.9034	78	15.418	93.51	6.152	5.0648
24	7,971.138	78,842.58	157.908	8.8910	79	13.234	78.09	5.495	4.9008
25	7,174.875	70,871.45	151.578	8.8777	80	11.309	64.86	4.882	4.7350
26	6,457.817	63,696.57	145.544	8.8635	81	9.613	53.55	4.306	4.5704
27	5,811.998	57,238.76	139.689	8.8484	82	8.123	43.93	3.769	4.4089
28	5,230.437	51,426.76	134.091	8.8322	83	6.820	35.81	3.271	4.2512
29	4,706.675	46,196.32	128.661	8.8151	84	5.691	28.99	2.818	4.0942
30	4,234.918	41,489.65	123.332	8.7970	85	4.722	23.30	2.413	3.9341
31	3,810.007	37,254.73	118.097	8.7781	86	3.895	18.58	2.054	3.7701
32	3,427.405	33,444.72	113.063	8.7580	87	3.189	14.68	1.734	3.6039
33	3,082.897	30,017.32	108.208	8.7367	88	2.591	11.49	1.452	3.4366
34	2,772.723	26,934.42	103.546	8.7141	89	2.085	8.90	1.203	3.2702
35	2,493.516	24,161.70	99.114	8.6898	90	1.660	6.82	0.984	3.1077
36	2,242.183	21,668.18	94.886	8.6639	91	1.305	5.16	0.793	2.9538
37	2,015.924	19,426.00	90.826	8.6363	92	1.011	3.85	0.629	2.8114
38	1,812.281	17,410.07	86.959	8.6067	93	0.772	2.84	0.491	2.6800
39	1,629.014	15,597.79	83.287	8.5750	94	0.583	2.07	0.378	2.5526
40	1,464.057	13,968.78	79.764	8.5411	95	0.434	1.49	0.287	2.4241
41	1,315.617	12,504.72	76.410	8.5048	96	0.320	1.05	0.215	2.2949
42	1,182.031	11,189.10	73.201	8.4660	97	0.231	0.73	0.159	2.1716
43	1,061.811	10,007.07	70.119	8.4245	98	0.164	0.50	0.115	2.0547
44	953.617	8,945.26	67.150	8.3804	99	0.115	0.34	0.081	1.9451
45	856.248	7,991.64	64.283	8.3333	100	0.079	0.22	0.057	1.8375
46	768.589	7,135.40	61.478	8.2838	101	0.053	0.14	0.039	1.7321
47	689.681	6,366.81	58.736	8.2315	102	0.035	0.09	0.026	1.6289
48	618.644	5,677.13	56.046	8.1767	103	0.022	0.06	0.017	1.5280
49	554.697	5,058.48	53.406	8.1194	104	0.014	0.03	0.011	1.4295
50	497.153	4,503.78	50.832	8.0591	105	0.009	0.02	0.007	1.3333
51	445.372	4,006.63	48.318	7.9961	106	0.005	0.01	0.004	1.2396
52	398.778	3,561.26	45.860	7.9304	107	0.003	0.01	0.002	1.1484
53	356.870	3,162.48	43.471	7.8617	108	0.002	0.00	0.001	1.0597
54	319.185	2,805.61	41.151	7.7899	109	0.001	0.00	0.001	0.9735

**Table 9.L. -- Actuarial Functions at 12.0 Percent Interest for 1989-91 United States
Females Other than White**

x	D_x	N_x	M_x	a_x	x	D_x	N_x	M_x	a_x
0	100,000.000	917,584.79	1,687.344	8.1758	55	174.214	1,428.14	21.199	7.1976
1	88,010.714	817,584.79	412.344	8.2896	56	154.239	1,253.93	19.889	7.1298
2	78,500.478	729,574.07	331.828	8.2939	57	136.460	1,099.69	18.636	7.0587
3	70,046.294	651,073.59	288.409	8.2949	58	120.637	963.23	17.434	6.9845
4	62,512.100	581,027.30	259.175	8.2946	59	106.551	842.59	16.273	6.9079
5	55,795.083	518,515.20	239.883	8.2932	60	94.017	736.04	15.155	6.8289
6	49,799.813	462,720.12	222.657	8.2916	61	82.870	642.03	14.082	6.7474
7	44,451.453	412,920.30	209.992	8.2892	62	72.970	559.16	13.060	6.6628
8	39,678.700	368,468.85	199.894	8.2863	63	64.180	486.19	12.089	6.5753
9	35,419.838	328,790.15	192.322	8.2827	64	56.381	422.01	11.166	6.4849
10	31,618.416	293,370.31	185.882	8.2785	65	49.464	365.63	10.290	6.3917
11	28,225.266	261,751.90	180.420	8.2737	66	43.336	316.16	9.461	6.2956
12	25,195.997	233,526.63	175.287	8.2684	67	37.912	272.83	8.680	6.1964
13	22,491.613	208,330.63	170.474	8.2626	68	33.118	234.91	7.948	6.0933
14	20,076.682	185,839.02	165.358	8.2565	69	28.886	201.80	7.265	5.9860
15	17,919.945	165,762.34	159.695	8.2502	70	25.153	172.91	6.627	5.8743
16	15,994.079	147,842.39	153.823	8.2436	71	21.863	147.76	6.032	5.7583
17	14,274.311	131,848.31	147.705	8.2368	72	18.964	125.89	5.475	5.6386
18	12,738.548	117,574.00	141.334	8.2298	73	16.411	106.93	4.955	5.5156
19	11,367.550	104,835.46	135.180	8.2223	74	14.167	90.52	4.469	5.3893
20	10,143.586	93,467.91	129.167	8.2145	75	12.199	76.35	4.018	5.2591
21	9,050.849	83,324.32	123.243	8.2062	76	10.476	64.15	3.602	5.1238
22	8,075.496	74,273.47	117.624	8.1974	77	8.972	53.68	3.221	4.9829
23	7,204.730	66,197.98	112.090	8.1881	78	7.660	44.71	2.870	4.8363
24	6,427.458	58,993.25	106.753	8.1783	79	6.516	37.05	2.547	4.6854
25	5,733.743	52,565.79	101.694	8.1678	80	5.518	30.53	2.247	4.5323
26	5,114.634	46,832.04	96.915	8.1565	81	4.649	25.01	1.969	4.3800
27	4,562.042	41,717.41	92.319	8.1445	82	3.893	20.36	1.711	4.2303
28	4,068.897	37,155.37	87.965	8.1316	83	3.239	16.47	1.475	4.0838
29	3,628.757	33,086.47	83.778	8.1179	84	2.679	13.23	1.262	3.9378
30	3,235.890	29,457.71	79.706	8.1034	85	2.203	10.55	1.073	3.7883
31	2,885.224	26,221.82	75.742	8.0883	86	1.801	8.35	0.907	3.6347
32	2,572.314	23,336.60	71.964	8.0722	87	1.462	6.55	0.760	3.4786
33	2,293.098	20,764.29	68.353	8.0551	88	1.177	5.08	0.632	3.3209
34	2,043.972	18,471.19	64.916	8.0369	89	0.939	3.91	0.520	3.1635
35	1,821.737	16,427.22	61.678	8.0173	90	0.741	2.97	0.422	3.0095
36	1,623.490	14,605.48	58.617	7.9963	91	0.577	2.23	0.338	2.8634
37	1,446.630	12,981.99	55.703	7.9740	92	0.443	1.65	0.266	2.7280
38	1,288.884	11,535.36	52.953	7.9499	93	0.335	1.21	0.206	2.6031
39	1,148.202	10,246.48	50.365	7.9239	94	0.251	0.87	0.157	2.4817
40	1,022.719	9,098.27	47.904	7.8962	95	0.185	0.62	0.119	2.3590
41	910.820	8,075.56	45.582	7.8662	96	0.135	0.44	0.088	2.2353
42	811.030	7,164.74	43.380	7.8341	97	0.097	0.30	0.065	2.1171
43	722.038	6,353.71	41.284	7.7997	98	0.068	0.21	0.046	2.0048
44	642.676	5,631.67	39.283	7.7628	99	0.047	0.14	0.033	1.8994
45	571.903	4,988.99	37.368	7.7235	100	0.032	0.09	0.022	1.7958
46	508.771	4,417.09	35.512	7.6819	101	0.021	0.06	0.015	1.6941
47	452.461	3,908.32	33.713	7.6379	102	0.014	0.04	0.010	1.5945
48	402.234	3,455.86	31.964	7.5917	103	0.009	0.02	0.007	1.4969
49	357.436	3,053.62	30.262	7.5431	104	0.006	0.01	0.004	1.4014
50	317.496	2,696.19	28.619	7.4920	105	0.003	0.01	0.003	1.3081
51	281.887	2,378.69	27.028	7.4384	106	0.002	0.00	0.002	1.2171
52	250.143	2,096.80	25.486	7.3824	107	0.001	0.00	0.001	1.1283
53	221.857	1,846.66	24.001	7.3236	108	0.001	0.00	0.000	1.0419
54	196.657	1,624.80	22.571	7.2621	109	0.000	0.00	0.000	0.9578

**Table 10.A. -- Actuarial Functions at 1.0 Percent Interest for 1989-91 United States
Total Black Population**

x	D_x	N_x	M_x	a_x	x	D_x	N_x	M_x	a_x
0	100,000.000	4,937,759.57	51,111.291	48.3776	55	46,649.612	918,547.32	37,555.084	18.6904
1	97,214.851	4,837,759.57	49,316.242	48.7636	56	45,548.489	871,897.71	36,915.839	18.1422
2	96,132.732	4,740,544.72	49,196.646	48.3125	57	44,426.601	826,349.22	36,244.925	17.6003
3	95,107.158	4,644,411.99	49,122.881	47.8335	58	43,281.472	781,922.62	35,539.664	17.0660
4	94,109.766	4,549,304.83	49,067.144	47.3404	59	42,111.856	738,641.15	34,798.577	16.5400
5	93,133.267	4,455,195.06	49,022.425	46.8368	60	40,917.672	696,529.29	34,021.343	16.0227
6	92,172.532	4,362,061.80	48,983.801	46.3250	61	39,701.587	655,611.62	33,210.383	15.5135
7	91,225.422	4,269,889.27	48,949.291	45.8059	62	38,467.260	615,910.03	32,369.141	15.0113
8	90,291.725	4,178,663.84	48,918.816	45.2796	63	37,214.482	577,442.77	31,497.227	14.5166
9	89,372.146	4,088,372.12	48,893.214	44.7455	64	35,940.423	540,228.29	30,591.628	14.0312
10	88,464.641	3,998,999.97	48,870.582	44.2045	65	34,647.094	504,287.86	29,654.145	13.5550
11	87,569.931	3,910,535.33	48,851.759	43.6561	66	33,335.405	469,640.77	28,685.496	13.0883
12	86,683.378	3,822,965.40	48,832.235	43.1026	67	32,010.868	436,305.37	27,691.013	12.6299
13	85,798.767	3,736,282.02	48,805.876	42.5470	68	30,678.792	404,294.50	26,675.876	12.1783
14	84,910.996	3,650,483.26	48,767.597	41.9919	69	29,341.770	373,615.71	25,642.605	11.7332
15	84,015.166	3,565,572.26	48,712.471	41.4396	70	28,001.308	344,273.94	24,592.656	11.2949
16	83,109.990	3,481,557.09	48,639.128	40.8910	71	26,655.898	316,272.63	23,524.486	10.8650
17	82,195.927	3,398,447.10	48,547.935	40.3457	72	25,305.563	289,616.73	22,438.070	10.4448
18	81,277.603	3,316,251.18	48,443.433	39.8015	73	23,953.236	264,311.17	21,336.294	10.0345
19	80,356.163	3,234,973.57	48,326.722	39.2579	74	22,607.011	240,357.93	20,227.229	9.6320
20	79,434.348	3,154,617.41	48,200.512	38.7135	75	21,275.138	217,750.92	19,119.189	9.2350
21	78,512.360	3,075,183.06	48,065.003	38.1681	76	19,965.546	196,475.78	18,020.241	8.8407
22	77,588.792	2,996,670.70	47,918.785	37.6225	77	18,681.659	176,510.24	16,934.033	8.4483
23	76,667.066	2,919,081.91	47,765.265	37.0748	78	17,421.699	157,828.58	15,859.040	8.0593
24	75,748.898	2,842,414.84	47,606.176	36.5242	79	16,180.757	140,406.88	14,790.590	7.6774
25	74,835.937	2,766,665.95	47,443.205	35.9698	80	14,954.109	124,226.12	13,724.147	7.3072
26	73,930.541	2,691,830.01	47,278.759	35.4103	81	13,737.211	109,272.01	12,655.310	6.9545
27	73,030.387	2,617,899.47	47,110.590	34.8467	82	12,535.427	95,534.80	11,589.538	6.6212
28	72,133.998	2,544,869.08	46,937.274	34.2797	83	11,360.035	82,999.37	10,538.259	6.3063
29	71,238.459	2,472,735.08	46,755.934	33.7107	84	10,230.532	71,639.34	9,521.231	6.0025
30	70,340.970	2,401,496.62	46,563.776	33.1408	85	9,164.775	61,408.81	8,556.767	5.7005
31	69,441.781	2,331,155.65	46,361.032	32.5699	86	8,165.441	52,244.03	7,648.173	5.3982
32	68,541.866	2,261,713.87	46,148.660	31.9976	87	7,227.916	44,078.59	6,791.494	5.0984
33	67,640.722	2,193,172.01	45,926.148	31.4238	88	6,349.398	36,850.68	5,984.540	4.8038
34	66,737.870	2,125,531.28	45,693.005	30.8490	89	5,526.341	30,501.28	5,224.349	4.5193
35	65,833.558	2,058,793.42	45,449.465	30.2727	90	4,756.124	24,974.94	4,508.847	4.2511
36	64,927.332	1,992,959.86	45,195.056	29.6952	91	4,040.242	20,218.81	3,840.056	4.0044
37	64,017.373	1,928,032.52	44,927.942	29.1173	92	3,382.509	16,178.57	3,222.325	3.7830
38	63,106.051	1,864,015.15	44,650.455	28.5378	93	2,791.708	12,796.06	2,665.014	3.5836
39	62,193.610	1,800,909.10	44,362.827	27.9565	94	2,276.244	10,004.35	2,177.191	3.3951
40	61,280.961	1,738,715.49	44,065.956	27.3728	95	1,837.548	7,728.11	1,761.033	3.2057
41	60,366.987	1,677,434.53	43,758.724	26.7873	96	1,466.655	5,890.56	1,408.332	3.0163
42	59,451.278	1,617,067.54	43,440.708	26.1999	97	1,153.139	4,423.91	1,109.338	2.8364
43	58,531.486	1,557,616.27	43,109.543	25.6116	95	892.587	3,270.77	860.203	2.6644
44	57,607.944	1,499,084.78	42,765.521	25.0222	99	679.718	2,378.18	656.172	2.4988
45	56,677.141	1,441,476.83	42,405.094	24.4331	100	508.604	1,698.46	491.788	2.3395
46	55,738.243	1,384,799.69	42,027.355	23.8447	101	373.431	1,189.86	361.650	2.1863
47	54,787.949	1,329,061.45	41,628.925	23.2583	102	268.641	816.43	260.558	2.0391
48	53,824.337	1,274,273.50	41,207.768	22.6747	103	189.041	547.79	183.617	1.8977
49	52,847.415	1,220,449.16	40,763.760	22.0938	104	129.886	358.74	126.334	1.7620
50	51,856.591	1,167,601.75	40,296.178	21.5160	105	86.959	228.86	84.693	1.6318
51	50,850.708	1,115,745.16	39,803.727	20.9416	106	56.603	141.90	55.198	1.5069
52	49,828.665	1,064,894.45	39,285.156	20.3711	107	35.730	85.30	34.885	1.3873
53	48,788.827	1,015,065.78	38,738.671	19.8053	108	21.810	49.57	21.319	1.2727
54	47,729.637	966,276.96	38,162.538	19.2448	109	12.833	27.76	12.558	1.1629

**Table 10.B. -- Actuarial Functions at 2.0 Percent Interest for 1989-91 United States
Total Black Population**

x	D_x	N_x	M_x	a_x	x	D_x	N_x	M_x	a_x
0	100,000.000	3,688,994.32	27,666.778	35.8899	55	27,134.020	473,588.46	17,847.972	16.4537
1	96,261.765	3,588,994.32	25,889.327	36.2837	56	26,233.805	446,454.44	17,479.797	16.0183
2	94,257.017	3,492,732.56	25,772.064	36.0554	57	25,336.791	420,220.63	17,097.170	15.5854
3	92,337.223	3,398,475.54	25,700.448	35.8050	58	24,441.719	394,883.84	16,698.898	15.1561
4	90,473.106	3,306,138.32	25,646.865	35.5428	59	23,548.069	370,442.12	16,284.498	14.7313
5	88,656.555	3,215,665.21	25,604.296	35.2710	60	22,655.990	346,894.05	15,854.146	14.3114
6	86,881.784	3,127,008.65	25,567.889	34.9915	61	21,767.131	324,238.06	15,409.522	13.8958
7	85,146.009	3,040,126.87	25,535.678	34.7049	62	20,883.620	302,470.93	14,952.817	13.4836
8	83,448.314	2,954,980.86	25,507.513	34.4109	63	20,005.422	281,587.31	14,484.102	13.0755
9	81,788.643	2,871,532.55	25,484.084	34.1092	64	19,131.108	261,581.89	14,002.051	12.6731
10	80,164.436	2,789,743.90	25,463.575	33.8003	65	18,261.857	242,450.78	13,507.920	12.2763
11	78,575.695	2,709,579.47	25,446.685	33.4837	66	17,398.230	224,188.93	13,002.369	11.8857
12	77,017.648	2,631,003.77	25,429.339	33.1611	67	16,543.141	206,790.70	12,488.422	11.5001
13	75,484.307	2,553,986.13	25,406.148	32.8347	68	15,699.289	190,247.55	11,968.945	11.1182
14	73,970.876	2,478,501.82	25,372.801	32.5065	69	14,867.887	174,548.26	11,445.372	10.7400
15	72,472.914	2,404,530.94	25,325.248	32.1783	70	14,049.552	159,680.38	10,918.564	10.3655
16	70,989.230	2,332,058.03	25,262.602	31.8509	71	13,243.374	145,630.83	10,387.868	9.9965
17	69,520.155	2,261,068.80	25,185.472	31.5239	72	12,449.232	132,387.45	9,853.399	9.6342
18	68,069.494	2,191,548.64	25,097.952	31.1958	73	11,668.417	119,938.22	9,316.687	9.2789
19	66,638.012	2,123,479.15	25,001.166	30.8659	74	10,904.659	108,269.80	8,781.722	8.9288
20	65,227.746	2,056,841.14	24,897.528	30.5332	75	10,161.611	97,365.14	8,252.490	8.5817
21	63,838.588	1,991,613.39	24,787.345	30.1976	76	9,442.621	87,203.53	7,732.747	8.2351
22	62,469.127	1,927,774.80	24,669.621	29.8596	77	8,748.790	77,760.91	7,224.066	7.8882
23	61,121.850	1,865,305.68	24,547.229	29.5178	78	8,078.752	69,012.12	6,725.573	7.5424
24	59,797.794	1,804,183.83	24,421.641	29.1714	79	7,429.743	60,933.37	6,234.971	7.2013
25	58,497.897	1,744,386.03	24,294.249	28.8196	80	6,799.182	53,503.63	5,750.092	6.8691
26	57,223.595	1,685,888.14	24,166.965	28.4614	81	6,184.662	46,704.45	5,268.888	6.5517
27	55,972.674	1,628,664.54	24,038.075	28.0975	82	5,588.274	40,519.78	4,793.769	6.2509
28	54,743.639	1,572,691.87	23,906.543	27.7283	83	5,014.636	34,931.51	4,329.704	5.9659
29	53,533.961	1,517,948.23	23,770.270	27.3549	84	4,471.767	29,916.87	3,885.162	5.6902
30	52,341.289	1,464,414.27	23,627.284	26.9782	85	3,966.651	25,445.11	3,467.727	5.4148
31	51,165.605	1,412,072.98	23,477.900	26.5981	86	3,499.476	21,478.46	3,078.330	5.1376
32	50,007.413	1,360,907.37	23,322.955	26.2141	87	3,067.310	17,978.98	2,714.781	4.8615
33	48,866.125	1,310,899.96	23,162.204	25.8264	88	2,668.077	14,911.67	2,375.691	4.5889
34	47,741.186	1,262,033.84	22,995.425	25.4349	89	2,299.454	12,243.59	2,059.383	4.3246
35	46,632.575	1,214,292.65	22,822.915	25.0396	90	1,959.572	9,944.14	1,764.589	4.0746
36	45,539.770	1,167,660.07	22,644.474	24.6404	91	1,648.302	7,984.57	1,491.742	3.8441
37	44,461.317	1,122,120.30	22,458.958	24.2381	92	1,366.437	6,336.26	1,242.196	3.6371
38	43,398.696	1,077,658.99	22,268.128	23.8316	93	1,116.713	4,969.83	1,019.266	3.4504
39	42,351.875	1,034,260.29	22,072.262	23.4206	94	901.596	3,853.11	826.044	3.2737
40	41,321.269	991,908.42	21,872.084	23.0048	95	720.697	2,951.52	662.825	3.0954
41	40,305.915	950,587.15	21,666.951	22.5843	96	569.591	2,230.82	525.850	2.9165
42	39,305.351	910,281.23	21,456.699	22.1592	97	443.444	1,661.23	410.870	2.7462
43	38,317.859	870,975.88	21,239.901	21.7303	98	339.882	1,217.79	316.004	2.5830
44	37,343.521	832,658.02	21,016.893	21.2973	99	256.288	877.90	239.074	2.4255
45	36,379.944	795,314.50	20,785.542	20.8613	100	189.889	621.62	177.701	2.2736
46	35,426.526	758,934.56	20,545.456	20.4228	101	138.055	431.73	129.590	2.1272
47	34,481.134	723,508.03	20,294.702	19.9827	102	98.341	293.67	92.583	1.9863
48	33,542.574	689,026.90	20,032.243	19.5419	103	68.524	195.33	64.694	1.8506
49	32,610.890	655,484.32	19,758.256	19.1002	104	46.620	126.81	44.133	1.7201
50	31,685.755	622,873.43	19,472.551	18.6578	105	30.906	80.19	29.334	1.5946
51	30,766.515	591,187.68	19,174.600	18.2153	106	19.920	49.28	18.953	1.4741
52	29,852.572	560,421.16	18,863.922	17.7730	107	12.451	29.36	11.875	1.3583
53	28,943.036	530,568.59	18,539.730	17.3315	108	7.526	16.91	7.194	1.2472
54	28,037.097	501,625.55	18,201.301	16.8915	109	4.385	9.39	4.201	1.1407

**Table 10.C. -- Actuarial Functions at 3.0 Percent Interest for 1989-91 United States
Total Black Population**

x	D_x	N_x	M_x	a_x	x	D_x	N_x	M_x	a_x
0	100,000.000	2,883,119.27	16,025.652	27.8312	55	15,866.321	247,822.61	8,648.186	14.6194
1	95,327.184	2,783,119.27	14,265.458	28.1954	56	15,190.999	231,956.29	8,434.990	14.2693
2	92,435.668	2,687,792.09	14,150.461	28.0774	57	14,529.129	216,765.29	8,215.577	13.9194
3	89,673.816	2,595,356.42	14,080.911	27.9422	58	13,879.783	202,236.16	7,989.409	13.5706
4	87,010.425	2,505,682.60	14,029.378	27.7975	59	13,242.476	188,356.38	7,756.367	13.2237
5	84,435.598	2,418,672.18	13,988.836	27.6452	60	12,617.109	175,113.90	7,516.704	12.8791
6	81,941.972	2,334,236.58	13,954.499	27.4865	61	12,004.414	162,496.80	7,271.498	12.5364
7	79,525.228	2,252,294.61	13,924.415	27.3218	62	11,405.347	150,492.38	7,022.074	12.1949
8	77,182.909	2,172,769.38	13,898.364	27.1509	63	10,819.654	139,087.03	6,768.575	11.8550
9	74,913.404	2,095,586.47	13,876.904	26.9735	64	10,246.339	128,267.38	6,510.396	11.5184
10	72,712.857	2,020,673.07	13,858.302	26.7898	65	9,685.822	118,021.04	6,248.316	11.1849
11	70,579.836	1,947,960.21	13,843.131	26.5994	66	9,138.177	108,335.22	5,982.782	10.8552
12	68,508.683	1,877,380.37	13,827.701	26.4035	67	8,604.694	99,197.04	5,715.460	10.5282
13	66,492.855	1,808,871.69	13,807.272	26.2040	68	8,086.496	90,592.35	5,447.884	10.2029
14	64,527.081	1,742,378.84	13,778.183	26.0023	69	7,583.900	82,505.85	5,180.817	9.8791
15	62,606.572	1,677,851.75	13,737.104	25.7999	70	7,096.901	74,921.95	4,914.708	9.5570
16	60,729.488	1,615,245.18	13,683.512	25.5974	71	6,624.726	67,825.05	4,649.239	9.2382
17	58,895.326	1,554,515.69	13,618.170	25.3946	72	6,167.011	61,200.32	4,384.477	8.9238
18	57,106.504	1,495,620.37	13,544.745	25.1900	73	5,724.098	55,033.31	4,121.186	8.6143
19	55,362.797	1,438,513.87	13,464.335	24.9834	74	5,297.490	49,309.21	3,861.300	8.3080
20	53,665.022	1,383,151.07	13,379.069	24.7738	75	4,888.590	44,011.72	3,606.695	8.0029
21	52,012.193	1,329,486.05	13,289.298	24.5610	76	4,498.591	39,123.14	3,359.082	7.6968
22	50,402.290	1,277,473.85	13,194.314	24.3456	77	4,127.575	34,624.54	3,119.093	7.3886
23	48,836.471	1,227,071.56	13,096.522	24.1261	78	3,774.454	30,496.97	2,886.193	7.0798
24	47,314.679	1,178,235.09	12,997.152	23.9021	79	3,437.531	26,722.52	2,659.205	6.7738
25	45,836.762	1,130,920.41	12,897.332	23.6728	80	3,115.247	23,284.98	2,437.043	6.4745
26	44,402.943	1,085,083.65	12,798.565	23.4372	81	2,806.174	20,169.74	2,218.706	6.1876
27	43,010.612	1,040,680.71	12,699.524	23.1959	82	2,510.957	17,363.56	2,005.223	5.9151
28	41,657.785	997,670.10	12,599.433	22.9492	83	2,231.331	14,852.61	1,798.731	5.6564
29	40,341.760	956,012.31	12,496.741	22.6978	84	1,970.456	12,621.27	1,602.846	5.4053
30	39,060.053	915,670.55	12,390.037	22.4426	85	1,730.910	10,650.82	1,420.692	5.1533
31	37,811.985	876,610.50	12,279.640	22.1834	86	1,512.225	8,919.91	1,252.422	4.8985
32	36,597.270	838,798.51	12,166.246	21.9197	87	1,312.605	7,407.68	1,096.847	4.6435
33	35,414.829	802,201.24	12,049.745	21.6516	88	1,130.675	6,095.08	953.148	4.3907
34	34,263.633	766,786.41	11,930.048	21.3790	89	964.999	4,964.40	820.405	4.1445
35	33,143.056	732,522.78	11,807.441	21.1018	90	814.379	3,999.40	697.891	3.9110
36	32,052.132	699,379.72	11,681.849	20.8201	91	678.367	3,185.03	585.600	3.6951
37	30,989.271	667,327.59	11,552.546	20.5341	92	556.904	2,506.66	483.895	3.5011
38	29,954.955	636,338.32	11,420.829	20.2432	93	450.709	1,949.75	393.920	3.3260
39	28,948.601	606,383.37	11,286.949	19.9469	94	360.354	1,499.05	316.692	3.1599
40	27,969.940	577,434.77	11,151.451	19.6448	95	285.255	1,138.69	252.089	2.9918
41	27,017.777	549,464.83	11,013.947	19.3372	96	223.258	853.44	198.400	2.8227
42	26,091.284	522,447.05	10,874.380	19.0238	97	172.125	630.18	153.770	2.6612
43	25,188.828	496,355.76	10,731.864	18.7054	98	130.646	458.05	117.305	2.5061
44	24,309.999	471,166.94	10,586.690	18.3816	99	97.557	327.41	88.021	2.3561
45	23,452.797	446,856.94	10,437.546	18.0535	100	71.581	229.85	64.886	2.2111
46	22,616.434	423,404.14	10,284.275	17.7211	101	51.536	158.27	46.926	2.0711
47	21,799.175	400,787.71	10,125.746	17.3855	102	36.354	106.73	33.246	1.9360
48	20,999.930	378,988.53	9,961.429	17.0471	103	25.086	70.38	23.036	1.8056
49	20,218.412	357,988.60	9,791.560	16.7061	104	16.901	45.29	15.582	1.6800
50	19,454.112	337,770.19	9,616.146	16.3624	105	11.096	28.39	10.269	1.5590
51	18,706.331	318,316.08	9,434.989	16.0165	106	7.082	17.30	6.578	1.4425
52	17,974.425	299,609.75	9,247.928	15.6687	107	4.384	10.22	4.086	1.3305
53	17,257.595	281,635.32	9,054.625	15.3195	108	2.624	5.83	2.454	1.2228
54	16,555.114	264,377.73	8,854.792	14.9696	109	1.514	3.21	1.420	1.1193

