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TABLES OF
Compound Interest Functions
and
Logarithms of
Compound Interest Functions

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JAMES W. GLOVER

HARRY C. CARVER

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TABLES
of
Compound Interest Functions
and
Logarithms of Compound Interest Functions

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PREFACE

THESE tables are intended to be used in connection with college texts on the mathematics of investment and finance. Bankers, engineers, and actuaries will also find them of service in compound interest calculations.

Fourteen tables of values of compound interest functions are given, eight of which are expressed in natural numbers and six in logarithms. The natural numbers are given to eight and the logarithms to seven places of decimals. They are given for 100 years or periods and for the following sixteen rates of interest: 1%, 1¼%, 1½%, 1¾%, 2%, 2¼%, 2½%, 2¾%, 3%, 3½%, 4%, 4½%, 5%, 5½%, 6%, 7%. These rates will be found to cover most of the financial transactions occurring in practice.

The auxiliary tables VI, VII, VIII, IX, X, XI, will be found very useful in connection with calculations involving frequent interest conversions and installment payments.

The logarithmic tables are designed to facilitate the work of computation where arithmometers are not available; they may also be employed to familiarize the student with the use of logarithms.

Ann Arbor, Michigan
September, 1921

James W. Glover
Harry C. Carver

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TABLE I. $(1+i)^n$

n	1%	$1\frac{1}{4}\%$	$1\frac{1}{2}\%$	$1\frac{3}{4}\%$	n
1	1.0100 0000	1.0125 0000	1.0150 0000	1.0175 0000	1
2	1.0201 0000	1.0251 5625	1.0302 2500	1.0353 0625	2
3	1.0303 0100	1.0379 7070	1.0456 7838	1.0534 2411	3
4	1.0406 0401	1.0509 4534	1.0613 6355	1.0718 5903	4
5	1.0510 1005	1.0640 8215	1.0772 8400	1.0906 1656	5
6	1.0615 2015	1.0773 8318	1.0934 4326	1.1097 0235	6
7	1.0721 3535	1.0908 5047	1.1098 4491	1.1291 2215	7
8	1.0828 5671	1.1044 8610	1.1264 9259	1.1488 8178	8
9	1.0936 8527	1.1182 9218	1.1433 8998	1.1689 8721	9
10	1.1046 2213	1.1322 7083	1.1605 4083	1.1894 4449	10
11	1.1156 6835	1.1464 2422	1.1779 4894	1.2102 5977	11
12	1.1268 2503	1.1607 5452	1.1956 1817	1.2314 3931	12
13	1.1380 9328	1.1752 6395	1.2135 5244	1.2529 8950	13
14	1.1494 7421	1.1899 5475	1.2317 5573	1.2749 1682	14
15	1.1609 6896	1.2048 2918	1.2502 3207	1.2972 2786	15
16	1.1725 7864	1.2198 8955	1.2689 8555	1.3199 2935	16
17	1.1843 0443	1.2351 3817	1.2880 2033	1.3430 2811	17
18	1.1961 4748	1.2505 7739	1.3073 4064	1.3665 3111	18
19	1.2081 0895	1.2662 0961	1.3269 5075	1.3904 4540	19
20	1.2201 9004	1.2820 3723	1.3468 5501	1.4147 7820	20
21	1.2323 9194	1.2980 6270	1.3670 5783	1.4395 3681	21
22	1.2447 1586	1.3142 8848	1.3875 6370	1.4647 2871	22
23	1.2571 6302	1.3307 1709	1.4083 7715	1.4903 6146	23
24	1.2697 3465	1.3473 5105	1.4295 0281	1.5164 4279	24
25	1.2824 3200	1.3641 9294	1.4509 4535	1.5429 8054	25
26	1.2952 5631	1.3812 4535	1.4727 0953	1.5699 8269	26
27	1.3082 0888	1.3985 1092	1.4948 0018	1.5974 5739	27
28	1.3212 9097	1.4159 9230	1.5172 2218	1.6254 1290	28
29	1.3345 0388	1.4336 9221	1.5399 8051	1.6538 5762	29
30	1.3478 4892	1.4516 1336	1.5630 8022	1.6828 0013	30
31	1.3613 2740	1.4697 5853	1.5865 2642	1.7122 4913	31
32	1.3749 4068	1.4881 3051	1.6103 2432	1.7422 1349	32
33	1.3886 9009	1.5067 3214	1.6344 7918	1.7727 0223	33
34	1.4025 7699	1.5255 6629	1.6589 9637	1.8037 2452	34
35	1.4166 0276	1.5446 3587	1.6838 8132	1.8352 8970	35
36	1.4307 6878	1.5639 4382	1.7091 3954	1.8674 0727	36
37	1.4450 7647	1.5834 9312	1.7347 7663	1.9000 8689	37
38	1.4595 2724	1.6032 8678	1.7607 9828	1.9333 3841	38
39	1.4741 2251	1.6233 2787	1.7872 1025	1.9671 7184	39
40	1.4888 6373	1.6436 1946	1.8140 1841	2.0015 9734	40
41	1.5037 5237	1.6641 6471	1.8412 2868	2.0366 2530	41
42	1.5187 8989	1.6849 6677	1.8688 4712	2.0722 6624	42
43	1.5339 7779	1.7060 2885	1.8968 7982	2.1085 3090	43
44	1.5493 1757	1.7273 5421	1.9253 3302	2.1454 3019	44
45	1.5648 1075	1.7489 4614	1.9542 1301	2.1829 7522	45
46	1.5804 5885	1.7708 0797	1.9835 2621	2.2211 7728	46
47	1.5962 6344	1.7929 4306	2.0132 7910	2.2600 4789	47
48	1.6122 2608	1.8153 5485	2.0434 7829	2.2995 9872	48
49	1.6283 4834	1.8380 4679	2.0741 3046	2.3398 4170	49
50	1.6446 3182	1.8610 2237	2.1052 4242	2.3807 8893	50

TABLE I. $(1+i)^n$

n	1%	$1\frac{1}{4}\%$	$1\frac{1}{2}\%$	$1\frac{3}{4}\%$	n
51	1.6610 7814	1.8842 8515	2.1368 2106	2.4224 5274	51
52	1.6776 8892	1.9078 3872	2.1688 7337	2.4648 4566	52
53	1.6944 6581	1.9316 8670	2.2014 0647	2.5079 8046	53
54	1.7114 1047	1.9558 3279	2.2344 2757	2.5518 7012	54
55	1.7285 2457	1.9802 8070	2.2679 4398	2.5965 2785	55
56	1.7458 0982	2.0050 3420	2.3019 6314	2.6419 6708	56
57	1.7632 6792	2.0300 9713	2.3364 9259	2.6882 0151	57
58	1.7809 0060	2.0554 7335	2.3715 3998	2.7352 4503	58
59	1.7987 0960	2.0811 6676	2.4071 1308	2.7831 1182	59
60	1.8166 9670	2.1071 8135	2.4432 1978	2.8318 1628	60
61	1.8348 6367	2.1335 2111	2.4798 6807	2.8813 7306	61
62	1.8532 1230	2.1601 9013	2.5170 6609	2.9317 9709	62
63	1.8717 4443	2.1871 9250	2.5548 2208	2.9831 0354	63
64	1.8904 6187	2.2145 3241	2.5931 4442	3.0353 0785	64
65	1.9093 6649	2.2422 1407	2.6320 4158	3.0884 2574	65
66	1.9284 6015	2.2702 4174	2.6715 2221	3.1424 7319	66
67	1.9477 4475	2.2986 1976	2.7115 9504	3.1974 6647	67
68	1.9672 2220	2.3273 5251	2.7522 6896	3.2534 2213	68
69	1.9868 9442	2.3564 4442	2.7935 5300	3.3103 5702	69
70	2.0067 6337	2.3858 9997	2.8354 5629	3.3682 8827	70
71	2.0268 3100	2.4157 2372	2.8779 8814	3.4272 3331	71
72	2.0470 9931	2.4459 2027	2.9211 5796	3.4872 0990	72
73	2.0675 7031	2.4764 9427	2.9649 7533	3.5482 3607	73
74	2.0882 4601	2.5074 5045	3.0094 4996	3.6103 3020	74
75	2.1091 2847	2.5387 9358	3.0545 9171	3.6735 1098	75
76	2.1302 1975	2.5705 2850	3.1004 1059	3.7377 9742	76
77	2.1515 2195	2.6026 6011	3.1469 1674	3.8032 0888	77
78	2.1730 3717	2.6351 9336	3.1941 2050	3.8697 6503	78
79	2.1947 6754	2.6681 3327	3.2420 3230	3.9374 8592	79
80	2.2167 1522	2.7014 8494	3.2906 6279	4.0063 9192	80
81	2.2388 8237	2.7352 5350	3.3400 2273	4.0765 0378	81
82	2.2612 7119	2.7694 4417	3.3901 2307	4.1478 4260	82
83	2.2838 8390	2.8040 6222	3.4409 7492	4.2204 2984	83
84	2.3067 2274	2.8391 1300	3.4925 8954	4.2942 8737	84
85	2.3297 8997	2.8746 0191	3.5449 7838	4.3694 3740	85
86	2.3530 8787	2.9105 3444	3.5981 5306	4.4459 0255	86
87	2.3766 1875	2.9469 1612	3.6521 2535	4.5237 0584	87
88	2.4003 8494	2.9837 5257	3.7069 0723	4.6028 7070	88
89	2.4243 8879	3.0210 4948	3.7625 1084	4.6834 2093	89
90	2.4486 3267	3.0588 1260	3.8189 4851	4.7653 8080	90
91	2.4731 1900	3.0970 4775	3.8762 3273	4.8487 7496	91
92	2.4978 5019	3.1357 6085	3.9343 7622	4.9336 2853	92
93	2.5228 2869	3.1749 5786	3.9933 9187	5.0199 6703	93
94	2.5480 5698	3.2146 4483	4.0532 9275	5.1078 1645	94
95	2.5735 3755	3.2548 2789	4.1140 9214	5.1972 0324	95
96	2.5992 7293	3.2955 1324	4.1758 0352	5.2881 5429	96
97	2.6252 6565	3.3367 0716	4.2384 4057	5.3806 9699	97
98	2.6515 1831	3.3784 1600	4.3020 1718	5.4748 5919	98
99	2.6780 3349	3.4206 4620	4.3665 4744	5.5706 6923	99
100	2.7048 1383	3.4634 0427	4.4320 4565	5.6681 5594	100

TABLE I. $(1+i)^n$

n	2%	2¼%	2½%	2¾%	n
1	1.0200 0000	1.0225 0000	1.0250 0000	1.0275 0000	1
2	1.0404 0000	1.0455 0625	1.0506 2500	1.0557 5625	2
3	1.0612 0800	1.0690 3014	1.0768 9063	1.0847 8955	3
4	1.0824 3216	1.0930 8332	1.1038 1289	1.1146 2126	4
5	1.1040 8080	1.1176 7769	1.1314 0821	1.1452 7334	5
6	1.1261 6242	1.1428 2544	1.1596 9342	1.1767 6836	6
7	1.1486 8567	1.1685 3901	1.1886 8575	1.2091 2949	7
8	1.1716 5938	1.1948 3114	1.2184 0290	1.2423 8055	8
9	1.1950 9257	1.2217 1484	1.2488 6297	1.2765 4602	9
10	1.2189 9442	1.2492 0343	1.2800 8454	1.3116 5103	10
11	1.2433 7431	1.2773 1050	1.3120 8666	1.3477 2144	11
12	1.2682 4179	1.3060 4999	1.3448 8882	1.3847 8378	12
13	1.2936 0663	1.3354 3611	1.3785 1104	1.4228 6533	13
14	1.3194 7876	1.3654 8343	1.4129 7382	1.4619 9413	14
15	1.3458 6834	1.3962 0680	1.4482 9817	1.5021 9896	15
16	1.3727 8571	1.4276 2146	1.4845 0562	1.5435 0944	16
17	1.4002 4142	1.4597 4294	1.5216 1826	1.5859 5595	17
18	1.4282 4625	1.4925 8716	1.5596 5872	1.6295 6973	18
19	1.4568 1117	1.5261 7037	1.5986 5019	1.6743 8290	19
20	1.4859 4740	1.5605 0920	1.6386 1644	1.7204 2843	20
21	1.5156 6634	1.5956 2066	1.6795 8185	1.7677 4021	21
22	1.5459 7967	1.6315 2212	1.7215 7140	1.8163 5307	22
23	1.5768 9926	1.6682 3137	1.7646 1068	1.8663 0278	23
24	1.6084 3725	1.7057 6658	1.8087 2595	1.9176 2610	24
25	1.6406 0599	1.7441 4632	1.8539 4410	1.9703 6082	25
26	1.6734 1811	1.7833 8962	1.9002 9270	2.0245 4575	26
27	1.7068 8648	1.8235 1588	1.9478 0002	2.0802 2075	27
28	1.7410 2421	1.8645 4499	1.9964 9502	2.1374 2682	28
29	1.7758 4469	1.9064 9725	2.0464 0739	2.1962 0606	29
30	1.8113 6158	1.9493 9344	2.0975 6758	2.2566 0173	30
31	1.8475 8882	1.9932 5479	2.1500 0677	2.3186 5828	31
32	1.8845 4059	2.0381 0303	2.2037 5694	2.3824 2138	32
33	1.9222 3140	2.0839 6034	2.2588 5086	2.4479 3797	33
34	1.9606 7603	2.1308 4945	2.3153 2213	2.5152 5626	34
35	1.9998 8955	2.1787 9356	2.3732 0519	2.5844 2581	35
36	2.0398 8734	2.2278 1642	2.4325 3532	2.6554 9752	36
37	2.0806 8509	2.2779 4229	2.4933 4870	2.7285 2370	37
38	2.1222 9879	2.3291 9599	2.5556 8242	2.8035 5810	38
39	2.1647 4477	2.3816 0290	2.6195 7448	2.8806 5595	39
40	2.2080 3966	2.4351 8897	2.6850 6384	2.9598 7399	40
41	2.2522 0046	2.4899 8072	2.7521 9043	3.0412 7052	41
42	2.2972 4447	2.5460 0528	2.8209 9520	3.1249 0546	42
43	2.3431 8936	2.6032 9040	2.8915 2008	3.2108 4036	43
44	2.3900 5314	2.6618 6444	2.9638 0808	3.2991 3847	44
45	2.4378 5421	2.7217 5639	3.0379 0328	3.3898 6478	45
46	2.4866 1129	2.7829 9590	3.1138 5086	3.4830 8606	46
47	2.5363 4351	2.8456 1331	3.1916 9713	3.5788 7093	47
48	2.5870 7039	2.9096 3961	3.2714 8956	3.6772 8988	48
49	2.6388 1179	2.9751 0650	3.3532 7680	3.7784 1535	49
50	2.6915 8803	3.0420 4640	3.4371 0872	3.8823 2177	50

TABLE I. $(1+i)^n$

n	2%	$2\frac{1}{4}\%$	$2\frac{1}{2}\%$	$2\frac{3}{4}\%$	n
51	2.7454 1979	3.1104 9244	3.5230 3644	3.9890 8562	51
52	2.8003 2819	3.1804 7852	3.6111 1235	4.0987 8547	52
53	2.8563 3475	3.2520 3929	3.7013 9016	4.2115 0208	53
54	2.9134 6144	3.3252 1017	3.7939 2491	4.3273 1838	54
55	2.9717 3067	3.4000 2740	3.8887 7303	4.4463 1964	55
56	3.0311 6529	3.4765 2802	3.9859 9236	4.5685 9343	56
57	3.0917 8859	3.5547 4990	4.0856 4217	4.6942 2975	57
58	3.1536 2436	3.6347 3177	4.1877 8322	4.8233 2107	58
59	3.2166 9685	3.7165 1324	4.2924 7780	4.9559 6239	59
60	3.2810 3079	3.8001 3479	4.3997 8975	5.0922 5136	60
61	3.3466 5140	3.8856 3782	4.5097 8449	5.2322 8827	61
62	3.4135 8443	3.9730 6467	4.6225 2910	5.3761 7620	62
63	3.4818 5612	4.0624 5862	4.7380 9233	5.5240 2105	63
64	3.5514 9324	4.1538 6394	4.8565 4464	5.6759 3162	64
65	3.6225 2311	4.2473 2588	4.9779 5826	5.8320 1974	65
66	3.6949 7357	4.3428 9071	5.1024 0721	5.9924 0029	66
67	3.7688 7304	4.4406 0576	5.2299 6739	6.1571 9130	67
68	3.8442 5050	4.5405 1939	5.3607 1658	6.3265 1406	68
69	3.9211 3551	4.6426 8107	5.4947 3449	6.5004 9319	69
70	3.9995 5822	4.7471 4140	5.6321 0286	6.6792 5676	70
71	4.0795 4939	4.8539 5208	5.7729 0543	6.8629 3632	71
72	4.1611 4038	4.9631 6600	5.9172 2806	7.0516 6706	72
73	4.2443 6318	5.0748 3723	6.0651 5876	7.2455 8791	73
74	4.3292 5045	5.1890 2107	6.2167 8773	7.4448 4158	74
75	4.4158 3546	5.3057 7405	6.3722 0743	7.6495 7472	75
76	4.5041 5216	5.4251 5396	6.5315 1261	7.8599 3802	76
77	4.5942 3521	5.5472 1993	6.6948 0043	8.0760 8632	77
78	4.6861 1991	5.6720 3237	6.8621 7044	8.2981 7869	78
79	4.7798 4231	5.7996 5310	7.0337 2470	8.5263 7861	79
80	4.8754 3916	5.9301 4530	7.2095 6782	8.7608 5402	80
81	4.9729 4794	6.0635 7357	7.3898 0701	9.0017 7751	81
82	5.0724 0690	6.2000 0397	7.5745 5219	9.2493 2639	82
83	5.1738 5504	6.3395 0406	7.7639 1599	9.5036 8286	83
84	5.2773 3214	6.4821 4290	7.9580 1389	9.7650 3414	84
85	5.3828 7878	6.6279 9112	8.1569 6424	10.0335 7258	85
86	5.4905 3636	6.7771 2092	8.3608 8834	10.3094 9583	86
87	5.6003 4708	6.9296 0614	8.5699 1055	10.5930 0696	87
88	5.7123 5402	7.0855 2228	8.7841 5832	10.8843 1465	88
89	5.8266 0110	7.2449 4653	9.0037 6228	11.1836 3331	89
90	5.9431 3313	7.4079 5782	9.2288 5633	11.4911 8322	90
91	6.0619 9579	7.5746 3688	9.4595 7774	11.8071 9076	91
92	6.1832 3570	7.7450 6621	9.6960 6718	12.1318 8851	92
93	6.3069 0042	7.9193 3020	9.9384 6886	12.4655 1544	93
94	6.4330 3843	8.0975 1512	10.1869 3058	12.8083 1711	94
95	6.5616 9920	8.2797 0921	10.4416 0385	13.1605 4584	95
96	6.6929 3318	8.4660 0267	10.7026 4395	13.5224 6085	96
97	6.8267 9184	8.6564 8773	10.9702 1004	13.8943 2852	97
98	6.9633 2768	8.8512 5871	11.2444 6530	14.2764 2255	98
99	7.1025 9423	9.0504 1203	11.5255 7693	14.6690 2417	99
100	7.2446 4612	9.2540 4630	11.8137 1635	15.0724 2234	100

TABLE I. $(1+i)^n$

n	3%	$3\frac{1}{2}\%$	4%	$4\frac{1}{2}\%$	n
1	1.0300 0000	1.0350 0000	1.0400 0000	1.0450 0000	1
2	1.0609 0000	1.0712 2500	1.0816 0000	1.0920 2500	2
3	1.0927 2700	1.1087 1788	1.1248 6400	1.1411 6613	3
4	1.1255 0881	1.1475 2300	1.1698 5856	1.1925 1860	4
5	1.1592 7407	1.1876 8631	1.2166 5290	1.2461 8194	5
6	1.1940 5230	1.2292 5533	1.2653 1902	1.3022 6012	6
7	1.2298 7387	1.2722 7926	1.3159 3178	1.3608 6183	7
8	1.2667 7008	1.3168 0904	1.3685 6905	1.4221 0061	8
9	1.3047 7318	1.3628 9735	1.4233 1181	1.4860 9514	9
10	1.3439 1638	1.4105 9876	1.4802 4428	1.5529 6942	10
11	1.3842 3387	1.4599 6972	1.5394 5406	1.6228 5305	11
12	1.4257 6089	1.5110 6866	1.6010 3222	1.6958 8143	12
13	1.4685 3371	1.5639 5606	1.6650 7351	1.7721 9610	13
14	1.5125 8972	1.6186 9452	1.7316 7645	1.8519 4492	14
15	1.5579 6742	1.6753 4883	1.8009 4351	1.9352 8244	15
16	1.6047 0644	1.7339 8604	1.8729 8125	2.0223 7015	16
17	1.6528 4763	1.7946 7555	1.9479 0050	2.1133 7681	17
18	1.7024 3306	1.8574 8920	2.0258 1652	2.2084 7877	18
19	1.7535 0605	1.9225 0132	2.1068 4918	2.3078 6031	19
20	1.8061 1123	1.9897 8886	2.1911 2314	2.4117 1402	20
21	1.8602 9457	2.0594 3147	2.2787 6807	2.5202 4116	21
22	1.9161 0341	2.1315 1158	2.3699 1879	2.6336 5201	22
23	1.9735 8651	2.2061 1448	2.4647 1554	2.7521 6635	23
24	2.0327 9411	2.2833 2849	2.5633 0416	2.8760 1383	24
25	2.0937 7793	2.3632 4498	2.6658 3633	3.0054 3446	25
26	2.1565 9127	2.4459 5856	2.7724 6978	3.1406 7901	26
27	2.2212 8901	2.5315 6711	2.8833 6858	3.2820 0956	27
28	2.2879 2768	2.6201 7196	2.9987 0332	3.4296 9999	28
29	2.3565 6551	2.7118 7798	3.1186 5145	3.5840 3649	29
30	2.4272 6247	2.8067 9370	3.2433 9751	3.7453 1813	30
31	2.5000 8035	2.9050 3148	3.3731 3341	3.9138 5745	31
32	2.5750 8276	3.0067 0759	3.5080 5875	4.0899 8104	32
33	2.6523 3524	3.1119 4235	3.6483 8110	4.2740 3018	33
34	2.7319 0530	3.2208 6033	3.7943 1634	4.4663 6154	34
35	2.8138 6245	3.3335 9045	3.9460 8899	4.6673 4781	35
36	2.8982 7833	3.4502 6611	4.1039 3255	4.8773 7846	36
37	2.9852 2668	3.5710 2543	4.2680 8986	5.0968 6049	37
38	3.0747 8348	3.6960 1132	4.4388 1345	5.3262 1921	38
39	3.1670 2698	3.8253 7171	4.6163 6599	5.5658 9908	39
40	3.2620 3779	3.9592 5972	4.8010 2063	5.8163 6454	40
41	3.3598 9893	4.0978 3381	4.9930 6145	6.0781 0094	41
42	3.4606 9589	4.2412 5799	5.1927 8391	6.3516 1548	42
43	3.5645 1677	4.3897 0202	5.4004 9527	6.6374 3818	43
44	3.6714 5227	4.5433 4160	5.6165 1508	6.9361 2290	44
45	3.7815 9584	4.7023 5855	5.8411 7568	7.2482 4843	45
46	3.8950 4372	4.8669 4110	6.0748 2271	7.5744 1961	46
47	4.0118 9503	5.0372 8404	6.3178 1562	7.9152 6849	47
48	4.1322 5188	5.2135 8898	6.5705 2824	8.2714 5557	48
49	4.2562 1944	5.3960 6459	6.8333 4937	8.6436 7107	49
50	4.3839 0602	5.5849 2686	7.1066 8335	9.0326 3627	50

TABLE I. $(1+i)^n$

n	3%	$3\frac{1}{2}\%$	4%	$4\frac{1}{2}\%$	n
51	4.5154 2320	5.7803 9930	7.3909 5068	9.4391 0490	51
52	4.6508 8590	5.9827 1327	7.6865 8871	9.8638 6463	52
53	4.7904 1247	6.1921 0824	7.9940 5226	10.3077 3853	53
54	4.9341 2485	6.4088 3202	8.3138 1435	10.7715 8677	54
55	5.0821 4859	6.6331 4114	8.6463 6692	11.2563 0817	55
56	5.2346 1305	6.8653 0108	8.9922 2160	11.7628 4204	56
57	5.3916 5144	7.1055 8662	9.3519 1046	12.2921 6993	57
58	5.5534 0098	7.3542 8215	9.7259 8688	12.8453 1758	58
59	5.7200 0301	7.6116 8203	10.1150 2635	13.4233 5687	59
60	5.8916 0310	7.8780 9090	10.5196 2741	14.0274 0793	60
61	6.0683 5120	8.1538 2408	10.9404 1250	14.6586 4129	61
62	6.2504 0173	8.4392 0793	11.3780 2900	15.3182 8014	62
63	6.4379 1379	8.7345 8020	11.8331 5016	16.0076 0275	63
64	6.6310 5120	9.0402 9051	12.3064 7617	16.7279 4487	64
65	6.8299 8273	9.3567 0068	12.7987 3522	17.4807 0239	65
66	7.0348 8222	9.6841 8520	13.3106 8463	18.2673 3400	66
67	7.2459 2868	10.0231 3168	13.8431 1201	19.0893 6403	67
68	7.4633 0654	10.3739 4129	14.3968 3649	19.9483 8541	68
69	7.6872 0574	10.7370 2924	14.9727 0995	20.8460 6276	69
70	7.9178 2191	11.1128 2526	15.5716 1835	21.7841 3558	70
71	8.1553 5657	11.5017 7414	16.1944 8308	22.7644 2168	71
72	8.4000 1727	11.9043 3624	16.8422 6241	23.7888 2066	72
73	8.6520 1778	12.3209 8801	17.5159 5290	24.8593 1759	73
74	8.9115 7832	12.7522 2259	18.2165 9102	25.9779 8688	74
75	9.1789 2567	13.1985 5038	18.9452 5466	27.1469 9629	75
76	9.4542 9344	13.6604 9964	19.7030 6485	28.3686 1112	76
77	9.7379 2224	14.1386 1713	20.4911 8744	29.6451 9862	77
78	10.0300 5991	14.6334 6873	21.3108 3494	30.9792 3256	78
79	10.3309 6171	15.1456 4013	22.1632 6834	32.3732 9802	79
80	10.6408 9056	15.6757 3754	23.0497 9907	33.8300 9643	80
81	10.9601 1727	16.2243 8835	23.9717 9103	35.3524 5077	81
82	11.2889 2079	16.7922 4195	24.9306 6267	36.9433 1106	82
83	11.6275 8842	17.3799 7041	25.9278 8918	38.6057 6006	83
84	11.9764 1607	17.9882 6938	26.9650 0475	40.3430 1926	84
85	12.3357 0855	18.6178 5881	28.0436 0494	42.1584 5513	85
86	12.7057 7981	19.2694 8387	29.1653 4914	44.0555 8561	86
87	13.0869 5320	19.9439 1580	30.3319 6310	46.0380 8696	87
88	13.4795 6180	20.6419 5285	31.5452 4163	48.1098 0087	88
89	13.8839 4865	21.3644 2120	32.8070 5129	50.2747 4191	89
90	14.3004 6711	22.1121 7595	34.1193 3334	52.5371 0530	90
91	14.7294 8112	22.8861 0210	35.4841 0668	54.9012 7503	91
92	15.1713 6556	23.6871 1568	36.9034 7094	57.3718 3241	92
93	15.6265 0652	24.5161 6473	38.3796 0978	59.9535 6487	93
94	16.0953 0172	25.3742 3049	39.9147 9417	62.6514 7529	94
95	16.5781 6077	26.2623 2856	41.5113 8594	65.4707 9168	95
96	17.0755 0559	27.1815 1006	43.1718 4138	68.4169 7730	96
97	17.5877 7076	28.1328 6291	44.8987 1503	71.4957 4128	97
98	18.1154 0388	29.1175 1311	46.6946 6363	74.7130 4964	98
99	18.6588 6600	30.1366 2607	48.5624 5018	78.0751 3687	99
100	19.2186 3198	31.1914 0798	50.5049 4818	81.5885 1803	100

TABLE I. $(1+i)^n$

n	5%	$5\frac{1}{2}\%$	6%	7%	n
1	1.0500 0000	1.0550 0000	1.0600 0000	1.0700 0000	1
2	1.1025 0000	1.1130 2500	1.1236 0000	1.1449 0000	2
3	1.1576 2500	1.1742 4138	1.1910 1600	1.2250 4300	3
4	1.2155 0625	1.2388 2465	1.2624 7696	1.3107 9601	4
5	1.2762 8156	1.3069 6001	1.3382 2558	1.4025 5173	5
6	1.3400 9564	1.3788 4281	1.4185 1911	1.5007 3035	6
7	1.4071 0042	1.4546 7916	1.5036 3026	1.6057 8148	7
8	1.4774 5544	1.5346 8651	1.5938 4807	1.7181 8618	8
9	1.5513 2822	1.6190 9427	1.6894 7896	1.8384 5921	9
10	1.6288 9463	1.7081 4446	1.7908 4770	1.9671 5136	10
11	1.7103 3936	1.8020 9240	1.8982 9856	2.1048 5195	11
12	1.7958 5633	1.9012 0749	2.0121 9647	2.2521 9159	12
13	1.8856 4914	2.0057 7390	2.1329 2826	2.4098 4500	13
14	1.9799 3160	2.1160 9146	2.2609 0396	2.5785 3415	14
15	2.0789 2818	2.2324 7649	2.3965 5819	2.7590 3154	15
16	2.1828 7459	2.3552 6270	2.5403 5168	2.9521 6375	16
17	2.2920 1832	2.4848 0215	2.6927 7279	3.1588 1521	17
18	2.4066 1923	2.6214 6627	2.8543 3915	3.3799 3228	18
19	2.5269 5020	2.7656 4691	3.0255 9950	3.6165 2754	19
20	2.6532 9771	2.9177 5749	3.2071 3547	3.8696 8446	20
21	2.7859 6259	3.0782 3415	3.3995 6360	4.1405 6237	21
22	2.9252 6072	3.2475 3703	3.6035 3742	4.4304 0174	22
23	3.0715 2376	3.4261 5157	3.8197 4966	4.7405 2986	22
24	3.2250 9994	3.6145 8990	4.0489 3464	5.0723 6695	24
25	3.3863 5494	3.8133 9235	4.2918 7072	5.4274 3264	25
26	3.5556 7269	4.0231 2893	4.5493 8296	5.8073 5292	26
27	3.7334 5632	4.2444 0102	4.8223 4594	6.2138 6763	27
28	3.9201 2914	4.4778 4307	5.1116 8670	6.6488 3836	28
29	4.1161 3560	4.7241 2444	5.4183 8790	7.1142 5705	29
30	4.3219 4238	4.9839 5129	5.7434 9117	7.6122 5504	30
31	4.5380 3949	5.2580 6861	6.0881 0064	8.1451 1290	31
32	4.7649 4147	5.5472 6238	6.4533 8668	8.7152 7080	32
33	5.0031 8854	5.8523 6181	6.8405 8988	9.3253 3975	33
34	5.2533 4797	6.1742 4171	7.2510 2528	9.9781 1354	34
35	5.5160 1537	6.5138 2501	7.6860 8679	10.6765 8148	35
36	5.7918 1614	6.8720 8538	8.1472 5200	11.4239 4219	36
37	6.0814 0694	7.2500 5008	8.6360 8712	12.2236 1814	37
38	6.3854 7729	7.6488 0283	9.1542 5235	13.0792 7141	38
39	6.7047 5115	8.0694 8699	9.7035 0749	13.9948 2041	39
40	7.0399 8871	8.5133 0877	10.2857 1794	14.9744 5784	40
41	7.3919 8815	8.9815 4076	10.9028 6101	16.0226 6989	41
42	7.7615 8756	9.4755 2550	11.5570 3267	17.1442 5678	42
43	8.1496 6693	9.9966 7940	12.2504 5463	18.3443 5475	43
44	8.5571 5028	10.5464 9677	12.9854 8191	19.6284 5959	44
45	8.9850 0779	11.1265 5409	13.7646 1083	21.0024 5176	45
46	9.4342 5818	11.7385 1456	14.5904 8748	22.4726 2338	46
47	9.9059 7109	12.3841 3287	15.4659 1673	24.0457 0702	47
48	10.4012 6965	13.0652 6017	16.3938 7173	25.7289 0651	48
49	10.9213 3313	13.7838 4948	17.3775 0403	27.5299 2997	49
50	11.4673 9979	14.5419 6120	18.4201 5427	29.4570 2506	50

TABLE I. $(1+i)^n$

n	5%	5½%	6%	7%	n
51	12.0407 6978	15.3417 6907	19.5253 6353	31.5190 1682	51
52	12.6428 0826	16.1855 6637	20.6968 8534	33.7253 4799	52
53	13.2749 4868	17.0757 7252	21.9386 9846	36.0861 2235	53
54	13.9386 9611	18.0149 4001	23.2550 2037	38.6121 5092	54
55	14.6356 3092	19.0057 6171	24.6503 2159	41.3150 0148	55
56	15.3674 1246	20.0510 7860	26.1293 4089	44.2070 5159	56
57	16.1357 8309	21.1538 8793	27.6971 0134	47.3015 4520	57
58	16.9425 7224	22.3173 5176	29.3589 2742	50.6126 5336	58
59	17.7897 0085	23.5448 0611	31.1204 6307	54.1555 3910	59
60	18.6791 8589	24.8397 7045	32.9876 9085	57.9464 2683	60
61	19.6131 4519	26.2059 5782	34.9669 5230	62.0026 7671	61
62	20.5938 0245	27.6472 8550	37.0649 6944	66.3428 6408	62
63	21.6234 9257	29.1678 8620	39.2888 6761	70.9868 6457	63
64	22.7046 6720	30.7721 1994	41.6461 9967	75.9559 4509	64
65	23.8399 0056	32.4645 8654	44.1449 7165	81.2728 6124	65
66	25.0318 9559	34.2501 3880	46.7936 6994	86.9619 6153	66
67	26.2834 9037	36.1338 9643	49.6012 9014	93.0492 9884	67
68	27.5976 6488	38.1212 6074	52.5773 6755	99.5627 4976	68
69	28.9775 4813	40.2179 3008	55.7320 0960	106.5321 4224	69
70	30.4264 2554	42.4299 1623	59.0759 3018	113.9893 9220	70
71	31.9477 4681	44.7635 6163	62.6204 8599	121.9686 4965	71
72	33.5451 3415	47.2255 5751	66.3777 1515	130.5064 5513	72
73	35.2223 9086	49.8229 6318	70.3603 7806	139.6419 0699	73
74	36.9835 1040	52.5632 2615	74.5820 0074	149.4168 4047	74
75	38.8326 8592	55.4542 0359	79.0569 2079	159.8760 1931	75
76	40.7743 2022	58.5041 8479	83.8003 3603	171.0673 4066	76
77	42.8130 3623	61.7219 1495	88.8283 5620	183.0420 5451	77
78	44.9536 8804	65.1166 2027	94.1580 5757	195.8549 9832	78
79	47.2013 7244	68.6980 3439	99.8075 4102	209.5648 4820	79
80	49.5614 4107	72.4764 2628	105.7959 9348	224.2343 8758	80
81	52.0395 1312	76.4626 2973	112.1437 5309	239.9307 9471	81
82	54.6414 8878	80.6680 7436	118.8723 7828	256.7259 5034	82
83	57.3735 6322	85.1048 1845	126.0047 2097	274.6967 6686	83
84	60.2422 4138	89.7855 8347	133.5650 0423	293.9255 4054	84
85	63.2543 5344	94.7237 9056	141.5789 0449	314.5003 2838	85
86	66.4170 7112	99.9335 9904	150.0736 3875	336.5153 5137	86
87	69.7379 2467	105.4299 4698	159.0780 5708	360.0714 2596	87
88	73.2248 2091	111.2285 9407	168.6227 4050	385.2764 2578	88
89	76.8860 6195	117.3461 6674	178.7401 0493	412.2457 7558	89
90	80.7303 6505	123.8002 0591	189.4645 1123	441.1029 7988	90
91	84.7668 8330	130.6092 1724	200.8323 8190	471.9801 8847	91
92	89.0052 2747	137.7927 2419	212.8823 2482	505.0188 0166	92
93	93.4554 8884	145.3713 2402	225.6552 6431	540.3701 1778	93
94	98.1282 6328	153.3667 4684	239.1945 8017	578.1960 2602	94
95	103.0346 7645	161.8019 1791	253.5462 5498	618.6697 4784	95
96	108.1864 1027	170.7010 2340	268.7590 3028	661.9766 3019	96
97	113.5957 3078	180.0895 7969	284.8845 7209	708.3149 9430	97
98	119.2755 1732	189.9945 0657	301.9776 4642	757.8970 4390	98
99	125.2392 9319	200.4442 0443	320.0963 0520	810.9498 3698	99
100	131.5012 5785	211.4686 3567	339.3020 8351	867.7163 2557	100

TABLE II.

