

n	Single Payment		Equal Payment Series				Uniform Gradient- Series Factor
	Compound- amount Factor	Present- worth Factor	Compound- amount Factor	Sinking- fund Factor	Present- worth Factor	Capital- recovery Factor	
	to find F given P F/P, i, n	to find P given F P/F, i, n	to find F given A F/A, i, n	to find A given F A/F, i, n	to find P given A P/A, i, n	to find A given P A/P, i, n	
1	1.0050	0.9950	1.0000	1.0000	0.9950	1.0050	0.0000
2	1.0100	0.9901	2.0050	0.4988	1.9851	0.5038	0.4988
3	1.0151	0.9851	3.0150	0.3317	2.9702	0.3367	0.9967
4	1.0202	0.9802	4.0301	0.2481	3.9505	0.2531	1.4938
5	1.0253	0.9754	5.0503	0.1980	4.9259	0.2030	1.9900
6	1.0304	0.9705	6.0755	0.1646	5.8964	0.1696	2.4855
7	1.0355	0.9657	7.1059	0.1407	6.8621	0.1457	2.9801
8	1.0407	0.9609	8.1414	0.1228	7.8230	0.1278	3.4738
9	1.0459	0.9561	9.1821	0.1089	8.7791	0.1139	3.9668
10	1.0511	0.9513	10.2280	0.0978	9.7304	0.1028	4.4589
11	1.0564	0.9466	11.2792	0.0887	10.6770	0.0937	4.9501
12	1.0617	0.9419	12.3356	0.0811	11.6189	0.0861	5.4406
13	1.0670	0.9372	13.3972	0.0746	12.5562	0.0796	5.9302
14	1.0723	0.9326	14.4642	0.0691	13.4887	0.0741	6.4190
15	1.0777	0.9279	15.5365	0.0644	14.4166	0.0694	6.9069
16	1.0831	0.9233	16.6142	0.0602	15.3399	0.0652	7.3940
17	1.0885	0.9187	17.6973	0.0565	16.2586	0.0615	7.8803
18	1.0939	0.9141	18.7858	0.0532	17.1728	0.0582	8.3658
19	1.0994	0.9096	19.8797	0.0503	18.0824	0.0553	8.8504
20	1.1049	0.9051	20.9791	0.0477	18.9874	0.0527	9.3342
21	1.1104	0.9006	22.0840	0.0453	19.8880	0.0503	9.8172
22	1.1160	0.8961	23.1944	0.0431	20.7841	0.0481	10.2993
23	1.1216	0.8916	24.3104	0.0411	21.6757	0.0461	10.7806
24	1.1272	0.8872	25.4320	0.0393	22.5629	0.0443	11.2611
25	1.1328	0.8828	26.5591	0.0377	23.4456	0.0427	11.7407
26	1.1385	0.8784	27.6919	0.0361	24.3240	0.0411	12.2195
27	1.1442	0.8740	28.8304	0.0347	25.1980	0.0397	12.6975
28	1.1499	0.8697	29.9745	0.0334	26.0677	0.0384	13.1747
29	1.1556	0.8653	31.1244	0.0321	26.9330	0.0371	13.6510
30	1.1614	0.8610	32.2800	0.0310	27.7941	0.0360	14.1265
31	1.1672	0.8567	33.4414	0.0299	28.6508	0.0349	14.6012
32	1.1730	0.8525	34.6086	0.0289	29.5033	0.0339	15.0750
33	1.1789	0.8482	35.7817	0.0279	30.3515	0.0329	15.5480
34	1.1848	0.8440	36.9606	0.0271	31.1955	0.0321	16.0202
35	1.1907	0.8398	38.1454	0.0262	32.0354	0.0312	16.4915
40	1.2208	0.8191	44.1588	0.0226	36.1722	0.0276	18.8359
45	1.2516	0.7990	50.3242	0.0199	40.2072	0.0249	21.1595
50	1.2832	0.7793	56.6452	0.0177	44.1428	0.0227	23.4624
55	1.3156	0.7601	63.1258	0.0158	47.9814	0.0208	25.7447
60	1.3489	0.7414	69.7700	0.0143	51.7256	0.0193	28.0064
65	1.3829	0.7231	76.5821	0.0131	55.3775	0.0181	30.2475
70	1.4178	0.7053	83.5661	0.0120	58.9394	0.0170	32.4680
75	1.4536	0.6879	90.7265	0.0110	62.4136	0.0160	34.6679
80	1.4903	0.6710	98.0677	0.0102	65.8023	0.0152	36.8474
85	1.5280	0.6545	105.5943	0.0095	69.1075	0.0145	39.0065
90	1.5666	0.6383	113.3109	0.0088	72.3313	0.0138	41.1451
95	1.6061	0.6226	121.2224	0.0082	75.4757	0.0132	43.2633
100	1.6467	0.6073	129.3337	0.0077	78.5426	0.0127	45.3613

n	Single Payment		Equal Payment Series				Uniform Gradient-Series Factor to find A given G A/G, i, n
	Compound-amount Factor	Present-worth Factor	Compound-amount Factor	Sinking-fund Factor	Present-worth Factor	Capital-recovery Factor	
	to find F given P F/P, i, n	to find P given F P/F, i, n	to find F given A F/A, i, n	to find A given F A/F, i, n	to find P given A P/A, i, n	to find A given P A/P, i, n	
1	1.0075	0.9926	1.0000	1.0000	0.9926	1.0075	0.0000
2	1.0151	0.9852	2.0075	0.4981	1.9777	0.5056	0.4981
3	1.0227	0.9778	3.0226	0.3308	2.9556	0.3383	0.9950
4	1.0303	0.9706	4.0452	0.2472	3.9261	0.2547	1.4907
5	1.0381	0.9633	5.0756	0.1970	4.8894	0.2045	1.9851
6	1.0459	0.9562	6.1136	0.1636	5.8456	0.1711	2.4782
7	1.0537	0.9490	7.1595	0.1397	6.7946	0.1472	2.9701
8	1.0616	0.9420	8.2132	0.1218	7.7366	0.1293	3.4608
9	1.0696	0.9350	9.2748	0.1078	8.6716	0.1153	3.9502
10	1.0776	0.9280	10.3443	0.0967	9.5996	0.1042	4.4384
11	1.0857	0.9211	11.4219	0.0876	10.5207	0.0951	4.9253
12	1.0938	0.9142	12.5076	0.0800	11.4349	0.0875	5.4110
13	1.1020	0.9074	13.6014	0.0735	12.3423	0.0810	5.8954
14	1.1103	0.9007	14.7034	0.0680	13.2430	0.0755	6.3786
15	1.1186	0.8940	15.8137	0.0632	14.1370	0.0707	6.8606
16	1.1270	0.8873	16.9323	0.0591	15.0243	0.0666	7.3413
17	1.1354	0.8807	18.0593	0.0554	15.9050	0.0629	7.8207
18	1.1440	0.8742	19.1947	0.0521	16.7792	0.0596	8.2989
19	1.1525	0.8676	20.3387	0.0492	17.6468	0.0567	8.7759
20	1.1612	0.8612	21.4912	0.0465	18.5080	0.0540	9.2516
21	1.1699	0.8548	22.6524	0.0441	19.3628	0.0516	9.7261
22	1.1787	0.8484	23.8223	0.0420	20.2112	0.0495	10.1994
23	1.1875	0.8421	25.0010	0.0400	21.0533	0.0475	10.6714
24	1.1964	0.8358	26.1885	0.0382	21.8891	0.0457	11.1422
25	1.2054	0.8296	27.3849	0.0365	22.7188	0.0440	11.6117
26	1.2144	0.8234	28.5903	0.0350	23.5422	0.0425	12.0800
27	1.2235	0.8173	29.8047	0.0336	24.3595	0.0411	12.5470
28	1.2327	0.8112	31.0282	0.0322	25.1707	0.0397	13.0128
29	1.2420	0.8052	32.2609	0.0310	25.9759	0.0385	13.4774
30	1.2513	0.7992	33.5029	0.0298	26.7751	0.0373	13.9407
31	1.2607	0.7932	34.7542	0.0288	27.5683	0.0363	14.4028
32	1.2701	0.7873	36.0148	0.0278	28.3557	0.0353	14.8636
33	1.2796	0.7815	37.2849	0.0268	29.1371	0.0343	15.3232
34	1.2892	0.7757	38.5646	0.0259	29.9128	0.0334	15.7816
35	1.2989	0.7699	39.8538	0.0251	30.6827	0.0326	16.2387
40	1.3483	0.7416	46.4465	0.0215	34.4469	0.0290	18.5058
45	1.3997	0.7145	53.2901	0.0188	38.0732	0.0263	20.7421
50	1.4530	0.6883	60.3943	0.0166	41.5664	0.0241	22.9476
55	1.5083	0.6630	67.7688	0.0148	44.9316	0.0223	25.1223
60	1.5657	0.6387	75.4241	0.0133	48.1734	0.0208	27.2665
65	1.6253	0.6153	83.3709	0.0120	51.2963	0.0195	29.3801
70	1.6872	0.5927	91.6201	0.0109	54.3046	0.0184	31.4634
75	1.7514	0.5710	100.1833	0.0100	57.2027	0.0175	33.5163
80	1.8180	0.5500	109.0725	0.0092	59.9944	0.0167	35.5391
85	1.8873	0.5299	118.3001	0.0085	62.6838	0.0160	37.5318
90	1.9591	0.5104	127.8790	0.0078	65.2746	0.0153	39.4946
95	2.0337	0.4917	137.8225	0.0073	67.7704	0.0148	41.4277
100	2.1111	0.4737	148.1445	0.0068	70.1746	0.0143	43.3311

INTEREST FACTORS FOR DISCRETE COMPOUNDING

n	Single Payment		Equal Payment Series				Uniform Gradient- Series Factor to find A given G A/G, i, n
	Compound- amount Factor to find F given P F/P, i, n	Present- worth Factor to find P given F P/F, i, n	Compound- amount Factor to find F given A F/A, i, n	Sinking- fund Factor to find A given F A/F, i, n	Present- worth Factor to find P given A P/A, i, n	Capital- recovery Factor to find A given P A/P, i, n	
	1	1.0100	0.9901	1.0000	1.0000	0.9901	
2	1.0201	0.9803	2.0100	0.4975	1.9704	0.5075	0.4975
3	1.0303	0.9706	3.0301	0.3300	2.9410	0.3400	0.9934
4	1.0406	0.9610	4.0604	0.2463	3.9020	0.2563	1.4876
5	1.0510	0.9515	5.1010	0.1960	4.8534	0.2060	1.9801
6	1.0615	0.9420	6.1520	0.1625	5.7955	0.1725	2.4710
7	1.0721	0.9327	7.2135	0.1386	6.7282	0.1486	2.9602
8	1.0829	0.9235	8.2857	0.1207	7.6517	0.1307	3.4478
9	1.0937	0.9143	9.3685	0.1067	8.5660	0.1167	3.9337
10	1.1046	0.9053	10.4622	0.0956	9.4713	0.1056	4.4179
11	1.1157	0.8963	11.5668	0.0865	10.3676	0.0965	4.9005
12	1.1268	0.8874	12.6825	0.0788	11.2551	0.0888	5.3815
13	1.1381	0.8787	13.8093	0.0724	12.1337	0.0824	5.8607
14	1.1495	0.8700	14.9474	0.0669	13.0037	0.0769	6.3384
15	1.1610	0.8613	16.0969	0.0621	13.8651	0.0721	6.8143
16	1.1726	0.8528	17.2579	0.0579	14.7179	0.0679	7.2886
17	1.1843	0.8444	18.4304	0.0543	15.5623	0.0643	7.7613
18	1.1961	0.8360	19.6147	0.0510	16.3983	0.0610	8.2323
19	1.2081	0.8277	20.8109	0.0481	17.2260	0.0581	8.7017
20	1.2202	0.8195	22.0190	0.0454	18.0456	0.0554	9.1694
21	1.2324	0.8114	23.2392	0.0430	18.8570	0.0530	9.6354
22	1.2447	0.8034	24.4716	0.0409	19.6604	0.0509	10.0998
23	1.2572	0.7954	25.7163	0.0389	20.4558	0.0489	10.5626
24	1.2697	0.7876	26.9735	0.0371	21.2434	0.0471	11.0237
25	1.2824	0.7798	28.2432	0.0354	22.0232	0.0454	11.4831
26	1.2953	0.7720	29.5256	0.0339	22.7952	0.0439	11.9409
27	1.3082	0.7644	30.8209	0.0324	23.5596	0.0424	12.3971
28	1.3213	0.7568	32.1291	0.0311	24.3164	0.0411	12.8516
29	1.3345	0.7493	33.4504	0.0299	25.0658	0.0399	13.3044
30	1.3478	0.7419	34.7849	0.0287	25.8077	0.0387	13.7557
31	1.3613	0.7346	36.1327	0.0277	26.5423	0.0377	14.2052
32	1.3749	0.7273	37.4941	0.0267	27.2696	0.0367	14.6532
33	1.3887	0.7201	38.8690	0.0257	27.9897	0.0357	15.0995
34	1.4026	0.7130	40.2577	0.0248	28.7027	0.0348	15.5441
35	1.4166	0.7059	41.6603	0.0240	29.4086	0.0340	15.9871
40	1.4889	0.6717	48.8864	0.0205	32.8347	0.0305	18.1776
45	1.5648	0.6391	56.4811	0.0177	36.0945	0.0277	20.3273
50	1.6446	0.6080	64.4632	0.0155	39.1961	0.0255	22.4363
55	1.7285	0.5785	72.8525	0.0137	42.1472	0.0237	24.5049
60	1.8167	0.5504	81.6697	0.0122	44.9550	0.0222	26.5333
65	1.9094	0.5237	90.9366	0.0110	47.6266	0.0210	28.5217
70	2.0068	0.4983	100.6763	0.0099	50.1685	0.0199	30.4703
75	2.1091	0.4741	110.9128	0.0090	52.5871	0.0190	32.3793
80	2.2167	0.4511	121.6715	0.0082	54.8882	0.0182	34.2492
85	2.3298	0.4292	132.9790	0.0075	57.0777	0.0175	36.0801
90	2.4486	0.4084	144.8633	0.0069	59.1609	0.0169	37.8724
95	2.5735	0.3886	157.3538	0.0064	61.1430	0.0164	39.6265
100	2.7048	0.3697	170.4814	0.0059	63.0289	0.0159	41.3426

n	Single Payment		Equal Payment Series				Uniform Gradient- Series Factor
	Compound- amount Factor	Present- worth Factor	Compound- amount Factor	Sinking- fund Factor	Present- worth Factor	Capital- recovery Factor	
	to find F given P F/P, i, n	to find P given F P/F, i, n	to find F given A F/A, i, n	to find A given F A/F, i, n	to find P given A P/A, i, n	to find A given P A/P, i, n	
1	1.0125	0.9877	1.0000	1.0000	0.9877	1.0125	0.0000
2	1.0252	0.9755	2.0125	0.4969	1.9631	0.5094	0.4969
3	1.0380	0.9634	3.0377	0.3292	2.9265	0.3417	0.9917
4	1.0509	0.9515	4.0756	0.2454	3.8781	0.2579	1.4845
5	1.0641	0.9398	5.1266	0.1951	4.8178	0.2076	1.9752
6	1.0774	0.9282	6.1907	0.1615	5.7460	0.1740	2.4638
7	1.0909	0.9167	7.2680	0.1376	6.6627	0.1501	2.9503
8	1.1045	0.9054	8.3589	0.1196	7.5681	0.1321	3.4348
9	1.1183	0.8942	9.4634	0.1057	8.4623	0.1182	3.9172
10	1.1323	0.8832	10.5817	0.0945	9.3455	0.1070	4.3975
11	1.1464	0.8723	11.7139	0.0854	10.2178	0.0979	4.8758
12	1.1608	0.8615	12.8604	0.0778	11.0793	0.0903	5.3520
13	1.1753	0.8509	14.0211	0.0713	11.9302	0.0838	5.8262
14	1.1900	0.8404	15.1964	0.0658	12.7706	0.0783	6.2982
15	1.2048	0.8300	16.3863	0.0610	13.6005	0.0735	6.7682
16	1.2199	0.8197	17.5912	0.0568	14.4203	0.0693	7.2362
17	1.2351	0.8096	18.8111	0.0532	15.2299	0.0657	7.7021
18	1.2506	0.7996	20.0462	0.0499	16.0295	0.0624	8.1659
19	1.2662	0.7898	21.2968	0.0470	16.8193	0.0595	8.6277
20	1.2820	0.7800	22.5630	0.0443	17.5993	0.0568	9.0874
21	1.2981	0.7704	23.8450	0.0419	18.3697	0.0544	9.5450
22	1.3143	0.7609	25.1431	0.0398	19.1306	0.0523	10.0006
23	1.3307	0.7515	26.4574	0.0378	19.8820	0.0503	10.4542
24	1.3474	0.7422	27.7881	0.0360	20.6242	0.0485	10.9056
25	1.3642	0.7330	29.1354	0.0343	21.3573	0.0468	11.3551
26	1.3812	0.7240	30.4996	0.0328	22.0813	0.0453	11.8024
27	1.3985	0.7150	31.8809	0.0314	22.7963	0.0439	12.2478
28	1.4160	0.7062	33.2794	0.0300	23.5025	0.0425	12.6911
29	1.4337	0.6975	34.6954	0.0288	24.2000	0.0413	13.1323
30	1.4516	0.6889	36.1291	0.0277	24.8889	0.0402	13.5715
31	1.4698	0.6804	37.5807	0.0266	25.5693	0.0391	14.0086
32	1.4881	0.6720	39.0504	0.0256	26.2413	0.0381	14.4438
33	1.5067	0.6637	40.5386	0.0247	26.9050	0.0372	14.8768
34	1.5256	0.6555	42.0453	0.0238	27.5605	0.0363	15.3079
35	1.5446	0.6474	43.5709	0.0230	28.2079	0.0355	15.7369
40	1.6436	0.6084	51.4896	0.0194	31.3269	0.0319	17.8515
45	1.7489	0.5718	59.9157	0.0167	34.2582	0.0292	19.9156
50	1.8610	0.5373	68.8818	0.0145	37.0129	0.0270	21.9295
55	1.9803	0.5050	78.4225	0.0128	39.6017	0.0253	23.8936
60	2.1072	0.4746	88.5745	0.0113	42.0346	0.0238	25.8083
65	2.2422	0.4460	99.3771	0.0101	44.3210	0.0226	27.6741
70	2.3859	0.4191	110.8720	0.0090	46.4697	0.0215	29.4913
75	2.5388	0.3939	123.1035	0.0081	48.4890	0.0206	31.2605
80	2.7015	0.3702	136.1188	0.0073	50.3867	0.0198	32.9822
85	2.8746	0.3479	149.9682	0.0067	52.1701	0.0192	34.6570
90	3.0588	0.3269	164.7050	0.0061	53.8461	0.0186	36.2855
95	3.2548	0.3072	180.3862	0.0055	55.4211	0.0180	37.8682
100	3.4634	0.2887	197.0723	0.0051	56.9013	0.0176	39.4058