**Table 10.D. -- Actuarial Functions at 4.0 Percent Interest for 1989-91 United States
Total Black Population**

x	D_x	N_x	M_x	a_x	x	D_x	N_x	M_x	a_x
0	100,000.000	2,339,335.38	10,025.562	22.3934	55	9,325.882	131,488.36	4,268.638	13.0993
1	94,410.577	2,239,335.38	8,282.293	22.7191	56	8,843.087	122,162.48	4,144.530	12.8145
2	90,666.605	2,144,924.80	8,169.497	22.6573	57	8,376.470	113,319.39	4,018.032	12.5283
3	87,111.864	2,054,258.20	8,101.933	22.5818	58	7,925.160	104,942.92	3,888.894	12.2417
4	83,711.829	1,967,146.33	8,052.355	22.4990	59	7,488.562	97,017.76	3,757.109	11.9555
5	80,453.513	1,883,434.51	8,013.724	22.4102	60	7,066.315	89,529.20	3,622.884	11.6699
6	77,326.744	1,802,980.99	7,981.321	22.3164	61	6,658.524	82,462.89	3,486.875	11.3846
7	74,324.522	1,725,654.25	7,953.204	22.2178	62	6,265.409	75,804.36	3,349.856	11.0989
8	71,441.773	1,651,329.73	7,929.092	22.1143	63	5,886.514	69,538.95	3,211.939	10.8133
9	68,674.340	1,579,887.95	7,909.419	22.0055	64	5,520.996	63,652.44	3,072.825	10.5292
10	66,016.131	1,511,213.61	7,892.530	21.8916	65	5,168.792	58,131.44	2,932.967	10.2466
11	63,463.407	1,445,197.48	7,878.889	21.7721	66	4,829.654	52,962.65	2,792.629	9.9661
12	61,008.766	1,381,734.07	7,865.148	21.6481	67	4,503.973	48,133.00	2,652.704	9.6868
13	58,644.258	1,320,725.31	7,847.131	21.5210	68	4,192.032	43,629.03	2,513.993	9.4076
14	56,363.301	1,262,081.05	7,821.722	21.3919	69	3,893.684	39,436.99	2,376.876	9.1285
15	54,159.944	1,205,717.75	7,786.185	21.2622	70	3,608.617	35,543.31	2,241.566	8.8496
16	52,030.953	1,151,557.81	7,740.269	21.1322	71	3,336.136	31,934.69	2,107.879	8.5724
17	49,974.319	1,099,526.85	7,684.824	21.0018	72	3,075.774	28,598.56	1,975.830	8.2980
18	47,990.526	1,049,552.53	7,623.121	20.8700	73	2,827.423	25,522.78	1,845.777	8.0269
19	46,077.812	1,001,562.01	7,556.196	20.7363	74	2,591.539	22,695.36	1,718.640	7.7575
20	44,235.305	955,484.20	7,485.913	20.6000	75	2,368.509	20,103.82	1,595.285	7.4880
21	42,460.662	911,248.89	7,412.627	20.4610	76	2,158.598	17,735.31	1,476.471	7.2161
22	40,750.763	868,788.23	7,335.832	20.3196	77	1,961.526	15,576.71	1,362.422	6.9411
23	39,105.121	828,037.47	7,257.526	20.1747	78	1,776.467	13,615.19	1,252.806	6.6642
24	37,522.274	788,932.34	7,178.722	20.0257	79	1,602.336	11,838.72	1,147.000	6.3884
25	36,000.710	751,410.07	7,100.322	19.8721	80	1,438.147	10,236.39	1,044.440	6.1178
26	34,539.240	715,409.36	7,023.496	19.7129	81	1,283.008	8,798.24	944.614	5.8575
27	33,134.508	680,870.12	6,947.196	19.5487	82	1,136.993	7,515.23	847.946	5.6097
28	31,783.738	647,735.61	6,870.830	19.3795	83	1,000.660	6,378.24	755.343	5.3740
29	30,483.689	615,951.88	6,793.232	19.2059	84	875.171	5,377.58	668.341	5.1446
30	29,231.385	585,468.19	6,713.377	19.0288	85	761.386	4,502.41	588.216	4.9134
31	28,025.278	556,236.80	6,631.554	18.8477	86	658.795	3,741.02	514.910	4.6786
32	26,864.145	528,211.52	6,548.317	18.6623	87	566.333	3,082.22	447.786	4.4424
33	25,746.214	501,347.38	6,463.622	18.4727	88	483.147	2,515.89	386.382	4.2073
34	24,669.793	475,601.17	6,377.441	18.2787	89	408.388	2,032.74	330.205	3.9775
35	23,633.527	450,931.37	6,290.012	18.0802	90	341.331	1,624.36	278.856	3.7589
36	22,635.850	427,297.85	6,201.317	17.8770	91	281.591	1,283.02	232.244	3.5563
37	21,674.801	404,662.00	6,110.878	17.6697	92	228.949	1,001.43	190.432	3.3741
38	20,749.915	382,987.19	6,019.638	17.4573	93	183.509	772.48	153.798	3.2095
39	19,859.994	362,237.28	5,927.791	17.2395	94	145.310	588.98	122.657	3.0533
40	19,004.084	342,377.29	5,835.727	17.0160	95	113.921	443.67	96.856	2.8945
41	18,180.629	323,373.20	5,743.199	16.7867	96	88.304	329.75	75.621	2.7342
42	17,388.361	305,192.57	5,650.185	16.5515	97	67.425	241.44	58.139	2.5809
43	16,625.512	287,804.21	5,556.119	16.3110	98	50.685	174.02	43.992	2.4333
44	15,891.171	271,178.70	5,461.221	16.0647	99	37.484	123.33	32.740	2.2903
45	15,183.416	255,287.53	5,364.665	15.8136	100	27.239	85.85	23.937	2.1517
46	14,501.164	240,104.11	5,266.390	15.5576	101	19.422	58.61	17.168	2.0176
47	13,842.759	225,602.95	5,165.723	15.2975	102	13.569	39.19	12.062	1.8880
48	13,207.005	211,760.19	5,062.382	15.0339	103	9.273	25.62	8.288	1.7627
49	12,593.239	198,553.18	4,956.578	14.7666	104	6.188	16.35	5.559	1.6416
50	12,000.675	185,959.95	4,848.370	14.4958	105	4.023	10.16	3.632	1.5249
51	11,428.435	173,959.27	4,737.694	14.2216	106	2.543	6.13	2.307	1.4122
52	10,875.696	162,530.84	4,624.510	13.9444	107	1.559	3.59	1.421	1.3037
53	10,341.564	151,655.14	4,508.674	13.6646	108	0.924	2.03	0.846	1.1992
54	9,825.213	141,313.58	4,390.076	13.3827	109	0.528	1.11	0.485	1.0987

**Table 10.E. -- Actuarial Functions at 5.0 Percent Interest for 1989-91 United States
Total Black Population**

x	D_x	N_x	M_x	a_x	x	D_x	N_x	M_x	a_x
0	100,000.000	1,957,053.07	6,806.997	18.5705	55	5,509.499	70,670.33	2,144.246	11.8270
1	93,511.429	1,857,053.07	5,080.330	18.8591	56	5,174.521	65,160.83	2,071.624	11.5926
2	88,947.846	1,763,541.64	4,969.672	18.8267	57	4,854.800	59,986.31	1,998.309	11.3561
3	84,646.582	1,674,593.80	4,904.021	18.7834	58	4,549.486	55,131.51	1,924.176	11.1182
4	80,568.076	1,589,947.21	4,856.304	18.7342	59	4,257.913	50,582.02	1,849.245	10.8795
5	76,694.675	1,509,379.14	4,819.478	18.6804	60	3,979.563	46,324.11	1,773.653	10.6405
6	73,011.953	1,432,684.46	4,788.883	18.6226	61	3,714.193	42,344.55	1,697.786	10.4007
7	69,508.898	1,359,672.51	4,762.588	18.5611	62	3,461.624	38,630.35	1,622.083	10.1596
8	66,176.615	1,290,163.61	4,740.253	18.4958	63	3,221.311	35,168.73	1,546.610	9.9175
9	63,007.299	1,223,987.00	4,722.203	18.4261	64	2,992.512	31,947.42	1,471.207	9.6758
10	59,991.603	1,160,979.70	4,706.856	18.3524	65	2,774.928	28,954.91	1,396.123	9.4345
11	57,122.582	1,100,988.09	4,694.577	18.2741	66	2,568.163	26,179.98	1,321.498	9.1940
12	54,390.208	1,043,865.51	4,682.327	18.1922	67	2,372.174	23,611.82	1,247.801	8.9537
13	51,784.289	989,475.30	4,666.417	18.1076	68	2,186.852	21,239.64	1,175.440	8.7124
14	49,296.147	937,691.01	4,644.194	18.0216	69	2,011.868	19,052.79	1,104.592	8.4702
15	46,917.927	888,394.87	4,613.409	17.9351	70	1,846.816	17,040.92	1,035.343	8.2272
16	44,644.342	841,476.94	4,574.012	17.8485	71	1,691.105	15,194.11	967.576	7.9847
17	42,471.301	796,832.60	4,526.892	17.7617	72	1,544.278	13,503.00	901.278	7.7439
18	40,396.918	754,361.30	4,474.952	17.6737	73	1,406.066	11,958.72	836.603	7.5051
19	38,417.457	713,964.38	4,419.153	17.5844	74	1,276.488	10,552.66	773.980	7.2669
20	36,530.013	675,546.92	4,361.112	17.4929	75	1,155.521	9,276.17	713.799	7.0277
21	34,730.545	639,016.91	4,301.169	17.3993	76	1,043.083	8,120.65	656.385	6.7852
22	33,014.493	604,286.36	4,238.952	17.3037	77	938.826	7,077.57	601.799	6.5387
23	31,379.539	571,271.87	4,176.117	17.2052	78	842.156	6,138.74	549.835	6.2893
24	29,822.642	539,892.33	4,113.483	17.1034	79	752.372	5,296.58	500.154	6.0398
25	28,340.798	510,069.69	4,051.765	16.9977	80	668.847	4,544.21	452.456	5.7941
26	26,931.332	481,728.89	3,991.860	16.8873	81	591.012	3,875.37	406.471	5.5572
27	25,589.961	454,797.56	3,932.934	16.7725	82	518.763	3,284.35	362.366	5.3311
28	24,312.975	429,207.60	3,874.517	16.6534	83	452.212	2,765.59	320.517	5.1157
29	23,096.421	404,894.63	3,815.724	16.5306	84	391.735	2,313.38	281.574	4.9055
30	21,936.665	381,798.21	3,755.798	16.4046	85	337.558	1,921.64	246.051	4.6928
31	20,831.242	359,861.54	3,694.978	16.2751	86	289.293	1,584.09	213.860	4.4757
32	19,777.997	339,030.30	3,633.697	16.1418	87	246.322	1,294.79	184.665	4.2565
33	18,774.427	319,252.30	3,571.937	16.0046	88	208.140	1,048.47	158.213	4.0373
34	17,818.161	300,477.87	3,509.691	15.8636	89	174.258	840.33	134.242	3.8223
35	16,907.132	282,659.71	3,447.146	15.7184	90	144.258	666.07	112.540	3.6172
36	16,039.183	265,752.58	3,384.298	15.5690	91	117.876	521.81	93.028	3.4268
37	15,211.940	249,713.40	3,320.826	15.4156	92	94.927	403.94	75.692	3.2552
38	14,424.137	234,501.46	3,257.401	15.2576	93	75.362	309.01	60.647	3.1004
39	13,674.035	220,077.32	3,194.162	15.0945	94	59.106	233.65	47.980	2.9530
40	12,960.106	206,403.29	3,131.378	14.9260	95	45.897	174.54	37.586	2.8029
41	12,280.458	193,443.18	3,068.878	14.7521	96	35.238	128.65	29.112	2.6508
42	11,633.445	181,162.72	3,006.649	14.5726	97	26.650	93.41	22.202	2.5050
43	11,017.137	169,529.28	2,944.315	14.3878	98	19.842	66.76	16.663	2.3644
44	10,430.225	158,512.14	2,882.028	14.1974	99	14.535	46.92	12.301	2.2278
45	9,870.776	148,081.91	2,819.256	14.0021	100	10.461	32.38	8.919	2.0953
46	9,337.459	138,211.14	2,755.976	13.8018	101	7.388	21.92	6.345	1.9668
47	8,828.614	128,873.68	2,691.773	13.5973	102	5.113	14.53	4.421	1.8422
48	8,342.924	120,045.06	2,626.492	13.3888	103	3.461	9.42	3.012	1.7216
49	7,879.441	111,702.14	2,560.291	13.1764	104	2.287	5.96	2.003	1.6049
50	7,437.170	103,822.70	2,493.232	12.9600	105	1.473	3.67	1.298	1.4921
51	7,015.083	96,385.53	2,425.296	12.7398	106	0.922	2.20	0.818	1.3832
52	6,612.218	89,370.45	2,356.482	12.5160	107	0.560	1.28	0.499	1.2780
53	6,227.595	82,758.23	2,286.727	12.2890	108	0.329	0.72	0.295	1.1765
54	5,860.304	76,530.63	2,215.988	12.0592	109	0.186	0.39	0.168	1.0788

**Table 10.F. -- Actuarial Functions at 6.0 Percent Interest for 1989-91 United States
Total Black Population**

x	D_x	N_x	M_x	a_x	x	D_x	N_x	M_x	a_x
0	100,000.000	1,678,233.22	5,005.667	15.7823	55	3,271.154	38,443.14	1,095.127	10.7522
1	92,629.245	1,578,233.22	3,295.290	16.0382	56	3,043.284	35,171.99	1,052.417	10.5572
2	87,277.501	1,485,603.97	3,186.710	16.0216	57	2,828.310	32,128.70	1,009.705	10.3597
3	82,273.454	1,398,326.47	3,122.899	15.9961	58	2,625.437	29,300.39	966.924	10.1602
4	77,570.525	1,316,053.02	3,076.958	15.9659	59	2,433.993	26,674.96	924.090	9.9593
5	73,144.619	1,238,482.49	3,041.836	15.9320	60	2,253.416	24,240.96	881.286	9.7574
6	68,975.454	1,165,337.87	3,012.933	15.8950	61	2,083.310	21,987.55	838.732	9.5541
7	65,046.576	1,096,362.42	2,988.326	15.8550	62	1,923.325	19,904.24	796.671	9.3489
8	61,343.990	1,031,315.84	2,967.621	15.8120	63	1,772.920	17,980.91	755.132	9.1420
9	57,855.115	969,971.85	2,951.048	15.7655	64	1,631.457	16,207.99	714.024	8.9347
10	54,566.338	912,116.74	2,937.088	15.7157	65	1,498.563	14,576.54	673.476	8.7270
11	51,466.614	857,550.40	2,926.026	15.6623	66	1,373.818	13,077.97	633.556	8.5194
12	48,542.477	806,083.78	2,915.092	15.6057	67	1,257.004	11,704.15	594.504	8.3112
13	45,780.724	757,541.31	2,901.027	15.5472	68	1,147.870	10,447.15	556.522	8.1013
14	43,169.901	711,760.58	2,881.566	15.4874	69	1,046.060	9,299.28	519.685	7.8898
15	40,699.617	668,590.68	2,854.861	15.4274	70	951.183	8,253.22	484.019	7.6768
16	38,362.011	627,891.07	2,821.008	15.3675	71	862.769	7,302.04	449.446	7.4635
17	36,150.469	589,529.05	2,780.900	15.3076	72	780.428	6,439.27	415.941	7.2510
18	34,060.423	553,378.59	2,737.107	15.2470	73	703.876	5,658.84	383.564	7.0395
19	32,085.873	519,318.16	2,690.505	15.1853	74	632.981	4,954.97	352.511	6.8280
20	30,221.673	487,232.29	2,642.487	15.1219	75	567.591	4,321.98	322.950	6.6146
21	28,461.888	457,010.62	2,593.363	15.0569	76	507.528	3,754.39	295.015	6.3974
22	26,800.332	428,548.73	2,542.857	14.9904	77	452.491	3,246.87	268.706	6.1755
23	25,232.805	401,748.40	2,492.330	14.9217	78	402.069	2,794.38	243.896	5.9500
24	23,754.644	376,515.59	2,442.441	14.8502	79	355.815	2,392.31	220.401	5.7235
25	22,361.345	352,760.95	2,393.744	14.7755	80	313.329	2,036.49	198.056	5.4995
26	21,048.789	330,399.60	2,346.924	14.6968	81	274.255	1,723.16	176.718	5.2831
27	19,811.727	309,350.81	2,301.303	14.6145	82	238.457	1,448.91	156.444	5.0762
28	18,645.509	289,539.09	2,256.504	14.5286	83	205.905	1,210.45	137.389	4.8787
29	17,545.440	270,893.58	2,211.841	14.4395	84	176.686	1,004.54	119.824	4.6855
30	16,507.207	253,348.14	2,166.747	14.3477	85	150.813	827.86	103.953	4.4893
31	15,527.503	236,840.93	2,121.412	14.2530	86	128.030	677.05	89.707	4.2882
32	14,603.340	221,313.43	2,076.165	14.1550	87	107.985	549.02	76.908	4.0842
33	13,731.564	206,710.09	2,030.993	14.0536	88	90.385	441.03	65.421	3.8795
34	12,909.209	192,978.52	1,985.896	13.9489	89	74.958	350.65	55.110	3.6779
35	12,133.613	180,069.31	1,941.010	13.8405	90	61.468	275.69	45.863	3.4851
36	11,402.127	167,935.70	1,896.332	13.7285	91	49.753	214.22	37.627	3.3057
37	10,712.027	156,533.57	1,851.636	13.6129	92	39.689	164.47	30.379	3.1439
38	10,061.444	145,821.55	1,807.394	13.4931	93	31.211	124.78	24.148	2.9978
39	9,448.233	135,760.10	1,763.699	13.3688	94	24.248	93.57	18.952	2.8587
40	8,870.455	126,311.87	1,720.727	13.2396	95	18.651	69.32	14.728	2.7165
41	8,325.980	117,441.42	1,678.352	13.1054	96	14.185	50.67	11.317	2.5720
42	7,812.905	109,115.44	1,636.560	12.9661	97	10.626	36.48	8.561	2.4332
43	7,329.197	101,302.53	1,595.092	12.8218	98	7.837	25.86	6.374	2.2991
44	6,873.291	93,973.33	1,554.046	12.6722	99	5.687	18.02	4.667	2.1685
45	6,443.262	87,100.04	1,513.071	12.5180	100	4.054	12.33	3.356	2.0416
46	6,037.632	80,656.78	1,472.154	12.3590	101	2.836	8.28	2.368	1.9182
47	5,654.757	74,619.15	1,431.032	12.1958	102	1.944	5.44	1.636	1.7985
48	5,293.258	68,964.39	1,389.614	12.0287	103	1.304	3.50	1.106	1.6823
49	4,952.035	63,671.13	1,348.008	11.8576	104	0.853	2.19	0.729	1.5698
50	4,629.983	58,719.10	1,306.260	11.6824	105	0.544	1.34	0.469	1.4607
51	4,326.014	54,089.11	1,264.366	11.5032	106	0.338	0.80	0.293	1.3552
52	4,039.110	49,763.10	1,222.331	11.3203	107	0.203	0.46	0.177	1.2532
53	3,768.273	45,723.99	1,180.122	11.1339	108	0.118	0.25	0.104	1.1547
54	3,512.575	41,955.72	1,137.723	10.9444	109	0.066	0.14	0.059	1.0595

**Table 10.G. -- Actuarial Functions at 7.0 Percent Interest for 1989-91 United States
Total Black Population**

x	D_x	N_x	M_x	a_x	x	D_x	N_x	M_x	a_x
0	100,000.000	1,468,168.13	3,951.618	13.6817	55	1,951.712	21,149.14	568.124	9.8362
1	91,763.551	1,368,168.13	2,257.225	13.9097	56	1,798.785	19,197.42	542.879	9.6724
2	85,653.769	1,276,404.58	2,150.666	13.9019	57	1,656.098	17,398.64	517.869	9.5058
3	79,988.213	1,190,750.81	2,088.627	13.8866	58	1,522.939	15,742.54	493.054	9.3369
4	74,711.091	1,110,762.60	2,044.379	13.8674	59	1,398.693	14,219.60	468.439	9.1663
5	69,789.939	1,036,051.51	2,010.869	13.8453	60	1,282.823	12,820.91	444.072	8.9943
6	65,196.922	966,261.57	1,983.549	13.8207	61	1,174.901	11,538.08	420.073	8.8205
7	60,908.661	901,064.64	1,960.507	13.7937	62	1,074.539	10,363.18	396.574	8.6443
8	56,904.776	840,155.98	1,941.301	13.7642	63	981.252	9,288.64	373.584	8.4661
9	53,166.804	783,251.21	1,926.070	13.7320	64	894.519	8,307.39	351.044	8.2870
10	49,675.893	730,084.40	1,913.362	13.6970	65	813.974	7,412.87	329.020	8.1070
11	46,416.091	680,408.51	1,903.385	13.6589	66	739.243	6,598.90	307.539	7.9266
12	43,369.756	633,992.42	1,893.617	13.6183	67	670.064	5,859.66	286.722	7.7449
13	40,520.033	590,622.66	1,881.168	13.5761	68	606.170	5,189.59	266.664	7.5613
14	37,852.126	550,102.63	1,864.104	13.5329	69	547.243	4,583.42	247.393	7.3755
15	35,352.622	512,250.50	1,840.907	13.4897	70	492.958	4,036.18	228.909	7.1877
16	33,010.703	476,897.88	1,811.776	13.4468	71	442.958	3,543.22	211.159	6.9990
17	30,816.934	443,887.18	1,777.586	13.4040	72	396.938	3,100.26	194.117	6.8104
18	28,763.890	413,070.24	1,740.603	13.3607	73	354.657	2,703.32	177.804	6.6224
19	26,843.152	384,306.36	1,701.615	13.3167	74	315.955	2,348.67	162.304	6.4336
20	25,047.262	357,463.20	1,661.819	13.2715	75	280.667	2,032.71	147.686	6.2424
21	23,368.323	332,415.94	1,621.486	13.2251	76	248.621	1,752.04	134.002	6.0470
22	21,798.475	309,047.62	1,580.406	13.1775	77	219.589	1,503.42	121.234	5.8465
23	20,331.693	287,249.14	1,539.693	13.1281	78	193.296	1,283.83	109.307	5.6418
24	18,961.759	266,917.45	1,499.870	13.0766	79	169.461	1,090.54	98.117	5.4353
25	17,682.762	247,955.69	1,461.362	13.0225	80	147.832	921.08	87.574	5.2306
26	16,489.268	230,272.93	1,424.684	12.9650	81	128.187	773.25	77.601	5.0322
27	15,375.126	213,783.66	1,389.279	12.9045	82	110.413	645.06	68.213	4.8422
28	14,334.835	198,408.53	1,354.837	12.8410	83	94.450	534.65	59.473	4.6606
29	13,363.026	184,073.70	1,320.821	12.7749	84	80.289	440.20	51.491	4.4826
30	12,454.785	170,710.67	1,286.797	12.7064	85	67.892	359.91	44.347	4.3012
31	11,606.101	158,255.89	1,252.912	12.6356	86	57.097	292.02	37.993	4.1144
32	10,813.319	146,649.79	1,219.407	12.5620	87	47.707	234.92	32.339	3.9242
33	10,072.770	135,836.47	1,186.272	12.4855	88	39.559	187.21	27.311	3.7325
34	9,381.032	125,763.70	1,153.500	12.4062	89	32.500	147.65	22.841	3.5431
35	8,735.006	116,382.67	1,121.186	12.3237	90	26.402	115.15	18.869	3.3615
36	8,131.694	107,647.66	1,089.323	12.2380	91	21.170	88.75	15.364	3.1922
37	7,568.136	99,515.97	1,057.745	12.1493	92	16.730	67.58	12.309	3.0394
38	7,042.059	91,947.83	1,026.780	12.0570	93	13.034	50.85	9.707	2.9014
39	6,551.067	84,905.77	996.483	11.9606	94	10.031	37.82	7.557	2.7699
40	6,092.975	78,354.71	966.966	11.8598	95	7.644	27.79	5.826	2.6350
41	5,665.535	72,261.73	938.132	11.7546	96	5.759	20.14	4.441	2.4974
42	5,266.720	66,596.20	909.959	11.6447	97	4.274	14.38	3.333	2.3651
43	4,894.476	61,329.48	882.267	11.5303	98	3.123	10.11	2.461	2.2370
44	4,547.122	56,435.00	855.113	11.4111	99	2.245	6.99	1.788	2.1121
45	4,222.793	51,887.88	828.259	11.2876	100	1.585	4.74	1.275	1.9904
46	3,919.970	47,665.09	801.693	11.1596	101	1.099	3.16	0.892	1.8719
47	3,637.073	43,745.12	775.243	11.0276	102	0.746	2.06	0.612	1.7567
48	3,372.743	40,108.04	748.853	10.8918	103	0.496	1.31	0.410	1.6447
49	3,125.834	36,735.30	722.590	10.7522	104	0.321	0.82	0.268	1.5360
50	2,895.235	33,609.47	696.485	10.6085	105	0.203	0.49	0.171	1.4305
51	2,679.874	30,714.23	670.532	10.4611	106	0.125	0.29	0.106	1.3283
52	2,478.759	28,034.36	644.735	10.3098	107	0.074	0.17	0.064	1.2293
53	2,290.936	25,555.60	619.075	10.1551	108	0.043	0.09	0.037	1.1335
54	2,115.526	23,264.66	593.539	9.9971	109	0.024	0.05	0.021	1.0409

**Table 10.H. -- Actuarial Functions at 8.0 Percent Interest for 1989-91 United States
Total Black Population**

x	D_x	N_x	M_x	a_x	x	D_x	N_x	M_x	a_x
0	100,000.000	1,305,370.80	3,305.867	12.0537	55	1,170.084	11,758.42	299.090	9.0492
1	90,913.889	1,205,370.80	1,627.163	12.2584	56	1,068.417	10,588.33	284.096	8.9103
2	84,074.931	1,114,456.91	1,522.568	12.2555	57	974.557	9,519.92	269.378	8.7685
3	77,786.827	1,030,381.98	1,462.236	12.2462	58	887.900	8,545.36	254.910	8.6242
4	71,982.209	952,595.15	1,419.605	12.2338	59	807.912	7,657.46	240.692	8.4781
5	66,618.206	880,612.94	1,387.617	12.2188	60	734.122	6,849.55	226.748	8.3303
6	61,657.687	813,994.74	1,361.780	12.2018	61	666.136	6,115.43	213.141	8.1805
7	57,068.862	752,337.05	1,340.191	12.1830	62	603.592	5,449.29	199.941	8.0281
8	52,823.710	695,268.19	1,322.362	12.1620	63	546.087	4,845.70	187.147	7.8735
9	48,896.835	642,444.48	1,308.355	12.1388	64	493.209	4,299.61	174.719	7.7176
10	45,263.268	593,547.64	1,296.775	12.1132	65	444.644	3,806.40	162.688	7.5606
11	41,901.426	548,284.38	1,287.769	12.0851	66	400.082	3,361.76	151.062	7.4027
12	38,788.881	506,382.95	1,279.032	12.0548	67	359.284	2,961.68	139.901	7.2433
13	35,904.599	467,594.07	1,268.001	12.0232	68	322.015	2,602.39	129.245	7.0816
14	33,230.019	431,689.47	1,253.021	11.9909	69	288.020	2,280.38	119.103	6.9174
15	30,748.361	398,459.45	1,232.846	11.9587	70	257.046	1,992.36	109.464	6.7510
16	28,445.602	367,711.09	1,207.743	11.9268	71	228.836	1,735.31	100.294	6.5832
17	26,309.331	339,265.49	1,178.554	11.8953	72	203.163	1,506.48	91.572	6.4151
18	24,329.211	312,956.16	1,147.273	11.8634	73	179.842	1,303.31	83.300	6.2470
19	22,494.375	288,626.95	1,114.602	11.8311	74	158.733	1,123.47	75.513	6.0777
20	20,795.085	266,132.57	1,081.561	11.7979	75	139.699	964.74	68.237	5.9058
21	19,221.533	245,337.49	1,048.386	11.7637	76	122.603	825.04	61.489	5.7294
22	17,764.238	226,115.95	1,014.908	11.7287	77	107.283	702.44	55.251	5.5475
23	16,415.498	208,351.72	982.038	11.6924	78	93.563	595.15	49.478	5.3610
24	15,167.680	191,936.22	950.182	11.6543	79	81.266	501.59	44.112	5.1722
25	14,013.630	176,768.54	919.665	11.6140	80	70.238	420.32	39.103	4.9843
26	12,946.786	162,754.91	890.867	11.5711	81	60.340	350.09	34.408	4.8019
27	11,960.223	149,808.12	863.326	11.5255	82	51.492	289.75	30.030	4.6270
28	11,047.737	137,847.90	836.781	11.4775	83	43.640	238.25	25.991	4.4596
29	10,203.413	126,800.16	810.808	11.4272	84	36.753	194.61	22.338	4.2951
30	9,421.866	116,596.75	785.069	11.3751	85	30.791	157.86	19.097	4.1269
31	8,698.553	107,174.88	759.673	11.3210	86	25.655	127.07	16.243	3.9530
32	8,029.337	98,476.33	734.794	11.2646	87	21.238	101.41	13.725	3.7752
33	7,410.195	90,446.99	710.418	11.2058	88	17.447	80.18	11.508	3.5954
34	6,837.406	83,036.80	686.532	11.1445	89	14.201	62.73	9.555	3.4172
35	6,307.597	76,199.39	663.198	11.0806	90	11.430	48.53	7.835	3.2458
36	5,817.573	69,891.79	640.403	11.0139	91	9.080	37.10	6.332	3.0857
37	5,364.259	64,074.22	618.020	10.9447	92	7.109	28.02	5.034	2.9412
38	4,945.162	58,709.96	596.276	10.8722	93	5.487	20.91	3.938	2.8106
39	4,557.775	53,764.80	575.197	10.7963	94	4.184	15.42	3.042	2.6860
40	4,199.816	49,207.03	554.851	10.7165	95	3.159	11.24	2.326	2.5579
41	3,869.028	45,007.21	535.160	10.6327	96	2.358	8.08	1.759	2.4268
42	3,563.372	41,138.18	516.099	10.5447	97	1.734	5.72	1.310	2.3005
43	3,280.856	37,574.81	497.537	10.4527	98	1.255	3.99	0.959	2.1781
44	3,019.796	34,293.95	479.503	10.3564	99	0.894	2.73	0.691	2.0584
45	2,778.438	31,274.16	461.834	10.2560	100	0.625	1.84	0.489	1.9416
46	2,555.311	28,495.72	444.517	10.1516	101	0.429	1.21	0.339	1.8277
47	2,348.946	25,940.41	427.435	10.0434	102	0.289	0.78	0.231	1.7167
48	2,158.064	23,591.46	410.548	9.9318	103	0.190	0.50	0.153	1.6087
49	1,981.559	21,433.40	393.900	9.8164	104	0.122	0.31	0.100	1.5036
50	1,818.381	19,451.84	377.504	9.6973	105	0.076	0.18	0.063	1.4015
51	1,667.537	17,633.46	361.355	9.5746	106	0.047	0.11	0.039	1.3024
52	1,528.113	15,965.92	345.452	9.4481	107	0.027	0.06	0.023	1.2063
53	1,399.246	14,437.81	329.779	9.3183	108	0.016	0.03	0.013	1.1132
54	1,280.146	13,038.56	314.327	9.1852	109	0.009	0.02	0.007	1.0230