$v^n = (1+i)^{-n}$

n	1%	$1\frac{1}{4}\%$	$1\frac{1}{2}\%$	$1\frac{3}{4}\%$	n
1	0.9900 9901	0.9876 5432	0.9852 2167	0.9828 0098	1
2	0.9802 9605	0.9754 6106	0.9706 6175	0.9658 9777	2
3	0.9705 9015	0.9634 1833	0.9563 1699	0.9492 8528	3
4	0.9609 8034	0.9515 2428	0.9421 8423	0.9329 5851	4
5	0.9514 6569	0.9397 7706	0.9282 6033	0.9169 1254	5
6	0.9420 4524	0.9281 7488	0.9145 4219	0.9011 4254	6
7	0.9327 1805	0.9167 1593	0.9010 2679	0.8856 4378	7
8	0.9234 8322	0.9053 9845	0.8877 1112	0.8704 1157	8
9	0.9143 3982	0.8942 2069	0.8745 9224	0.8554 4135	9
10	0.9052 8695	0.8831 8093	0.8616 6723	0.8407 2860	10
11	0.8963 2372	0.8722 7746	0.8489 3323	0.8262 6889	11
12	0.8874 4923	0.8615 0860	0.8363 8742	0.8120 5788	12
13	0.8786 6260	0.8508 7269	0.8240 2702	0.7980 9128	13
14	0.8699 6297	0.8403 6809	0.8118 4928	0.7843 6490	14
15	0.8613 4947	0.8299 9318	0.7998 5150	0.7708 7459	15
16	0.8528 2126	0.8197 4635	0.7880 3104	0.7576 1631	16
17	0.8443 7749	0.8096 2602	0.7763 8526	0.7445 8605	17
18	0.8360 1731	0.7996 3064	0.7649 1159	0.7317 7990	18
19	0.8277 3992	0.7897 5866	0.7536 0747	0.7191 9401	19
20	0.8195 4447	0.7800 0855	0.7424 7042	0.7068 2458	20
21	0.8114 3017	0.7703 7881	0.7314 9795	0.6946 6789	21
22	0.8033 9621	0.7608 6796	0.7206 8763	0.6827 2028	22
23	0.7954 4179	0.7514 7453	0.7100 3708	0.6709 7817	23
24	0.7875 6613	0.7421 9707	0.6995 4392	0.6594 3800	24
25	0.7797 6844	0.7330 3414	0.6892 0583	0.6480 9632	25
26	0.7720 4796	0.7239 8434	0.6790 2052	0.6369 4970	26
27	0.7644 0392	0.7150 4626	0.6689 8574	0.6259 9479	27
28	0.7568 3557	0.7062 1853	0.6590 9925	0.6152 2829	28
29	0.7493 4215	0.6974 9978	0.6493 5887	0.6046 4697	29
30	0.7419 2292	0.6888 8867	0.6397 6243	0.5942 4764	30
31	0.7345 7715	0.6803 8387	0.6303 0781	0.5840 2716	31
32	0.7273 0411	0.6719 8407	0.6209 9292	0.5739 8247	32
33	0.7201 0307	0.6636 8797	0.6118 1568	0.5641 1053	33
34	0.7129 7334	0.6554 9429	0.6027 7407	0.5544 0839	34
35	0.7059 1420	0.6474 0177	0.5938 6608	0.5448 7311	35
36	0.6989 2495	0.6394 0916	0.5850 8974	0.5355 0183	36
37	0.6920 0490	0.6315 1522	0.5764 4309	0.5262 9172	37
38	0.6851 5337	0.6237 1873	0.5679 2423	0.5172 4002	38
39	0.6783 6967	0.6160 1850	0.5595 3126	0.5083 4400	39
40	0.6716 5314	0.6084 1334	0.5512 6232	0.4996 0098	40
41	0.6650 0311	0.6009 0206	0.5431 1559	0.4910 0834	41
42	0.6584 1892	0.5934 8352	0.5350 8925	0.4825 6348	42
43	0.6518 9992	0.5861 5656	0.5271 8153	0.4742 6386	43
44	0.6454 4546	0.5789 2006	0.5193 9067	0.4661 0699	44
45	0.6390 5492	0.5717 7290	0.5117 1494	0.4580 9040	45
46	0.6327 2764	0.5647 1397	0.5041 5265	0.4502 1170	46
47	0.6264 6301	0.5577 4219	0.4967 0212	0.4424 6850	47
48	0.6202 6041	0.5508 5649	0.4893 6170	0.4348 5848	48
49	0.6141 1921	0.5440 5579	0.4821 2975	0.4273 7934	49
50	0.6080 3882	0.5373 3905	0.4750 0468	0.4200 2883	50

TABLE II. $v^n = (1+i)^{-n}$

n	1%	$1\frac{1}{4}\%$	$1\frac{1}{2}\%$	$1\frac{3}{4}\%$	n
51	0.6020 1864	0.5307 0524	0.4679 8491	0.4128 0475	51
52	0.5960 5806	0.5241 5332	0.4610 6887	0.4057 0492	52
53	0.5901 5649	0.5176 8229	0.4542 5505	0.3987 2719	53
54	0.5843 1336	0.5112 9115	0.4475 4192	0.3918 6947	54
55	0.5785 2808	0.5049 7892	0.4409 2800	0.3851 2970	55
56	0.5728 0008	0.4987 4461	0.4344 1182	0.3785 0585	56
57	0.5671 2879	0.4925 8727	0.4279 9194	0.3719 9592	57
58	0.5615 1365	0.4865 0594	0.4216 6694	0.3655 9796	58
59	0.5559 5411	0.4804 9970	0.4154 3541	0.3593 1003	59
60	0.5504 4962	0.4745 6760	0.4092 9597	0.3531 3025	60
61	0.5449 9962	0.4687 0874	0.4032 4726	0.3470 5676	61
62	0.5396 0358	0.4629 2222	0.3972 8794	0.3410 8772	62
63	0.5342 6097	0.4572 0713	0.3914 1669	0.3352 2135	63
64	0.5289 7126	0.4515 6259	0.3856 3221	0.3294 5587	64
65	0.5237 3392	0.4459 8775	0.3799 3321	0.3237 8956	65
66	0.5185 4844	0.4404 8173	0.3743 1843	0.3182 2069	66
67	0.5134 1429	0.4350 4368	0.3687 8663	0.3127 4761	67
68	0.5083 3099	0.4296 7277	0.3633 3658	0.3073 6866	68
69	0.5032 9801	0.4243 6817	0.3579 6708	0.3020 8222	69
70	0.4983 1486	0.4191 2905	0.3526 7692	0.2968 8670	70
71	0.4933 8105	0.4139 5462	0.3474 6495	0.2917 8054	71
72	0.4884 9609	0.4088 4407	0.3423 3000	0.2867 6221	72
73	0.4836 5949	0.4037 9661	0.3372 7093	0.2818 3018	73
74	0.4788 7078	0.3988 1147	0.3322 8663	0.2769 8298	74
75	0.4741 2949	0.3938 8787	0.3273 7599	0.2722 1914	75
76	0.4694 3514	0.3890 2506	0.3225 3793	0.2675 3724	76
77	0.4647 8726	0.3842 2228	0.3177 7136	0.2629 3586	77
78	0.4601 8541	0.3794 7879	0.3130 7523	0.2584 1362	78
79	0.4556 2912	0.3747 9387	0.3084 4850	0.2539 6916	79
80	0.4511 1794	0.3701 6679	0.3038 9015	0.2496 0114	80
81	0.4466 5142	0.3655 9683	0.2993 9916	0.2453 0825	81
82	0.4422 2913	0.3610 8329	0.2949 7454	0.2410 8919	82
83	0.4378 5063	0.3566 2547	0.2906 1531	0.2369 4269	83
84	0.4335 1547	0.3522 2268	0.2863 2050	0.2328 6751	84
85	0.4292 2324	0.3478 7426	0.2820 8917	0.2288 6242	85
86	0.4249 7350	0.3435 7951	0.2779 2036	0.2249 2621	86
87	0.4207 6585	0.3393 3779	0.2738 1316	0.2210 5770	87
88	0.4165 9985	0.3351 4843	0.2697 6666	0.2172 5572	88
89	0.4124 7510	0.3310 1080	0.2657 7997	0.2135 1914	89
90	0.4083 9119	0.3269 2425	0.2618 5218	0.2098 4682	90
91	0.4043 4771	0.3228 8814	0.2579 8245	0.2062 3766	91
92	0.4003 4427	0.3189 0187	0.2541 6990	0.2026 9057	92
93	0.3963 8046	0.3149 6481	0.2504 1369	0.1992 0450	93
94	0.3924 5590	0.3110 7636	0.2467 1300	0.1957 7837	94
95	0.3885 7020	0.3072 3591	0.2430 6699	0.1924 1118	95
96	0.3847 2297	0.3034 4287	0.2394 7487	0.1891 0190	96
97	0.3809 1383	0.2996 9666	0.2359 3583	0.1858 4953	97
98	0.3771 4241	0.2959 9670	0.2324 4909	0.1826 5310	98
99	0.3734 0832	0.2923 4242	0.2290 1389	0.1795 1165	99
100	0.3697 1121	0.2887 3326	0.2256 2944	0.1764 2422	100

TABLE II. $v^n = (1+i)^{-n}$

n	2%	$2\frac{1}{4}\%$	$2\frac{1}{2}\%$	$2\frac{3}{4}\%$	n
1	0.9803 9216	0.9779 9511	0.9756 0976	0.9732 3601	1
2	0.9611 6878	0.9564 7444	0.9518 1440	0.9471 8833	2
3	0.9423 2233	0.9354 2732	0.9285 9941	0.9218 3779	3
4	0.9238 4543	0.9148 4335	0.9059 5064	0.8971 6573	4
5	0.9057 3081	0.8947 1232	0.8838 5429	0.8731 5400	5
6	0.8879 7138	0.8750 2427	0.8622 9687	0.8497 8491	6
7	0.8705 6018	0.8557 6946	0.8412 6524	0.8270 4128	7
8	0.8534 9037	0.8369 3835	0.8207 4657	0.8049 0635	8
9	0.8367 5527	0.8185 2161	0.8007 2836	0.7833 6385	9
10	0.8203 4830	0.8005 1013	0.7811 9840	0.7623 9791	10
11	0.8042 6304	0.7828 9499	0.7621 4478	0.7419 9310	11
12	0.7884 9318	0.7656 6748	0.7435 5589	0.7221 3440	12
13	0.7730 3253	0.7488 1905	0.7254 2038	0.7028 0720	13
14	0.7578 7502	0.7323 4137	0.7077 2720	0.6839 9728	14
15	0.7430 1473	0.7162 2628	0.6904 6556	0.6656 9078	15
16	0.7284 4581	0.7004 6580	0.6736 2493	0.6478 7424	16
17	0.7141 6256	0.6850 5212	0.6571 9506	0.6305 3454	17
18	0.7001 5937	0.6699 7763	0.6411 6591	0.6136 5892	18
19	0.6864 3076	0.6552 3484	0.6255 2772	0.5972 3496	19
20	0.6729 7133	0.6408 1647	0.6102 7094	0.5812 5057	20
21	0.6597 7582	0.6267 1538	0.5953 8629	0.5656 9398	21
22	0.6468 3904	0.6129 2457	0.5808 6467	0.5505 5375	22
23	0.6341 5592	0.5994 3724	0.5666 9724	0.5358 1874	23
24	0.6217 2149	0.5862 4668	0.5528 7535	0.5214 7809	24
25	0.6095 3087	0.5733 4639	0.5393 9059	0.5075 2126	25
26	0.5975 7928	0.5607 2997	0.5262 3472	0.4939 3796	26
27	0.5858 6204	0.5483 9117	0.5133 9973	0.4807 1821	27
28	0.5743 7455	0.5363 2388	0.5008 7778	0.4678 5227	28
29	0.5631 1231	0.5245 2213	0.4886 6125	0.4553 3068	29
30	0.5520 7089	0.5129 8008	0.4767 4269	0.4431 4421	30
31	0.5412 4597	0.5016 9201	0.4651 1481	0.4312 8391	31
32	0.5306 3330	0.4906 5233	0.4537 7055	0.4197 4103	32
33	0.5202 2873	0.4798 5558	0.4427 0298	0.4085 0708	33
34	0.5100 2817	0.4692 9641	0.4319 0534	0.3975 7380	34
35	0.5000 2761	0.4589 6960	0.4213 7107	0.3869 3314	35
36	0.4902 2315	0.4488 7002	0.4110 9372	0.3765 7727	36
37	0.4806 1093	0.4389 9268	0.4010 6705	0.3664 9856	37
38	0.4711 8719	0.4293 3270	0.3912 8492	0.3566 8959	38
39	0.4619 4822	0.4198 8528	0.3817 4139	0.3471 4316	39
40	0.4528 9042	0.4106 4575	0.3724 3062	0.3378 5222	40
41	0.4440 1021	0.4016 0954	0.3633 4695	0.3288 0995	41
42	0.4353 0413	0.3927 7216	0.3544 8483	0.3200 0968	42
43	0.4267 6875	0.3841 2925	0.3458 3886	0.3114 4495	43
44	0.4184 0074	0.3756 7653	0.3374 0376	0.3031 0944	44
45	0.4101 9680	0.3674 0981	0.3291 7440	0.2949 9702	45
46	0.4021 5373	0.3593 2500	0.3211 4576	0.2871 0172	46
47	0.3942 6836	0.3514 1809	0.3133 1294	0.2794 1773	47
48	0.3865 3761	0.3436 8518	0.3056 7116	0.2719 3940	48
49	0.3789 5844	0.3361 2242	0.2982 1576	0.2646 6122	49
50	0.3715 2788	0.3287 2608	0.2909 4221	0.2575 7783	50

TABLE II. $v^n=(1+i)^{-n}$

n	2%	$2\frac{1}{4}\%$	$2\frac{1}{2}\%$	$2\frac{3}{4}\%$	n
51	0.3642 4302	0.3214 9250	0.2838 4606	0.2506 8402	51
52	0.3571 0100	0.3144 1810	0.2769 2298	0.2439 7471	52
53	0.3500 9902	0.3074 9936	0.2701 6876	0.2374 4497	53
54	0.3432 3433	0.3007 3287	0.2635 7928	0.2310 9000	54
55	0.3365 0425	0.2941 1528	0.2571 5052	0.2249 0511	55
56	0.3299 0613	0.2876 4330	0.2508 7855	0.2188 8575	56
57	0.3234 3738	0.2813 1374	0.2447 5956	0.2130 2749	57
58	0.3170 9547	0.2751 2347	0.2387 8982	0.2073 2603	58
59	0.3108 7791	0.2690 6940	0.2329 6568	0.2017 7716	59
60	0.3047 8227	0.2631 4856	0.2272 8359	0.1963 7679	60
61	0.2988 0614	0.2573 5801	0.2217 4009	0.1911 2097	61
62	0.2929 4720	0.2516 9487	0.2163 3179	0.1860 0581	62
63	0.2872 0314	0.2461 5635	0.2110 5541	0.1810 2755	63
64	0.2815 7170	0.2407 3971	0.2059 0771	0.1761 8253	64
65	0.2760 5069	0.2354 4226	0.2008 8557	0.1714 6718	65
66	0.2706 3793	0.2302 6138	0.1959 8593	0.1668 7804	66
67	0.2653 3130	0.2251 9450	0.1912 0578	0.1624 1172	67
68	0.2601 2873	0.2202 3912	0.1865 4223	0.1580 6493	68
69	0.2550 2817	0.2153 9278	0.1819 9241	0.1538 3448	69
70	0.2500 2761	0.2106 5309	0.1775 5358	0.1497 1726	70
71	0.2451 2511	0.2060 1769	0.1732 2300	0.1457 1023	71
72	0.2403 1874	0.2014 8429	0.1689 9805	0.1418 1044	72
73	0.2356 0661	0.1970 5065	0.1648 7615	0.1380 1503	73
74	0.2309 8687	0.1927 1458	0.1608 5478	0.1343 2119	74
75	0.2264 5771	0.1884 7391	0.1569 3149	0.1307 2622	75
76	0.2220 1737	0.1843 2657	0.1531 0389	0.1272 2747	76
77	0.2176 6408	0.1802 7048	0.1493 6965	0.1238 2235	77
78	0.2133 9616	0.1763 0365	0.1457 2649	0.1205 0837	78
79	0.2092 1192	0.1724 2411	0.1421 7218	0.1172 8309	79
80	0.2051 0973	0.1686 2993	0.1387 0457	0.1141 4412	80
81	0.2010 8797	0.1649 1925	0.1353 2153	0.1110 8917	81
82	0.1971 4507	0.1612 9022	0.1320 2101	0.1081 1598	82
83	0.1932 7948	0.1577 4105	0.1288 0098	0.1052 2237	83
84	0.1894 8968	0.1542 6997	0.1256 5949	0.1024 0620	84
85	0.1857 7420	0.1508 7528	0.1225 9463	0.0996 6540	85
86	0.1821 3157	0.1475 5528	0.1196 0452	0.0969 9795	86
87	0.1785 6036	0.1443 0835	0.1166 8733	0.0944 0190	87
88	0.1750 5918	0.1411 3286	0.1138 4130	0.0918 7533	88
89	0.1716 2665	0.1380 2724	0.1110 6468	0.0894 1638	89
90	0.1682 6142	0.1349 8997	0.1083 5579	0.0870 2324	90
91	0.1649 6217	0.1320 1953	0.1057 1296	0.0846 9415	91
92	0.1617 2762	0.1291 1445	0.1031 3460	0.0824 2740	92
93	0.1585 5649	0.1262 7331	0.1006 1912	0.0802 2131	93
94	0.1554 4754	0.1234 9468	0.0981 6500	0.0780 7427	94
95	0.1523 9955	0.1207 7719	0.0957 7073	0.0759 8469	95
96	0.1494 1132	0.1181 1950	0.0934 3486	0.0739 5104	96
97	0.1464 8169	0.1155 2029	0.0911 5596	0.0719 7181	97
98	0.1436 0950	0.1129 7828	0.0889 3264	0.0700 4556	98
99	0.1407 9363	0.1104 9221	0.0867 6355	0.0681 7086	99
100	0.1380 3297	0.1080 6084	0.0846 4737	0.0663 4634	100

TABLE II.

$v^n = (1+i)^{-n}$

n	3%	3½%	4%	4½%	n
1	0.9708 7379	0.9661 8357	0.9615 3846	0.9569 3780	1
2	0.9425 9591	0.9335 1070	0.9245 5621	0.9157 2995	2
3	0.9151 4166	0.9019 4271	0.8889 9636	0.8762 9660	3
4	0.8884 8705	0.8714 4223	0.8548 0419	0.8385 6134	4
5	0.8626 0878	0.8419 7317	0.8219 2711	0.8024 5105	5
6	0.8374 8426	0.8135 0064	0.7903 1453	0.7678 9574	6
7	0.8130 9151	0.7859 9096	0.7599 1781	0.7348 2846	7
8	0.7894 0923	0.7594 1156	0.7306 9021	0.7031 8513	8
9	0.7664 1673	0.7337 3097	0.7025 8674	0.6729 0443	9
10	0.7440 9391	0.7089 1881	0.6755 6417	0.6439 2768	10
11	0.7224 2128	0.6849 4571	0.6495 8093	0.6161 9874	11
12	0.7013 7988	0.6617 8330	0.6245 9705	0.5896 6386	12
13	0.6809 5134	0.6394 0415	0.6005 7409	0.5642 7164	13
14	0.6611 1781	0.6177 8179	0.5774 7508	0.5399 7286	14
15	0.6418 6195	0.5968 9062	0.5552 6450	0.5167 2044	15
16	0.6231 6694	0.5767 0591	0.5339 0818	0.4944 6932	16
17	0.6050 1645	0.5572 0378	0.5133 7325	0.4731 7639	17
18	0.5873 9461	0.5383 6114	0.4936 2812	0.4528 0037	18
19	0.5702 8603	0.5201 5569	0.4746 4242	0.4333 0179	19
20	0.5536 7575	0.5025 6588	0.4563 8695	0.4146 4286	20
21	0.5375 4928	0.4855 7090	0.4388 3360	0.3967 8743	21
22	0.5218 9250	0.4691 5063	0.4219 5539	0.3797 0089	22
23	0.5066 9175	0.4532 8563	0.4057 2633	0.3633 5013	23
24	0.4919 3374	0.4379 5713	0.3901 2147	0.3477 0347	24
25	0.4776 0557	0.4231 4699	0.3751 1680	0.3327 3060	25
26	0.4636 9473	0.4088 3767	0.3606 8923	0.3184 0248	26
27	0.4501 8906	0.3950 1224	0.3468 1657	0.3046 9137	27
28	0.4370 7675	0.3816 5434	0.3334 7747	0.2915 7069	28
29	0.4243 4636	0.3687 4815	0.3206 5141	0.2790 1502	29
30	0.4119 8676	0.3562 7841	0.3083 1867	0.2670 0002	30
31	0.3999 8715	0.3442 3035	0.2964 6026	0.2555 0241	31
32	0.3883 3703	0.3325 8971	0.2850 5794	0.2444 9991	32
33	0.3770 2625	0.3213 4271	0.2740 9417	0.2339 7121	33
34	0.3660 4490	0.3104 7605	0.2635 5209	0.2238 9589	34
35	0.3553 8340	0.2999 7686	0.2534 1547	0.2142 5444	35
36	0.3450 3243	0.2898 3272	0.2436 6872	0.2050 2817	36
37	0.3349 8294	0.2800 3161	0.2342 9685	0.1961 9921	37
38	0.3252 2615	0.2705 6194	0.2252 8543	0.1877 5044	38
39	0.3157 5355	0.2614 1250	0.2166 2061	0.1796 6549	39
40	0.3065 5684	0.2525 7247	0.2082 8904	0.1719 2870	40
41	0.2976 2800	0.2440 3137	0.2002 7793	0.1645 2507	41
42	0.2889 5922	0.2357 7910	0.1925 7493	0.1574 4026	42
43	0.2805 4294	0.2278 0590	0.1851 6820	0.1506 6054	43
44	0.2723 7178	0.2201 0231	0.1780 4635	0.1441 7276	44
45	0.2644 3862	0.2126 5924	0.1711 9841	0.1379 6437	45
46	0.2567 3653	0.2054 6787	0.1646 1386	0.1320 2332	46
47	0.2492 5876	0.1985 1968	0.1582 8256	0.1263 3810	47
48	0.2419 9880	0.1918 0645	0.1521 9476	0.1208 9771	48
49	0.2349 5029	0.1853 2024	0.1463 4112	0.1156 9158	49
50	0.2281 0708	0.1790 5337	0.1407 1262	0.1107 0965	50

TABLE II. $v^n = (1+i)^{-n}$

n	3%	3½%	4%	4½%	n
51	0.2214 6318	0.1729 9843	0.1353 0059	0.1059 4225	51
52	0.2150 1280	0.1671 4824	0.1300 9672	0.1013 8014	52
53	0.2087 5029	0.1614 9589	0.1250 9300	0.0970 1449	53
54	0.2026 7019	0.1560 3467	0.1202 8173	0.0928 3683	54
55	0.1967 6717	0.1507 5814	0.1156 5551	0.0888 3907	55
56	0.1910 3609	0.1456 6004	0.1112 0722	0.0850 1347	56
57	0.1854 7193	0.1407 3433	0.1069 3002	0.0813 5260	57
58	0.1800 6984	0.1359 7520	0.1028 1733	0.0778 4938	58
59	0.1748 2508	0.1313 7701	0.0988 6282	0.0744 9701	59
60	0.1697 3309	0.1269 3431	0.0950 6040	0.0712 8901	60
61	0.1647 8941	0.1226 4184	0.0914 0423	0.0682 1915	61
62	0.1599 8972	0.1184 9453	0.0878 8868	0.0652 8148	62
63	0.1553 2982	0.1144 8747	0.0845 0835	0.0624 7032	63
64	0.1508 0565	0.1106 1591	0.0812 5803	0.0597 8021	64
65	0.1464 1325	0.1068 7528	0.0781 3272	0.0572 0594	65
66	0.1421 4879	0.1032 6114	0.0751 2762	0.0547 4253	66
67	0.1380 0853	0.0997 6922	0.0722 3809	0.0523 8519	67
68	0.1339 8887	0.0963 9538	0.0694 5970	0.0501 2937	68
69	0.1300 8628	0.0931 3563	0.0667 8818	0.0479 7069	69
70	0.1262 9736	0.0899 8612	0.0642 1940	0.0459 0497	70
71	0.1226 1880	0.0869 4311	0.0617 4942	0.0439 2820	71
72	0.1190 4737	0.0840 0300	0.0593 7445	0.0420 3655	72
73	0.1155 7998	0.0811 6232	0.0570 9081	0.0402 2637	73
74	0.1122 1357	0.0784 1770	0.0548 9501	0.0384 9413	74
75	0.1089 4521	0.0757 6590	0.0527 8367	0.0368 3649	75
76	0.1057 7205	0.0732 0376	0.0507 5353	0.0352 5023	76
77	0.1026 9131	0.0707 2827	0.0488 0147	0.0337 3228	77
78	0.0997 0030	0.0683 3650	0.0469 2449	0.0322 7969	78
79	0.0967 9641	0.0660 2560	0.0451 1970	0.0308 8965	79
80	0.0939 7710	0.0637 9285	0.0433 8433	0.0295 5948	80
81	0.0912 3990	0.0616 3561	0.0417 1570	0.0282 8658	81
82	0.0885 8243	0.0595 5131	0.0401 1125	0.0270 6850	82
83	0.0860 0236	0.0575 3750	0.0385 6851	0.0259 0287	83
84	0.0834 9743	0.0555 9178	0.0370 8510	0.0247 8744	84
85	0.0810 6547	0.0537 1187	0.0356 5875	0.0237 2003	85
86	0.0787 0434	0.0518 9553	0.0342 8726	0.0226 9860	86
87	0.0764 1198	0.0501 4060	0.0329 6852	0.0217 2115	87
88	0.0741 8639	0.0484 4503	0.0317 0050	0.0207 8579	88
89	0.0720 2562	0.0468 0679	0.0304 8125	0.0198 9070	89
90	0.0699 2779	0.0452 2395	0.0293 0890	0.0190 3417	90
91	0.0678 9105	0.0436 9464	0.0281 8163	0.0182 1451	91
92	0.0659 1364	0.0422 1704	0.0270 9772	0.0174 3016	92
93	0.0639 9383	0.0407 8941	0.0260 5550	0.0166 7958	93
94	0.0621 2993	0.0394 1006	0.0250 5337	0.0159 6132	94
95	0.0603 2032	0.0380 7735	0.0240 8978	0.0152 7399	95
96	0.0585 6342	0.0367 8971	0.0231 6325	0.0146 1626	96
97	0.0568 5769	0.0355 4562	0.0222 7235	0.0139 8685	97
98	0.0552 0164	0.0343 4359	0.0214 1572	0.0133 8454	98
99	0.0535 9383	0.0331 8221	0.0205 9204	0.0128 0817	99
100	0.0520 3284	0.0320 6011	0.0198 0004	0.0122 5663	100

TABLE II.

$v^n = (1+i)^{-n}$

n	5%	$5\frac{1}{2}\%$	6%	7%	n
1	0.9523 8095	0.9478 6730	0.9433 9623	0.9345 7944	1
2	0.9070 2948	0.8984 5242	0.8899 9644	0.8734 3873	2
3	0.8638 3760	0.8516 1366	0.8396 1928	0.8162 9788	3
4	0.8227 0247	0.8072 1674	0.7920 9366	0.7628 9521	4
5	0.7835 2617	0.7651 3435	0.7472 5817	0.7129 8618	5
6	0.7462 1540	0.7252 4583	0.7049 6054	0.6663 4222	6
7	0.7106 8133	0.6874 3681	0.6650 5711	0.6227 4974	7
8	0.6768 3936	0.6515 9887	0.6274 1237	0.5820 0910	8
9	0.6446 0892	0.6176 2926	0.5918 9846	0.5439 3374	9
10	0.6139 1325	0.5854 3058	0.5583 9478	0.5083 4929	10
11	0.5846 7929	0.5549 1050	0.5267 8753	0.4750 9280	11
12	0.5568 3742	0.5259 8152	0.4969 6936	0.4440 1196	12
13	0.5303 2135	0.4985 6068	0.4688 3902	0.4149 6445	13
14	0.5050 6795	0.4725 6937	0.4423 0096	0.3878 1724	14
15	0.4810 1710	0.4479 3305	0.4172 6506	0.3624 4602	15
16	0.4581 1152	0.4245 8109	0.3936 4628	0.3387 3460	16
17	0.4362 9669	0.4024 4653	0.3713 6442	0.3165 7439	17
18	0.4155 2065	0.3814 6590	0.3503 4379	0.2958 6392	18
19	0.3957 3396	0.3615 7906	0.3305 1301	0.2765 0832	19
20	0.3768 8948	0.3427 2896	0.3118 0473	0.2584 1900	20
21	0.3589 4236	0.3248 6158	0.2941 5540	0.2415 1309	21
22	0.3418 4987	0.3079 2567	0.2775 0510	0.2257 1317	22
23	0.3255 7131	0.2918 7267	0.2617 9726	0.2109 4688	23
24	0.3100 6791	0.2766 5656	0.2469 7855	0.1971 4662	24
25	0.2953 0277	0.2622 3370	0.2329 9863	0.1842 4918	25
26	0.2812 4073	0.2485 6275	0.2198 1003	0.1721 9549	26
27	0.2678 4832	0.2356 0450	0.2073 6795	0.1609 3037	27
28	0.2550 9364	0.2233 2181	0.1956 3014	0.1504 0221	28
29	0.2429 4632	0.2116 7944	0.1845 5674	0.1405 6282	29
30	0.2313 7745	0.2006 4402	0.1741 1013	0.1313 6712	30
31	0.2203 5947	0.1901 8390	0.1642 5484	0.1227 7301	31
32	0.2098 6617	0.1802 6910	0.1549 5740	0.1147 4113	32
33	0.1998 7254	0.1708 7119	0.1461 8622	0.1072 3470	33
34	0.1903 5480	0.1619 6321	0.1379 1153	0.1002 1934	34
35	0.1812 9029	0.1535 1963	0.1301 0522	0.0936 6294	35
36	0.1726 5741	0.1455 1624	0.1227 4077	0.0875 3546	36
37	0.1644 3563	0.1379 3008	0.1157 9318	0.0818 0884	37
38	0.1566 0536	0.1307 3941	0.1092 3885	0.0764 5686	38
39	0.1491 4797	0.1239 2362	0.1030 5552	0.0714 5501	39
40	0.1420 4568	0.1174 6314	0.0972 2219	0.0667 8038	40
41	0.1352 8160	0.1113 3947	0.0917 1905	0.0624 1157	41
42	0.1288 3962	0.1055 3504	0.0865 2740	0.0583 2857	42
43	0.1227 0440	0.1000 3322	0.0816 2962	0.0545 1268	43
44	0.1168 6133	0.0948 1822	0.0770 0908	0.0509 4643	44
45	0.1112 9651	0.0898 7509	0.0726 5007	0.0476 1349	45
46	0.1059 9668	0.0851 8965	0.0685 3781	0.0444 9859	46
47	0.1009 4921	0.0807 4849	0.0646 5831	0.0415 8747	47
48	0.0961 4211	0.0765 3885	0.0609 9840	0.0388 6679	48
49	0.0915 6391	0.0725 4867	0.0575 4566	0.0363 2410	49
50	0.0872 0373	0.0687 6652	0.0542 8836	0.0339 4776	50

TABLE II. $v^n = (1+i)^{-n}$

n	5%	$5\frac{1}{2}\%$	6%	7%	n
51	0.0830 5117	0.0651 8153	0.0512 1544	0.0317 2688	51
52	0.0790 9635	0.0617 8344	0.0483 1645	0.0296 5129	52
53	0.0753 2986	0.0585 6250	0.0455 8156	0.0277 1148	53
54	0.0717 4272	0.0555 0948	0.0430 0147	0.0258 9858	54
55	0.0683 2640	0.0526 1562	0.0405 6742	0.0242 0428	55
56	0.0650 7276	0.0498 7263	0.0382 7115	0.0226 2083	56
57	0.0619 7406	0.0472 7263	0.0361 0486	0.0211 4096	57
58	0.0590 2291	0.0448 0818	0.0340 6119	0.0197 5791	58
59	0.0562 1230	0.0424 7221	0.0321 3320	0.0184 6533	59
60	0.0535 3552	0.0402 5802	0.0303 1434	0.0172 5732	60
61	0.0509 8621	0.0381 5926	0.0285 9843	0.0161 2834	61
62	0.0485 5830	0.0361 6992	0.0269 7965	0.0150 7321	62
63	0.0462 4600	0.0342 8428	0.0254 5250	0.0140 8711	63
64	0.0440 4381	0.0324 9695	0.0240 1179	0.0131 6553	64
65	0.0419 4648	0.0308 0279	0.0226 5264	0.0123 0423	65
66	0.0399 4903	0.0291 9696	0.0213 7041	0.0114 9928	66
67	0.0380 4670	0.0276 7485	0.0201 6077	0.0107 4699	67
68	0.0362 3495	0.0262 3208	0.0190 1959	0.0100 4392	68
69	0.0345 0948	0.0248 6453	0.0179 4301	0.0093 8684	69
70	0.0328 6617	0.0235 6828	0.0169 2737	0.0087 7275	70
71	0.0313 0111	0.0223 3960	0.0159 6921	0.0081 9883	71
72	0.0298 1058	0.0211 7498	0.0150 6530	0.0076 6246	72
73	0.0283 9103	0.0200 7107	0.0142 1254	0.0071 6117	73
74	0.0270 3908	0.0190 2471	0.0134 0806	0.0066 9269	74
75	0.0257 5150	0.0180 3290	0.0126 4911	0.0062 5485	75
76	0.0245 2524	0.0170 9279	0.0119 3313	0.0058 4565	76
77	0.0233 5737	0.0162 0170	0.0112 5767	0.0054 6323	77
78	0.0222 4512	0.0153 5706	0.0106 2044	0.0051 0582	78
79	0.0211 8582	0.0145 5646	0.0100 1928	0.0047 7179	79
80	0.0201 7698	0.0137 9759	0.0094 5215	0.0044 5962	80
81	0.0192 1617	0.0130 7828	0.0089 1713	0.0041 6787	81
82	0.0183 0111	0.0123 9648	0.0084 1238	0.0038 9520	82
83	0.0174 2963	0.0117 5022	0.0079 3621	0.0036 4038	83
84	0.0165 9965	0.0111 3765	0.0074 8699	0.0034 0222	84
85	0.0158 0919	0.0105 5701	0.0070 6320	0.0031 7965	85
86	0.0150 5637	0.0100 0664	0.0066 6340	0.0029 7163	86
87	0.0143 3940	0.0094 8497	0.0062 8622	0.0027 7723	87
88	0.0136 5657	0.0089 9049	0.0059 3040	0.0025 9554	88
89	0.0130 0626	0.0085 2180	0.0055 9472	0.0024 2574	89
90	0.0123 8691	0.0080 7753	0.0052 7803	0.0022 6704	90
91	0.0117 9706	0.0076 5643	0.0049 7928	0.0021 1873	91
92	0.0112 3530	0.0072 5728	0.0046 9743	0.0019 8012	92
93	0.0107 0028	0.0068 7894	0.0044 3154	0.0018 5058	93
94	0.0101 9074	0.0065 2032	0.0041 8070	0.0017 2952	94
95	0.0097 0547	0.0061 8040	0.0039 4405	0.0016 1637	95
96	0.0092 4331	0.0058 5820	0.0037 2081	0.0015 1063	96
97	0.0088 0315	0.0055 5279	0.0035 1019	0.0014 1180	97
98	0.0083 8395	0.0052 6331	0.0033 1150	0.0013 1944	98
99	0.0079 8471	0.0049 8892	0.0031 2406	0.0012 3312	99
100	0.0076 0449	0.0047 2883	0.0029 4723	0.0011 5245	100

TABLE III.