n	Single Payment		Equal Payment Series				Uniform Gradient- Series Factor
	Compound- amount Factor	Present- worth Factor	Compound- amount Factor	Sinking- fund Factor	Present- worth Factor	Capital- recovery Factor	
	to find F given P F/P, i, n	to find P given F P/F, i, n	to find F given A F/A, i, n	to find A given F A/F, i, n	to find P given A P/A, i, n	to find A given P A/P, i, n	
1	1.0150	0.9852	1.0000	1.0000	0.9852	1.0150	0.0000
2	1.0302	0.9707	2.0150	0.4963	1.9559	0.5113	0.4963
3	1.0457	0.9563	3.0452	0.3284	2.9122	0.3434	0.9901
4	1.0614	0.9422	4.0909	0.2444	3.8544	0.2594	1.4814
5	1.0773	0.9283	5.1523	0.1941	4.7826	0.2091	1.9702
6	1.0934	0.9145	6.2296	0.1605	5.6972	0.1755	2.4566
7	1.1098	0.9010	7.3230	0.1366	6.5982	0.1516	2.9405
8	1.1265	0.8877	8.4328	0.1186	7.4859	0.1336	3.4219
9	1.1434	0.8746	9.5593	0.1046	8.3605	0.1196	3.9008
10	1.1605	0.8617	10.7027	0.0934	9.2222	0.1084	4.3772
11	1.1779	0.8489	11.8633	0.0843	10.0711	0.0993	4.8512
12	1.1956	0.8364	13.0412	0.0767	10.9075	0.0917	5.3227
13	1.2136	0.8240	14.2368	0.0702	11.7315	0.0852	5.7917
14	1.2318	0.8118	15.4504	0.0647	12.5434	0.0797	6.2582
15	1.2502	0.7999	16.6821	0.0599	13.3432	0.0749	6.7223
16	1.2690	0.7880	17.9324	0.0558	14.1313	0.0708	7.1839
17	1.2880	0.7764	19.2014	0.0521	14.9076	0.0671	7.6431
18	1.3073	0.7649	20.4894	0.0488	15.6726	0.0638	8.0997
19	1.3270	0.7536	21.7967	0.0459	16.4262	0.0609	8.5539
20	1.3469	0.7425	23.1237	0.0432	17.1686	0.0582	9.0057
21	1.3671	0.7315	24.4705	0.0409	17.9001	0.0559	9.4550
22	1.3876	0.7207	25.8376	0.0387	18.6208	0.0537	9.9018
23	1.4084	0.7100	27.2251	0.0367	19.3309	0.0517	10.3462
24	1.4295	0.6995	28.6335	0.0349	20.0304	0.0499	10.7881
25	1.4509	0.6892	30.0630	0.0333	20.7196	0.0483	11.2276
26	1.4727	0.6790	31.5140	0.0317	21.3986	0.0467	11.6646
27	1.4948	0.6690	32.9867	0.0303	22.0676	0.0453	12.0992
28	1.5172	0.6591	34.4815	0.0290	22.7267	0.0440	12.5313
29	1.5400	0.6494	35.9987	0.0278	23.3761	0.0428	12.9610
30	1.5631	0.6398	37.5387	0.0266	24.0158	0.0416	13.3883
31	1.5865	0.6303	39.1018	0.0256	24.6461	0.0406	13.8131
32	1.6103	0.6210	40.6883	0.0246	25.2671	0.0396	14.2355
33	1.6345	0.6118	42.2986	0.0236	25.8790	0.0386	14.6555
34	1.6590	0.6028	43.9331	0.0228	26.4817	0.0378	15.0731
35	1.6839	0.5939	45.5921	0.0219	27.0756	0.0369	15.4882
40	1.8140	0.5513	54.2679	0.0184	29.9158	0.0334	17.5277
45	1.9542	0.5117	63.6142	0.0157	32.5523	0.0307	19.5074
50	2.1052	0.4750	73.6828	0.0136	34.9997	0.0286	21.4277
55	2.2679	0.4409	84.5296	0.0118	37.2715	0.0268	23.2894
60	2.4432	0.4093	96.2147	0.0104	39.3803	0.0254	25.0930
65	2.6320	0.3799	108.8028	0.0092	41.3378	0.0242	26.8393
70	2.8355	0.3527	122.3638	0.0082	43.1549	0.0232	28.5290
75	3.0546	0.3274	136.9728	0.0073	44.8416	0.0223	30.1631
80	3.2907	0.3039	152.7109	0.0065	46.4073	0.0215	31.7423
85	3.5450	0.2821	169.6652	0.0059	47.8607	0.0209	33.2676
90	3.8189	0.2619	187.9299	0.0053	49.2099	0.0203	34.7399
95	4.1141	0.2431	207.6061	0.0048	50.4622	0.0198	36.1602
100	4.4320	0.2256	228.8030	0.0044	51.6247	0.0194	37.5295

n	Single Payment		Equal Payment Series				Uniform Gradient- Series Factor
	Compound- amount Factor	Present- worth Factor	Compound- amount Factor	Sinking- fund Factor	Present- worth Factor	Capital- recovery Factor	
	to find F given P F/P, i, n	to find P given F P/F, i, n	to find F given A F/A, i, n	to find A given F A/F, i, n	to find P given A P/A, i, n	to find A given P A/P, i, n	
1	1.0200	0.9804	1.0000	1.0000	0.9804	1.0200	0.0000
2	1.0404	0.9612	2.0200	0.4950	1.9416	0.5150	0.4950
3	1.0612	0.9423	3.0604	0.3268	2.8839	0.3468	0.9868
4	1.0824	0.9238	4.1216	0.2426	3.8077	0.2626	1.4752
5	1.1041	0.9057	5.2040	0.1922	4.7135	0.2122	1.9604
6	1.1262	0.8880	6.3081	0.1585	5.6014	0.1785	2.4423
7	1.1487	0.8706	7.4343	0.1345	6.4720	0.1545	2.9208
8	1.1717	0.8535	8.5830	0.1165	7.3255	0.1365	3.3961
9	1.1951	0.8368	9.7546	0.1025	8.1622	0.1225	3.8681
10	1.2190	0.8203	10.9497	0.0913	8.9826	0.1113	4.3367
11	1.2434	0.8043	12.1687	0.0822	9.7868	0.1022	4.8021
12	1.2682	0.7885	13.4121	0.0746	10.5753	0.0946	5.2642
13	1.2936	0.7730	14.6803	0.0681	11.3484	0.0881	5.7231
14	1.3195	0.7579	15.9739	0.0626	12.1062	0.0826	6.1786
15	1.3459	0.7430	17.2934	0.0578	12.8493	0.0778	6.6309
16	1.3728	0.7284	18.6393	0.0537	13.5777	0.0737	7.0799
17	1.4002	0.7142	20.0121	0.0500	14.2919	0.0700	7.5256
18	1.4282	0.7002	21.4123	0.0467	14.9920	0.0667	7.9681
19	1.4568	0.6864	22.8406	0.0438	15.6785	0.0638	8.4073
20	1.4859	0.6730	24.2974	0.0412	16.3514	0.0612	8.8433
21	1.5157	0.6598	25.7833	0.0388	17.0112	0.0588	9.2760
22	1.5460	0.6468	27.2990	0.0366	17.6580	0.0566	9.7055
23	1.5769	0.6342	28.8450	0.0347	18.2922	0.0547	10.1317
24	1.6084	0.6217	30.4219	0.0329	18.9139	0.0529	10.5547
25	1.6406	0.6095	32.0303	0.0312	19.5235	0.0512	10.9745
26	1.6734	0.5976	33.6709	0.0297	20.1210	0.0497	11.3910
27	1.7069	0.5859	35.3443	0.0283	20.7069	0.0483	11.8043
28	1.7410	0.5744	37.0512	0.0270	21.2813	0.0470	12.2145
29	1.7758	0.5631	38.7922	0.0258	21.8444	0.0458	12.6214
30	1.8114	0.5521	40.5681	0.0246	22.3965	0.0446	13.0251
31	1.8476	0.5412	42.3794	0.0236	22.9377	0.0436	13.4257
32	1.8845	0.5306	44.2270	0.0226	23.4683	0.0426	13.8230
33	1.9222	0.5202	46.1116	0.0217	23.9886	0.0417	14.2172
34	1.9607	0.5100	48.0338	0.0208	24.4986	0.0408	14.6083
35	1.9999	0.5000	49.9945	0.0200	24.9986	0.0400	14.9961
40	2.2080	0.4529	60.4020	0.0166	27.3555	0.0366	16.8885
45	2.4379	0.4102	71.8927	0.0139	29.4902	0.0339	18.7034
50	2.6916	0.3715	84.5794	0.0118	31.4236	0.0318	20.4420
55	2.9717	0.3365	98.5865	0.0101	33.1748	0.0301	22.1057
60	3.2810	0.3048	114.0515	0.0088	34.7609	0.0288	23.6961
65	3.6225	0.2761	131.1262	0.0076	36.1975	0.0276	25.2147
70	3.9996	0.2500	149.9779	0.0067	37.4986	0.0267	26.6632
75	4.4158	0.2265	170.7918	0.0059	38.6771	0.0259	28.0434
80	4.8754	0.2051	193.7720	0.0052	39.7445	0.0252	29.3572
85	5.3829	0.1858	219.1439	0.0046	40.7113	0.0246	30.6064
90	5.9431	0.1683	247.1567	0.0040	41.5869	0.0240	31.7929
95	6.5617	0.1524	278.0850	0.0036	42.3800	0.0236	32.9189
100	7.2446	0.1380	312.2323	0.0032	43.0984	0.0232	33.9863

n	Single Payment		Equal Payment Series				Uniform Gradient- Series Factor
	Compound- amount Factor	Present- worth Factor	Compound- amount Factor	Sinking- fund Factor	Present- worth Factor	Capital- recovery Factor	
	to find F given P F/P, i, n	to find P given F P/F, i, n	to find F given A F/A, i, n	to find A given F A/F, i, n	to find P given A P/A, i, n	to find A given P A/P, i, n	to find A given G A/G, i, n
1	1.0300	0.9709	1.0000	1.0000	0.9709	1.0300	0.0000
2	1.0609	0.9426	2.0300	0.4926	1.9135	0.5226	0.4926
3	1.0927	0.9151	3.0909	0.3235	2.8286	0.3535	0.9803
4	1.1255	0.8885	4.1836	0.2390	3.7171	0.2690	1.4631
5	1.1593	0.8626	5.3091	0.1884	4.5797	0.2184	1.9409
6	1.1941	0.8375	6.4684	0.1546	5.4172	0.1846	2.4138
7	1.2299	0.8131	7.6625	0.1305	6.2303	0.1605	2.8819
8	1.2668	0.7894	8.8923	0.1125	7.0197	0.1425	3.3450
9	1.3048	0.7664	10.1591	0.0984	7.7861	0.1284	3.8032
10	1.3439	0.7441	11.4639	0.0872	8.5302	0.1172	4.2565
11	1.3842	0.7224	12.8078	0.0781	9.2526	0.1081	4.7049
12	1.4258	0.7014	14.1920	0.0705	9.9540	0.1005	5.1485
13	1.4685	0.6810	15.6178	0.0640	10.6350	0.0940	5.5872
14	1.5126	0.6611	17.0863	0.0585	11.2961	0.0885	6.0210
15	1.5580	0.6419	18.5989	0.0538	11.9379	0.0838	6.4500
16	1.6047	0.6232	20.1569	0.0496	12.5611	0.0796	6.8742
17	1.6528	0.6050	21.7616	0.0460	13.1661	0.0760	7.2936
18	1.7024	0.5874	23.4144	0.0427	13.7535	0.0727	7.7081
19	1.7535	0.5703	25.1169	0.0398	14.3238	0.0698	8.1179
20	1.8061	0.5537	26.8704	0.0372	14.8775	0.0672	8.5229
21	1.8603	0.5375	28.6765	0.0349	15.4150	0.0649	8.9231
22	1.9161	0.5219	30.5368	0.0327	15.9369	0.0627	9.3186
23	1.9736	0.5067	32.4529	0.0308	16.4436	0.0608	9.7093
24	2.0328	0.4919	34.4265	0.0290	16.9355	0.0590	10.0954
25	2.0938	0.4776	36.4593	0.0274	17.4131	0.0574	10.4768
26	2.1566	0.4637	38.5530	0.0259	17.8768	0.0559	10.8535
27	2.2213	0.4502	40.7096	0.0246	18.3270	0.0546	11.2255
28	2.2879	0.4371	42.9309	0.0233	18.7641	0.0533	11.5930
29	2.3566	0.4243	45.2189	0.0221	19.1885	0.0521	11.9558
30	2.4273	0.4120	47.5754	0.0210	19.6004	0.0510	12.3141
31	2.5001	0.4000	50.0027	0.0200	20.0004	0.0500	12.6678
32	2.5751	0.3883	52.5028	0.0190	20.3888	0.0490	13.0169
33	2.6523	0.3770	55.0778	0.0182	20.7658	0.0482	13.3616
34	2.7319	0.3660	57.7302	0.0173	21.1318	0.0473	13.7018
35	2.8139	0.3554	60.4621	0.0165	21.4872	0.0465	14.0375
40	3.2620	0.3066	75.4013	0.0133	23.1148	0.0433	15.6502
45	3.7816	0.2644	92.7199	0.0108	24.5187	0.0408	17.1556
50	4.3839	0.2281	112.7969	0.0089	25.7298	0.0389	18.5575
55	5.0821	0.1968	136.0716	0.0073	26.7744	0.0373	19.8600
60	5.8916	0.1697	163.0534	0.0061	27.6756	0.0361	21.0674
65	6.8300	0.1464	194.3328	0.0051	28.4529	0.0351	22.1841
70	7.9178	0.1263	230.5941	0.0043	29.1234	0.0343	23.2145
75	9.1789	0.1089	272.6309	0.0037	29.7018	0.0337	24.1634
80	10.6409	0.0940	321.3630	0.0031	30.2008	0.0331	25.0353
85	12.3357	0.0811	377.8570	0.0026	30.6312	0.0326	25.8349
90	14.3005	0.0699	443.3489	0.0023	31.0024	0.0323	26.5667
95	16.5782	0.0603	519.2720	0.0019	31.3227	0.0319	27.2351
100	19.2186	0.0520	607.2877	0.0016	31.5989	0.0316	27.8444

n	Single Payment		Equal Payment Series				Uniform Gradient- Series Factor
	Compound- amount Factor	Present- worth Factor	Compound- amount Factor	Sinking- fund Factor	Present- worth Factor	Capital- recovery Factor	
	to find F given P F/P, i, n	to find P given F P/F, i, n	to find F given A F/A, i, n	to find A given F A/F, i, n	to find P given A P/A, i, n	to find A given P A/P, i, n	
1	1.0400	0.9615	1.0000	1.0000	0.9615	1.0400	0.0000
2	1.0816	0.9246	2.0400	0.4902	1.8861	0.5302	0.4902
3	1.1249	0.8890	3.1216	0.3203	2.7751	0.3603	0.9739
4	1.1699	0.8548	4.2465	0.2355	3.6299	0.2755	1.4510
5	1.2167	0.8219	5.4163	0.1846	4.4518	0.2246	1.9216
6	1.2653	0.7903	6.6330	0.1508	5.2421	0.1908	2.3857
7	1.3159	0.7599	7.8983	0.1266	6.0021	0.1666	2.8433
8	1.3686	0.7307	9.2142	0.1085	6.7327	0.1485	3.2944
9	1.4233	0.7026	10.5828	0.0945	7.4353	0.1345	3.7391
10	1.4802	0.6756	12.0061	0.0833	8.1109	0.1233	4.1773
11	1.5395	0.6496	13.4864	0.0741	8.7605	0.1141	4.6090
12	1.6010	0.6246	15.0258	0.0666	9.3851	0.1066	5.0343
13	1.6651	0.6006	16.6268	0.0601	9.9856	0.1001	5.4533
14	1.7317	0.5775	18.2919	0.0547	10.5631	0.0947	5.8659
15	1.8009	0.5553	20.0236	0.0499	11.1184	0.0899	6.2721
16	1.8730	0.5339	21.8245	0.0458	11.6523	0.0858	6.6720
17	1.9479	0.5134	23.6975	0.0422	12.1657	0.0822	7.0656
18	2.0258	0.4936	25.6454	0.0390	12.6593	0.0790	7.4530
19	2.1068	0.4746	27.6712	0.0361	13.1339	0.0761	7.8342
20	2.1911	0.4564	29.7781	0.0336	13.5903	0.0736	8.2091
21	2.2788	0.4388	31.9692	0.0313	14.0292	0.0713	8.5779
22	2.3699	0.4220	34.2480	0.0292	14.4511	0.0692	8.9407
23	2.4647	0.4057	36.6179	0.0273	14.8568	0.0673	9.2973
24	2.5633	0.3901	39.0826	0.0256	15.2470	0.0656	9.6479
25	2.6658	0.3751	41.6459	0.0240	15.6221	0.0640	9.9925
26	2.7725	0.3607	44.3117	0.0226	15.9828	0.0626	10.3312
27	2.8834	0.3468	47.0842	0.0212	16.3296	0.0612	10.6640
28	2.9987	0.3335	49.9676	0.0200	16.6631	0.0600	10.9909
29	3.1187	0.3207	52.9663	0.0189	16.9837	0.0589	11.3120
30	3.2434	0.3083	56.0849	0.0178	17.2920	0.0578	11.6274
31	3.3731	0.2965	59.3283	0.0169	17.5885	0.0569	11.9371
32	3.5081	0.2851	62.7015	0.0159	17.8736	0.0559	12.2411
33	3.6484	0.2741	66.2095	0.0151	18.1476	0.0551	12.5396
34	3.7943	0.2636	69.8579	0.0143	18.4112	0.0543	12.8324
35	3.9461	0.2534	73.6522	0.0136	18.6646	0.0536	13.1198
40	4.8010	0.2083	95.0255	0.0105	19.7928	0.0505	14.4765
45	5.8412	0.1712	121.0294	0.0083	20.7200	0.0483	15.7047
50	7.1067	0.1407	152.6671	0.0066	21.4822	0.0466	16.8122
55	8.6464	0.1157	191.1592	0.0052	22.1086	0.0452	17.8070
60	10.5196	0.0951	237.9907	0.0042	22.6235	0.0442	18.6972
65	12.7987	0.0781	294.9684	0.0034	23.0467	0.0434	19.4909
70	15.5716	0.0642	364.2905	0.0027	23.3945	0.0427	20.1961
75	18.9453	0.0528	448.6314	0.0022	23.6804	0.0422	20.8206
80	23.0498	0.0434	551.2450	0.0018	23.9154	0.0418	21.3718
85	28.0436	0.0357	676.0901	0.0015	24.1085	0.0415	21.8569
90	34.1193	0.0293	827.9833	0.0012	24.2673	0.0412	22.2826
95	41.5114	0.0241	1012.7846	0.0010	24.3978	0.0410	22.6550
100	50.5049	0.0198	1237.6237	0.0008	24.5050	0.0408	22.9800

n	Single Payment		Equal Payment Series				Uniform Gradient- Series Factor to find A given G A/G, i, n
	Compound- amount Factor to find F given P F/P, i, n	Present- worth Factor to find P given F P/F, i, n	Compound- amount Factor to find F given A F/A, i, n	Sinking- fund Factor to find A given F A/F, i, n	Present- worth Factor to find P given A P/A, i, n	Capital- recovery Factor to find A given P A/P, i, n	
	1	1.0500	0.9524	1.0000	1.0000	0.9524	
2	1.1025	0.9070	2.0500	0.4878	1.8594	0.5378	0.4878
3	1.1576	0.8638	3.1525	0.3172	2.7232	0.3672	0.9675
4	1.2155	0.8227	4.3101	0.2320	3.5460	0.2820	1.4391
5	1.2763	0.7835	5.5256	0.1810	4.3295	0.2310	1.9025
6	1.3401	0.7462	6.8019	0.1470	5.0757	0.1970	2.3579
7	1.4071	0.7107	8.1420	0.1228	5.7864	0.1728	2.8052
8	1.4775	0.6768	9.5491	0.1047	6.4632	0.1547	3.2445
9	1.5513	0.6446	11.0266	0.0907	7.1078	0.1407	3.6758
10	1.6289	0.6139	12.5779	0.0795	7.7217	0.1295	4.0991
11	1.7103	0.5847	14.2068	0.0704	8.3064	0.1204	4.5144
12	1.7959	0.5568	15.9171	0.0628	8.8633	0.1128	4.9219
13	1.8856	0.5303	17.7130	0.0565	9.3936	0.1065	5.3215
14	1.9799	0.5051	19.5986	0.0510	9.8986	0.1010	5.7133
15	2.0789	0.4810	21.5786	0.0463	10.3797	0.0963	6.0973
16	2.1829	0.4581	23.6575	0.0423	10.8378	0.0923	6.4736
17	2.2920	0.4363	25.8404	0.0387	11.2741	0.0887	6.8423
18	2.4066	0.4155	28.1324	0.0355	11.6896	0.0855	7.2034
19	2.5270	0.3957	30.5390	0.0327	12.0853	0.0827	7.5569
20	2.6533	0.3769	33.0660	0.0302	12.4622	0.0802	7.9030
21	2.7860	0.3589	35.7193	0.0280	12.8212	0.0780	8.2416
22	2.9253	0.3418	38.5052	0.0260	13.1630	0.0760	8.5730
23	3.0715	0.3256	41.4305	0.0241	13.4886	0.0741	8.8971
24	3.2251	0.3101	44.5020	0.0225	13.7986	0.0725	9.2140
25	3.3864	0.2953	47.7271	0.0210	14.0939	0.0710	9.5238
26	3.5557	0.2812	51.1135	0.0196	14.3752	0.0696	9.8266
27	3.7335	0.2678	54.6691	0.0183	14.6430	0.0683	10.1224
28	3.9201	0.2551	58.4026	0.0171	14.8981	0.0671	10.4114
29	4.1161	0.2429	62.3227	0.0160	15.1411	0.0660	10.6936
30	4.3219	0.2314	66.4388	0.0151	15.3725	0.0651	10.9691
31	4.5380	0.2204	70.7608	0.0141	15.5928	0.0641	11.2381
32	4.7649	0.2099	75.2988	0.0133	15.8027	0.0633	11.5005
33	5.0032	0.1999	80.0638	0.0125	16.0025	0.0625	11.7566
34	5.2533	0.1904	85.0670	0.0118	16.1929	0.0618	12.0063
35	5.5160	0.1813	90.3203	0.0111	16.3742	0.0611	12.2498
40	7.0400	0.1420	120.7998	0.0083	17.1591	0.0583	13.3775
45	8.9850	0.1113	159.7002	0.0063	17.7741	0.0563	14.3644
50	11.4674	0.0872	209.3480	0.0048	18.2559	0.0548	15.2233
55	14.6356	0.0683	272.7126	0.0037	18.6335	0.0537	15.9664
60	18.6792	0.0535	353.5837	0.0028	18.9293	0.0528	16.6062
65	23.8399	0.0419	456.7980	0.0022	19.1611	0.0522	17.1541
70	30.4264	0.0329	588.5285	0.0017	19.3427	0.0517	17.6212
75	38.8327	0.0258	756.6537	0.0013	19.4850	0.0513	18.0176
80	49.5614	0.0202	971.2288	0.0010	19.5965	0.0510	18.3526
85	63.2544	0.0158	1245.0871	0.0008	19.6838	0.0508	18.6346
90	80.7304	0.0124	1594.6073	0.0006	19.7523	0.0506	18.8712
95	103.0347	0.0097	2040.6935	0.0005	19.8059	0.0505	19.0689
100	131.5013	0.0076	2610.0252	0.0004	19.8479	0.0504	19.2337