**Table 10.I. -- Actuarial Functions at 9.0 Percent Interest for 1989-91 United States
Total Black Population**

x	D_x	N_x	M_x	a_x	x	D_x	N_x	M_x	a_x
0	100,000.000	1,176,091.73	2,891.509	10.7609	55	704.801	6,602.47	159.642	8.3679
1	90,079.817	1,076,091.73	1,228.206	10.9460	56	637.657	5,897.67	150.693	8.2490
2	82,539.349	986,011.91	1,125.521	10.9460	57	576.303	5,260.02	141.990	8.1272
3	75,665.487	903,472.56	1,066.835	10.9404	58	520.241	4,683.71	133.513	8.0030
4	69,376.789	827,807.07	1,025.747	10.9320	59	469.032	4,163.47	125.259	7.8767
5	63,617.884	758,430.28	995.200	10.9217	60	422.283	3,694.44	117.237	7.7487
6	58,340.584	694,812.40	970.753	10.9096	61	379.660	3,272.16	109.482	7.6186
7	53,503.231	636,471.82	950.513	10.8960	62	340.858	2,892.50	102.028	7.4859
8	49,068.972	582,968.58	933.951	10.8806	63	305.555	2,551.64	94.869	7.3508
9	45,004.513	533,899.61	921.059	10.8632	64	273.436	2,246.08	87.979	7.2143
10	41,277.984	488,895.10	910.499	10.8440	65	244.250	1,972.65	81.370	7.0764
11	37,861.572	447,617.12	902.361	10.8225	66	217.755	1,728.40	75.043	6.9374
12	34,727.565	409,755.54	894.539	10.7991	67	193.756	1,510.64	69.024	6.7966
13	31,850.366	375,027.98	884.753	10.7747	68	172.064	1,316.89	63.330	6.6535
14	29,207.353	343,177.61	871.587	10.7497	69	152.487	1,144.82	57.960	6.5077
15	26,778.166	313,970.26	854.016	10.7249	70	134.840	992.34	52.904	6.3594
16	24,545.464	287,192.09	832.355	10.7004	71	118.940	857.50	48.138	6.2095
17	22,493.818	262,646.63	807.399	10.6764	72	104.628	738.56	43.646	6.0589
18	20,610.031	240,152.81	780.900	10.6522	73	91.768	633.93	39.425	5.9080
19	18,880.863	219,542.78	753.477	10.6278	74	80.253	542.16	35.488	5.7556
20	17,294.414	200,661.92	725.999	10.6027	75	69.982	461.91	31.843	5.6003
21	15,839.097	183,367.50	698.661	10.5769	76	60.854	391.93	28.494	5.4404
22	14,503.949	167,528.41	671.328	10.5505	77	52.762	331.07	25.426	5.2748
23	13,279.783	153,024.46	644.736	10.5231	78	45.592	278.31	22.613	5.1043
24	12,157.754	139,744.67	619.203	10.4943	79	39.237	232.72	20.022	4.9311
25	11,129.665	127,586.92	594.965	10.4637	80	33.601	193.48	17.625	4.7582
26	10,188.040	116,457.25	572.304	10.4308	81	28.601	159.88	15.400	4.5899
27	9,325.352	106,269.21	550.830	10.3957	82	24.183	131.28	13.344	4.4284
28	8,534.862	96,943.86	530.323	10.3586	83	20.307	107.09	11.465	4.2737
29	7,810.268	88,409.00	510.442	10.3196	84	16.946	86.79	9.780	4.1214
30	7,145.862	80,598.73	490.921	10.2791	85	14.067	69.84	8.300	3.9650
31	6,536.752	73,452.87	471.836	10.2369	86	11.613	55.77	7.008	3.8028
32	5,978.496	66,916.12	453.312	10.1928	87	9.525	44.16	5.879	3.6363
33	5,466.875	60,937.62	435.328	10.1467	88	7.753	34.64	4.893	3.4674
34	4,998.021	55,470.75	417.868	10.0985	89	6.253	26.88	4.033	3.2993
35	4,568.441	50,472.73	400.968	10.0481	90	4.986	20.63	3.283	3.1373
36	4,174.871	45,904.29	384.609	9.9954	91	3.925	15.64	2.633	2.9857
37	3,814.242	41,729.41	368.694	9.9404	92	3.045	11.72	2.077	2.8487
38	3,483.985	37,915.17	353.375	9.8827	93	2.329	8.67	1.612	2.7250
39	3,181.603	34,431.19	338.661	9.8220	94	1.759	6.35	1.235	2.6068
40	2,904.829	31,249.58	324.588	9.7578	95	1.316	4.59	0.937	2.4849
41	2,651.486	28,344.75	311.094	9.6901	96	0.973	3.27	0.703	2.3599
42	2,419.613	25,693.27	298.151	9.6187	97	0.709	2.30	0.519	2.2392
43	2,207.340	23,273.66	285.662	9.5438	98	0.509	1.59	0.377	2.1220
44	2,013.061	21,066.32	273.640	9.4648	99	0.359	1.08	0.270	2.0072
45	1,835.174	19,053.25	261.970	9.3823	100	0.249	0.72	0.189	1.8950
46	1,672.313	17,218.08	250.637	9.2960	101	0.169	0.47	0.130	1.7854
47	1,523.155	15,545.77	239.560	9.2063	102	0.113	0.30	0.088	1.6785
48	1,386.541	14,022.61	228.711	9.1134	103	0.074	0.19	0.058	1.5741
49	1,261.458	12,636.07	218.112	9.0170	104	0.047	0.12	0.037	1.4725
50	1,146.959	11,374.61	207.770	8.9172	105	0.029	0.07	0.023	1.3736
51	1,042.163	10,227.65	197.678	8.8139	106	0.018	0.04	0.014	1.2775
52	946.265	9,185.49	187.830	8.7071	107	0.010	0.02	0.008	1.1841
53	858.517	8,239.23	178.214	8.5970	108	0.006	0.01	0.005	1.0935
54	778.236	7,380.71	168.820	8.4839	109	0.003	0.01	0.003	1.0056

**Table 10.J. -- Actuarial Functions at 10.0 Percent Interest for 1989-91 United States
Total Black Population**

x	D_x	N_x	M_x	a_x	x	D_x	N_x	M_x	a_x
0	100,000.000	1,071,254.39	2,613.237	9.7125	55	426.507	3,742.07	86.319	7.7738
1	89,260.909	971,254.39	965.055	9.8811	56	382.367	3,315.56	80.952	7.6711
2	81,045.455	881,993.48	864.229	9.8827	57	342.435	2,933.20	75.781	7.5657
3	73,620.586	800,948.03	807.129	9.8794	58	306.313	2,590.76	70.790	7.4579
4	66,888.191	727,327.44	767.514	9.8738	59	273.651	2,284.45	65.974	7.3480
5	60,778.263	660,439.25	738.331	9.8664	60	244.136	2,010.80	61.337	7.2364
6	55,229.823	599,660.99	715.187	9.8576	61	217.499	1,766.66	56.894	7.1226
7	50,189.943	544,431.17	696.201	9.8474	62	193.495	1,549.16	52.662	7.0062
8	45,611.826	494,241.22	680.806	9.8358	63	171.878	1,355.67	48.635	6.8874
9	41,453.422	448,629.40	668.931	9.8225	64	152.412	1,183.79	44.795	6.7670
10	37,675.290	407,175.98	659.292	9.8075	65	134.906	1,031.38	41.145	6.6451
11	34,242.903	369,500.69	651.932	9.7906	66	119.179	896.47	37.682	6.5220
12	31,122.902	335,257.78	644.922	9.7721	67	105.080	777.29	34.417	6.3971
13	28,284.858	304,134.88	636.232	9.7526	68	92.467	672.21	31.357	6.2697
14	25,701.920	275,850.02	624.646	9.7327	69	81.202	579.74	28.498	6.1395
15	23,350.061	250,148.10	609.325	9.7130	70	71.152	498.54	25.830	6.0067
16	21,208.612	226,798.04	590.608	9.6937	71	62.191	427.39	23.338	5.8722
17	19,259.189	205,589.43	569.241	9.6749	72	54.210	365.20	21.010	5.7367
18	17,485.872	186,330.24	546.759	9.6560	73	47.115	310.99	18.843	5.6006
19	15,873.192	168,844.37	523.704	9.6371	74	40.829	263.87	16.840	5.4629
20	14,407.284	152,971.18	500.813	9.6176	75	35.280	223.04	15.003	5.3222
21	13,074.964	138,563.89	478.246	9.5977	76	30.399	187.76	13.330	5.1766
22	11,863.973	125,488.93	455.888	9.5773	77	26.117	157.37	11.811	5.0254
23	10,763.876	113,624.96	434.335	9.5561	78	22.363	131.25	10.431	4.8690
24	9,764.834	102,861.08	413.826	9.5338	79	19.071	108.89	9.172	4.7096
25	8,857.832	93,096.25	394.536	9.5100	80	16.183	89.81	8.018	4.5500
26	8,034.702	84,238.41	376.665	9.4843	81	13.650	73.63	6.956	4.3944
27	7,287.494	76,203.71	359.884	9.4568	82	11.436	59.98	5.984	4.2448
28	6,609.115	68,916.22	344.004	9.4275	83	9.516	48.55	5.103	4.1014
29	5,993.030	62,307.10	328.748	9.3966	84	7.869	39.03	4.321	3.9600
30	5,433.367	56,314.07	313.905	9.3645	85	6.472	31.16	3.640	3.8144
31	4,925.045	50,880.71	299.526	9.3310	86	5.295	24.69	3.050	3.6628
32	4,463.484	45,955.66	285.696	9.2959	87	4.303	19.39	2.540	3.5066
33	4,044.408	41,492.18	272.392	9.2591	88	3.471	15.09	2.099	3.3475
34	3,663.935	37,447.77	259.592	9.2206	89	2.774	11.62	1.718	3.1887
35	3,318.573	33,783.83	247.316	9.1802	90	2.192	8.85	1.388	3.0353
36	3,005.110	30,465.26	235.541	9.1378	91	1.710	6.65	1.105	2.8915
37	2,720.566	27,460.15	224.189	9.0935	92	1.314	4.94	0.865	2.7615
38	2,462.415	24,739.59	213.361	9.0469	93	0.996	3.63	0.666	2.6441
39	2,228.254	22,277.17	203.056	8.9976	94	0.746	2.63	0.506	2.5318
40	2,015.919	20,048.92	193.290	8.9453	95	0.553	1.89	0.381	2.4157
41	1,823.374	18,033.00	184.010	8.8899	96	0.405	1.34	0.284	2.2963
42	1,648.793	16,209.62	175.191	8.8312	97	0.292	0.93	0.208	2.1809
43	1,490.470	14,560.83	166.758	8.7693	98	0.208	0.64	0.150	2.0686
44	1,346.929	13,070.36	158.714	8.7038	99	0.145	0.43	0.106	1.9584
45	1,216.743	11,723.43	150.977	8.6351	100	0.100	0.28	0.074	1.8505
46	1,098.684	10,506.69	143.531	8.5630	101	0.067	0.18	0.051	1.7450
47	991.593	9,408.00	136.320	8.4878	102	0.044	0.12	0.034	1.6418
48	894.449	8,416.41	129.321	8.4096	103	0.029	0.07	0.022	1.5410
49	806.361	7,521.96	122.546	8.3283	104	0.018	0.04	0.014	1.4426
50	726.505	6,715.60	115.995	8.2437	105	0.011	0.03	0.009	1.3468
51	654.124	5,989.10	109.661	8.1559	106	0.007	0.02	0.005	1.2535
52	588.533	5,334.97	103.536	8.0649	107	0.004	0.01	0.003	1.1627
53	529.104	4,746.44	97.609	7.9707	108	0.002	0.00	0.002	1.0745
54	475.267	4,217.34	91.872	7.8736	109	0.001	0.00	0.001	0.9888

**Table 10.K. -- Actuarial Functions at 11.0 Percent Interest for 1989-91 United States
Total Black Population**

x	D_x	N_x	M_x	a_x	x	D_x	N_x	M_x	a_x
0	100,000.000	984,690.99	2,418.010	8.8469	55	259.274	2,139.61	47.241	7.2523
1	88,456.757	884,690.99	784.676	9.0014	56	230.348	1,880.33	44.008	7.1630
2	79,591.754	796,234.24	685.658	9.0040	57	204.433	1,649.99	40.921	7.0710
3	71,648.712	716,642.48	630.088	9.0022	58	181.221	1,445.55	37.968	6.9767
4	64,510.183	644,993.77	591.881	8.9983	59	160.439	1,264.33	35.145	6.8805
5	58,089.390	580,483.59	563.989	8.9929	60	141.845	1,103.89	32.450	6.7824
6	52,310.863	522,394.20	542.069	8.9863	61	125.230	962.05	29.892	6.6822
7	47,109.083	470,083.33	524.248	8.9786	62	110.406	836.82	27.478	6.5795
8	42,426.295	422,974.25	509.928	8.9696	63	97.188	726.41	25.201	6.4743
9	38,210.942	380,547.96	498.982	8.9591	64	85.404	629.22	23.049	6.3676
10	34,415.467	342,337.01	490.178	8.9472	65	74.914	543.82	21.022	6.2593
11	30,998.263	307,921.55	483.515	8.9335	66	65.584	468.91	19.116	6.1497
12	27,920.074	276,923.29	477.226	8.9184	67	57.305	403.32	17.336	6.0382
13	25,145.495	249,003.21	469.501	8.9025	68	49.972	346.02	15.682	5.9242
14	22,643.391	223,857.72	459.293	8.8862	69	43.489	296.04	14.151	5.8074
15	20,386.075	201,214.33	445.917	8.8702	70	37.763	252.56	12.735	5.6879
16	18,349.640	180,828.25	429.723	8.8546	71	32.710	214.79	11.424	5.5666
17	16,512.887	162,478.61	411.403	8.8395	72	28.255	182.08	10.211	5.4442
18	14,857.372	145,965.72	392.300	8.8245	73	24.336	153.83	9.092	5.3210
19	13,365.607	131,108.35	372.888	8.8094	74	20.899	129.49	8.066	5.1961
20	12,021.986	117,742.74	353.787	8.7940	75	17.896	108.59	7.134	5.0681
21	10,811.957	105,720.76	335.126	8.7781	76	15.281	90.70	6.293	4.9352
22	9,722.181	94,908.80	316.804	8.7621	77	13.010	75.42	5.537	4.7966
23	8,741.218	85,186.62	299.300	8.7454	78	11.040	62.41	4.856	4.6527
24	7,858.466	76,445.40	282.796	8.7278	79	9.330	51.37	4.240	4.5055
25	7,064.315	68,586.94	267.412	8.7089	80	7.846	42.04	3.680	4.3578
26	6,350.123	61,522.62	253.287	8.6884	81	6.558	34.19	3.170	4.2135
27	5,707.689	55,172.50	240.144	8.6663	82	5.445	27.63	2.707	4.0747
28	5,129.737	49,464.81	227.819	8.6428	83	4.490	22.19	2.291	3.9414
29	4,609.650	44,335.07	216.085	8.6179	84	3.679	17.70	1.926	3.8099
30	4,141.524	39,725.42	204.771	8.5920	85	2.999	14.02	1.610	3.6740
31	3,720.241	35,583.90	193.909	8.5649	86	2.431	11.02	1.339	3.5320
32	3,341.216	31,863.66	183.556	8.5365	87	1.958	8.59	1.107	3.3851
33	3,000.235	28,522.44	173.687	8.5067	88	1.565	6.63	0.908	3.2350
34	2,693.505	25,522.21	164.277	8.4755	89	1.240	5.06	0.738	3.0849
35	2,417.637	22,828.70	155.334	8.4426	90	0.971	3.82	0.592	2.9393
36	2,169.551	20,411.06	146.833	8.4080	91	0.750	2.85	0.468	2.8027
37	1,946.429	18,241.51	138.711	8.3718	92	0.572	2.10	0.363	2.6792
38	1,745.862	16,295.08	131.034	8.3335	93	0.429	1.53	0.277	2.5676
39	1,565.608	14,549.22	123.794	8.2930	94	0.318	1.10	0.209	2.4608
40	1,403.658	12,983.61	116.994	8.2498	95	0.234	0.78	0.156	2.3501
41	1,258.154	11,579.95	110.591	8.2039	96	0.170	0.55	0.115	2.2359
42	1,127.441	10,321.80	104.560	8.1551	97	0.122	0.38	0.084	2.1253
43	1,009.998	9,194.36	98.845	8.1033	98	0.086	0.26	0.060	2.0176
44	904.507	8,184.36	93.444	8.0484	99	0.059	0.17	0.042	1.9118
45	809.722	7,279.86	88.294	7.9906	100	0.040	0.11	0.029	1.8080
46	724.568	6,470.13	83.384	7.9296	101	0.027	0.07	0.020	1.7062
47	648.052	5,745.57	78.671	7.8659	102	0.018	0.05	0.013	1.6066
48	579.297	5,097.51	74.138	7.7995	103	0.011	0.03	0.008	1.5091
49	517.541	4,518.22	69.790	7.7302	104	0.007	0.02	0.005	1.4139
50	462.087	4,000.68	65.624	7.6578	105	0.004	0.01	0.003	1.3209
51	412.302	3,538.59	61.631	7.5825	106	0.003	0.01	0.002	1.2303
52	367.617	3,126.29	57.805	7.5042	107	0.001	0.00	0.001	1.1420
53	327.518	2,758.67	54.136	7.4230	108	0.001	0.00	0.001	1.0561
54	291.542	2,431.15	50.617	7.3389	109	0.000	0.00	0.000	0.9725

**Table 10.L. -- Actuarial Functions at 12.0 Percent Interest for 1989-91 United States
Total Black Population**

x	D_x	N_x	M_x	a_x	x	D_x	N_x	M_x	a_x
0	100,000.000	912,096.98	2,275.323	8.1210	55	158.319	1,233.58	26.150	6.7917
1	87,666.964	812,096.98	656.573	8.2634	56	139.400	1,075.26	24.193	6.7135
2	78,176.818	724,430.02	559.315	8.2666	57	122.612	935.86	22.342	6.6327
3	69,746.635	646,253.20	505.220	8.2657	58	107.720	813.25	20.586	6.5496
4	62,236.921	576,506.57	468.360	8.2631	59	94.515	705.53	18.923	6.4647
5	55,542.010	514,269.65	441.691	8.2591	60	82.816	611.01	17.350	6.3780
6	49,570.309	458,727.64	420.919	8.2541	61	72.462	528.20	15.870	6.2893
7	44,242.467	409,157.33	404.182	8.2481	62	63.314	455.73	14.485	6.1980
8	39,488.875	364,914.86	390.854	8.2410	63	55.236	392.42	13.191	6.1044
9	35,247.827	325,425.99	380.757	8.2325	64	48.106	337.18	11.979	6.0092
10	31,463.225	290,178.16	372.708	8.2228	65	41.820	289.08	10.847	5.9124
11	28,086.128	258,714.93	366.671	8.2115	66	36.285	247.26	9.793	5.8143
12	25,071.253	230,628.81	361.024	8.1989	67	31.421	210.97	8.817	5.7144
13	22,378.172	205,557.55	354.149	8.1856	68	27.156	179.55	7.918	5.6119
14	19,971.508	183,179.38	345.145	8.1720	69	23.422	152.40	7.094	5.5066
15	17,820.011	163,207.87	333.453	8.1587	70	20.156	128.97	6.338	5.3987
16	15,896.695	145,387.86	319.424	8.1458	71	17.303	108.82	5.644	5.2888
17	14,177.748	129,491.17	303.695	8.1334	72	14.813	91.51	5.008	5.1778
18	12,642.449	115,313.42	287.440	8.1211	73	12.645	76.70	4.427	5.0659
19	11,271.530	102,670.97	271.069	8.1089	74	10.762	64.06	3.899	4.9521
20	10,047.901	91,399.44	255.104	8.0964	75	9.133	53.29	3.423	4.8352
21	8,955.883	81,351.54	239.647	8.0836	76	7.729	44.16	2.998	4.7135
22	7,981.283	72,395.66	224.606	8.0707	77	6.522	36.43	2.618	4.5861
23	7,111.905	64,414.37	210.365	8.0573	78	5.485	29.91	2.280	4.4534
24	6,336.607	57,302.47	197.056	8.0431	79	4.594	24.43	1.977	4.3171
25	5,645.390	50,965.86	184.762	8.0279	80	3.828	19.83	1.704	4.1800
26	5,029.340	45,320.47	173.575	8.0112	81	3.172	16.00	1.457	4.0458
27	4,480.166	40,291.13	163.259	7.9932	82	2.610	12.83	1.235	3.9166
28	3,990.560	35,810.97	153.671	7.9739	83	2.133	10.22	1.038	3.7925
29	3,553.953	31,820.41	144.624	7.9535	84	1.732	8.09	0.865	3.6699
30	3,164.528	28,266.45	135.979	7.9323	85	1.399	6.36	0.718	3.5428
31	2,817.246	25,101.92	127.754	7.9101	86	1.124	4.96	0.593	3.4095
32	2,507.628	22,284.68	119.984	7.8868	87	0.897	3.83	0.487	3.2713
33	2,231.613	19,777.05	112.643	7.8622	88	0.711	2.94	0.396	3.1295
34	1,985.575	17,545.44	105.707	7.8365	89	0.558	2.22	0.320	2.9871
35	1,766.301	15,559.86	99.172	7.8093	90	0.433	1.67	0.254	2.8489
36	1,570.899	13,793.56	93.017	7.7807	91	0.332	1.23	0.200	2.7189
37	1,396.760	12,222.66	87.189	7.7507	92	0.250	0.90	0.154	2.6013
38	1,241.648	10,825.90	81.729	7.7190	93	0.186	0.65	0.117	2.4951
39	1,103.510	9,584.26	76.626	7.6852	94	0.137	0.47	0.087	2.3934
40	980.527	8,480.75	71.876	7.6492	95	0.100	0.33	0.065	2.2877
41	871.038	7,500.22	67.443	7.6107	96	0.072	0.23	0.047	2.1784
42	773.574	6,629.18	63.305	7.5695	97	0.051	0.16	0.034	2.0724
43	686.805	5,855.61	59.419	7.5259	98	0.036	0.11	0.024	1.9690
44	609.579	5,168.80	55.779	7.4793	99	0.024	0.07	0.017	1.8672
45	540.827	4,559.22	52.339	7.4301	100	0.016	0.05	0.012	1.7672
46	479.631	4,018.40	49.089	7.3781	101	0.011	0.03	0.008	1.6691
47	425.150	3,538.76	45.997	7.3236	102	0.007	0.02	0.005	1.5728
48	376.651	3,113.61	43.050	7.2666	103	0.004	0.01	0.003	1.4785
49	333.494	2,736.96	40.248	7.2069	104	0.003	0.01	0.002	1.3862
50	295.102	2,403.47	37.587	7.1445	105	0.002	0.00	0.001	1.2960
51	260.956	2,108.37	35.060	7.0794	106	0.001	0.00	0.001	1.2079
52	230.597	1,847.41	32.660	7.0114	107	0.001	0.00	0.000	1.1220
53	203.609	1,616.81	30.379	6.9408	108	0.000	0.00	0.000	1.0383
54	179.626	1,413.20	28.211	6.8675	109	0.000	0.00	0.000	0.9568

**Table 11.A. -- Actuarial Functions at 1.0 Percent Interest for 1989-91 United States
Black Males**

x	D_x	N_x	M_x	a_x	x	D_x	N_x	M_x	a_x
0	100,000.000	4,692,163.70	53,542.934	45.9216	55	42,866.038	746,482.20	35,475.125	16.4143
1	97,052.475	4,592,163.70	51,585.508	46.3163	56	41,641.420	703,616.16	34,674.923	15.8970
2	95,962.161	4,495,111.22	51,456.109	45.8425	57	40,392.614	661,974.74	33,838.408	15.3885
3	94,931.481	4,399,149.06	51,375.550	45.3403	58	39,120.656	621,582.13	32,966.378	14.8888
4	93,927.180	4,304,217.58	51,311.164	44.8250	59	37,827.118	582,461.47	32,060.173	14.3980
5	92,946.780	4,210,290.40	51,260.737	44.2979	60	36,513.525	544,634.35	31,121.106	13.9160
6	91,982.239	4,117,343.62	51,216.460	43.7624	61	35,186.265	508,120.83	30,155.366	13.4409
7	91,032.349	4,025,361.38	51,177.286	43.2190	62	33,847.714	472,934.56	29,165.194	12.9724
8	90,095.947	3,934,329.03	51,142.194	42.6682	63	32,496.424	439,086.85	28,149.029	12.5119
9	89,173.734	3,844,233.08	51,112.021	42.1095	64	31,128.901	406,590.42	27,103.253	12.0615
10	88,266.383	3,755,059.35	51,087.578	41.5423	65	29,745.468	375,461.52	26,028.027	11.6225
11	87,373.636	3,666,792.97	51,068.755	40.9668	66	28,349.562	345,716.05	24,926.630	11.1948
12	86,488.139	3,579,419.33	51,048.344	40.3862	67	26,949.116	317,366.49	23,806.874	10.7765
13	85,601.946	3,492,931.19	51,018.469	39.8043	68	25,549.732	290,417.38	22,674.312	10.3667
14	84,702.205	3,407,329.25	50,966.271	39.2272	69	24,155.788	264,867.64	21,533.336	9.9650
15	83,781.741	3,322,627.04	50,884.443	38.6581	70	22,768.006	240,711.86	20,384.720	9.5724
16	82,838.793	3,238,845.30	50,771.018	38.0982	71	21,386.095	217,943.85	19,228.235	9.1909
17	81,876.752	3,156,006.51	50,629.163	37.5458	72	20,009.777	196,557.76	18,063.660	8.8231
18	80,899.723	3,074,129.75	50,462.795	36.9993	73	18,645.557	176,547.98	16,897.557	8.4686
19	79,913.322	2,993,230.03	50,277.381	36.4560	74	17,306.390	157,902.42	15,743.000	8.1239
20	78,922.952	2,913,316.71	50,078.232	35.9134	75	16,004.241	140,596.03	14,612.201	7.7849
21	77,927.319	2,834,393.76	49,864.015	35.3723	76	14,747.774	124,591.79	13,514.192	7.4482
22	76,925.187	2,756,466.44	49,633.440	34.8331	77	13,537.859	109,844.02	12,450.294	7.1138
23	75,921.737	2,679,541.25	49,391.626	34.2935	78	12,375.306	96,306.16	11,421.780	6.7821
24	74,921.953	2,603,619.51	49,143.542	33.7511	79	11,254.495	83,930.85	10,423.496	6.4575
25	73,929.066	2,528,697.56	48,892.457	33.2044	80	10,172.258	72,676.36	9,452.691	6.1446
26	72,945.408	2,454,768.49	48,640.769	32.6521	81	9,124.642	62,504.10	8,505.789	5.8500
27	71,969.394	2,381,823.09	48,386.987	32.0949	82	8,115.347	53,379.46	7,586.837	5.5776
28	70,997.988	2,309,853.69	48,128.149	31.5341	83	7,156.231	45,264.11	6,708.071	5.3251
29	70,026.024	2,238,855.70	47,859.135	30.9718	84	6,265.166	38,107.88	5,887.860	5.0825
30	69,050.766	2,168,829.68	47,577.205	30.4092	85	5,454.998	31,842.71	5,139.724	4.8373
31	68,071.060	2,099,778.92	47,281.170	29.8469	86	4,724.855	26,387.72	4,463.591	4.5849
32	67,087.985	2,031,707.85	46,972.066	29.2842	87	4,065.860	21,662.86	3,851.377	4.3280
33	66,101.862	1,964,619.87	46,650.180	28.7211	88	3,470.277	17,597.00	3,296.049	4.0708
34	65,110.864	1,898,518.01	46,313.656	28.1582	89	2,929.398	14,126.72	2,789.530	3.8224
35	64,116.069	1,833,407.14	45,963.523	27.5951	90	2,438.912	11,197.33	2,328.048	3.5911
36	63,115.020	1,769,291.07	45,597.286	27.0328	91	1,997.478	8,758.41	1,910.761	3.3847
37	62,107.440	1,706,176.05	45,214.608	26.4714	92	1,606.982	6,760.94	1,540.042	3.2072
38	61,095.811	1,644,068.62	44,817.904	25.9097	93	1,270.003	5,153.95	1,218.974	3.0582
39	60,082.523	1,582,972.80	44,409.525	25.3466	94	990.559	3,883.95	952.104	2.9210
40	59,070.550	1,522,890.28	43,992.429	24.7809	95	765.872	2,893.39	737.224	2.7779
41	58,058.761	1,463,819.73	43,565.497	24.2127	96	586.468	2,127.52	565.404	2.6277
42	57,045.415	1,405,760.97	43,126.990	23.6428	97	442.511	1,541.05	427.253	2.4825
43	56,029.494	1,348,715.55	42,675.875	23.0715	95	328.676	1,098.54	317.799	2.3423
44	55,008.735	1,292,686.06	42,209.863	22.4997	99	240.060	769.87	232.438	2.2070
45	53,979.052	1,237,677.32	41,724.821	21.9288	100	172.221	529.80	166.975	2.0763
46	52,939.056	1,183,698.27	41,219.271	21.3596	101	121.202	357.58	117.662	1.9503
47	51,885.546	1,130,759.22	40,689.910	20.7933	102	83.564	236.38	81.223	1.8288
48	50,816.074	1,078,873.67	40,134.157	20.2310	103	56.357	152.82	54.844	1.7116
49	49,731.988	1,028,057.60	39,553.200	19.6720	104	37.118	96.46	36.163	1.5987
50	48,633.377	978,325.61	38,946.985	19.1163	105	23.832	59.34	23.245	1.4900
51	47,519.137	929,692.23	38,314.264	18.5646	106	14.887	35.51	14.536	1.3853
52	46,388.218	882,173.09	37,653.831	18.0172	107	9.027	20.62	8.823	1.2846
53	45,237.856	835,784.88	36,962.758	17.4753	108	5.301	11.60	5.186	1.1876
54	44,064.823	790,547.02	36,237.625	16.9405	109	3.006	6.30	2.944	1.0944