$s_{\overline{n}|} = [(1+i)^n - 1]/i$

n	1%	$1\frac{1}{4}\%$	$1\frac{1}{2}\%$	$1\frac{3}{4}\%$	n
1	1.0000 0000	1.0000 0000	1.0000 0000	1.0000 0000	1
2	2.0100 0000	2.0125 0000	2.0150 0000	2.0175 0000	2
3	3.0301 0000	3.0376 5625	3.0452 2500	3.0528 0625	3
4	4.0604 0100	4.0756 2695	4.0909 0338	4.1062 3036	4
5	5.1010 0501	5.1265 7229	5.1522 6693	5.1780 8939	5
6	6.1520 1506	6.1906 5444	6.2295 5093	6.2687 0596	6
7	7.2135 3521	7.2680 3762	7.3229 9419	7.3784 0831	7
8	8.2856 7056	8.3588 8809	8.4328 3911	8.5075 3045	8
9	9.3685 2727	9.4633 7420	9.5593 3169	9.6564 1224	9
10	10.4622 1254	10.5816 6637	10.7027 2167	10.8253 9945	10
11	11.5668 3467	11.7139 3720	11.8632 6249	12.0148 4394	11
12	12.6825 0301	12.8603 6142	13.0412 1143	13.2251 0371	12
13	13.8093 2804	14.0211 1594	14.2368 2960	14.4565 4303	13
14	14.9474 2132	15.1963 7988	15.4503 8205	15.7095 3253	14
15	16.0968 9554	16.3863 3463	16.6821 3778	16.9844 4935	15
16	17.2578 6449	17.5911 6382	17.9323 6984	18.2816 7721	16
17	18.4304 4314	18.8110 5336	19.2013 5539	19.6016 0656	17
18	19.6147 4757	20.0461 9153	20.4893 7572	20.9446 3468	18
19	20.8108 9504	21.2967 6893	21.7967 1636	22.3111 6578	19
20	22.0190 0399	22.5629 7854	23.1236 6710	23.7016 1119	20
21	23.2391 9403	23.8450 1577	24.4705 2211	25.1163 8938	21
22	24.4715 8598	25.1430 7847	25.8375 7994	26.5559 2620	22
23	25.7163 0183	26.4573 6695	27.2251 4364	28.0206 5490	23
24	26.9734 6485	27.7880 8403	28.6335 2080	29.5110 1637	24
25	28.2431 9950	29.1354 3508	30.0630 2361	31.0274 5915	25
26	29.5256 3150	30.4996 2802	31.5139 6896	32.5704 3969	26
27	30.8208 8781	31.8808 7337	32.9866 7850	34.1404 2238	27
28	32.1290 9669	33.2793 8429	34.4814 7867	35.7378 7977	28
29	33.4503 8766	34.6953 7659	35.9987 0085	37.3632 9267	29
30	34.7848 9153	36.1290 6880	37.5386 8137	39.0171 5029	30
31	36.1327 4045	37.5806 8216	39.1017 6159	40.6999 5042	31
32	37.4940 6785	39.0504 4069	40.6882 8801	42.4121 9955	32
33	38.8690 0853	40.5385 7120	42.2986 1233	44.1544 1305	33
34	40.2576 9862	42.0453 0334	43.9330 9152	45.9271 1527	34
35	41.6602 7560	43.5708 6963	45.5920 8789	47.7308 3979	35
36	43.0768 7836	45.1155 0550	47.2759 6921	49.5661 2949	36
37	44.5076 4714	46.6794 4932	48.9851 0874	51.4335 3675	37
38	45.9527 2361	48.2629 4243	50.7198 8538	53.3336 2365	38
39	47.4122 5085	49.8662 2921	52.4806 8366	55.2669 6206	39
40	48.8863 7336	51.4895 5708	54.2678 9391	57.2341 3390	40
41	50.3752 3709	53.1331 7654	56.0819 1232	59.2357 3124	41
42	51.8789 8946	54.7973 4125	57.9231 4100	61.2723 5654	42
43	53.3977 7936	56.4823 0801	59.7919 8812	63.3446 2278	43
44	54.9317 5715	58.1883 3687	61.6888 6794	65.4531 5367	44
45	56.4810 7472	59.9156 9108	63.6142 0096	67.5985 8386	45
46	58.0458 8547	61.6646 3721	65.5684 1398	69.7815 5908	46
47	59.6263 4432	63.4354 4518	67.5519 4018	72.0027 3637	47
48	61.2226 0777	65.2283 8824	69.5652 1929	74.2627 8425	48
49	62.8348 3385	67.0437 4310	71.6086 9758	76.5623 8298	49
50	64.4631 8218	68.8817 8989	73.6828 2804	78.9022 2468	50

TABLE III. $s_{\overline{n}|} = [(1+i)^n - 1] \div i$

n	1%	1¼%	1½%	1¾%	n
51	66.1078 1401	70.7428 1226	75.7880 7046	81.2830 1361	51
52	67.7688 9215	72.6270 9741	77.9248 9152	83.7054 6635	52
53	69.4465 8107	74.5349 3613	80.0937 6489	86.1703 1201	53
54	71.1410 4688	76.4666 2283	82.2951 7136	88.6782 9247	54
55	72.8524 5735	78.4224 5562	84.5295 9893	91.2301 6259	55
56	74.5809 8192	80.4027 3631	86.7975 4292	93.8266 9043	56
57	76.3267 9174	82.4077 7052	89.0995 0606	96.4686 5752	57
58	78.0900 5966	84.4378 6765	91.4359 9865	99.1568 5902	58
59	79.8709 6025	86.4933 4099	93.8075 3863	101.8921 0405	59
60	81.6696 6986	88.5745 0776	96.2146 5171	104.6752 1588	60
61	83.4863 6655	90.6816 8910	98.6578 7149	107.5070 3215	61
62	85.3212 3022	92.8152 1022	101.1377 3956	110.3884 0522	62
63	87.1744 4252	94.9754 0034	103.6548 0565	113.3202 0231	63
64	89.0461 8695	97.1625 9285	106.2096 2774	116.3033 0585	64
65	90.9366 4882	99.3771 2526	108.8027 7215	119.3386 1370	65
66	92.8460 1531	101.6193 3933	111.4348 1374	122.4270 3944	66
67	94.7744 7546	103.8895 8107	114.1063 3594	125.5695 1263	67
68	96.7222 2021	106.1882 0083	116.8179 3098	128.7669 7910	68
69	98.6894 4242	108.5155 5334	119.5701 9995	132.0204 0124	69
70	100.6763 3684	110.8719 9776	122.3637 5295	135.3307 5826	70
71	102.6831 0021	113.2578 9773	125.1992 0924	138.6990 4653	71
72	104.7099 3121	115.6736 2145	128.0771 9738	142.1262 7984	72
73	106.7570 3052	118.1195 4172	130.9983 5534	145.6134 8974	73
74	108.8246 0083	120.5960 3599	133.9633 3067	149.1617 2581	74
75	110.9128 4684	123.1034 8644	136.9727 8063	152.7720 5601	75
76	113.0219 7530	125.6422 8002	140.0273 7234	156.4455 6699	76
77	115.1521 9506	128.2128 0852	143.1277 8292	160.1833 6441	77
78	117.3037 1701	130.8154 6863	146.2746 9967	163.9865 7329	78
79	119.4767 5418	133.4506 6199	149.4688 2016	167.8563 3832	79
80	121.6715 2172	136.1187 9526	152.7108 5247	171.7938 2424	80
81	123.8882 3694	138.8202 8020	156.0015 1525	175.8002 1617	81
82	126.1271 1931	141.5555 3370	159.3415 3798	179.8767 1995	82
83	128.3883 9050	144.3249 7787	162.7316 6105	184.0245 6255	83
84	130.6722 7440	147.1290 4010	166.1726 3597	188.2449 9239	84
85	132.9789 9715	149.9681 5310	169.6652 2551	192.5392 7976	85
86	135.3087 8712	152.8427 5501	173.2102 0389	196.9087 1716	86
87	137.6618 7499	155.7532 8945	176.8083 5695	201.3546 1971	87
88	140.0384 9374	158.7002 0557	180.4604 8230	205.8783 2555	88
89	142.4388 7868	161.6839 5814	184.1673 8954	210.4811 9625	89
90	144.8632 6746	164.7050 0762	187.9299 0038	215.1646 1718	90
91	147.3119 0014	167.7638 2021	191.7488 4889	219.9299 9798	91
92	149.7850 1914	170.8608 6796	195.6250 8162	224.7787 7295	92
93	152.2828 6933	173.9966 2881	199.5594 5784	229.7124 0148	93
94	154.8056 9803	177.1715 8667	203.5528 4971	234.7323 6850	94
95	157.3537 5501	180.3862 3151	207.6061 4246	239.8401 8495	95
96	159.9272 9256	183.6410 5940	211.7202 3459	245.0373 8819	96
97	162.5265 6548	186.9365 7264	215.8960 3811	250.3255 4248	97
98	165.1518 3114	190.2732 7980	220.1344 7868	255.7062 3947	98
99	167.8033 4945	193.6516 9580	224.4364 9586	261.1810 9866	99
100	170.4813 8294	197.0723 4200	228.8030 4330	266.7517 6789	100

TABLE III.

$s_{\overline{n}|} = [(1+i)^n - 1]/i$

n	2%	$2\frac{1}{4}\%$	$2\frac{1}{2}\%$	$2\frac{3}{4}\%$	n
1	1.0000 0000	1.0000 0000	1.0000 0000	1.0000 0000	1
2	2.0200 0000	2.0225 0000	2.0250 0000	2.0275 0000	2
3	3.0604 0000	3.0680 0625	3.0756 2500	3.0832 5625	3
4	4.1216 0800	4.1370 3639	4.1525 1563	4.1680 4580	4
5	5.2040 4016	5.2301 1971	5.2563 2852	5.2826 6706	5
6	6.3081 2096	6.3477 9740	6.3877 3673	6.4279 4040	6
7	7.4342 8338	7.4906 2284	7.5474 3015	7.6047 0876	7
8	8.5829 6905	8.6591 6186	8.7361 1590	8.8138 3825	8
9	9.7546 2843	9.8539 9300	9.9545 1880	10.0562 1880	9
10	10.9497 2100	11.0757 0784	11.2033 8177	11.3327 6482	10
11	12.1687 1542	12.3249 1127	12.4834 6631	12.6444 1585	11
12	13.4120 8973	13.6022 2177	13.7955 5297	13.9921 3729	12
13	14.6803 3152	14.9082 7176	15.1404 4179	15.3769 2107	13
14	15.9739 3815	16.2437 0788	16.5189 5284	16.7997 8639	14
15	17.2934 1692	17.6091 9130	17.9319 2666	18.2617 8052	15
16	18.6392 8525	19.0053 9811	19.3802 2483	19.7639 7948	16
17	20.0120 7096	20.4330 1957	20.8647 3045	21.3074 8892	17
18	21.4123 1238	21.8927 6251	22.3863 4871	22.8934 4487	18
19	22.8405 5863	23.3853 4966	23.9460 0743	24.5230 1460	19
20	24.2973 6980	24.9115 2003	25.5446 5761	26.1973 9750	20
21	25.7833 1719	26.4720 2923	27.1832 7405	27.9178 2593	21
22	27.2989 8354	28.0676 4989	28.8628 5590	29.6855 6615	22
23	28.8449 6321	29.6991 7201	30.5844 2730	31.5019 1921	23
24	30.4218 6247	31.3674 0338	32.3490 3798	33.3682 2199	24
25	32.0302 9972	33.0731 6996	34.1577 6393	35.2858 4810	25
26	33.6709 0572	34.8173 1628	36.0117 0803	37.2562 0892	26
27	35.3443 2383	36.6007 0590	37.9120 0073	39.2807 5467	27
28	37.0512 1031	38.4242 2178	39.8598 0075	41.3609 7542	28
29	38.7922 3451	40.2887 6677	41.8562 9577	43.4984 0224	29
30	40.5680 7921	42.1952 6402	43.9027 0316	45.6946 0830	30
31	42.3794 4079	44.1446 5746	46.0002 7074	47.9512 1003	31
32	44.2270 2961	46.1379 1226	48.1502 7751	50.2698 6831	32
33	46.1115 7020	48.1760 1528	50.3540 3445	52.6522 8969	33
34	48.0338 0160	50.2599 7563	52.6128 8531	55.1002 2765	34
35	49.9944 7763	52.3908 2508	54.9282 0744	57.6154 8391	35
36	51.9943 6719	54.5696 1864	57.3014 1263	60.1999 0972	36
37	54.0342 5453	56.7974 3506	59.7339 4794	62.8554 0724	37
38	56.1149 3962	59.0753 7735	62.2272 9664	65.5839 3094	38
39	58.2372 3841	61.4045 7334	64.7829 7906	68.3874 8904	39
40	60.4019 8318	63.7861 7624	67.4025 5354	71.2681 4499	40
41	62.6100 2284	66.2213 6521	70.0876 1737	74.2280 1898	41
42	64.8622 2330	68.7113 4592	72.8398 0781	77.2692 8950	42
43	67.1594 6777	71.2573 5121	75.6608 0300	80.3941 9496	43
44	69.5026 5712	73.8606 4161	78.5523 2308	83.6050 3532	44
45	71.8927 1027	76.5225 0605	81.5161 3116	86.9041 7379	45
46	74.3305 6447	79.2442 6243	84.5540 3443	90.2940 3857	46
47	76.8171 7576	82.0272 5834	87.6678 8530	93.7771 2463	47
48	79.3535 1927	84.8728 7165	90.8595 8243	97.3559 9556	48
49	81.9405 8966	87.7825 1126	94.1310 7199	101.0332 8544	49
50	84.5794 0145	90.7576 1776	97.4843 4879	104.8117 0079	50

TABLE III. $s_{\overline{n}|} = [(1+i)^n - 1]/i$

n	2%	$2\frac{1}{4}\%$	$2\frac{1}{2}\%$	$2\frac{3}{4}\%$	n
51	87.2709 8948	93.7996 6416	100.9214 5751	108.6940 2256	51
52	90.0164 0927	96.9101 5661	104.4444 9395	112.6831 0818	52
53	92.8167 3746	100.0906 3513	108.0556 0629	116.7818 9365	53
54	95.6730 7221	103.3426 7442	111.7569 9645	120.9933 9573	54
55	98.5865 3365	106.6678 8460	115.5509 2136	125.3207 1411	55
56	101.5582 6432	110.0679 1200	119.4396 9440	129.7670 3375	56
57	104.5894 2961	113.5444 4002	123.4256 8676	134.3356 2718	57
58	107.6812 1820	117.0991 8992	127.5113 2893	139.0298 5692	58
59	110.8348 4257	120.7339 2169	131.6991 1215	143.8531 7799	59
60	114.0515 3942	124.4504 3493	135.9915 8995	148.8091 4038	60
61	117.3325 7021	128.2505 6972	140.3913 7970	153.9013 9174	61
62	120.6792 2161	132.1362 0754	144.9011 6419	159.1336 8002	62
63	124.0928 0604	136.1092 7221	149.5236 9330	164.5098 5622	63
64	127.5746 6216	140.1717 3083	154.2617 8563	170.0338 7726	64
65	131.1261 5541	144.3255 9477	159.1183 3027	175.7098 0889	65
66	134.7486 7852	148.5729 2066	164.0962 8853	181.5418 2863	66
67	138.4436 5209	152.9158 1137	169.1986 9574	187.5342 2892	67
68	142.2125 2513	157.3564 1713	174.4286 6314	193.6914 2021	68
69	146.0567 7563	161.8969 3651	179.7893 7971	200.0179 3427	69
70	149.9779 1114	166.5396 1758	185.2841 1421	206.5184 2746	70
71	153.9774 6937	171.2867 5898	190.9162 1706	213.1976 8422	71
72	158.0570 1875	176.1407 1106	196.6891 2249	220.0606 2054	72
73	162.2181 5913	181.1038 7705	202.6063 5055	227.1122 8760	73
74	166.4625 2231	186.1787 1429	208.6715 0931	234.3578 7551	74
75	170.7917 7276	191.3677 3536	214.8882 9705	241.8027 1709	75
76	175.2076 0821	196.6735 0941	221.2605 0447	249.4522 9181	76
77	179.7117 6038	202.0986 6337	227.7920 1709	257.3122 2983	77
78	184.3059 9558	207.6458 8329	234.4868 1751	265.3883 1615	78
79	188.9921 1549	213.3179 1567	241.3489 8795	273.6864 9485	79
80	193.7719 5780	219.1175 6877	248.3827 1265	282.2128 7345	80
81	198.6473 9696	225.0477 1407	255.5922 8047	290.9737 2747	81
82	203.6203 4490	231.1112 8763	262.9820 8748	299.9755 0498	82
83	208.6927 5180	237.3112 9160	270.5566 3966	309.2248 3137	83
84	213.8666 0683	243.6507 9567	278.3205 5566	318.7285 1423	84
85	219.1439 3897	250.1329 3857	286.2785 6955	328.4935 4837	85
86	224.5268 1775	256.7609 2969	294.4355 3379	338.5271 2095	86
87	230.0173 5411	263.5380 5060	302.7964 2213	348.8366 1678	87
88	235.6177 0119	270.4676 5674	311.3663 3268	359.4296 2374	88
89	241.3300 5521	277.5531 7902	320.1504 9100	370.3139 3839	89
90	247.1566 5632	284.7981 2555	329.1542 5328	381.4975 7170	90
91	253.0997 8944	292.2060 8337	338.3831 0961	392.9887 5492	91
92	259.1617 8523	299.7807 2025	347.8426 8735	404.7959 4568	92
93	265.3450 2094	307.5257 8645	357.5387 5453	416.9278 3418	93
94	271.6519 2135	315.4451 1665	367.4772 2339	429.3933 4962	94
95	278.0849 5978	323.5426 3177	377.6641 5398	442.2016 6674	95
96	284.6466 5898	331.8223 4099	388.1057 5783	455.3622 1257	96
97	291.3395 9216	340.2883 4366	398.8084 0177	468.8846 7342	97
98	298.1663 8400	348.9448 3139	409.7786 1182	482.7790 0194	98
99	305.1297 1168	357.7960 9010	421.0230 7711	497.0554 2449	99
100	312.2323 0591	366.8465 0213	432.5486 5404	511.7244 4867	100

TABLE III.

$$s_{\overline{n}|} = [(1+i)^n - 1] / i$$

n	3%	$3\frac{1}{2}\%$	4%	$4\frac{1}{2}\%$	n
1	1.0000 0000	1.0000 0000	1.0000 0000	1.0000 0000	1
2	2.0300 0000	2.0350 0000	2.0400 0000	2.0450 0000	2
3	2.0909 0000	3.1062 2500	3.1216 0000	3.1370 2500	3
4	4.1836 2700	4.2149 4288	4.2464 6400	4.2781 9113	4
5	5.3091 3581	5.3624 6588	5.4163 2256	5.4707 0973	5
6	6.4684 0988	6.5501 5218	6.6329 7546	6.7168 9166	6
7	7.6624 6218	7.7794 0751	7.8992 9448	8.0191 5179	7
8	8.8923 3605	9.0516 8677	9.2142 2626	9.3800 1362	8
9	10.1591 0613	10.3684 9581	10.5827 9531	10.8021 1423	9
10	11.4638 7931	11.7313 9316	12.0061 0712	12.2882 0937	10
11	12.8077 9569	13.1419 9192	13.4863 5141	13.8411 7879	11
12	14.1920 2956	14.6019 6164	15.0258 0546	15.4650 3184	12
13	15.6177 9045	16.1130 3030	16.6268 3768	17.1599 1327	13
14	17.0863 2416	17.6769 8636	18.2919 1119	18.9321 0937	14
15	18.5989 1389	19.2956 8088	20.0235 8764	20.7840 5429	15
16	20.1568 8130	20.9710 2971	21.8245 3114	22.7193 3673	16
17	21.7615 8774	22.7050 1575	23.6975 1239	24.7417 0689	17
18	23.4144 3537	24.4996 9130	25.6454 1288	26.8550 8370	18
19	25.1168 6844	26.3571 8050	27.6712 2940	29.0635 6246	19
20	26.8703 7449	28.2796 8181	29.7780 7858	31.3714 2277	20
21	28.6764 8572	30.2694 7068	31.9692 1072	33.7831 3680	21
22	30.5367 8030	32.3289 0215	34.2479 6979	36.3033 7795	22
23	32.4528 8370	34.4604 1373	36.6178 8858	38.9370 2996	23
24	34.4264 7022	36.6665 2821	39.0826 0412	41.6891 9631	24
25	36.4592 6432	38.9498 5669	41.6459 0829	44.5652 1015	25
26	38.5530 4225	41.3131 0168	44.3117 4462	47.5706 4460	26
27	40.7096 3352	43.7590 6024	47.0842 1440	50.7113 2361	27
28	42.9309 2252	46.2906 2734	49.9675 8298	53.9933 3317	28
29	45.2188 5020	48.9107 9930	52.9662 8630	57.4230 3316	29
30	47.5754 1571	51.6226 7728	56.0849 3775	61.0070 6966	30
31	50.0026 7818	54.4294 7098	59.3283 3526	64.7523 8779	31
32	52.5027 5852	57.3345 0247	62.7014 6867	68.6662 4524	32
33	55.0778 4128	60.3412 1005	66.2095 2742	72.7562 2628	33
34	57.7301 7652	63.4531 5240	69.8579 0851	77.0302 5646	34
35	60.4620 8181	66.6740 1274	73.6522 2486	81.4966 1800	35
36	63.2759 4427	70.0076 0318	77.5983 1385	86.1639 6581	36
37	66.1742 2259	73.4578 6930	81.7022 4640	91.0413 4427	37
38	69.1594 4927	77.0288 9472	85.9703 3626	96.1382 0476	38
39	72.2342 3275	80.7249 0604	90.4091 4971	101.4644 2398	39
40	75.4012 5973	84.5502 7775	95.0255 1570	107.0303 2306	40
41	78.6632 9753	88.5095 3747	99.8265 3633	112.8466 8760	41
42	82.0231 9645	92.6073 7128	104.8195 9778	118.9247 8854	42
43	85.4838 9234	96.8486 2928	110.0123 8169	125.2764 0402	43
44	89.0484 0911	101.2383 3130	115.4128 7696	131.9138 4220	44
45	92.7198 6139	105.7816 7290	121.0293 9204	138.8499 6510	45
46	96.5014 5723	110.4840 3145	126.8705 6772	146.0982 1353	46
47	100.3965 0095	115.3509 7255	132.9453 9043	153.6726 3314	47
48	104.4083 9598	120.3882 5659	139.2632 0604	161.5879 0163	48
49	108.5406 4785	125.6018 4557	145.8337 3429	169.8593 5720	49
50	112.7968 6729	130.9979 1016	152.6670 8366	178.5030 2828	50

Amount of 1 per Annum at Compound Interest

TABLE III. $s_{\overline{n}|} = [(1+i)^n - 1]\ i$

n	3%	3½%	4%	4½%	n
51	117.1807 7331	136.5828 3702	159.7737 6700	187.5356 6455	51
52	121.6961 9651	142.3632 3631	167.1647 1768	196.9747 6946	52
53	126.3470 8240	148.3459 4958	174.8513 0639	206.8386 3408	53
54	131.1374 9488	154.5380 5782	182.8453 5865	217.1463 7262	54
55	136.0716 1972	160.9468 8984	191.1591 7299	227.9179 5938	55
56	141.1537 6831	167.5800 3099	199.8055 3991	239.1742 6756	56
57	146.3883 8136	174.4453 3207	208.7977 6151	250.9371 0960	57
58	151.7800 3280	181.5509 1869	218.1496 7197	263.2292 7953	58
59	157.3334 3379	188.9052 0085	227.8756 5885	276.0745 9711	59
60	163.0534 3680	196.5168 8288	237.9906 8520	289.4979 5398	60
61	168.9450 3991	204.3949 7378	248.5103 1261	303.5253 6190	61
62	175.0133 9110	212.5487 9786	259.4507 2511	318.1840 0319	62
63	181.2637 9284	220.9880 0579	270.8287 5412	333.5022 8333	63
64	187.7017 0662	229.7225 8599	282.6619 0428	349.5098 8608	64
65	194.3327 5782	238.7628 7650	294.9683 8045	366.2378 3096	65
66	201.1627 4055	248.1195 7718	307.7671 1567	383.7185 3335	66
67	208.1976 2277	257.8037 6238	321.0778 0030	401.9858 6735	67
68	215.4435 5145	267.8268 9406	334.9209 1231	421.0752 3138	68
69	222.9068 5800	278.2008 3535	349.3177 4880	441.0236 1679	69
70	230.5940 6374	288.9378 6459	364.2904 5876	461.8696 7955	70
71	238.5118 8565	300.0506 8985	379.8620 7711	483.6538 1513	71
72	246.6672 4222	311.5524 6400	396.0565 6019	506.4182 3681	72
73	255.0672 5949	323.4568 0024	412.8988 2260	530.2070 5747	73
74	263.7192 7727	335.7777 8824	430.4147 7550	555.0663 7505	74
75	272.6308 5559	348.5300 1083	448.6313 6652	581.0443 6193	75
76	281.8097 8126	361.7285 6121	467.5766 2118	608.1913 5822	76
77	291.2640 7469	375.3890 6085	487.2796 8603	636.5599 6934	77
78	301.0019 9693	389.5276 7798	507.7708 7347	666.2051 6796	78
79	311.0320 5684	404.1611 4671	529.0817 0841	697.1844 0052	79
80	321.3630 1855	419.3067 8685	551.2449 7675	729.5576 9854	80
81	332.0039 0910	434.9825 2439	574.2947 7582	763.3877 9497	81
82	342.9640 2638	451.2069 1274	598.2665 6685	798.7402 4575	82
83	354.2529 4717	467.9991 5469	623.1972 2952	835.6835 5680	83
84	365.8805 3558	485.3791 2510	649.1251 1870	874.2893 1686	84
85	377.8569 5165	503.3673 9448	676.0901 2345	914.6323 3612	85
86	390.1926 6020	521.9852 5329	704.1337 2839	956.7907 9125	86
87	402.8984 4001	541.2547 3715	733.2990 7753	1000.8463 7685	87
88	415.9853 9321	561.1986 5295	763.6310 4063	1046.8844 6381	88
89	429.4649 5500	581.8406 0581	795.1762 8225	1094.9942 6468	89
90	443.3489 0365	603.2050 2701	827.9833 3354	1145.2690 0659	90
91	457.6493 7076	625.3172 0295	862.1026 6688	1197.8061 1189	91
92	472.3788 5189	648.2033 0506	897.5867 7356	1252.7073 8692	92
93	487.5502 1744	671.8904 2073	934.4902 4450	1310.0792 1933	93
94	503.1767 2397	696.4065 8546	972.8698 5428	1370.0327 8420	94
95	519.2720 2569	721.7808 1595	1012.7846 4845	1432.6842 5949	95
96	535.8501 8645	748.0431 4451	1054.2960 3439	1498.1550 5117	96
97	552.9256 9205	775.2246 5457	1097.4678 7577	1566.5720 2847	97
98	570.5134 6281	803.3575 1748	1142.3665 9080	1638.0677 6976	98
99	588.6288 6669	832.4750 3059	1189.0612 5443	1712.7808 1939	99
100	607.2877 3270	862.6116 5666	1237.6237 0461	1790.8559 5627	100

TABLE III.

$s_{\overline{n}|} = [(1+i)^n - 1]/i$

n	5%	5½%	6%	7%	n
1	1.0000 0000	1.0000 0000	1.0000 0000	1.0000 0000	1
2	2.0500 0000	2.0550 0000	2.0600 0000	2.0700 0000	2
3	3.1525 0000	3.1680 2500	3.1836 0000	3.2149 0000	3
4	4.3101 2500	4.3422 6638	4.3746 1600	4.4399 4300	4
5	5.5256 3125	5.5810 9103	5.6370 9296	5.7507 3901	5
6	6.8019 1281	6.8880 5103	6.9753 1854	7.1532 9074	6
7	8.1420 0845	8.2668 9384	8.3938 3765	8.6540 2109	7
8	9.5491 0888	9.7215 7300	9.8974 6791	10.2598 0257	8
9	11.0265 6432	11.2562 5951	11.4913 1598	11.9779 8875	9
10	12.5778 9254	12.8753 5379	13.1807 9494	13.8164 4796	10
11	14.2067 8716	14.5834 9825	14.9716 4264	15.7835 9932	11
12	15.9171 2652	16.3855 9065	16.8699 4120	17.8884 5127	12
13	17.7129 8285	18.2867 9814	18.8821 3767	20.1406 4286	13
14	19.5986 3199	20.2925 7203	21.0150 6593	22.5504 8786	14
15	21.5785 6359	22.4086 6350	23.2759 6988	25.1290 2201	15
16	23.6574 9177	24.6411 3999	25.6725 2808	27.8880 5355	16
17	25.8403 6636	26.9964 0269	28.2128 7976	30.8402 1730	17
18	28.1323 8467	29.4812 0483	30.9056 5255	33.9990 3251	18
19	30.5390 0391	32.1026 7110	33.7599 9170	37.3789 6479	19
20	33.0659 5410	34.8683 1801	36.7855 9120	40.9954 9232	20
21	35.7192 5181	37.7860 7550	39.9927 2668	44.8651 7678	21
22	38.5052 1440	40.8643 0965	43.3922 9028	49.0057 3916	22
23	41.4304 7512	44.1118 4669	46.9958 2769	53.4361 4090	23
24	44.5019 9887	47.5379 9825	50.8155 7735	58.1766 7076	24
25	47.7270 9882	51.1525 8816	54.8645 1200	63.2490 3772	25
26	51.1134 5376	54.9659 8051	59.1563 8272	68.6764 7036	26
27	54.6691 2645	58.9891 0943	63.7057 6568	74.4838 2328	27
28	58.4025 8277	63.2335 1045	68.5281 1162	80.6976 9091	28
29	62.3227 1191	67.7113 5353	73.6397 9832	87.3465 2927	29
30	66.4388 4750	72.4354 7797	79.0581 8622	94.4607 8632	30
31	70.7607 8988	77.4194 2926	84.8016 7739	102.0730 4137	31
32	75.2988 2937	82.6774 9787	90.8897 7803	110.2181 5426	32
33	80.0637 7084	88.2247 6025	97.3431 6471	118.9334 2506	33
34	85.0669 5938	94.0771 2207	104.1837 5460	128.2587 6481	34
35	90.3203 0735	100.2513 6378	111.4347 7987	138.2368 7835	35
36	95.8363 2272	106.7651 8879	119.1208 6666	148.9134 5984	36
37	101.6281 3886	113.6372 7417	127.2681 1866	160.3374 0202	37
38	107.7095 4580	120.8873 2425	135.9042 0578	172.5610 2017	38
39	114.0950 2309	128.5361 2708	145.0584 5813	185.6402 9158	39
40	120.7997 7424	136.6056 1407	154.7619 6562	199.6351 1199	40
41	127.8397 6295	145.1189 2285	165.0476 8356	214.6095 6983	41
42	135.2317 5110	154.1004 6360	175.9505 4457	230.6322 3972	42
43	142.9933 3866	163.5759 8910	187.5075 7724	247.7764 9650	43
44	151.1430 0559	173.5726 6850	199.7580 3188	266.1208 5125	44
45	159.7001 5587	184.1191 6527	212.7435 1379	285.7493 1084	45
46	168.6851 6366	195.2457 1936	226.5081 2462	306.7517 6260	46
47	178.1194 2185	206.9842 3392	241.0986 1210	329.2243 8598	47
48	188.0253 9294	219.3683 6679	256.5645 2882	353.2700 9300	48
49	198.4266 6259	232.4336 2696	272.9584 0055	378.9989 9951	49
50	209.3479 9572	246.2174 7645	290.3359 0458	406.5289 2947	50

TABLE III. $s_{\overline{n}|} = [(1+i)^n - 1]/i$

n	5%	$5\frac{1}{2}\%$	6%	7%	n
51	220.8153 9550	260.7594 3765	308.7560 5886	435.9858 5454	51
52	232.8561 6528	276.1012 0672	328.2814 2239	467.5049 7135	52
53	245.4989 7354	292.2867 7309	348.9783 0773	501.2303 1935	53
54	258.7739 2222	309.3625 4561	370.9170 0620	537.3164 4170	54
55	272.7126 1833	327.3774 8562	394.1720 2657	575.9285 9262	55
56	287.3482 4924	346.3832 4733	418.8223 4816	617.2435 9410	56
57	302.7156 6171	366.4343 2593	444.9516 8905	661.4506 4569	57
58	318.8514 4479	387.5882 1386	472.6487 9040	708.7521 9089	58
59	335.7940 1703	409.9055 6562	502.0077 1782	759.3648 4425	59
60	353.5837 1788	433.4503 7173	533.1281 8089	813.5203 8335	60
61	372.2629 0378	458.2901 4217	566.1158 7174	871.4668 1019	61
62	391.8760 4897	484.4960 9999	601.0828 2405	933.4694 8690	62
63	412.4698 5141	512.1433 8549	638.1477 9349	999.8123 5098	63
64	434.0933 4398	541.3112 7170	677.4366 6110	1070.7992 1555	64
65	456.7980 1118	572.0833 9164	719.0828 6076	1146.7551 6064	65
66	480.6379 1174	604.5479 7818	763.2278 3241	1228.0280 2188	66
67	505.6698 0733	638.7981 1698	810.0215 0236	1314.9899 8341	67
68	531.9532 9770	674.9320 1341	859.6227 9250	1408.0392 8225	68
69	559.5509 6258	713.0532 7415	912.2001 6005	1507.6020 3201	69
70	588.5285 1071	753.2712 0423	967.9321 6965	1614.1341 7425	70
71	618.9549 3625	795.7011 2046	1027.0080 9983	1728.1235 6645	71
72	650.9026 8306	840.4646 8209	1089.6285 8582	1850.0922 1610	72
73	684.4478 1721	887.6902 3960	1156.0063 0097	1980.5986 7123	73
74	719.6702 0807	937.5132 0278	1226.3666 7903	2120.2405 7821	74
75	756.6537 1848	990.0764 2893	1300.9486 7977	2269.6574 1869	75
76	795.4864 0440	1045.5306 3252	1380.0056 0055	2429.5334 3800	76
77	836.2607 2462	1104.0348 1731	1463.8059 3659	2600.6007 7866	77
78	879.0737 6085	1165.7567 3226	1552.6342 9278	2783.6428 3316	78
79	924.0274 4889	1230.8733 5254	1646.7923 5035	2979.4978 3148	79
80	971.2288 2134	1299.5713 8693	1746.5998 9137	3189.0626 7969	80
81	1020.7902 6240	1372.0478 1321	1852.3958 8485	3413.2970 6727	81
82	1072.8297 7552	1448.5104 4294	1964.5396 3794	3653.2278 6198	82
83	1127.4712 6430	1529.1785 1730	2083.4120 1622	3909.9538 1231	83
84	1184.8448 2752	1614.2833 3575	2209.4167 3719	4184.6505 7918	84
85	1245.0870 6889	1704.0689 1921	2342.9817 4142	4478.5761 1972	85
86	1308.3414 2234	1798.7927 0977	2484.5606 4591	4793.0764 4810	86
87	1374.7584 9345	1898.7263 0881	2634.6342 8466	5129.5917 9946	87
88	1444.4964 1812	2004.1562 5579	2793.7123 4174	5489.6632 2543	88
89	1517.7212 3903	2115.3848 4986	2962.3350 8225	5874.9396 5121	89
90	1594.6073 0098	2232.7310 1660	3141.0751 8718	6287.1854 2679	90
91	1675.3376 6603	2356.5312 2252	3330.5396 9841	6728.2884 0667	91
92	1760.1045 4933	2487.1404 3976	3531.3720 8032	7200.2685 9513	92
93	1849.1097 7680	2624.9331 6394	3744.2544 0514	7705.2873 9679	93
94	1942.5652 6564	2770.3044 8796	3969.9096 6944	8245.6575 1457	94
95	2040.6935 2892	2923.6712 3480	4209.1042 4961	8823.8535 4059	95
96	2143.7282 0537	3085.4731 5271	4462.6505 0459	9442.5232 8843	96
97	2251.9146 1564	3256.1741 7611	4731.4095 3486	10104.4999 1862	97
98	2365.5103 4642	3436.2637 5580	5016.2941 0696	10812.8149 1292	98
99	2484.7858 6374	3626.2582 6237	5318.2717 5337	11570.7119 5683	99
100	2610.0251 5693	3826.7024 6680	5638.3680 5857	12381.6617 9381	100