n	Single Payment		Equal Payment Series				Uniform Gradient- Series Factor
	Compound- amount Factor	Present- worth Factor	Compound- amount Factor	Sinking- fund Factor	Present- worth Factor	Capital- recovery Factor	
	to find F given P F/P, i, n	to find P given F P/F, i, n	to find F given A F/A, i, n	to find A given F A/F, i, n	to find P given A P/A, i, n	to find A given P A/P, i, n	
1	1.0600	0.9434	1.0000	1.0000	0.9434	1.0600	0.0000
2	1.1236	0.8900	2.0600	0.4854	1.8334	0.5454	0.4854
3	1.1910	0.8396	3.1836	0.3141	2.6730	0.3741	0.9612
4	1.2625	0.7921	4.3746	0.2286	3.4651	0.2886	1.4272
5	1.3382	0.7473	5.6371	0.1774	4.2124	0.2374	1.8836
6	1.4185	0.7050	6.9753	0.1434	4.9173	0.2034	2.3304
7	1.5036	0.6651	8.3938	0.1191	5.5824	0.1791	2.7676
8	1.5938	0.6274	9.8975	0.1010	6.2098	0.1610	3.1952
9	1.6895	0.5919	11.4913	0.0870	6.8017	0.1470	3.6133
10	1.7908	0.5584	13.1808	0.0759	7.3601	0.1359	4.0220
11	1.8983	0.5268	14.9716	0.0668	7.8869	0.1268	4.4213
12	2.0122	0.4970	16.8699	0.0593	8.3838	0.1193	4.8113
13	2.1329	0.4688	18.8821	0.0530	8.8527	0.1130	5.1920
14	2.2609	0.4423	21.0151	0.0476	9.2950	0.1076	5.5635
15	2.3966	0.4173	23.2760	0.0430	9.7122	0.1030	5.9260
16	2.5404	0.3936	25.6725	0.0390	10.1059	0.0990	6.2794
17	2.6928	0.3714	28.2129	0.0354	10.4773	0.0954	6.6240
18	2.8543	0.3503	30.9057	0.0324	10.8276	0.0924	6.9597
19	3.0256	0.3305	33.7600	0.0296	11.1581	0.0896	7.2867
20	3.2071	0.3118	36.7856	0.0272	11.4699	0.0872	7.6051
21	3.3996	0.2942	39.9927	0.0250	11.7641	0.0850	7.9151
22	3.6035	0.2775	43.3923	0.0230	12.0416	0.0830	8.2166
23	3.8197	0.2618	46.9958	0.0213	12.3034	0.0813	8.5099
24	4.0489	0.2470	50.8156	0.0197	12.5504	0.0797	8.7951
25	4.2919	0.2330	54.8645	0.0182	12.7834	0.0782	9.0722
26	4.5494	0.2198	59.1564	0.0169	13.0032	0.0769	9.3414
27	4.8223	0.2074	63.7058	0.0157	13.2105	0.0757	9.6029
28	5.1117	0.1956	68.5281	0.0146	13.4062	0.0746	9.8568
29	5.4184	0.1846	73.6398	0.0136	13.5907	0.0736	10.1032
30	5.7435	0.1741	79.0582	0.0126	13.7648	0.0726	10.3422
31	6.0881	0.1643	84.8017	0.0118	13.9291	0.0718	10.5740
32	6.4534	0.1550	90.8898	0.0110	14.0840	0.0710	10.7988
33	6.8406	0.1462	97.3432	0.0103	14.2302	0.0703	11.0166
34	7.2510	0.1379	104.1838	0.0096	14.3681	0.0696	11.2276
35	7.6861	0.1301	111.4348	0.0090	14.4982	0.0690	11.4319
40	10.2857	0.0972	154.7620	0.0065	15.0463	0.0665	12.3590
45	13.7646	0.0727	212.7435	0.0047	15.4558	0.0647	13.1413
50	18.4202	0.0543	290.3359	0.0034	15.7619	0.0634	13.7964
55	24.6503	0.0406	394.1720	0.0025	15.9905	0.0625	14.3411
60	32.9877	0.0303	533.1282	0.0019	16.1614	0.0619	14.7909
65	44.1450	0.0227	719.0829	0.0014	16.2891	0.0614	15.1601
70	59.0759	0.0169	967.9322	0.0010	16.3845	0.0610	15.4613
75	79.0569	0.0126	1300.9487	0.0008	16.4558	0.0608	15.7058
80	105.7960	0.0095	1746.5999	0.0006	16.5091	0.0606	15.9033
85	141.5789	0.0071	2342.9817	0.0004	16.5489	0.0604	16.0620
90	189.4645	0.0053	3141.0752	0.0003	16.5787	0.0603	16.1891
95	253.5463	0.0039	4209.1042	0.0002	16.6009	0.0602	16.2905
100	339.3021	0.0029	5638.3681	0.0002	16.6175	0.0602	16.3711

n	Single Payment		Equal Payment Series				Uniform Gradient-Series Factor to find A given G A/G, i, n
	Compound-amount Factor	Present-worth Factor	Compound-amount Factor	Sinking-fund Factor	Present-worth Factor	Capital-recovery Factor	
	to find F given P F/P, i, n	to find P given F P/F, i, n	to find F given A F/A, i, n	to find A given F A/F, i, n	to find P given A P/A, i, n	to find A given P A/P, i, n	
1	1.0700	0.9346	1.0000	1.0000	0.9346	1.0700	0.0000
2	1.1449	0.8734	2.0700	0.4831	1.8080	0.5531	0.4831
3	1.2250	0.8163	3.2149	0.3111	2.6243	0.3811	0.9549
4	1.3108	0.7629	4.4399	0.2252	3.3872	0.2952	1.4155
5	1.4026	0.7130	5.7507	0.1739	4.1002	0.2439	1.8650
6	1.5007	0.6663	7.1533	0.1398	4.7665	0.2098	2.3032
7	1.6058	0.6227	8.6540	0.1156	5.3893	0.1856	2.7304
8	1.7182	0.5820	10.2598	0.0975	5.9713	0.1675	3.1465
9	1.8385	0.5439	11.9780	0.0835	6.5152	0.1535	3.5517
10	1.9672	0.5083	13.8164	0.0724	7.0236	0.1424	3.9461
11	2.1049	0.4751	15.7836	0.0634	7.4987	0.1334	4.3296
12	2.2522	0.4440	17.8885	0.0559	7.9427	0.1259	4.7025
13	2.4098	0.4150	20.1406	0.0497	8.3577	0.1197	5.0648
14	2.5785	0.3878	22.5505	0.0443	8.7455	0.1143	5.4167
15	2.7590	0.3624	25.1290	0.0398	9.1079	0.1098	5.7583
16	2.9522	0.3387	27.8881	0.0359	9.4466	0.1059	6.0897
17	3.1588	0.3166	30.8402	0.0324	9.7632	0.1024	6.4110
18	3.3799	0.2959	33.9990	0.0294	10.0591	0.0994	6.7225
19	3.6165	0.2765	37.3790	0.0268	10.3356	0.0968	7.0242
20	3.8697	0.2584	40.9955	0.0244	10.5940	0.0944	7.3163
21	4.1406	0.2415	44.8652	0.0223	10.8355	0.0923	7.5990
22	4.4304	0.2257	49.0057	0.0204	11.0612	0.0904	7.8725
23	4.7405	0.2109	53.4361	0.0187	11.2722	0.0887	8.1369
24	5.0724	0.1971	58.1767	0.0172	11.4693	0.0872	8.3923
25	5.4274	0.1842	63.2490	0.0158	11.6536	0.0858	8.6391
26	5.8074	0.1722	68.6765	0.0146	11.8258	0.0846	8.8773
27	6.2139	0.1609	74.4838	0.0134	11.9867	0.0834	9.1072
28	6.6488	0.1504	80.6977	0.0124	12.1371	0.0824	9.3289
29	7.1143	0.1406	87.3465	0.0114	12.2777	0.0814	9.5427
30	7.6123	0.1314	94.4608	0.0106	12.4090	0.0806	9.7487
31	8.1451	0.1228	102.0730	0.0098	12.5318	0.0798	9.9471
32	8.7153	0.1147	110.2182	0.0091	12.6466	0.0791	10.1381
33	9.3253	0.1072	118.9334	0.0084	12.7538	0.0784	10.3219
34	9.9781	0.1002	128.2588	0.0078	12.8540	0.0778	10.4987
35	10.6766	0.0937	138.2369	0.0072	12.9477	0.0772	10.6687
40	14.9745	0.0668	199.6351	0.0050	13.3317	0.0750	11.4233
45	21.0025	0.0476	285.7493	0.0035	13.6055	0.0735	12.0360
50	29.4570	0.0339	406.5289	0.0025	13.8007	0.0725	12.5287
55	41.3150	0.0242	575.9286	0.0017	13.9399	0.0717	12.9215
60	57.9464	0.0173	813.5204	0.0012	14.0392	0.0712	13.2321
65	81.2729	0.0123	1146.7552	0.0009	14.1099	0.0709	13.4760
70	113.9894	0.0088	1614.1342	0.0006	14.1604	0.0706	13.6662
75	159.8760	0.0063	2269.6574	0.0004	14.1964	0.0704	13.8136
80	224.2344	0.0045	3189.0627	0.0003	14.2220	0.0703	13.9273
85	314.5003	0.0032	4478.5761	0.0002	14.2403	0.0702	14.0146
90	441.1030	0.0023	6287.1854	0.0002	14.2533	0.0702	14.0812
95	618.6697	0.0016	8823.8535	0.0001	14.2626	0.0701	14.1319
100	867.7163	0.0012	12381.6618	0.0001	14.2693	0.0701	14.1703

n	Single Payment		Equal Payment Series				Uniform Gradient- Series Factor
	Compound- amount Factor	Present- worth Factor	Compound- amount Factor	Sinking- fund Factor	Present- worth Factor	Capital- recovery Factor	
	to find F given P F/P, i, n	to find P given F P/F, i, n	to find F given A F/A, i, n	to find A given F A/F, i, n	to find P given A P/A, i, n	to find A given P A/P, i, n	
1	1.0800	0.9259	1.0000	1.0000	0.9259	1.0800	0.0000
2	1.1664	0.8573	2.0800	0.4808	1.7833	0.5608	0.4808
3	1.2597	0.7938	3.2464	0.3080	2.5771	0.3880	0.9487
4	1.3605	0.7350	4.5061	0.2219	3.3121	0.3019	1.4040
5	1.4693	0.6806	5.8666	0.1705	3.9927	0.2505	1.8465
6	1.5869	0.6302	7.3359	0.1363	4.6229	0.2163	2.2763
7	1.7138	0.5835	8.9228	0.1121	5.2064	0.1921	2.6937
8	1.8509	0.5403	10.6366	0.0940	5.7466	0.1740	3.0985
9	1.9990	0.5002	12.4876	0.0801	6.2469	0.1601	3.4910
10	2.1589	0.4632	14.4866	0.0690	6.7101	0.1490	3.8713
11	2.3316	0.4289	16.6455	0.0601	7.1390	0.1401	4.2395
12	2.5182	0.3971	18.9771	0.0527	7.5361	0.1327	4.5957
13	2.7196	0.3677	21.4953	0.0465	7.9038	0.1265	4.9402
14	2.9372	0.3405	24.2149	0.0413	8.2442	0.1213	5.2731
15	3.1722	0.3152	27.1521	0.0368	8.5595	0.1168	5.5945
16	3.4259	0.2919	30.3243	0.0330	8.8514	0.1130	5.9046
17	3.7000	0.2703	33.7502	0.0296	9.1216	0.1096	6.2037
18	3.9960	0.2502	37.4502	0.0267	9.3719	0.1067	6.4920
19	4.3157	0.2317	41.4463	0.0241	9.6036	0.1041	6.7697
20	4.6610	0.2145	45.7620	0.0219	9.8181	0.1019	7.0369
21	5.0338	0.1987	50.4229	0.0198	10.0168	0.0998	7.2940
22	5.4365	0.1839	55.4568	0.0180	10.2007	0.0980	7.5412
23	5.8715	0.1703	60.8933	0.0164	10.3711	0.0964	7.7786
24	6.3412	0.1577	66.7648	0.0150	10.5288	0.0950	8.0066
25	6.8485	0.1460	73.1059	0.0137	10.6748	0.0937	8.2254
26	7.3964	0.1352	79.9544	0.0125	10.8100	0.0925	8.4352
27	7.9881	0.1252	87.3508	0.0114	10.9352	0.0914	8.6363
28	8.6271	0.1159	95.3388	0.0105	11.0511	0.0905	8.8289
29	9.3173	0.1073	103.9659	0.0096	11.1584	0.0896	9.0133
30	10.0627	0.0994	113.2832	0.0088	11.2578	0.0888	9.1897
31	10.8677	0.0920	123.3459	0.0081	11.3498	0.0881	9.3584
32	11.7371	0.0852	134.2135	0.0075	11.4350	0.0875	9.5197
33	12.6760	0.0789	145.9506	0.0069	11.5139	0.0869	9.6737
34	13.6901	0.0730	158.6267	0.0063	11.5869	0.0863	9.8208
35	14.7853	0.0676	172.3168	0.0058	11.6546	0.0858	9.9611
40	21.7245	0.0460	259.0565	0.0039	11.9246	0.0839	10.5699
45	31.9204	0.0313	386.5056	0.0026	12.1084	0.0826	11.0447
50	46.9016	0.0213	573.7702	0.0017	12.2335	0.0817	11.4107
55	68.9139	0.0145	848.9232	0.0012	12.3186	0.0812	11.6902
60	101.2571	0.0099	1253.2133	0.0008	12.3766	0.0808	11.9015
65	148.7798	0.0067	1847.2481	0.0005	12.4160	0.0805	12.0602
70	218.6064	0.0046	2720.0801	0.0004	12.4428	0.0804	12.1783
75	321.2045	0.0031	4002.5566	0.0002	12.4611	0.0802	12.2658
80	471.9548	0.0021	5886.9354	0.0002	12.4735	0.0802	12.3301
85	693.4565	0.0014	8655.7061	0.0001	12.4820	0.0801	12.3772
90	1018.9151	0.0010	12723.9386	0.0001	12.4877	0.0801	12.4116
95	1497.1205	0.0007	18701.5069	0.0001	12.4917	0.0801	12.4365
100	2199.7613	0.0005	27484.5157	0.0000	12.4943	0.0800	12.4545

n	Single Payment		Equal Payment Series				Uniform Gradient- Series Factor
	Compound- amount Factor	Present- worth Factor	Compound- amount Factor	Sinking- fund Factor	Present- worth Factor	Capital- recovery Factor	
	to find F given P F/P, i, n	to find P given F P/F, i, n	to find F given A F/A, i, n	to find A given F A/F, i, n	to find P given A P/A, i, n	to find A given P A/P, i, n	
1	1.0900	0.9174	1.0000	1.0000	0.9174	1.0900	0.0000
2	1.1881	0.8417	2.0900	0.4785	1.7591	0.5685	0.4785
3	1.2950	0.7722	3.2781	0.3051	2.5313	0.3951	0.9426
4	1.4116	0.7084	4.5731	0.2187	3.2397	0.3087	1.3925
5	1.5386	0.6499	5.9847	0.1671	3.8897	0.2571	1.8282
6	1.6771	0.5963	7.5233	0.1329	4.4859	0.2229	2.2498
7	1.8280	0.5470	9.2004	0.1087	5.0330	0.1987	2.6574
8	1.9926	0.5019	11.0285	0.0907	5.5348	0.1807	3.0512
9	2.1719	0.4604	13.0210	0.0768	5.9952	0.1668	3.4312
10	2.3674	0.4224	15.1929	0.0658	6.4177	0.1558	3.7978
11	2.5804	0.3875	17.5603	0.0569	6.8052	0.1469	4.1510
12	2.8127	0.3555	20.1407	0.0497	7.1607	0.1397	4.4910
13	3.0658	0.3262	22.9534	0.0436	7.4869	0.1336	4.8182
14	3.3417	0.2992	26.0192	0.0384	7.7862	0.1284	5.1326
15	3.6425	0.2745	29.3609	0.0341	8.0607	0.1241	5.4346
16	3.9703	0.2519	33.0034	0.0303	8.3126	0.1203	5.7245
17	4.3276	0.2311	36.9737	0.0270	8.5436	0.1170	6.0024
18	4.7171	0.2120	41.3013	0.0242	8.7556	0.1142	6.2687
19	5.1417	0.1945	46.0185	0.0217	8.9501	0.1117	6.5236
20	5.6044	0.1784	51.1601	0.0195	9.1285	0.1095	6.7674
21	6.1088	0.1637	56.7645	0.0176	9.2922	0.1076	7.0006
22	6.6586	0.1502	62.8733	0.0159	9.4424	0.1059	7.2232
23	7.2579	0.1378	69.5319	0.0144	9.5802	0.1044	7.4357
24	7.9111	0.1264	76.7898	0.0130	9.7066	0.1030	7.6384
25	8.6231	0.1160	84.7009	0.0118	9.8226	0.1018	7.8316
26	9.3992	0.1064	93.3240	0.0107	9.9290	0.1007	8.0156
27	10.2451	0.0976	102.7231	0.0097	10.0266	0.0997	8.1906
28	11.1671	0.0895	112.9682	0.0089	10.1161	0.0989	8.3571
29	12.1722	0.0822	124.1354	0.0081	10.1983	0.0981	8.5154
30	13.2677	0.0754	136.3075	0.0073	10.2737	0.0973	8.6657
31	14.4618	0.0691	149.5752	0.0067	10.3428	0.0967	8.8083
32	15.7633	0.0634	164.0370	0.0061	10.4062	0.0961	8.9436
33	17.1820	0.0582	179.8003	0.0056	10.4644	0.0956	9.0718
34	18.7284	0.0534	196.9823	0.0051	10.5178	0.0951	9.1933
35	20.4140	0.0490	215.7108	0.0046	10.5668	0.0946	9.3083
40	31.4094	0.0318	337.8824	0.0030	10.7574	0.0930	9.7957
45	48.3273	0.0207	525.8587	0.0019	10.8812	0.0919	10.1603
50	74.3575	0.0134	815.0836	0.0012	10.9617	0.0912	10.4295
55	114.4083	0.0087	1260.0918	0.0008	11.0140	0.0908	10.6261
60	176.0313	0.0057	1944.7921	0.0005	11.0480	0.0905	10.7683
65	270.8460	0.0037	2998.2885	0.0003	11.0701	0.0903	10.8702
70	416.7301	0.0024	4619.2232	0.0002	11.0844	0.0902	10.9427
75	641.1909	0.0016	7113.2321	0.0001	11.0938	0.0901	10.9940
80	986.5517	0.0010	10950.5741	0.0001	11.0998	0.0901	11.0299
85	1517.9320	0.0007	16854.8003	0.0001	11.1038	0.0901	11.0551
90	2335.5266	0.0004	25939.1842	0.0000	11.1064	0.0900	11.0726
95	3593.4971	0.0003	39916.6350	0.0000	11.1080	0.0900	11.0847
100	5529.0408	0.0002	61422.6755	0.0000	11.1091	0.0900	11.0930