**Table 11.B. -- Actuarial Functions at 2.0 Percent Interest for 1989-91 United States
Black Males**

x	D_x	N_x	M_x	a_x	x	D_x	N_x	M_x	a_x
0	100,000.000	3,555,040.64	30,293.321	34.5504	55	24,933.282	389,540.39	17,295.235	14.6233
1	96,100.980	3,455,040.64	28,355.086	34.9522	56	23,983.516	364,607.11	16,834.357	14.2024
2	94,089.773	3,358,939.66	28,228.211	34.6993	57	23,036.180	340,623.59	16,357.286	13.7865
3	92,166.663	3,264,849.88	28,149.999	34.4233	58	22,092.041	317,587.41	15,864.837	13.3756
4	90,297.576	3,172,683.22	28,088.101	34.1359	59	21,152.133	295,495.37	15,358.106	12.9700
5	88,479.031	3,082,385.64	28,040.097	33.8375	60	20,217.427	274,343.24	14,838.148	12.5696
6	86,702.414	2,993,906.61	27,998.363	33.5308	61	19,291.522	254,125.81	14,308.663	12.1729
7	84,965.803	2,907,204.20	27,961.799	33.2162	62	18,375.699	234,834.29	13,771.105	11.7796
8	83,267.374	2,822,238.40	27,929.366	32.8937	63	17,469.131	216,458.59	13,224.845	11.3909
9	81,607.068	2,738,971.02	27,901.753	32.5629	64	16,569.932	198,989.46	12,668.177	11.0091
10	79,984.780	2,657,363.95	27,879.604	32.2234	65	15,678.299	182,419.53	12,101.445	10.6352
11	78,399.561	2,577,379.17	27,862.714	31.8749	66	14,796.046	166,741.23	11,526.610	10.2693
12	76,844.179	2,498,979.61	27,844.579	31.5201	67	13,927.240	151,945.18	10,947.923	9.9099
13	75,311.148	2,422,135.43	27,818.296	31.1617	68	13,074.590	138,017.94	10,368.356	9.5562
14	73,788.986	2,346,824.29	27,772.824	30.8045	69	12,240.077	124,943.35	9,790.207	9.2077
15	72,271.557	2,273,035.30	27,702.237	30.4513	70	11,423.762	112,703.28	9,213.894	8.8657
16	70,757.584	2,200,763.74	27,605.354	30.1029	71	10,625.193	101,279.51	8,639.320	8.5320
17	69,250.201	2,130,006.16	27,485.375	29.7581	72	9,843.936	90,654.32	8,066.400	8.2092
18	67,753.022	2,060,755.96	27,346.043	29.4157	73	9,082.870	80,810.39	7,498.353	7.8970
19	66,270.771	1,993,002.94	27,192.282	29.0736	74	8,347.865	71,727.51	6,941.444	7.5923
20	64,807.812	1,926,732.16	27,028.750	28.7299	75	7,644.080	63,379.65	6,401.342	7.2913
21	63,362.890	1,861,924.35	26,854.569	28.3851	76	6,974.898	55,735.57	5,882.043	6.9909
22	61,934.838	1,798,561.46	26,668.927	28.0396	77	6,339.902	48,760.67	5,383.810	6.6911
23	60,527.646	1,736,626.62	26,476.143	27.6915	78	5,738.650	42,420.77	4,906.870	6.3921
24	59,144.987	1,676,098.98	26,280.301	27.3388	79	5,167.744	36,682.12	4,448.486	6.0983
25	57,789.012	1,616,953.99	26,084.032	26.9803	80	4,625.019	31,514.38	4,007.090	5.8139
26	56,461.084	1,559,164.98	25,889.221	26.6149	81	4,108.026	26,889.36	3,580.784	5.5456
27	55,159.497	1,502,703.90	25,694.715	26.2429	82	3,617.809	22,781.33	3,171.116	5.2970
28	53,881.502	1,447,544.40	25,498.279	25.8653	83	3,158.960	19,163.52	2,783.204	5.0664
29	52,622.845	1,393,662.90	25,296.122	25.4840	84	2,738.505	16,004.56	2,424.690	4.8443
30	51,381.238	1,341,040.05	25,086.335	25.0998	85	2,361.004	13,266.06	2,100.886	4.6188
31	50,155.640	1,289,658.81	24,868.213	24.7131	86	2,024.939	10,905.05	1,811.114	4.3854
32	48,946.677	1,239,503.17	24,642.693	24.3235	87	1,725.429	8,880.11	1,551.309	4.1466
33	47,754.396	1,190,556.50	24,410.151	23.9308	88	1,458.243	7,154.69	1,317.955	3.9064
34	46,577.302	1,142,802.10	24,169.418	23.5356	89	1,218.892	5,696.44	1,107.197	3.6735
35	45,416.008	1,096,224.80	23,921.404	23.1374	90	1,004.857	4,477.55	917.062	3.4559
36	44,268.621	1,050,808.79	23,664.527	22.7371	91	814.913	3,472.69	746.821	3.2614
37	43,134.831	1,006,540.17	23,398.749	22.3347	92	649.175	2,657.78	597.061	3.0941
38	42,016.233	963,405.34	23,125.932	21.9294	93	508.015	2,008.61	468.631	2.9538
39	40,914.292	921,389.10	22,847.839	21.5200	94	392.350	1,500.59	362.926	2.8246
40	39,830.806	880,474.81	22,566.594	21.1054	95	300.380	1,108.24	278.649	2.6895
41	38,764.755	840,644.01	22,281.540	20.6858	96	227.761	807.86	211.921	2.5470
42	37,714.750	801,879.25	21,991.627	20.2617	97	170.169	580.10	158.794	2.4090
43	36,679.921	764,164.50	21,696.303	19.8333	98	125.154	409.93	117.116	2.2754
44	35,658.621	727,484.58	21,394.218	19.4014	99	90.515	284.78	84.931	2.1462
45	34,648.093	691,825.96	21,082.878	18.9672	100	64.299	194.26	60.490	2.0212
46	33,647.398	657,177.87	20,761.558	18.5313	101	44.808	129.96	42.259	1.9005
47	32,654.488	623,530.47	20,428.401	18.0948	102	30.590	85.16	28.920	1.7837
48	31,667.867	590,875.98	20,082.063	17.6585	103	20.428	54.56	19.358	1.6711
49	30,688.433	559,208.11	19,723.568	17.2221	104	13.323	34.14	12.653	1.5623
50	29,716.286	528,519.68	19,353.155	16.7855	105	8.470	20.81	8.062	1.4573
51	28,750.794	498,803.39	18,970.336	16.3492	106	5.239	12.34	4.997	1.3561
52	27,791.385	470,052.60	18,574.668	15.9136	107	3.146	7.10	3.006	1.2585
53	26,836.490	442,261.21	18,164.702	15.4798	108	1.829	3.96	1.751	1.1645
54	25,884.331	415,424.72	17,738.748	15.0493	109	1.027	2.13	0.985	1.0739

**Table 11.C. -- Actuarial Functions at 3.0 Percent Interest for 1989-91 United States
Black Males**

x	D_x	N_x	M_x	a_x	x	D_x	N_x	M_x	a_x
0	100,000.000	2,806,844.95	18,247.235	27.0684	55	14,579.464	206,022.27	8,578.815	13.1310
1	95,167.961	2,706,844.95	16,327.817	27.4428	56	13,887.942	191,442.80	8,311.938	12.7848
2	92,271.656	2,611,676.98	16,203.394	27.3042	57	13,209.867	177,554.86	8,038.366	12.4411
3	89,508.175	2,519,405.33	16,127.438	27.1472	58	12,545.465	164,344.99	7,758.718	12.1000
4	86,841.613	2,429,897.15	16,067.909	26.9808	59	11,895.099	151,799.53	7,473.753	11.7615
5	84,266.527	2,343,055.54	16,022.191	26.8053	60	11,259.075	139,904.43	7,184.188	11.4259
6	81,772.800	2,258,789.01	15,982.829	26.6227	61	10,639.134	128,645.36	6,892.182	11.0917
7	79,356.918	2,177,016.21	15,948.679	26.4332	62	10,035.675	118,006.22	6,598.601	10.7587
8	77,015.554	2,097,659.29	15,918.682	26.2368	63	9,447.936	107,970.55	6,303.163	10.4280
9	74,747.091	2,020,643.74	15,893.390	26.0331	64	8,874.611	98,522.61	6,005.020	10.1016
10	72,549.901	1,945,896.65	15,873.299	25.8215	65	8,315.541	89,648.00	5,704.434	9.7808
11	70,421.626	1,873,346.75	15,858.129	25.6019	66	7,771.417	81,332.46	5,402.510	9.4656
12	68,354.379	1,802,925.12	15,841.997	25.3761	67	7,244.068	73,561.04	5,101.513	9.1547
13	66,340.322	1,734,570.74	15,818.844	25.1466	68	6,734.549	66,316.97	4,802.986	8.8473
14	64,368.413	1,668,230.42	15,779.177	24.9169	69	6,243.491	59,582.43	4,508.081	8.5431
15	62,432.628	1,603,862.01	15,718.200	24.6895	70	5,770.526	53,338.93	4,216.965	8.2433
16	60,531.321	1,541,429.38	15,635.319	24.4650	71	5,315.034	47,568.41	3,929.547	7.9498
17	58,666.630	1,480,898.06	15,533.677	24.2426	72	4,876.419	42,253.37	3,645.738	7.6648
18	56,841.001	1,422,231.43	15,416.785	24.0212	73	4,455.724	37,376.96	3,367.074	7.3885
19	55,057.694	1,365,390.43	15,289.041	23.7993	74	4,055.398	32,921.23	3,096.528	7.1179
20	53,319.529	1,310,332.73	15,154.498	23.5751	75	3,677.446	28,865.83	2,836.693	6.8494
21	51,624.620	1,257,013.21	15,012.585	23.3491	76	3,322.935	25,188.39	2,589.292	6.5802
22	49,971.207	1,205,388.59	14,862.802	23.1217	77	2,991.090	21,865.45	2,354.232	6.3102
23	48,361.701	1,155,417.38	14,708.767	22.8912	78	2,681.141	18,874.36	2,131.402	6.0397
24	46,798.148	1,107,055.68	14,553.808	22.6560	79	2,390.968	16,193.22	1,919.321	5.7727
25	45,281.306	1,060,257.53	14,400.019	22.4149	80	2,119.090	13,802.25	1,717.082	5.5133
26	43,811.269	1,014,976.22	14,248.855	22.1670	81	1,863.940	11,683.17	1,523.654	5.2680
27	42,385.750	971,164.95	14,099.392	21.9125	82	1,625.576	9,819.23	1,339.579	5.0405
28	41,001.733	928,779.20	13,949.912	21.6522	83	1,405.623	8,193.65	1,166.973	4.8292
29	39,655.168	887,777.47	13,797.571	21.3874	84	1,206.705	6,788.03	1,008.995	4.6253
30	38,343.608	848,122.30	13,641.016	21.1190	85	1,030.261	5,581.32	867.698	4.4174
31	37,065.609	809,778.70	13,479.822	20.8472	86	875.035	4,551.06	742.480	4.2010
32	35,820.985	772,713.09	13,314.778	20.5715	87	738.369	3,676.03	631.300	3.9786
33	34,609.124	736,892.10	13,146.248	20.2918	88	617.973	2,937.66	532.410	3.7537
34	33,428.318	702,282.98	12,973.474	20.0086	89	511.526	2,319.68	443.962	3.5348
35	32,278.408	668,854.66	12,797.204	19.7214	90	417.609	1,808.16	364.944	3.3298
36	31,157.463	636,576.25	12,616.407	19.4309	91	335.382	1,390.55	294.880	3.1462
37	30,064.719	605,418.79	12,431.162	19.1372	92	264.577	1,055.17	233.844	2.9881
38	29,000.741	575,354.07	12,242.856	18.8393	93	205.036	790.59	182.009	2.8559
39	27,965.976	546,353.33	12,052.772	18.5364	94	156.816	585.55	139.761	2.7340
40	26,961.061	518,387.35	11,862.400	18.2273	95	118.891	428.74	106.404	2.6061
41	25,984.710	491,426.29	11,671.323	17.9121	96	89.274	309.85	80.249	2.4708
42	25,035.427	465,441.58	11,478.876	17.5913	97	66.052	220.57	59.628	2.3394
43	24,112.104	440,406.15	11,284.741	17.2649	98	48.108	154.52	43.607	2.2120
44	23,213.158	416,294.05	11,088.088	16.9335	99	34.455	106.41	31.355	2.0885
45	22,336.337	393,080.89	10,887.379	16.5983	100	24.238	71.96	22.142	1.9688
46	21,480.632	370,744.56	10,682.247	16.2595	101	16.727	47.72	15.337	1.8530
47	20,644.359	349,263.92	10,471.623	15.9181	102	11.308	30.99	10.406	1.7408
48	19,826.236	328,619.57	10,254.792	15.5750	103	7.478	19.69	6.905	1.6323
49	19,026.510	308,793.33	10,032.529	15.2296	104	4.830	12.21	4.474	1.5274
50	18,244.917	289,766.82	9,805.106	14.8821	105	3.041	7.38	2.826	1.4260
51	17,480.754	271,521.90	9,572.349	14.5326	106	1.863	4.34	1.736	1.3280
52	16,733.371	254,041.15	9,334.114	14.1817	107	1.108	2.47	1.036	1.2335
53	16,001.545	237,307.78	9,089.668	13.8303	108	0.638	1.37	0.598	1.1422
54	15,283.967	221,306.23	8,838.154	13.4796	109	0.355	0.73	0.333	1.0541

**Table 11.D. -- Actuarial Functions at 4.0 Percent Interest for 1989-91 United States
Black Males**

x	D_x	N_x	M_x	a_x	x	D_x	N_x	M_x	a_x
0	100,000.000	2,293,925.28	11,772.104	21.9393	55	8,569.495	110,340.52	4,325.629	11.8760
1	94,252.885	2,193,925.28	9,871.143	22.2770	56	8,084.543	101,771.03	4,170.273	11.5883
2	90,505.732	2,099,672.40	9,749.101	22.1993	57	7,615.877	93,686.48	4,012.551	11.3015
3	86,950.956	2,009,166.67	9,675.315	22.1069	58	7,163.283	86,070.61	3,852.875	11.0155
4	83,549.416	1,922,215.71	9,618.043	22.0069	59	6,726.626	78,907.32	3,691.729	10.7306
5	80,292.415	1,838,666.30	9,574.481	21.8996	60	6,305.737	72,180.70	3,529.556	10.4468
6	77,167.101	1,758,373.88	9,537.336	21.7866	61	5,901.240	65,874.96	3,367.588	10.1629
7	74,167.219	1,681,206.78	9,505.419	21.6678	62	5,512.994	59,973.72	3,206.312	9.8786
8	71,286.867	1,607,039.56	9,477.653	21.5433	63	5,140.220	54,460.73	3,045.577	9.5950
9	68,521.879	1,535,752.69	9,454.468	21.4126	64	4,781.873	49,320.51	2,884.930	9.3141
10	65,868.182	1,467,230.82	9,436.228	21.2753	65	4,437.548	44,538.63	2,724.523	9.0368
11	63,321.149	1,401,362.63	9,422.586	21.1310	66	4,107.302	40,101.09	2,564.952	8.7634
12	60,871.355	1,338,041.48	9,408.221	20.9815	67	3,791.777	35,993.78	2,407.401	8.4926
13	58,509.729	1,277,170.13	9,387.801	20.8283	68	3,491.184	32,202.01	2,252.645	8.2238
14	56,224.706	1,218,660.40	9,353.153	20.6748	69	3,205.499	28,710.82	2,101.236	7.9567
15	54,009.468	1,162,435.69	9,300.403	20.5228	70	2,934.184	25,505.32	1,953.210	7.6925
16	51,861.171	1,108,426.23	9,229.393	20.3730	71	2,676.591	22,571.14	1,808.470	7.4328
17	49,780.264	1,056,565.06	9,143.146	20.2246	72	2,432.096	19,894.55	1,666.921	7.1800
18	47,767.406	1,006,784.79	9,044.914	20.0768	73	2,200.908	17,462.45	1,529.275	6.9342
19	45,823.878	959,017.39	8,938.594	19.9283	74	1,983.906	15,261.55	1,396.923	6.6927
20	43,950.519	913,193.51	8,827.692	19.7778	75	1,781.713	13,277.64	1,271.034	6.4522
21	42,144.263	869,242.99	8,711.840	19.6254	76	1,594.473	11,495.93	1,152.322	6.2099
22	40,402.228	827,098.73	8,590.739	19.4716	77	1,421.440	9,901.45	1,040.615	5.9658
23	38,724.956	786,696.50	8,467.398	19.3150	78	1,261.893	8,480.01	935.739	5.7201
24	37,112.646	747,971.54	8,344.510	19.1541	79	1,114.502	7,218.12	836.882	5.4765
25	35,564.449	710,858.90	8,223.722	18.9879	80	978.273	6,103.62	743.519	5.2392
26	34,079.001	675,294.45	8,106.137	18.8156	81	852.210	5,125.35	655.081	5.0142
27	32,653.127	641,215.45	7,990.994	18.6372	82	736.082	4,273.14	571.730	4.8052
28	31,283.188	608,562.32	7,876.945	18.4533	83	630.364	3,537.05	494.323	4.6111
29	29,964.875	577,279.13	7,761.831	18.2652	84	535.954	2,906.69	424.158	4.4234
30	28,695.218	547,314.26	7,644.670	18.0734	85	453.187	2,370.74	362.005	4.2313
31	27,472.083	518,619.04	7,525.197	17.8780	86	381.206	1,917.55	307.454	4.0302
32	26,294.315	491,146.96	7,404.047	17.6788	87	318.575	1,536.34	259.485	3.8226
33	25,160.475	464,852.64	7,281.527	17.4755	88	264.065	1,217.77	217.228	3.6116
34	24,068.367	439,692.17	7,157.130	17.2685	89	216.478	953.70	179.797	3.4055
35	23,016.967	415,623.80	7,031.436	17.0573	90	175.033	737.23	146.678	3.2119
36	22,004.017	392,606.83	6,903.754	16.8425	91	139.217	562.19	117.594	3.0382
37	21,028.142	370,602.81	6,774.188	16.6241	92	108.770	422.98	92.502	2.8887
38	20,088.927	349,574.67	6,643.747	16.4014	93	83.482	314.21	71.397	2.7638
39	19,185.870	329,485.75	6,513.342	16.1734	94	63.235	230.72	54.361	2.6487
40	18,318.605	310,299.88	6,383.994	15.9391	95	47.481	167.49	41.039	2.5275
41	17,485.465	291,981.27	6,255.416	15.6985	96	35.310	120.01	30.694	2.3987
42	16,684.692	274,495.81	6,127.161	15.4520	97	25.874	84.70	22.616	2.2735
43	15,914.837	257,811.11	5,999.025	15.1994	98	18.664	58.82	16.401	2.1518
44	15,174.178	241,896.28	5,870.475	14.9413	99	13.238	40.16	11.694	2.0337
45	14,460.616	226,722.10	5,740.536	14.6786	100	9.223	26.92	8.188	1.9189
46	13,772.912	212,261.48	5,609.009	14.4115	101	6.304	17.70	5.623	1.8077
47	13,109.436	198,488.57	5,475.260	14.1409	102	4.221	11.40	3.783	1.6998
48	12,468.860	185,379.13	5,338.894	13.8674	103	2.764	7.17	2.489	1.5952
49	11,850.850	172,910.27	5,200.455	13.5905	104	1.768	4.41	1.599	1.4940
50	11,254.758	161,059.42	5,060.165	13.3103	105	1.103	2.64	1.001	1.3959
51	10,679.682	149,804.67	4,917.964	13.0271	106	0.669	1.54	0.610	1.3011
52	10,124.777	139,124.98	4,773.817	12.7410	107	0.394	0.87	0.360	1.2093
53	9,588.879	129,000.21	4,627.333	12.4531	108	0.225	0.48	0.206	1.1207
54	9,070.806	119,411.33	4,478.063	12.1644	109	0.124	0.25	0.114	1.0350

**Table 11.E. -- Actuarial Functions at 5.0 Percent Interest for 1989-91 United States
Black Males**

x	D_x	N_x	M_x	a_x	x	D_x	N_x	M_x	a_x
0	100,000.000	1,928,765.78	8,154.011	18.2877	55	5,062.645	59,796.19	2,215.207	10.8113
1	93,355.238	1,828,765.78	6,271.154	18.5893	56	4,730.660	54,733.55	2,124.300	10.5700
2	88,790.023	1,735,410.54	6,151.426	18.5451	57	4,413.979	50,002.89	2,032.889	10.3283
3	84,490.228	1,646,620.52	6,079.727	18.4889	58	4,112.126	45,588.91	1,941.226	10.0865
4	80,411.763	1,562,130.29	6,024.606	18.4266	59	3,824.685	41,476.78	1,849.600	9.8445
5	76,541.104	1,481,718.52	5,983.079	18.3585	60	3,551.225	37,652.10	1,758.268	9.6026
6	72,861.218	1,405,177.42	5,948.007	18.2857	61	3,291.772	34,100.87	1,667.921	9.3594
7	69,361.787	1,332,316.20	5,918.158	18.2082	62	3,045.916	30,809.10	1,578.816	9.1149
8	66,033.125	1,262,954.42	5,892.439	18.1261	63	2,812.913	27,763.18	1,490.856	8.8699
9	62,867.418	1,196,921.29	5,871.166	18.0388	64	2,591.890	24,950.27	1,403.782	8.6263
10	59,857.156	1,134,053.87	5,854.591	17.9460	65	2,382.351	22,358.38	1,317.666	8.3850
11	56,994.537	1,074,196.72	5,842.313	17.8474	66	2,184.054	19,976.03	1,232.814	8.1463
12	54,267.704	1,017,202.18	5,829.505	17.7442	67	1,997.071	17,791.98	1,149.834	7.9090
13	51,665.497	962,934.48	5,811.474	17.6379	68	1,821.241	15,794.91	1,069.103	7.6726
14	49,174.931	911,268.98	5,781.170	17.5312	69	1,656.282	13,973.67	990.870	7.4368
15	46,787.571	862,094.05	5,735.474	17.4257	70	1,501.655	12,317.38	915.113	7.2025
16	44,498.663	815,306.48	5,674.545	17.3220	71	1,356.778	10,815.73	841.743	6.9716
17	42,306.381	770,807.81	5,601.247	17.2197	72	1,221.101	9,458.95	770.675	6.7462
18	40,209.103	728,501.43	5,518.558	17.1178	73	1,094.503	8,237.85	702.224	6.5266
19	38,205.739	688,292.33	5,429.914	17.0154	74	977.192	7,143.35	637.033	6.3101
20	36,294.834	650,086.59	5,338.330	16.9113	75	869.242	6,166.15	575.616	6.0937
21	34,471.748	613,791.76	5,243.569	16.8056	76	770.485	5,296.91	518.251	5.8748
22	32,732.125	579,320.01	5,145.458	16.6988	77	680.330	4,526.43	464.786	5.6533
23	31,074.479	546,587.88	5,046.484	16.5896	78	598.216	3,846.10	415.068	5.4293
24	29,497.070	515,513.40	4,948.813	16.4768	79	523.311	3,247.88	368.650	5.2064
25	27,997.360	486,016.33	4,853.726	16.3594	80	454.971	2,724.57	325.229	4.9885
26	26,572.468	458,018.97	4,762.041	16.2366	81	392.567	2,269.60	284.491	4.7814
27	25,218.187	431,446.51	4,673.115	16.1085	82	335.844	1,877.03	246.461	4.5890
28	23,930.079	406,228.32	4,585.873	15.9756	83	284.870	1,541.19	211.480	4.4101
29	22,703.334	382,298.24	4,498.656	15.8389	84	239.898	1,256.32	180.073	4.2369
30	21,534.299	359,594.91	4,410.732	15.6987	85	200.919	1,016.42	152.518	4.0589
31	20,420.051	338,060.61	4,321.927	15.5553	86	167.397	815.50	128.563	3.8717
32	19,358.475	317,640.55	4,232.734	15.4083	87	138.562	648.10	107.699	3.6774
33	18,347.300	298,282.08	4,143.391	15.2575	88	113.759	509.54	89.495	3.4791
34	17,383.771	279,934.78	4,053.544	15.1032	89	92.370	395.78	73.524	3.2847
35	16,466.053	262,551.01	3,963.624	14.9450	90	73.975	303.41	59.526	3.1016
36	15,591.483	246,084.96	3,873.151	14.7833	91	58.277	229.44	47.352	2.9370
37	14,758.098	230,493.47	3,782.218	14.6181	92	45.098	171.16	36.948	2.7953
38	13,964.657	215,735.38	3,691.544	14.4487	93	34.284	126.06	28.281	2.6771
39	13,209.886	201,770.72	3,601.757	14.2742	94	25.721	91.78	21.351	2.5682
40	12,492.634	188,560.83	3,513.546	14.0938	95	19.129	66.06	15.984	2.4532
41	11,810.896	176,068.20	3,426.696	13.9073	96	14.090	46.93	11.856	2.3305
42	11,162.665	164,257.30	3,340.888	13.7149	97	10.227	32.84	8.663	2.2110
43	10,546.198	153,094.64	3,255.977	13.5166	98	7.307	22.61	6.230	2.0947
44	9,959.624	142,548.44	3,171.603	13.3126	99	5.133	15.30	4.404	1.9815
45	9,400.882	132,588.82	3,087.129	13.1039	100	3.542	10.17	3.058	1.8714
46	8,868.530	123,187.93	3,002.438	12.8905	101	2.398	6.63	2.082	1.7644
47	8,360.917	114,319.40	2,917.136	12.6731	102	1.590	4.23	1.389	1.6605
48	7,876.635	105,958.49	2,830.992	12.4523	103	1.032	2.64	0.906	1.5597
49	7,414.937	98,081.85	2,744.373	12.2276	104	0.654	1.61	0.577	1.4619
50	6,974.903	90,666.92	2,657.431	11.9990	105	0.404	0.96	0.358	1.3671
51	6,555.478	83,692.01	2,570.144	11.7667	106	0.243	0.55	0.216	1.2751
52	6,155.674	77,136.53	2,482.505	11.5310	107	0.141	0.31	0.127	1.1861
53	5,774.335	70,980.86	2,394.294	11.2925	108	0.080	0.17	0.072	1.1000
54	5,410.334	65,206.53	2,305.261	11.0522	109	0.044	0.09	0.039	1.0166