Present Value of 1 per Annum at Compound Interest

TABLE IV. $a_{\overline{n}|} = (1 - v^n)/i$

n	1%	$1\frac{1}{4}\%$	$1\frac{1}{2}\%$	$1\frac{3}{4}\%$	n
1	0.9900 9901	0.9876 5432	0.9852 2167	0.9828 0098	1
2	1.9703 9506	1.9631 1538	1.9558 8342	1.9486 9875	2
3	2.9409 8521	2.9265 3371	2.9122 0042	2.8979 8403	3
4	3.9019 6555	3.8780 5798	3.8543 8465	3.8309 4254	4
5	4.8534 3124	4.8178 3504	4.7826 4497	4.7478 5508	5
6	5.7954 7647	5.7460 0992	5.6971 8717	5.6489 9762	6
7	6.7281 9453	6.6627 2585	6.5982 1396	6.5346 4139	7
8	7.6516 7775	7.5681 2429	7.4859 2508	7.4050 5297	8
9	8.5660 1758	8.4623 4498	8.3605 1732	8.2604 9432	9
10	9.4713 0453	9.3455 2591	9.2221 8455	9.1012 2291	10
11	10.3676 2825	10.2178 0337	10.0711 1779	9.9274 9181	11
12	11.2550 7747	11.0793 1197	10.9075 0521	10.7395 4969	12
13	12.1337 4007	11.9301 8466	11.7315 3222	11.5376 4097	13
14	13.0037 0304	12.7705 5275	12.5433 8150	12.3220 0587	14
15	13.8650 5252	13.6005 4592	13.3432 3301	13.0928 8046	15
16	14.7178 7378	14.4202 9227	14.1312 6405	13.8504 9677	16
17	15.5622 5127	15.2299 1829	14.9076 4931	14.5950 8282	17
18	16.3982 6858	16.0295 4893	15.6725 6089	15.3268 6272	18
19	17.2260 0850	16.8193 0759	16.4261 6837	16.0460 5673	19
20	18.0455 5297	17.5993 1613	17.1686 3879	16.7528 8130	20
21	18.8569 8313	18.3696 9495	17.9001 3673	17.4475 4919	21
22	19.6603 7934	19.1305 6291	18.6208 2437	18.1302 6948	22
33	20.4558 2113	19.8820 3744	19.3308 6145	18.8012 4764	23
24	21.2433 8726	20.6242 3451	20.0304 0537	19.4606 8565	24
25	22.0231 5570	21.3572 6865	20.7196 1120	20.1087 8196	25
26	22.7952 0366	22.0812 5299	21.3986 3172	20.7457 3166	26
27	23.5596 0759	22.7962 9925	22.0676 1746	21.3717 2644	27
28	24.3164 4316	23.5025 1778	22.7267 1671	21.9869 5474	28
29	25.0657 8530	24.2000 1756	23.3760 7558	22.5916 0171	29
30	25.8077 0822	24.8889 0623	24.0158 3801	23.1858 4934	30
31	26.5422 8537	25.5692 9010	24.6461 4582	23.7698 7650	31
32	27.2695 8947	26.2412 7418	25.2671 3874	24.3438 5897	32
33	27.9896 9255	26.9049 6215	25.8789 5442	24.9079 6951	33
34	28.7026 6589	27.5604 5644	26.4817 2849	25.4623 7789	34
35	29.4085 8009	28.2078 5822	27.0755 9458	26.0072 5100	35
36	30.1075 0504	28.8472 6737	27.6606 8431	26.5427 5283	36
37	30.7995 0994	29.4787 8259	28.2371 2740	27.0690 4455	37
38	31.4846 6330	30.1025 0133	28.8050 5163	27.5862 8457	38
39	32.1630 3298	30.7185 1983	29.3645 8288	28.0946 2857	39
40	32.8346 8611	31.3269 3316	29.9158 4520	28.5942 2955	40
41	33.4996 8922	31.9278 3522	30.4589 6079	29.0852 3789	41
42	34.1581 0814	32.5213 1874	30.9940 5004	29.5678 0136	42
43	34.8100 0806	33.1074 7530	31.5212 3157	30.0420 6522	43
44	35.4554 5352	33.6863 9536	32.0406 2223	30.5081 7221	44
45	36.0945 0844	34.2581 6825	32.5523 3718	30.9662 6261	45
46	36.7272 3608	34.8228 8222	33.0564 8983	31.4164 7431	46
47	37.3536 9909	35.3806 2442	33.5531 9195	31.8589 4281	47
48	37.9739 5949	35.9314 8091	34.0425 5365	32.2938 0129	48
49	38.5880 7871	36.4755 3670	34.5246 8339	32.7211 8063	49
50	39.1961 1753	37.0128 7574	34.9996 8807	33.1412 0946	50

TABLE IV.

$$a_{\overline{n}|} = (1 - v^n)/i$$

n	1%	$1\frac{1}{4}\%$	$1\frac{1}{2}\%$	$1\frac{3}{4}\%$	n
51	39.7981 3617	37.5435 8099	35.4676 7298	33.5540 1421	51
52	40.3941 9423	38.0677 3431	35.9287 4185	33.9597 1913	52
53	40.9843 5072	38.5854 1660	36.3829 9690	34.3584 4633	53
54	41.5686 6408	39.0967 0776	36.8305 3882	34.7503 1579	54
55	42.1471 9216	39.6016 8667	37.2714 6681	35.1354 4550	55
56	42.7199 9224	40.1004 3128	37.7058 7863	35.5139 5135	56
57	43.2871 2102	40.5930 1855	38.1338 7058	35.8859 4727	57
58	43.8486 3468	41.0795 2449	38.5555 3751	36.2515 4523	58
59	44.4045 8879	41.5600 2419	38.9709 7292	36.6108 5526	59
60	44.9550 3841	42.0345 9179	39.3802 6889	36.9639 8552	60
61	45.5000 3803	42.5033 0054	39.7835 1614	37.3110 4228	61
62	46.0396 4161	42.9662 2275	40.1808 0408	37.6521 3000	62
63	46.5739 0258	43.4234 2988	40.5722 2077	37.9873 5135	63
64	47.1028 7385	43.8749 9247	40.9578 5298	38.3168 0723	64
65	47.6266 0777	44.3209 8022	41.3377 8618	38.6405 9678	65
66	48.1451 5621	44.7614 6195	41.7121 0461	38.9588 1748	66
67	48.6585 7050	45.1965 0563	42.0808 9125	39.2715 6509	67
68	49.1669 0149	45.6261 7840	42.4442 2783	39.5789 3375	68
69	49.6701 9949	46.0505 4656	42.8021 9490	39.8810 1597	69
70	50.1685 1435	46.4696 7562	43.1548 7183	40.1779 0267	70
71	50.6618 9539	46.8836 3024	43.5023 3678	40.4696 8321	71
72	51.1503 9148	47.2924 7431	43.8446 6677	40.7564 4542	72
73	51.6340 5097	47.6962 7093	44.1819 3771	41.0382 7560	73
74	52.1129 2175	48.0950 8240	44.5142 2434	41.3152 5857	74
75	52.5870 5124	48.4889 7027	44.8416 0034	41.5874 7771	75
76	53.0564 8637	48.8779 9533	45.1641 3826	41.8550 1495	76
77	53.5212 7364	49.2622 1761	45.4819 0962	42.1179 5081	77
78	53.9814 5905	49.6416 9640	45.7949 8485	42.3763 6443	78
79	54.4370 8817	50.0164 9027	46.1034 3335	42.6303 3359	79
80	54.8882 0611	50.3866 5706	46.4073 2349	42.8799 3474	80
81	55.3348 5753	50.7522 5389	46.7067 2265	43.1252 4298	81
82	55.7770 8666	51.1133 3717	47.0016 9720	43.3663 3217	82
83	56.2149 3729	51.4699 6264	47.2923 1251	43.6032 7486	83
84	56.6484 5276	51.8221 8532	47.5786 3301	43.8361 4237	84
85	57.0776 7600	52.1700 5958	47.8607 2218	44.0650 0479	85
86	57.5026 4951	52.5136 3909	48.1386 4254	44.2899 3099	86
87	57.9234 1535	52.8529 7688	48.4124 5571	44.5109 8869	87
88	58.3400 1520	53.1881 2531	48.6822 2237	44.7282 4441	88
89	58.7524 9030	53.5191 3611	48.9480 0234	44.9417 6355	89
90	59.1608 8148	53.8460 6035	49.2098 5452	45.1516 1037	90
91	59.5652 2919	54.1689 4850	49.4678 3696	45.3578 4803	91
92	59.9655 7346	54.4878 5037	49.7220 0686	45.5605 3860	92
93	60.3619 5392	54.8028 1518	49.9724 2055	45.7597 4310	93
94	60.7544 0982	55.1138 9154	50.2191 3355	45.9555 2147	94
95	61.1429 8002	55.4211 2744	50.4622 0054	46.1479 3265	95
96	61.5277 0299	55.7245 7031	50.7016 7541	46.3370 3455	96
97	61.9086 1682	56.0242 6698	50.9376 1124	46.5228 8408	97
98	62.2857 5923	56.3202 6368	51.1700 6034	46.7055 3718	98
99	62.6591 6755	56.6126 0610	51.3990 7422	46.8850 4882	99
100	63.0288 7877	56.9013 3936	51.6247 0367	47.0614 7304	100

TABLE IV.

$a_{\overline{n}|} = (1 - v^n)/i$

n	2%	$2\frac{1}{4}\%$	$2\frac{1}{2}\%$	$2\frac{3}{4}\%$	n
1	0.9803 9216	0.9779 9511	0.9756 0976	0.9732 3601	1
2	1.9415 6094	1.9344 6955	1.9274 2415	1.9204 2434	2
3	2.8838 8327	2.8698 9687	2.8560 2356	2.8422 6213	3
4	3.8077 2870	3.7847 4021	3.7619 7421	3.7394 2787	4
5	4.7134 5951	4.6794 5253	4.6458 2850	4.6125 8186	5
6	5.6014 3089	5.5544 7680	5.5081 2536	5.4623 6678	6
7	6.4719 9107	6.4102 4626	6.3493 9060	6.2894 0806	7
8	7.3254 8144	7.2471 8461	7.1701 3717	7.0943 1441	8
9	8.1622 3671	8.0657 0622	7.9708 6553	7.8776 7826	9
10	8.9825 8501	8.8662 1635	8.7520 6393	8.6400 7616	10
11	9.7868 4805	9.6491 1134	9.5142 0871	9.3820 6926	11
12	10.5753 4122	10.4147 7882	10.2577 6460	10.1042 0366	12
13	11.3483 7375	11.1635 9787	10.9831 8497	10.8070 1086	13
14	12.1062 4877	11.8959 3924	11.6909 1217	11.4910 0814	14
15	12.8492 6350	12.6121 6551	12.3813 7773	12.1566 9892	15
16	13.5777 0931	13.3126 3131	13.0550 0266	12.8045 7315	16
17	14.2918 7188	13.9976 8343	13.7121 9772	13.4351 0769	17
18	14.9920 3125	14.6676 6106	14.3533 6363	14.0487 6661	18
19	15.6784 6201	15.3228 9590	14.9788 9134	14.6460 0157	19
20	16.3514 3334	15.9637 1237	15.5891 6229	15.2272 5213	20
21	17.0112 0916	16.5904 2775	16.1845 4857	15.7929 4612	21
22	17.6580 4820	17.2033 5232	16.7654 1324	16.3434 9987	22
23	18.2922 0412	17.8027 8955	17.3321 1048	16.8793 1861	23
24	18.9139 2560	18.3890 3624	17.8849 8583	17.4007 9670	24
25	19.5234 5647	18.9623 8263	18.4243 7642	17.9083 1795	25
26	20.1210 3576	19.5231 1260	18.9506 1114	18.4022 5592	26
27	20.7068 9780	20.0715 0376	19.4640 1087	18.8829 7413	27
28	21.2812 7236	20.6078 2764	19.9648 8866	19.3508 2640	28
29	21.8443 8466	21.1323 4977	20.4535 4991	19.8061 5708	29
30	22.3964 5555	21.6453 2985	20.9302 9259	20.2493 0130	30
31	22.9377 0152	22.1470 2186	21.3954 0741	20.6805 8520	31
32	23.4683 3482	22.6376 7419	21.8491 7796	21.1003 2623	32
33	23.9885 6355	23.1175 2977	22.2918 8094	21.5088 3332	33
34	24.4985 9172	23.5868 2618	22.7237 8628	21.9064 0712	34
35	24.9986 1933	24.0457 9577	23.1451 5734	22.2933 4026	35
36	25.4888 4248	24.4946 6579	23.5562 5107	22.6699 1753	36
37	25.9694 5341	24.9336 5848	23.9573 1812	23.0364 1609	37
38	26.4406 4060	25.3629 9118	24.3486 0304	23.3931 0568	38
39	26.9025 8883	25.7828 7646	24.7303 4443	23.7402 4884	39
40	27.3554 7924	26.1935 2221	25.1027 7505	24.0781 0106	40
41	27.7994 8945	26.5951 3174	25.4661 2200	24.4069 1101	41
42	28.2347 9358	26.9879 0390	25.8206 0683	24.7269 2069	42
43	28.6615 6233	27.3720 3316	26.1664 4569	25.0383 6563	43
44	29.0799 6307	27.7477 0969	26.5038 4945	25.3414 7507	44
45	29.4901 5987	28.1151 1950	26.8330 2386	25.6364 7209	45
46	29.8923 1360	28.4744 4450	27.1541 6962	25.9235 7381	46
47	30.2865 8196	28.8258 6259	27.4674 8255	26.2029 9154	47
48	30.6731 1957	29.1695 4777	27.7731 5371	26.4749 3094	48
49	31.0520 7801	29.5056 7019	28.0713 6947	26.7395 9215	49
50	31.4236 0589	29.8343 9627	28.3623 1168	26.9971 6998	50

TABLE IV. $a_{\overline{n}|} = (1 - v^n)/i$

n	2%	$2\frac{1}{4}\%$	$2\frac{1}{2}\%$	$2\frac{3}{4}\%$	n
51	31.7878 4892	30.1558 8877	28.6461 5774	27.2478 5400	51
52	32.1449 4992	30.4703 0687	28.9230 8072	27.4918 2871	52
53	32.4950 4894	30.7778 0623	29.1932 4948	27.7292 7368	53
54	32.8382 8327	31.0785 3910	29.4568 2876	27.9603 6368	54
55	33.1747 8752	31.3726 5438	29.7139 7928	28.1852 6879	55
56	33.5046 9365	31.6602 9768	29.9648 5784	28.4041 5454	56
57	33.8281 3103	31.9416 1142	30.2096 1740	28.6171 8203	57
58	34.1452 2650	32.2167 3489	30.4484 0722	28.8245 0806	58
59	34.4561 0441	32.4858 0429	30.6813 7290	29.0262 8522	59
60	34.7608 8668	32.7489 5285	30.9086 5649	29.2226 6201	60
61	35.0596 9282	33.0063 1086	31.1303 9657	29.4137 8298	61
62	35.3526 4002	33.2580 0573	31.3467 2836	29.5997 8879	62
63	35.6398 4316	33.5041 6208	31.5577 8377	29.7808 1634	63
64	35.9214 1486	33.7449 0179	31.7636 9148	29.9569 9887	64
65	36.1974 6555	33.9803 4405	31.9645 7705	30.1284 6605	65
66	36.4681 0348	34.2106 0543	32.1605 6298	30.2953 4409	66
67	36.7334 3478	34.4357 9993	32.3517 6876	30.4577 5581	67
68	36.9935 6351	34.6560 3905	32.5383 1099	30.6158 2074	68
69	37.2485 9168	34.8714 3183	32.7203 0340	30.7696 5522	69
70	37.4986 1929	35.0820 8492	32.8978 5698	30.9193 7247	70
71	37.7437 4441	35.2881 0261	33.0710 7998	31.0650 8270	71
72	37.9840 6314	35.4895 8691	33.2400 7803	31.2068 9314	72
73	38.2196 6975	35.6866 3756	33.4049 5417	31.3449 0816	73
74	38.4506 5662	35.8793 5214	33.5658 0895	31.4792 2936	74
75	38.6771 1433	36.0678 2605	33.7227 4044	31.6099 5558	75
76	38.8991 3170	36.2521 5262	33.8758 4433	31.7371 8304	76
77	39.1167 9578	36.4324 2310	34.0252 1398	31.8610 0540	77
78	39.3301 9194	36.6087 2675	34.1709 4047	31.9815 1377	78
79	39.5394 0386	36.7811 5085	34.3131 1265	32.0987 9685	79
80	39.7445 1359	36.9497 8079	34.4518 1722	32.2129 4098	80
81	39.9456 0156	37.1147 0004	34.5871 3875	32.3240 3015	81
82	40.1427 4663	37.2759 9026	34.7191 5976	32.4321 4613	82
83	40.3360 2611	37.4337 3130	34.8479 6074	32.5373 6850	83
84	40.5255 1579	37.5880 0127	34.9736 2023	32.6397 7469	84
85	40.7112 8999	37.7388 7655	35.0962 1486	32.7394 4009	85
86	40.8934 2156	37.8864 3183	35.2158 1938	32.8364 3804	86
87	41.0719 8192	38.0307 4018	35.3325 0671	32.9308 3994	87
88	41.2470 4110	38.1718 7304	35.4463 4801	33.0227 1527	88
89	41.4186 6774	38.3099 0028	35.5574 1269	33.1121 3165	89
90	41.5869 2916	38.4448 9025	35.6657 6848	33.1991 5489	90
91	41.7518 9133	38.5769 0978	35.7714 8144	33.2838 4905	91
92	41.9136 1895	38.7060 2423	35.8746 1604	33.3662 7644	92
93	42.0721 7545	38.8322 9754	35.9752 3516	33.4464 9776	93
94	42.2276 2299	38.9557 9221	36.0734 0016	33.5245 7202	94
95	42.3800 2254	39.0765 6940	36.1691 7089	33.6005 5671	95
96	42.5294 3386	39.1946 8890	36.2626 0574	33.6745 0775	96
97	42.6759 1555	39.3102 0920	36.3537 6170	33.7464 7956	97
98	42.8195 2505	39.4231 8748	36.4426 9434	33.8165 2512	98
99	42.9603 1867	39.5336 7968	36.5294 5790	33.8846 9598	99
100	43.0983 5164	39.6417 4052	36.6141 0526	33.9510 4232	100

TABLE IV.

$a_{\overline{n}|} = (1 - v^n)/i$

n	3%	$3\frac{1}{2}\%$	4%	$4\frac{1}{2}\%$	n
1	0.9708 7379	0.9661 8357	0.9615 3846	0.9569 3780	1
2	1.9134 6970	1.8996 9428	1.8860 9467	1.8726 6775	2
3	2.8286 1135	2.8016 3698	2.7750 9103	2.7489 6435	3
4	3.7170 9840	3.6730 7921	3.6298 9522	3.5875 2570	4
5	4.5797 0719	4.5150 5238	4.4518 2233	4.3899 7674	5
6	5.4171 9144	5.3285 5302	5.2421 3686	5.1578 7248	6
7	6.2302 8296	6.1145 4398	6.0020 5467	5.8927 0094	7
8	7.0196 9219	6.8739 5554	6.7327 4487	6.5958 8607	8
9	7.7861 0892	7.6076 8651	7.4353 3161	7.2687 9050	9
10	8.5302 0284	8.3166 0532	8.1108 9578	7.9127 1818	10
11	9.2526 2411	9.0015 5104	8.7604 7671	8.5289 1692	11
12	9.9540 0399	9.6633 3433	9.3850 7376	9.1185 8078	12
13	10.6349 5533	10.3027 3849	9.9856 4785	9.6828 5242	13
14	11.2960 7314	10.9205 2028	10.5631 2293	10.2228 2528	14
15	11.9379 3509	11.5174 1090	11.1183 8743	10.7395 4573	15
16	12.5611 0203	12.0941 1681	11.6522 9561	11.2340 1505	16
17	13.1661 1847	12.6513 2059	12.1656 6885	11.7071 9143	17
18	13.7535 1308	13.1896 8173	12.6592 9697	12.1599 9180	18
19	14.3237 9911	13.7098 3742	13.1339 3940	12.5932 9359	19
20	14.8774 7486	14.2124 0330	13.5903 2634	13.0079 3645	20
21	15.4150 2414	14.6979 7420	14.0291 5995	13.4047 2388	21
22	15.9369 1664	15.1671 2484	14.4511 1533	13.7844 2476	22
23	16.4436 0839	15.6204 1047	14.8568 4167	14.1477 7489	23
24	16.9355 4212	16.0583 6760	15.2469 6314	14.4954 7837	24
25	17.4131 4769	16.4815 1459	15.6220 7994	14.8282 0896	25
26	17.8768 4242	16.8903 5226	15.9827 6918	15.1466 1145	26
27	18.3270 3147	17.2853 6451	16.3295 8575	15.4513 0282	27
28	18.7641 0823	17.6670 1885	16.6630 6322	15.7428 7351	28
29	19.1884 5459	18.0357 6700	16.9837 1463	16.0218 8853	29
30	19.6004 4135	18.3920 4541	17.2920 3330	16.2888 8854	30
31	20.0004 2849	18.7362 7576	17.5884 9356	16.5443 9095	31
32	20.3887 6553	19.0688 6547	17.8735 5150	16.7888 9086	32
33	20.7657 9178	19.3902 0818	18.1476 4567	17.0228 6207	33
34	21.1318 3668	19.7006 8423	18.4111 9776	17.2467 5796	34
35	21.4872 2007	20.0006 6110	18.6646 1323	17.4610 1240	35
36	21.8322 5250	20.2904 9381	18.9082 8195	17.6660 4058	36
37	22.1672 3544	20.5705 2542	19.1425 7880	17.8622 3979	37
38	22.4924 6159	20.8410 8736	19.3678 6423	18.0499 9023	38
39	22.8082 1513	21.1024 9987	19.5844 8484	18.2296 5572	39
40	23.1147 7197	21.3550 7234	19.7927 7388	18.4015 8442	40
41	23.4123 9997	21.5991 0371	19.9930 5181	18.5661 0949	41
42	23.7013 5920	21.8348 8281	20.1856 2674	18.7235 4975	42
43	23.9819 0213	22.0626 8870	20.3707 9494	18.8742 1029	43
44	24.2542 7392	22.2827 9102	20.5488 4129	19.0183 8305	44
45	24.5187 1254	22.4954 5026	20.7200 3970	19.1563 4742	45
46	24.7754 4907	22.7009 1813	20.8846 5356	19.2883 7074	46
47	25.0247 0783	22.8994 3780	21.0429 3612	19.4147 0884	47
48	25.2667 0664	23.0912 4425	21.1951 3088	19.5356 0654	48
49	25.5016 5693	23.2765 6450	21.3414 7200	19.6512 9813	49
50	25.7297 6401	23.4556 1787	21.4821 8462	19.7620 0778	50

TABLE IV. $a_{\overline{n}|} = (1 - v^n)/i$

n	3%	$3\frac{1}{2}\%$	4%	$4\frac{1}{2}\%$	n
51	25.9512 2719	23.6286 1630	21.6174 8521	19.8679 5003	51
52	26.1662 3999	23.7957 6454	21.7475 8193	19.9693 3017	52
53	26.3749 9028	23.9572 6043	21.8726 7493	20.0663 4466	53
54	26.5776 6047	24.1132 9510	21.9929 5667	20.1591 8149	54
55	26.7744 2764	24.2640 5323	22.1086 1218	20.2480 2057	55
56	26.9654 6373	24.4097 1327	22.2189 1940	20.3330 3404	56
57	27.1509 3566	24.5504 4760	22.3267 4943	20.4143 8664	57
58	27.3310 0549	24.6864 2281	22.4295 6676	20.4922 3602	58
59	27.5058 3058	24.8177 9981	22.5284 2957	20.5667 3303	59
60	27.6755 6367	24.9447 3412	22.6234 8997	20.6380 2204	60
61	27.8403 5307	25.0673 7596	22.7148 9421	20.7062 4118	61
62	28.0003 4279	25.1858 7049	22.8027 8289	20.7715 2266	62
63	28.1556 7261	25.3003 5796	22.8872 9124	20.8339 9298	63
64	28.3064 7826	25.4109 7388	22.9685 4927	20.8937 7319	64
65	28.4528 9152	25.5178 4916	23.0466 8199	20.9509 7913	65
66	28.5950 4031	25.6211 1030	23.1218 0961	21.0057 2165	66
67	28.7330 4884	25.7208 7951	23.1940 4770	21.0581 0684	67
68	28.8670 3771	25.8172 7489	23.2635 0740	21.1082 3621	68
69	28.9971 2399	25.9104 1052	23.3302 9558	21.1562 0690	69
70	29.1234 2135	26.0003 9664	23.3945 1498	21.2021 1187	70
71	29.2460 4015	26.0873 3975	23.4562 6440	21.2460 4007	71
72	29.3650 8752	26.1713 4275	23.5156 3885	21.2880 7662	72
73	29.4806 6750	26.2525 0508	23.5727 2966	21.3283 0298	73
74	29.5928 8106	26.3309 2278	23.6276 2468	21.3667 9711	74
75	29.7018 2628	26.4066 8868	23.6804 0834	21.4036 3360	75
76	29.8075 9833	26.4798 9244	23.7311 6187	21.4388 8383	76
77	29.9102 8964	26.5506 2072	23.7799 6333	21.4726 1611	77
78	30.0099 8994	26.6189 5721	23.8268 8782	21.5048 9579	78
79	30.1067 8635	26.6849 8281	23.8720 0752	21.5357 8545	79
80	30.2007 6345	26.7487 7567	23.9153 9185	21.5653 4493	80
81	30.2920 0335	26.8104 1127	23.9571 0754	21.5936 3151	81
82	30.3805 8577	26.8699 6258	23.9972 1879	21.6207 0001	82
83	30.4665 8813	26.9275 0008	24.0357 8730	21.6466 0288	83
84	30.5500 8556	26.9830 9186	24.0728 7240	21.6713 9032	84
85	30.6311 5103	27.0368 0373	24.1085 3116	21.6951 1035	85
86	30.7098 5537	27.0886 9926	24.1428 1842	21.7178 0895	86
87	30.7862 6735	27.1388 3986	24.1757 8694	21.7395 3009	87
88	30.8604 5374	27.1872 8489	24.2074 8745	21.7603 1588	88
89	30.9324 7936	27.2340 9168	24.2379 6870	21.7802 0658	89
90	31.0024 0714	27.2793 1564	24.2672 7759	21.7992 4075	90
91	31.0702 9820	27.3230 1028	24.2954 5923	21.8174 5526	91
92	31.1362 1184	27.3652 2732	24.3225 5695	21.8348 8542	92
93	31.2002 0567	27.4060 1673	24.3486 1245	21.8515 6499	93
94	31.2623 3560	27.4454 2680	24.3736 6582	21.8675 2631	94
95	31.3226 5592	27.4835 0415	24.3977 5559	21.8828 0030	95
96	31.3812 1934	27.5202 9387	24.4209 1884	21.8974 1655	96
97	31.4380 7703	27.5558 3948	24.4431 9119	21.9114 0340	97
98	31.4932 7867	27.5901 8308	24.4646 0692	21.9247 8794	98
99	31.5468 7250	27.6233 6529	24.4851 9896	21.9375 9612	99
100	31.5989 0534	27.6554 2540	24.5049 9900	21.9498 5274	100

Present Value of 1 per Annum at Compound Interest

TABLE IV. $a_{\overline{n}|} = (1 - v^n) \div i$

n	5%	$5\frac{1}{2}\%$	6%	7%	n
1	0.9523 8095	0.9478 6730	0.9433 9623	0.9345 7944	1
2	1.8594 1043	1.8463 1971	1.8333 9267	1.8080 1817	2
3	2.7232 4803	2.6979 3338	2.6730 1195	2.6243 1604	3
4	3.5459 5050	3.5051 5012	3.4651 0561	3.3872 1126	4
5	4.3294 7667	4.2702 8448	4.2123 6379	4.1001 9744	5
6	5.0756 9206	4.9955 3031	4.9173 2433	4.7665 3966	6
7	5.7863 7340	5.6829 6712	5.5823 8144	5.3892 8940	7
8	6.4632 1276	6.3345 6599	6.2097 9381	5.9712 9851	8
9	7.1078 2168	6.9521 9525	6.8016 9227	6.5152 3225	9
10	7.7217 3493	7.5376 2583	7.3600 8705	7.0235 8155	10
11	8.3064 1422	8.0925 3633	7.8868 7458	7.4986 7435	11
12	8.8632 5164	8.6185 1785	8.3838 4394	7.9426 8631	12
13	9.3935 7299	9.1170 7853	8.8526 8296	8.3576 5075	13
14	9.8986 4094	9.5896 4790	9.2949 8393	8.7454 6800	14
15	10.3796 5804	10.0375 8094	9.7122 4899	9.1079 1402	15
16	10.8377 6956	10.4621 6203	10.1058 9527	9.4466 4861	16
17	11.2740 6625	10.8646 0856	10.4772 5969	9.7632 2300	17
18	11.6895 8690	11.2460 7447	10.8276 0348	10.0590 8692	18
19	12.0853 2086	11.6076 5352	11.1581 1649	10.3355 9525	19
20	12.4622 1034	11.9503 8249	11.4699 2122	10.5940 1426	20
21	12.8211 5271	12.2752 4406	11.7640 7662	10.8355 2734	21
22	13.1630 0258	12.5831 6973	12.0415 8172	11.0612 4051	22
23	13.4885 7388	12.8750 4240	12.3033 7898	11.2721 8739	23
24	13.7986 4179	13.1516 9895	12.5503 5753	11.4693 3401	24
25	14.0939 4457	13.4139 3266	12.7833 5616	11.6535 8319	25
26	14.3751 8530	13.6624 9541	13.0031 6619	11.8257 7868	26
27	14.6430 3362	13.8980 9991	13.2105 3414	11.9867 0905	27
28	14.8981 2726	14.1214 2172	13.4061 6428	12.1371 1126	28
29	15.1410 7358	14.3331 0116	13.5907 2102	12.2776 7408	29
30	15.3724 5103	14.5337 4517	13.7648 3115	12.4090 4119	30
31	15.5928 1050	14.7239 2907	13.9290 8599	12.5318 1420	31
32	15.8026 7667	14.9041 9817	14.0840 4339	12.6465 5533	32
33	16.0025 4921	15.0750 6936	14.2302 2961	12.7537 9003	33
34	16.1929 0401	15.2370 3257	14.3681 4114	12.8540 0937	34
35	16.3741 9429	15.3905 5220	14.4982 4636	12.9476 7231	35
36	16.5468 5171	15.5360 6843	14.6209 8713	13.0352 0777	36
37	16.7112 8734	15.6739 9851	14.7367 8031	13.1170 1661	37
38	16.8678 9271	15.8047 3793	14.8460 1916	13.1934 7346	38
39	17.0170 4067	15.9286 6154	14.9490 7468	13.2649 2847	39
40	17.1590 8635	16.0461 2469	15.0462 9687	13.3317 0885	40
41	17.2943 6796	16.1574 6416	15.1380 1592	13.3941 2042	41
42	17.4232 0758	16.2629 9920	15.2245 4332	13.4524 4900	42
43	17.5459 1198	16.3630 3242	15.3061 7294	13.5069 6168	43
44	17.6627 7331	16.4578 5063	15.3831 8202	13.5579 0811	44
45	17.7740 6982	16.5477 2572	15.4558 3209	13.6055 2160	45
46	17.8800 6650	16.6329 1537	15.5243 6990	13.6500 2019	46
47	17.9810 1571	16.7136 6386	15.5890 2821	13.6916 0765	47
48	18.0771 5782	16.7902 0271	15.6500 2661	13.7304 7444	48
49	18.1687 2173	16.8627 5139	15.7075 7227	13.7767 9855	49
50	18.2559 2546	16.9315 1790	15.7618 6064	13.8007 4630	50

TABLE IV. $a_{\overline{n}|} = (1 - v^n)/i$

n	5%	5½%	6%	7%	n
51	18.3389 7663	16.9966 9943	15.8130 7607	13.8324 7318	51
52	18.4180 7298	17.0584 8287	15.8613 9252	13.8621 2446	52
53	18.4934 0284	17.1170 4538	15.9069 7408	13.8898 3594	53
54	18.5651 4556	17.1725 5486	15.9499 7554	13.9157 3452	54
55	18.6334 7196	17.2251 7048	15.9905 4297	13.9399 3881	55
56	18.6985 4473	17.2750 4311	16.0288 1412	13.9625 5964	56
57	18.7605 1879	17.3223 1575	16.0649 1898	13.9837 0059	57
58	18.8195 4170	17.3671 2393	16.0989 8017	14.0034 5850	58
59	18.8757 5400	17.4095 9614	16.1311 1337	14.0219 2383	59
60	18.9292 8952	17.4498 5416	16.1614 2771	14.0391 8115	60
61	18.9802 7574	17.4880 1343	16.1900 2614	14.0553 0949	61
62	19.0288 3404	17.5241 8334	16.2170 0579	14.0703 8270	62
63	19.0750 8003	17.5584 6762	16.2424 5829	14.0844 6981	63
64	19.1191 2384	17.5909 6457	16.2664 7009	14.0976 3534	64
65	19.1610 7033	17.6217 6737	16.2891 2272	14.1099 3957	65
66	19.2010 1936	17.6509 6433	16.3104 9314	14.1214 3885	66
67	19.2390 6606	17.6786 3917	16.3306 5390	14.1321 8584	67
68	19.2753 0101	17.7048 7125	16.3496 7349	14.1422 2976	68
69	19.3098 1048	17.7297 3579	16.3676 1650	14.1516 1660	69
70	19.3426 7665	17.7533 0406	16.3845 4387	14.1603 8934	70
71	19.3739 7776	17.7756 4366	16.4005 1308	14.1685 8817	71
72	19.4037 8834	17.7968 1864	16.4155 7838	14.1762 5063	72
73	19.4321 7937	17.8168 8970	16.4297 9093	14.1834 1180	73
74	19.4592 1845	17.8359 1441	16.4431 9899	14.1901 0449	74
75	19.4849 6995	17.8539 4731	16.4558 4810	14.1963 5933	75
76	19.5094 9519	17.8710 4010	16.4677 8123	14.2022 0498	76
77	19.5328 5257	17.8872 4180	16.4790 3889	14.2076 6821	77
78	19.5550 9768	17.9025 9887	16.4896 5933	14.2127 7403	78
79	19.5762 8351	17.9171 5532	16.4996 7862	14.2175 4582	79
80	19.5964 6048	17.9309 5291	16.5091 3077	14.2220 0544	80
81	19.6156 7665	17.9440 3120	16.5180 4790	14.2261 7331	81
82	19.6339 7776	17.9564 2768	16.5264 6028	14.2300 6851	82
83	19.6514 0739	17.9681 7789	16.5343 9649	14.2337 0889	83
84	19.6680 0704	17.9793 1554	16.5418 8348	14.2371 1111	84
85	19.6838 1623	17.9898 7255	16.5489 4668	14.2402 9076	85
86	19.6988 7260	17.9998 7919	16.5556 1008	14.2432 6239	86
87	19.7132 1200	18.0093 6416	16.5618 9630	14.2460 3962	87
88	19.7268 6857	18.0183 5466	16.5678 2670	14.2486 3516	88
89	19.7398 7483	18.0268 7645	16.5734 2141	14.2510 6089	89
90	19.7522 6174	18.0349 5398	16.5786 9944	14.2533 2794	90
91	19.7640 5880	18.0426 1041	16.5836 7872	14.2554 4667	91
92	19.7752 9410	18.0498 6769	16.5883 7615	14.2574 2680	92
93	19.7859 9438	18.0567 4662	16.5928 0769	14.2592 7738	93
94	19.7961 8512	18.0632 6694	16.5969 8839	14.2610 0690	94
95	19.8058 9059	18.0694 4734	16.6009 3244	14.2626 2327	95
96	19.8151 3390	18.0753 0553	16.6046 5325	14.2641 3390	96
97	19.8239 3705	18.0808 5833	16.6081 6344	14.2655 4570	97
98	19.8323 2100	18.0861 2164	16.6114 7494	14.2668 6514	98
99	19.8403 0571	18.0911 1055	16.6145 9900	14.2680 9826	99
100	19.8479 1020	18.0958 3939	16.6175 4623	14.2692 5071	100