n	Single Payment		Equal Payment Series				Uniform Gradient- Series Factor
	Compound- amount Factor	Present- worth Factor	Compound- amount Factor	Sinking- fund Factor	Present- worth Factor	Capital- recovery Factor	
	to find F given P F/P, i, n	to find P given F P/F, i, n	to find F given A F/A, i, n	to find A given F A/F, i, n	to find P given A P/A, i, n	to find A given P A/P, i, n	to find A given G A/G, i, n
1	1.1000	0.9091	1.0000	1.0000	0.9091	1.1000	0.0000
2	1.2100	0.8264	2.1000	0.4762	1.7355	0.5762	0.4762
3	1.3310	0.7513	3.3100	0.3021	2.4869	0.4021	0.9366
4	1.4641	0.6830	4.6410	0.2155	3.1699	0.3155	1.3812
5	1.6105	0.6209	6.1051	0.1638	3.7908	0.2638	1.8101
6	1.7716	0.5645	7.7156	0.1296	4.3553	0.2296	2.2236
7	1.9487	0.5132	9.4872	0.1054	4.8684	0.2054	2.6216
8	2.1436	0.4665	11.4359	0.0874	5.3349	0.1874	3.0045
9	2.3579	0.4241	13.5795	0.0736	5.7590	0.1736	3.3724
10	2.5937	0.3855	15.9374	0.0627	6.1446	0.1627	3.7255
11	2.8531	0.3505	18.5312	0.0540	6.4951	0.1540	4.0641
12	3.1384	0.3186	21.3843	0.0468	6.8137	0.1468	4.3884
13	3.4523	0.2897	24.5227	0.0408	7.1034	0.1408	4.6988
14	3.7975	0.2633	27.9750	0.0357	7.3667	0.1357	4.9955
15	4.1772	0.2394	31.7725	0.0315	7.6061	0.1315	5.2789
16	4.5950	0.2176	35.9497	0.0278	7.8237	0.1278	5.5493
17	5.0545	0.1978	40.5447	0.0247	8.0216	0.1247	5.8071
18	5.5599	0.1799	45.5992	0.0219	8.2014	0.1219	6.0526
19	6.1159	0.1635	51.1591	0.0195	8.3649	0.1195	6.2861
20	6.7275	0.1486	57.2750	0.0175	8.5136	0.1175	6.5081
21	7.4002	0.1351	64.0025	0.0156	8.6487	0.1156	6.7189
22	8.1403	0.1228	71.4027	0.0140	8.7715	0.1140	6.9189
23	8.9543	0.1117	79.5430	0.0126	8.8832	0.1126	7.1085
24	9.8497	0.1015	88.4973	0.0113	8.9847	0.1113	7.2881
25	10.8347	0.0923	98.3471	0.0102	9.0770	0.1102	7.4580
26	11.9182	0.0839	109.1818	0.0092	9.1609	0.1092	7.6186
27	13.1100	0.0763	121.0999	0.0083	9.2372	0.1083	7.7704
28	14.4210	0.0693	134.2099	0.0075	9.3066	0.1075	7.9137
29	15.8631	0.0630	148.6309	0.0067	9.3696	0.1067	8.0489
30	17.4494	0.0573	164.4940	0.0061	9.4269	0.1061	8.1762
31	19.1943	0.0521	181.9434	0.0055	9.4790	0.1055	8.2962
32	21.1138	0.0474	201.1378	0.0050	9.5264	0.1050	8.4091
33	23.2252	0.0431	222.2515	0.0045	9.5694	0.1045	8.5152
34	25.5477	0.0391	245.4767	0.0041	9.6086	0.1041	8.6149
35	28.1024	0.0356	271.0244	0.0037	9.6442	0.1037	8.7086
40	45.2593	0.0221	442.5926	0.0023	9.7791	0.1023	9.0962
45	72.8905	0.0137	718.9048	0.0014	9.8628	0.1014	9.3740
50	117.3909	0.0085	1163.9085	0.0009	9.9148	0.1009	9.5704
55	189.0591	0.0053	1880.5914	0.0005	9.9471	0.1005	9.7075
60	304.4816	0.0033	3034.8164	0.0003	9.9672	0.1003	9.8023
65	490.3707	0.0020	4893.7073	0.0002	9.9796	0.1002	9.8672
70	789.7470	0.0013	7887.4696	0.0001	9.9873	0.1001	9.9113
75	1271.8954	0.0008	12708.9537	0.0001	9.9921	0.1001	9.9410
80	2048.4002	0.0005	20474.0021	0.0000	9.9951	0.1000	9.9609
85	3298.9690	0.0003	32979.6903	0.0000	9.9970	0.1000	9.9742
90	5313.0226	0.0002	53120.2261	0.0000	9.9981	0.1000	9.9831
95	8556.6760	0.0001	85556.7605	0.0000	9.9988	0.1000	9.9889
100	13780.6123	0.0001	137796.1234	0.0000	9.9993	0.1000	9.9927

n	Single Payment		Equal Payment Series				Uniform Gradient- Series Factor
	Compound- amount Factor	Present- worth Factor	Compound- amount Factor	Sinking- fund Factor	Present- worth Factor	Capital- recovery Factor	
	to find F given P F/P, i, n	to find P given F P/F, i, n	to find F given A F/A, i, n	to find A given F A/F, i, n	to find P given A P/A, i, n	to find A given P A/P, i, n	to find A given G A/G, i, n
1	1.1100	0.9009	1.0000	1.0000	0.9009	1.1100	0.0000
2	1.2321	0.8116	2.1100	0.4739	1.7125	0.5839	0.4739
3	1.3676	0.7312	3.3421	0.2992	2.4437	0.4092	0.9306
4	1.5181	0.6587	4.7097	0.2123	3.1024	0.3223	1.3700
5	1.6851	0.5935	6.2278	0.1606	3.6959	0.2706	1.7923
6	1.8704	0.5346	7.9129	0.1264	4.2305	0.2364	2.1976
7	2.0762	0.4817	9.7833	0.1022	4.7122	0.2122	2.5863
8	2.3045	0.4339	11.8594	0.0843	5.1461	0.1943	2.9585
9	2.5580	0.3909	14.1640	0.0706	5.5370	0.1806	3.3144
10	2.8394	0.3522	16.7220	0.0598	5.8892	0.1698	3.6544
11	3.1518	0.3173	19.5614	0.0511	6.2065	0.1611	3.9788
12	3.4985	0.2858	22.7132	0.0440	6.4924	0.1540	4.2879
13	3.8833	0.2575	26.2116	0.0382	6.7499	0.1482	4.5822
14	4.3104	0.2320	30.0949	0.0332	6.9819	0.1432	4.8619
15	4.7846	0.2090	34.4054	0.0291	7.1909	0.1391	5.1275
16	5.3109	0.1883	39.1899	0.0255	7.3792	0.1355	5.3794
17	5.8951	0.1696	44.5008	0.0225	7.5488	0.1325	5.6180
18	6.5436	0.1528	50.3959	0.0198	7.7016	0.1298	5.8439
19	7.2633	0.1377	56.9395	0.0176	7.8393	0.1276	6.0574
20	8.0623	0.1240	64.2028	0.0156	7.9633	0.1256	6.2590
21	8.9492	0.1117	72.2651	0.0138	8.0751	0.1238	6.4491
22	9.9336	0.1007	81.2143	0.0123	8.1757	0.1223	6.6283
23	11.0263	0.0907	91.1479	0.0110	8.2664	0.1210	6.7969
24	12.2392	0.0817	102.1742	0.0098	8.3481	0.1198	6.9555
25	13.5855	0.0736	114.4133	0.0087	8.4217	0.1187	7.1045
26	15.0799	0.0663	127.9988	0.0078	8.4881	0.1178	7.2443
27	16.7386	0.0597	143.0786	0.0070	8.5478	0.1170	7.3754
28	18.5799	0.0538	159.8173	0.0063	8.6016	0.1163	7.4982
29	20.6237	0.0485	178.3972	0.0056	8.6501	0.1156	7.6131
30	22.8923	0.0437	199.0209	0.0050	8.6938	0.1150	7.7206
31	25.4104	0.0394	221.9132	0.0045	8.7331	0.1145	7.8210
32	28.2056	0.0355	247.3236	0.0040	8.7686	0.1140	7.9147
33	31.3082	0.0319	275.5292	0.0036	8.8005	0.1136	8.0021
34	34.7521	0.0288	306.8374	0.0033	8.8293	0.1133	8.0836
35	38.5749	0.0259	341.5896	0.0029	8.8552	0.1129	8.1594
40	65.0009	0.0154	581.8261	0.0017	8.9511	0.1117	8.4659
45	109.5302	0.0091	986.6386	0.0010	9.0079	0.1110	8.6763
50	184.5648	0.0054	1668.7712	0.0006	9.0417	0.1106	8.8185
55	311.0025	0.0032	2818.2042	0.0004	9.0617	0.1104	8.9135
60	524.0572	0.0019	4755.0658	0.0002	9.0736	0.1102	8.9762
65	883.0669	0.0011	8018.7903	0.0001	9.0806	0.1101	9.0172
70	1488.0191	0.0007	13518.3557	0.0001	9.0848	0.1101	9.0438
75	2507.3988	0.0004	22785.4434	0.0000	9.0873	0.1100	9.0610
80	4225.1128	0.0002	38401.0250	0.0000	9.0888	0.1100	9.0720
85	7119.5607	0.0001	64714.1881	0.0000	9.0896	0.1100	9.0790
90	11996.8738	0.0001	109053.3983	0.0000	9.0902	0.1100	9.0834
95	20215.4301	0.0000	183767.5459	0.0000	9.0905	0.1100	9.0862
100	34064.1753	0.0000	309665.2297	0.0000	9.0906	0.1100	9.0880

n	Single Payment		Equal Payment Series				Uniform Gradient- Series Factor
	Compound- amount Factor	Present- worth Factor	Compound- amount Factor	Sinking- fund Factor	Present- worth Factor	Capital- recovery Factor	
	to find F given P F/P, i, n	to find P given F P/F, i, n	to find F given A F/A, i, n	to find A given F A/F, i, n	to find P given A P/A, i, n	to find A given P A/P, i, n	to find A given G A/G, i, n
1	1.1200	0.8929	1.0000	1.0000	0.8929	1.1200	0.0000
2	1.2544	0.7972	2.1200	0.4717	1.6901	0.5917	0.4717
3	1.4049	0.7118	3.3744	0.2963	2.4018	0.4163	0.9246
4	1.5735	0.6355	4.7793	0.2092	3.0373	0.3292	1.3589
5	1.7623	0.5674	6.3528	0.1574	3.6048	0.2774	1.7746
6	1.9738	0.5066	8.1152	0.1232	4.1114	0.2432	2.1720
7	2.2107	0.4523	10.0890	0.0991	4.5638	0.2191	2.5515
8	2.4760	0.4039	12.2997	0.0813	4.9676	0.2013	2.9131
9	2.7731	0.3606	14.7757	0.0677	5.3282	0.1877	3.2574
10	3.1058	0.3220	17.5487	0.0570	5.6502	0.1770	3.5847
11	3.4785	0.2875	20.6546	0.0484	5.9377	0.1684	3.8953
12	3.8960	0.2567	24.1331	0.0414	6.1944	0.1614	4.1897
13	4.3635	0.2292	28.0291	0.0357	6.4235	0.1557	4.4683
14	4.8871	0.2046	32.3926	0.0309	6.6282	0.1509	4.7317
15	5.4736	0.1827	37.2797	0.0268	6.8109	0.1468	4.9803
16	6.1304	0.1631	42.7533	0.0234	6.9740	0.1434	5.2147
17	6.8660	0.1456	48.8837	0.0205	7.1196	0.1405	5.4353
18	7.6900	0.1300	55.7497	0.0179	7.2497	0.1379	5.6427
19	8.6128	0.1161	63.4397	0.0158	7.3658	0.1358	5.8375
20	9.6463	0.1037	72.0524	0.0139	7.4694	0.1339	6.0202
21	10.8038	0.0926	81.6987	0.0122	7.5620	0.1322	6.1913
22	12.1003	0.0826	92.5026	0.0108	7.6446	0.1308	6.3514
23	13.5523	0.0738	104.6029	0.0096	7.7184	0.1296	6.5010
24	15.1786	0.0659	118.1552	0.0085	7.7843	0.1285	6.6406
25	17.0001	0.0588	133.3339	0.0075	7.8431	0.1275	6.7708
26	19.0401	0.0525	150.3339	0.0067	7.8957	0.1267	6.8921
27	21.3249	0.0469	169.3740	0.0059	7.9426	0.1259	7.0049
28	23.8839	0.0419	190.6989	0.0052	7.9844	0.1252	7.1098
29	26.7499	0.0374	214.5828	0.0047	8.0218	0.1247	7.2071
30	29.9599	0.0334	241.3327	0.0041	8.0552	0.1241	7.2974
31	33.5551	0.0298	271.2926	0.0037	8.0850	0.1237	7.3811
32	37.5817	0.0266	304.8477	0.0033	8.1116	0.1233	7.4586
33	42.0915	0.0238	342.4294	0.0029	8.1354	0.1229	7.5302
34	47.1425	0.0212	384.5210	0.0026	8.1566	0.1226	7.5965
35	52.7996	0.0189	431.6635	0.0023	8.1755	0.1223	7.6577
40	93.0510	0.0107	767.0914	0.0013	8.2438	0.1213	7.8988
45	163.9876	0.0061	1358.2300	0.0007	8.2825	0.1207	8.0572
50	289.0022	0.0035	2400.0182	0.0004	8.3045	0.1204	8.1597
55	509.3206	0.0020	4236.0050	0.0002	8.3170	0.1202	8.2251
60	897.5969	0.0011	7471.6411	0.0001	8.3240	0.1201	8.2664
65	1581.8725	0.0006	13173.9374	0.0001	8.3281	0.1201	8.2922
70	2787.7998	0.0004	23223.3319	0.0000	8.3303	0.1200	8.3082
75	4913.0558	0.0002	40933.7987	0.0000	8.3316	0.1200	8.3181
80	8658.4831	0.0001	72145.6925	0.0000	8.3324	0.1200	8.3241
85	15259.2057	0.0001	127151.7140	0.0000	8.3328	0.1200	8.3278
90	26891.9342	0.0000	224091.1185	0.0000	8.3330	0.1200	8.3300
95	47392.7766	0.0000	394931.4719	0.0000	8.3332	0.1200	8.3313
100	83522.2657	0.0000	696010.5477	0.0000	8.3332	0.1200	8.3321

n	Single Payment		Equal Payment Series				Uniform Gradient- Series Factor
	Compound- amount Factor	Present- worth Factor	Compound- amount Factor	Sinking- fund Factor	Present- worth Factor	Capital- recovery Factor	
	to find F given P F/P, i, n	to find P given F P/F, i, n	to find F given A F/A, i, n	to find A given F A/F, i, n	to find P given A P/A, i, n	to find A given P A/P, i, n	
1	1.1300	0.8850	1.0000	1.0000	0.8850	1.1300	0.0000
2	1.2769	0.7831	2.1300	0.4695	1.6681	0.5995	0.4695
3	1.4429	0.6931	3.4069	0.2935	2.3612	0.4235	0.9187
4	1.6305	0.6133	4.8498	0.2062	2.9745	0.3362	1.3479
5	1.8424	0.5428	6.4803	0.1543	3.5172	0.2843	1.7571
6	2.0820	0.4803	8.3227	0.1202	3.9975	0.2502	2.1468
7	2.3526	0.4251	10.4047	0.0961	4.4226	0.2261	2.5171
8	2.6584	0.3762	12.7573	0.0784	4.7988	0.2084	2.8685
9	3.0040	0.3329	15.4157	0.0649	5.1317	0.1949	3.2014
10	3.3946	0.2946	18.4197	0.0543	5.4262	0.1843	3.5162
11	3.8359	0.2607	21.8143	0.0458	5.6869	0.1758	3.8134
12	4.3345	0.2307	25.6502	0.0390	5.9176	0.1690	4.0936
13	4.8980	0.2042	29.9847	0.0334	6.1218	0.1634	4.3573
14	5.5348	0.1807	34.8827	0.0287	6.3025	0.1587	4.6050
15	6.2543	0.1599	40.4175	0.0247	6.4624	0.1547	4.8375
16	7.0673	0.1415	46.6717	0.0214	6.6039	0.1514	5.0552
17	7.9861	0.1252	53.7391	0.0186	6.7291	0.1486	5.2589
18	9.0243	0.1108	61.7251	0.0162	6.8399	0.1462	5.4491
19	10.1974	0.0981	70.7494	0.0141	6.9380	0.1441	5.6265
20	11.5231	0.0868	80.9468	0.0124	7.0248	0.1424	5.7917
21	13.0211	0.0768	92.4699	0.0108	7.1016	0.1408	5.9454
22	14.7138	0.0680	105.4910	0.0095	7.1695	0.1395	6.0881
23	16.6266	0.0601	120.2048	0.0083	7.2297	0.1383	6.2205
24	18.7881	0.0532	136.8315	0.0073	7.2829	0.1373	6.3431
25	21.2305	0.0471	155.6196	0.0064	7.3300	0.1364	6.4566
26	23.9905	0.0417	176.8501	0.0057	7.3717	0.1357	6.5614
27	27.1093	0.0369	200.8406	0.0050	7.4086	0.1350	6.6582
28	30.6335	0.0326	227.9499	0.0044	7.4412	0.1344	6.7474
29	34.6158	0.0289	258.5834	0.0039	7.4701	0.1339	6.8296
30	39.1159	0.0256	293.1992	0.0034	7.4957	0.1334	6.9052
31	44.2010	0.0226	332.3151	0.0030	7.5183	0.1330	6.9747
32	49.9471	0.0200	376.5161	0.0027	7.5383	0.1327	7.0385
33	56.4402	0.0177	426.4632	0.0023	7.5560	0.1323	7.0971
34	63.7774	0.0157	482.9034	0.0021	7.5717	0.1321	7.1507
35	72.0685	0.0139	546.6808	0.0018	7.5856	0.1318	7.1998
40	132.7816	0.0075	1013.7042	0.0010	7.6344	0.1310	7.3888
45	244.6414	0.0041	1874.1646	0.0005	7.6609	0.1305	7.5076
50	450.7359	0.0022	3459.5071	0.0003	7.6752	0.1303	7.5811
55	830.4517	0.0012	6380.3979	0.0002	7.6830	0.1302	7.6260
60	1530.0535	0.0007	11761.9498	0.0001	7.6873	0.1301	7.6531
65	2819.0243	0.0004	21677.1103	0.0000	7.6896	0.1300	7.6692
70	5193.8696	0.0002	39945.1510	0.0000	7.6908	0.1300	7.6788
75	9569.3681	0.0001	73602.8316	0.0000	7.6915	0.1300	7.6845
80	17630.9405	0.0001	135614.9266	0.0000	7.6919	0.1300	7.6878
85	32483.8649	0.0000	249868.1918	0.0000	7.6921	0.1300	7.6897
90	59849.4155	0.0000	460372.4271	0.0000	7.6922	0.1300	7.6908
95	110268.6686	0.0000	848212.8355	0.0000	7.6922	0.1300	7.6914
100	203162.8742	0.0000	1562783.6479	0.0000	7.6923	0.1300	7.6918