**Table 11.F. -- Actuarial Functions at 6.0 Percent Interest for 1989-91 United States
Black Males**

x	D_x	N_x	M_x	a_x	x	D_x	N_x	M_x	a_x
0	100,000.000	1,659,800.45	6,049.031	15.5980	55	3,005.843	32,765.42	1,151.197	9.9006
1	92,474.528	1,559,800.45	4,183.937	15.8674	56	2,782.236	29,759.57	1,097.732	9.6963
2	87,122.642	1,467,325.92	4,066.457	15.8421	57	2,571.497	26,977.34	1,044.477	9.4909
3	82,121.483	1,380,203.28	3,996.769	15.8068	58	2,373.043	24,405.84	991.580	9.2846
4	77,420.027	1,298,081.80	3,943.699	15.7667	59	2,186.343	22,032.80	939.203	9.0775
5	72,998.156	1,220,661.77	3,904.094	15.7218	60	2,010.871	19,846.45	887.487	8.8696
6	68,833.052	1,147,663.61	3,870.961	15.6731	61	1,846.372	17,835.58	836.811	8.6598
7	64,908.909	1,078,830.56	3,843.028	15.6207	62	1,692.353	15,989.21	787.303	8.4479
8	61,210.978	1,013,921.65	3,819.187	15.5644	63	1,548.148	14,296.86	738.892	8.2348
9	57,726.673	952,710.67	3,799.654	15.5038	64	1,413.046	12,748.71	691.421	8.0221
10	54,444.049	894,984.00	3,784.578	15.4386	65	1,286.556	11,335.66	644.915	7.8109
11	51,351.248	840,539.95	3,773.515	15.3684	66	1,168.342	10,049.11	599.524	7.6012
12	48,433.143	789,188.70	3,762.085	15.2944	67	1,058.239	8,880.77	555.554	7.3920
13	45,675.704	740,755.56	3,746.144	15.2177	68	955.963	7,822.53	513.178	7.1829
14	43,063.749	695,079.85	3,719.606	15.1407	69	861.175	6,866.56	472.501	6.9735
15	40,586.538	652,016.11	3,679.966	15.0648	70	773.411	6,005.39	433.484	6.7648
16	38,236.832	611,429.57	3,627.611	14.9906	71	692.202	5,231.98	396.052	6.5585
17	36,010.094	573,192.74	3,565.222	14.9176	72	617.105	4,539.78	360.136	6.3566
18	33,902.068	537,182.64	3,495.503	14.8451	73	547.908	3,922.67	325.870	6.1594
19	31,909.048	503,280.57	3,421.468	14.7723	74	484.567	3,374.76	293.543	5.9645
20	30,027.107	471,371.53	3,345.700	14.6982	75	426.971	2,890.20	263.375	5.7691
21	28,249.802	441,344.42	3,268.043	14.6229	76	374.891	2,463.23	235.463	5.5705
22	26,571.113	413,094.62	3,188.399	14.5468	77	327.902	2,088.33	209.694	5.3688
23	24,987.501	386,523.50	3,108.812	14.4687	78	285.605	1,760.43	185.958	5.1639
24	23,495.316	361,536.00	3,031.014	14.3876	79	247.486	1,474.83	164.006	4.9592
25	22,090.367	338,040.69	2,955.989	14.3026	80	213.137	1,227.34	143.664	4.7585
26	20,768.311	315,950.32	2,884.331	14.2131	81	182.168	1,014.20	124.760	4.5674
27	19,523.900	295,182.01	2,815.484	14.1190	82	154.376	832.04	107.279	4.3897
28	18,351.868	275,658.11	2,748.579	14.0207	83	129.709	677.66	91.351	4.2245
29	17,246.827	257,306.24	2,682.323	13.9190	84	108.202	547.95	77.186	4.0642
30	16,204.430	240,059.41	2,616.161	13.8144	85	89.766	439.75	64.875	3.8988
31	15,221.003	223,854.98	2,549.967	13.7070	86	74.084	349.98	54.273	3.7242
32	14,293.580	208,633.98	2,484.110	13.5963	87	60.744	275.90	45.127	3.5420
33	13,419.164	194,340.40	2,418.764	13.4823	88	49.400	215.16	37.222	3.3554
34	12,594.495	180,921.24	2,353.670	13.3651	89	39.734	165.76	30.351	3.1717
35	11,817.067	168,326.74	2,289.138	13.2444	90	31.520	126.02	24.387	2.9981
36	11,083.860	156,509.67	2,224.822	13.1205	91	24.598	94.50	19.248	2.8419
37	10,392.438	145,425.81	2,160.788	12.9934	92	18.855	69.90	14.899	2.7074
38	9,740.938	135,033.38	2,097.539	12.8625	93	14.199	51.05	11.309	2.5953
39	9,127.524	125,292.44	2,035.499	12.7269	94	10.552	36.85	8.466	2.4922
40	8,550.497	116,164.91	1,975.124	12.5857	95	7.774	26.30	6.285	2.3829
41	8,007.623	107,614.42	1,916.241	12.4390	96	5.672	18.52	4.623	2.2659
42	7,496.734	99,606.79	1,858.614	12.2867	97	4.078	12.85	3.350	2.1517
43	7,015.903	92,110.06	1,802.126	12.1288	98	2.886	8.77	2.389	2.0403
44	6,563.176	85,094.16	1,746.525	11.9654	99	2.008	5.89	1.675	1.9318
45	6,136.534	78,530.98	1,691.384	11.7973	100	1.373	3.88	1.153	1.8261
46	5,734.421	72,394.45	1,636.622	11.6245	101	0.921	2.51	0.779	1.7231
47	5,355.195	66,660.03	1,581.986	11.4477	102	0.605	1.59	0.515	1.6230
48	4,997.416	61,304.83	1,527.331	11.2673	103	0.389	0.98	0.333	1.5257
49	4,660.105	56,307.42	1,472.893	11.0829	104	0.244	0.59	0.210	1.4311
50	4,342.200	51,647.31	1,418.768	10.8943	105	0.149	0.35	0.129	1.3393
51	4,042.588	47,305.11	1,364.940	10.7017	106	0.089	0.20	0.077	1.2502
52	3,760.228	43,262.52	1,311.406	10.5053	107	0.051	0.11	0.045	1.1637
53	3,494.009	39,502.29	1,258.030	10.3057	108	0.029	0.06	0.025	1.0800
54	3,242.870	36,008.29	1,204.665	10.1038	109	0.016	0.03	0.014	0.9988

**Table 11.G. -- Actuarial Functions at 7.0 Percent Interest for 1989-91 United States
Black Males**

x	D_x	N_x	M_x	a_x	x	D_x	N_x	M_x	a_x
0	100,000.000	1,455,619.28	4,772.570	13.5562	55	1,793.416	18,141.54	606.587	9.1156
1	91,610.280	1,355,619.28	2,924.907	13.7977	56	1,644.489	16,348.12	574.985	8.9412
2	85,501.791	1,264,009.00	2,809.613	13.7834	57	1,505.722	14,703.63	543.802	8.7652
3	79,840.463	1,178,507.21	2,741.860	13.7608	58	1,376.533	13,197.91	513.118	8.5878
4	74,566.141	1,098,666.75	2,690.746	13.7341	59	1,256.381	11,821.38	483.020	8.4091
5	69,650.194	1,024,100.61	2,652.958	13.7035	60	1,144.747	10,565.00	453.579	8.2291
6	65,062.321	954,450.42	2,621.640	13.6698	61	1,041.278	9,420.25	425.000	8.0468
7	60,779.752	889,388.09	2,595.484	13.6330	62	945.497	8,378.97	397.340	7.8620
8	56,781.390	828,608.34	2,573.368	13.5930	63	856.849	7,433.48	370.547	7.6754
9	53,048.770	771,826.95	2,555.418	13.5494	64	774.765	6,576.63	344.518	7.4885
10	49,564.564	718,778.18	2,541.693	13.5019	65	698.819	5,801.86	319.258	7.3024
11	46,312.046	669,213.62	2,531.716	13.4501	66	628.677	5,103.04	294.833	7.1171
12	43,272.074	622,901.57	2,521.503	13.3950	67	564.110	4,474.37	271.394	6.9317
13	40,427.081	579,629.50	2,507.395	13.3377	68	504.827	3,910.26	249.016	6.7457
14	37,759.050	539,202.42	2,484.126	13.2801	69	450.521	3,405.43	227.736	6.5589
15	35,254.399	501,443.37	2,449.693	13.2236	70	400.827	2,954.91	207.515	6.3720
16	32,902.985	466,188.97	2,404.641	13.1686	71	355.386	2,554.08	188.297	6.1868
17	30,697.269	433,285.98	2,351.457	13.1148	72	313.870	2,198.69	170.030	6.0051
18	28,630.159	402,588.71	2,292.580	13.0617	73	276.070	1,884.82	152.764	5.8273
19	26,695.221	373,958.55	2,230.642	13.0084	74	241.874	1,608.75	136.628	5.6512
20	24,886.008	347,263.33	2,167.846	12.9542	75	211.132	1,366.88	121.710	5.4740
21	23,194.192	322,377.33	2,104.087	12.8991	76	183.647	1,155.75	108.037	5.2933
22	21,612.036	299,183.13	2,039.307	12.8434	77	159.127	972.10	95.532	5.1090
23	20,134.036	277,571.10	1,975.179	12.7862	78	137.306	812.97	84.120	4.9209
24	18,754.755	257,437.06	1,913.078	12.7265	79	117.868	675.67	73.665	4.7324
25	17,468.480	238,682.31	1,853.750	12.6636	80	100.560	557.80	64.068	4.5469
26	16,269.547	221,213.83	1,797.614	12.5968	81	85.145	457.24	55.232	4.3701
27	15,151.755	204,944.28	1,744.185	12.5261	82	71.481	372.10	47.138	4.2055
28	14,109.081	189,792.52	1,692.748	12.4518	83	59.498	300.61	39.832	4.0525
29	13,135.595	175,683.44	1,642.286	12.3746	84	49.169	241.12	33.395	3.9038
30	12,226.338	162,547.85	1,592.366	12.2949	85	40.410	191.95	27.853	3.7500
31	11,377.006	150,321.51	1,542.889	12.2127	86	33.039	151.54	23.125	3.5867
32	10,583.951	138,944.50	1,494.124	12.1278	87	26.836	118.50	19.084	3.4156
33	9,843.609	128,360.55	1,446.190	12.0400	88	21.621	91.66	15.624	3.2395
34	9,152.331	118,516.94	1,398.886	11.9494	89	17.228	70.04	12.645	3.0656
35	8,507.124	109,364.61	1,352.429	11.8557	90	13.539	52.81	10.084	2.9009
36	7,904.714	100,857.49	1,306.561	11.7592	91	10.467	39.27	7.897	2.7524
37	7,342.343	92,952.77	1,261.321	11.6598	92	7.948	28.81	6.064	2.6245
38	6,817.735	85,610.43	1,217.052	11.5570	93	5.929	20.86	4.565	2.5181
39	6,328.699	78,792.70	1,174.036	11.4501	94	4.365	14.93	3.389	2.4203
40	5,873.201	72,464.00	1,132.566	11.3381	95	3.186	10.57	2.495	2.3163
41	5,448.905	66,590.80	1,092.497	11.2210	96	2.303	7.38	1.820	2.2046
42	5,053.587	61,141.89	1,053.650	11.0987	97	1.640	5.08	1.308	2.0953
43	4,685.256	56,088.31	1,015.928	10.9712	98	1.150	3.44	0.925	1.9886
44	4,341.961	51,403.05	979.144	10.8387	99	0.793	2.29	0.643	1.8844
45	4,021.769	47,061.09	943.006	10.7016	100	0.537	1.49	0.439	1.7827
46	3,723.108	43,039.32	907.451	10.5601	101	0.357	0.96	0.294	1.6837
47	3,444.399	39,316.21	872.310	10.4145	102	0.232	0.60	0.193	1.5871
48	3,184.239	35,871.81	837.485	10.2654	103	0.148	0.37	0.124	1.4931
49	2,941.562	32,687.57	803.123	10.1123	104	0.092	0.22	0.077	1.4016
50	2,715.278	29,746.01	769.277	9.9551	105	0.056	0.13	0.047	1.3126
51	2,504.298	27,030.73	735.932	9.7937	106	0.033	0.07	0.028	1.2261
52	2,307.611	24,526.44	703.078	9.6285	107	0.019	0.04	0.016	1.1422
53	2,124.196	22,218.83	670.628	9.4599	108	0.010	0.02	0.009	1.0607
54	1,953.090	20,094.63	638.488	9.2886	109	0.006	0.01	0.005	0.9816

**Table 11.H. -- Actuarial Functions at 8.0 Percent Interest for 1989-91 United States
Black Males**

x	D_x	N_x	M_x	a_x	x	D_x	N_x	M_x	a_x
0	100,000.000	2,296,464.85	3,965.567	11.9646	55	1,075.183	10,143.47	323.814	8.4342
1	90,762.037	1,196,464.85	2,135.011	12.1824	56	976.770	9,068.29	305.044	8.2840
2	83,925.754	1,105,702.81	2,021.842	12.1748	57	886.066	8,091.52	286.694	8.1320
3	77,643.144	1,021,777.06	1,955.954	12.1599	58	802.542	7,205.46	268.805	7.9783
4	71,842.553	944,133.92	1,906.707	12.1417	59	725.709	6,402.91	251.420	7.8230
5	66,484.811	872,291.36	1,870.636	12.1202	60	655.105	5,677.20	234.571	7.6661
6	61,530.393	805,806.55	1,841.018	12.0961	61	590.375	5,022.10	218.368	7.5066
7	56,948.079	744,276.16	1,816.512	12.0694	62	531.107	4,431.72	202.831	7.3443
8	52,709.173	687,328.08	1,795.981	12.0400	63	476.854	3,900.62	187.919	7.1799
9	48,788.281	634,618.91	1,779.473	12.0076	64	427.180	3,423.76	173.568	7.0148
10	45,161.828	585,830.63	1,766.967	11.9718	65	381.739	2,996.58	159.769	6.8498
11	41,807.501	540,668.80	1,757.960	11.9323	66	340.243	2,614.84	146.551	6.6852
12	38,701.516	498,861.30	1,748.827	11.8900	67	302.472	2,274.60	133.983	6.5200
13	35,822.235	460,159.78	1,736.325	11.8456	68	268.179	1,972.13	122.095	6.3538
14	33,148.308	424,337.55	1,715.897	11.8012	69	237.114	1,703.95	110.895	6.1862
15	30,662.930	391,189.24	1,685.950	11.7577	70	209.006	1,466.84	100.351	6.0182
16	28,352.781	360,526.31	1,647.128	11.7157	71	183.596	1,257.83	90.423	5.8511
17	26,207.169	332,173.53	1,601.723	11.6749	72	160.646	1,074.24	81.073	5.6870
18	24,216.098	305,966.36	1,551.923	11.6348	73	139.991	913.59	72.318	5.5260
19	22,370.410	281,750.26	1,500.020	11.5948	74	121.515	773.60	64.212	5.3663
20	20,661.207	259,379.85	1,447.885	11.5540	75	105.089	652.08	56.786	5.2051
21	19,078.302	238,718.64	1,395.440	11.5126	76	90.562	546.99	50.044	5.0400
22	17,612.304	219,640.34	1,342.649	11.4708	77	77.744	456.43	43.934	4.8710
23	16,255.913	202,028.04	1,290.873	11.4280	78	66.462	378.69	38.411	4.6979
24	15,002.096	185,772.13	1,241.197	11.3831	79	56.525	312.23	33.397	4.5237
25	13,843.812	170,770.03	1,194.180	11.3355	80	47.778	255.70	28.837	4.3519
26	12,774.268	156,926.22	1,150.104	11.2846	81	40.080	207.92	24.678	4.1878
27	11,786.464	144,151.95	1,108.542	11.2303	82	33.336	167.84	20.903	4.0349
28	10,873.750	132,365.49	1,068.899	11.1729	83	27.491	134.51	17.527	3.8929
29	10,029.757	121,491.74	1,030.369	11.1131	84	22.508	107.02	14.581	3.7547
30	9,249.048	111,461.98	992.605	11.0512	85	18.327	84.51	12.067	3.6112
31	8,526.851	102,212.93	955.523	10.9872	86	14.845	66.18	9.943	3.4582
32	7,859.023	93,686.08	919.313	10.9208	87	11.947	51.34	8.144	3.2973
33	7,241.609	85,827.06	884.050	10.8519	88	9.536	39.39	6.618	3.1309
34	6,670.716	78,585.45	849.572	10.7807	89	7.528	29.86	5.316	2.9660
35	6,143.043	71,914.73	816.025	10.7067	90	5.861	22.33	4.207	2.8094
36	5,655.187	65,771.69	783.210	10.6303	91	4.489	16.47	3.269	2.6680
37	5,204.218	60,116.50	751.144	10.5515	92	3.377	11.98	2.490	2.5462
38	4,787.634	54,912.28	720.057	10.4696	93	2.496	8.60	1.859	2.4451
39	4,403.067	50,124.65	690.130	10.3840	94	1.821	6.10	1.369	2.3522
40	4,048.329	45,721.58	661.545	10.2939	95	1.317	4.28	0.999	2.2531
41	3,721.090	41,673.25	634.182	10.1992	96	0.943	2.97	0.723	2.1463
42	3,419.170	37,952.16	607.899	10.0998	97	0.665	2.02	0.515	2.0417
43	3,140.612	34,532.99	582.612	9.9956	98	0.462	1.36	0.361	1.9393
44	2,883.546	31,392.38	558.184	9.8867	99	0.316	0.90	0.249	1.8392
45	2,646.172	28,508.84	534.406	9.7736	100	0.212	0.58	0.169	1.7414
46	2,426.982	25,862.66	511.230	9.6563	101	0.139	0.37	0.112	1.6459
47	2,224.510	23,435.68	488.534	9.5352	102	0.090	0.23	0.073	1.5526
48	2,037.449	21,211.17	466.251	9.4107	103	0.057	0.14	0.046	1.4617
49	1,864.744	19,173.72	444.468	9.2822	104	0.035	0.08	0.029	1.3732
50	1,705.357	17,308.98	423.211	9.1498	105	0.021	0.05	0.017	1.2869
51	1,558.286	15,603.62	402.462	9.0133	106	0.012	0.03	0.010	1.2030
52	1,422.603	14,045.34	382.208	8.8730	107	0.007	0.01	0.006	1.1214
53	1,297.406	12,622.73	362.388	8.7292	108	0.004	0.01	0.003	1.0420
54	1,181.853	11,325.33	342.940	8.5827	109	0.002	0.00	0.002	0.9650

**Table 11.I. -- Actuarial Functions at 9.0 Percent Interest for 1989-91 United States
Black Males**

x	D_x	N_x	M_x	a_x	x	D_x	N_x	M_x	a_x
0	100,000.000	1,169,521.99	3,433.964	10.6952	55	647.637	5,724.20	174.996	7.8386
1	89,929.358	1,069,521.99	1,620.202	10.8929	56	582.960	5,076.56	163.794	7.7083
2	82,392.896	979,592.63	1,509.101	10.8893	57	523.974	4,493.60	152.943	7.5760
3	75,525.722	897,199.74	1,445.009	10.8794	58	470.228	3,969.63	142.461	7.4419
4	69,242.189	821,674.02	1,397.545	10.8667	59	421.309	3,499.40	132.368	7.3060
5	63,490.497	752,431.83	1,363.099	10.8511	60	376.831	3,078.09	122.676	7.1684
6	58,220.138	688,941.33	1,335.074	10.8334	61	336.481	2,701.26	113.441	7.0280
7	53,389.995	630,721.19	1,312.099	10.8135	62	299.924	2,364.78	104.667	6.8846
8	48,962.576	577,331.20	1,293.028	10.7913	63	266.817	2,064.86	96.324	6.7389
9	44,904.600	528,368.62	1,277.834	10.7665	64	236.830	1,798.04	88.368	6.5921
10	41,185.476	483,464.02	1,266.429	10.7387	65	209.695	1,561.21	80.788	6.4451
11	37,776.702	442,278.54	1,258.290	10.7077	66	185.186	1,351.51	73.593	6.2981
12	34,649.348	404,501.84	1,250.113	10.6742	67	163.118	1,166.33	66.815	6.1502
13	31,777.302	369,852.49	1,239.023	10.6389	68	143.297	1,003.21	60.463	6.0009
14	29,135.534	338,075.19	1,221.068	10.6035	69	125.536	859.91	54.534	5.8499
15	26,703.766	308,939.66	1,194.987	10.5691	70	109.639	734.38	49.003	5.6981
16	24,465.369	282,235.89	1,161.488	10.5361	71	95.426	624.74	43.842	5.5468
17	22,406.473	257,770.52	1,122.668	10.5043	72	82.732	529.31	39.027	5.3979
18	20,514.210	235,364.05	1,080.481	10.4732	73	71.433	446.58	34.560	5.2517
19	18,776.811	214,849.84	1,036.916	10.4423	74	61.437	375.15	30.461	5.1062
20	17,183.073	196,073.03	993.557	10.4108	75	52.644	313.71	26.742	4.9591
21	15,721.071	178,889.96	950.341	10.3790	76	44.951	261.07	23.395	4.8078
22	14,379.899	163,168.89	907.238	10.3470	77	38.234	216.11	20.390	4.6524
23	13,150.682	148,788.99	865.353	10.3142	78	32.386	177.88	17.699	4.4925
24	12,025.028	135,638.30	825.535	10.2797	79	27.291	145.49	15.278	4.3312
25	10,994.795	123,613.28	788.194	10.2429	80	22.856	118.20	13.096	4.1716
26	10,052.283	112,618.48	753.510	10.2033	81	18.998	95.35	11.125	4.0189
27	9,189.873	102,566.20	721.104	10.1608	82	15.656	76.35	9.352	3.8766
28	8,400.450	93,376.33	690.478	10.1156	83	12.793	60.69	7.781	3.7444
29	7,677.342	84,975.88	660.985	10.0684	84	10.378	47.90	6.423	3.6157
30	7,014.792	77,298.53	632.344	10.0194	85	8.373	37.52	5.274	3.4816
31	6,407.722	70,283.74	604.477	9.9686	86	6.720	29.15	4.313	3.3380
32	5,851.683	63,876.02	577.516	9.9158	87	5.358	22.43	3.506	3.1863
33	5,342.501	58,024.34	551.500	9.8609	88	4.238	17.07	2.828	3.0289
34	4,876.175	52,681.84	526.298	9.8039	89	3.315	12.83	2.255	2.8723
35	4,449.258	47,805.66	502.001	9.7446	90	2.557	9.52	1.771	2.7232
36	4,058.338	43,356.40	478.452	9.6833	91	1.941	6.96	1.366	2.5884
37	3,700.446	39,298.07	455.651	9.6198	92	1.447	5.02	1.032	2.4723
38	3,373.003	35,597.62	433.750	9.5537	93	1.059	3.58	0.764	2.3760
39	3,073.607	32,224.62	412.859	9.4843	94	0.766	2.52	0.558	2.2876
40	2,800.052	29,151.01	393.088	9.4109	95	0.548	1.75	0.404	2.1931
41	2,550.103	26,350.96	374.335	9.3333	96	0.389	1.20	0.290	2.0909
42	2,321.697	23,800.86	356.489	9.2515	97	0.272	0.81	0.205	1.9906
43	2,112.985	21,479.16	339.476	9.1653	98	0.187	0.54	0.143	1.8923
44	1,922.234	19,366.17	323.192	9.0748	99	0.127	0.35	0.097	1.7960
45	1,747.812	17,443.94	307.486	8.9804	100	0.084	0.23	0.065	1.7018
46	1,588.329	15,696.13	292.318	8.8822	101	0.055	0.14	0.043	1.6096
47	1,442.466	14,107.80	277.602	8.7803	102	0.035	0.09	0.028	1.5196
48	1,309.047	12,665.33	263.285	8.6752	103	0.022	0.05	0.018	1.4317
49	1,187.093	11,356.29	249.418	8.5665	104	0.013	0.03	0.011	1.3459
50	1,075.668	10,169.19	236.010	8.4538	105	0.008	0.02	0.006	1.2622
51	973.884	9,093.53	223.042	8.3374	106	0.005	0.01	0.004	1.1807
52	880.930	8,119.64	210.500	8.2171	107	0.003	0.01	0.002	1.1013
53	796.032	7,238.71	198.340	8.0935	108	0.001	0.00	0.001	1.0240
54	718.481	6,442.68	186.517	7.9671	109	0.001	0.00	0.001	0.9489

**Table 11.J. -- Actuarial Functions at 10.0 Percent Interest for 1989-91 United States
Black Males**

x	D_x	N_x	M_x	a_x	x	D_x	N_x	M_x	a_x
0	100,000.000	1,066,234.16	3,069.622	9.6623	55	391.914	3,258.68	95.671	7.3148
1	89,111.818	966,234.16	1,272.349	9.8429	56	349.568	2,866.76	88.954	7.2009
2	80,901.653	877,122.34	1,163.258	9.8418	57	311.342	2,517.19	82.506	7.0850
3	73,484.598	796,220.69	1,100.899	9.8352	58	276.866	2,205.85	76.334	6.9672
4	66,758.418	722,736.09	1,055.137	9.8261	59	245.808	1,928.99	70.446	6.8475
5	60,656.562	655,977.67	1,022.228	9.8146	60	217.859	1,683.18	64.843	6.7260
6	55,115.799	595,321.11	995.698	9.8013	61	192.763	1,465.32	59.552	6.6017
7	50,083.719	540,205.31	974.145	9.7860	62	170.258	1,272.56	54.571	6.4743
8	45,512.927	490,121.59	956.418	9.7688	63	150.087	1,102.30	49.878	6.3444
9	41,361.393	444,608.67	942.423	9.7494	64	132.008	952.21	45.443	6.2133
10	37,590.856	403,247.28	932.013	9.7273	65	115.821	820.20	41.257	6.0817
11	34,166.145	365,656.42	924.653	9.7023	66	101.354	704.38	37.319	5.9497
12	31,052.804	331,490.27	917.324	9.6751	67	88.464	603.03	33.643	5.8166
13	28,219.973	300,437.47	907.476	9.6463	68	77.008	514.56	30.230	5.6819
14	25,638.721	272,217.50	891.676	9.6174	69	66.850	437.56	27.072	5.5454
15	23,285.186	246,578.78	868.933	9.5895	70	57.854	370.71	24.153	5.4076
16	21,139.406	223,293.59	839.989	9.5629	71	49.896	312.85	21.455	5.2700
17	19,184.404	202,154.18	806.751	9.5374	72	42.865	262.96	18.960	5.1344
18	17,404.575	182,969.78	770.959	9.5127	73	36.675	220.09	16.667	5.0011
19	15,785.715	165,565.20	734.333	9.4883	74	31.256	183.42	14.582	4.8682
20	14,314.530	149,779.49	698.213	9.4635	75	26.539	152.16	12.706	4.7334
21	12,977.535	135,464.96	662.538	9.4384	76	22.455	125.62	11.035	4.5944
22	11,762.502	122,487.42	627.282	9.4134	77	18.926	103.17	9.547	4.4510
23	10,659.233	110,724.92	593.331	9.3877	78	15.885	84.24	8.227	4.3030
24	9,658.232	100,065.69	561.351	9.3607	79	13.265	68.35	7.050	4.1532
25	8,750.491	90,407.46	531.632	9.3317	80	11.008	55.09	6.000	4.0045
26	7,927.639	81,656.97	504.278	9.3003	81	9.066	44.08	5.059	3.8621
27	7,181.620	73,729.33	478.954	9.2664	82	7.404	35.02	4.221	3.7293
28	6,505.030	66,547.71	455.239	9.2302	83	5.995	27.61	3.485	3.6060
29	5,891.033	60,042.68	432.608	9.1922	84	4.819	21.62	2.854	3.4859
30	5,333.707	54,151.64	410.830	9.1527	85	3.852	16.80	2.325	3.3604
31	4,827.829	48,817.94	389.835	9.1118	86	3.064	12.95	1.887	3.2254
32	4,368.806	43,990.11	369.706	9.0691	87	2.421	9.88	1.522	3.0822
33	3,952.396	39,621.30	350.459	9.0246	88	1.897	7.46	1.219	2.9329
34	3,574.612	35,668.91	331.984	8.9784	89	1.470	5.56	0.965	2.7840
35	3,231.997	32,094.29	314.334	8.9302	90	1.124	4.09	0.752	2.6419
36	2,921.228	28,862.30	297.383	8.8802	91	0.845	2.97	0.575	2.5132
37	2,639.399	25,941.07	281.120	8.8284	92	0.624	2.12	0.431	2.4023
38	2,383.974	23,301.67	265.641	8.7743	93	0.453	1.50	0.317	2.3106
39	2,152.618	20,917.70	251.010	8.7173	94	0.324	1.05	0.229	2.2264
40	1,943.205	18,765.08	237.289	8.6568	95	0.230	0.72	0.165	2.1361
41	1,753.654	16,821.87	224.393	8.5925	96	0.162	0.49	0.117	2.0381
42	1,582.070	15,068.22	212.232	8.5244	97	0.112	0.33	0.082	1.9419
43	1,426.758	13,486.15	200.745	8.4523	98	0.077	0.22	0.057	1.8474
44	1,286.157	12,059.39	189.849	8.3763	99	0.051	0.14	0.038	1.7547
45	1,158.821	10,773.23	179.436	8.2967	100	0.034	0.09	0.026	1.6639
46	1,043.508	9,614.41	169.471	8.2135	101	0.022	0.06	0.017	1.5749
47	939.063	8,570.90	159.890	8.1271	102	0.014	0.03	0.011	1.4879
48	844.458	7,631.84	150.654	8.0376	103	0.009	0.02	0.007	1.4028
49	758.825	6,787.38	141.790	7.9446	104	0.005	0.01	0.004	1.3196
50	681.348	6,028.56	133.297	7.8480	105	0.003	0.01	0.002	1.2384
51	611.268	5,347.21	125.158	7.7477	106	0.002	0.00	0.001	1.1591
52	547.898	4,735.94	117.358	7.6438	107	0.001	0.00	0.001	1.0819
53	490.594	4,188.04	109.863	7.5367	108	0.001	0.00	0.000	1.0066
54	438.774	3,697.45	102.643	7.4268	109	0.000	0.00	0.000	0.9333