Annuity Whose Present Value at Compound Interest Is 1

TABLE V. $a_{\overline{n}|}^{-1} = i/(1-v^n)$

n	1%	1¼%	1½%	1¾%	n
1	1.0100 0000	1.0125 0000	1.0150 0000	1.0175 0000	1
2	0.5075 1244	0.5093 9441	0.5112 7792	0.5131 6295	2
3	0.3400 2211	0.3417 0117	0.3433 8296	0.3450 6746	3
4	0.2562 8109	0.2578 6102	0.2594 4478	0.2610 3237	4
5	0.2060 3980	0.2075 6211	0.2090 8932	0.2106 2142	5
6	0.1725 4837	0.1740 3381	0.1755 2521	0.1770 2256	6
7	0.1486 2828	0.1500 8872	0.1515 5616	0.1530 3059	7
8	0.1306 9029	0.1321 3314	0.1335 8402	0.1350 4292	8
9	0.1167 4036	0.1181 7055	0.1196 0982	0.1210 5813	9
10	0.1055 8208	0.1070 0307	0.1084 3418	0.1098 7534	10
11	0.0964 5408	0.0978 6839	0.0992 9384	0.1007 3038	11
12	0.0888 4879	0.0902 5831	0.0916 7999	0.0931 1377	12
13	0.0824 1482	0.0838 2100	0.0852 4036	0.0866 7283	13
14	0.0769 0117	0.0783 0515	0.0797 2332	0.0811 5562	14
15	0.0721 2378	0.0735 2646	0.0749 4436	0.0763 7739	15
16	0.0679 4460	0.0693 4672	0.0707 6508	0.0721 9958	16
17	0.0642 5806	0.0656 6023	0.0670 7966	0.0685 1623	17
18	0.0609 8205	0.0623 8479	0.0638 0578	0.0652 4492	18
19	0.0580 5175	0.0594 5548	0.0608 7847	0.0623 2061	19
20	0.0554 1531	0.0568 2039	0.0582 4574	0.0596 9122	20
21	0.0530 3075	0.0544 3748	0.0558 6550	0.0573 1464	21
22	0.0508 6372	0.0522 7238	0.0537 0331	0.0551 5638	22
23	0.0488 8584	0.0502 9666	0.0517 3075	0.0531 8796	23
24	0.0470 7347	0.0484 8665	0.0499 2410	0.0513 8565	24
25	0.0454 0675	0.0468 2247	0.0482 6345	0.0497 2952	25
26	0.0438 6888	0.0452 8729	0.0467 3196	0.0482 0269	26
27	0.0424 4553	0.0438 6677	0.0453 1527	0.0467 9079	27
28	0.0411 2444	0.0425 4863	0.0440 0108	0.0454 8151	28
29	0.0398 9502	0.0413 2228	0.0427 7878	0.0442 6424	29
30	0.0387 4811	0.0401 7854	0.0416 3919	0.0431 2975	30
31	0.0376 7573	0.0391 0942	0.0405 7430	0.0420 7005	31
32	0.0366 7089	0.0381 0791	0.0395 7710	0.0410 7812	32
33	0.0357 2744	0.0371 6786	0.0386 4144	0.0401 4779	33
34	0.0348 3997	0.0362 8387	0.0377 6189	0.0392 7363	34
35	0.0340 0368	0.0354 5111	0.0369 3363	0.0384 5082	35
36	0.0332 1431	0.0346 6533	0.0361 5240	0.0376 7507	36
37	0.0324 6805	0.0339 2270	0.0354 1437	0.0369 4257	37
38	0.0317 6150	0.0332 1983	0.0347 1613	0.0362 4990	38
39	0.0310 9160	0.0325 5365	0.0340 5463	0.0355 9399	39
40	0.0304 5560	0.0319 2141	0.0334 2710	0.0349 7209	40
41	0.0298 5102	0.0313 2063	0.0328 3106	0.0343 8170	41
42	0.0292 7563	0.0307 4906	0.0322 6426	0.0338 2057	42
43	0.0287 2737	0.0302 0466	0.0317 2465	0.0332 8666	43
44	0.0282 0441	0.0296 8557	0.0312 1038	0.0327 7810	44
45	0.0277 0505	0.0291 9012	0.0307 1976	0.0322 9321	45
46	0.0272 2775	0.0287 1675	0.0302 5125	0.0318 3043	46
47	0.0267 7111	0.0282 6406	0.0298 0342	0.0313 8836	47
48	0.0263 3384	0.0278 3075	0.0293 7500	0.0309 6569	48
49	0.0259 1474	0.0274 1563	0.0289 6478	0.0305 6124	49
50	0.0255 1273	0.0270 1763	0.0285 7168	0.0301 7391	50

TABLE V. $a_{\overline{n}|}^{-1} = i/(1-v^n)$

n	1^{C}_{C}	$1\frac{1}{4}^{C}_{C}$	$1\frac{1}{2}^{C}_{C}$	$1\frac{3}{4}^{C}_{C}$	n
51	0.0251 2680	0.0266 3571	0.0281 9469	0.0298 0269	51
52	0.0247 5603	0.0262 6897	0.0278 3287	0.0294 4665	52
53	0.0243 9956	0.0259 1653	0.0274 8537	0.0291 0492	53
54	0.0240 5658	0.0255 7760	0.0271 5138	0.0287 7672	54
55	0.0237 2637	0.0252 5145	0.0268 3018	0.0284 6129	55
56	0.0234 0824	0.0249 3739	0.0265 2106	0.0281 5795	56
57	0.0231 0156	0.0246 3478	0.0262 2341	0.0278 6606	57
58	0.0228 0573	0.0243 4303	0.0259 3661	0.0275 8503	58
59	0.0225 2020	0.0240 6158	0.0256 6012	0.0273 1430	59
60	0.0222 4445	0.0237 8993	0.0253 9343	0.0270 5336	60
61	0.0219 7800	0.0235 2758	0.0251 3604	0.0268 0172	61
62	0.0217 2041	0.0232 7410	0.0248 8751	0.0265 5892	62
63	0.0214 7125	0.0230 2904	0.0246 4741	0.0263 2455	63
64	0.0212 3013	0.0227 9203	0.0244 1534	0.0260 9821	64
65	0.0209 9667	0.0225 6268	0.0241 9094	0.0258 7952	65
66	0.0207 7052	0.0223 4065	0.0239 7386	0.0256 6813	66
67	0.0205 5136	0.0221 2560	0.0237 6376	0.0254 6372	67
68	0.0203 3889	0.0219 1724	0.0235 6033	0.0252 6596	68
69	0.0201 3280	0.0217 1527	0.0233 6329	0.0250 7459	69
70	0.0199 3282	0.0215 1941	0.0231 7235	0.0248 8930	70
71	0.0197 3870	0.0213 2941	0.0229 8727	0.0247 0985	71
72	0.0195 5019	0.0211 4501	0.0228 0779	0.0245 3600	72
73	0.0193 6706	0.0209 6600	0.0226 3368	0.0243 6750	73
74	0.0191 8910	0.0207 9215	0.0224 6473	0.0242 0413	74
75	0.0190 1609	0.0206 2325	0.0223 0072	0.0240 4570	75
76	0.0188 4784	0.0204 5910	0.0221 4146	0.0238 9200	76
77	0.0186 8416	0.0202 9953	0.0219 8676	0.0237 4284	77
78	0.0185 2488	0.0201 4435	0.0218 3645	0.0235 9806	78
79	0.0183 6983	0.0199 9341	0.0216 9036	0.0234 5748	79
80	0.0182 1885	0.0198 4652	0.0215 4832	0.0233 2093	80
81	0.0180 7179	0.0197 0356	0.0214 1019	0.0231 8828	81
82	0.0179 2851	0.0195 6437	0.0212 7583	0.0230 5936	82
83	0.0177 8887	0.0194 2881	0.0211 4509	0.0229 3406	83
84	0.0176 5273	0.0192 9675	0.0210 1784	0.0228 1223	84
85	0.0175 1998	0.0191 6808	0.0208 9396	0.0226 9375	85
86	0.0173 9050	0.0190 4267	0.0207 7333	0.0225 7850	86
87	0.0172 6417	0.0189 2041	0.0206 5584	0.0224 6636	87
88	0.0171 4089	0.0188 0119	0.0205 4138	0.0223 5724	88
89	0.0170 2056	0.0186 8490	0.0204 2984	0.0222 5102	89
90	0.0169 0306	0.0185 7146	0.0203 2113	0.0221 4760	90
91	0.0167 8832	0.0184 6076	0.0202 1516	0.0220 4690	91
92	0.0166 7624	0.0183 5271	0.0201 1182	0.0219 4882	92
93	0.0165 6673	0.0182 4724	0.0200 1104	0.0218 5327	93
94	0.0164 5971	0.0181 4425	0.0199 1273	0.0217 6017	94
95	0.0163 5511	0.0180 4366	0.0198 1681	0.0216 6944	95
96	0.0162 5284	0.0179 4540	0.0197 2321	0.0215 8101	96
97	0.0161 5284	0.0178 4941	0.0196 3186	0.0214 9480	97
98	0.0160 5503	0.0177 5560	0.0195 4268	0.0214 1074	98
99	0.0159 5936	0.0176 6391	0.0194 5560	0.0213 2876	99
100	0.0158 6574	0.0175 7428	0.0193 7057	0.0212 4880	100

TABLE V. $a_{\overline{n}|}^{-1} = i/(1-v^n)$

n	2%	$2\frac{1}{4}\%$	$2\frac{1}{2}\%$	$2\frac{3}{4}\%$	n
1	1.0200 0000	1.0225 0000	1.0250 0000	1.0275 0000	1
2	0.5150 4950	0.5169 3758	0.5188 2716	0.5207 1825	2
3	0.3467 5467	0.3484 4458	0.3501 3717	0.3518 3243	3
4	0.2626 2375	0.2642 1893	0.2658 1788	0.2674 2059	4
5	0.2121 5839	0.2137 0022	0.2152 4686	0.2167 9832	5
6	0.1785 2581	0.1800 3496	0.1815 4997	0.1830 7083	6
7	0.1545 1196	0.1560 0025	0.1574 9543	0.1589 9747	7
8	0.1365 0980	0.1379 8462	0.1394 6735	0.1409 5795	8
9	0.1225 1544	0.1239 8170	0.1254 5689	0.1269 4095	9
10	0.1113 2653	0.1127 8768	0.1142 5876	0.1157 3972	10
11	0.1021 7794	0.1036 3649	0.1051 0596	0.1065 8629	11
12	0.0945 5960	0.0960 1740	0.0974 8713	0.0989 6871	12
13	0.0881 1835	0.0895 7686	0.0910 4827	0.0925 3252	13
14	0.0826 0197	0.0840 6230	0.0855 3653	0.0870 2457	14
15	0.0778 2547	0.0792 8852	0.0807 6646	0.0822 5917	15
16	0.0736 5013	0.0751 1663	0.0765 9899	0.0780 9710	16
17	0.0699 6984	0.0714 4039	0.0729 2777	0.0744 3186	17
18	0.0667 0210	0.0681 7720	0.0696 7008	0.0711 8063	18
19	0.0637 8177	0.0652 6182	0.0667 6062	0.0682 7802	19
20	0.0611 5672	0.0626 4207	0.0641 4713	0.0656 7173	20
21	0.0587 8477	0.0602 7572	0.0617 8733	0.0633 1941	21
22	0.0566 3140	0.0581 2821	0.0596 4661	0.0611 8640	22
23	0.0546 6810	0.0561 7097	0.0576 9638	0.0592 4410	23
24	0.0528 7110	0.0543 8023	0.0559 1282	0.0574 6863	24
25	0.0512 2044	0.0527 3599	0.0542 7592	0.0558 3997	25
26	0.0496 9923	0.0512 2134	0.0527 6875	0.0543 4116	26
27	0.0482 9309	0.0498 2188	0.0513 7687	0.0529 5776	27
28	0.0469 8967	0.0485 2525	0.0500 8793	0.0516 7738	28
29	0.0457 7836	0.0473 2081	0.0488 9127	0.0504 8935	29
30	0.0446 4992	0.0461 9934	0.0477 7764	0.0493 8442	30
31	0.0435 9635	0.0451 5280	0.0467 3900	0.0483 5453	31
32	0.0426 1061	0.0441 7415	0.0457 6831	0.0473 9263	32
33	0.0416 8653	0.0432 5722	0.0448 5938	0.0464 9253	33
34	0.0408 1867	0.0423 9655	0.0440 0675	0.0456 4875	34
35	0.0400 0221	0.0415 8731	0.0432 0558	0.0448 5645	35
36	0.0392 3285	0.0408 2522	0.0424 5158	0.0441 1132	36
37	0.0385 0678	0.0401 0643	0.0417 4090	0.0434 0953	37
38	0.0378 2057	0.0394 2753	0.0410 7012	0.0427 4764	38
39	0.0371 7114	0.0387 8543	0.0404 3615	0.0421 2256	39
40	0.0365 5575	0.0381 7738	0.0398 3623	0.0415 3151	40
41	0.0359 7188	0.0376 0087	0.0392 6786	0.0409 7200	41
42	0.0354 1729	0.0370 5364	0.0387 2876	0.0404 4175	42
43	0.0348 8993	0.0365 3364	0.0382 1688	0.0399 3871	43
44	0.0343 8794	0.0360 3901	0.0377 3037	0.0394 6100	44
45	0.0339 0962	0.0355 6805	0.0372 6752	0.0390 0693	45
46	0.0334 5342	0.0351 1921	0.0368 2676	0.0385 7493	46
47	0.0330 1792	0.0346 9107	0.0364 0669	0.0381 6358	47
48	0.0326 0184	0.0342 8233	0.0360 0599	0.0377 7158	48
49	0.0322 0396	0.0338 9179	0.0356 2348	0.0373 9773	49
50	0.0318 2321	0.0335 1836	0.0352 5806	0.0370 4092	50

Annuity Whose Present Value at Compound Interest Is 1

TABLE V. $a_{\overline{n}|}^{-1} = i\,/(1-v^n)$

n	2%	$2\frac{1}{4}\%$	$2\frac{1}{2}\%$	$2\frac{3}{4}\%$	n
51	0.0314 5856	0.0331 6102	0.0349 0870	0.0367 0014	51
52	0.0311 0909	0.0328 1884	0.0345 7446	0.0363 7444	52
53	0.0307 7392	0.0324 9094	0.0342 5449	0.0360 6297	53
54	0.0304 5226	0.0321 7654	0.0339 4799	0.0357 6491	54
55	0.0301 4337	0.0318 7489	0.0336 5419	0.0354 7953	55
56	0.0298 4656	0.0315 8530	0.0333 7243	0.0352 0612	56
57	0.0295 6120	0.0313 0712	0.0331 0204	0.0349 4404	57
58	0.0292 8667	0.0310 3977	0.0328 4244	0.0346 9270	58
59	0.0290 2243	0.0307 8268	0.0325 9307	0.0344 5153	59
60	0.0287 6797	0.0305 3533	0.0323 5340	0.0342 2002	60
61	0.0285 2278	0.0302 9724	0.0321 2294	0.0339 9767	61
62	0.0282 8643	0.0300 6795	0.0319 0126	0.0337 8402	62
63	0.0280 5848	0.0298 4704	0.0316 8790	0.0335 7866	63
64	0.0278 3855	0.0296 3411	0.0314 8249	0.0333 8118	64
65	0.0276 2624	0.0294 2878	0.0312 8463	0.0331 9120	65
66	0.0274 2122	0.0292 3070	0.0310 9398	0.0330 0837	66
67	0.0272 2316	0.0290 3955	0.0309 1021	0.0328 3236	67
68	0.0270 3173	0.0288 5500	0.0307 3300	0.0326 6285	68
69	0.0268 4665	0.0286 7677	0.0305 6206	0.0324 9955	69
70	0.0266 6765	0.0285 0458	0.0303 9712	0.0323 4218	70
71	0.0264 9446	0.0283 3816	0.0302 3790	0.0321 9048	71
72	0.0263 2683	0.0281 7728	0.0300 8417	0.0320 4420	72
73	0.0261 6454	0.0280 2169	0.0299 3568	0.0319 0311	73
74	0.0260 0736	0.0278 7118	0.0297 9222	0.0317 6698	74
75	0.0258 5508	0.0277 2554	0.0296 5358	0.0316 3560	75
76	0.0257 0751	0.0275 8457	0.0295 1956	0.0315 0878	76
77	0.0255 6447	0.0274 4808	0.0293 8997	0.0313 8633	77
78	0.0254 2576	0.0273 1589	0.0292 6463	0.0312 6806	78
79	0.0252 9123	0.0271 8784	0.0291 4338	0.0311 5382	79
80	0.0251 6071	0.0270 6376	0.0290 2605	0.0310 4342	80
81	0.0250 3405	0.0269 4350	0.0289 1248	0.0309 3674	81
82	0.0249 1110	0.0268 2692	0.0288 0254	0.0308 3361	82
83	0.0247 9173	0.0267 1387	0.0286 9608	0.0307 3389	83
84	0.0246 7581	0.0266 0423	0.0285 9298	0.0306 3747	84
85	0.0245 6321	0.0264 9787	0.0284 9310	0.0305 4420	85
86	0.0244 5381	0.0263 9467	0.0283 9633	0.0304 5397	86
87	0.0243 4750	0.0262 9452	0.0283 0255	0.0303 6667	87
88	0.0242 4416	0.0261 9730	0.0282 1165	0.0302 8219	88
89	0.0241 4370	0.0261 0291	0.0281 2353	0.0302 0041	89
90	0.0240 4602	0.0260 1126	0.0280 3809	0.0301 2125	90
91	0.0239 5101	0.0259 2224	0.0279 5523	0.0300 4460	91
92	0.0238 5859	0.0258 3577	0.0278 7486	0.0299 7038	92
93	0.0237 6868	0.0257 5176	0.0277 9690	0.0298 9850	93
94	0.0236 8118	0.0256 7012	0.0277 2126	0.0298 2887	94
95	0.0235 9602	0.0255 9078	0.0276 4786	0.0297 6141	95
96	0.0235 1313	0.0255 1366	0.0275 7662	0.0296 9605	96
97	0.0234 3242	0.0254 3868	0.0275 0747	0.0296 3272	97
98	0.0233 5383	0.0253 6578	0.0274 4034	0.0295 7134	98
99	0.0232 7729	0.0252 9489	0.0273 7517	0.0295 1185	99
100	0.0232 0274	0.0252 2594	0.0273 1188	0.0294 5418	100

Annuity Whose Present Value at Compound Interest Is 1

TABLE V. $a_{\overline{n}|}^{-1} = i/(1-v^n)$

n	3%	3½%	4%	4½%	n
1	1.0300 0000	1.0350 0000	1.0400 0000	1.0450 0000	1
2	0.5226 1084	0.5264 0049	0.5301 9608	0.5339 9756	2
3	0.3535 3036	0.3569 3418	0.3603 4854	0.3637 7336	3
4	0.2690 2705	0.2722 5114	0.2754 9005	0.2787 4365	4
5	0.2183 5457	0.2214 8137	0.2246 2711	0.2277 9164	5
6	0.1845 9750	0.1876 6821	0.1907 6190	0.1938 7839	6
7	0.1605 0635	0.1635 4449	0.1666 0961	0.1697 0147	7
8	0.1424 5639	0.1454 7665	0.1485 2783	0.1516 0965	8
9	0.1284 3386	0.1314 4601	0.1344 9299	0.1375 7447	9
10	0.1172 3051	0.1202 4137	0.1232 9094	0.1263 7882	10
11	0.1080 7745	0.1110 9197	0.1141 4904	0.1172 4818	11
12	0.1004 6209	0.1034 8395	0.1065 5217	0.1096 6619	12
13	0.0940 2954	0.0970 6157	0.1001 4373	0.1032 7535	13
14	0.0885 2634	0.0915 7073	0.0946 6897	0.0978 2032	14
15	0.0837 6658	0.0868 2507	0.0899 4110	0.0931 1381	15
16	0.0796 1085	0.0826 8483	0.0858 2000	0.0890 1537	16
17	0.0759 5253	0.0790 4313	0.0821 9852	0.0854 1758	17
18	0.0727 0870	0.0758 1684	0.0789 9333	0.0822 3690	18
19	0.0698 1388	0.0729 4033	0.0761 3862	0.0794 0734	19
20	0.0672 1571	0.0703 6108	0.0735 8175	0.0768 7614	20
21	0.0648 7178	0.0680 3659	0.0712 8011	0.0746 0057	21
22	0.0627 4739	0.0659 3207	0.0691 9881	0.0725 4565	22
23	0.0608 1390	0.0640 1880	0.0673 0906	0.0706 8249	23
24	0.0590 4742	0.0622 7283	0.0655 8683	0.0689 8703	24
25	0.0574 2787	0.0606 7404	0.0640 1196	0.0674 3903	25
26	0.0559 3829	0.0592 0540	0.0625 6738	0.0660 2137	26
27	0.0545 6421	0.0578 5241	0.0612 3854	0.0647 1946	27
28	0.0532 9323	0.0566 0265	0.0600 1298	0.0635 2081	28
29	0.0521 1467	0.0554 4538	0.0588 7993	0.0624 1461	29
30	0.0510 1926	0.0543 7133	0.0578 3010	0.0613 9154	30
31	0.0499 9893	0.0533 7240	0.0568 5535	0.0604 4345	31
32	0.0490 4662	0.0524 4150	0.0559 4859	0.0595 6320	32
33	0.0481 5612	0.0515 7242	0.0551 0357	0.0587 4453	33
34	0.0473 2196	0.0507 5966	0.0543 1477	0.0579 8191	34
35	0.0465 3929	0.0499 9835	0.0535 7732	0.0572 7045	35
36	0.0458 0379	0.0492 8416	0.0528 8688	0.0566 0578	36
37	0.0451 1162	0.0486 1325	0.0522 3957	0.0559 8402	37
38	0.0444 5934	0.0479 8214	0.0516 3192	0.0554 0169	38
39	0.0438 4385	0.0473 8775	0.0510 6083	0.0548 5567	39
40	0.0432 6238	0.0468 2728	0.0505 2349	0.0543 4315	40
41	0.0427 1241	0.0462 9822	0.0500 1738	0.0538 6158	41
42	0.0421 9167	0.0457 9828	0.0495 4020	0.0534 0868	42
43	0.0416 9811	0.0453 2539	0.0490 8989	0.0529 8235	43
44	0.0412 2985	0.0448 7768	0.0486 6454	0.0525 8071	44
45	0.0407 8518	0.0444 5343	0.0482 6246	0.0522 0202	45
46	0.0403 6254	0.0440 5108	0.0478 8205	0.0518 4471	46
47	0.0399 6051	0.0436 6919	0.0475 2189	0.0515 0734	47
48	0.0395 7777	0.0433 0646	0.0471 8065	0.0511 8858	48
49	0.0392 1314	0.0429 6167	0.0468 5712	0.0508 8722	49
50	0.0388 6550	0.0462 3371	0.0465 5020	0.0506 0215	50

TABLE V. $a_{\overline{n}|}^{-1} = i/(1-v^n)$

n	3%	$3\frac{1}{2}\%$	4%	$4\frac{1}{2}\%$	n
51	0.0385 3382	0.0423 2156	0.0462 5885	0.0503 3232	51
52	0.0382 1718	0.0420 2429	0.0459 8212	0.0500 7679	52
53	0.0379 1471	0.0417 4100	0.0457 1915	0.0498 3469	53
54	0.0376 2558	0.0414 7090	0.0454 6910	0.0496 0519	54
55	0.0373 4907	0.0412 1323	0.0452 3124	0.0493 8754	55
56	0.0370 8447	0.0409 6730	0.0450 0487	0.0491 8105	56
57	0.0368 3114	0.0407 3245	0.0447 8932	0.0489 8506	57
58	0.0365 8848	0.0405 0810	0.0445 8401	0.0487 9897	58
59	0.0363 5593	0.0402 9366	0.0443 8836	0.0486 2221	59
60	0.0361 3296	0.0400 8862	0.0442 0185	0.0484 5426	60
61	0.0359 1908	0.0398 9249	0.0440 2398	0.0482 9462	61
62	0.0357 1385	0.0397 0480	0.0438 5430	0.0481 4284	62
63	0.0355 1682	0.0395 2513	0.0436 9237	0.0479 9848	63
64	0.0353 2760	0.0393 5308	0.0435 3780	0.0478 6115	64
65	0.0351 4581	0.0391 8826	0.0433 9019	0.0477 3047	65
66	0.0349 7110	0.0390 3031	0.0432 4921	0.0476 0608	66
67	0.0348 0313	0.0388 7892	0.0431 1451	0.0474 8765	67
68	0.0346 4159	0.0387 3375	0.0429 8578	0.0473 7487	68
69	0.0344 8618	0.0385 9453	0.0428 6272	0.0472 6745	69
70	0.0343 3663	0.0384 6095	0.0427 4506	0.0471 6511	70
71	0.0341 9266	0.0383 3277	0.0426 3253	0.0470 6759	71
72	0.0340 5404	0.0382 0973	0.0425 2489	0.0469 7465	72
73	0.0339 2053	0.0380 9160	0.0424 2190	0.0468 8606	73
74	0.0337 9191	0.0379 7816	0.0423 2334	0.0468 0159	74
75	0.0336 6796	0.0378 6919	0.0422 2900	0.0467 2104	75
76	0.0335 4849	0.0377 6450	0.0421 3869	0.0466 4422	76
77	0.0334 3331	0.0376 6390	0.0420 5221	0.0465 7094	77
78	0.0333 2224	0.0375 6721	0.0419 6939	0.0465 0104	78
79	0.0332 1510	0.0374 7426	0.0418 9007	0.0464 3434	79
80	0.0331 1175	0.0373 8489	0.0418 1408	0.0463 7069	80
81	0.0330 1201	0.0372 9894	0.0417 4127	0.0463 0995	81
82	0.0329 1576	0.0372 1628	0.0416 7150	0.0462 5197	82
83	0.0328 2284	0.0371 3676	0.0416 0463	0.0461 9663	83
84	0.0327 3313	0.0370 6025	0.0415 4054	0.0461 4379	84
85	0.0326 4650	0.0369 8662	0.0414 7909	0.0460 9334	85
86	0.0325 6284	0.0369 1576	0.0414 2018	0.0460 4516	86
87	0.0324 8202	0.0368 4756	0.0413 6370	0.0459 9915	87
88	0.0324 0393	0.0367 8190	0.0413 0953	0.0459 5522	88
89	0.0323 2848	0.0367 1868	0.0412 5758	0.0459 1325	89
90	0.0322 5556	0.0366 5781	0.0412 0775	0.0458 7316	90
91	0.0321 8508	0.0365 9919	0.0411 5995	0.0458 3486	91
92	0.0321 1694	0.0365 4273	0.0411 1410	0.0457 9827	92
93	0.0320 5107	0.0364 8834	0.0410 7010	0.0457 6331	93
94	0.0319 8737	0.0364 3594	0.0410 2789	0.0457 2991	94
95	0.0319 2577	0.0363 8546	0.0409 8738	0.0456 9799	95
96	0.0318 6619	0.0363 3682	0.0409 4850	0.0456 6749	96
97	0.0318 0856	0.0362 8995	0.0409 1119	0.0456 3834	97
98	0.0317 5281	0.0362 4478	0.0408 7538	0.0456 1048	98
99	0.0316 9886	0.0362 0124	0.0408 4100	0.0455 8385	99
100	0.0316 4667	0.0361 5927	0.0408 0800	0.0455 5839	100

Annuity Whose Present Value at Compound Interest Is 1

TABLE V. $a_{\overline{n}|}^{-1} = i/(1-v^n)$

n	5%	5½%	6%	7%	n
1	1.0500 0000	1.0550 0000	1.0600 0000	1.0700 0000	1
2	0.5378 0488	0.5416 1800	0.5454 3689	0.5530 9179	2
3	0.3672 0856	0.3706 5407	0.3741 0981	0.3810 5166	3
4	0.2820 1183	0.2852 9449	0.2885 9149	0.2952 2812	4
5	0.2309 7480	0.2341 7644	0.2373 9640	0.2438 9069	5
6	0.1970 1747	0.2001 7895	0.2033 6263	0.2097 9580	6
7	0.1728 1982	0.1759 6442	0.1791 3502	0.1855 5322	7
8	0.1547 2181	0.1578 6401	0.1610 3594	0.1674 6776	8
9	0.1406 9008	0.1438 3946	0.1470 2224	0.1534 8647	9
10	0.1295 0458	0.1326 6777	0.1358 6796	0.1423 7750	10
11	0.1203 8889	0.1235 7065	0.1267 9294	0.1333 5690	11
12	0.1128 2541	0.1160 2923	0.1192 7703	0.1259 0199	12
13	0.1064 5577	0.1096 8426	0.1129 6011	0.1196 5085	13
14	0.1010 2397	0.1042 7912	0.1075 8491	0.1143 4494	14
15	0.0963 4229	0.0996 2560	0.1029 6276	0.1097 9462	15
16	0.0922 6991	0.0955 8254	0.0989 5214	0.1058 5765	16
17	0.0886 9914	0.0920 4198	0.0954 4480	0.1024 2519	17
18	0.0855 4622	0.0889 1992	0.0923 5654	0.0994 1260	18
19	0.0827 4501	0.0861 5005	0.0896 2086	0.0967 5301	19
20	0.0802 4259	0.0836 7933	0.0871 8456	0.0943 9293	20
21	0.0779 9611	0.0814 6478	0.0850 0455	0.0922 8900	21
22	0.0759 7051	0.0794 7123	0.0830 4557	0.0904 0577	22
23	0.0741 3682	0.0776 6965	0.0812 7848	0.0887 1393	23
24	0.0724 7090	0.0760 3580	0.0796 7900	0.0871 8902	24
25	0.0709 5246	0.0745 4935	0.0782 2672	0.0858 1052	25
26	0.0695 6432	0.0731 9307	0.0769 0435	0.0845 6103	26
27	0.0682 9186	0.0719 5228	0.0756 9717	0.0834 2573	27
28	0.0671 2253	0.0708 1440	0.0745 9255	0.0823 9193	28
29	0.0660 4551	0.0697 6857	0.0735 7961	0.0814 4865	29
30	0.0650 5144	0.0688 0539	0.0726 4891	0.0805 8640	30
31	0.0641 3212	0.0679 1665	0.0717 9222	0.0797 9691	31
32	0.0632 8042	0.0670 9519	0.0710 0234	0.0790 7292	32
33	0.0624 9004	0.0663 3469	0.0702 7293	0.0784 0807	33
34	0.0617 5545	0.0656 2958	0.0695 9843	0.0777 9674	34
35	0.0610 7171	0.0649 7493	0.0689 7386	0.0772 3396	35
36	0.0604 3446	0.0643 6635	0.0683 9483	0.0767 1531	36
37	0.0598 3979	0.0637 9993	0.0678 5743	0.0762 3685	37
38	0.0592 8423	0.0632 7217	0.0673 5812	0.0757 9505	38
39	0.0587 6462	0.0627 7991	0.0668 9377	0.0753 8676	39
40	0.0582 7816	0.0623 2034	0.0664 6154	0.0750 0914	40
41	0.0578 2229	0.0618 9090	0.0660 5886	0.0746 5962	41
42	0.0573 9471	0.0614 8927	0.0656 8342	0.0743 3591	42
43	0.0569 9333	0.0611 1337	0.0653 3312	0.0740 3590	43
44	0.0566 1625	0.0607 6128	0.0650 0606	0.0737 5769	44
45	0.0562 6173	0.0604 3127	0.0647 0050	0.0734 9957	45
46	0.0559 2820	0.0601 2175	0.0644 1485	0.0732 5996	46
47	0.0556 1421	0.0598 3129	0.0641 4768	0.0730 3744	47
48	0.0553 1843	0.0595 5854	0.0638 9766	0.0728 3070	48
49	0.0550 3965	0.0593 0230	0.0636 6356	0.0726 3853	49
50	0.0547 7674	0.0590 6145	0.0634 4429	0.0724 5985	50

TABLE V. $a_{\overline{n}|}^{-1} = i\,(1-v^n)$

n	5%	$5\frac{1}{2}\%$	6%	7%	n
51	0.0545 2867	0.0588 3495	0.0632 3880	0.0722 9365	51
52	0.0542 9450	0.0586 2185	0.0630 4617	0.0721 3901	52
53	0.0540 7334	0.0584 2130	0.0628 6551	0.0719 9509	53
54	0.0538 6438	0.0582 3245	0.0626 9602	0.0718 6110	54
55	0.0536 6686	0.0580 5458	0.0625 3696	0.0717 3633	55
56	0.0534 8010	0.0578 8698	0.0623 8765	0.0716 2011	56
57	0.0533 0343	0.0577 2900	0.0622 4744	0.0715 1183	57
58	0.0531 3626	0.0575 8006	0.0621 1574	0.0714 1093	58
59	0.0529 7802	0.0574 3959	0.0619 9200	0.0713 1689	59
60	0.0528 2818	0.0573 0707	0.0618 7572	0.0712 2923	60
61	0.0526 8627	0.0571 8202	0.0617 6642	0.0711 4749	61
62	0.0525 5183	0.0570 6400	0.0616 6366	0.0710 7127	62
63	0.0524 2442	0.0569 5258	0.0615 6704	0.0710 0019	63
64	0.0523 0365	0.0568 4737	0.0614 7615	0.0709 3388	64
65	0.0521 8915	0.0567 4800	0.0613 9066	0.0708 7203	65
66	0.0520 8057	0.0566 5413	0.0613 1022	0.0708 1431	66
67	0.0519 7757	0.0565 6544	0.0612 3454	0.0707 6046	67
68	0.0518 7986	0.0564 8163	0.0611 6330	0.0707 1021	68
69	0.0517 8715	0.0564 0242	0.0610 9625	0.0706 6331	69
70	0.0516 9915	0.0563 2754	0.0610 3313	0.0706 1953	70
71	0.0516 1563	0.0562 5675	0.0609 7370	0.0705 7866	71
72	0.0515 3633	0.0561 8982	0.0609 1774	0.0705 4051	72
73	0.0514 6103	0.0561 2652	0.0608 6505	0.0705 0490	73
74	0.0513 8953	0.0560 6665	0.0608 1542	0.0704 7164	74
75	0.0513 2161	0.0560 1002	0.0607 6867	0.0704 4060	75
76	0.0512 5709	0.0559 5645	0.0607 2463	0.0704 1160	76
77	0.0511 9580	0.0559 0577	0.0606 8315	0.0703 8453	77
78	0.0511 3756	0.0558 5781	0.0606 4407	0.0703 5924	78
79	0.0510 8222	0.0558 1243	0.0606 0724	0.0703 3563	79
80	0.0510 2962	0.0557 6948	0.0605 7254	0.0703 1357	80
81	0.0509 7963	0.0557 2884	0.0605 3984	0.0702 9297	81
82	0.0509 3211	0.0556 9036	0.0605 0903	0.0702 7373	82
83	0.0508 8694	0.0556 5395	0.0604 7998	0.0702 5576	83
84	0.0508 4399	0.0556 1947	0.0604 5261	0.0702 3897	84
85	0.0508 0316	0.0555 8683	0.0604 2681	0.0702 2329	85
86	0.0507 6433	0.0555 5593	0.0604 0249	0.0702 0863	86
87	0.0507 2740	0.0555 2667	0.0603 7956	0.0701 9495	87
88	0.0506 9228	0.0554 9896	0.0603 5795	0.0701 8216	88
89	0.0506 5888	0.0554 7273	0.0603 3757	0.0701 7021	89
90	0.0506 2711	0.0554 4788	0.0603 1836	0.0701 5905	90
91	0.0505 9689	0.0554 2435	0.0603 0025	0.0701 4863	91
92	0.0505 6815	0.0554 0207	0.0602 8318	0.0701 3888	92
93	0.0505 4080	0.0553 8096	0.0602 6708	0.0701 2978	83
94	0.0505 1478	0.0553 6097	0.0602 5190	0.0701 2128	94
95	0.0504 9003	0.0553 4204	0.0602 3758	0.0701 1333	95
96	0.0504 6648	0.0553 2410	0.0602 2408	0.0701 0590	96
97	0.0504 4407	0.0553 0711	0.0602 1135	0.0700 9897	97
98	0.0504 2274	0.0552 9101	0.0601 9935	0.0700 9248	98
99	0.0504 0245	0.0552 7577	0.0601 8803	0.0700 8643	99
100	0.0503 8314	0.0552 6132	0.0601 7736	0.0700 8076	.100

Amount of 1 at Compound Interest for Fractional Periods

TABLE VI. $(1+i)^{1/p}$

p	1%	$1\frac{1}{4}\%$	$1\frac{1}{2}\%$	$1\frac{3}{4}\%$	p
2	1.0049 8756	1.0062 3059	1.0074 7208	1.0087 1205	2
3	1.0033 2228	1.0041 4943	1.0049 7521	1.0057 9963	3
4	1.0024 9068	1.0031 1046	1.0037 2909	1.0043 4658	4
6	1.0016 5977	1.0020 7257	1.0024 8452	1.0028 9562	6
12	1.0008 2954	1.0010 3575	1.0012 4149	1.0014 4677	12
13	1.0007 6570	1.0009 5604	1.0011 4594	1.0013 3540	13
26	1.0003 8278	1.0004 7790	1.0005 7280	1.0006 6748	26
52	1.0001 9137	1.0002 3892	1.0002 8636	1.0003 3368	52
p	2%	$2\frac{1}{4}\%$	$2\frac{1}{2}\%$	$2\frac{3}{4}\%$	p
2	1.0099 5050	1.0111 8742	1.0124 2284	1.0136 5675	2
3	1.0066 2271	1.0074 4444	1.0082 6484	1.0090 8390	3
4	1.0049 6293	1.0055 7815	1.0061 9225	1.0068 0522	4
6	1.0033 0589	1.0037 1532	1.0041 2392	1.0045 3168	6
12	1.0016 5158	1.0018 5594	1.0020 5984	1.0022 6328	12
13	1.0015 2444	1.0017 1305	1.0019 0124	1.0020 8900	13
26	1.0007 6193	1.0008 5616	1.0009 5017	1.0010 4396	26
52	1.0003 8089	1.0004 2799	1.0004 7497	1.0005 2184	52
p	3%	$3\frac{1}{2}\%$	4%	$4\frac{1}{2}\%$	p
2	1.0148 8916	1.0173 4950	1.0198 0390	1.0222 5242	2
3	1.0099 0163	1.0115 3314	1.0131 5941	1.0147 8046	3
4	1.0074 1707	1.0086 3745	1.0098 5341	1.0110 6499	4
6	1.0049 3862	1.0057 5004	1.0065 5820	1.0073 6312	6
12	1.0024 6627	1.0028 7090	1.0032 7374	1.0036 7481	12
13	1.0022 7634	1.0026 4977	1.0030 2153	1.0033 9165	13
26	1.0011 3752	1.0013 2401	1.0015 0963	1.0016 9439	26
52	1.0005 6860	1.0006 6179	1.0007 5453	1.0008 4684	52
p	5%	$5\frac{1}{2}\%$	6%	7%	p
2	1.0246 9508	1.0271 3193	1.0295 6302	1.0344 0804	2
3	1.0163 9636	1.0180 0713	1.0196 1282	1.0228 0912	3
4	1.0122 7224	1.0134 7518	1.0146 7385	1.0170 5853	4
6	1.0081 6485	1.0089 6340	1.0097 5880	1.0113 4026	6
12	1.0040 7412	1.0044 7170	1.0048 6755	1.0056 5415	12
13	1.0037 6014	1.0041 2701	1.0044 9228	1.0052 1808	13
26	1.0018 7831	1.0020 6138	1.0022 4363	1.0026 0564	26
52	1.0009 3871	1.0010 3016	1.0011 2118	1.0013 0197	52