n	Single Payment		Equal Payment Series				Uniform Gradient-Series Factor
	Compound-amount Factor	Present-worth Factor	Compound-amount Factor	Sinking-fund Factor	Present-worth Factor	Capital-recovery Factor	
	to find F given P F/P, i, n	to find P given F P/F, i, n	to find F given A F/A, i, n	to find A given F A/F, i, n	to find P given A P/A, i, n	to find A given P A/P, i, n	
1	1.1400	0.8772	1.0000	1.0000	0.8772	1.1400	0.0000
2	1.2996	0.7695	2.1400	0.4673	1.6467	0.6073	0.4673
3	1.4815	0.6750	3.4396	0.2907	2.3216	0.4307	0.9129
4	1.6890	0.5921	4.9211	0.2032	2.9137	0.3432	1.3370
5	1.9254	0.5194	6.6101	0.1513	3.4331	0.2913	1.7399
6	2.1950	0.4556	8.5355	0.1172	3.8887	0.2572	2.1218
7	2.5023	0.3996	10.7305	0.0932	4.2883	0.2332	2.4832
8	2.8526	0.3506	13.2328	0.0756	4.6389	0.2156	2.8246
9	3.2519	0.3075	16.0853	0.0622	4.9464	0.2022	3.1463
10	3.7072	0.2697	19.3373	0.0517	5.2161	0.1917	3.4490
11	4.2262	0.2366	23.0445	0.0434	5.4527	0.1834	3.7333
12	4.8179	0.2076	27.2707	0.0367	5.6603	0.1767	3.9998
13	5.4924	0.1821	32.0887	0.0312	5.8424	0.1712	4.2491
14	6.2613	0.1597	37.5811	0.0266	6.0021	0.1666	4.4819
15	7.1379	0.1401	43.8424	0.0228	6.1422	0.1628	4.6990
16	8.1372	0.1229	50.9804	0.0196	6.2651	0.1596	4.9011
17	9.2765	0.1078	59.1176	0.0169	6.3729	0.1569	5.0888
18	10.5752	0.0946	68.3941	0.0146	6.4674	0.1546	5.2630
19	12.0557	0.0829	78.9692	0.0127	6.5504	0.1527	5.4243
20	13.7435	0.0728	91.0249	0.0110	6.6231	0.1510	5.5734
21	15.6676	0.0638	104.7684	0.0095	6.6870	0.1495	5.7111
22	17.8610	0.0560	120.4360	0.0083	6.7429	0.1483	5.8381
23	20.3616	0.0491	138.2970	0.0072	6.7921	0.1472	5.9549
24	23.2122	0.0431	158.6586	0.0063	6.8351	0.1463	6.0624
25	26.4619	0.0378	181.8708	0.0055	6.8729	0.1455	6.1610
26	30.1666	0.0331	208.3327	0.0048	6.9061	0.1448	6.2514
27	34.3899	0.0291	238.4993	0.0042	6.9352	0.1442	6.3342
28	39.2045	0.0255	272.8892	0.0037	6.9607	0.1437	6.4100
29	44.6931	0.0224	312.0937	0.0032	6.9830	0.1432	6.4791
30	50.9502	0.0196	356.7868	0.0028	7.0027	0.1428	6.5423
31	58.0832	0.0172	407.7370	0.0025	7.0199	0.1425	6.5998
32	66.2148	0.0151	465.8202	0.0021	7.0350	0.1421	6.6522
33	75.4849	0.0132	532.0350	0.0019	7.0482	0.1419	6.6998
34	86.0528	0.0116	607.5199	0.0016	7.0599	0.1416	6.7431
35	98.1002	0.0102	693.5727	0.0014	7.0700	0.1414	6.7824
40	188.8835	0.0053	1342.0251	0.0007	7.1050	0.1407	6.9300
45	363.6791	0.0027	2590.5648	0.0004	7.1232	0.1404	7.0188
50	700.2330	0.0014	4994.5213	0.0002	7.1327	0.1402	7.0714
55	1348.2388	0.0007	9623.1343	0.0001	7.1376	0.1401	7.1020
60	2595.9187	0.0004	18535.1333	0.0001	7.1401	0.1401	7.1197
65	4998.2196	0.0002	35694.4260	0.0000	7.1414	0.1400	7.1298
70	9623.6450	0.0001	68733.1785	0.0000	7.1421	0.1400	7.1356
75	18529.5064	0.0001	132346.4742	0.0000	7.1425	0.1400	7.1388
80	35676.9818	0.0000	254828.4415	0.0000	7.1427	0.1400	7.1406
85	68692.9810	0.0000	490657.0073	0.0000	7.1428	0.1400	7.1416
90	132262.4674	0.0000	944724.7670	0.0000	7.1428	0.1400	7.1422
95	254660.0834	0.0000	1818993.4528	0.0000	7.1428	0.1400	7.1425
100	490326.2381	0.0000	3502323.1295	0.0000	7.1428	0.1400	7.1427

n	Single Payment		Equal Payment Series				Uniform Gradient- Series Factor
	Compound- amount Factor	Present- worth Factor	Compound- amount Factor	Sinking- fund Factor	Present- worth Factor	Capital- recovery Factor	
	to find F given P F/P, i, n	to find P given F P/F, i, n	to find F given A F/A, i, n	to find A given F A/F, i, n	to find P given A P/A, i, n	to find A given P A/P, i, n	
1	1.1500	0.8696	1.0000	1.0000	0.8696	1.1500	0.0000
2	1.3225	0.7561	2.1500	0.4651	1.6257	0.6151	0.4651
3	1.5209	0.6575	3.4725	0.2880	2.2832	0.4380	0.9071
4	1.7490	0.5718	4.9934	0.2003	2.8550	0.3503	1.3263
5	2.0114	0.4972	6.7424	0.1483	3.3522	0.2983	1.7228
6	2.3131	0.4323	8.7537	0.1142	3.7845	0.2642	2.0972
7	2.6600	0.3759	11.0668	0.0904	4.1604	0.2404	2.4498
8	3.0590	0.3269	13.7268	0.0729	4.4873	0.2229	2.7813
9	3.5179	0.2843	16.7858	0.0596	4.7716	0.2096	3.0922
10	4.0456	0.2472	20.3037	0.0493	5.0188	0.1993	3.3832
11	4.6524	0.2149	24.3493	0.0411	5.2337	0.1911	3.6549
12	5.3503	0.1869	29.0017	0.0345	5.4206	0.1845	3.9082
13	6.1528	0.1625	34.3519	0.0291	5.5831	0.1791	4.1438
14	7.0757	0.1413	40.5047	0.0247	5.7245	0.1747	4.3624
15	8.1371	0.1229	47.5804	0.0210	5.8474	0.1710	4.5650
16	9.3576	0.1069	55.7175	0.0179	5.9542	0.1679	4.7522
17	10.7613	0.0929	65.0751	0.0154	6.0472	0.1654	4.9251
18	12.3755	0.0808	75.8364	0.0132	6.1280	0.1632	5.0843
19	14.2318	0.0703	88.2118	0.0113	6.1982	0.1613	5.2307
20	16.3665	0.0611	102.4436	0.0098	6.2593	0.1598	5.3651
21	18.8215	0.0531	118.8101	0.0084	6.3125	0.1584	5.4883
22	21.6447	0.0462	137.6316	0.0073	6.3587	0.1573	5.6010
23	24.8915	0.0402	159.2764	0.0063	6.3988	0.1563	5.7040
24	28.6252	0.0349	184.1678	0.0054	6.4338	0.1554	5.7979
25	32.9190	0.0304	212.7930	0.0047	6.4641	0.1547	5.8834
26	37.8568	0.0264	245.7120	0.0041	6.4906	0.1541	5.9612
27	43.5353	0.0230	283.5688	0.0035	6.5135	0.1535	6.0319
28	50.0656	0.0200	327.1041	0.0031	6.5335	0.1531	6.0960
29	57.5755	0.0174	377.1697	0.0027	6.5509	0.1527	6.1541
30	66.2118	0.0151	434.7451	0.0023	6.5660	0.1523	6.2066
31	76.1435	0.0131	500.9569	0.0020	6.5791	0.1520	6.2541
32	87.5651	0.0114	577.1005	0.0017	6.5905	0.1517	6.2970
33	100.6998	0.0099	664.6655	0.0015	6.6005	0.1515	6.3357
34	115.8048	0.0086	765.3654	0.0013	6.6091	0.1513	6.3705
35	133.1755	0.0075	881.1702	0.0011	6.6166	0.1511	6.4019
40	267.8635	0.0037	1779.0903	0.0006	6.6418	0.1506	6.5168
45	538.7693	0.0019	3585.1285	0.0003	6.6543	0.1503	6.5830
50	1083.6574	0.0009	7217.7163	0.0001	6.6605	0.1501	6.6205
55	2179.6222	0.0005	14524.1479	0.0001	6.6636	0.1501	6.6414
60	4383.9987	0.0002	29219.9916	0.0000	6.6651	0.1500	6.6530
65	8817.7874	0.0001	58778.5826	0.0000	6.6659	0.1500	6.6593
70	17735.7200	0.0001	118231.4669	0.0000	6.6663	0.1500	6.6627
75	35672.8680	0.0000	237812.4532	0.0000	6.6665	0.1500	6.6646
80	71750.8794	0.0000	478332.5293	0.0000	6.6666	0.1500	6.6656
85	144316.6470	0.0000	962104.3133	0.0000	6.6666	0.1500	6.6661
90	290272.3252	0.0000	1935142.1680	0.0000	6.6666	0.1500	6.6664
95	583841.3276	0.0000	3892268.8509	0.0000	6.6667	0.1500	6.6665
100	1174313.4507	0.0000	7828749.6713	0.0000	6.6667	0.1500	6.6666

n	Single Payment		Equal Payment Series				Uniform Gradient- Series Factor
	Compound- amount Factor	Present- worth Factor	Compound- amount Factor	Sinking- fund Factor	Present- worth Factor	Capital- recovery Factor	
	to find F given P F/P, i, n	to find P given F P/F, i, n	to find F given A F/A, i, n	to find A given F A/F, i, n	to find P given A P/A, i, n	to find A given P A/P, i, n	
1	1.1600	0.8621	1.0000	1.0000	0.8621	1.1600	0.0000
2	1.3456	0.7432	2.1600	0.4630	1.6052	0.6230	0.4630
3	1.5609	0.6407	3.5056	0.2853	2.2459	0.4453	0.9014
4	1.8106	0.5523	5.0665	0.1974	2.7982	0.3574	1.3156
5	2.1003	0.4761	6.8771	0.1454	3.2743	0.3054	1.7060
6	2.4364	0.4104	8.9775	0.1114	3.6847	0.2714	2.0729
7	2.8262	0.3538	11.4139	0.0876	4.0386	0.2476	2.4169
8	3.2784	0.3050	14.2401	0.0702	4.3436	0.2302	2.7388
9	3.8030	0.2630	17.5185	0.0571	4.6065	0.2171	3.0391
10	4.4114	0.2267	21.3215	0.0469	4.8332	0.2069	3.3187
11	5.1173	0.1954	25.7329	0.0389	5.0286	0.1989	3.5783
12	5.9360	0.1685	30.8502	0.0324	5.1971	0.1924	3.8189
13	6.8858	0.1452	36.7862	0.0272	5.3423	0.1872	4.0413
14	7.9875	0.1252	43.6720	0.0229	5.4675	0.1829	4.2464
15	9.2655	0.1079	51.6595	0.0194	5.5755	0.1794	4.4352
16	10.7480	0.0930	60.9250	0.0164	5.6685	0.1764	4.6086
17	12.4677	0.0802	71.6730	0.0140	5.7487	0.1740	4.7676
18	14.4625	0.0691	84.1407	0.0119	5.8178	0.1719	4.9130
19	16.7765	0.0596	98.6032	0.0101	5.8775	0.1701	5.0457
20	19.4608	0.0514	115.3797	0.0087	5.9288	0.1687	5.1666
21	22.5745	0.0443	134.8405	0.0074	5.9731	0.1674	5.2766
22	26.1864	0.0382	157.4150	0.0064	6.0113	0.1664	5.3765
23	30.3762	0.0329	183.6014	0.0054	6.0442	0.1654	5.4671
24	35.2364	0.0284	213.9776	0.0047	6.0726	0.1647	5.5490
25	40.8742	0.0245	249.2140	0.0040	6.0971	0.1640	5.6230
26	47.4141	0.0211	290.0883	0.0034	6.1182	0.1634	5.6898
27	55.0004	0.0182	337.5024	0.0030	6.1364	0.1630	5.7500
28	63.8004	0.0157	392.5028	0.0025	6.1520	0.1625	5.8041
29	74.0085	0.0135	456.3032	0.0022	6.1656	0.1622	5.8528
30	85.8499	0.0116	530.3117	0.0019	6.1772	0.1619	5.8964
31	99.5859	0.0100	616.1616	0.0016	6.1872	0.1616	5.9356
32	115.5196	0.0087	715.7475	0.0014	6.1959	0.1614	5.9706
33	134.0027	0.0075	831.2671	0.0012	6.2034	0.1612	6.0019
34	155.4432	0.0064	965.2698	0.0010	6.2098	0.1610	6.0299
35	180.3141	0.0055	1120.7130	0.0009	6.2153	0.1609	6.0548
40	378.7212	0.0026	2360.7572	0.0004	6.2335	0.1604	6.1441
45	795.4438	0.0013	4965.2739	0.0002	6.2421	0.1602	6.1934
50	1670.7038	0.0006	10435.6488	0.0001	6.2463	0.1601	6.2201
55	3509.0488	0.0003	21925.3050	0.0000	6.2482	0.1600	6.2343
60	7370.2014	0.0001	46057.5085	0.0000	6.2492	0.1600	6.2419
65	15479.9410	0.0001	96743.3810	0.0000	6.2496	0.1600	6.2458
70	32513.1648	0.0000	203201.0302	0.0000	6.2498	0.1600	6.2478
75	68288.7545	0.0000	426798.4658	0.0000	6.2499	0.1600	6.2489
80	143429.7159	0.0000	896429.4743	0.0000	6.2500	0.1600	6.2494
85	301251.4072	0.0000	1882815.0451	0.0000	6.2500	0.1600	6.2497
90	632730.8800	0.0000	3954561.7500	0.0000	6.2500	0.1600	6.2499
95	1328951.0253	0.0000	8305937.6582	0.0000	6.2500	0.1600	6.2499
100	2791251.1994	0.0000	17445313.7461	0.0000	6.2500	0.1600	6.2500

n	Single Payment		Equal Payment Series				Uniform Gradient- Series Factor
	Compound- amount Factor	Present- worth Factor	Compound- amount Factor	Sinking- fund Factor	Present- worth Factor	Capital- recovery Factor	
	to find F given P F/P, i, n	to find P given F P/F, i, n	to find F given A F/A, i, n	to find A given F A/F, i, n	to find P given A P/A, i, n	to find A given P A/P, i, n	
1	1.1700	0.8547	1.0000	1.0000	0.8547	1.1700	0.0000
2	1.3689	0.7305	2.1700	0.4608	1.5852	0.6308	0.4608
3	1.6016	0.6244	3.5389	0.2826	2.2096	0.4526	0.8958
4	1.8739	0.5337	5.1405	0.1945	2.7432	0.3645	1.3051
5	2.1924	0.4561	7.0144	0.1426	3.1993	0.3126	1.6893
6	2.5652	0.3898	9.2068	0.1086	3.5892	0.2786	2.0489
7	3.0012	0.3332	11.7720	0.0849	3.9224	0.2549	2.3845
8	3.5115	0.2848	14.7733	0.0677	4.2072	0.2377	2.6969
9	4.1084	0.2434	18.2847	0.0547	4.4506	0.2247	2.9870
10	4.8068	0.2080	22.3931	0.0447	4.6586	0.2147	3.2555
11	5.6240	0.1778	27.1999	0.0368	4.8364	0.2068	3.5035
12	6.5801	0.1520	32.8239	0.0305	4.9884	0.2005	3.7318
13	7.6987	0.1299	39.4040	0.0254	5.1183	0.1954	3.9417
14	9.0075	0.1110	47.1027	0.0212	5.2293	0.1912	4.1340
15	10.5387	0.0949	56.1101	0.0178	5.3242	0.1878	4.3098
16	12.3303	0.0811	66.6488	0.0150	5.4053	0.1850	4.4702
17	14.4265	0.0693	78.9792	0.0127	5.4746	0.1827	4.6162
18	16.8790	0.0592	93.4056	0.0107	5.5339	0.1807	4.7488
19	19.7484	0.0506	110.2846	0.0091	5.5845	0.1791	4.8689
20	23.1056	0.0433	130.0329	0.0077	5.6278	0.1777	4.9776
21	27.0336	0.0370	153.1385	0.0065	5.6648	0.1765	5.0757
22	31.6293	0.0316	180.1721	0.0056	5.6964	0.1756	5.1641
23	37.0062	0.0270	211.8013	0.0047	5.7234	0.1747	5.2436
24	43.2973	0.0231	248.8076	0.0040	5.7465	0.1740	5.3149
25	50.6578	0.0197	292.1049	0.0034	5.7662	0.1734	5.3789
26	59.2697	0.0169	342.7627	0.0029	5.7831	0.1729	5.4362
27	69.3455	0.0144	402.0323	0.0025	5.7975	0.1725	5.4873
28	81.1342	0.0123	471.3778	0.0021	5.8099	0.1721	5.5329
29	94.9271	0.0105	552.5121	0.0018	5.8204	0.1718	5.5736
30	111.0647	0.0090	647.4391	0.0015	5.8294	0.1715	5.6098
31	129.9456	0.0077	758.5038	0.0013	5.8371	0.1713	5.6419
32	152.0364	0.0066	888.4494	0.0011	5.8437	0.1711	5.6705
33	177.8826	0.0056	1040.4858	0.0010	5.8493	0.1710	5.6958
34	208.1226	0.0048	1218.3684	0.0008	5.8541	0.1708	5.7182
35	243.5035	0.0041	1426.4910	0.0007	5.8582	0.1707	5.7380
40	533.8687	0.0019	3134.5218	0.0003	5.8713	0.1703	5.8073
45	1170.4794	0.0009	6879.2907	0.0001	5.8773	0.1701	5.8439
50	2566.2153	0.0004	15089.5017	0.0001	5.8801	0.1701	5.8629
55	5626.2937	0.0002	33089.9627	0.0000	5.8813	0.1700	5.8726
60	12335.3565	0.0001	72555.0381	0.0000	5.8819	0.1700	5.8775
65	27044.6281	0.0000	159080.1652	0.0000	5.8821	0.1700	5.8799
70	59293.9417	0.0000	348782.0102	0.0000	5.8823	0.1700	5.8812
75	129998.8861	0.0000	764693.4475	0.0000	5.8823	0.1700	5.8818
80	285015.8024	0.0000	1676557.6612	0.0000	5.8823	0.1700	5.8821
85	624882.3361	0.0000	3675772.5655	0.0000	5.8823	0.1700	5.8822
90	1370022.0504	0.0000	8058947.3554	0.0000	5.8823	0.1700	5.8823
95	3003702.1533	0.0000	17668830.3135	0.0000	5.8824	0.1700	5.8823
100	6585460.8858	0.0000	38737999.3285	0.0000	5.8824	0.1700	5.8823