**Table 11.K. -- Actuarial Functions at 11.0 Percent Interest for 1989-91 United States
Black Males**

x	D_x	N_x	M_x	a_x	x	D_x	N_x	M_x	a_x
0	100,000.000	980,731.63	2,810.379	8.8073	55	238.246	1,870.55	52.876	6.8513
1	88,309.009	880,731.63	1,029.298	8.9733	56	210.589	1,632.30	48.829	6.7511
2	79,450.532	792,422.62	922.164	8.9738	57	185.871	1,421.71	44.980	6.6489
3	71,516.367	712,972.08	861.475	8.9694	58	163.800	1,235.84	41.329	6.5448
4	64,385.024	641,455.72	817.340	8.9628	59	144.115	1,072.04	37.876	6.4388
5	57,973.073	577,070.69	785.887	8.9541	60	126.578	927.93	34.621	6.3309
6	52,202.866	519,097.62	760.759	8.9439	61	110.988	801.35	31.575	6.2202
7	47,009.379	466,894.75	740.530	8.9319	62	97.147	690.36	28.733	6.1063
8	42,334.303	419,885.38	724.040	8.9183	63	84.866	593.21	26.079	5.9900
9	38,126.111	377,551.07	711.140	8.9027	64	73.971	508.35	23.594	5.8723
10	34,338.339	339,424.96	701.631	8.8847	65	64.316	434.38	21.269	5.7538
11	30,928.777	305,086.62	694.968	8.8642	66	55.775	370.06	19.102	5.6349
12	27,857.189	274,157.85	688.394	8.8415	67	48.243	314.29	17.098	5.5146
13	25,087.811	246,300.66	679.638	8.8175	68	41.618	266.04	15.253	5.3925
14	22,587.712	221,212.84	665.718	8.7935	69	35.802	224.43	13.562	5.2685
15	20,329.435	198,625.13	645.863	8.7703	70	30.705	188.62	12.013	5.1430
16	18,289.763	178,295.70	620.820	8.7484	71	26.243	157.92	10.594	5.0175
17	16,448.766	160,005.93	592.322	8.7275	72	22.342	131.67	9.293	4.8935
18	14,788.296	143,557.17	561.910	8.7075	73	18.943	109.33	8.109	4.7715
19	13,291.950	128,768.87	531.071	8.6877	74	15.999	90.39	7.041	4.6497
20	11,944.589	115,476.92	500.930	8.6677	75	13.462	74.39	6.090	4.5258
21	10,731.391	103,532.33	471.430	8.6476	76	11.288	60.93	5.250	4.3977
22	9,639.028	92,800.94	442.538	8.6276	77	9.428	49.64	4.509	4.2651
23	8,656.239	83,161.91	414.968	8.6072	78	7.842	40.21	3.857	4.1277
24	7,772.676	74,505.68	389.231	8.5856	79	6.489	32.37	3.282	3.9882
25	6,978.709	66,733.00	365.529	8.5624	80	5.337	25.88	2.772	3.8493
26	6,265.507	59,754.29	343.911	8.5370	81	4.356	20.54	2.320	3.7162
27	5,624.767	53,488.78	324.076	8.5095	82	3.525	16.19	1.921	3.5920
28	5,048.950	47,864.02	305.669	8.4800	83	2.828	12.66	1.574	3.4768
29	4,531.197	42,815.07	288.262	8.4490	84	2.253	9.83	1.279	3.3645
30	4,065.560	38,283.87	271.663	8.4166	85	1.785	7.58	1.034	3.2467
31	3,646.807	34,218.31	255.803	8.3831	86	1.407	5.80	0.833	3.1196
32	3,270.344	30,571.50	240.735	8.3481	87	1.102	4.39	0.667	2.9842
33	2,931.978	27,301.16	226.458	8.3115	88	0.856	3.29	0.530	2.8425
34	2,627.840	24,369.18	212.876	8.2735	89	0.657	2.43	0.416	2.7007
35	2,354.565	21,741.34	200.018	8.2337	90	0.498	1.77	0.322	2.5650
36	2,108.992	19,386.78	187.780	8.1924	91	0.371	1.28	0.244	2.4420
37	1,888.358	17,277.78	176.145	8.1496	92	0.272	0.91	0.182	2.3359
38	1,690.248	15,389.43	165.170	8.1048	93	0.195	0.63	0.132	2.2484
39	1,512.466	13,699.18	154.890	8.0575	94	0.139	0.44	0.095	2.1681
40	1,353.028	12,186.71	145.336	8.0070	95	0.097	0.30	0.068	2.0818
41	1,210.046	10,833.68	136.438	7.9531	96	0.068	0.20	0.048	1.9878
42	1,081.816	9,623.64	128.122	7.8958	97	0.047	0.14	0.033	1.8954
43	966.825	8,541.82	120.338	7.8349	98	0.032	0.09	0.023	1.8045
44	863.696	7,575.00	113.021	7.7704	99	0.021	0.06	0.015	1.7152
45	771.175	6,711.30	106.091	7.7027	100	0.014	0.04	0.010	1.6276
46	688.181	5,940.13	99.519	7.6316	101	0.009	0.02	0.007	1.5416
47	613.721	5,251.95	93.258	7.5575	102	0.005	0.01	0.004	1.4574
48	546.920	4,638.22	87.276	7.4806	103	0.003	0.01	0.003	1.3750
49	487.032	4,091.30	81.587	7.4005	104	0.002	0.00	0.002	1.2943
50	433.365	3,604.27	76.185	7.3169	105	0.001	0.00	0.001	1.2154
51	385.289	3,170.91	71.055	7.2299	106	0.001	0.00	0.001	1.1383
52	342.235	2,785.62	66.183	7.1395	107	0.000	0.00	0.000	1.0631
53	303.681	2,443.38	61.543	7.0459	108	0.000	0.00	0.000	0.9897
54	269.157	2,139.70	57.114	6.9497	109	0.000	0.00	0.000	0.9182

**Table 11.L. -- Actuarial Functions at 12.0 Percent Interest for 1989-91 United States
Black Males**

x	D_x	N_x	M_x	a_x	x	D_x	N_x	M_x	a_x
0	100,000.000	908,885.77	2,619.382	8.0889	55	145.478	1,082.22	29.526	6.4391
1	87,520.536	808,885.77	854.203	8.2422	56	127.442	936.75	27.077	6.3504
2	78,038.106	721,365.23	748.974	8.2438	57	111.479	809.30	24.768	6.2597
3	69,617.802	643,327.13	689.896	8.2408	58	97.364	697.82	22.598	6.1671
4	62,116.173	573,709.32	647.316	8.2361	59	84.899	600.46	20.564	6.0727
5	55,430.795	511,593.15	617.243	8.2294	60	73.902	515.56	18.663	5.9763
6	49,467.969	456,162.36	593.431	8.2214	61	64.221	441.66	16.900	5.8772
7	44,148.831	406,694.39	574.432	8.2119	62	55.711	377.44	15.271	5.7750
8	39,403.252	362,545.56	559.085	8.2009	63	48.233	321.73	13.762	5.6702
9	35,169.575	323,142.30	547.185	8.1881	64	41.666	273.49	12.363	5.5640
10	31,392.713	287,972.73	538.491	8.1732	65	35.904	231.83	11.065	5.4570
11	28,023.171	256,580.02	532.454	8.1560	66	30.858	195.93	9.866	5.3493
12	25,014.785	228,556.85	526.551	8.1369	67	26.453	165.07	8.767	5.2401
13	22,326.837	203,542.06	518.759	8.1165	68	22.616	138.61	7.764	5.1291
14	19,922.399	181,215.22	506.482	8.0961	69	19.282	116.00	6.854	5.0159
15	17,770.500	161,292.83	489.126	8.0764	70	16.389	96.72	6.027	4.9012
16	15,844.823	143,522.33	467.431	8.0580	71	13.883	80.33	5.276	4.7862
17	14,122.695	127,677.50	442.962	8.0406	72	11.713	66.44	4.594	4.6725
18	12,583.671	113,554.81	417.084	8.0240	73	9.843	54.73	3.979	4.5605
19	11,209.413	100,971.14	391.076	8.0077	74	8.239	44.89	3.429	4.4486
20	9,983.213	89,761.73	365.885	7.9913	75	6.870	36.65	2.944	4.3344
21	8,889.147	79,778.51	341.450	7.9748	76	5.709	29.78	2.519	4.2160
22	7,913.020	70,889.36	317.731	7.9586	77	4.726	24.07	2.147	4.0930
23	7,042.765	62,976.34	295.300	7.9420	78	3.896	19.34	1.823	3.9651
24	6,267.430	55,933.58	274.547	7.9245	79	3.195	15.45	1.540	3.8349
25	5,576.979	49,666.15	255.606	7.9056	80	2.604	12.25	1.291	3.7050
26	4,962.324	44,089.17	238.484	7.8848	81	2.107	9.65	1.073	3.5802
27	4,415.077	39,126.85	222.915	7.8621	82	1.690	7.54	0.882	3.4638
28	3,927.714	34,711.77	208.596	7.8377	83	1.344	5.85	0.717	3.3559
29	3,493.467	30,784.05	195.175	7.8119	84	1.061	4.51	0.578	3.2507
30	3,106.483	27,290.59	182.492	7.7850	85	0.833	3.45	0.463	3.1401
31	2,761.636	24,184.10	170.482	7.7572	86	0.651	2.62	0.370	3.0201
32	2,454.438	21,422.47	159.173	7.7281	87	0.505	1.96	0.294	2.8919
33	2,180.842	18,968.03	148.553	7.6976	88	0.389	1.46	0.232	2.7572
34	1,937.169	16,787.19	138.541	7.6658	89	0.296	1.07	0.181	2.6220
35	1,720.221	14,850.02	129.147	7.6326	90	0.222	0.78	0.139	2.4923
36	1,527.050	13,129.80	120.286	7.5981	91	0.164	0.55	0.105	2.3745
37	1,355.088	11,602.75	111.937	7.5624	92	0.119	0.39	0.077	2.2730
38	1,202.095	10,247.66	104.131	7.5248	93	0.085	0.27	0.056	2.1894
39	1,066.053	9,045.57	96.885	7.4851	94	0.060	0.19	0.040	2.1127
40	945.159	7,979.51	90.212	7.4425	95	0.042	0.13	0.028	2.0301
41	837.732	7,034.35	84.051	7.3969	96	0.029	0.08	0.020	1.9399
42	742.269	6,196.62	78.346	7.3482	97	0.020	0.06	0.014	1.8510
43	657.447	5,454.35	73.052	7.2963	98	0.013	0.04	0.009	1.7635
44	582.075	4,796.90	68.121	7.2410	99	0.009	0.02	0.006	1.6774
45	515.082	4,214.83	63.493	7.1828	100	0.006	0.01	0.004	1.5927
46	455.544	3,699.75	59.142	7.1216	101	0.004	0.01	0.003	1.5097
47	402.628	3,244.20	55.035	7.0576	102	0.002	0.01	0.002	1.4281
48	355.600	2,841.58	51.146	6.9909	103	0.001	0.00	0.001	1.3482
49	313.834	2,485.98	47.480	6.9213	104	0.001	0.00	0.001	1.2699
50	276.759	2,172.14	44.030	6.8485	105	0.000	0.00	0.000	1.1932
51	243.859	1,895.38	40.783	6.7724	106	0.000	0.00	0.000	1.1183
52	214.675	1,651.52	37.726	6.6931	107	0.000	0.00	0.000	1.0450
53	188.790	1,436.85	34.842	6.6108	108	0.000	0.00	0.000	0.9734
54	165.834	1,248.06	32.113	6.5260	109	0.000	0.00	0.000	0.9036

Table 12.A. -- Actuarial Functions at 1.0 Percent Interest for 1989-91 United States
Black Females

x	D_x	N_x	M_x	a_x	x	D_x	N_x	M_x	a_x
0	100,000.000	5,176,403.20	48,748.483	50.7640	55	50,212.188	1,086,611.17	39,453.661	20.6404
1	97,382.178	5,076,403.20	47,120.760	51.1287	56	49,228.730	1,036,398.98	38,967.354	20.0527
2	96,308.205	4,979,021.02	47,010.967	50.6988	57	48,227.498	987,170.25	38,453.535	19.4690
3	95,288.658	4,882,712.81	46,944.967	50.2413	58	47,204.207	938,942.75	37,907.744	18.8911
4	94,297.157	4,787,424.16	46,896.918	49.7695	59	46,154.198	891,738.54	37,325.104	18.3209
5	93,326.415	4,693,127.00	46,859.811	49.2872	60	45,074.117	845,584.35	36,701.995	17.7599
6	92,367.535	4,599,800.58	46,824.955	48.7989	61	43,966.754	800,510.23	36,040.910	17.2072
7	91,424.091	4,507,433.05	46,796.041	48.3025	62	42,833.732	756,543.47	35,343.203	16.6623
8	90,493.968	4,416,008.96	46,771.107	47.7989	63	41,677.699	713,709.74	34,611.266	16.1245
9	89,576.044	4,325,514.99	46,749.163	47.2887	64	40,498.040	672,032.04	33,844.257	15.5942
10	88,669.236	4,235,938.95	46,729.247	46.7724	65	39,296.280	631,534.00	33,043.468	15.0711
11	87,772.500	4,147,269.71	46,710.424	46.2502	66	38,073.382	592,237.72	32,209.642	14.5552
12	86,883.054	4,059,497.21	46,690.012	45.7237	67	36,833.368	554,164.34	31,346.593	14.0452
13	86,001.738	3,972,614.16	46,668.924	45.1923	68	35,577.577	517,330.97	30,455.488	13.5409
14	85,125.877	3,886,612.42	46,644.566	44.6572	69	34,309.322	481,753.40	29,539.486	13.0415
15	84,255.483	3,801,486.54	46,617.002	44.1186	70	33,027.312	447,444.07	28,597.173	12.5477
16	83,388.863	3,717,231.06	46,584.595	43.5771	71	31,730.815	414,416.76	27,627.679	12.0604
17	82,526.078	3,633,842.20	46,547.443	43.0327	72	30,418.163	382,685.95	26,629.193	11.5808
18	81,667.187	3,551,316.12	46,505.642	42.4852	73	29,089.700	352,267.78	25,601.900	11.1097
19	80,811.420	3,469,648.93	46,458.460	41.9351	74	27,748.646	323,178.08	24,548.863	10.6466
20	79,959.676	3,388,837.51	46,406.829	41.3818	75	26,401.426	295,429.44	23,476.382	10.1899
21	79,111.196	3,308,877.83	46,350.029	40.8257	76	25,054.692	269,028.01	22,391.048	9.7376
22	78,266.055	3,229,766.64	46,288.168	40.2665	77	23,712.052	243,973.32	21,296.474	9.2890
23	77,422.736	3,151,500.58	46,219.760	39.7051	78	22,372.834	220,261.27	20,192.029	8.8450
24	76,582.930	3,074,077.85	46,146.516	39.1405	79	21,030.473	197,888.43	19,071.182	8.4096
25	75,746.707	2,997,494.92	46,068.539	38.5726	80	19,678.667	176,857.96	17,927.598	7.9873
26	74,913.358	2,921,748.21	45,985.158	38.0017	81	18,313.155	157,179.29	16,756.924	7.5829
27	74,084.500	2,846,834.85	45,898.016	37.4269	82	16,938.702	138,866.14	15,563.790	7.1982
28	73,257.899	2,772,750.35	45,804.925	36.8492	83	15,566.903	121,927.44	14,359.701	6.8325
29	72,432.161	2,699,492.45	45,704.513	36.2693	84	14,219.307	106,360.53	13,166.233	6.4800
30	71,605.948	2,627,060.29	45,595.451	35.6877	85	12,914.898	92,141.22	12,002.609	6.1345
31	70,780.181	2,555,454.34	45,478.653	35.1041	86	11,662.123	79,226.33	10,877.704	5.7935
32	69,955.018	2,484,674.16	45,354.284	34.5182	87	10,458.135	67,564.20	9,789.183	5.4604
33	69,129.895	2,414,719.15	45,221.785	33.9302	88	9,305.591	57,106.07	8,740.184	5.1367
34	68,306.411	2,345,589.25	45,082.755	33.3392	89	8,206.192	47,800.48	7,732.920	4.8249
35	67,484.692	2,277,282.84	44,937.337	32.7452	90	7,161.548	39,594.29	6,769.525	4.5287
36	66,663.462	2,209,798.15	44,784.272	32.1486	91	6,172.772	32,432.74	5,851.656	4.2542
37	65,842.882	2,143,134.69	44,623.727	31.5492	92	5,247.713	26,259.97	4,987.713	4.0041
38	65,022.425	2,077,291.80	44,455.179	30.9473	93	4,399.823	21,012.25	4,191.781	3.7757
39	64,201.584	2,012,269.38	44,278.125	30.3430	94	3,644.738	16,612.43	3,480.258	3.5579
40	63,379.877	1,948,067.79	44,092.077	29.7364	95	2,986.939	12,967.69	2,858.546	3.3415
41	62,556.177	1,884,687.92	43,895.901	29.1279	96	2,417.824	9,980.75	2,319.004	3.1280
42	61,728.749	1,822,131.74	43,687.841	28.5184	97	1,925.737	7,562.93	1,850.856	2.9273
43	60,898.535	1,760,402.99	43,468.802	27.9071	98	1,507.299	5,637.19	1,451.485	2.7399
44	60,064.510	1,699,504.46	43,237.733	27.2947	99	1,157.874	4,129.89	1,116.984	2.5668
45	59,225.053	1,639,439.95	42,992.975	26.6815	100	874.046	2,972.02	844.620	2.4003
46	58,379.248	1,580,214.89	42,733.556	26.0681	101	647.452	2,097.97	626.680	2.2404
47	57,524.966	1,521,835.65	42,457.286	25.4552	102	469.915	1,450.52	455.554	2.0868
48	56,659.547	1,464,310.68	42,161.422	24.8440	103	333.607	980.61	323.898	1.9394
49	55,782.290	1,407,651.13	41,845.151	24.2347	104	231.233	647.00	224.827	1.7980
50	54,891.921	1,351,868.84	41,507.081	23.6278	105	156.153	415.77	152.037	1.6626
51	53,987.225	1,296,976.92	41,145.870	23.0238	106	102.501	259.61	99.931	1.5328
52	53,067.049	1,242,989.70	40,760.220	22.4230	107	65.231	157.11	63.676	1.4085
53	52,131.474	1,189,922.65	40,350.061	21.8254	108	40.129	91.88	39.219	1.2896
54	51,180.007	1,137,791.17	39,914.748	21.2312	109	23.784	51.75	23.271	1.1759

**Table 12.B. -- Actuarial Functions at 2.0 Percent Interest for 1989-91 United States
Black Females**

x	D_x	N_x	M_x	a_x	x	D_x	N_x	M_x	a_x
0	100,000.000	3,818,850.73	25,120.574	37.1885	55	29,206.213	555,392.07	18,316.173	18.0162
1	96,427.451	3,718,850.73	23,508.809	37.5663	56	28,353.452	526,185.85	18,036.083	17.5581
2	94,429.066	3,622,423.28	23,401.158	37.3613	57	27,504.468	497,832.40	17,743.048	17.1001
3	92,513.438	3,527,994.22	23,337.080	37.1349	58	26,656.948	470,327.93	17,434.831	16.6437
4	90,653.256	3,435,480.78	23,290.888	36.8969	59	25,808.462	443,670.99	17,109.031	16.1909
5	88,840.418	3,344,827.52	23,255.565	36.6498	60	24,957.401	417,862.52	16,764.018	15.7430
6	87,065.594	3,255,987.11	23,222.710	36.3969	61	24,105.588	392,905.12	16,401.566	15.2993
7	85,331.438	3,168,921.51	23,195.722	36.1366	62	23,254.149	368,799.53	16,022.785	14.8595
8	83,635.228	3,083,590.07	23,172.678	35.8695	63	22,404.717	345,545.39	15,629.317	14.4229
9	81,975.240	2,999,954.85	23,152.596	35.5959	64	21,557.130	323,140.67	15,221.038	13.9900
10	80,349.835	2,917,979.61	23,134.548	35.3159	65	20,712.359	301,583.54	14,798.957	13.5606
11	78,757.458	2,837,629.77	23,117.659	35.0300	66	19,871.049	280,871.18	14,363.771	13.1347
12	77,195.059	2,758,872.31	23,099.523	34.7390	67	19,035.398	261,000.13	13,917.749	12.7113
13	75,662.877	2,681,677.25	23,080.971	34.4424	68	18,206.150	241,964.73	13,461.743	12.2903
14	74,158.071	2,606,014.38	23,059.750	34.1413	69	17,385.015	223,758.58	12,997.592	11.8708
15	72,680.215	2,531,856.31	23,035.974	33.8356	70	16,571.330	206,373.57	12,524.790	11.4537
16	71,227.432	2,459,176.09	23,008.293	33.5257	71	15,764.731	189,802.24	12,043.119	11.0397
17	69,799.392	2,387,948.66	22,976.869	33.2116	72	14,964.407	174,037.51	11,551.907	10.6301
18	68,395.769	2,318,149.27	22,941.862	32.8932	73	14,170.559	159,073.10	11,051.479	10.2256
19	67,015.549	2,249,753.50	22,902.735	32.5706	74	13,384.765	144,902.54	10,543.539	9.8259
20	65,659.121	2,182,737.95	22,860.338	32.2435	75	12,610.071	131,517.77	10,031.291	9.4296
21	64,325.503	2,117,078.83	22,814.153	31.9120	76	11,849.511	118,907.70	9,517.987	9.0348
22	63,014.412	2,052,753.33	22,764.347	31.5759	77	11,104.569	107,058.19	9,005.388	8.6409
23	61,724.298	1,989,738.91	22,709.809	31.2359	78	10,374.681	95,953.62	8,493.238	8.2488
24	60,456.197	1,928,014.62	22,651.989	30.8911	79	9,656.595	85,578.94	7,978.576	7.8622
25	59,209.829	1,867,558.42	22,591.036	30.5414	80	8,947.297	75,922.35	7,458.623	7.4855
26	57,984.313	1,808,348.59	22,526.498	30.1869	81	8,244.808	66,975.05	6,931.572	7.1233
27	56,780.578	1,750,364.28	22,459.709	29.8268	82	7,551.248	58,730.24	6,399.674	6.7776
28	55,596.585	1,693,583.70	22,389.061	29.4620	83	6,871.665	51,179.00	5,868.156	6.4478
29	54,430.999	1,637,987.11	22,313.604	29.0929	84	6,215.262	44,307.33	5,346.490	6.1288
30	53,282.570	1,583,556.11	22,232.450	28.7200	85	5,589.760	38,092.07	4,842.857	5.8146
31	52,151.755	1,530,273.54	22,146.392	28.3427	86	4,998.055	32,502.31	4,360.754	5.5030
32	51,038.434	1,478,121.79	22,055.653	27.9610	87	4,438.118	27,504.25	3,898.819	5.1973
33	49,941.958	1,427,083.36	21,959.931	27.5748	88	3,910.297	23,066.14	3,458.020	4.8988
34	48,863.248	1,377,141.40	21,860.476	27.1836	89	3,414.512	19,155.84	3,038.907	4.6101
35	47,802.140	1,328,278.15	21,757.470	26.7870	90	2,950.632	15,741.33	2,641.979	4.3349
36	46,757.484	1,280,476.01	21,650.111	26.3855	91	2,518.313	12,790.70	2,267.515	4.0791
37	45,729.169	1,233,718.53	21,538.610	25.9788	92	2,119.926	10,272.38	1,918.506	3.8456
38	44,716.607	1,187,989.36	21,422.698	25.5671	93	1,759.977	8,152.46	1,600.125	3.6321
39	43,719.242	1,143,272.75	21,302.129	25.1503	94	1,443.641	6,392.48	1,318.299	3.4280
40	42,736.551	1,099,553.51	21,176.678	24.7286	95	1,171.495	4,948.84	1,074.459	3.2244
41	41,767.597	1,056,816.96	21,045.695	24.3023	96	938.988	3,777.34	864.922	3.0228
42	40,811.068	1,015,049.36	20,908.139	23.8719	97	740.549	2,838.36	684.894	2.8328
43	39,867.457	974,238.29	20,764.745	23.4369	98	573.954	2,097.81	532.821	2.6550
44	38,935.954	934,370.84	20,614.958	22.9976	99	436.577	1,523.85	406.697	2.4905
45	38,015.399	895,434.88	20,457.852	22.5545	100	326.328	1,087.28	305.009	2.3319
46	37,105.116	857,419.48	20,292.969	22.1079	101	239.358	760.95	224.438	2.1791
47	36,203.692	820,314.37	20,119.097	21.6583	102	172.021	521.59	161.794	2.0321
48	35,309.437	784,110.67	19,934.718	21.2068	103	120.926	349.57	114.072	1.8908
49	34,421.932	748,801.24	19,739.555	20.7536	104	82.995	228.64	78.512	1.7549
50	33,540.423	714,379.31	19,532.985	20.2991	105	55.498	145.65	52.642	1.6244
51	32,664.221	680,838.88	19,314.439	19.8436	106	36.073	90.15	34.305	1.4991
52	31,792.702	648,174.66	19,083.395	19.3875	107	22.731	54.08	21.671	1.3790
53	30,925.997	616,381.96	18,840.076	18.9309	108	13.847	31.35	13.232	1.2638
54	30,063.895	585,455.96	18,584.367	18.4737	109	8.126	17.50	7.783	1.1534