Logarithm of Amount of 1 at Compound Interest for Fractional Periods

TABLE VII. $log\ (1+i)^{1/p}$

p	1%	$1\frac{1}{4}\%$	$1\frac{1}{2}\%$	$1\frac{3}{4}\%$	p
2	.002 1607	.002 6975	.003 2330	.003 7672	2
3	.001 4405	.001 7983	.002 1553	.002 5115	3
4	.001 0803	.001 3488	.001 6165	.001 8836	4
6	.000 7202	.000 8992	.001 0777	.001 2557	6
12	.000 3601	.000 4496	.000 5388	.000 6279	12
13	.000 3324	.000 4150	.000 4974	.000 5796	13
26	.000 1662	.000 2075	.000 2487	.000 2898	26
52	.000 0831	.000 1038	.000 1243	.000 1449	52
p	2%	$2\frac{1}{4}\%$	$2\frac{1}{2}\%$	$2\frac{3}{4}\%$	p
2	.004 3001	.004 8317	.005 3619	.005 8909	2
3	.002 8667	.003 2211	.003 5746	.003 9273	3
4	.002 1500	.002 4158	.002 6810	.002 9455	4
6	.001 4334	.001 6106	.001 7873	.001 9636	6
12	.000 7167	.000 8053	.000 8937	.000 9818	12
13	.000 6616	.000 7433	.000 8249	.000 9063	13
26	.000 3308	.000 3717	.000 4125	.000 4531	26
52	.000 1654	.000 1858	.000 2062	.000 2266	52
p	3%	$3\frac{1}{2}\%$	4%	$4\frac{1}{2}\%$	p
2	.006 4186	.007 4702	.008 5167	.009 5581	2
3	.004 2791	.004 9801	.005 6778	.006 3721	3
4	.003 2093	.003 7351	.004 2583	.004 7791	4
6	.002 1395	.002 4901	.002 8389	.003 1860	6
12	.001 0698	.001 2450	.001 4194	.001 5930	12
13	.000 9875	.001 1493	.001 3103	.001 4705	13
26	.000 4937	.000 5746	.000 6551	.000 7352	26
52	.000 2469	.000 2873	.000 3276	.000 3676	52
p	5%	$5\frac{1}{2}\%$	6%	7%	p
2	.010 5946	.011 6262	.012 6529	.014 6919	2
3	.007 0631	.007 7508	.008 4353	.009 7946	3
4	.005 2973	.005 8131	.006 3265	.007 3459	4
6	.003 5315	.003 8754	.004 2176	.004 8973	6
12	.001 7658	.001 9377	.002 1088	.002 4486	12
13	.001 6299	.001 7887	.001 9466	.002 2603	13
26	.000 8150	.000 8943	.000 9733	.001 1301	26
52	.000 4075	.000 4472	.000 4867	.000 5651	52

Nominal Rate of Interest j with Frequency of Conversion p Corresponding to Effective Rate of Interest i

TABLE VIII. $\qquad j_{(p)}=p'[(1+i)^{1/p}-1]$

p	1%	$1\frac{1}{4}\%$	$1\frac{1}{2}\%$	$1\frac{3}{4}\%$	p
2	.0099 7512	.0124 6118	.0149 4417	.0174 2410	2
3	.0099 6685	.0124 4828	.0149 2562	.0173 9890	3
4	.0099 6272	.0124 4183	.0149 1636	.0173 8631	4
6	.0099 5859	.0124 3539	.0149 0710	.0173 7374	6
12	.0099 5446	.0124 2895	.0148 9785	.0173 6119	12
13	.0099 5414	.0124 2846	.0148 9714	.0183 6022	13
26	.0099 5224	.0124 2549	.0148 9288	.0173 5443	26
52	.0099 5128	.0124 2400	.0148 9074	.0173 5153	52
∞	.0099 5033	.0124 2252	.0148 8861	.0173 4864	∞

p	2%	$2\frac{1}{4}\%$	$2\frac{1}{2}\%$	$2\frac{3}{4}\%$	p
2	.0199 0099	.0223 7484	.0248 4567	.0273 1349	2
3	.0198 6813	.0223 3333	.0247 9451	.0272 5170	3
4	.0198 5173	.0223 1261	.0247 6899	.0272 2087	4
6	.0198 3534	.0222 9192	.0247 4349	.0271 9009	6
12	.0198 1898	.0222 7125	.0247 1804	.0271 5936	12
13	.0198 1772	.0222 6966	.0247 1608	.0271 5699	13
26	.0198 1017	.0222 6013	.0247 0434	.0271 4283	26
52	.0198 0640	.0222 5537	.0246 9848	.0271 3575	52
∞	.0198 0263	.0222 5061	.0246 9261	.0271 2867	∞

p	3%	$3\frac{1}{2}\%$	4%	$4\frac{1}{2}\%$	p
2	.0297 7831	.0346 9899	.0396 0781	.0445 0483	2
3	.0297 0490	.0345 9943	.0394 7821	.0443 4138	3
4	.0296 6829	.0345 4978	.0394 1363	.0442 5996	4
6	.0296 3173	.0345 0024	.0393 4918	.0441 7874	6
12	.0295 9524	.0344 5078	.0392 8488	.0440 9771	12
13	.0295 9243	.0344 4698	.0392 7994	.0440 9149	13
26	.0295 7561	.0344 2420	.0392 5031	.0440 5417	26
52	.0295 6721	.0344 1281	.0392 3551	.0040 3552	52
∞	.0295 5880	.0344 0143	.0392 2071	.0440 1689	∞

p	5%	$5\frac{1}{2}\%$	6%	7%	p
2	.0493 9015	.0542 6386	.0591 2603	.0688 1609	2
3	.0491 8907	.0540 2139	.0588 3847	.0684 2737	3
4	.0490 8894	.0539 0070	.0586 9538	.0682 3410	4
6	.0489 8908	.0537 8036	.0585 5277	.0680 4156	6
12	.0488 8949	.0536 6039	.0584 1061	.0678 4974	12
13	.0488 8184	.0536 5117	.0583 9969	.0678 3502	13
26	.0488 3597	.0535 9593	.0583 3425	.0677 4676	26
52	.0488 1306	.0535 6834	.0583 0157	.0677 0268	52
∞	.0487 9016	.0535 4077	.0582 6891	.0676 5865	∞

Logarithm of Nominal Rate of Interest j with Frequency of Conversion p Corresponding to Effective Rate of Interest i

TABLE IX. $log\ j_{(p)}$

p	1%	$1\frac{1}{4}\%$	$1\frac{1}{2}\%$	$1\frac{3}{4}\%$	p
2	7.998 9183	8.095 5592	8.174 4717	8.241 1504	2
3	7.998 5579	8.095 1092	8.173 9323	8.240 5217	3
4	7.998 3778	8.094 8843	8.173 6627	8.240 2075	4
6	7.998 1977	8.094 6594	8.173 3932	8.239 8934	6
12	7.998 0176	8.094 4345	8.173 1237	8.239 5794	12
13	7.998 0037	8.094 4172	8.173 1029	8.239 5552	13
26	7.997 9206	8.094 3135	8.172 9786	8.239 4103	26
52	7.997 8791	8.094 2616	8.172 9164	8.239 3378	52
∞	7.997 8375	8.094 2097	8.172 8542	8.239 2654	∞
p	2%	$2\frac{1}{4}\%$	$2\frac{1}{2}\%$	$2\frac{3}{4}\%$	p
2	8.298 8746	8.349 7600	8.395 2508	8.436 3772	2
3	8.298 1570	8.348 9535	8.394 3556	8.435 3936	3
4	8.297 7983	8.348 5504	8.393 9082	8.434 9020	4
6	8.297 4397	8.348 1474	8.393 4610	8.434 4107	6
12	8.297 0812	8.347 7446	8.393 0139	8.433 9195	12
13	8.297 0536	8.347 7136	8.392 9796	8.433 8817	13
26	8.296 8882	8.347 5277	8.392 7733	8.433 6550	26
52	8.296 8055	8.347 4348	8.392 6702	8.433 5418	52
∞	8.296 7228	8.347 3419	8.392 5670	8.433 4285	∞
p	3%	$3\frac{1}{2}\%$	4%	$4\frac{1}{2}\%$	p
2	8.473 9000	8.540 3169	8.597 7808	8.648 4071	2
3	8.472 8281	8.539 0689	8.596 3575	8.646 8093	3
4	8.472 2925	8.538 4453	8.595 6464	8.646 0110	4
6	8.471 7570	8.537 8221	8.594 9357	8.645 2133	6
12	8.471 2219	8.537 1991	8.594 2254	8.644 4160	12
13	8.471 1806	8.537 1512	8.594 1708	8.644 3548	13
26	8.470 9337	8.536 8639	8.593 8431	8.643 9870	26
52	8.470 8103	8.536 7201	8.593 6793	8.643 8031	52
∞	8.470 6868	8.536 5765	8.593 5155	8.643 6194	∞
p	5%	$5\frac{1}{2}\%$	6%	7%	p
2	8.693 6404	8.734 5107	8.771 7787	8.837 6900	2
3	8.691 8686	8.732 5658	8.769 6614	8.835 2298	3
4	8.690 9836	8.731 5944	8.768 6040	8.834 0015	4
6	8.690 0993	8.730 6237	8.767 5474	8.832 7743	6
12	8.689 2155	8.729 6538	8.766 4917	8.831 5482	12
13	8.689 1475	8.729 5792	8.766 4105	8.831 4540	13
26	8.688 7398	8.729 1318	8.765 9236	8.830 8885	26
52	8.688 5360	8.728 9082	8.765 6803	8.830 6059	52
∞	8.688 3323	8.728 6846	8.765 4369	8.830 3233	∞

Amount at End of Year at Compound Interest of p Installments Each of $1/p$ Deposited at End of Each pth Part of Year

TABLE X. $s^{(p)}_{\overline{1}|} = i\ j_{(p)}$

p	1%	$1\frac{1}{4}\%$	$1\frac{1}{2}\%$	$1\frac{3}{4}\%$	p
2	1.0024 9378	1.0031 1529	1.0037 3604	1.0043 5603	2
3	1.0033 2596	1.0041 5516	1.0049 8346	1.0058 1084	3
4	1.0037 4223	1.0046 7537	1.0056 0755	1.0065 3878	4
6	1.0041 5861	1.0051 9575	1.0062 3191	1.0072 6707	6
12	1.0045 7510	1.0057 1632	1.0068 5652	1.0079 9571	12
13	1.0046 0714	1.0057 5637	1.0069 0458	1.0080 5177	13
26	1.0047 9941	1.0059 9669	1.0071 9296	1.0083 8820	26
52	1.0048 9556	1.0061 1687	1.0073 3717	1.0085 5644	52
∞	1.0049 9171	1.0062 3706	1.0074 8139	1.0087 2470	∞

p	2%	$2\frac{1}{4}\%$	$2\frac{1}{2}\%$	$2\frac{3}{4}\%$	p
2	1.0049 7525	1.0055 9371	1.0062 1142	1.0068 2837	2
3	1.0066 3733	1.0074 6292	1.0082 8761	1.0091 1141	3
4	1.0074 6906	1.0083 9839	1.0093 2677	1.0102 5422	4
6	1.0083 0125	1.0093 3444	1.0103 6665	1.0113 9789	6
12	1.0091 3389	1.0102 7107	1.0114 0725	1.0125 4243	12
13	1.0091 9796	1.0103 4314	1.0114 8732	1.0126 3051	13
26	1.0095 8243	1.0107 7565	1.0119 6786	1.0131 5908	26
52	1.0097 7470	1.0109 9195	1.0122 0819	1.0134 2343	52
∞	1.0099 6700	1.0112 0828	1.0124 4856	1.0136 8783	∞

p	3%	$3\frac{1}{2}\%$	4%	$4\frac{1}{2}\%$	p
2	1.0074 4458	1.0086 7475	1.0099 0195	1.0111 2621	2
3	1.0099 3431	1.0115 7748	1.0132 1713	1.0148 5328	3
4	1.0111 8072	1.0130 3094	1.0148 7744	1.0167 2026	4
6	1.0124 2816	1.0144 8578	1.0165 3957	1.0185 8953	6
12	1.0136 7662	1.0159 4203	1.0182 0351	1.0204 6109	12
13	1.0137 7270	1.0160 5410	1.0183 3158	1.0206 0515	13
26	1.0143 4929	1.0167 2674	1.0191 0023	1.0214 6980	26
52	1.0146 3767	1.0170 6316	1.0194 8470	1.0219 0231	52
∞	1.0149 2610	1.0173 9966	1.0198 6927	1.0223 3494	∞

p	5%	$5\frac{1}{2}\%$	6%	7%	p
2	1.0123 4754	1.0135 6596	1.0147 8151	1.0172 0402	2
3	1.0164 8597	1.0181 1522	1.0197 4104	1.0229 8254	3
4	1.0185 5942	1.0203 9495	1.0222 2688	1.0258 8002	4
6	1.0206 3570	1.0226 7810	1.0247 1676	1.0287 8298	6
12	1.0227 1479	1.0249 6465	1.0272 1070	1.0316 9143	12
13	1.0228 7484	1.0251 4068	1.0274 0270	1.0319 1538	13
26	1.0238 3548	1.0261 9729	1.0285 5526	1.0332 5978	26
52	1.0243 1602	1.0267 2586	1.0291 3186	1.0339 3242	52
∞	1.0247 9672	1.0272 5462	1.0297 0867	1.0346 0535	∞

Logarithm of Amount at End of Year at Compound Interest of p Installments Each of $1/p$ Deposited at End of Each pth Part of Year

TABLE XI. $\log s^{(p)}_{\overline{1}}$

p	1%	$1\frac{1}{4}\%$	$1\frac{1}{2}\%$	$1\frac{3}{4}\%$	p
2	.001 0817	.001 3509	.001 6195	.001 8877	2
3	.001 4421	.001 8008	.002 1589	.002 5163	3
4	.001 6222	.002 0258	.002 4285	.002 8305	4
6	.001 8023	.002 2506	.002 6981	.003 1446	6
12	.001 9824	.002 4755	.002 9676	.003 4587	12
13	.001 9963	.002 4928	.002 9883	.003 4828	13
26	.002 0794	.002 5966	.003 1127	.003 6278	26
52	.002 1209	.002 6484	.003 1749	.003 7002	52
∞	.002 1625	.002 7003	.003 2370	.003 7727	∞

p	2%	$2\frac{1}{4}\%$	$2\frac{1}{2}\%$	$2\frac{3}{4}\%$	p
2	.002 1554	.002 4225	.002 6892	.002 9554	2
3	.002 8730	.003 2291	.003 5844	.003 9391	3
4	.003 2317	.003 6321	.004 0318	.004 4307	4
6	.003 5903	.004 0351	.004 4790	.004 9220	6
12	.003 9488	.004 4379	.004 9261	.005 4132	12
13	.003 9764	.004 4689	.004 9604	.005 4510	13
26	.004 1418	.004 6548	.005 1667	.005 6776	26
52	.004 2245	.004 7477	.005 2698	.005 7909	52
∞	.004 3072	.004 8406	.005 3730	.005 9042	∞

p	3%	$3\frac{1}{2}\%$	4%	$4\frac{1}{2}\%$	p
2	.003 2212	.003 7511	.004 2792	.004 8054	2
3	.004 2931	.004 9991	.005 7025	.006 4033	3
4	.004 8288	.005 6227	.006 4136	.007 2015	4
6	.005 3642	.006 2460	.007 1243	.007 9992	6
12	.005 8994	.006 8689	.007 8346	.008 7965	12
13	.005 9406	.006 9168	.007 8892	.008 8578	13
26	.006 1875	.007 2042	.008 2169	.009 2255	26
52	.006 3110	.007 3479	.008 3807	.009 4094	52
∞	.006 4344	.007 4916	.008 5445	.009 5932	∞

p	5%	$5\frac{1}{2}\%$	6%	7%	p
2	.005 3296	.005 8520	.006 3725	.007 4081	2
3	.007 1014	.007 7969	.008 4899	.009 8682	3
4	.007 9864	.008 7683	.009 5473	.011 0966	4
6	.008 8708	.009 7390	.010 6038	.012 3238	6
12	.009 7545	.010 7089	.011 6595	.013 5498	12
13	.009 8225	.010 7835	.011 7407	.013 6441	13
26	.010 2302	.011 2309	.012 2276	.014 2095	26
52	.010 4340	.011 4545	.012 4710	.014 4922	52
∞	.010 6377	.011 6781	.012 7144	.014 7747	∞

TABLE XII.

$log\ (1+i)^n$

n	1%	$1\frac{1}{4}\%$	$1\frac{1}{2}\%$	$1\frac{3}{4}\%$	n
1	.004 3214	.005 3950	.006 4660	.007 5344	1
2	.008 6427	.010 7901	.012 9321	.015 0688	2
3	.012 9641	.016 1851	.019 3981	.022 6033	3
4	.017 2855	.021 5801	.025 8642	.030 1377	4
5	.021 6069	.026 9752	.032 3302	.037 6721	5
6	.025 9282	.032 3702	.038 7963	.045 2065	6
7	.030 2496	.037 7652	.045 2623	.052 7409	7
8	.034 5710	.043 1603	.051 7283	.060 2753	8
9	.038 8924	.048 5553	.058 1944	.067 8098	9
10	.043 2137	.053 9504	.064 6604	.075 3442	10
11	.047 5350	.059 3454	.071 1265	.082 8786	11
12	.051 8565	.064 7404	.077 5925	.090 4130	12
13	.056 1779	.070 1354	.084 0585	.097 9474	13
14	.060 4992	.075 5304	.090 5246	.105 4819	14
15	.064 8206	.080 9255	.096 9906	.113 0163	15
16	.069 1420	.086 3205	.103 4567	.120 5507	16
17	.073 4634	.091 7155	.109 9227	.128 0851	17
18	.077 7847	.097 1106	.116 3888	.135 6195	18
19	.082 1061	.102 5056	.122 8548	.143 1539	19
20	.086 4275	.107 9006	.129 3208	.150 6884	20
21	.090 7488	.113 2957	.135 7869	.158 2228	21
22	.095 0702	.118 6907	.142 2529	.165 7572	22
23	.099 3916	.124 0857	.148 7190	.173 2916	23
24	.103 7130	.129 4808	.155 1850	.180 8260	24
25	.108 0343	.134 8758	.161 6511	.188 3604	25
26	.112 3557	.140 2708	.168 1171	.195 8949	26
27	.116 6771	.145 6659	.174 5831	.203 4293	27
28	.120 9985	.151 0609	.181 0492	.210 9637	28
29	.125 3198	.156 4559	.187 5152	.218 4981	29
30	.129 6412	.161 8510	.193 9813	.226 0325	30
31	.133 9626	.167 2460	.200 4473	.233 5670	31
32	.138 2840	.172 6410	.206 9134	.241.1014	32
33	.142 6053	.178 0361	.213 3794	.248 6358	33
34	.146 9267	.183 4311	.219 8454	.256 1702	34
35	.151 2481	.188 8261	.226 3115	.263 7046	35
36	.155 5695	.194 2211	.232 7775	.271 2390	36
37	.159 8908	.199 6162	.239 2436	.278 7735	37
38	.164 2122	.205 0112	.245 7096	.286 3079	38
39	.168 5336	.210 4062	.252 1756	.293 8423	39
40	.172 8550	.215 8013	.258 6417	.301 3767	40
41	.177 1763	.221 1963	.265 1077	.308 9111	41
42	.181 4977	.226 5913	.271 5738	.316 4456	42
43	.185 8191	.231 9864	.278 0398	.323 9800	43
44	.190 1404	.237 3814	.284 5059	.331 5144	44
45	.194 4618	.242 7764	.290 9719	.339 0488	45
46	.198 7832	.248 1715	.297 4379	.346 5832	46
47	.203 1046	.253 5665	.303 9040	.354 1176	47
48	.207 4259	.258 9615	.310 3700	.361 6521	48
49	.211 7473	.264 3566	.316 8361	.369 1865	49
50	.216 0687	.269 7516	.323 3021	.376 7209	50

TABLE XII.

$log\ (1+i)^n$

n	1%	$1\frac{1}{4}\%$	$1\frac{1}{2}\%$	$1\frac{3}{4}\%$	n
51	.220 3901	.275 1466	.329 7682	.384 2553	51
52	.224 7114	.280 5417	.336 2342	.391 7897	52
53	.229 0328	.285 9367	.342 7002	.399 3241	53
54	.233 3542	.291 3317	.349 1663	.406 8586	54
55	.237 6756	.296 7268	.355 6323	.414 3930	55
56	.241 9969	.302 1218	.362 0984	.421 9274	56
57	.246 3183	.307 5168	.368 5644	.429 4618	57
58	.250 6397	.312 9118	.375 0304	.436 9962	58
59	.254 9611	.318 3069	.381 4965	.444 5307	59
60	.259 2824	.323 7019	.387 9625	.452 0651	60
61	.263 6038	.329 0969	.394 4286	.459 5995	61
62	.267 9252	.334 4920	.400 8946	.467 1339	62
63	.272 2465	.339 8870	.407 3607	.474 6683	63
64	.276 5679	.345 2820	.413 8267	.482 2027	64
65	.280 8893	.350 6771	.420 2927	.489 7372	65
66	.285 2107	.356 0721	.426 7588	.497 2716	66
67	.289 5320	.361 4671	.433 2248	.504 8060	67
68	.293 8534	.366 8622	.439 6909	.512 3404	68
69	.298 1748	.372 2572	.446 1569	.519 8748	69
70	.302 4962	.377 6522	.452 6230	.527 4093	70
71	.306 8175	.383 0473	.459 0890	.534 9437	71
72	.311 1389	.388 4423	.465 5550	.542 4781	72
73	.315 4603	.393 8373	.472 0211	.550 0125	73
74	.319 7817	.399 2324	.478 4871	.557 5469	74
75	.324 1030	.404 6274	.484 9532	.565 0813	75
76	.328 4244	.410 0224	.491 4192	.572 6158	76
77	.332 7458	.415 4175	.497 8852	.580 1502	77
78	.337 0672	.420 8125	.504 3513	.587 6846	78
79	.341 3887	.426 2075	.510 8173	.595 2190	79
80	.345 7099	.431 6026	.517 2834	.602 7534	80
81	.350 0313	.436 9976	.523 7494	.610 2878	81
82	.354 3527	.442 3926	.530 2155	.617 8223	82
83	.358 6740	.447 7876	.536 6815	.625 3567	83
84	.362 9954	.453 1827	.543 1475	.632 8911	84
85	.367 3168	.458 5777	.549 6136	.640 4255	85
86	.371 6381	.463 9727	.556 0796	.647 9599	86
87	.375 9595	.469 3678	.562 5457	.655 4944	87
88	.380 2809	.474 7628	.569 0117	.663 0288	88
89	.384 6023	.480 1578	.575 4778	.670 5632	89
90	.388 9237	.485 5529	.581 9438	.678 0976	90
91	.393 2450	.490 9479	.588 4098	.685 6320	91
92	.397 5664	.496 3429	.594 8759	.693 1664	92
93	.401 8878	.501 7380	.601 3419	.700 7009	93
94	.406 2091	.507 1330	.607 8080	.708 2353	94
95	.410 5305	.512 5280	.614 2740	.715 7697	95
96	.414 8519	.517 9231	.620 7401	.723 3041	96
97	.419 1733	.523 3181	.627 2061	.730 8385	97
98	.423 4946	.528 7131	.633 6721	.738 3730	98
99	.427 8160	.534 1082	.640 1382	.745 9074	99
100	.432 1374	.539 5032	.646 6042	.753 4418	100

TABLE XII.

$log\ (1+i)^n$

n	2%	$2\frac{1}{4}\%$	$2\frac{1}{2}\%$	$2\frac{3}{4}\%$	n
1	.008 6002	.009 6633	.010 7239	.011 7818	1
2	.017 2003	.019 3266	.021 4477	.023 5637	2
3	.025 8005	.028 9900	.032 1716	.035 3455	3
4	.034 4007	.038 6533	.042 8955	.047 1273	4
5	.043 0009	.048 3166	.053 6193	.058 9092	5
6	.051 6010	.057 9799	.064 3432	.070 6910	6
7	.060 2012	.067 6432	.075 0671	.082 4728	7
8	.068 8014	.077 3065	.085 7909	.094 2546	8
9	.077 4015	.086 9699	.096 5148	.106 0365	9
10	.086 0017	.096 6332	.107 2387	.117 8183	10
11	.094 6019	.106 2965	.117 9625	.129 6001	11
12	.103 2021	.115 9598	.128 6864	.141 3820	12
13	.111 8022	.125 6231	.139 4103	.153 1638	13
14	.120 4024	.135 2864	.150 1341	.164 9456	14
15	.129 0026	.144 9498	.160 8580	.176 7275	15
16	.137 6027	.154 6131	.171 5818	.188 5093	16
17	.146 2029	.164 2764	.182 3057	.200 2911	17
18	.154 8031	.173 9397	.193 0296	.212 0729	18
19	.163 4033	.183 6030	.203 7534	.223 8548	19
20	.172 0034	.193 2663	.214 4773	.235 6366	20
21	.180 6036	.202 9297	.225 2012	.247 4184	21
22	.189 2038	.212 5930	.235 9250	.259 2003	22
23	.197 8040	.222 2563	.246 6489	.270 9821	23
24	.206 4041	.231 9196	.257 3728	.282 7639	24
25	.215 0043	.241 5829	.268 0966	.294 5458	25
26	.223 6045	.251 2462	.278 8205	.306 3276	26
27	.232 2046	.260 9096	.289 5444	.318 1094	27
28	.240 8048	.270 5729	.300 2682	.329 8913	28
29	.249 4050	.280 2362	.310 9921	.341 6731	29
30	.258 0052	.289 8995	.321 7160	.353 4549	30
31	.266 6053	.299 5628	.332 4398	.365 2367	31
32	.275 2055	.309 2261	.343 1637	.377 0186	32
33	.283 8057	.318 8894	.353 8876	.388 8004	33
34	.292 4058	.328 5528	.364 6114	.400 5822	34
35	.301 0060	.338 2161	.375 3353	.412 3641	35
36	.309 6062	.347 8794	.386 0592	.424 1459	36
37	.318 2064	.357 5427	.396 7830	.435 9277	37
38	.326 8065	.367 2060	.407 5069	.447 7096	38
39	.335 4067	.376 8694	.418 2308	.459 4914	39
40	.344 0069	.386 5327	.428 9546	.471 2732	40
41	.352 6070	.396 1960	.439 6785	.483 0551	41
42	.361 2072	.405 8593	.450 4023	.494 8369	42
43	.369 8074	.415 5226	.461 1262	.506 6187	43
44	.378 4076	.425 1859	.471 8501	.518 4005	44
45	.387 0077	.434 8493	.482 5739	.530 1824	45
46	.395 6079	.444 5126	.493 2978	.541 9642	46
47	.404 2081	.454 1759	.504 0217	.553 7460	47
48	.412 8082	.463 8392	.514 7455	.565 5279	48
49	.421 4084	.473 5025	.525 4694	.577 3097	49
50	.430 0086	.483 1658	.536 1933	.589 0915	50

TABLE XII. $log\ (1+i)^n$

n	2%	$2\frac{1}{4}\%$	$2\frac{1}{2}\%$	$2\frac{3}{4}\%$	n
51	.438 6088	.492 8292	.546 9171	.600 8734	51
52	.447 2089	.502 4925	.557 6410	.612 6552	52
53	.455 8091	.512 1558	.568 3649	.624 4370	53
54	.464 4093	.521 8191	.579 0887	.636 2188	54
55	.473 0094	.531 4824	.589 8126	.648 0007	55
56	.481 6096	.541 1457	.600 5365	.659 7825	56
57	.490 2098	.550 8091	.611 2603	.671 5643	57
58	.498 8100	.560 4724	.621 9842	.683 3462	58
59	.507 4101	.570 1357	.632 7081	.695 1280	59
60	.516 0103	.579 7990	.643 4319	.706 9098	60
61	.524 6105	.589 4623	.654 1558	.718 6917	61
62	.533 2107	.599 1256	.664 8797	.730 4735	62
63	.541 8108	.608 7890	.675 6035	.742 2553	63
64	.550 4110	.618 4523	.686 3274	.754 0372	64
65	.559 0112	.628 1156	.697 0513	.765 8190	65
66	.567 6113	.637 7789	.707 7751	.777 6008	66
67	.576 2115	.647 4422	.718 4990	.789 3826	67
68	.584 8117	.657 1055	.729 2228	.801 1645	68
69	.593 4119	.666 7689	.739 9467	.812 9463	69
70	.602 0120	.676 4322	.750 6706	.824 7281	70
71	.610 6122	.686 0955	.761 3944	.836 5100	71
72	.619 2124	.695 7588	.772 1183	.848 2918	72
73	.627 8125	.705 4221	.782 8422	.860 0736	73
74	.636 4127	.715 0854	.793 5660	.871 8555	74
75	.645 0129	.724 7488	.804 2899	.883 6373	75
76	.653 6131	.734 4121	.815 0138	.895 4191	76
77	.662 2132	.744 0754	.825 7376	.907 2009	77
78	.670 8134	.753 7387	.836 4615	.918 9828	78
79	.679 4136	.763 4020	.847 1854	.930 7646	79
80	.688 0137	.773 0653	.857 9092	.942 5464	80
81	.696 6139	.782 7287	.868 6331	.954 3283	81
82	.705 2141	.792 3920	.879 3570	.966 1101	82
83	.713 8143	.802 0553	.890 0808	.977 8919	83
84	.722 4144	.811 7186	.900 8047	.989 6738	84
85	.731 0146	.821 3819	.911 5286	1.001 4556	85
86	.739 6148	.831 0452	.922 2524	1.013 2374	86
87	.748 2149	.840 7086	.932 9763	1.025 0193	87
88	.756 8151	.850 3719	.943 7002	1.036 8011	88
89	.765 4153	.860 0352	.954 4240	1.048 5829	89
90	.774 0155	.869 6985	.965 1479	1.060 3647	90
91	.782 6156	.879 3618	.975 8718	1.072 1466	91
92	.791 2158	.889 0251	.986 5956	1.083 9284	92
93	.799 8160	.898 6885	.997 3195	1.095 7102	93
94	.808 4161	.908 3518	1.008 0433	1.107 4921	94
95	.817 0163	.918 0151	1.018 7672	1.119 2739	95
96	.825 6165	.927 6784	1.029 4911	1.131 0557	96
97	.834 2167	.937 3417	1.040 2149	1.142 8376	97
98	.842 8168	.947 0050	1.050 9388	1.154 6194	98
99	.851 4170	.956 6684	1.061 6627	1.166 4012	99
100	.860 0172	.966 3317	1.072 3865	1.178 1831	100

Logarithm of Amount of 1 at Compound Interest

TABLE XII. $log\ (1+i)^n$

n	3%	$3\frac{1}{2}\%$	4%	$4\frac{1}{2}\%$	n
1	.012 8372	.014 9403	.017 0333	.019 1163	1
2	.025 6744	.029 8807	.034 0667	.038 2326	2
3	.038 5117	.044 8210	.051 1000	.057 3489	3
4	.051 3489	.059 7614	.068 1334	.076 4652	4
5	.064 1861	.074 7017	.085 1667	.095 5815	5
6	.077 0233	.089 6421	.102 2000	.114 6977	6
7	.089 8606	.104 5824	.119 2334	.133 8140	7
8	.102 6978	.119 5228	.136 2667	.152 9303	8
9	.115 5350	.134 4631	.153 3001	.172 0466	9
10	.128 3722	.149 4035	.170 3334	.191 1629	10
11	.141 2095	.164 3438	.187 3667	.210 2792	11
12	.154 0467	.179 2842	.204 4001	.229 3955	12
13	.166 8839	.194 2245	.221 4334	.248 5118	13
14	.179 7211	.209 1649	.238 4668	.267 6281	14
15	.192 5584	.224 1052	.255 5001	.286 7444	15
16	.205 3956	.239 0456	.272 5334	.305 8606	16
17	.218 2328	.253 9859	.289 5668	.324 9769	17
18	.231 0700	.268 9263	.306 6001	.344 0932	18
19	.243 9073	.283 8666	.323 6334	.363 2095	19
20	.256 7445	.298 8070	.340 6668	.382 3258	20
21	.269 5817	.313 7473	.357 7001	.401 4421	21
22	.282 4189	.328 6877	.374 7335	.420 5584	22
23	.295 2562	.343 6280	.391 7668	.439 6747	23
24	.308 0934	.358 5684	.408 8001	.458 7910	24
25	.320 9306	.373 5087	.425 8335	.477 9073	25
26	.333 7678	.388 4491	.442 8668	.497 0236	26
27	.346 6051	.403 3894	.459 9002	.516 1398	27
28	.359 4423	.418 3298	.476 9335	.535 2561	28
29	.372 2795	.433 2701	.493 9668	.554 3724	29
30	.385 1167	.448 2105	.511 0002	.573 4887	30
31	.397 9540	.463 1508	.528 0335	.592 6050	31
32	.410 7912	.478 0912	.545 0669	.611 7213	32
33	.423 6284	.493 0315	.562 1002	.630 8376	33
34	.436 4656	.507 9719	.579 1335	.649 9539	34
35	.449 3029	.522 9122	.596 1669	.669 0702	35
36	.462 1401	.537 8526	.613 2002	.688 1865	36
37	.474 9773	.552 7929	.630 2336	.707 3027	37
38	.487 8145	.567 7333	.647 2669	.726 4190	38
39	.500 6518	.582 6736	.664 3002	.745 5353	39
40	.513 4890	.597 6140	.681 3336	.764 6516	40
41	.526 3262	.612 5543	.698 3669	.783 7679	41
42	.539 1634	.627 4947	.715 4003	.802 8842	42
43	.552 0007	.642 4350	.732 4336	.822 0005	43
44	.564 8379	.657 3754	.749 4669	.841 1168	44
45	.577 6751	.672 3157	.766 5003	.860 2331	45
46	.590 5123	.687 2561	.783 5336	.879 3494	46
47	.603 3496	.702 1964	.800 5669	.898 4656	47
48	.616 1868	.717 1368	.817 6003	.917 5819	48
49	.629 0240	.732 0771	.834 6336	.936 6982	49
50	.641 8612	.747 0175	.851 6670*	.955 8145	50

TABLE XII. $log\ (1+i)^n$

n	3%	$3\frac{1}{2}\%$	4%	$4\frac{1}{2}\%$	n
51	.654 6985	.761 9578	.868 7003	.974 9308	51
52	.667 5357	.776 8982	.885 7336	.994 0471	52
53	.680 3729	.791 8385	.902 7670	1.013 1634	53
54	.693 2101	.806 7789	.919 8003	1.032 2797	54
55	.706 0474	.821 7192	.936 8337	1.051 3960	55
56	.718 8846	.836 6596	.953 8670	1.070 5123	56
57	.731 7218	.851 5999	.970 9003	1.089 6286	57
58	.744 5590	.866 5403	.987 9337	1.108 7448	58
59	.757 3963	.881 4806	1.004 9670	1.127 8611	59
60	.770 2335	.896 4210	1.022 0004	1.146 9774	60
61	.783 0707	.911 3613	1.039 0337	1.166 0937	61
62	.795 9079	.926 3017	1.056 0670	1.185 2100	62
63	.808 7452	.941 2420	1.073 1004	1.204 3263	63
64	.821 5824	.956 1824	1.090 1337	1.223 4426	64
65	.834 4196	.971 1227	1.107 1671	1.242 5589	65
66	.847 2568	.986 0631	1.124 2004	1.261 6752	66
67	.860 0941	1.001 0034	1.141 2337	1.280 7915	67
68	.872 9313	1.015 9438	1.158 2671	1.299 9077	68
69	.885 7685	1.030 8841	1.175 3004	1.319 0240	69
70	.898 6057	1.045 8245	1.192 3338	1.338 1403	70
71	.911 4430	1.060 7648	1.209 3671	1.357 2566	71
72	.924 2802	1.075 7052	1.226 4004	1.376 3729	72
73	.937 1174	1.090 6455	1.243 4338	1.395 4892	73
74	.949 9546	1.105 5859	1.260 4671	1.414 6055	74
75	.962 7919	1.120 5262	1.277 5004	1.433 7218	75
76	.975 6291	1.135 4666	1.294 5338	1.452 8381	76
77	.988 4663	1.150 4069	1.311 5671	1.471 9544	77
78	1.001 3035	1.165 3473	1.328 6005	1.491 0707	78
79	1.014 1408	1.180 2876	1.345 6338	1.510 1869	79
80	1.026 9780	1.195 2280	1.362 6671	1.529 3032	80
81	.039 8152	1.210 1683	1.379 7005	1.548 4195	81
82	1.052 6524	1.225 1087	1.396 7338	1.567 5358	82
83	1.065 4897	1.240 0490	1.413 7672	1.586 6521	83
84	1.078 3269	1.254 9894	1.430 8005	1.605 7684	84
85	1.091 1641	1.269 9297	1.447 8338	1.624 8847	85
86	1.104 0013	1.284 8701	1.464 8672	1.644 0010	86
87	1.116 8385	1.299 8104	1.481 9005	1.663 1173	87
88	1.129 6758	1.314 7508	1.498 9339	1.682 2336	88
89	1.142 5130	1.329 6911	1.515 9672	1.701 3498	89
90	1.155 3502	1.344 6315	1.533 0005	1.720 4661	90
91	1.168 1874	1.359 5718	1.550 0339	1.739 5824	91
92	1.181 0247	1.374 5122	1.567 0672	1.758 6987	92
93	1.193 8619	1.389 4525	1.584 1006	1.777 8150	93
94	1.206 6991	1.404 3929	1.601 1339	1.796 9313	94
95	1.219 5363	1.419 3332	1.618 1672	1.816 0476	95
96	1.232 3736	1.434 2736	1.635 2006	1.835 1639	96
97	1.245 2108	1.449 2139	1.652 2339	1.854 2802	97
98	1.258 0480	1.464 1543	1.669 2673	1.873 3965	98
99	1.270 8852	1.479 0946	1.686 3006	1.892 5127	99
100	1.283 7225	1.494 0350	1.703 3339	1.911 6290	100