n	Single Payment		Equal Payment Series				Uniform Gradient-Series Factor to find A A/G, i, n
	Compound-amount Factor to find F given P F/P, i, n	Present-worth Factor to find P given F P/F, i, n	Compound-amount Factor to find F given A F/A, i, n	Sinking-fund Factor to find A given F A/F, i, n	Present-worth Factor to find P given A P/A, i, n	Capital-recovery Factor to find A given P A/P, i, n	
	1	1.1800	0.8475	1.0000	1.0000	0.8475	
2	1.3924	0.7182	2.1800	0.4587	1.5656	0.6387	0.4587
3	1.6430	0.6086	3.5724	0.2799	2.1743	0.4599	0.8902
4	1.9388	0.5158	5.2154	0.1917	2.6901	0.3717	1.2947
5	2.2878	0.4371	7.1542	0.1398	3.1272	0.3198	1.6728
6	2.6996	0.3704	9.4420	0.1059	3.4976	0.2859	2.0252
7	3.1855	0.3139	12.1415	0.0824	3.8115	0.2624	2.3526
8	3.7589	0.2660	15.3270	0.0652	4.0776	0.2452	2.6558
9	4.4355	0.2255	19.0859	0.0524	4.3030	0.2324	2.9358
10	5.2338	0.1911	23.5213	0.0425	4.4941	0.2225	3.1936
11	6.1759	0.1619	28.7551	0.0348	4.6560	0.2148	3.4303
12	7.2876	0.1372	34.9311	0.0286	4.7932	0.2086	3.6470
13	8.5994	0.1163	42.2187	0.0237	4.9095	0.2037	3.8449
14	10.1472	0.0985	50.8180	0.0197	5.0081	0.1997	4.0250
15	11.9737	0.0835	60.9653	0.0164	5.0916	0.1964	4.1887
16	14.1290	0.0708	72.9390	0.0137	5.1624	0.1937	4.3369
17	16.6722	0.0600	87.0680	0.0115	5.2223	0.1915	4.4708
18	19.6733	0.0508	103.7403	0.0096	5.2732	0.1896	4.5916
19	23.2144	0.0431	123.4135	0.0081	5.3162	0.1881	4.7003
20	27.3930	0.0365	146.6280	0.0068	5.3527	0.1868	4.7978
21	32.3238	0.0309	174.0210	0.0057	5.3837	0.1857	4.8851
22	38.1421	0.0262	206.3448	0.0048	5.4099	0.1848	4.9632
23	45.0076	0.0222	244.4868	0.0041	5.4321	0.1841	5.0329
24	53.1090	0.0188	289.4945	0.0035	5.4509	0.1835	5.0950
25	62.6686	0.0160	342.6035	0.0029	5.4669	0.1829	5.1502
26	73.9490	0.0135	405.2721	0.0025	5.4804	0.1825	5.1991
27	87.2598	0.0115	479.2211	0.0021	5.4919	0.1821	5.2425
28	102.9666	0.0097	566.4809	0.0018	5.5016	0.1818	5.2810
29	121.5005	0.0082	669.4475	0.0015	5.5098	0.1815	5.3149
30	143.3706	0.0070	790.9480	0.0013	5.5168	0.1813	5.3448
31	169.1774	0.0059	934.3186	0.0011	5.5227	0.1811	5.3712
32	199.6293	0.0050	1103.4960	0.0009	5.5277	0.1809	5.3945
33	235.5625	0.0042	1303.1253	0.0008	5.5320	0.1808	5.4149
34	277.9638	0.0036	1538.6878	0.0006	5.5356	0.1806	5.4328
35	327.9973	0.0030	1816.6516	0.0006	5.5386	0.1806	5.4485
40	750.3783	0.0013	4163.2130	0.0002	5.5482	0.1802	5.5022
45	1716.6839	0.0006	9531.5771	0.0001	5.5523	0.1801	5.5293
50	3927.3569	0.0003	21813.0937	0.0000	5.5541	0.1800	5.5428
55	8984.8411	0.0001	49910.2284	0.0000	5.5549	0.1800	5.5494
60	20555.1400	0.0000	114189.6665	0.0000	5.5553	0.1800	5.5526
65	47025.1809	0.0000	261245.4494	0.0000	5.5554	0.1800	5.5542
70	107582.2224	0.0000	597673.4576	0.0000	5.5555	0.1800	5.5549
75	246122.0637	0.0000	1367339.2429	0.0000	5.5555	0.1800	5.5553
80	563067.6604	0.0000	3128148.1133	0.0000	5.5555	0.1800	5.5554
85	1288162.4077	0.0000	7156452.2647	0.0000	5.5556	0.1800	5.5555
90	2947003.5401	0.0000	16372236.3340	0.0000	5.5556	0.1800	5.5555
95	6742030.2082	0.0000	37455717.8235	0.0000	5.5556	0.1800	5.5555
100	15424131.9055	0.0000	85689616.1414	0.0000	5.5556	0.1800	5.5555

n	Single Payment		Equal Payment Series				Uniform Gradient- Series Factor
	Compound- amount Factor	Present- worth Factor	Compound- amount Factor	Sinking- fund Factor	Present- worth Factor	Capital- recovery Factor	
	to find F given P F/P, i, n	to find P given F P/F, i, n	to find F given A F/A, i, n	to find A given F A/F, i, n	to find P given A P/A, i, n	to find A given P A/P, i, n	
1	1.1900	0.8403	1.0000	1.0000	0.8403	1.1900	0.0000
2	1.4161	0.7062	2.1900	0.4566	1.5465	0.6466	0.4566
3	1.6852	0.5934	3.6061	0.2773	2.1399	0.4673	0.8846
4	2.0053	0.4987	5.2913	0.1890	2.6386	0.3790	1.2844
5	2.3864	0.4190	7.2966	0.1371	3.0576	0.3271	1.6566
6	2.8398	0.3521	9.6830	0.1033	3.4098	0.2933	2.0019
7	3.3793	0.2959	12.5227	0.0799	3.7057	0.2699	2.3211
8	4.0214	0.2487	15.9020	0.0629	3.9544	0.2529	2.6154
9	4.7854	0.2090	19.9234	0.0502	4.1633	0.2402	2.8856
10	5.6947	0.1756	24.7089	0.0405	4.3389	0.2305	3.1331
11	6.7767	0.1476	30.4035	0.0329	4.4865	0.2229	3.3589
12	8.0642	0.1240	37.1802	0.0269	4.6105	0.2169	3.5645
13	9.5964	0.1042	45.2445	0.0221	4.7147	0.2121	3.7509
14	11.4198	0.0876	54.8409	0.0182	4.8023	0.2082	3.9196
15	13.5895	0.0736	66.2607	0.0151	4.8759	0.2051	4.0717
16	16.1715	0.0618	79.8502	0.0125	4.9377	0.2025	4.2086
17	19.2441	0.0520	96.0218	0.0104	4.9897	0.2004	4.3314
18	22.9005	0.0437	115.2659	0.0087	5.0333	0.1987	4.4413
19	27.2516	0.0367	138.1664	0.0072	5.0700	0.1972	4.5394
20	32.4294	0.0308	165.4180	0.0060	5.1009	0.1960	4.6268
21	38.5910	0.0259	197.8474	0.0051	5.1268	0.1951	4.7045
22	45.9233	0.0218	236.4385	0.0042	5.1486	0.1942	4.7734
23	54.6487	0.0183	282.3618	0.0035	5.1668	0.1935	4.8344
24	65.0320	0.0154	337.0105	0.0030	5.1822	0.1930	4.8883
25	77.3881	0.0129	402.0425	0.0025	5.1951	0.1925	4.9359
26	92.0918	0.0109	479.4306	0.0021	5.2060	0.1921	4.9777
27	109.5893	0.0091	571.5224	0.0017	5.2151	0.1917	5.0145
28	130.4112	0.0077	681.1116	0.0015	5.2228	0.1915	5.0468
29	155.1893	0.0064	811.5228	0.0012	5.2292	0.1912	5.0751
30	184.6753	0.0054	966.7122	0.0010	5.2347	0.1910	5.0998
31	219.7636	0.0046	1151.3875	0.0009	5.2392	0.1909	5.1215
32	261.5187	0.0038	1371.1511	0.0007	5.2430	0.1907	5.1403
33	311.2073	0.0032	1632.6698	0.0006	5.2462	0.1906	5.1568
34	370.3366	0.0027	1943.8771	0.0005	5.2489	0.1905	5.1711
35	440.7006	0.0023	2314.2137	0.0004	5.2512	0.1904	5.1836
40	1051.6675	0.0010	5529.8290	0.0002	5.2582	0.1902	5.2251
45	2509.6506	0.0004	13203.4242	0.0001	5.2611	0.1901	5.2452
50	5988.9139	0.0002	31515.3363	0.0000	5.2623	0.1900	5.2548
55	14291.6666	0.0001	75214.0348	0.0000	5.2628	0.1900	5.2593
60	34104.9709	0.0000	179494.5838	0.0000	5.2630	0.1900	5.2614
65	81386.5222	0.0000	428344.8535	0.0000	5.2631	0.1900	5.2624
70	194217.0251	0.0000	1022189.6056	0.0000	5.2631	0.1900	5.2628
75	463470.5086	0.0000	2439313.2029	0.0000	5.2631	0.1900	5.2630
80	1106004.5444	0.0000	5821071.2861	0.0000	5.2632	0.1900	5.2631
85	2639317.9923	0.0000	13891142.0647	0.0000	5.2632	0.1900	5.2631
90	6298346.1505	0.0000	33149185.0028	0.0000	5.2632	0.1900	5.2631
95	15030081.3876	0.0000	79105686.2507	0.0000	5.2632	0.1900	5.2632
100	35867089.7280	0.0000	188774151.1998	0.0000	5.2632	0.1900	5.2632

n	Single Payment		Equal Payment Series				Uniform Gradient- Series Factor
	Compound- amount Factor	Present- worth Factor	Compound- amount Factor	Sinking- fund Factor	Present- worth Factor	Capital- recovery Factor	
	to find F given P F/P, i, n	to find P given F P/F, i, n	to find F given A F/A, i, n	to find A given F A/F, i, n	to find P given A P/A, i, n	to find A given P A/P, i, n	to find A given G A/G, i, n
1	1.2000	0.8333	1.0000	1.0000	0.8333	1.2000	0.0000
2	1.4400	0.6944	2.2000	0.4545	1.5278	0.6545	0.4545
3	1.7280	0.5787	3.6400	0.2747	2.1065	0.4747	0.8791
4	2.0736	0.4823	5.3680	0.1863	2.5887	0.3863	1.2742
5	2.4883	0.4019	7.4416	0.1344	2.9906	0.3344	1.6405
6	2.9860	0.3349	9.9299	0.1007	3.3255	0.3007	1.9788
7	3.5832	0.2791	12.9159	0.0774	3.6046	0.2774	2.2902
8	4.2998	0.2326	16.4991	0.0606	3.8372	0.2606	2.5756
9	5.1598	0.1938	20.7989	0.0481	4.0310	0.2481	2.8364
10	6.1917	0.1615	25.9587	0.0385	4.1925	0.2385	3.0739
11	7.4301	0.1346	32.1504	0.0311	4.3271	0.2311	3.2893
12	8.9161	0.1122	39.5805	0.0253	4.4392	0.2253	3.4841
13	10.6993	0.0935	48.4966	0.0206	4.5327	0.2206	3.6597
14	12.8392	0.0779	59.1959	0.0169	4.6106	0.2169	3.8175
15	15.4070	0.0649	72.0351	0.0139	4.6755	0.2139	3.9588
16	18.4884	0.0541	87.4421	0.0114	4.7296	0.2114	4.0851
17	22.1861	0.0451	105.9306	0.0094	4.7746	0.2094	4.1976
18	26.6233	0.0376	128.1167	0.0078	4.8122	0.2078	4.2975
19	31.9480	0.0313	154.7400	0.0065	4.8435	0.2065	4.3861
20	38.3376	0.0261	186.6880	0.0054	4.8696	0.2054	4.4643
21	46.0051	0.0217	225.0256	0.0044	4.8913	0.2044	4.5334
22	55.2061	0.0181	271.0307	0.0037	4.9094	0.2037	4.5941
23	66.2474	0.0151	326.2369	0.0031	4.9245	0.2031	4.6475
24	79.4968	0.0126	392.4842	0.0025	4.9371	0.2025	4.6943
25	95.3962	0.0105	471.9811	0.0021	4.9476	0.2021	4.7352
26	114.4755	0.0087	567.3773	0.0018	4.9563	0.2018	4.7709
27	137.3706	0.0073	681.8528	0.0015	4.9636	0.2015	4.8020
28	164.8447	0.0061	819.2233	0.0012	4.9697	0.2012	4.8291
29	197.8136	0.0051	984.0680	0.0010	4.9747	0.2010	4.8527
30	237.3763	0.0042	1181.8816	0.0008	4.9789	0.2008	4.8731
31	284.8516	0.0035	1419.2579	0.0007	4.9824	0.2007	4.8908
32	341.8219	0.0029	1704.1095	0.0006	4.9854	0.2006	4.9061
33	410.1863	0.0024	2045.9314	0.0005	4.9878	0.2005	4.9194
34	492.2235	0.0020	2456.1176	0.0004	4.9898	0.2004	4.9308
35	590.6682	0.0017	2948.3411	0.0003	4.9915	0.2003	4.9406
40	1469.7716	0.0007	7343.8578	0.0001	4.9966	0.2001	4.9728
45	3657.2620	0.0003	18281.3099	0.0001	4.9986	0.2001	4.9877
50	9100.4382	0.0001	45497.1908	0.0000	4.9995	0.2000	4.9945
55	22644.8023	0.0000	113219.0113	0.0000	4.9998	0.2000	4.9976
60	56347.5144	0.0000	281732.5718	0.0000	4.9999	0.2000	4.9989
65	140210.6469	0.0000	701048.2346	0.0000	5.0000	0.2000	4.9995
70	348888.9569	0.0000	1744439.7847	0.0000	5.0000	0.2000	4.9998
75	868147.3693	0.0000	4340731.8466	0.0000	5.0000	0.2000	4.9999
80	2160228.4620	0.0000	10801137.3101	0.0000	5.0000	0.2000	5.0000
85	5375339.6866	0.0000	26876693.4329	0.0000	5.0000	0.2000	5.0000
90	13375565.2489	0.0000	66877821.2447	0.0000	5.0000	0.2000	5.0000
95	33282686.5202	0.0000	166413427.6011	0.0000	5.0000	0.2000	5.0000
100	82817974.5220	0.0000	414089867.6101	0.0000	5.0000	0.2000	5.0000

n	Single Payment		Equal Payment Series				Uniform Gradient-Series Factor
	Compound-amount Factor	Present-worth Factor	Compound-amount Factor	Sinking-fund Factor	Present-worth Factor	Capital-recovery Factor	
	to find F given P F/P, i, n	to find P given F P/F, i, n	to find F given A F/A, i, n	to find A given F A/F, i, n	to find P given A P/A, i, n	to find A given P A/P, i, n	to find A given G A/G, i, n
1	1.2500	0.8000	1.0000	1.0000	0.8000	1.2500	0.0000
2	1.5625	0.6400	2.2500	0.4444	1.4400	0.6944	0.4444
3	1.9531	0.5120	3.8125	0.2623	1.9520	0.5123	0.8525
4	2.4414	0.4096	5.7656	0.1734	2.3616	0.4234	1.2249
5	3.0518	0.3277	8.2070	0.1218	2.6893	0.3718	1.5631
6	3.8147	0.2621	11.2588	0.0888	2.9514	0.3388	1.8683
7	4.7684	0.2097	15.0735	0.0663	3.1611	0.3163	2.1424
8	5.9605	0.1678	19.8419	0.0504	3.3289	0.3004	2.3872
9	7.4506	0.1342	25.8023	0.0388	3.4631	0.2888	2.6048
10	9.3132	0.1074	33.2529	0.0301	3.5705	0.2801	2.7971
11	11.6415	0.0859	42.5661	0.0235	3.6564	0.2735	2.9663
12	14.5519	0.0687	54.2077	0.0184	3.7251	0.2684	3.1145
13	18.1899	0.0550	68.7596	0.0145	3.7801	0.2645	3.2437
14	22.7374	0.0440	86.9495	0.0115	3.8241	0.2615	3.3559
15	28.4217	0.0352	109.6868	0.0091	3.8593	0.2591	3.4530
16	35.5271	0.0281	138.1085	0.0072	3.8874	0.2572	3.5366
17	44.4089	0.0225	173.6357	0.0058	3.9099	0.2558	3.6084
18	55.5112	0.0180	218.0446	0.0046	3.9279	0.2546	3.6698
19	69.3889	0.0144	273.5558	0.0037	3.9424	0.2537	3.7222
20	86.7362	0.0115	342.9447	0.0029	3.9539	0.2529	3.7667
21	108.4202	0.0092	429.6809	0.0023	3.9631	0.2523	3.8045
22	135.5253	0.0074	538.1011	0.0019	3.9705	0.2519	3.8365
23	169.4066	0.0059	673.6264	0.0015	3.9764	0.2515	3.8634
24	211.7582	0.0047	843.0329	0.0012	3.9811	0.2512	3.8861
25	264.6978	0.0038	1054.7912	0.0009	3.9849	0.2509	3.9052
26	330.8722	0.0030	1319.4890	0.0008	3.9879	0.2508	3.9212
27	413.5903	0.0024	1650.3612	0.0006	3.9903	0.2506	3.9346
28	516.9879	0.0019	2063.9515	0.0005	3.9923	0.2505	3.9457
29	646.2349	0.0015	2580.9394	0.0004	3.9938	0.2504	3.9551
30	807.7936	0.0012	3227.1743	0.0003	3.9950	0.2503	3.9628
31	1009.7420	0.0010	4034.9678	0.0002	3.9960	0.2502	3.9693
32	1262.1774	0.0008	5044.7098	0.0002	3.9968	0.2502	3.9746
33	1577.7218	0.0006	6306.8872	0.0002	3.9975	0.2502	3.9791
34	1972.1523	0.0005	7884.6091	0.0001	3.9980	0.2501	3.9828
35	2465.1903	0.0004	9856.7613	0.0001	3.9984	0.2501	3.9858
40	7523.1638	0.0001	30088.6554	0.0000	3.9995	0.2500	3.9947
45	22958.8740	0.0000	91831.4962	0.0000	3.9998	0.2500	3.9980
50	70064.9232	0.0000	280255.6929	0.0000	3.9999	0.2500	3.9993
55	213821.1768	0.0000	855280.7072	0.0000	4.0000	0.2500	3.9997
60	652530.4468	0.0000	2610117.7872	0.0000	4.0000	0.2500	3.9999
65	1991364.8889	0.0000	7965455.5557	0.0000	4.0000	0.2500	4.0000
70	6077163.3573	0.0000	24308649.4291	0.0000	4.0000	0.2500	4.0000
75	18546030.7534	0.0000	74184119.0137	0.0000	4.0000	0.2500	4.0000
80	56597994.2427	0.0000	226391972.9707	0.0000	4.0000	0.2500	4.0000
85	172723371.1019	0.0000	690893480.4076	0.0000	4.0000	0.2500	4.0000
90	527109897.1615	0.0000	2108439584.6461	0.0000	4.0000	0.2500	4.0000
95	1608611746.7088	0.0000	6434446982.8350	0.0000	4.0000	0.2500	4.0000
100	4909093465.2977	0.0000	19636373857.1909	0.0000	4.0000	0.2500	4.0000