**Table 12.C. -- Actuarial Functions at 3.0 Percent Interest for 1989-91 United States
Black Females**

x	D_x	N_x	M_x	a_x	x	D_x	N_x	M_x	a_x
0	100,000.000	2,956,981.19	13,874.334	28.5698	55	17,078.013	288,374.00	8,678.770	15.8857
1	95,491.262	2,856,981.19	12,278.218	28.9188	56	16,418.406	271,295.99	8,516.581	15.5239
2	92,604.392	2,761,489.93	12,172.647	28.8203	57	15,772.162	254,877.58	8,348.543	15.1600
3	89,844.948	2,668,885.54	12,110.417	28.7055	58	15,137.751	239,105.42	8,173.515	14.7953
4	87,183.680	2,579,040.59	12,065.993	28.5817	59	14,513.629	223,967.67	7,990.299	14.4315
5	84,610.708	2,491,856.91	12,032.351	28.4508	60	13,898.764	209,454.04	7,798.161	14.0700
6	82,115.331	2,407,246.20	12,001.364	28.3154	61	13,294.056	195,555.28	7,598.271	13.7100
7	79,698.417	2,325,130.87	11,976.159	28.1741	62	12,699.984	182,261.22	7,391.404	13.3513
8	77,355.790	2,245,432.45	11,954.844	28.0273	63	12,117.279	169,561.24	7,178.603	12.9933
9	75,084.314	2,168,076.66	11,936.450	27.8752	64	11,545.681	157,443.96	6,959.934	12.6366
10	72,881.023	2,092,992.35	11,920.080	27.7179	65	10,985.533	145,898.28	6,736.069	12.2809
11	70,743.104	2,020,111.33	11,904.910	27.5556	66	10,436.991	134,912.74	6,507.493	11.9264
12	68,666.493	1,949,368.22	11,888.778	27.3889	67	9,901.008	124,475.75	6,275.501	11.5720
13	66,650.155	1,880,701.73	11,872.435	27.2175	68	9,377.747	114,574.74	6,040.618	11.2177
14	64,690.377	1,814,051.57	11,853.924	27.0421	69	8,867.852	105,197.00	5,803.861	10.8627
15	62,785.652	1,749,361.20	11,833.384	26.8624	70	8,370.736	96,329.15	5,565.033	10.5078
16	60,933.263	1,686,575.54	11,809.704	26.6791	71	7,885.983	87,958.41	5,324.087	10.1538
17	59,131.887	1,625,642.28	11,783.083	26.4918	72	7,412.961	80,072.43	5,080.754	9.8017
18	57,380.230	1,566,510.39	11,753.713	26.3005	73	6,951.558	72,659.47	4,835.262	9.4523
19	55,676.455	1,509,130.16	11,721.207	26.1054	74	6,502.327	65,707.91	4,588.505	9.1053
20	54,019.929	1,453,453.71	11,686.325	25.9059	75	6,066.505	59,205.58	4,342.071	8.7594
21	52,408.904	1,399,433.78	11,648.697	25.7022	76	5,645.266	53,139.08	4,097.526	8.4130
22	50,842.246	1,347,024.88	11,608.511	25.4942	77	5,239.003	47,493.81	3,855.688	8.0654
23	49,317.828	1,296,182.63	11,564.936	25.2822	78	4,847.130	42,254.81	3,616.407	7.7175
24	47,835.637	1,246,864.80	11,519.186	25.0656	79	4,467.832	37,407.68	3,378.288	7.3727
25	46,394.605	1,199,029.17	11,471.425	24.8442	80	4,099.469	32,939.85	3,140.056	7.0351
26	44,993.227	1,152,634.56	11,421.346	24.6180	81	3,740.927	28,840.38	2,900.916	6.7094
27	43,631.423	1,107,641.33	11,370.025	24.3863	82	3,392.973	25,099.45	2,661.921	6.3975
28	42,306.844	1,064,009.91	11,316.264	24.1498	83	3,057.642	21,706.48	2,425.414	6.0991
29	41,017.744	1,021,703.07	11,259.402	23.9088	84	2,738.716	18,648.84	2,195.546	5.8093
30	39,762.490	980,685.32	11,198.840	23.6636	85	2,439.179	15,910.12	1,975.777	5.5227
31	38,540.761	940,922.83	11,135.242	23.4137	86	2,159.804	13,470.94	1,767.447	5.2371
32	37,351.809	902,382.07	11,068.836	23.1590	87	1,899.220	11,311.14	1,569.769	4.9557
33	36,194.520	865,030.26	10,999.463	22.8995	88	1,657.101	9,411.92	1,382.968	4.6797
34	35,068.932	828,835.74	10,928.085	22.6345	89	1,432.950	7,754.82	1,207.081	4.4118
35	33,974.297	793,766.81	10,854.876	22.3637	90	1,226.254	6,321.87	1,042.122	4.1554
36	32,909.193	759,792.51	10,779.314	22.0875	91	1,036.425	5,095.61	888.009	3.9165
37	31,872.956	726,883.32	10,701.598	21.8056	92	863.996	4,059.19	745.767	3.6982
38	30,864.612	695,010.36	10,621.592	21.5180	93	710.332	3,195.19	617.268	3.4982
39	29,883.231	664,145.75	10,539.180	21.2247	94	577.001	2,484.86	504.626	3.3065
40	28,927.930	634,262.52	10,454.264	20.9256	95	463.682	1,907.86	408.114	3.1146
41	27,997.568	605,334.59	10,366.464	20.6210	96	368.047	1,444.18	325.983	2.9239
42	27,090.794	577,337.02	10,275.153	20.3112	97	287.448	1,076.13	256.104	2.7437
43	26,207.479	550,246.23	10,180.890	19.9958	98	220.621	788.68	197.649	2.5748
44	25,346.646	524,038.75	10,083.381	19.6749	99	166.185	568.06	149.640	2.4182
45	24,507.114	498,692.10	9,982.101	19.3489	100	123.012	401.88	111.307	2.2670
46	23,688.052	474,184.99	9,876.839	19.0179	101	89.352	278.86	81.230	2.1209
47	22,888.186	450,496.94	9,766.916	18.6825	102	63.592	189.51	58.072	1.9801
48	22,106.106	427,608.75	9,651.483	18.3435	103	44.269	125.92	40.602	1.8444
49	21,341.240	405,502.64	9,530.483	18.0009	104	30.089	81.65	27.710	1.7136
50	20,592.823	384,161.41	9,403.656	17.6551	105	19.924	51.56	18.423	1.5878
51	19,860.154	363,568.58	9,270.778	17.3064	106	12.825	31.64	11.903	1.4668
52	19,142.590	343,708.43	9,131.665	16.9552	107	8.003	18.81	7.455	1.3506
53	18,439.957	324,565.84	8,986.583	16.6012	108	4.828	10.81	4.513	1.2389
54	17,751.882	306,125.88	8,835.594	16.2447	109	2.806	5.98	2.632	1.1317

**Table 12.D. -- Actuarial Functions at 4.0 Percent Interest for 1989-91 United States
Black Females**

x	D_x	N_x	M_x	a_x	x	D_x	N_x	M_x	a_x
0	100,000.000	2,383,324.21	8,333.684	22.8332	55	10,038.089	151,943.01	4,194.127	14.1366
1	94,573.077	2,283,324.21	6,752.915	23.1435	56	9,557.594	141,904.93	4,099.712	13.8473
2	90,832.101	2,188,751.13	6,649.365	23.0967	57	9,093.115	132,347.33	4,002.833	13.5547
3	87,278.107	2,097,919.03	6,588.913	23.0372	58	8,643.442	123,254.22	3,902.895	13.2599
4	83,878.516	2,010,640.93	6,546.173	22.9709	59	8,207.393	114,610.78	3,799.287	12.9643
5	80,620.364	1,926,762.41	6,514.118	22.8992	60	7,784.116	106,403.38	3,691.678	12.6693
6	77,490.339	1,846,142.05	6,484.876	22.8242	61	7,373.854	98,619.27	3,580.805	12.3742
7	74,486.384	1,768,651.71	6,461.318	22.7446	62	6,976.604	91,245.41	3,467.165	12.0788
8	71,601.795	1,694,165.32	6,441.590	22.6609	63	6,592.496	84,268.81	3,351.388	11.7825
9	68,831.017	1,622,563.53	6,424.728	22.5731	64	6,221.115	77,676.31	3,233.564	11.4859
10	66,168.808	1,553,732.51	6,409.865	22.4813	65	5,862.376	71,455.20	3,114.099	11.1888
11	63,610.213	1,487,563.70	6,396.224	22.3856	66	5,516.095	65,592.82	2,993.294	10.8912
12	61,149.300	1,423,953.49	6,381.858	22.2865	67	5,182.505	60,076.73	2,871.862	10.5922
13	58,782.990	1,362,804.19	6,367.445	22.1836	68	4,861.415	54,894.22	2,750.099	10.2918
14	56,505.937	1,304,021.20	6,351.275	22.0776	69	4,552.883	50,032.81	2,628.545	9.9893
15	54,314.863	1,247,515.26	6,333.507	21.9682	70	4,256.333	45,479.92	2,507.106	9.6852
16	52,205.541	1,193,200.40	6,313.218	21.8558	71	3,971.291	41,223.59	2,385.768	9.3804
17	50,175.048	1,140,994.86	6,290.630	21.7403	72	3,697.187	37,252.30	2,264.407	9.0758
18	48,220.557	1,090,819.81	6,265.949	21.6215	73	3,433.727	33,555.11	2,143.146	8.7722
19	46,338.865	1,042,599.25	6,238.894	21.4995	74	3,180.946	30,121.38	2,022.432	8.4693
20	44,527.849	996,260.39	6,210.142	21.3739	75	2,939.206	26,940.44	1,903.035	8.1659
21	42,784.521	951,732.54	6,179.423	21.2448	76	2,708.817	24,001.23	1,785.693	7.8604
22	41,106.472	908,948.02	6,146.933	21.1120	77	2,489.704	21,292.42	1,670.765	7.5522
23	39,490.561	867,841.55	6,112.040	20.9759	78	2,281.328	18,802.71	1,558.147	7.2420
24	37,935.412	828,350.99	6,075.759	20.8358	79	2,082.590	16,521.38	1,447.152	6.9331
25	36,438.846	790,415.57	6,038.247	20.6916	80	1,892.511	14,438.79	1,337.173	6.6294
26	34,998.398	753,976.73	5,999.293	20.5432	81	1,710.385	12,546.28	1,227.836	6.3354
27	33,612.768	718,978.33	5,959.756	20.3900	82	1,536.381	10,835.90	1,119.616	6.0529
28	32,278.952	685,365.56	5,918.738	20.2326	83	1,371.226	9,299.52	1,013.552	5.7819
29	30,994.486	653,086.61	5,875.771	20.0711	84	1,216.391	7,928.29	911.457	5.5179
30	29,757.068	622,092.12	5,830.448	19.9057	85	1,072.936	6,711.90	814.786	5.2556
31	28,565.428	592,335.06	5,783.311	19.7361	86	940.911	5,638.96	724.028	4.9931
32	27,418.013	563,769.63	5,734.566	19.5620	87	819.433	4,698.05	638.738	4.7333
33	26,313.041	536,351.61	5,684.132	19.3835	88	708.094	3,878.62	558.917	4.4775
34	25,249.608	510,038.57	5,632.740	19.1999	89	606.425	3,170.52	484.481	4.2282
35	24,226.266	484,788.97	5,580.536	19.0109	90	513.961	2,564.10	415.342	3.9889
36	23,241.123	460,562.70	5,527.173	18.8167	91	430.221	2,050.14	351.369	3.7653
37	22,292.876	437,321.58	5,472.816	18.6171	92	355.197	1,619.92	292.892	3.5606
38	21,380.038	415,028.70	5,417.396	18.4120	93	289.216	1,264.72	240.573	3.3729
39	20,501.191	393,648.66	5,360.858	18.2013	94	232.671	975.50	195.151	3.1926
40	19,654.987	373,147.47	5,303.162	17.9849	95	185.178	742.83	156.608	3.0115
41	18,839.944	353,492.48	5,244.080	17.7629	96	145.571	557.66	124.123	2.8308
42	18,054.477	334,652.54	5,183.226	17.5357	97	112.599	412.08	96.750	2.6597
43	17,297.858	316,598.06	5,121.009	17.3027	98	85.591	299.49	74.072	2.4990
44	16,568.815	299,300.20	5,057.269	17.0641	99	63.852	213.89	55.626	2.3498
45	15,865.984	282,731.39	4,991.700	16.8200	100	46.810	150.04	41.039	2.2053
46	15,188.262	266,865.41	4,924.208	16.5705	101	33.674	103.23	29.704	2.0656
47	14,534.296	251,677.14	4,854.406	16.3161	102	23.736	69.56	21.060	1.9305
48	13,902.687	237,142.85	4,781.809	16.0573	103	16.365	45.82	14.602	1.8001
49	13,292.603	223,240.16	4,706.443	15.7943	104	11.016	29.46	9.883	1.6742
50	12,703.113	209,947.56	4,628.207	15.5273	105	7.224	18.44	6.515	1.5528
51	12,133.351	197,244.44	4,547.026	15.2564	106	4.605	11.22	4.174	1.4359
52	11,582.511	185,111.09	4,462.854	14.9819	107	2.846	6.61	2.592	1.3233
53	11,050.090	173,528.58	4,375.914	14.7038	108	1.700	3.77	1.556	1.2149
54	10,535.477	162,478.49	4,286.304	14.4220	109	0.979	2.07	0.899	1.1108

Table 12.E. -- Actuarial Functions at 5.0 Percent Interest for 1989-91 United States Black Females

x	D_x	N_x	M_x	a_x	x	D_x	N_x	M_x	a_x
0	100,000.000	1,984,503.70	5,499.824	18.8450	55	5,930.253	81,159.44	2,065.518	12.6857
1	93,672.381	1,884,503.70	3,934.110	19.1180	56	5,592.614	75,229.19	2,010.271	12.4515
2	89,110.204	1,790,831.32	3,832.522	19.0968	57	5,270.150	69,636.57	1,954.123	12.2134
3	84,808.120	1,701,721.11	3,773.781	19.0655	58	4,961.820	64,366.42	1,896.753	11.9723
4	80,728.503	1,616,912.99	3,732.646	19.0290	59	4,666.633	59,404.60	1,837.842	11.7297
5	76,853.731	1,536,184.49	3,702.089	18.9884	60	4,383.810	54,737.97	1,777.240	11.4864
6	73,166.420	1,459,330.76	3,674.479	18.9454	61	4,113.211	50,354.16	1,715.394	11.2421
7	69,660.273	1,386,164.34	3,652.448	18.8989	62	3,854.558	46,240.95	1,652.608	10.9964
8	66,324.843	1,316,504.07	3,634.173	18.8493	63	3,607.650	42,386.39	1,589.251	10.7490
9	63,151.046	1,250,179.22	3,618.702	18.7967	64	3,371.994	38,778.74	1,525.387	10.5002
10	60,130.348	1,187,028.18	3,605.196	18.7409	65	3,147.287	35,406.75	1,461.251	10.2499
11	57,254.719	1,126,897.83	3,592.918	18.6822	66	2,933.178	32,259.46	1,397.013	9.9981
12	54,515.497	1,069,643.11	3,580.111	18.6209	67	2,729.546	29,326.28	1,333.056	9.7440
13	51,906.793	1,015,127.61	3,567.383	18.5567	68	2,536.048	26,596.74	1,269.537	9.4875
14	49,420.899	963,220.82	3,553.241	18.4902	69	2,352.476	24,060.69	1,206.729	9.2278
15	47,052.131	913,799.92	3,537.848	18.4210	70	2,178.304	21,708.21	1,144.579	8.9656
16	44,794.145	866,747.79	3,520.440	18.3496	71	2,013.068	19,529.91	1,083.073	8.7016
17	42,641.893	821,953.65	3,501.243	18.2757	72	1,856.275	17,516.84	1,022.140	8.4366
18	40,590.551	779,311.75	3,480.467	18.1993	73	1,707.579	15,660.57	961.837	8.1712
19	38,635.110	738,721.20	3,457.910	18.1205	74	1,566.806	13,952.99	902.378	7.9054
20	36,771.599	700,086.09	3,434.166	18.0388	75	1,433.947	12,386.18	844.129	7.6378
21	34,995.445	663,314.49	3,409.040	17.9543	76	1,308.961	10,952.23	787.426	7.3671
22	33,302.673	628,319.05	3,382.718	17.8669	77	1,191.623	9,643.27	732.420	7.0926
23	31,688.832	595,016.38	3,354.719	17.7768	78	1,081.491	8,451.65	679.031	6.8148
24	30,151.004	563,327.54	3,325.882	17.6835	79	977.874	7,370.16	626.914	6.5369
25	28,685.711	533,176.54	3,296.352	17.5868	80	880.160	6,392.28	575.766	6.2626
26	27,289.351	504,490.83	3,265.978	17.4867	81	787.882	5,512.12	525.400	5.9961
27	25,959.323	477,201.48	3,235.443	17.3827	82	700.987	4,724.24	476.024	5.7394
28	24,691.789	451,242.15	3,204.067	17.2750	83	619.676	4,023.25	428.092	5.4925
29	23,483.434	426,550.37	3,171.512	17.1639	84	544.468	3,403.58	382.393	5.2512
30	22,331.163	403,066.93	3,137.500	17.0495	85	475.683	2,859.11	339.535	5.0105
31	21,232.737	380,735.77	3,102.462	16.9315	86	413.177	2,383.43	299.680	4.7685
32	20,185.767	359,503.03	3,066.575	16.8097	87	356.406	1,970.25	262.584	4.5281
33	19,187.764	339,317.26	3,029.799	16.6840	88	305.047	1,613.85	228.197	4.2905
34	18,236.942	320,129.50	2,992.680	16.5539	89	258.760	1,308.80	196.436	4.0580
35	17,331.170	301,892.56	2,955.334	16.4191	90	217.217	1,050.04	167.215	3.8341
36	16,468.064	284,561.39	2,917.522	16.2796	91	180.094	832.82	140.436	3.6244
37	15,645.722	268,093.32	2,879.373	16.1352	92	147.272	652.73	116.190	3.4321
38	14,862.162	252,447.60	2,840.848	15.9859	93	118.773	505.46	94.704	3.2556
39	14,115.513	237,585.44	2,801.920	15.8315	94	94.641	386.68	76.228	3.0858
40	13,403.999	223,469.93	2,762.574	15.6719	95	74.606	292.04	60.699	2.9145
41	12,725.805	210,065.93	2,722.666	15.5071	96	58.090	217.44	47.736	2.7431
42	12,079.101	197,340.12	2,681.952	15.3373	97	44.505	159.35	36.917	2.5804
43	11,462.677	185,261.02	2,640.724	15.1621	98	33.508	114.84	28.039	2.4273
44	10,874.999	173,798.35	2,598.887	14.9815	99	24.759	81.33	20.886	2.2849
45	10,314.515	162,923.35	2,556.261	14.7955	100	17.978	56.57	15.284	2.1468
46	9,779.889	152,608.83	2,512.802	14.6044	101	12.810	38.60	10.972	2.0129
47	9,269.662	142,828.94	2,468.283	14.4082	102	8.943	25.79	7.715	1.8833
48	8,782.389	133,559.28	2,422.424	14.2076	103	6.107	16.84	5.305	1.7578
49	8,317.025	124,776.89	2,375.268	14.0026	104	4.072	10.74	3.561	1.6365
50	7,872.491	116,459.87	2,326.783	13.7933	105	2.645	6.66	2.328	1.5192
51	7,447.780	108,587.38	2,276.952	13.5798	106	1.670	4.02	1.479	1.4061
52	7,041.948	101,139.60	2,225.777	13.3624	107	1.022	2.35	0.911	1.2970
53	6,654.263	94,097.65	2,173.423	13.1410	108	0.605	1.33	0.542	1.1918
54	6,283.945	87,443.39	2,119.974	12.9154	109	0.345	0.72	0.311	1.0906

**Table 12.F. -- Actuarial Functions at 6.0 Percent Interest for 1989-91 United States
Black Females**

x	D_x	N_x	M_x	a_x	x	D_x	N_x	M_x	a_x
0	100,000.000	1,696,176.15	3,990.029	15.9618	55	3,520.968	43,906.37	1,035.702	11.4700
1	92,788.679	1,596,176.15	2,439.086	16.2023	56	3,289.176	40,385.41	1,003.210	11.2783
2	87,436.810	1,503,387.47	2,339.406	16.1940	57	3,070.285	37,096.23	970.499	11.0823
3	82,430.463	1,415,950.66	2,282.312	16.1775	58	2,863.388	34,025.94	937.391	10.8831
4	77,724.983	1,333,520.20	2,242.708	16.1569	59	2,667.634	31,162.56	903.716	10.6817
5	73,296.312	1,255,795.21	2,213.565	16.1331	60	2,482.320	28,494.92	869.400	10.4792
6	69,121.381	1,182,498.90	2,187.481	16.1076	61	2,307.121	26,012.60	834.710	10.2749
7	65,188.233	1,113,377.52	2,166.864	16.0794	62	2,141.645	23,705.48	799.825	10.0688
8	61,481.393	1,048,189.29	2,149.924	16.0489	63	1,985.550	21,563.84	764.955	9.8604
9	57,987.109	986,707.89	2,135.718	16.0160	64	1,838.343	19,578.29	730.138	9.6500
10	54,692.535	928,720.78	2,123.434	15.9808	65	1,699.650	17,739.94	695.502	9.4374
11	51,585.668	874,028.25	2,112.371	15.9432	66	1,569.080	16,040.29	661.139	9.2227
12	48,654.295	822,442.58	2,100.941	15.9038	67	1,446.374	14,471.21	627.248	9.0052
13	45,889.026	773,788.29	2,089.689	15.8622	68	1,331.162	13,024.84	593.907	8.7846
14	43,279.149	727,899.26	2,077.304	15.8187	69	1,223.157	11,693.68	561.251	8.5602
15	40,816.034	684,620.11	2,063.952	15.7733	70	1,121.912	10,470.52	529.241	8.3327
16	38,490.734	643,804.08	2,048.993	15.7262	71	1,027.028	9,348.61	497.862	8.1026
17	36,295.673	605,313.34	2,032.653	15.6773	72	938.101	8,321.58	467.068	7.8707
18	34,223.684	569,017.67	2,015.136	15.6264	73	854.813	7,383.48	436.881	7.6375
19	32,267.655	534,793.99	1,996.297	15.5737	74	776.943	6,528.67	407.396	7.4030
20	30,421.540	502,526.33	1,976.653	15.5188	75	704.353	5,751.72	378.784	7.1660
21	28,678.975	472,104.79	1,956.062	15.4617	76	636.895	5,047.37	351.195	6.9250
22	27,034.269	443,425.82	1,934.694	15.4024	77	574.332	4,410.47	324.683	6.6793
23	25,481.513	416,391.55	1,912.180	15.3409	78	516.334	3,836.14	299.194	6.4296
24	24,016.194	390,910.04	1,889.211	15.2769	79	462.460	3,319.81	274.546	6.1786
25	22,633.487	366,893.84	1,865.911	15.2102	80	412.322	2,857.35	250.585	5.9299
26	21,328.607	344,260.36	1,842.172	15.1408	81	365.611	2,445.03	227.213	5.6875
27	20,097.687	322,931.75	1,818.532	15.0681	82	322.220	2,079.42	204.517	5.4534
28	18,936.020	302,834.06	1,794.469	14.9925	83	282.156	1,757.20	182.692	5.2277
29	17,839.439	283,898.04	1,769.738	14.9141	84	245.573	1,475.04	162.080	5.0065
30	16,804.065	266,058.60	1,744.144	14.8330	85	212.525	1,229.47	142.932	4.7851
31	15,826.775	249,254.54	1,718.028	14.7489	86	182.857	1,016.94	125.294	4.5614
32	14,904.422	233,427.76	1,691.530	14.6616	87	156.244	834.09	109.032	4.3383
33	14,033.877	218,523.34	1,664.632	14.5711	88	132.467	677.84	94.099	4.1170
34	13,212.614	204,489.46	1,637.739	14.4768	89	111.307	545.37	80.437	3.8997
35	12,437.929	191,276.85	1,610.937	14.3785	90	92.556	434.07	67.986	3.6898
36	11,707.015	178,838.92	1,584.057	14.2762	91	76.014	341.51	56.683	3.4928
37	11,017.490	167,131.90	1,557.193	14.1697	92	61.574	265.50	46.546	3.3119
38	10,366.985	156,114.42	1,530.320	14.0588	93	49.190	203.92	37.647	3.1456
39	9,753.277	145,747.43	1,503.423	13.9434	94	38.826	154.73	30.068	2.9853
40	9,174.275	135,994.15	1,476.492	13.8234	95	30.318	115.91	23.757	2.8231
41	8,627.919	126,819.88	1,449.435	13.6988	96	23.384	85.59	18.539	2.6602
42	8,112.203	118,191.96	1,422.093	13.5696	97	17.746	62.21	14.225	2.5053
43	7,625.595	110,079.76	1,394.665	13.4356	98	13.235	44.46	10.718	2.3593
44	7,166.388	102,454.16	1,367.096	13.2965	99	9.687	31.22	7.920	2.2233
45	6,732.918	95,287.77	1,339.271	13.1525	100	6.968	21.54	5.749	2.0911
46	6,323.709	88,554.85	1,311.170	13.0036	101	4.918	14.57	4.093	1.9627
47	5,937.249	82,231.15	1,282.656	12.8500	102	3.401	9.65	2.855	1.8381
48	5,572.082	76,293.90	1,253.560	12.6922	103	2.301	6.25	1.947	1.7173
49	5,227.045	70,721.81	1,223.924	12.5300	104	1.519	3.95	1.296	1.6003
50	4,900.990	65,494.77	1,193.739	12.3636	105	0.978	2.43	0.840	1.4870
51	4,592.847	60,593.78	1,163.010	12.1931	106	0.611	1.45	0.529	1.3775
52	4,301.613	56,000.93	1,131.749	12.0186	107	0.371	0.84	0.323	1.2717
53	4,026.447	51,699.32	1,100.070	11.8399	108	0.217	0.47	0.191	1.1696
54	3,766.499	47,672.87	1,068.034	11.6571	109	0.123	0.25	0.108	1.0711

**Table 12.G. -- Actuarial Functions at 7.0 Percent Interest for 1989-91 United States
Black Females**

x	D _x	N _x	M _x	a _x	x	D _x	N _x	M _x	a _x
0	100,000.000	1,480,434.40	3,149.151	13.8043	55	2,100.762	24,036.72	528.267	10.4419
1	91,921.495	1,380,434.40	1,612.703	14.0175	56	1,944.124	21,935.95	509.062	10.2832
2	85,810.114	1,288,512.91	1,514.878	14.0159	57	1,797.785	19,991.83	489.908	10.1203
3	80,140.860	1,202,702.79	1,459.369	14.0074	58	1,660.968	18,194.04	470.704	9.9539
4	74,859.856	1,122,561.93	1,421.225	13.9955	59	1,532.955	16,533.08	451.352	9.7851
5	69,934.675	1,047,702.08	1,393.418	13.9812	60	1,413.133	15,000.12	431.817	9.6148
6	65,334.855	977,767.40	1,368.763	13.9655	61	1,301.121	13,586.99	412.253	9.4425
7	61,041.307	912,432.55	1,349.458	13.9478	62	1,196.512	12,285.87	392.763	9.2681
8	57,032.236	851,391.24	1,333.744	13.9282	63	1,098.936	11,089.36	373.464	9.0910
9	53,288.101	794,359.00	1,320.690	13.9069	64	1,007.953	9,990.42	354.374	8.9116
10	49,790.780	741,070.90	1,309.506	13.8837	65	923.199	8,982.47	335.561	8.7297
11	46,523.462	691,280.12	1,299.529	13.8587	66	844.312	8,059.27	317.070	8.5454
12	43,469.659	644,756.66	1,289.317	13.8323	67	771.011	7,214.96	299.004	8.3578
13	40,615.890	601,287.00	1,279.357	13.8042	68	702.964	6,443.95	281.397	8.1668
14	37,947.917	560,671.11	1,268.499	13.7748	69	639.891	5,740.98	264.313	7.9718
15	35,453.745	522,723.19	1,256.900	13.7438	70	581.440	5,101.09	247.724	7.7732
16	33,121.469	487,269.45	1,244.028	13.7116	71	527.291	4,519.65	231.613	7.5715
17	30,940.715	454,147.98	1,230.099	13.6780	72	477.133	3,992.36	215.951	7.3674
18	28,901.763	423,207.26	1,215.306	13.6430	73	430.709	3,515.23	200.741	7.1615
19	26,995.232	394,305.50	1,199.545	13.6065	74	387.814	3,084.52	186.024	6.9536
20	25,212.908	367,310.27	1,183.265	13.5683	75	348.295	2,696.70	171.875	6.7426
21	23,546.560	342,097.36	1,166.359	13.5285	76	311.994	2,348.41	158.360	6.5271
22	21,988.751	318,550.80	1,148.979	13.4870	77	278.717	2,036.41	145.494	6.3064
23	20,532.093	296,562.05	1,130.837	13.4438	78	248.230	1,757.70	133.240	6.0809
24	19,170.537	276,029.96	1,112.503	13.3987	79	220.252	1,509.47	121.501	5.8534
25	17,897.965	256,859.42	1,094.078	13.3513	80	194.538	1,289.22	110.196	5.6271
26	16,708.473	238,961.46	1,075.481	13.3018	81	170.887	1,094.68	99.272	5.4059
27	15,597.049	222,252.98	1,057.135	13.2497	82	149.198	923.79	88.763	5.1917
28	14,558.182	206,655.93	1,038.635	13.1952	83	129.426	774.59	78.752	4.9848
29	13,586.942	192,097.75	1,019.800	13.1384	84	111.593	645.17	69.386	4.7814
30	12,678.766	178,510.81	1,000.489	13.0795	85	95.672	533.57	60.766	4.5771
31	11,829.793	165,832.04	980.968	13.0182	86	81.548	437.90	52.900	4.3699
32	11,036.261	154,002.25	961.347	12.9542	87	69.028	356.35	45.715	4.1625
33	10,294.531	142,965.99	941.616	12.8876	88	57.977	287.33	39.180	3.9559
34	9,601.514	132,671.46	922.073	12.8178	89	48.260	229.35	33.256	3.7524
35	8,954.083	123,069.94	902.779	12.7446	90	39.755	181.09	27.908	3.5551
36	8,349.132	114,115.86	883.608	12.6680	91	32.345	141.33	23.098	3.3696
37	7,783.947	105,766.73	864.629	12.5878	92	25.955	108.99	18.825	3.1991
38	7,255.909	97,982.78	845.820	12.5039	93	20.541	83.03	15.109	3.0423
39	6,762.573	90,726.87	827.171	12.4160	94	16.062	62.49	11.974	2.8907
40	6,301.664	83,964.30	808.672	12.3241	95	12.425	46.43	9.388	2.7369
41	5,870.994	77,662.64	790.261	12.2282	96	9.494	34.01	7.269	2.5819
42	5,468.479	71,791.64	771.829	12.1283	97	7.137	24.51	5.534	2.4343
43	5,092.411	66,323.16	753.513	12.0239	98	5.273	17.37	4.137	2.2948
44	4,741.024	61,230.75	735.274	11.9151	99	3.824	12.10	3.032	2.1648
45	4,412.628	56,489.73	717.038	11.8018	100	2.725	8.28	2.183	2.0381
46	4,105.707	52,077.10	698.794	11.6841	101	1.905	5.55	1.542	1.9148
47	3,818.769	47,971.39	680.454	11.5620	102	1.305	3.65	1.066	1.7950
48	3,550.404	44,152.62	661.914	11.4359	103	0.875	2.34	0.721	1.6786
49	3,299.427	40,602.22	643.207	11.3058	104	0.572	1.47	0.476	1.5656
50	3,064.702	37,302.79	624.332	11.1718	105	0.365	0.90	0.306	1.4561
51	2,845.171	34,238.09	605.296	11.0338	106	0.226	0.53	0.191	1.3500
52	2,639.854	31,392.92	586.112	10.8919	107	0.136	0.31	0.116	1.2474
53	2,447.894	28,753.07	566.852	10.7460	108	0.079	0.17	0.068	1.1481
54	2,268.457	26,305.17	547.558	10.5961	109	0.044	0.09	0.038	1.0522