Logarithm of Amount of 1 at Compound Interest

TABLE XII. $log\ (1+i)^n$

n	5%	5½%	6%	7%	n
1	.021 1893	.023 2525	.025 3059	.029 3838	1
2	.042 3786	.046 5049	.050 6117	.058 7676	2
3	.063 5679	.069 7574	.075 9176	.088 1513	3
4	.084 7572	.093 0098	.101 2235	.117 5351	4
5	.105 9465	.116 2623	.126 5293	.146 9189	5
6	.127 1358	.139 5148	.151 8352	.176 3027	6
7	.148 3251	.162 7672	.177 1411	.205 6864	7
8	.169 5144	.186 0197	.202 4469	.235 0702	8
9	.190 7037	.209 2721	.227 7528	.264 4540	9
10	.211 8930	.232 5246	.253 0587	.293 8378	10
11	.233 0823	.255 7771	.278 3645	.323 2216	11
12	.254 2716	.279 0295	.303 6704	.352 6053	12
13	.275 4609	.302 2820	.328 9762	.381 9891	13
14	.296 6502	.325 5344	.354 2821	.411 3729	14
15	.317 8395	.348 7869	.379 5880	.440 7567	15
16	.339 0288	.372 0394	.404 8938	.470 1404	16
17	.360 2181	.395 2918	.430 1997	.499 5242	17
18	.381 4074	.418 5443	.455 5056	.528 9080	18
19	.402 5967	.441 7967	.480 8114	.558 2918	19
20	.423 7860	.465 0492	.506 1173	.587 6756	20
21	.444 9753	.488 3017	.531 4232	.617 0593	21
22	.466 1646	.511 5541	.556 7290	.646 4431	22
23	.487 3539	.534 8066	.582 0349	.675 8269	23
24	.508 5432	.558 0590	.607 3408	.705 2107	24
25	.529 7325	.581 3115	.632 6466	.734 5944	25
26	.550 9218	.604 5639	.657 9525	.763 9782	26
27	.572 1111	.627 8164	.683 2584	.793 3620	27
28	.593 3004	.651 0689	.708 5642	.822 7458	28
29	.614 4897	.674 3213	.733 8701	.852 1296	29
30	.635 6790	.697 5738	.759 1760	.881 5133	30
31	.656 8683	.720 8262	.784 4818	.910 8971	31
32	.678 0576	.744 0787	.809 7877	.940 2809	32
33	.699 2469	.767 3312	.835 0936	.969 6647	33
34	.720 4362	.790 5836	.860 3994	.999 0484	34
35	.741 6255	.813 8361	.885 7053	1.028 4322	35
36	.762 8148	.837 0885	.911 0112	1.057 8160	36
37	.784 0041	.860 3410	.936 3170	1.087 1998	37
38	.805 1934	.883 5935	.961 6229	1.116 5836	38
39	.826 3827	.906 8459	.986 9287	1.145 9673	39
40	.847 5720	.930 0984	1.012 2346	1.175 3511	40
41	.868 7613	.953 3508	1.037 5405	1.204 7349	41
42	.889 9506	.976 6033	1.062 8463	1.234 1187	42
43	.911 1399	.999 8558	1.088 1522	1.263 5024	43
44	.932 3292	1.023 1082	1.113 4581	1.292 8862	44
45	.953 5185	1.046 3607	1.138 7639	1.322 2700	45
46	.974 7078	1.069 6131	1.164 0698	1.351 6538	46
47	.995 8971	1.092 8656	1.189 3757	1.381 0376	47
48	1.017 0864	1.116 1181	1.214 6815	1.410 4213	48
49	1.038 2757	1.139 3705	1.239 9874	1.439 8051	49
50	1.059 4650	1.162 6230	1.265 2933	1.469 1889	50

TABLE XII. $log\ (1+i)^n$

n	5%	5½%	6%	7%	n
51	1.080 6543	1.185 8754	1.290 5991	1.498 5727	51
52	1.101 8436	1.209 1279	1.315 9050	1.527 9564	52
53	1.123 0329	1.232 3804	1.341 2109	1.557 3402	53
54	1.144 2222	1.255 6328	1.366 5167	1.586 7240	54
55	1.165 4115	1.278 8853	1.391 8226	1.616 1078	55
56	1.186 6007	1.302 1377	1.417 1285	1.645 4916	56
57	1.207 7900	1.325 3902	1.442 4343	1.674 8753	57
58	1.228 9793	1.348 6427	1.467 7402	1.704 2591	58
59	1.250 1686	1.371 8951	1.493 0461	1.733 6429	59
60	1.271 3579	1.395 1476	1.518 3519	1.763 0267	60
61	1.292 5472	1.418 4000	1.543 6578	1.792 4104	61
62	1.313 7365	1.441 6525	1.568 9636	1.821 7942	62
63	1.334 9258	1.464 9050	1.594 2695	1.851 1780	63
64	1.356 1151	1.488 1574	1.619 5754	1.880 5618	64
65	1.377 3044	1.511 4099	1.644 8812	1.909 9456	65
66	1.398 4937	1.534 6623	1.670 1871	1.939 3293	66
67	1.419 6830	1.557 9148	1.695 4930	1.698 7131	67
68	1.440 8723	1.581 1673	1.720 7988	1.998 0969	68
69	1.462 0616	1.604 4197	1.746 1047	2.027 4807	69
70	1.483 2509	1.627 6722	1.771 4106	2.056 8644	70
71	1.504 4402	1.650 9246	1.796 7164	2.086 2482	71
72	1.525 6295	1.674 1771	1.822 0223	2.115 6320	72
73	1.546 8188	1.697 4296	1.847 3282	2.145 0158	73
74	1.568 0081	1.720 6820	1.872 6340	2.174 3995	74
75	1.589 1974	1.743 9345	1.897 9399	2.203 7833	75
76	1.610 3867	1.767 1869	1.923 2458	2.233 1671	76
77	1.631 5760	1.790 4394	1.948 5516	2.262 5509	77
78	1.652 7653	1.813 6918	1.973 8575	2.291 9347	78
79	1.673 9546	1.836 9443	1.999 1634	2.321 3184	79
80	1.695 1439	1.860 1968	2.024 4692	2.350 7022	80
81	1.716 3332	1.883 4492	2.049 7751	2.380 0860	81
82	1.737 5225	1.906 7017	2.075 0810	2.409 4698	82
83	1.758 7118	1.929 9541	2.100 3868	2.438 8535	83
84	1.779 9011	1.953 2066	2.125 6927	2.468 2373	84
85	1.801 0904	1.976 4591	2.150 9986	2.497 6211	85
86	1.822 2797	1.999 7115	2.176 3044	2.527 0049	86
87	1.843 4690	2.022 9640	2.201 6103	2.556 3887	87
88	1.864 6583	2.046 2164	2.226 9161	2.585 7724	88
89	1.885 8476	2.069 4689	2.252 2220	2.615 1562	89
90	1.907 0369	2.092 7214	2.277 5279	2.644 5400	90
91	1.928 2262	2.115 9738	2.302 8337	2.673 9238	91
92	1.949 4155	2.139 2263	2.328 1396	2.703 3075	92
93	1.970 6048	2.162 4787	2.353 4455	2.732 6913	93
94	1.991 7941	2.185 7312	2.378 7513	2.762 0751	94
95	2.012 9834	2.208 9837	2.404 0572	2.791 4589	95
96	2.034 1727	2.232 2361	2.429 3631	2.820 8427	96
97	2.055 3620	2.255 4886	2.454 6689	2.850 2264	97
98	2.076 5513	2.278 7410	2.479 9748	2.879 6102	98
99	2.097 7406	2.301 9935	2.505 2807	2.908 9940	99
100	2.118 9299	2.325 2460	2.530 5865	2.938 3778	100

Logarithm of Amount of 1 per Annum at Compound Interest

TABLE XIII.

$log\ s_{\overline{n}|}$

n	1%	$1\frac{1}{4}\%$	$1\frac{1}{2}\%$	$1\frac{3}{4}\%$	n
1	.000 0000	.000 0000	.000 0000	.000 0000	1
2	.303 1961	.303 7359	.304 2751	.304 8135	2
3	.481 4570	.482 5386	.483 6194	.484 6993	3
4	.608 5689	.610 1944	.611 8193	.613 4433	4
5	.707 6557	.709 8270	.711 9983	.714 1695	5
6	.789 0173	.791 7365	.794 4568	.797 1779	6
7	.858 1481	.861 4171	.864 6887	.867 9627	7
8	.918 3277	.922 1484	.925 9738	.929 8036	8
9	.971 6713	.976 0460	.980 4275	.984 8157	9
10	1.019 6234	1.024 5542	1.029 4943	1.034 4439	10
11	1.063 2145	1.068 7029	1.074 2041	1.079 7182	11
12	1.103 2049	1.109 2531	1.115 3179	1.121 3991	12
13	1.140 1725	1.146 7827	1.153 4133	1.160 0644	13
14	1.174 5662	1.181 7401	1.188 9392	1.196 1633	14
15	1.206 7422	1.214 4819	1.222 2517	1.230 0515	15
16	1.236 9870	1.245 2944	1.253 6377	1.262 0160	16
17	1.265 5356	1.274 4130	1.283 3319	1.292 2917	17
18	1.292 5827	1.302 0318	1.311 5288	1.321 0728	18
19	1.318 2908	1.328 3137	1.338 3910	1.348 5222	19
20	1.342 7976	1.353 3964	1.364 0567	1.374 7779	20
21	1.366 2209	1.377 3976	1.388 6432	1.399 9572	21
22	1.388 6622	1.400 4184	1.412 2518	1.424 1615	22
23	1.410 2084	1.422 5466	1.434 9702	1.447 4783	23
24	1.430 9367	1.443 8585	1.456 8748	1.469 9841	24
25	1.450 9138	1.464 4214	1.478 0326	1.491 7462	25
26	1.470 1991	1.484 2945	1.498 5031	1.512 8237	26
27	1.488 8451	1.503 5301	1.518 3387	1.533 2689	27
28	1.506 8985	1.522 1752	1.537 5859	1.553 1287	28
29	1.524 4012	1.540 2716	1.556 2868	1.572 4451	29
30	1.541 3906	1.557 8567	1.574 4790	1.591 2556	30
31	1.557 9008	1.574 9646	1.592 1964	1.609 5939	31
32	1.573 9626	1.591 6259	1.609 4694	1.627 4908	32
33	1.589 6035	1.607 8683	1.626 3261	1.644 9741	33
34	1.604 8489	1.623 7174	1.642 7918	1.662 0692	34
35	1.619 7222	1.639 1962	1.658 8895	1.678 7990	35
36	1.634 2442	1.654 3258	1.674 6404	1.695 1850	36
37	1.648 4346	1.669 1256	1.690 0641	1.711 2464	37
38	1.662 3112	1.683 6137	1.705 1782	1.727 0011	38
39	1.675 8905	1.697 8065	1.719 9995	1.742 4656	39
40	1.689 1878	1.711 7192	1.734 5430	1.757 6552	40
41	1.702 2171	1.725 3657	1.748 8228	1.772 5837	41
42	1.714 9915	1.738 7594	1.762 8521	1.787 2646	42
43	1.727 5232	1.751 9124	1.776 6430	1.801 7097	43
44	1.739 8235	1.764 8359	1.790 2068	1.815 9306	44
45	1.751 9029	1.777 5405	1.803 5541	1.829 9376	45
46	1.763 7714	1.790 0361	1.816 6947	1.843 7407	46
47	1.775 4381	1.802 3320	1.829 6378	1.857 3490	47
48	1.786 9118	1.814 4366	1.842 3922	1.870 7712	48
49	1.798 2004	1.826 3582	1.854 9658	1.884 0154	49
50	1.809 3117	1.838 1043	1.867 3663	1.897 0893	50

TABLE XIII.

$\log s_{\overline{n}|}$

n	1%	$1\frac{1}{4}\%$	$1\frac{1}{2}\%$	$1\frac{3}{4}\%$	n
51	1.820 2527	1.849 6823	1.879 6008	1.909 9997	51
52	1.831 0303	1.861 0987	1.891 6761	1.922 7538	52
53	1.841 6508	1.872 3599	1.903 5987	1.935 3576	53
54	1.852 1203	1.883 4719	1.915 3743	1.947 8173	54
55	1.862 4442	1.894 4404	1.927 0088	1.960 1384	55
56	1.872 6280	1.905 2708	1.938 5074	1.972 3263	56
57	1.882 6770	1.915 9681	1.949 8752	1.984 3862	57
58	1.892 5957	1.926 5372	1.961 1172	1.996 3227	58
59	1.902 3888	1.936 9827	1.972 2377	2.008 1405	59
60	1.912 0608	1.947 3087	1.983 2412	2.019 8438	60
61	1.921 6156	1.957 5196	1.994 1317	2.031 4367	61
62	1.931 0570	1.967 6191	2.004 9130	2.042 9234	62
63	1.940 3892	1.977 6111	2.015 5894	2.054 3073	63
64	1.949 6153	1.987 4990	2.026 1637	2.065 5920	64
65	1.058 7389	1.997 2864	2.036 6400	2.076 7809	65
66	1.967 7632	2.006 9762	2.047 0208	2.087 8773	66
67	1.976 6914	2.016 5720	2.057 3096	2.098 8841	67
68	1.985 5262	2.026 0762	2.067 5094	2.109 8045	68
69	1.994 2706	2.035 4921	2.077 6229	2.120 6410	69
70	2.002 9272	2.044 8218	2.087 6529	2.131 3966	70
71	2.011 4990	2.054 0685	2.097 6015	2.142 7033	71
72	2.019 9877	2.063 2342	2.107 4718	2.152 6744	72
73	2.028 3964	2.072 3216	2.117 2659	2.163 2016	73
74	2.036 7270	2.081 3329	2.126 9858	2.173 6573	74
75	2.044 9818	2.090 2704	2.136 6343	2.184 0440	75
76	2.053 1629	2.099 1358	2.146 2130	2.194 3633	76
77	2.061 2722	2.107 9313	2.155 7240	2.204 6174	77
78	2.069 3117	2.116 6591	2.165 1692	2.214 8083	78
79	2.077 2836	2.125 3208	2.174 5505	2.224 9376	79
80	2.085 1888	2.133 9180	2.183 8700	2.235 0075	80
81	2.093 0300	2.142 4529	2.193 1287	2.245 0193	81
82	2.100 8084	2.150 9267	2.202 3289	2.254 9749	82
83	2.108 5257	2.159 3415	2.211 4721	2.264 8758	83
84	2.116 1835	2.167 6983	2.220 5594	2.274 7234	84
85	2.123 7830	2.175 9991	2.229 5928	2.284 5194	85
86	2.131 3260	2.184 2449	2.238 5735	2.294 2649	86
87	2.138 8137	2.192 4372	2.247 5028	2.303 9616	87
88	2.146 2474	2.200 5774	2.256 3822	2.313 6106	88
89	2.153 6286	2.208 6670	2.265 2127	2.323 2132	89
90	2.160 9584	2.216 7068	2.273 9958	2.332 7707	90
91	2.168 2378	2.224 6982	2.282 7326	2.342 2845	91
92	2.175 4683	2.232 6426	2.291 4246	2.351 7553	92
93	2.182 6511	2.240 5407	2.300 0724	2.361 1844	93
94	2.189 7869	2.248 3941	2.308 6772	2.370 5730	94
95	2.196 8771	2.256 2033	2.317 2401	2.379 9219	95
96	2.203 9226	2.263 9698	2.325 7623	2.389 2323	96
97	2.210 9244	2.271 6943	2.334 2445	2.398 5051	97
98	2.217 8833	2.279 3778	2.342 6881	2.407 7413	98
99	2.224 8005	2.287 0213	2.351 0935	2.416 9417	99
100	2.231 6769	2.294 6255	2.359 4617	2.426 1073	100

TABLE XIII.

$log\ s_{\overline{n}|}$

n	2%	$2\frac{1}{4}\%$	$2\frac{1}{2}\%$	$2\frac{3}{4}\%$	n
1	.000 0000	.000 0000	.000 0000	.000 0000	1
2	.305 3514	.305 8885	.306 4250	.306 9609	2
3	.485 7782	.486 8563	.487 9334	.489 0096	3
4	.615 0666	.616 6893	.618 3112	.619 9325	4
5	.716 3407	.718 5116	.720 6825	.722 8532	5
6	.799 9000	.802 6230	.805 3470	.808 0718	6
7	.871 2391	.874 5179	.877 7991	.881 0826	7
8	.933 6376	.937 4759	.941 3184	.945 1651	8
9	.989 2107	.993 6123	.998 0203	1.002 4348	9
10	1.039 4030	1.044 3715	1.049 3491	1.054 3359	10
11	1.085 2447	1.090 7838	1.096 3352	1.101 8988	11
12	1.127 4964	1.133 6099	1.139 7391	1.145 8840	12
13	1.166 7359	1.173 4273	1.180 1386	1.186 8694	13
14	1.203 4120	1.210 6852	1.217 9825	1.225 3038	14
15	1.237 8808	1.245 7394	1.253 6269	1.261 5431	15
16	1.270 4292	1.278 8770	1.287 3588	1.295 8744	16
17	1.301 2920	1.310 3325	1.319 4128	1.328 5323	17
18	1.330 6635	1.340 3006	1.349 9833	1.359 7112	18
19	1.358 7067	1.368 9439	1.379 2331	1.389 5739	19
20	1.385 5593	1.396 4002	1.407 3001	1.418 2582	20
21	1.411 3388	1.422 7873	1.434 3018	1.445 8816	21
22	1.436 1465	1.448 2061	1.460 3393	1.472 5454	22
23	1.460 0699	1.472 7443	1.485 5004	1.498 3370	23
24	1.483 1858	1.496 4786	1.509 8614	1.523 3331	24
25	1.505 5610	1.519 4752	1.533 4894	1.547 6005	25
26	1.527 2548	1.541 7953	1.556 4437	1.571 1986	26
27	1.548 3197	1.563 4895	1.578 7767	1.594 1798	27
28	1.568 8024	1.584 6051	1.600 5351	1.616 5907	28
29	1.588 7448	1.605 1840	1.621 7608	1.638 4733	29
30	1.608 1844	1.625 2637	1.642 4913	1.659 8650	30
31	1.627 1552	1.644 8781	1.662 7604	1.680 7996	31
32	1.645 6878	1.664 0580	1.682 5988	1.701 3078	32
33	1.663 8099	1.682 8308	1.702 0343	1.721 4173	33
34	1.681 5470	1.701 2223	1.721 0921	1.741 1534	34
35	1.698 9221	1.719 2552	1.739 7954	1.760 5392	35
36	1.715 9563	1.736 9510	1.758 1653	1.779 5959	36
37	1.732 6692	1.754 3287	1.776 2212	1.798 3426	37
38	1.749 0785	1.771 4065	1.793 9810	1.816 7975	38
39	1.765 2008	1.788 2007	1.811 4610	1.834 9767	39
40	1.781 0512	1.804 7266	1.828 6763	1.852 8954	40
41	1.796 6439	1.820 9981	1.845 6413	1.870 5679	41
42	1.811 9918	1.837 0285	1.862 3688	1.888 0070	42
43	1.827 1072	1.852 8296	1.878 8710	1.905 2247	43
44	1.842 0014	1.868 4131	1.895 1590	1.922 2325	44
45	1.856 6849	1.883 7892	1.911 2436	1.939 0407	45
46	1.871 1674	1.898 9678	1.927 1344	1.955 6591	46
47	1.885 4583	1.913 9582	1.942 8405	1.972 0969	47
48	1.899 5662	1.928 7689	1.958 3707	1.988 3627	48
49	1.913 4991	1.943 4080	1.973 7330	2.004 4645	49
50	1.927 2646	1.957 8831	1.988 9349	2.020 4098	50

Logarithm of Amount of 1 per Annum at Compound Interest

TABLE XIII. $log\ s_{\overline{n}|}$

n	2%	$2\frac{1}{4}\%$	$2\frac{1}{2}\%$	$2\frac{3}{4}\%$	n
51	1.940 8699	1.972 2013	2.003 9836	2.036 2055	51
52	1.954 3216	1.986 3693	2.018 8855	2.051 8588	52
53	1.967 6262	2.000 3935	2.033 6473	2.067 3755	53
54	1.980 7897	2.014 2798	2.048 2747	2.082 7617	54
55	1.993 8175	2.028 0337	2.062 7734	2.098 0228	55
56	2.006 7153	2.041 6607	2.077 1487	2.113 1642	56
57	2.019 4877	2.055 1657	2.091 4055	2.128 1910	57
58	2.032 1399	2.068 5539	2.105 5487	2.143 1081	58
59	2.044 6761	2.081 8292	2.119 5828	2.157 9195	59
60	2.057 1012	2.094 9962	2.133 5121	2.172 6294	60
61	2.069 4186	2.108 0594	2.147 3405	2.187 2425	61
62	2.081 6324	2.121 0217	2.161 0720	2.201 7622	62
63	2.093 7466	2.133 8877	2.174 7100	2.216 1920	63
64	2.105 7645	2.146 6603	2.188 2583	2.230 5355	64
65	2.117 6894	2.159 3433	2.201 7201	2.244 7960	65
66	2.129 5246	2.171 9397	2.215 0987	2.258 9766	66
67	2.141 2731	2.184 4523	2.228 3970	2.273 0805	67
68	2.152 9377	2.196 8843	2.241 6177	2.287 1103	68
69	2.164 5217	2.209 2386	2.254 7640	2.301 0688	69
70	2.176 0272	2.221 5175	2.267 8381	2.314 9587	70
71	2.187 4572	2.233 7238	2.280 8427	2.328 7825	71
72	2.198 8137	2.245 8597	2.293 7803	2.342 5422	72
73	2.210 0995	2.257 9278	2.306 6531	2.356 2406	73
74	2.221 3164	2.269 9299	2.319 4631	2.369 8796	74
75	2.232 4669	2.281 8688	2.332 2127	2.383 4611	75
76	2.243 5529	2.293 7458	2.344 9038	2.396 9875	76
77	2.254 5765	2.305 5634	2.357 5385	2.410 4603	77
78	2.265 5394	2.317 3233	2.370 1183	2.423 8818	78
79	2.276 4436	2.329 0273	2.382 6455	2.437 2533	79
80	2.287 2909	2.340 6772	2.395 1213	2.450 5768	80
81	2.298 0829	2.352 2745	2.407 5477	2.463 8537	81
82	2.308 8212	2.363 8211	2.419 9261	2.477 0857	82
83	2.319 5074	2.375 3183	2.432 2581	2.490 2743	83
84	2.330 1429	2.386 7678	2.444 5453	2.503 4208	84
85	2.340 7294	2.398 1708	2.456 7888	2.516 5268	85
86	2.351 2681	2.409 5289	2.468 9901	2.529 5934	86
87	2.361 7606	2.420 8433	2.481 1507	2.542 6220	87
88	2.372 2079	2.432 1153	2.493 2716	2.555 6138	88
89	2.382 6114	2.443 3462	2.505 3541	2.568 5700	89
90	2.392 9723	2.454 5370	2.517 3995	2.581 4917	90
91	2.403 2917	2.465 6893	2.529 4086	2.594 3801	91
92	2.413 5710	2.476 8037	2.541 3828	2.607 2361	92
93	2.423 8109	2.487 8815	2.553 3231	2.620 0608	93
94	2.434 0127	2.498 9237	2.565 2303	2.632 8552	84
95	2.444 1776	2.509 9314	2.577 1058	2.645 6203	95
96	2.454 3061	2.520 9055	2.588 9500	2.658 3569	96
97	2.464 3995	2.531 8470	2.600 7642	2.671 0660	97
98	2.474 4586	2.542 7567	2.612 5493	2.683 7484	98
99	2.484 4844	2.553 6355	2.624 3059	2.696 4047	99
100	2.494 4777	2.564 4843	2.636 0350	2.709 0361	100

Logarithm of Amount of 1 Per Annum at Compound Interest

TABLE XIII. $\log s_{\overline{n}|}$

n	3%	3½%	4%	4½%	n
1	.000 0000	.000 0000	.000 0000	.000 0000	1
2	.307 4960	.308 5644	.309 6302	.310 6933	2
3	.490 0850	.492 2329	.494 3773	.496 5180	3
4	.621 5530	.624 7917	.628 0274	.631 2602	4
5	.725 0238	.729 3645	.733 7045	.738 0437	5
6	.810 7976	.816 2513	.821 7084	.827 1684	6
7	.884 3683	.890 9465	.897 5333	.904 1284	7
8	.949 0159	.956 7296	.964 4588	.972 2034	8
9	1.006 8555	1.015 7158	1.024 6004	1.033 5088	9
10	1.059 3316	1.069 3496	1.079 4022	1.089 4886	10
11	1.107 4744	1.118 6612	1.129 8945	1.141 1731	11
12	1.152 0445	1.164 4112	1.176 8378	1.189 3227	12
13	1.193 6196	1.207 1772	1.220 8097	1.234 5151	13
14	1.232 6486	1.247 4083	1.262 2591	1.277 1990	14
15	1.269 4876	1.285 4601	1.301 5419	1.317 7302	15
16	1.304 4233	1.321 6197	1.338 9450	1.356 3956	16
17	1.337 6906	1.356 1218	1.374 7028	1.393 4296	17
18	1.369 4837	1.389 1606	1.409 0097	1.429 0265	18
19	1.399 9655	1.420 8990	1.442 0285	1.463 3488	19
20	1.429 2737	1.451 4745	1.473 8966	1.496 5342	20
21	1.457 5259	1.481 0048	1.504 7318	1.528 7000	21
22	1.484 8233	1.509 5910	1.534 6348	1.559 9470	22
23	1.511 2533	1.537 3205	1.563 6933	1.590 3628	23
24	1.536 8925	1.564 2698	1.591 9835	1.620 0235	24
25	1.561 8079	1.590 5059	1.619 5723	1.648 9960	25
26	1.586 0587	1.616 0878	1.646 5189	1.677 3391	26
27	1.609 6972	1.641 0680	1.672 8754	1.705 1050	27
28	1.632 7702	1.665 4931	1.698 6883	1.732 3402	28
29	1.655 3195	1.689 4047	1.723 9995	1.759 0861	29
30	1.677 3826	1.712 8405	1.748 8462	1.785 3802	30
31	1.698 9934	1.735 8342	1.773 2621	1.811 2558	31
32	1.720 1821	1.758 4160	1.797 2777	1.836 7433	32
33	1.740 9769	1.780 6141	1.820 9205	1.861 8702	33
34	1.761 4029	1.802 4532	1.844 2155	1.886 6613	34
35	1.781 4831	1.823 9566	1.867 1858	1.911 1396	35
36	1.801 2386	1.845 1452	1.889 8523	1.935 3257	36
37	1.820 6888	1.866 0383	1.912 2340	1.959 2387	37
38	1.839 8515	1.886 6537	1.934 3486	1.982 8960	38
39	1.858 7431	1.907 0076	1.956 2124	2.006 3138	39
40	1.877 3786	1.927 1150	1.977 8402	2.029 5068	40
41	1.895 7721	1.946 9900	1.999 2460	2.052 4889	41
42	1.913 9366	1.966 6455	2.020 4425	2.075 2724	42
43	1.931 8843	1.986 0935	2.041 4416	2.097 8692	43
44	1.949 6262	2.005 3449	2.062 2543	2.120 2903	44
45	1.967 1727	2.024 4104	2.082 8908	2.142 5458	45
46	1.984 5339	2.043 2994	2.103 3608	2.164 6449	46
47	2.001 7186	2.062 0213	2.123 6732	2.186 5965	47
48	2.018 7354	2.080 5841	2.143 8364	2.208 4089	48
49	2.035 5924	2.098 9960	2.163 8580	2.230 0895	49
50	2.052 2970	2.117 2644	2.183 7454	2.251 6456	50

TABLE XIII.

$log\ s_{\overline{n}|}$

n	3%	3½%	4%	4½%	n
51	2.068 8564	2.135 3960	2.203 5055	2.273 0839	51
52	2.085 2770	2.153 3977	2.223 1445	2.294 4106	52
53	2.101 5652	2.171 2755	2.242 6688	2.315 6315	53
54	2.117 7269	2.189 0355	2.262 0840	2.336 7526	54
55	2.133 7676	2.206 6826	2.281 3951	2.357 7786	55
56	2.149 6925	2.224 2222	2.300 6074	2.378 7145	56
57	2.165 5066	2.241 6592	2.319 7259	2.399 5648	57
58	2.181 2145	2.258 9984	2.338 7546	2.420 3342	58
59	2.196 8210	2.276 2439	2.357 6980	2.441 0264	59
60	2.212 3298	2.293 3999	2.376 5599	2.461 6456	60
61	2.227 7453	2.310 4702	2.395 3444	2.482 1950	61
62	2.243 0713	2.327 4586	2.414 0548	2.502 6783	62
63	2.258 3110	2.344 3686	2.432 6948	2.523 0988	63
64	2.273 4682	2.361 2037	2.451 2673	2.543 4594	64
65	2.288 5461	2.377 9668	2.469 7754	2.563 7631	65
66	2.303 5474	2.394 6611	2.488 2222	2.584 0127	66
67	2.318 4757	2.411 2893	2.506 6103	2.604 2107	67
68	2.333 3335	2.427 8541	2.524 9422	2.624 3596	68
69	2.348 1235	2.444 3583	2.543 2206	2.644 4618	69
70	2.362 8482	2.460 8045	2.561 4478	2.664 5195	70
71	2.377 5100	2.477 1946	2.579 6260	2.684 5346	71
72	2.392 1114	2.493 5312	2.597 7572	2.704 5093	72
73	2.406 6548	2.509 8163	2.615 8436	2.724 4455	73
74	2.241 1419	2.526 0519	2.633 8872	2.744 3449	74
75	2.435 5750	2.542 2402	2.651 8896	2.764 2093	75
76	2.449 9560	2.558 3828	2.669 8527	2.784 0402	76
77	2.464 2869	2.574 4816	2.687 7783	2.803 8393	77
78	2.478 5693	2.590 5383	2.705 6677	2.823 6079	78
79	2.492 8052	2.606 5544	2.723 5227	2.843 3476	79
80	2.506 9958	2.622 5319	2.741 3446	2.863 0596	80
81	2.521 1432	2.638 4718	2.759 1349	2.882 7452	81
82	2.535 2485	2.654 3757	2.776 8947	2.902 4055	82
83	2.549 3134	2.670 2451	2.794 6254	2.922 0418	83
84	2.563 3392	2.686 0810	2.812 3284	2.941 6551	84
85	2.577 3274	2.701 8850	2.830 0045	2.961 2465	85
86	2.591 2791	2.717 6582	2.847 6550	2.980 8169	86
87	2.605 1955	2.733 4016	2.865 2811	3.000 3674	87
88	2.619 0781	2.749 1166	2.882 8835	3.019 8987	88
89	2.632 9277	2.764 8040	2.900 4634	3.039 4118	89
90	2.646 7456	2.780 4649	2.918 0215	3.058 9075	90
91	2.660 5329	2.796 1003	2.935 5589	3.078 3865	91
92	2.674 2904	2.811 7112	2.953 0764	3.097 8497	92
93	2.688 0193	2.827 2984	2.970 5747	3.117 2975	93
94	2.701 7205	2.842 8628	2.988 0547	3.136 7310	94
95	2.715 3948	2.858 4052	3.005 5171	3.156 1505	95
96	2.729 0433	2.873 9265	3.022 9625	3.175 5567	96
97	2.742 6668	2.889 4276	3.040 3918	3.194 9503	97
98	2.756 2659	2.904 9088	3.057 8055	3.214 3319	98
99	2.769 8415	2.920 3712	3.075 2042	3.233 7018	99
100	2.783 3944	2.935 8153	3.092 5886	3.253 0606	100

Logarithm of Amount of 1 Per Annum at Compound Interest

TABLE XIII. $\log s_{\overline{n}|}$

n	5%	5½%	6%	7%	n
1	.000 0000	.000 0000	.000 0000	.000 0000	1
2	.311 7539	.312 8118	.313 8672	.315 9703	2
3	.498 6551	.500 7886	.502 9185	.507 1675	3
4	.634 4898	.637 7164	.640 9399	.647 3774	4
5	.742 3819	.746 7191	.751 0552	.759 7236	5
6	.832 6310	.838 0963	.843 5640	.854 5058	6
7	.910 7316	.917 3424	.923 9606	.937 2180	7
8	.979 9628	.987 7365	.995 5241	1.011 1390	8
9	1.042 4402	1.051 3941	1.060 3697	1.078 3839	9
10	1.099 6079	1.109 7592	1.119 9416	1.140 3964	10
11	1.152 4959	1.163 8617	1.175 2694	1.198 2061	11
12	1.201 8647	1.214 4621	1.227 1136	1.252 5728	12
13	1.248 2917	1.262 1377	1.276 0512	1.304 0733	13
14	1.292 2258	1.307 3371	1.322 5308	1.353 1559	14
15	1.334 0226	1.350 4160	1.366 9077	1.400 1756	15
16	1.373 9687	1.391 6608	1.409 4686	1.445 4182	16
17	1.412 2959	1.431 3059	1.450 4475	1.489 1175	17
18	1.449 2065	1.469 5452	1.490 0379	1.531 4665	18
19	1.484 8549	1.506 5412	1.528 4023	1.572 6273	19
20	1.519 3811	1.542 4310	1.565 6778	1.612 7361	20
21	1.552 9024	1.577 3318	1.601 9810	1.651 9094	21
22	1.585 5195	1.611 3442	1.637 4126	1.690 2470	22
23	1.617 3199	1.644 5552	1.672 0593	1.727 8351	23
24	1.648 3795	1.677 0409	1.705 9969	1.764 7489	24
25	1.678 7650	1.708 8676	1.739 2915	1.801 0539	25
26	1.708 5353	1.740 0939	1.772 0016	1.836 8080	26
27	1.737 7421	1.770 7718	1.804 1787	1.872 0620	27
28	1.766 4321	1.800 9473	1.835 8688	1.906 8611	28
29	1.794 6464	1.830 6615	1.867 1126	1.941 2456	29
30	1.822 4221	1.859 9514	1.897 9468	1.975 2515	30
31	1.849 7927	1.888 8500	1.928 4045	2.008 9111	31
32	1.876 7882	1.917 3873	1.958 5150	2.042 2531	32
33	1.903 4361	1.945 5905	1.988 3054	2.075 3039	33
34	1.929 7609	1.973 4841	2.017 8000	2.108 0870	34
35	1.955 7854	2.001 0903	2.047 0207	2.140 6239	35
36	1.981 5302	2.028 4297	2.075 9879	2.172 9340	36
37	2.007 0140	2.055 5207	2.104 7196	2.205 0349	37
38	2.032 2544	2.082 3808	2.133 2329	2.236 9427	38
39	2.057 2667	2.109 0252	2.161 5431	2.268 6723	39
40	2.082 0661	2.135 4685	2.189 6642	2.300 2369	40
41	2.106 6660	2.161 7241	2.217 6094	2.331 6491	41
42	2.131 0786	2.187 8039	2.245 3906	2.362 9200	42
43	2.155 3158	2.213 7196	2.273 0188	2.394 0600	43
44	2.179 3880	2.239 4814	2.300 5042	2.425 0789	44
45	2.203 3053	2.265 0990	2.327 8563	2.455 9852	45
46	2.227 0769	2.290 5815	2.355 0838	2.486 7871	46
47	2.250 7113	2.315 9373	2.382 1947	2.517 4920	47
48	2.274 2165	2.341 1740	2.409 1966	2.548 1069	48
49	2.297 6000	2.366 2990	2.436 0965	2.578 6281	49
50	2.320 8688	2.391 3189	2.462 9008	2.609 0915	50

TABLE XIII.