n	Single Payment		Equal Payment Series				Uniform Gradient-Series Factor
	Compound-amount Factor	Present-worth Factor	Compound-amount Factor	Sinking-fund Factor	Present-worth Factor	Capital-recovery Factor	
	to find F given P F/P, i, n	to find P given F P/F, i, n	to find F given A F/A, i, n	to find A given F A/F, i, n	to find P given A P/A, i, n	to find A given P A/P, i, n	to find A given G A/G, i, n
1	1.3000	0.7692	1.0000	1.0000	0.7692	1.3000	0.0000
2	1.6900	0.5917	2.3000	0.4348	1.3609	0.7348	0.4348
3	2.1970	0.4552	3.9900	0.2506	1.8161	0.5506	0.8271
4	2.8561	0.3501	6.1870	0.1616	2.1662	0.4616	1.1783
5	3.7129	0.2693	9.0431	0.1106	2.4356	0.4106	1.4903
6	4.8268	0.2072	12.7560	0.0784	2.6427	0.3784	1.7654
7	6.2749	0.1594	17.5828	0.0569	2.8021	0.3569	2.0063
8	8.1573	0.1226	23.8577	0.0419	2.9247	0.3419	2.2156
9	10.6045	0.0943	32.0150	0.0312	3.0190	0.3312	2.3963
10	13.7858	0.0725	42.6195	0.0235	3.0915	0.3235	2.5512
11	17.9216	0.0558	56.4053	0.0177	3.1473	0.3177	2.6833
12	23.2981	0.0429	74.3270	0.0135	3.1903	0.3135	2.7952
13	30.2875	0.0330	97.6250	0.0102	3.2233	0.3102	2.8895
14	39.3738	0.0254	127.9125	0.0078	3.2487	0.3078	2.9685
15	51.1859	0.0195	167.2863	0.0060	3.2682	0.3060	3.0344
16	66.5417	0.0150	218.4722	0.0046	3.2832	0.3046	3.0892
17	86.5042	0.0116	285.0139	0.0035	3.2948	0.3035	3.1345
18	112.4554	0.0089	371.5180	0.0027	3.3037	0.3027	3.1718
19	146.1920	0.0068	483.9734	0.0021	3.3105	0.3021	3.2025
20	190.0496	0.0053	630.1655	0.0016	3.3158	0.3016	3.2275
21	247.0645	0.0040	820.2151	0.0012	3.3198	0.3012	3.2480
22	321.1839	0.0031	1067.2796	0.0009	3.3230	0.3009	3.2646
23	417.5391	0.0024	1388.4635	0.0007	3.3254	0.3007	3.2781
24	542.8008	0.0018	1806.0026	0.0006	3.3272	0.3006	3.2890
25	705.6410	0.0014	2348.8033	0.0004	3.3286	0.3004	3.2979
26	917.3333	0.0011	3054.4443	0.0003	3.3297	0.3003	3.3050
27	1192.5333	0.0008	3971.7776	0.0003	3.3305	0.3003	3.3107
28	1550.2933	0.0006	5164.3109	0.0002	3.3312	0.3002	3.3153
29	2015.3813	0.0005	6714.6042	0.0001	3.3317	0.3001	3.3189
30	2619.9956	0.0004	8729.9855	0.0001	3.3321	0.3001	3.3219
31	3405.9943	0.0003	11349.9811	0.0001	3.3324	0.3001	3.3242
32	4427.7926	0.0002	14755.9755	0.0001	3.3326	0.3001	3.3261
33	5756.1304	0.0002	19183.7681	0.0001	3.3328	0.3001	3.3276
34	7482.9696	0.0001	24939.8985	0.0000	3.3329	0.3000	3.3288
35	9727.8604	0.0001	32422.8681	0.0000	3.3330	0.3000	3.3297
40	36118.8648	0.0000	120392.8827	0.0000	3.3332	0.3000	3.3322
45	134106.8167	0.0000	447019.3890	0.0000	3.3333	0.3000	3.3330
50	497929.2230	0.0000	1659760.7433	0.0000	3.3333	0.3000	3.3332
55	1848776.3499	0.0000	6162584.4996	0.0000	3.3333	0.3000	3.3333
60	6864377.1727	0.0000	22881253.9091	0.0000	3.3333	0.3000	3.3333
65	25486951.9360	0.0000	84956503.1200	0.0000	3.3333	0.3000	3.3333
70	94631268.4517	0.0000	315437558.1724	0.0000	3.3333	0.3000	3.3333
75	351359275.5725	0.0000	1171197581.9083	0.0000	3.3333	0.3000	3.3333
80	1304572395.0513	0.0000	4348574646.8377	0.0000	3.3333	0.3000	3.3333
85	4843785982.7579	0.0000	16145953272.5263	0.0000	3.3333	0.3000	3.3333
90	17984638288.9613	0.0000	59948794293.2043	0.0000	3.3333	0.3000	3.3333
95	66775703042.2330	0.0000	222585676804.1100	0.0000	3.3333	0.3000	3.3333
100	247933511096.5980	0.0000	826445036985.3280	0.0000	3.3333	0.3000	3.3333

n	Single Payment		Equal Payment Series				Uniform Gradient-Series Factor
	Compound-amount Factor	Present-worth Factor	Compound-amount Factor	Sinking-fund Factor	Present-worth Factor	Capital-recovery Factor	
	to find F given P F/P, i, n	to find P given F P/F, i, n	to find F given A F/A, i, n	to find A given F A/F, i, n	to find P given A P/A, i, n	to find A given P A/P, i, n	to find A given G A/G, i, n
1	1.4000	0.7143	1.0000	1.0000	0.7143	1.4000	0.0000
2	1.9600	0.5102	2.4000	0.4167	1.2245	0.8167	0.4167
3	2.7440	0.3644	4.3600	0.2294	1.5889	0.6294	0.7798
4	3.8416	0.2603	7.1040	0.1408	1.8492	0.5408	1.0923
5	5.3782	0.1859	10.9456	0.0914	2.0352	0.4914	1.3580
6	7.5295	0.1328	16.3238	0.0613	2.1680	0.4613	1.5811
7	10.5414	0.0949	23.8534	0.0419	2.2628	0.4419	1.7664
8	14.7579	0.0678	34.3947	0.0291	2.3306	0.4291	1.9185
9	20.6610	0.0484	49.1526	0.0203	2.3790	0.4203	2.0422
10	28.9255	0.0346	69.8137	0.0143	2.4136	0.4143	2.1419
11	40.4957	0.0247	98.7391	0.0101	2.4383	0.4101	2.2215
12	56.6939	0.0176	139.2348	0.0072	2.4559	0.4072	2.2845
13	79.3715	0.0126	195.9287	0.0051	2.4685	0.4051	2.3341
14	111.1201	0.0090	275.3002	0.0036	2.4775	0.4036	2.3729
15	155.5681	0.0064	386.4202	0.0026	2.4839	0.4026	2.4030
16	217.7953	0.0046	541.9883	0.0018	2.4885	0.4018	2.4262
17	304.9135	0.0033	759.7837	0.0013	2.4918	0.4013	2.4441
18	426.8789	0.0023	1064.6971	0.0009	2.4941	0.4009	2.4577
19	597.6304	0.0017	1491.5760	0.0007	2.4958	0.4007	2.4682
20	836.6826	0.0012	2089.2064	0.0005	2.4970	0.4005	2.4761
21	1171.3556	0.0009	2925.8889	0.0003	2.4979	0.4003	2.4821
22	1639.8978	0.0006	4097.2445	0.0002	2.4985	0.4002	2.4866
23	2295.8569	0.0004	5737.1423	0.0002	2.4989	0.4002	2.4900
24	3214.1997	0.0003	8032.9993	0.0001	2.4992	0.4001	2.4925
25	4499.8796	0.0002	11247.1990	0.0001	2.4994	0.4001	2.4944
26	6299.8314	0.0002	15747.0785	0.0001	2.4996	0.4001	2.4959
27	8819.7640	0.0001	22046.9099	0.0000	2.4997	0.4000	2.4969
28	12347.6696	0.0001	30866.6739	0.0000	2.4998	0.4000	2.4977
29	17286.7374	0.0001	43214.3435	0.0000	2.4999	0.4000	2.4983
30	24201.4324	0.0000	60501.0809	0.0000	2.4999	0.4000	2.4988
31	33882.0053	0.0000	84702.5132	0.0000	2.4999	0.4000	2.4991
32	47434.8074	0.0000	118584.5185	0.0000	2.4999	0.4000	2.4993
33	66408.7304	0.0000	166019.3260	0.0000	2.5000	0.4000	2.4995
34	92972.2225	0.0000	232428.0563	0.0000	2.5000	0.4000	2.4996
35	130161.1116	0.0000	325400.2789	0.0000	2.5000	0.4000	2.4997
40	700037.6966	0.0000	1750091.7415	0.0000	2.5000	0.4000	2.4999
45	3764970.7413	0.0000	9412424.3533	0.0000	2.5000	0.4000	2.5000
50	20248916.2398	0.0000	50622288.0994	0.0000	2.5000	0.4000	2.5000
55	108903531.3	0.0000	272258826	0.0000	2.5000	0.4000	2.5000
60	585709328.1	0.0000	1464273318	0.0000	2.5000	0.4000	2.5000
65	3150085336.5	0.0000	7875213339	0.0000	2.5000	0.4000	2.5000
70	16941914960.3	0.0000	42354787398	0.0000	2.5000	0.4000	2.5000
75	91117684716.3	0.0000	227794211788	0.0000	2.5000	0.4000	2.5000
80	490052776648.5	0.0000	1225131941619	0.0000	2.5000	0.4000	2.5000
85	2635621445482.2	0.0000	6589053613703	0.0000	2.5000	0.4000	2.5000
90	14175004682950.1	0.0000	35437511707373	0.0000	2.5000	0.4000	2.5000
95	76236577186029.3	0.0000	190591442965071	0.0000	2.5000	0.4000	2.5000
100	410018608884990.0	0.0000	1025046522212470	0.0000	2.5000	0.4000	2.5000

n	Single Payment		Equal Payment Series				Uniform Gradient- Series Factor
	Compound-amount Factor	Present- worth Factor	Compound-amount Factor	Sinking- fund Factor	Present- worth Factor	Capital- recovery Factor	
	to find F given P F/P, i, n	to find P given F P/F, i, n	to find F given A F/A, i, n	to find A given F A/F, i, n	to find P given A P/A, i, n	to find A given P A/P, i, n	
1	1.5000	0.6667	1.0000	1.0000	0.6667	1.5000	0.0000
2	2.2500	0.4444	2.5000	0.4000	1.1111	0.9000	0.4000
3	3.3750	0.2963	4.7500	0.2105	1.4074	0.7105	0.7368
4	5.0625	0.1975	8.1250	0.1231	1.6049	0.6231	1.0154
5	7.5938	0.1317	13.1875	0.0758	1.7366	0.5758	1.2417
6	11.3906	0.0878	20.7813	0.0481	1.8244	0.5481	1.4226
7	17.0859	0.0585	32.1719	0.0311	1.8829	0.5311	1.5648
8	25.6289	0.0390	49.2578	0.0203	1.9220	0.5203	1.6752
9	38.4434	0.0260	74.8867	0.0134	1.9480	0.5134	1.7596
10	57.6650	0.0173	113.3301	0.0088	1.9653	0.5088	1.8235
11	86.4976	0.0116	170.9951	0.0058	1.9769	0.5058	1.8713
12	129.7463	0.0077	257.4927	0.0039	1.9846	0.5039	1.9068
13	194.6195	0.0051	387.2390	0.0026	1.9897	0.5026	1.9329
14	291.9293	0.0034	581.8585	0.0017	1.9931	0.5017	1.9519
15	437.8939	0.0023	873.7878	0.0011	1.9954	0.5011	1.9657
16	656.8408	0.0015	1311.6817	0.0008	1.9970	0.5008	1.9756
17	985.2613	0.0010	1968.5225	0.0005	1.9980	0.5005	1.9827
18	1477.8919	0.0007	2953.7838	0.0003	1.9986	0.5003	1.9878
19	2216.8378	0.0005	4431.6756	0.0002	1.9991	0.5002	1.9914
20	3325.2567	0.0003	6648.5135	0.0002	1.9994	0.5002	1.9940
21	4987.8851	0.0002	9973.7702	0.0001	1.9996	0.5001	1.9958
22	7481.8276	0.0001	14961.6553	0.0001	1.9997	0.5001	1.9971
23	11222.7415	0.0001	22443.4829	0.0000	1.9998	0.5000	1.9980
24	16834.1122	0.0001	33666.2244	0.0000	1.9999	0.5000	1.9986
25	25251.1683	0.0000	50500.3366	0.0000	1.9999	0.5000	1.9990
26	37876.7524	0.0000	75751.5049	0.0000	1.9999	0.5000	1.9993
27	56815.1287	0.0000	113628.2573	0.0000	2.0000	0.5000	1.9995
28	85222.6930	0.0000	170443.3860	0.0000	2.0000	0.5000	1.9997
29	127834.0395	0.0000	255666.0790	0.0000	2.0000	0.5000	1.9998
30	191751.0592	0.0000	383500.1185	0.0000	2.0000	0.5000	1.9998
31	287626.5888	0.0000	575251.1777	0.0000	2.0000	0.5000	1.9999
32	431439.8833	0.0000	862877.7665	0.0000	2.0000	0.5000	1.9999
33	647159.8249	0.0000	1294317.6498	0.0000	2.0000	0.5000	1.9999
34	970739.7374	0.0000	1941477.4747	0.0000	2.0000	0.5000	2.0000
35	1456109.6060	0.0000	2912217.2121	0.0000	2.0000	0.5000	2.0000
40	11057332.3209	0.0000	22114662.6419	0.0000	2.0000	0.5000	2.0000
45	83966617.3121	0.0000	167933232.6243	0.0000	2.0000	0.5000	2.0000
50	637621500.2141	0.0000	1275242998.4281	0.0000	2.0000	0.5000	2.0000
55	4841938267	0.0000	9683876533	0.0000	2.0000	0.5000	2.0000
60	36768468717	0.0000	73536937432	0.0000	2.0000	0.5000	2.0000
65	279210559319	0.0000	558421118636	0.0000	2.0000	0.5000	2.0000
70	2120255184830	0.0000	4240510369659	0.0000	2.0000	0.5000	2.0000
75	16100687809805	0.0000	32201375619607	0.0000	2.0000	0.5000	2.0000
80	122264598055705	0.0000	244529196111407	0.0000	2.0000	0.5000	2.0000
85	928446791485507	0.0000	1856893582971010	0.0000	2.0000	0.5000	2.0000
90	7050392822843070	0.0000	14100785645686100	0.0000	2.0000	0.5000	2.0000
95	53538920498464600	0.0000	107077840996929000	0.0000	2.0000	0.5000	2.0000
100	406561177535215000	0.0000	813122355070431000	0.0000	2.0000	0.5000	2.0000

i -0.5 INTEREST FACTORS FOR DISCRETE COMPOUNDING

n	Single Payment		Equal Payment Series				Uniform
	Compound-amount Factor	Present-worth Factor	Compound-amount Factor	Sinking-fund Factor	Present-worth Factor	Capital-recovery Factor	Gradient-Series Factor
	to find F given P F/P, i, n	to find P given F P/F, i, n	to find F given A F/A, i, n	to find A given F A/F, i, n	to find P given A P/A, i, n	to find A given P A/P, i, n	to find A given G A/G, i, n
1	0.9950	1.0050	1.0000	1.0000	1.0050	0.9950	0.0000
2	0.9900	1.0101	1.9950	0.5013	2.0151	0.4963	0.5013
3	0.9851	1.0152	2.9850	0.3350	3.0303	0.3300	1.0033
4	0.9801	1.0203	3.9701	0.2519	4.0505	0.2469	1.5063
5	0.9752	1.0254	4.9502	0.2020	5.0759	0.1970	2.0100
6	0.9704	1.0305	5.9255	0.1688	6.1064	0.1638	2.5146
7	0.9655	1.0357	6.8959	0.1450	7.1421	0.1400	3.0200
8	0.9607	1.0409	7.8614	0.1272	8.1830	0.1222	3.5263
9	0.9559	1.0461	8.8221	0.1134	9.2292	0.1084	4.0334
10	0.9511	1.0514	9.7780	0.1023	10.2806	0.0973	4.5414
11	0.9464	1.0567	10.7291	0.0932	11.3373	0.0882	5.0501
12	0.9416	1.0620	11.6754	0.0856	12.3993	0.0806	5.5597
13	0.9369	1.0673	12.6171	0.0793	13.4666	0.0743	6.0702
14	0.9322	1.0727	13.5540	0.0738	14.5393	0.0688	6.5814
15	0.9276	1.0781	14.4862	0.0690	15.6174	0.0640	7.0936
16	0.9229	1.0835	15.4138	0.0649	16.7009	0.0599	7.6065
17	0.9183	1.0889	16.3367	0.0612	17.7898	0.0562	8.1203
18	0.9137	1.0944	17.2550	0.0580	18.8843	0.0530	8.6349
19	0.9092	1.0999	18.1687	0.0550	19.9842	0.0500	9.1504
20	0.9046	1.1054	19.0779	0.0524	21.0896	0.0474	9.6666
21	0.9001	1.1110	19.9825	0.0500	22.2006	0.0450	10.1838
22	0.8956	1.1166	20.8826	0.0479	23.3172	0.0429	10.7017
23	0.8911	1.1222	21.7782	0.0459	24.4394	0.0409	11.2205
24	0.8867	1.1278	22.6693	0.0441	25.5673	0.0391	11.7401
25	0.8822	1.1335	23.5560	0.0425	26.7008	0.0375	12.2606
26	0.8778	1.1392	24.4382	0.0409	27.8400	0.0359	12.7819
27	0.8734	1.1449	25.3160	0.0395	28.9849	0.0345	13.3040
28	0.8691	1.1507	26.1894	0.0382	30.1356	0.0332	13.8270
29	0.8647	1.1565	27.0585	0.0370	31.2920	0.0320	14.3508
30	0.8604	1.1623	27.9232	0.0358	32.4543	0.0308	14.8754
31	0.8561	1.1681	28.7835	0.0347	33.6224	0.0297	15.4008
32	0.8518	1.1740	29.6396	0.0337	34.7964	0.0287	15.9271
33	0.8475	1.1799	30.4914	0.0328	35.9763	0.0278	16.4543
34	0.8433	1.1858	31.3390	0.0319	37.1621	0.0269	16.9822
35	0.8391	1.1918	32.1823	0.0311	38.3538	0.0261	17.5110
40	0.8183	1.2220	36.3360	0.0275	44.4031	0.0225	20.1675
45	0.7981	1.2530	40.3869	0.0248	50.6059	0.0198	22.8447
50	0.7783	1.2848	44.3375	0.0226	56.9662	0.0176	25.5428
55	0.7590	1.3174	48.1903	0.0208	63.4878	0.0158	28.2616
60	0.7403	1.3509	51.9478	0.0193	70.1750	0.0143	31.0011
65	0.7219	1.3852	55.6123	0.0180	77.0319	0.0130	33.7613
70	0.7041	1.4203	59.1861	0.0169	84.0628	0.0119	36.5422
75	0.6866	1.4564	62.6714	0.0160	91.2721	0.0110	39.3437
80	0.6696	1.4933	66.0704	0.0151	98.6645	0.0101	42.1658
85	0.6531	1.5312	69.3854	0.0144	106.2444	0.0094	45.0085
90	0.6369	1.5701	72.6182	0.0138	114.0167	0.0088	47.8716
95	0.6211	1.6099	75.7711	0.0132	121.9862	0.0082	50.7553
100	0.6058	1.6508	78.8459	0.0127	130.1581	0.0077	53.6593

i -0.75 INTEREST FACTORS FOR DISCRETE COMPOUNDING

n	Single Payment		Equal Payment Series				Uniform
	Compound-amount Factor	Present-worth Factor	Compound-amount Factor	Sinking-fund Factor	Present-worth Factor	Capital-recovery Factor	Gradient-Series Factor
	to find F given P F/P, i, n	to find P given F P/F, i, n	to find F given A F/A, i, n	to find A given F A/F, i, n	to find P given A P/A, i, n	to find A given P A/P, i, n	to find A given G A/G, i, n
1	0.9925	1.0076	1.0000	1.0000	1.0076	0.9925	0.0000
2	0.9851	1.0152	1.9925	0.5019	2.0227	0.4944	0.5019
3	0.9777	1.0228	2.9776	0.3358	3.0456	0.3283	1.0050
4	0.9703	1.0306	3.9552	0.2528	4.0761	0.2453	1.5094
5	0.9631	1.0384	4.9256	0.2030	5.1145	0.1955	2.0151
6	0.9558	1.0462	5.8886	0.1698	6.1607	0.1623	2.5220
7	0.9487	1.0541	6.8445	0.1461	7.2148	0.1386	3.0301
8	0.9416	1.0621	7.7931	0.1283	8.2769	0.1208	3.5395
9	0.9345	1.0701	8.7347	0.1145	9.3470	0.1070	4.0502
10	0.9275	1.0782	9.6692	0.1034	10.4252	0.0959	4.5621
11	0.9205	1.0863	10.5966	0.0944	11.5115	0.0869	5.0753
12	0.9136	1.0945	11.5172	0.0868	12.6061	0.0793	5.5897
13	0.9068	1.1028	12.4308	0.0804	13.7089	0.0729	6.1054
14	0.9000	1.1112	13.3376	0.0750	14.8200	0.0675	6.6223
15	0.8932	1.1195	14.2375	0.0702	15.9396	0.0627	7.1405
16	0.8865	1.1280	15.1307	0.0661	17.0676	0.0586	7.6599
17	0.8799	1.1365	16.0173	0.0624	18.2041	0.0549	8.1806
18	0.8733	1.1451	16.8971	0.0592	19.3492	0.0517	8.7026
19	0.8667	1.1538	17.7704	0.0563	20.5030	0.0488	9.2258
20	0.8602	1.1625	18.6371	0.0537	21.6655	0.0462	9.7502
21	0.8538	1.1713	19.4974	0.0513	22.8368	0.0438	10.2759
22	0.8474	1.1801	20.3511	0.0491	24.0169	0.0416	10.8029
23	0.8410	1.1890	21.1985	0.0472	25.2059	0.0397	11.3311
24	0.8347	1.1980	22.0395	0.0454	26.4040	0.0379	11.8605
25	0.8284	1.2071	22.8742	0.0437	27.6111	0.0362	12.3912
26	0.8222	1.2162	23.7026	0.0422	28.8273	0.0347	12.9232
27	0.8161	1.2254	24.5249	0.0408	30.0527	0.0333	13.4564
28	0.8099	1.2347	25.3409	0.0395	31.2873	0.0320	13.9909
29	0.8039	1.2440	26.1509	0.0382	32.5313	0.0307	14.5266
30	0.7978	1.2534	26.9548	0.0371	33.7847	0.0296	15.0635
31	0.7919	1.2629	27.7526	0.0360	35.0475	0.0285	15.6017
32	0.7859	1.2724	28.5444	0.0350	36.3199	0.0275	16.1412
33	0.7800	1.2820	29.3304	0.0341	37.6020	0.0266	16.6819
34	0.7742	1.2917	30.1104	0.0332	38.8937	0.0257	17.2238
35	0.7684	1.3015	30.8846	0.0324	40.1951	0.0249	17.7670
40	0.7400	1.3514	34.6692	0.0288	46.8515	0.0213	20.5016
45	0.7126	1.4032	38.3140	0.0261	53.7631	0.0186	23.2673
50	0.6863	1.4570	41.8242	0.0239	60.9399	0.0164	26.0641
55	0.6610	1.5129	45.2047	0.0221	68.3920	0.0146	28.8917
60	0.6365	1.5710	48.4603	0.0206	76.1299	0.0131	31.7502
65	0.6130	1.6312	51.5957	0.0194	84.1646	0.0119	34.6394
70	0.5904	1.6938	54.6152	0.0183	92.5076	0.0108	37.5593
75	0.5686	1.7588	57.5232	0.0174	101.1706	0.0099	40.5096
80	0.5476	1.8262	60.3237	0.0166	110.1658	0.0091	43.4904
85	0.5273	1.8963	63.0208	0.0159	119.5062	0.0084	46.5014
90	0.5079	1.9690	65.6183	0.0152	129.2048	0.0077	49.5425
95	0.4891	2.0446	68.1198	0.0147	139.2754	0.0072	52.6136
100	0.4710	2.1230	70.5289	0.0142	149.7323	0.0067	55.7145