**Table 12.H. -- Actuarial Functions at 8.0 Percent Interest for 1989-91 United States
Black Females**

x	D_x	N_x	M_x	a_x	x	D_x	N_x	M_x	a_x
0	100,000.000	1,314,118.93	2,657.857	12.1412	55	1,259.442	13,305.85	273.824	9.5649
1	91,070.370	1,214,118.93	1,135.634	12.3317	56	1,154.743	12,046.41	262.416	9.4321
2	84,228.395	1,123,048.56	1,039.613	12.3334	57	1,057.935	10,891.66	251.145	9.2952
3	77,935.274	1,038,820.17	985.632	12.3293	58	968.373	9,833.73	239.948	9.1549
4	72,125.539	960,884.89	948.880	12.3224	59	885.464	8,865.35	228.771	9.0121
5	66,756.364	888,759.36	922.338	12.3135	60	808.694	7,979.89	217.591	8.8676
6	61,788.132	822,002.99	899.021	12.3036	61	737.699	7,171.20	206.499	8.7210
7	57,193.145	760,214.86	880.933	12.2921	62	672.107	6,433.50	195.551	8.5721
8	52,942.029	703,021.71	866.346	12.2791	63	611.581	5,761.39	184.811	8.4205
9	49,008.391	650,079.69	854.340	12.2647	64	555.753	5,149.81	174.285	8.2664
10	45,367.949	601,071.30	844.150	12.2488	65	504.309	4,594.06	164.008	8.1096
11	41,998.354	555,703.35	835.143	12.2316	66	456.945	4,089.75	154.001	7.9502
12	38,878.231	513,704.99	826.010	12.2132	67	413.411	3,632.80	144.314	7.7874
13	35,989.537	474,826.76	817.185	12.1935	68	373.434	3,219.39	134.961	7.6210
14	33,314.113	438,837.22	807.652	12.1727	69	336.781	2,845.96	125.969	7.4505
15	30,836.313	405,523.11	797.564	12.1508	70	303.184	2,509.18	117.319	7.2761
16	28,541.050	374,686.80	786.472	12.1280	71	272.403	2,205.99	108.996	7.0983
17	26,415.006	346,145.75	774.581	12.1041	72	244.209	1,933.59	100.980	6.9178
18	24,445.827	319,730.74	762.068	12.0792	73	218.406	1,689.38	93.267	6.7350
19	22,621.817	295,284.91	748.860	12.0531	74	194.834	1,470.97	85.873	6.5499
20	20,932.610	272,663.10	735.344	12.0258	75	173.360	1,276.14	78.831	6.3612
21	19,368.141	251,730.49	721.438	11.9971	76	153.854	1,102.78	72.166	6.1677
22	17,919.300	232,362.35	707.275	11.9672	77	136.171	948.93	65.880	5.9686
23	16,577.298	214,443.05	692.628	11.9359	78	120.153	812.76	59.949	5.7643
24	15,334.684	197,865.75	677.961	11.9032	79	105.624	692.60	54.320	5.5573
25	14,184.179	182,531.06	663.360	11.8686	80	92.428	586.98	48.948	5.3506
26	13,118.898	168,346.89	648.758	11.8324	81	80.440	494.55	43.806	5.1481
27	12,132.856	155,227.99	634.487	11.7940	82	69.580	414.11	38.905	4.9516
28	11,219.869	143,095.13	620.229	11.7537	83	59.800	344.53	34.280	4.7613
29	10,374.385	131,875.26	605.847	11.7116	84	51.083	284.73	29.992	4.5739
30	9,591.304	121,500.88	591.239	11.6678	85	43.390	233.65	26.083	4.3848
31	8,866.206	111,909.57	576.608	11.6220	86	36.641	190.26	22.548	4.1924
32	8,194.881	103,043.37	562.039	11.5741	87	30.729	153.62	19.350	3.9991
33	7,573.337	94,848.49	547.524	11.5240	88	25.570	122.89	16.467	3.8059
34	6,998.106	87,275.15	533.280	11.4713	89	21.088	97.32	13.879	3.6148
35	6,465.795	80,277.04	519.347	11.4157	90	17.210	76.23	11.564	3.4292
36	5,973.132	73,811.25	505.632	11.3572	91	13.873	59.02	9.501	3.2543
37	5,517.225	67,838.12	492.180	11.2957	92	11.029	45.15	7.685	3.0932
38	5,095.334	62,320.89	478.972	11.2310	93	8.648	34.12	6.121	2.9450
39	4,704.927	57,225.56	465.996	11.1629	94	6.700	25.47	4.813	2.8015
40	4,343.663	52,520.63	453.246	11.0913	95	5.135	18.77	3.744	2.6554
41	4,009.337	48,176.97	440.673	11.0162	96	3.887	13.63	2.877	2.5078
42	3,699.878	44,167.63	428.202	10.9376	97	2.895	9.75	2.173	2.3669
43	3,413.536	40,467.75	415.924	10.8551	98	2.119	6.85	1.612	2.2335
44	3,148.568	37,054.22	403.812	10.7686	99	1.522	4.73	1.172	2.1090
45	2,903.343	33,905.65	391.813	10.6781	100	1.075	3.21	0.837	1.9875
46	2,676.387	31,002.31	379.920	10.5836	101	0.745	2.14	0.586	1.8691
47	2,466.292	28,325.92	368.075	10.4852	102	0.505	1.39	0.402	1.7537
48	2,271.741	25,859.63	356.213	10.3832	103	0.335	0.89	0.270	1.6415
49	2,091.605	23,587.89	344.354	10.2774	104	0.217	0.55	0.177	1.5323
50	1,924.817	21,496.28	332.499	10.1680	105	0.137	0.33	0.113	1.4264
51	1,770.392	19,571.47	320.654	10.0549	106	0.084	0.20	0.070	1.3235
52	1,627.425	17,801.07	308.827	9.9382	107	0.050	0.11	0.042	1.2239
53	1,495.112	16,173.65	297.064	9.8177	108	0.029	0.06	0.024	1.1274
54	1,372.688	14,678.54	285.389	9.6933	109	0.016	0.03	0.014	1.0340

**Table 12.I. -- Actuarial Functions at 9.0 Percent Interest for 1989-91 United States
Black Females**

x	D_x	N_x	M_x	a_x	x	D_x	N_x	M_x	a_x
0	100,000.000	1,182,579.21	2,355.845	10.8258	55	758.625	7,442.55	144.103	8.8106
1	90,234.862	1,082,579.21	847.588	10.9973	56	689.178	6,683.92	137.295	8.6984
2	82,690.009	992,344.35	753.320	11.0008	57	625.609	5,994.74	130.630	8.5823
3	75,809.885	909,654.34	700.812	10.9992	58	567.392	5,369.13	124.069	8.4628
4	69,514.932	833,844.45	665.390	10.9952	59	514.054	4,801.74	117.580	8.3409
5	63,749.820	764,329.52	640.043	10.9895	60	465.179	4,287.69	111.149	8.2173
6	58,464.011	700,579.70	617.981	10.9831	61	420.448	3,822.51	104.828	8.0915
7	53,619.750	642,115.69	601.023	10.9754	62	379.549	3,402.06	98.645	7.9634
8	49,178.880	588,495.94	587.473	10.9664	63	342.201	3,022.51	92.635	7.8326
9	45,107.189	539,317.06	576.422	10.9563	64	308.110	2,680.31	86.800	7.6992
10	41,373.449	494,209.87	567.129	10.9451	65	277.025	2,372.20	81.155	7.5631
11	37,949.154	452,836.42	558.991	10.9327	66	248.704	2,095.18	75.708	7.4244
12	34,807.561	414,887.27	550.814	10.9195	67	222.945	1,846.47	70.484	7.2822
13	31,925.714	380,079.70	542.986	10.9051	68	199.539	1,623.53	65.486	7.1364
14	29,281.267	348,153.99	534.607	10.8900	69	178.303	1,423.99	60.726	6.9863
15	26,854.762	318,872.72	525.822	10.8740	70	159.043	1,245.69	56.188	6.8324
16	24,627.825	292,017.96	516.251	10.8572	71	141.585	1,086.64	51.862	6.6748
17	22,584.168	267,390.14	506.083	10.8397	72	125.766	945.06	47.734	6.5144
18	20,708.821	244,805.97	495.484	10.8213	73	111.446	819.29	43.798	6.3514
19	18,987.832	224,097.15	484.398	10.8021	74	98.506	707.84	40.060	6.1858
20	17,408.788	205,109.32	473.157	10.7819	75	86.845	609.34	36.532	6.0164
21	15,959.906	187,700.53	461.698	10.7608	76	76.366	522.49	33.224	5.8420
22	14,630.552	171,740.62	450.134	10.7385	77	66.969	446.13	30.133	5.6617
23	13,410.676	157,110.07	438.284	10.7153	78	58.549	379.16	27.243	5.4759
24	12,291.616	143,699.39	426.529	10.6908	79	50.997	320.61	24.525	5.2868
25	11,265.116	131,407.78	414.932	10.6650	80	44.217	269.61	21.955	5.0975
26	10,323.478	120,142.66	403.442	10.6378	81	38.128	225.40	19.518	4.9115
27	9,459.953	109,819.18	392.314	10.6089	82	32.678	187.27	17.216	4.7306
28	8,667.842	100,359.23	381.300	10.5783	83	27.828	154.59	15.063	4.5552
29	7,941.140	91,691.39	370.291	10.5464	84	23.553	126.76	13.087	4.3820
30	7,274.370	83,750.25	359.212	10.5131	85	19.822	103.21	11.301	4.2067
31	6,662.739	76,475.88	348.217	10.4781	86	16.586	83.39	9.701	4.0276
32	6,101.757	69,813.14	337.369	10.4415	87	13.782	66.80	8.266	3.8470
33	5,587.233	63,711.38	326.660	10.4030	88	11.363	53.02	6.985	3.6659
34	5,115.490	58,124.15	316.248	10.3624	89	9.285	41.66	5.846	3.4863
35	4,683.019	53,008.66	306.157	10.3193	90	7.508	32.37	4.836	3.3113
36	4,286.506	48,325.64	296.315	10.2739	91	5.997	24.86	3.944	3.1460
37	3,923.008	44,039.14	286.750	10.2259	92	4.724	18.87	3.166	2.9936
38	3,589.785	40,116.13	277.444	10.1751	93	3.670	14.14	2.502	2.8534
39	3,284.323	36,526.34	268.387	10.1214	94	2.817	10.47	1.952	2.7173
40	3,004.322	33,242.02	259.568	10.0647	95	2.139	7.65	1.507	2.5784
41	2,747.642	30,237.70	250.951	10.0050	96	1.604	5.52	1.149	2.4376
42	2,512.304	27,490.06	242.483	9.9422	97	1.184	3.91	0.861	2.3029
43	2,296.606	24,977.75	234.223	9.8759	98	0.859	2.73	0.634	2.1752
44	2,098.904	22,681.14	226.148	9.8062	99	0.611	1.87	0.457	2.0559
45	1,917.674	20,582.24	218.223	9.7329	100	0.428	1.26	0.324	1.9393
46	1,751.551	18,664.57	210.440	9.6560	101	0.293	0.83	0.225	1.8254
47	1,599.247	16,913.02	202.759	9.5756	102	0.197	0.54	0.153	1.7142
48	1,459.577	15,313.77	195.138	9.4919	103	0.130	0.34	0.102	1.6059
49	1,331.513	13,854.19	187.588	9.4049	104	0.083	0.21	0.066	1.5004
50	1,214.094	12,522.68	180.111	9.3144	105	0.052	0.13	0.042	1.3978
51	1,106.445	11,308.59	172.708	9.2207	106	0.032	0.07	0.026	1.2981
52	1,007.763	10,202.14	165.385	9.1235	107	0.019	0.04	0.015	1.2013
53	917.336	9,194.38	158.167	9.0229	108	0.011	0.02	0.009	1.1074
54	834.495	8,277.04	151.069	8.9186	109	0.006	0.01	0.005	1.0164

**Table 12.J. -- Actuarial Functions at 10.0 Percent Interest for 1989-91 United States
Black Females**

x	D_x	N_x	M_x	a_x	x	D_x	N_x	M_x	a_x
0	100,000.000	1,076,238.31	2,160.154	9.7624	55	459.079	4,203.71	76.923	8.1568
1	89,414.545	976,238.31	665.609	9.9181	56	413.262	3,744.63	72.841	8.0612
2	81,193.388	886,823.76	573.047	9.9224	57	371.732	3,331.37	68.880	7.9618
3	73,761.082	805,630.37	521.957	9.9222	58	334.076	2,959.64	65.017	7.8592
4	67,021.378	731,869.29	487.806	9.9199	59	299.919	2,625.56	61.231	7.7542
5	60,904.310	664,847.91	463.591	9.9163	60	268.936	2,325.65	57.513	7.6476
6	55,346.669	603,943.60	442.705	9.9120	61	240.865	2,056.71	53.892	7.5388
7	50,299.246	548,596.93	426.797	9.9067	62	215.459	1,815.84	50.382	7.4278
8	45,713.991	498,297.69	414.201	9.9003	63	192.491	1,600.39	47.002	7.3141
9	41,547.995	452,583.70	404.023	9.8930	64	171.739	1,407.89	43.749	7.1978
10	37,762.423	411,035.70	395.541	9.8848	65	153.009	1,236.15	40.631	7.0790
11	34,322.115	373,273.28	388.181	9.8756	66	136.118	1,083.15	37.650	6.9574
12	31,194.594	338,951.16	380.852	9.8657	67	120.910	947.03	34.817	6.8325
13	28,351.770	307,756.57	373.900	9.8549	68	107.233	826.12	32.131	6.7040
14	25,766.963	279,404.80	366.527	9.8435	69	94.949	718.88	29.596	6.5712
15	23,416.851	253,637.84	358.866	9.8314	70	83.923	623.94	27.202	6.4346
16	21,279.777	230,220.98	350.597	9.8188	71	74.032	540.01	24.940	6.2943
17	19,336.547	208,941.21	341.891	9.8055	72	65.163	465.98	22.801	6.1510
18	17,569.686	189,604.66	332.898	9.7916	73	57.218	400.82	20.780	6.0051
19	15,963.122	172,034.97	323.578	9.7770	74	50.115	343.60	18.878	5.8563
20	14,502.564	156,071.85	314.214	9.7617	75	43.780	293.49	17.100	5.7036
21	13,174.690	141,569.29	304.755	9.7455	76	38.148	249.70	15.447	5.5457
22	11,967.532	128,394.60	295.296	9.7286	77	33.150	211.56	13.917	5.3819
23	10,869.970	116,427.07	285.691	9.7109	78	28.718	178.41	12.499	5.2123
24	9,872.349	105,557.10	276.249	9.6922	79	24.787	149.69	11.178	5.0391
25	8,965.633	95,684.75	267.020	9.6724	80	21.296	124.90	9.941	4.8652
26	8,141.514	86,719.11	257.958	9.6515	81	18.196	103.61	8.778	4.6938
27	7,392.681	78,577.60	249.262	9.6291	82	15.454	85.41	7.689	4.5269
28	6,712.090	71,184.92	240.733	9.6055	83	13.040	69.96	6.680	4.3647
29	6,093.452	64,472.83	232.286	9.5807	84	10.937	56.92	5.763	4.2042
30	5,531.078	58,379.38	223.862	9.5548	85	9.121	45.98	4.941	4.0413
31	5,019.969	52,848.30	215.578	9.5276	86	7.562	36.86	4.211	3.8742
32	4,555.509	47,828.33	207.479	9.4990	87	6.227	29.30	3.563	3.7051
33	4,133.449	43,272.82	199.556	9.4689	88	5.087	23.07	2.990	3.5351
34	3,750.048	39,139.37	191.924	9.4370	89	4.119	17.98	2.484	3.3659
35	3,401.805	35,389.32	184.593	9.4031	90	3.301	13.86	2.040	3.2006
36	3,085.465	31,987.52	177.509	9.3672	91	2.612	10.56	1.652	3.0441
37	2,798.146	28,902.05	170.686	9.3290	92	2.039	7.95	1.316	2.8998
38	2,537.192	26,103.91	164.109	9.2885	93	1.570	5.91	1.032	2.7669
39	2,300.195	23,566.72	157.766	9.2455	94	1.194	4.34	0.799	2.6377
40	2,084.966	21,266.52	151.646	9.1999	95	0.898	3.15	0.612	2.5054
41	1,889.498	19,181.56	145.720	9.1517	96	0.668	2.25	0.463	2.3710
42	1,711.955	17,292.06	139.950	9.1008	97	0.488	1.58	0.344	2.2421
43	1,550.745	15,580.10	134.372	9.0468	98	0.351	1.09	0.251	2.1197
44	1,404.366	14,029.36	128.970	8.9898	99	0.248	0.74	0.180	2.0053
45	1,271.442	12,624.99	123.715	8.9297	100	0.172	0.50	0.126	1.8932
46	1,150.743	11,353.55	118.602	8.8663	101	0.117	0.32	0.087	1.7836
47	1,041.129	10,202.81	113.601	8.7997	102	0.078	0.21	0.059	1.6764
48	941.565	9,161.68	108.685	8.7303	103	0.051	0.13	0.039	1.5718
49	851.142	8,220.11	103.859	8.6577	104	0.032	0.08	0.025	1.4697
50	769.029	7,368.97	99.123	8.5822	105	0.020	0.05	0.016	1.3703
51	694.471	6,599.94	94.476	8.5036	106	0.012	0.03	0.010	1.2735
52	626.782	5,905.47	89.921	8.4219	107	0.007	0.02	0.006	1.1794
53	565.354	5,278.69	85.473	8.3370	108	0.004	0.01	0.003	1.0880
54	509.624	4,713.34	81.139	8.2487	109	0.002	0.00	0.002	0.9994

**Table 12.K. -- Actuarial Functions at 11.0 Percent Interest for 1989-91 United States
Black Females**

x	D_x	N_x	M_x	a_x	x	D_x	N_x	M_x	a_x
0	100,000.000	988,641.96	2,026.472	8.8864	55	279.075	2,396.21	41.613	7.5862
1	88,609.009	888,641.96	545.391	9.0288	56	248.960	2,117.13	39.154	7.5039
2	79,737.034	800,032.95	454.489	9.0334	57	221.923	1,868.17	36.789	7.4181
3	71,785.445	720,295.92	404.768	9.0340	58	197.646	1,646.25	34.504	7.3293
4	64,638.636	648,510.47	371.832	9.0329	59	175.840	1,448.60	32.284	7.2382
5	58,209.860	583,871.84	348.687	9.0305	60	156.254	1,272.76	30.124	7.1455
6	52,421.534	525,661.98	328.906	9.0276	61	138.684	1,116.51	28.039	7.0507
7	47,211.676	473,240.44	313.974	9.0238	62	122.938	977.83	26.036	6.9538
8	42,521.325	426,028.77	302.258	9.0192	63	108.844	854.89	24.125	6.8543
9	38,298.118	383,507.44	292.876	9.0137	64	96.235	746.04	22.302	6.7523
10	34,495.061	345,209.33	285.128	9.0075	65	84.966	649.81	20.571	6.6478
11	31,069.969	310,714.26	278.465	9.0005	66	74.906	564.84	18.930	6.5407
12	27,984.388	279,644.30	271.891	8.9929	67	65.938	489.94	17.385	6.4303
13	25,204.980	251,659.91	265.710	8.9845	68	57.952	424.00	15.934	6.3164
14	22,700.694	226,454.93	259.214	8.9757	69	50.851	366.05	14.576	6.1984
15	20,444.387	203,754.23	252.526	8.9663	70	44.541	315.20	13.305	6.0765
16	18,411.212	183,309.85	245.371	8.9564	71	38.937	270.66	12.116	5.9510
17	16,579.213	164,898.63	237.907	8.9461	72	33.964	231.72	11.001	5.8225
18	14,928.587	148,319.42	230.266	8.9353	73	29.554	197.75	9.957	5.6912
19	13,441.330	133,390.83	222.419	8.9239	74	25.652	168.20	8.984	5.5570
20	12,101.492	119,949.50	214.604	8.9120	75	22.208	142.55	8.082	5.4188
21	10,894.423	107,848.01	206.782	8.8994	76	19.176	120.34	7.251	5.2754
22	9,807.044	96,953.59	199.031	8.8861	77	16.514	101.16	6.489	5.1260
23	8,827.375	87,146.54	191.231	8.8723	78	14.177	84.65	5.789	4.9708
24	7,944.992	78,319.17	183.633	8.8577	79	12.126	70.47	5.142	4.8116
25	7,150.290	70,374.18	176.272	8.8421	80	10.324	58.35	4.542	4.6513
26	6,434.540	63,223.89	169.110	8.8257	81	8.742	48.02	3.984	4.4929
27	5,790.073	56,789.35	162.300	8.8081	82	7.358	39.28	3.465	4.3385
28	5,209.662	50,999.27	155.680	8.7894	83	6.153	31.92	2.989	4.1882
29	4,686.891	45,789.61	149.182	8.7697	84	5.114	25.77	2.560	4.0391
30	4,216.003	41,102.72	142.761	8.7492	85	4.226	20.65	2.179	3.8873
31	3,791.944	36,886.72	136.503	8.7277	86	3.472	16.43	1.844	3.7311
32	3,410.103	33,094.77	130.441	8.7049	87	2.833	12.96	1.549	3.5726
33	3,066.288	29,684.67	124.564	8.6810	88	2.294	10.12	1.291	3.4126
34	2,756.810	26,618.38	118.953	8.6555	89	1.841	7.83	1.065	3.2530
35	2,478.273	23,861.57	113.612	8.6283	90	1.462	5.99	0.868	3.0966
36	2,227.563	21,383.30	108.498	8.5994	91	1.146	4.53	0.698	2.9483
37	2,001.933	19,155.74	103.616	8.5686	92	0.887	3.38	0.552	2.8114
38	1,798.880	17,153.80	98.953	8.5358	93	0.677	2.49	0.429	2.6851
39	1,616.156	15,354.92	94.496	8.5009	94	0.510	1.82	0.330	2.5624
40	1,451.734	13,738.77	90.235	8.4637	95	0.380	1.31	0.251	2.4362
41	1,303.780	12,287.03	86.146	8.4242	96	0.280	0.93	0.188	2.3077
42	1,170.631	10,983.25	82.201	8.3823	97	0.203	0.65	0.139	2.1842
43	1,050.843	9,812.62	78.421	8.3379	98	0.145	0.44	0.101	2.0669
44	943.077	8,761.78	74.793	8.2906	99	0.101	0.30	0.071	1.9570
45	846.122	7,818.70	71.296	8.2406	100	0.069	0.20	0.050	1.8492
46	758.900	6,972.58	67.924	8.1877	101	0.047	0.13	0.034	1.7435
47	680.426	6,213.68	64.656	8.1320	102	0.031	0.08	0.023	1.6401
48	609.812	5,533.25	61.472	8.0737	103	0.020	0.05	0.015	1.5390
49	546.283	4,923.44	58.374	8.0126	104	0.013	0.03	0.010	1.4402
50	489.134	4,377.16	55.362	7.9488	105	0.008	0.02	0.006	1.3438
51	437.733	3,888.02	52.433	7.8822	106	0.005	0.01	0.004	1.2498
52	391.509	3,450.29	49.588	7.8128	107	0.003	0.01	0.002	1.1583
53	349.957	3,058.78	46.835	7.7404	108	0.001	0.00	0.001	1.0693
54	312.618	2,708.82	44.176	7.6650	109	0.001	0.00	0.001	0.9829

**Table 12.L. -- Actuarial Functions at 12.0 Percent Interest for 1989-91 United States
Black Females**

x	D_x	N_x	M_x	a_x	x	D_x	N_x	M_x	a_x
0	100,000.000	915,316.66	1,930.358	8.1532	55	170.409	1,377.74	22.794	7.0849
1	87,817.857	815,316.66	462.500	8.2842	56	150.663	1,207.33	21.306	7.0135
2	78,319.515	727,498.81	373.215	8.2889	57	133.102	1,056.67	19.888	6.9388
3	69,879.738	649,179.29	324.814	8.2900	58	117.483	923.57	18.529	6.8613
4	62,360.847	579,299.55	293.038	8.2895	59	103.588	806.08	17.222	6.7817
5	55,657.198	516,938.71	270.908	8.2879	60	91.228	702.50	15.961	6.7004
6	49,675.181	461,281.51	252.163	8.2860	61	80.247	611.27	14.754	6.6173
7	44,338.818	411,606.33	238.140	8.2832	62	70.501	531.02	13.606	6.5321
8	39,577.325	367,267.51	227.235	8.2797	63	61.861	460.52	12.519	6.4445
9	35,328.243	327,690.18	218.580	8.2756	64	54.206	398.66	11.493	6.3545
10	31,535.991	292,361.94	211.497	8.2707	65	47.432	344.45	10.526	6.2621
11	28,151.097	260,825.95	205.460	8.2652	66	41.442	297.02	9.618	6.1672
12	25,129.005	232,674.85	199.557	8.2592	67	36.155	255.58	8.771	6.0691
13	22,431.111	207,545.85	194.056	8.2526	68	31.492	219.43	7.982	5.9676
14	20,022.049	185,114.74	188.327	8.2455	69	27.387	187.93	7.251	5.8621
15	17,870.983	165,092.69	182.481	8.2380	70	23.774	160.55	6.573	5.7529
16	15,950.036	147,221.70	176.282	8.2302	71	20.598	136.77	5.944	5.6402
17	14,234.695	131,271.67	169.874	8.2220	72	17.806	116.17	5.359	5.5243
18	12,703.047	117,036.97	163.372	8.2133	73	15.356	98.37	4.817	5.4057
19	11,335.389	104,333.93	156.754	8.2043	74	13.210	83.01	4.315	5.2842
20	10,114.352	92,998.54	150.223	8.1947	75	11.334	69.80	3.855	5.1587
21	9,024.192	82,884.18	143.744	8.1847	76	9.699	58.47	3.435	5.0280
22	8,050.951	73,859.99	137.380	8.1741	77	8.278	48.77	3.053	4.8914
23	7,182.003	65,809.04	131.034	8.1630	78	7.043	40.49	2.705	4.7488
24	6,406.376	58,627.04	124.907	8.1514	79	5.971	33.45	2.387	4.6021
25	5,714.096	52,220.66	119.025	8.1389	80	5.038	27.48	2.094	4.4539
26	5,096.199	46,506.57	113.353	8.1257	81	4.228	22.44	1.824	4.3072
27	4,544.832	41,410.37	108.007	8.1115	82	3.527	18.21	1.575	4.1639
28	4,052.736	36,865.54	102.857	8.0965	83	2.923	14.68	1.349	4.0242
29	3,613.505	32,812.80	97.848	8.0806	84	2.407	11.76	1.147	3.8855
30	3,221.437	29,199.30	92.941	8.0641	85	1.972	9.35	0.970	3.7438
31	2,871.545	25,977.86	88.202	8.0467	86	1.606	7.38	0.815	3.5975
32	2,559.329	23,106.31	83.652	8.0283	87	1.299	5.78	0.680	3.4486
33	2,280.744	20,546.99	79.281	8.0089	88	1.042	4.48	0.562	3.2978
34	2,032.242	18,266.24	75.145	7.9882	89	0.829	3.44	0.460	3.1469
35	1,810.600	16,234.00	71.243	7.9661	90	0.652	2.61	0.373	2.9987
36	1,612.904	14,423.40	67.540	7.9425	91	0.507	1.96	0.297	2.8579
37	1,436.590	12,810.50	64.037	7.9173	92	0.389	1.45	0.233	2.7278
38	1,279.353	11,373.91	60.721	7.8904	93	0.294	1.06	0.180	2.6078
39	1,139.138	10,094.55	57.579	7.8616	94	0.219	0.77	0.137	2.4909
40	1,014.111	8,955.41	54.602	7.8308	95	0.162	0.55	0.104	2.3706
41	902.625	7,941.30	51.772	7.7980	96	0.118	0.38	0.077	2.2475
42	803.208	7,038.68	49.064	7.7632	97	0.085	0.27	0.057	2.1291
43	714.580	6,235.47	46.494	7.7261	98	0.060	0.18	0.041	2.0164
44	635.573	5,520.89	44.049	7.6865	99	0.042	0.12	0.029	1.9109
45	565.140	4,885.32	41.714	7.6444	100	0.028	0.08	0.020	1.8071
46	502.357	4,320.18	39.481	7.5998	101	0.019	0.05	0.013	1.7052
47	446.389	3,817.82	37.337	7.5527	102	0.012	0.03	0.009	1.6053
48	396.492	3,371.43	35.267	7.5032	103	0.008	0.02	0.006	1.5075
49	352.014	2,974.94	33.271	7.4512	104	0.005	0.01	0.004	1.4118
50	312.375	2,622.92	31.347	7.3967	105	0.003	0.01	0.002	1.3182
51	277.052	2,310.55	29.494	7.3398	106	0.002	0.00	0.001	1.2270
52	245.584	2,033.50	27.709	7.2803	107	0.001	0.00	0.001	1.1380
53	217.559	1,787.91	25.997	7.2180	108	0.001	0.00	0.000	1.0513
54	192.611	1,570.35	24.359	7.1530	109	0.000	0.00	0.000	0.9669