$log\ s_{\overline{n}|}$

n	5%	5½%	6%	7%	n
51	2.344 0293	2.416 2399	2.489 6155	2.639 4725	51
52	2.367 0877	2.441 0682	2.516 2462	2.669 7862	52
53	2.390 0497	2.465 8092	2.542 7983	2.700 0373	53
54	2.412 9205	2.490 4677	2.569 2767	2.730 2300	54
55	2.435 7052	2.515 0488	2.595 6858	2.760 3686	55
56	2.458 4084	2.539 5568	2.622 0297	2.790 4566	56
57	2.481 0349	2.563 9961	2.648 3128	2.820 4973	57
58	2.503 5883	2.588 3705	2.674 5385	2.850 4944	58
59	2.526 0729	2.612 6838	2.700 7103	2.880 4504	59
60	2.548 4922	2.636 9394	2.726 8316	2.910 3684	60
61	2.570 8497	2.661 1405	2.752 9053	2.940 2508	61
62	2.593 1486	2.685 2902	2.778 9343	2.970 1001	62
63	2.615 3922	2.709 3915	2.804 9213	2.999 9185	63
64	2.637 5831	2.733 4471	2.830 8686	3.029 7081	64
65	2.659 7242	2.757 4593	2.856 7789	3.059 4707	65
66	2.681 8180	2.781 4307	2.882 6541	3.089 2082	66
67	2.703 8670	2.805 3636	2.908 4965	3.118 9224	67
68	2.725 8735	2.829 2600	2.934 3079	3.148 6148	68
69	2.747 8396	2.853 1220	2.960 0901	3.178 2866	69
70	2.769 7674	2.876 9513	2.985 8449	3.207 9396	70
71	2.791 6590	2.900 7499	3.011 5737	3.237 5748	71
72	2.813 5160	2.924 5194	3.037 2785	3.267 1934	72
73	2.835 3403	2.948 2614	3.062 9602	3.296 7965	73
74	2.857 1335	2.971 9773	3.088 6203	3.326 3851	74
75	2.878 8971	2.995 6687	3.114 2602	3.355 9603	75
76	2.900 6328	3.019 3367	3.139 8809	3.385 5229	76
77	2.922 3416	3.042 9828	3.165 4835	3.415 0736	77
78	2.944 0253	3.066 6079	3.191 0692	3.444 6135	78
79	2.965 6848	3.090 2134	3.216 6389	3.474 1431	79
80	2.987 3215	3.113 8001	3.242 1935	3.503 6630	80
81	3.008 9366	3.137 3693	3.267 7338	3.533 1741	81
82	3.030 5308	3.160 9216	3.293 2608	3.562 6767	82
83	3.052 1055	3.184 4582	3.318 7751	3.592 1716	83
84	3.073 6614	3.207 9797	3.344 2776	3.621 6592	84
85	3.095 1997	3.231 4872	3.369 7689	3.651 1400	85
86	3.116 7210	3.254 9811	3.395 2496	3.680 6144	86
87	3.138 2264	3.278 4624	3.420 7204	3.710 0828	87
88	3.159 7164	3.301 9316	3.446 1817	3.739 5457	88
89	3.181 1920	3.325 3894	3.471 6342	3.769 0034	89
90	3.202 6538	3.348 8364	3.497 0784	3.798 4563	90
91	3.224 1024	3.372 2731	3.522 5146	3.827 9046	91
92	3.245 5384	3.395 7003	3.547 9435	3.857 3487	92
93	3.266 9627	3.419 1183	3.573 3653	3.886 7889	93
94	3.288 3756	3.442 5275	3.598 7807	3.916 2253	94
95	3.309 7778	3.465 9285	3.624 1896	3.945 6583	95
96	3.331 1697	3.489 3218	3.649 5929	3.975 0881	96
97	3.352 5519	3.512 7076	3.674 9906	4.004 5148	97
98	3.373 9249	3.536 0865	3.700 3830	4.033 9388	98
99	3.395 2889	3.559 4587	3.725 7705	4.063 3601	99
100	3.416 6447	3.582 8247	3.751 1534	4.902 7789	100

Logarithm of Present Value of 1 per Annum at Compound Interest

TABLE XIV. $\log a_{\overline{n}|}$

n	1%	$1\frac{1}{4}\%$	$1\frac{1}{2}\%$	$1\frac{3}{4}\%$	n
1	9.995 6786	9.994 6049	9.993 5339	9.992 4656	1
2	0.294 5533	0.292 9457	0.291 3429	0.289 7447	2
3	0.468 4928	0.466 3535	0.464 2213	0.462 0960	3
4	0.591 2834	0.588 6142	0.585 9551	0.583 3056	4
5	0.686 0488	0.682 8519	0.679 6682	0.676 4975	5
6	0.763 0891	0.759 3663	0.755 6605	0.751 9714	6
7	0.827 8985	0.823 6519	0.819 4264	0.815 2218	7
8	0.883 7567	0.878 9882	0.874 2455	0.869 5282	8
9	0.932 7790	0.927 4906	0.922 2332	0.917 0060	9
10	0.976 4098	0.970 6037	0.964 8338	0.959 0998	10
11	1.015 6795	1.009 3574	1.003 0777	0.996 8395	11
12	1.051 3485	1.044 5127	1.037 7254	1.030 9861	12
13	1.083 9946	1.076 6473	1.069 3547	1.062 1170	13
14	1.114 0669	1.106 2096	1.098 4146	1.090 6814	14
15	1.141 9215	1.133 5564	1.125 2611	1.117 0352	15
16	1.167 8449	1.158 9740	1.150 1810	1.141 4654	16
17	1.192 0723	1.182 6976	1.173 4092	1.164 2065	17
18	1.214 7980	1.204 9213	1.195 1399	1.185 4533	18
19	1.236 1846	1.225 8081	1.215 5363	1.205 3683	19
20	1.256 3701	1.245 4959	1.234 7359	1.224 0895	20
21	1.275 4721	1.264 1018	1.252 8563	1.241 7345	21
22	1.293 5919	1.281 7277	1.269 9989	1.258 4043	22
23	1.310 8168	1.298 4609	1.286 2512	1.274 1866	23
24	1.327 2237	1.314 3777	1.301 6897	1.289 1582	24
25	1.342 8796	1.329 5457	1.316 3816	1.303 3859	25
26	1.357 8434	1.344 0236	1.330 3860	1.316 9288	26
27	1.372 1681	1.357 8643	1.343 7555	1.329 8396	27
28	1.385 8999	1.371 1144	1.356 5367	1.342 1651	28
29	1.399 0814	1.383 8157	1.368 7716	1.353 9471	29
30	1.411 7494	1.396 0056	1.380 4978	1.365 2230	30
31	1.423 9383	1.407 7186	1.391 7490	1.376 0269	31
32	1.435 6785	1.418 9848	1.402 5561	1.386 3894	32
33	1.446 9981	1.429 8323	1.412 9467	1.396 3384	33
34	1.457 9223	1.440 2864	1.422 9464	1.405 8990	34
35	1.468 4740	1.450 3701	1.432 5780	1.415 0945	35
36	1.478 6748	1.460 1047	1.441 8629	1.423 9459	36
37	1.488 5437	1.469 5094	1.450 8205	1.432 4729	37
38	1.498 0990	1.478 6026	1.459 4687	1.440 6932	38
39	1.507 3570	1.487 4002	1.467 8238	1.448 6233	39
40	1.516 3329	1.495 9178	1.475 9013	1.456 2784	40
41	1.525 0407	1.504 1695	1.483 7150	1.463 6726	41
42	1.533 4937	1.512 1681	1.491 2783	1.470 8190	42
43	1.541 7041	1.519 9260	1.498 6032	1.477 7297	43
44	1.549 6830	1.527 4545	1.505 7010	1.484 4162	44
45	1.557 4411	1.534 7641	1.512 5822	1.490 8888	45
46	1.564 9883	1.541 8647	1.519 2567	1.497 1574	46
47	1.572 3336	1.548 7654	1.525 7339	1.503 2313	47
48	1.579 4858	1.555 4751	1.532 0221	1.509 1191	48
49	1.586 4531	1.562 0017	1.538 1297	1.514 8290	49
50	1.593 2430	1.568 3528	1.544 0641	1.520 3684	50

TABLE XIV.

$\log a_{\overline{n}|}$

n	1%	$1\frac{1}{4}\%$	$1\frac{1}{2}\%$	$1\frac{3}{4}\%$	n
51	1.599 8627	1.574 5356	1.549 8326	1.525 7444	51
52	1.606 3189	1.580 5570	1.555 4419	1.530 9641	52
53	1.612 6180	1.586 4232	1.560 8985	1.536 0335	53
54	1.618 7660	1.592 1401	1.566 2080	1.540 9588	54
55	1.624 7686	1.597 7137	1.571 3764	1.545 7455	55
56	1.630 6310	1.603 1490	1.576 4091	1.550 3989	56
57	1.636 3587	1.608 4513	1.581 3109	1.554 9244	57
58	1.641 9560	1.613 6253	1.586 0868	1.559 3266	58
59	1.647 4278	1.618 6757	1.590 7411	1.563 6099	59
60	1.652 7783	1.623 6068	1.595 2786	1.567 7788	60
61	1.658 0117	1.628 4226	1.599 7031	1.571 8373	61
62	1.663 1319	1.633 1271	1.604 0185	1.575 7895	62
63	1.668 1426	1.637 7241	1.608 2287	1.579 6389	63
64	1.673 0473	1.642 2170	1.612 3371	1.583 3893	64
65	1.677 8496	1.646 6094	1.616 3472	1.587 0438	65
66	1.682 5526	1.650 9042	1.620 2620	1.590 6058	66
67	1.687 1593	1.655 1048	1.624 0849	1.594 0782	67
68	1.691 6728	1.659 2141	1.627 8186	1.597 4640	68
69	1.696 0959	1.663 2348	1.631 4660	1.600 7662	69
70	1.700 4311	1.667 1697	1.635 0298	1.603 9872	70
71	1.704 6814	1.671 0212	1.638 5126	1.607 1297	71
72	1.708 8489	1.674 7920	1.641 9168	1.610 1963	72
73	1.712 9362	1.678 4844	1.645 2448	1.613 1891	73
74	1.716 9454	1.682 1006	1.648 4987	1.616 1105	74
75	1.720 8788	1.685 6429	1.651 6811	1.618 9626	75
76	1.724 7385	1.689 1134	1.654 7937	1.621 7474	76
77	1.728 5263	1.692 5139	1.657 8387	1.624 4671	77
78	1.732 2446	1.695 8466	1.660 8179	1.627 1236	78
79	1.735 8949	1.699 1132	1.663 7332	1.629 7186	79
80	1.739 4790	1.702 3155	1.666 5865	1.632 2540	80
81	1.742 9988	1.705 4553	1.669 3793	1.634 7315	81
82	1.746 4558	1.708 5342	1.672 1135	1.637 1527	82
83	1.749 8517	1.711 5538	1.674 7905	1.639 5190	83
84	1.753 1880	1.714 5157	1.677 4119	1.641 8322	84
85	1.756 4662	1.717 4213	1.679 9792	1.644 0938	85
86	1.759 6878	1.720 2721	1.682 4938	1.646 3050	86
87	1.762 8541	1.723 0694	1.684 9571	1.648 4673	87
88	1.765 9665	1.725 8147	1.687 3704	1.650 5818	88
89	1.769 0262	1.728 5091	1.689 7350	1.652 6500	89
90	1.772 0346	1.731 1538	1.692 0520	1.654 6732	90
91	1.774 9927	1.733 7504	1.694 3229	1.656 6524	91
92	1.777 9019	1.736 2997	1.696 5486	1.658 5888	92
93	1.780 7632	1.738 8028	1.698 7304	1.660 4835	93
94	1.783 5778	1.741 2610	1.700 8692	1.662 3376	94
95	1.786 3465	1.743 6754	1.702 9662	1.664 1522	95
96	1.789 0707	1.746 0467	1.705 0223	1.665 9281	96
97	1.791 7511	1.748 3762	1.707 0385	1.667 6665	97
98	1.794 3887	1.750 6646	1.709 0159	1.669 3684	98
99	1.796 9846	1.752 9131	1.710 9552	1.671 0343	99
100	1.799 5395	1.755 1224	1.712 8575	1.672 6655	100

Logarithm of Present Value of 1 per Annum at Compound Interest

TABLE XIV. $\log a_{\overline{n}|}$

n	2%	2¼%	2½%	2¾%	n
1	9.991 3999	9.990 3366	9.989 2761	9.988 2182	1
2	0.288 1510	0.286 5619	0.284 9773	0.283 3972	2
3	0.459 9777	0.457 8663	0.455 7618	0.453 6641	3
4	0.580 6660	0.578 0361	0.575 4158	0.572 8051	4
5	0.673 3398	0.670 1951	0.667 0632	0.663 9441	5
6	0.748 2990	0.744 6432	0.741 0038	0.737 3808	6
7	0.811 0379	0.806 8747	0.802 7321	0.798 6098	7
8	0.864 8362	0.860 1693	0.855 5275	0.850 9104	8
9	0.911 8092	0.906 6424	0.901 5055	0.896 3982	9
10	0.953 4014	0.947 7383	0.942 1105	0.936 5176	10
11	0.990 6429	0.984 4873	0.978 3727	0.972 2987	11
12	1.024 2944	1.017 6501	1.011 0528	1.004 5021	12
13	1.054 9336	1.047 8042	1.040 7283	1.033 7056	13
14	1.083 0096	1.075 3988	1.067 8484	1.060 3581	14
15	1.108 8782	1.100 7897	1.092 7690	1.084 8157	15
16	1.132 8265	1.124 2639	1.115 7770	1.107 3651	16
17	1.155 0891	1.146 0562	1.137 1071	1.128 2413	17
18	1.175 8605	1.166 3609	1.156 9537	1.147 6382	18
19	1.195 3035	1.185 3409	1.175 4796	1.165 7190	19
20	1.213 5558	1.203 1339	1.192 8228	1.182 6215	20
21	1.230 7352	1.219 8576	1.209 1006	1.198 4631	21
22	1.246 9427	1.235 6131	1.224 4143	1.213 3451	22
23	1.262 2660	1.250 4881	1.238 8515	1.227 3549	23
24	1.276 7817	1.264 5589	1.252 4886	1.240 5691	24
25	1.290 5567	1.277 8929	1.265 3928	1.253 0548	25
26	1.303 6504	1.290 5491	1.277 6232	1.264 8710	26
27	1.316 1151	1.302 5799	1.289 2323	1.276 0704	27
28	1.327 9975	1.314 0322	1.300 2669	1.286 6995	28
29	1.339 3398	1.324 9478	1.310 7687	1.296 8002	29
30	1.350 1793	1.335 3642	1.320 7753	1.306 4100	30
31	1.360 5499	1.345 3153	1.330 3206	1.315 5628	31
32	1.370 4823	1.354 8319	1.339 4351	1.324 2892	32
33	1.380 0042	1.363 9414	1.348 1467	1.332 6168	33
34	1.389 1411	1.372 6695	1.356 4807	1.340 5712	34
35	1.397 9160	1.381 0391	1.364 4601	1.348 1751	35
36	1.406 3501	1.389 0716	1.372 1061	1.355 4499	36
37	1.414 4628	1.396 7860	1.379 4382	1.362 4149	37
38	1.422 2720	1.404 2005	1.386 4740	1.369 0879	38
39	1.429 7941	1.411 3313	1.393 2302	1.375 4853	39
40	1.437 0443	1.418 1939	1.399 7217	1.381 6222	40
41	1.444 0368	1.424 8022	1.405 9628	1.387 5128	41
42	1.450 7846	1.431 1692	1.411 9665	1.393 1700	42
43	1.457 2998	1.437 3070	1.417 7447	1.398 6060	43
44	1.463 5938	1.443 2271	1.423 3089	1.403 8319	44
45	1.469 6772	1.448 9399	1.428 6696	1.408 8583	45
46	1.475 5596	1.454 4553	1.433 8365	1.413 6948	46
47	1.481 2503	1.459 7823	1.438 8188	1.418 3509	47
48	1.486 7580	1.464 9297	1.443 6252	1.422 8349	48
49	1.492 0907	1.469 9054	1.448 2636	1.427 1548	49
50	1.497 2560	1.474 7172	1.452 7417	1.431 3182	50

Logarithm of Present Value of 1 per Annum at Compound Interest

TABLE XIV.

$\log a_{\overline{n}|}$

n	2%	2¼%	2½%	2¾%	n
51	1.502 2611	1.479 3721	1.457 0664	1.435 3322	51
52	1.507 1127	1.483 8769	1.461 2445	1.439 2036	52
53	1.511 8171	1.488 2377	1.465 2824	1.442 9384	53
54	1.516 3803	1.492 4606	1.469 1860	1.446 5428	54
55	1.520 8081	1.496 5512	1.472 9608	1.450 0221	55
56	1.525 1056	1.500 5150	1.476 6122	1.453 3817	56
57	1.529 2779	1.504 3567	1.480 1452	1.456 6268	57
58	1.533 3300	1.508 0814	1.483 5646	1.459 7619	58
59	1.537 2661	1.511 6935	1.486 8747	1.462 7915	59
60	1.541 0909	1.515 1973	1.490 0802	1.465 7197	60
61	1.544 8081	1.518 5970	1.493 1847	1.468 5508	61
62	1.548 4218	1.521 8962	1.496 1922	1.471 2886	62
63	1.551 9357	1.525 0987	1.499 1064	1.473 9366	63
64	1.555 3534	1.528 2081	1.501 9309	1.476 4983	64
65	1.558 6782	1.531 2277	1.504 6689	1.478 9770	65
66	1.561 9132	1.534 1608	1.507 3235	1.481 3758	66
67	1.565 0615	1.537 0101	1.509 8980	1.483 6979	67
68	1.568 1261	1.539 7789	1.512 3950	1.485 9458	68
69	1.571 1098	1.542 4697	1.514 8172	1.488 1226	69
70	1.574 0152	1.545 0852	1.517 1676	1.490 2306	70
71	1.576 8449	1.547 6282	1.519 4483	1.492 2725	71
72	1.579 6013	1.550 1009	1.521 6620	1.494 2504	72
73	1.582 2869	1.552 5056	1.523 8108	1.496 1670	73
74	1.584 9037	1.554 8445	1.525 8971	1.498 0240	74
75	1.587 4540	1.557 1200	1.527 9228	1.499 8239	75
76	1.589 9399	1.559 3338	1.529 8900	1.501 5683	76
77	1.592 2632	1.561 4879	1.531 8008	1.503 2595	77
78	1.594 7260	1.563 5846	1.533 6569	1.504 8989	78
79	1.597 0301	1.565 6252	1.535 4600	1.506 4888	79
80	1.599 2771	1.567 6118	1.537 2121	1.508 0303	80
81	1.601 4689	1.569 5459	1.538 9146	1.509 5255	81
82	1.603 6071	1.571 4291	1.540 5692	1.510 9757	82
83	1.605 6931	1.573 2630	1.542 1774	1.512 3824	83
84	1.607 7285	1.575 0492	1.543 7405	1.513 7471	84
85	1.609 7148	1.576 7890	1.545 2602	1.515 0712	85
86	1.611 6534	1.578 4837	1.546 7377	1.516 3560	86
87	1.613 5456	1.580 1347	1.548 1744	1.517 6027	87
88	1.615 3928	1.581 7434	1.549 5715	1.518 8128	88
89	1.617 1961	1.583 3110	1.550 9301	1.519 9871	89
90	1.618 9568	1.584 8386	1.552 2515	1.521 1269	90
91	1.620 6761	1.586 3275	1.553 5369	1.522 2335	91
92	1.622 3551	1.387 7785	1.554 7873	1.523 3077	92
93	1.623 9950	1.589 1931	1.556 0037	1.524 3507	93
94	1.625 5965	1.590 5720	1.557 1871	1.525 3632	94
95	1.627 1612	1.591 9164	1.558 3385	1.526 3465	95
96	1.628 6895	1.593 2272	1.559 4590	1.527 3012	96
97	1.630 1828	1.594 5053	1.560 5493	1.528 2284	97
98	1.631 6419	1.595 7517	1.561 6104	1.529 1290	98
99	1.633 0675	1.596 9672	1.562 6433	1.530 0036	99
100	1.634 4606	1.598 1527	1.563 6484	1.530 8531	100

TABLE XIV.

$\log a_{\overline{n}|}$

n	3%	$3\frac{1}{2}\%$	4%	$4\frac{1}{2}\%$	n
1	9.987 1628	9.985 0596	9.982 9667	9.980 8837	1
2	0.281 8216	0.278 6837	0.275 5635	0.272 4607	2
3	0.451 5733	0.447 4118	0.443 2772	0.439 1691	3
4	0.570 2040	0.565 0303	0.559 8941	0.554 7950	4
5	0.660 8377	0.654 6628	0.648 5378	0.642 4622	5
6	0.733 7742	0.726 6093	0.719 5084	0.712 4706	6
7	0.794 5078	0.786 3640	0.778 2999	0.770 3144	7
8	0.846 3181	0.837 2067	0.828 1922	0.819 2732	8
9	0.891 3205	0.881 2526	0.871 3003	0.861 4621	9
10	0.930 9593	0.919 9461	0.909 0688	0.898 3257	10
11	0.966 2649	0.954 3173	0.942 5277	0.930 8939	11
12	0.997 9978	1.985 1270	0.972 4377	0.959 9273	12
13	1.026 7357	1.012 9527	0.999 3763	0.986 0033	13
14	1.052 9275	1.308 2433	1.023 7924	1.009 5710	14
15	1.076 9292	1.061 3549	1.046 0418	1.030 9859	15
16	1.099 0277	1.082 5742	1.066 4115	1.050 5350	16
17	1.119 4578	1.102 1359	1.085 1360	1.068 4527	17
18	1.138 4136	1.120 2343	1.102 4096	1.084 9332	18
19	1.156 0582	1.137 0323	1.118 3950	1.100 1393	19
20	1.172 5293	1.152 6675	1.133 2299	1.114 2084	20
21	1.187 9442	1.167 2574	1.147 0317	1.127 2579	21
22	1.202 4043	1.180 9033	1.159 9014	1.139 3887	22
23	1.215 9972	1.193 6924	1.171 9265	1.150 6882	23
24	1.228 7991	1.205 7014	1.183 1833	1.161 2325	24
25	1.240 8773	1.216 9971	1.193 7388	1.171 0887	25
26	1.252 2908	1.227 6387	1.203 6520	1.180 3155	26
27	1.263 0921	1.237 6786	1.212 9752	1.188 9651	27
28	1.273 3279	1.247 1633	1.221 7548	1.197 0840	28
29	1.283 0400	1.256 1346	1.230 0327	1.204 7137	29
30	1.292 2658	1.264 6301	1.237 8460	1.211 8914	30
31	1.301 0393	1.272 6833	1.245 2287	1.218 6508	31
32	1.309 3909	1.280 3248	1.252 2109	1.225 0220	32
33	1.317 3485	1.287 5825	1.258 8203	1.231 0326	33
34	1.324 9373	1.294 4813	1.265 0821	1.236 7075	34
35	1.332 1802	1.301 0443	1.271 0190	1.242 0694	35
36	1.339 0985	1.307 2926	1.276 6521	1.247 1392	36
37	1.345 7115	1.313 2454	1.282 0004	1.251 9359	37
38	1.352 0370	1.318 9204	1.287 0818	1.256 4770	38
39	1.358 0913	1.324 3339	1.291 9122	1.260 7785	39
40	1.363 8896	1.329 5011	1.296 5067	1.264 8552	40
41	1.369 4459	1.334 4357	1.300 8791	1.268 7209	41
42	1.374 7733	1.339 1509	1.305 0423	1.272 3882	42
43	1.379 8836	1.343 6585	1.309 0079	1.275 8688	43
44	1.384 7883	1.347 9696	1.312 7873	1.279 1736	44
45	1.389 4977	1.352 0947	1.316 3906	1.282 3127	45
46	1.394 0216	1.356 0434	1.319 8273	1.285 2955	46
47	1.398 3690	1.359 8248	1.323 1064	1.288 1309	47
48	1.402 5487	1.363 4473	1.326 2361	1.290 8269	48
49	1.406 5684	1.366 9190	1.329 2244	1.293 3913	49
50	1.410 4358	1.370 2469	1.332 0784	1.295 8311	50

TABLE XIV.

$\log a_{\overline{n}|}$

n	3%	3½%	4%	4½%	n
51	1.414 1579	1.373 4383	1.334 8052	1.298 1531	51
52	1.417 7413	1.376 4996	1.337 4109	1.300 3634	52
53	1.421 1923	1.379 4371	1.339 9018	1.302 4681	53
54	1.424 5167	1.382 2566	1.342 2837	1.304 4728	54
55	1.427 7202	1.384 9634	1.344 5614	1.306 3825	55
56	1.430 8078	1.387 5626	1.346 7405	1.308 2021	56
57	1.433 7848	1.390 0594	1.348 8255	1.309 9363	57
58	1.436 6556	1.392 4580	1.350 8209	1.311 5893	58
59	1.439 4247	1.394 7633	1.352 7309	1.313 1652	59
60	1.442 0963	1.396 9788	1.354 5596	1.314 6681	60
61	1.444 6746	1.399 1089	1.356 3107	1.316 1012	61
62	1.447 1633	1.401 1569	1.357 9877	1.317 4682	62
63	1.449 5658	1.403 1266	1.359 5943	1.318 7724	63
64	1.451 8858	1.405 0212	1.361 1335	1.320 0168	64
65	1.454 1264	1.406 8440	1.362 6083	1.321 2043	65
66	1.456 2907	1.408 5979	1.364 0218	1.322 3376	66
67	1.458 3817	1.410 2858	1.365 3766	1.323 4193	67
68	1.460 4023	1.411 9103	1.366 6752	1.324 4520	68
69	1.462 3549	1.413 4742	1.367 9203	1.325 4379	69
70	1.464 2424	1.414 9800	1.369 1139	1.326 3791	70
71	1.466 0670	1.416 4297	1.370 2588	1.327 2780	71
72	1.467 8313	1.417 8259	1.371 3568	1.328 1365	72
73	1.469 5373	1.419 1708	1.372 4099	1.328 9562	73
74	1.471 1873	1.420 4660	1.373 4200	1.329 7395	74
75	1.472 7832	1.421 7139	1.374 3892	1.330 4874	75
76	1.474 3270	1.422 9161	1.375 3189	1.331 2020	76
77	1.475 8206	1.424 0746	1.376 2111	1.331 8850	77
78	1.477 2658	1.425 1910	1.377 0673	1.332 5373	78
79	1.478 6644	1.426 2668	1.377 8889	1.333 1607	79
80	1.480 0178	1.427 3040	1.378 6774	1.333 7563	80
81	1.481 3279	1.428 3034	1.379 4344	1.334 3256	81
82	1.482 5962	1.429 2670	1.380 1609	1.334 8697	82
83	1.483 8238	1.430 1960	1.380 8583	1.335 3897	83
84	1.485 0124	1.431 0916	1.381 5278	1.335 8868	84
85	1.486 1633	1.431 9552	1.382 1707	1.336 3619	85
86	1.487 2778	1.432 7881	1.382 7879	1.336 8160	86
87	1.488 3571	1.433 5912	1.383 3806	1.337 2501	87
88	1.489 4022	1.434 3657	1.383 9497	1.337 6652	88
89	1.490 4147	1.435 1128	1.384 4962	1.338 0620	89
90	1.491 3954	1.435 8335	1.385 0211	1.338 4413	90
91	1.492 3454	1.436 5285	1.385 5251	1.338 8041	91
92	1.493 2657	1.437 1991	1.386 0092	1.339 1510	92
93	1.494 1575	1.437 8460	1.386 4741	1.339 4824	93
94	1.495 0215	1.438 4700	1.386 9209	1.339 7997	94
95	1.495 8586	1.439 0720	1.387 3499	1.340 1029	95
96	1.496 6698	1.439 6529	1.387 7619	1.340 3929	96
97	1.497 4560	1.440 2136	1.388 1578	1.340 6702	97
98	1.498 2178	1.440 7545	1.388 5382	1.340 9354	98
99	1.498 9563	1.441 2766	1.388 9036	1.341 1890	99
100	1.499 6720	1.441 7804	1.389 2547	1.341 4316	100

Logarithm of Present Value of 1 per Annum at Compound Interest

TABLE XIV. $\log a_{\overline{n}}$

n	5%	5½%	6%	7%	n
1	9.978 8108	9.976 7476	9.974 6942	9.970 6162	1
2	0.269 3752	0.266 3070	0.263 2555	0.257 2028	2
3	0.435 0872	0.431 0312	0.427 0009	0.419 0161	3
4	0.549 7327	0.544 7066	0.539 7165	0.529 8423	4
5	0.636 4354	0.630 4568	0.624 5259	0.612 8047	5
6	0.705 4952	0.698 5816	0.691 7288	0.678 2032	6
7	0.762 4065	0.754 5752	0.746 8195	0.731 5315	7
8	0.810 4485	0.801 7169	0.793 0772	0.776 0688	8
9	0.851 7365	0.842 1220	0.832 6170	0.813 9299	9
10	0.887 7149	0.877 2346	0.866 8829	0.846 5587	10
11	0.919 4136	0.908 0847	0.896 9049	0.874 9845	11
12	0.947 5930	0.935 4326	0.923 4432	0.899 9674	12
13	0.972 8308	0.959 8557	0.947 0749	0.922 0842	13
14	0.995 5756	0.981 8027	0.968 2486	0.941 7830	14
15	1.016 1831	1.001 6291	0.987 3198	0.959 4190	15
16	1 034 9399	1.019 6214	1.004 5748	0.975 2777	16
17	1.052 0806	1.036 0142	1.020 2477	0.989 5932	17
18	1 067 7992	1.051 0010	1.034 5323	1.002 5586	18
19	1.082 2582	1.064 7445	1.047 5910	1.014 3355	19
20	1 095 5950	1.077 3818	1.059 5604	1.025 0606	20
21	1.107 9271	1.089 0301	1.070 5578	1.034 8500	21
22	1.119 3550	1.099 7901	1.080 6836	1.043 8039	22
23	1.129 9661	1.109 7486	1.090 0244	1.052 0082	23
24	1 139 8363	1.118 9819	1.098 6561	1.059 5382	24
25	1.149 0326	1.127 5561	1.106 6449	1.066 4594	25
26	1.157 6135	1.135 5300	1.114 0492	1.072 8298	26
27	1.165 6311	1.142 9554	1.120 9203	1.078 7000	27
28	1 173 1317	1.149 8785	1.127 3045	1.084 1154	28
29	1 180 1567	1.156 3402	1.133 2425	1.089 1161	29
30	1 186 7431	1.162 3776	1.138 7709	1.093 7382	30
31	1.192 9244	1.168 0237	1.143 9226	1.098 0140	31
32	1.198 7306	1.173 3086	1.148 7273	1.101 9722	32
33	1 204 1892	1.178 2593	1.153 2119	1.105 6393	33
34	1.209 3247	1.182 9005	1.157 4007	1.109 0386	34
35	1 214 1599	1.187 2542	1.161 3155	1.112 1917	35
36	1.218 7154	1.191 3411	1.164 9767	1.115 1179	36
37	1.223 0099	1.195 1798	1.168 4026	1.117 8350	37
38	1.227 0609	1.198 7873	1.171 6101	1.120 3592	38
39	1.230 8840	1 202 1793	1.174 6143	1.122 7049	39
40	1 234 4942	1.205 3702	1.177 4297	1.124 8858	40
41	1.237 9047	1 208 3732	1.180 0690	1.126 9142	41
42	1 241 1281	1.211 2007	1.182 5443	1.128 8014	42
43	1 244 1759	1.213 8638	1.184 8666	1.130 5577	43
44	1.247 0589	1.216 3732	1.187 0462	1.132 1927	44
45	1.249 7869	1.218 7383	1.189 0924	1.133 7152	45
46	1 252 3691	1.220 9684	1.191 0140	1.135 1333	46
47	1 254 8142	1.223 0717	1.192 8191	1.136 4545	47
48	1 257 1302	1.225 0560	1.194 5150	1.137 6855	48
49	1 259 3244	1.226 9284	1.196 1090	1.138 8330	49
50	1 261 4037	1.228 6959	1.197 6075	1.139 9026	50

Logarithm of Present Value of 1 per Annum at Compound Interest

TABLE XIV. $\log a_{\overline{n}|}$

n	3%	$3\frac{1}{2}\%$	6%	7%	n
51	1.263 3751	1.230 3646	1.199 0164	1.140 8997	51
52	1.265 2441	1.231 9403	1.200 3412	1.141 8298	52
53	1.267 0168	1.233 4289	1.201 5874	1.142 6972	53
54	1.268 6984	1.234 8348	1.202 7601	1.143 5059	54
55	1.270 2937	1.236 1634	1.203 8631	1.144 2609	55
56	1.271 8077	1.237 4191	1.204 9012	1.144 9650	56
57	1.273 2448	1.238 6060	1.205 8785	1.145 6221	57
58	1.274 6089	1.239 7278	1.206 7983	1.146 2353	58
59	1.275 9042	1.240 7888	1.207 6642	1.146 8076	59
60	1.277 1343	1.241 7918	1.208 4797	1.147 3417	60
61	1.278 3026	1.242 7404	1.209 2476	1.147 8403	61
62	1.279 4121	1.243 6376	1.209 9707	1.148 3058	62
63	1.280 4663	1.244 4866	1.210 6517	1.148 7405	63
64	1.281 4679	1.245 2896	1.211 2933	1.149 1464	64
65	1.282 4197	1.246 0495	1.211 8976	1.149 5251	65
66	1.283 3242	1.246 7683	1.212 4670	1.149 8790	66
67	1.284 1840	1.247 4488	1.213 0036	1.150 2094	67
68	1.285 0011	1.248 0927	1.213 5090	1.150 5178	68
69	1.285 7780	1.248 7023	1.213 9855	1.150 8060	69
70	1.286 5166	1.249 2791	1.214 4342	1.151 0752	70
71	1.287 2188	1.249 8252	1.214 8573	1.151 3266	71
72	1.287 8865	1.250 3424	1.215 2562	1.151 5613	72
73	1.288 5215	1.250 8319	1.215 6320	1.151 7806	73
74	1.289 1254	1.251 2953	1.215 9863	1.151 9856	74
75	1.289 6997	1.251 7342	1.216 3203	1.152 1770	75
76	1.290 2461	1.252 1498	1.216 6350	1.152 3558	76
77	1.290 7656	1.252 5433	1.216 9319	1.152 5228	77
78	1.291 2600	1.252 9161	1.217 2117	1.152 6787	78
79	1.291 7301	1.253 2691	1.217 4754	1.152 8247	79
80	1.292 1776	1.253 6032	1.217 7242	1.152 9609	80
81	1.292 6033	1.253 9200	1.217 9588	1.153 0881	81
82	1.293 0083	1.254 2200	1.218 1797	1.153 2070	82
83	1.293 3937	1.254 5040	1.218 3884	1.153 3181	83
84	1.293 7604	1.254 7732	1.218 5848	1.153 4218	84
85	1.294 1094	1.255 0280	1.218 7704	1.153 5188	85
86	1.294 4413	1.255 2696	1.218 9451	1.153 6094	86
87	1.294 7573	1.255 4984	1.219 1101	1.153 6941	87
88	1.295 0581	1.255 7152	1.219 2656	1.153 7734	88
89	1.295 3444	1.255 9206	1.219 4121	1.153 8471	89
90	1.295 6168	1.256 1149	1.219 5504	1.153 9163	90
91	1.295 8761	1.256 2993	1.219 6809	1.153 9809	91
92	1.296 1228	1.256 4740	1.219 8039	1.154 0412	92
93	1.296 3579	1.256 6395	1.219 9199	1.154 0976	93
94	1.296 5815	1.256 7963	1.220 0293	1.154 1503	94
95	1.296 7943	1.256 9449	1.220 1323	1.154 1993	95
96	1.296 9969	1.257 0857	1.220 2297	1.154 2454	96
97	1.297 1899	1.257 2190	1.220 3216	1.154 2885	97
98	1.297 3735	1.257 3454	1.220 4082	1.154 3287	98
99	1.297 5484	1.257 4652	1.220 4898	1.154 3661	99
100	1.297 7148	1.257 5787	1.220 5670	1.154 4011	100

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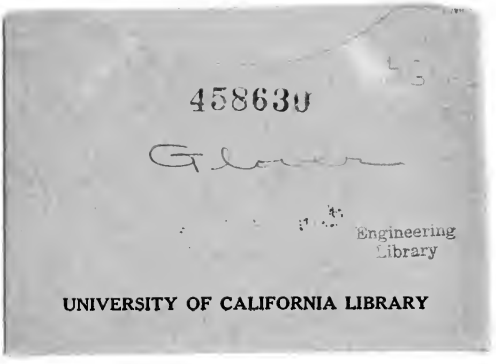
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