i -1 INTEREST FACTORS FOR DISCRETE COMPOUNDING

n	Single Payment		Equal Payment Series				Uniform
	Compound-amount Factor	Present-worth Factor	Compound-amount Factor	Sinking-fund Factor	Present-worth Factor	Capital-recovery Factor	Gradient-Series Factor
	to find F given P F/P, i, n	to find P given F P/F, i, n	to find F given A F/A, i, n	to find A given F A/F, i, n	to find P given A P/A, i, n	to find A given P A/P, i, n	to find A given G A/G, i, n
1	0.9900	1.0101	1.0000	1.0000	1.0101	0.9900	0.0000
2	0.9801	1.0203	1.9900	0.5025	2.0304	0.4925	0.5025
3	0.9703	1.0306	2.9701	0.3367	3.0610	0.3267	1.0067
4	0.9606	1.0410	3.9404	0.2538	4.1020	0.2438	1.5126
5	0.9510	1.0515	4.9010	0.2040	5.1536	0.1940	2.0201
6	0.9415	1.0622	5.8520	0.1709	6.2157	0.1609	2.5293
7	0.9321	1.0729	6.7935	0.1472	7.2886	0.1372	3.0402
8	0.9227	1.0837	7.7255	0.1294	8.3723	0.1194	3.5528
9	0.9135	1.0947	8.6483	0.1156	9.4670	0.1056	4.0670
10	0.9044	1.1057	9.5618	0.1046	10.5727	0.0946	4.5829
11	0.8953	1.1169	10.4662	0.0955	11.6896	0.0855	5.1005
12	0.8864	1.1282	11.3615	0.0880	12.8178	0.0780	5.6197
13	0.8775	1.1396	12.2479	0.0816	13.9574	0.0716	6.1407
14	0.8687	1.1511	13.1254	0.0762	15.1085	0.0662	6.6633
15	0.8601	1.1627	13.9942	0.0715	16.2712	0.0615	7.1875
16	0.8515	1.1745	14.8542	0.0673	17.4456	0.0573	7.7135
17	0.8429	1.1863	15.7057	0.0637	18.6320	0.0537	8.2411
18	0.8345	1.1983	16.5486	0.0604	19.8303	0.0504	8.7704
19	0.8262	1.2104	17.3831	0.0575	21.0407	0.0475	9.3013
20	0.8179	1.2226	18.2093	0.0549	22.2633	0.0449	9.8339
21	0.8097	1.2350	19.0272	0.0526	23.4983	0.0426	10.3682
22	0.8016	1.2475	19.8369	0.0504	24.7457	0.0404	10.9042
23	0.7936	1.2601	20.6386	0.0485	26.0058	0.0385	11.4418
24	0.7857	1.2728	21.4322	0.0467	27.2786	0.0367	11.9811
25	0.7778	1.2856	22.2179	0.0450	28.5642	0.0350	12.5221
26	0.7700	1.2986	22.9957	0.0435	29.8629	0.0335	13.0647
27	0.7623	1.3117	23.7657	0.0421	31.1746	0.0321	13.6090
28	0.7547	1.3250	24.5281	0.0408	32.4996	0.0308	14.1549
29	0.7472	1.3384	25.2828	0.0396	33.8380	0.0296	14.7025
30	0.7397	1.3519	26.0300	0.0384	35.1899	0.0284	15.2518
31	0.7323	1.3656	26.7697	0.0374	36.5554	0.0274	15.8027
32	0.7250	1.3793	27.5020	0.0364	37.9348	0.0264	16.3553
33	0.7177	1.3933	28.2269	0.0354	39.3281	0.0254	16.9096
34	0.7106	1.4074	28.9447	0.0345	40.7354	0.0245	17.4655
35	0.7034	1.4216	29.6552	0.0337	42.1570	0.0237	18.0230
40	0.6690	1.4948	33.1028	0.0302	49.4831	0.0202	20.8356
45	0.6362	1.5719	36.3815	0.0275	57.1869	0.0175	23.6894
50	0.6050	1.6529	39.4994	0.0253	65.2876	0.0153	26.5842
55	0.5754	1.7381	42.4645	0.0235	73.8058	0.0135	29.5199
60	0.5472	1.8276	45.2843	0.0221	82.7630	0.0121	32.4961
65	0.5203	1.9218	47.9659	0.0208	92.1818	0.0108	35.5128
70	0.4948	2.0209	50.5161	0.0198	102.0861	0.0098	38.5696
75	0.4706	2.1250	52.9413	0.0189	112.5007	0.0089	41.6662
80	0.4475	2.2345	55.2477	0.0181	123.4521	0.0081	44.8025
85	0.4256	2.3497	57.4410	0.0174	134.9679	0.0074	47.9780
90	0.4047	2.4708	59.5268	0.0168	147.0771	0.0068	51.1924
95	0.3849	2.5981	61.5104	0.0163	159.8104	0.0063	54.4454
100	0.3660	2.7320	63.3968	0.0158	173.1999	0.0058	57.7368

i -1.25 INTEREST FACTORS FOR DISCRETE COMPOUNDING

n	Single Payment		Equal Payment Series				Uniform
	Compound- amount Factor	Present- worth Factor	Compound- amount Factor	Sinking- fund Factor	Present- worth Factor	Capital- recovery Factor	Gradient- Series Factor
	to find F given P F/P, i, n	to find P given F P/F, i, n	to find F given A F/A, i, n	to find A given F A/F, i, n	to find P given A P/A, i, n	to find A given P A/P, i, n	to find A given G A/G, i, n
1	0.9875	1.0127	1.0000	1.0000	1.0127	0.9875	0.0000
2	0.9752	1.0255	1.9875	0.5031	2.0381	0.4906	0.5031
3	0.9630	1.0385	2.9627	0.3375	3.0766	0.3250	1.0084
4	0.9509	1.0516	3.9256	0.2547	4.1282	0.2422	1.5157
5	0.9390	1.0649	4.8766	0.2051	5.1931	0.1926	2.0252
6	0.9273	1.0784	5.8156	0.1720	6.2715	0.1595	2.5367
7	0.9157	1.0920	6.7429	0.1483	7.3635	0.1358	3.0503
8	0.9043	1.1059	7.6586	0.1306	8.4694	0.1181	3.5660
9	0.8930	1.1199	8.5629	0.1168	9.5893	0.1043	4.0838
10	0.8818	1.1340	9.4558	0.1058	10.7233	0.0933	4.6037
11	0.8708	1.1484	10.3376	0.0967	11.8717	0.0842	5.1257
12	0.8599	1.1629	11.2084	0.0892	13.0347	0.0767	5.6498
13	0.8491	1.1777	12.0683	0.0829	14.2123	0.0704	6.1760
14	0.8385	1.1926	12.9175	0.0774	15.4049	0.0649	6.7043
15	0.8281	1.2077	13.7560	0.0727	16.6125	0.0602	7.2347
16	0.8177	1.2229	14.5840	0.0686	17.8355	0.0561	7.7671
17	0.8075	1.2384	15.4017	0.0649	19.0739	0.0524	8.3017
18	0.7974	1.2541	16.2092	0.0617	20.3280	0.0492	8.8383
19	0.7874	1.2700	17.0066	0.0588	21.5980	0.0463	9.3770
20	0.7776	1.2861	17.7940	0.0562	22.8840	0.0437	9.9178
21	0.7679	1.3023	18.5716	0.0538	24.1863	0.0413	10.4607
22	0.7583	1.3188	19.3395	0.0517	25.5052	0.0392	11.0056
23	0.7488	1.3355	20.0977	0.0498	26.8407	0.0373	11.5527
24	0.7394	1.3524	20.8465	0.0480	28.1931	0.0355	12.1018
25	0.7302	1.3695	21.5859	0.0463	29.5626	0.0338	12.6530
26	0.7210	1.3869	22.3161	0.0448	30.9495	0.0323	13.2063
27	0.7120	1.4044	23.0371	0.0434	32.3539	0.0309	13.7616
28	0.7031	1.4222	23.7492	0.0421	33.7761	0.0296	14.3191
29	0.6943	1.4402	24.4523	0.0409	35.2163	0.0284	14.8786
30	0.6857	1.4584	25.1467	0.0398	36.6747	0.0273	15.4401
31	0.6771	1.4769	25.8323	0.0387	38.1516	0.0262	16.0038
32	0.6686	1.4956	26.5094	0.0377	39.6472	0.0252	16.5695
33	0.6603	1.5145	27.1781	0.0368	41.1618	0.0243	17.1372
34	0.6520	1.5337	27.8383	0.0359	42.6954	0.0234	17.7070
35	0.6439	1.5531	28.4903	0.0351	44.2486	0.0226	18.2789
40	0.6046	1.6539	31.6302	0.0316	52.3140	0.0191	21.1691
45	0.5678	1.7613	34.5787	0.0289	60.9030	0.0164	24.1104
50	0.5332	1.8756	37.3474	0.0268	70.0496	0.0143	27.1024
55	0.5007	1.9974	39.9474	0.0250	79.7899	0.0125	30.1448
60	0.4701	2.1270	42.3889	0.0236	90.1624	0.0111	33.2372
65	0.4415	2.2651	44.6815	0.0224	101.2084	0.0099	36.3792
70	0.4146	2.4121	46.8344	0.0214	112.9713	0.0089	39.5701
75	0.3893	2.5687	48.8561	0.0205	125.4978	0.0080	42.8096
80	0.3656	2.7355	50.7545	0.0197	138.8374	0.0072	46.0971
85	0.3433	2.9130	52.5373	0.0190	153.0430	0.0065	49.4319
90	0.3224	3.1021	54.2113	0.0184	168.1708	0.0059	52.8136
95	0.3027	3.3035	55.7833	0.0179	184.2805	0.0054	56.2415
100	0.2843	3.5179	57.2595	0.0175	201.4359	0.0050	59.7149

i -1.5 INTEREST FACTORS FOR DISCRETE COMPOUNDING

n	Single Payment		Equal Payment Series				Uniform
	Compound-amount Factor	Present-worth Factor	Compound-amount Factor	Sinking-fund Factor	Present-worth Factor	Capital-recovery Factor	Gradient-Series Factor
	to find F given P F/P, i, n	to find P given F P/F, i, n	to find F given A F/A, i, n	to find A given F A/F, i, n	to find P given A P/A, i, n	to find A given P A/P, i, n	to find A given G A/G, i, n
1	0.9850	1.0152	1.0000	1.0000	1.0152	0.9850	0.0000
2	0.9702	1.0307	1.9850	0.5038	2.0459	0.4888	0.5038
3	0.9557	1.0464	2.9552	0.3384	3.0923	0.3234	1.0101
4	0.9413	1.0623	3.9109	0.2557	4.1546	0.2407	1.5189
5	0.9272	1.0785	4.8522	0.2061	5.2331	0.1911	2.0302
6	0.9133	1.0949	5.7794	0.1730	6.3280	0.1580	2.5441
7	0.8996	1.1116	6.6928	0.1494	7.4396	0.1344	3.0604
8	0.8861	1.1285	7.5924	0.1317	8.5682	0.1167	3.5793
9	0.8728	1.1457	8.4785	0.1179	9.7139	0.1029	4.1007
10	0.8597	1.1632	9.3513	0.1069	10.8770	0.0919	4.6246
11	0.8468	1.1809	10.2110	0.0979	12.0579	0.0829	5.1511
12	0.8341	1.1989	11.0579	0.0904	13.2567	0.0754	5.6800
13	0.8216	1.2171	11.8920	0.0841	14.4738	0.0691	6.2115
14	0.8093	1.2356	12.7136	0.0787	15.7095	0.0637	6.7454
15	0.7972	1.2545	13.5229	0.0739	16.9639	0.0589	7.2819
16	0.7852	1.2736	14.3201	0.0698	18.2375	0.0548	7.8209
17	0.7734	1.2930	15.1053	0.0662	19.5305	0.0512	8.3623
18	0.7618	1.3126	15.8787	0.0630	20.8431	0.0480	8.9063
19	0.7504	1.3326	16.6405	0.0601	22.1757	0.0451	9.4528
20	0.7391	1.3529	17.3909	0.0575	23.5287	0.0425	10.0018
21	0.7280	1.3735	18.1300	0.0552	24.9022	0.0402	10.5532
22	0.7171	1.3944	18.8581	0.0530	26.2967	0.0380	11.1072
23	0.7064	1.4157	19.5752	0.0511	27.7123	0.0361	11.6637
24	0.6958	1.4372	20.2816	0.0493	29.1496	0.0343	12.2226
25	0.6853	1.4591	20.9774	0.0477	30.6087	0.0327	12.7840
26	0.6751	1.4814	21.6627	0.0462	32.0901	0.0312	13.3480
27	0.6649	1.5039	22.3378	0.0448	33.5940	0.0298	13.9144
28	0.6550	1.5268	23.0027	0.0435	35.1208	0.0285	14.4832
29	0.6451	1.5501	23.6577	0.0423	36.6709	0.0273	15.0546
30	0.6355	1.5737	24.3028	0.0411	38.2445	0.0261	15.6284
31	0.6259	1.5976	24.9383	0.0401	39.8422	0.0251	16.2047
32	0.6165	1.6220	25.5642	0.0391	41.4641	0.0241	16.7834
33	0.6073	1.6467	26.1807	0.0382	43.1108	0.0232	17.3647
34	0.5982	1.6717	26.7880	0.0373	44.7825	0.0223	17.9483
35	0.5892	1.6972	27.3862	0.0365	46.4797	0.0215	18.5344
40	0.5463	1.8304	30.2452	0.0331	55.3613	0.0181	21.5017
45	0.5066	1.9741	32.8960	0.0304	64.9401	0.0154	24.5297
50	0.4697	2.1291	35.3540	0.0283	75.2709	0.0133	27.6178
55	0.4355	2.2962	37.6330	0.0266	86.4125	0.0116	30.7655
60	0.4038	2.4764	39.7462	0.0252	98.4287	0.0102	33.9719
65	0.3744	2.6708	41.7056	0.0240	111.3882	0.0090	37.2363
70	0.3472	2.8805	43.5223	0.0230	125.3649	0.0080	40.5580
75	0.3219	3.1066	45.2068	0.0221	140.4387	0.0071	43.9360
80	0.2985	3.3504	46.7688	0.0214	156.6959	0.0064	47.3695
85	0.2767	3.6134	48.2170	0.0207	174.2291	0.0057	50.8576
90	0.2566	3.8971	49.5598	0.0202	193.1386	0.0052	54.3991
95	0.2379	4.2030	50.8049	0.0197	213.5325	0.0047	57.9931
100	0.2206	4.5329	51.9594	0.0192	235.5272	0.0042	61.6386

n	Single Payment		Equal Payment Series				Uniform
	Compound- amount Factor	Present- worth Factor	Compound- amount Factor	Sinking- fund Factor	Present- worth Factor	Capital- recovery Factor	Gradient- Series Factor
	to find F given P F/P, i, n	to find P given F P/F, i, n	to find F given A F/A, i, n	to find A given F A/F, i, n	to find P given A P/A, i, n	to find A given P A/P, i, n	to find A given G A/G, i, n
1	0.9800	1.0204	1.0000	1.0000	1.0204	0.9800	0.0000
2	0.9604	1.0412	1.9800	0.5051	2.0616	0.4851	0.5051
3	0.9412	1.0625	2.9404	0.3401	3.1241	0.3201	1.0135
4	0.9224	1.0842	3.8816	0.2576	4.2083	0.2376	1.5253
5	0.9039	1.1063	4.8040	0.2082	5.3146	0.1882	2.0404
6	0.8858	1.1289	5.7079	0.1752	6.4434	0.1552	2.5589
7	0.8681	1.1519	6.5937	0.1517	7.5954	0.1317	3.0808
8	0.8508	1.1754	7.4618	0.1340	8.7708	0.1140	3.6060
9	0.8337	1.1994	8.3126	0.1203	9.9702	0.1003	4.1346
10	0.8171	1.2239	9.1464	0.1093	11.1941	0.0893	4.6666
11	0.8007	1.2489	9.9634	0.1004	12.4429	0.0804	5.2019
12	0.7847	1.2743	10.7642	0.0929	13.7173	0.0729	5.7405
13	0.7690	1.3004	11.5489	0.0866	15.0176	0.0666	6.2825
14	0.7536	1.3269	12.3179	0.0812	16.3445	0.0612	6.8279
15	0.7386	1.3540	13.0715	0.0765	17.6985	0.0565	7.3765
16	0.7238	1.3816	13.8101	0.0724	19.0801	0.0524	7.9286
17	0.7093	1.4098	14.5339	0.0688	20.4899	0.0488	8.4839
18	0.6951	1.4386	15.2432	0.0656	21.9284	0.0456	9.0426
19	0.6812	1.4679	15.9384	0.0627	23.3964	0.0427	9.6046
20	0.6676	1.4979	16.6196	0.0602	24.8943	0.0402	10.1699
21	0.6543	1.5285	17.2872	0.0578	26.4227	0.0378	10.7385
22	0.6412	1.5596	17.9415	0.0557	27.9824	0.0357	11.3105
23	0.6283	1.5915	18.5826	0.0538	29.5738	0.0338	11.8857
24	0.6158	1.6240	19.2110	0.0521	31.1978	0.0321	12.4643
25	0.6035	1.6571	19.8268	0.0504	32.8549	0.0304	13.0461
26	0.5914	1.6909	20.4302	0.0489	34.5458	0.0289	13.6312
27	0.5796	1.7254	21.0216	0.0476	36.2712	0.0276	14.2196
28	0.5680	1.7606	21.6012	0.0463	38.0319	0.0263	14.8112
29	0.5566	1.7966	22.1692	0.0451	39.8284	0.0251	15.4062
30	0.5455	1.8332	22.7258	0.0440	41.6617	0.0240	16.0043
31	0.5346	1.8706	23.2713	0.0430	43.5323	0.0230	16.6057
32	0.5239	1.9088	23.8058	0.0420	45.4411	0.0220	17.2104
33	0.5134	1.9478	24.3297	0.0411	47.3889	0.0211	17.8183
34	0.5031	1.9875	24.8431	0.0403	49.3764	0.0203	18.4294
35	0.4931	2.0281	25.3463	0.0395	51.4045	0.0195	19.0437
40	0.4457	2.2437	27.7150	0.0361	62.1830	0.0161	22.1631
45	0.4029	2.4821	29.8561	0.0335	74.1071	0.0135	25.3615
50	0.3642	2.7460	31.7915	0.0315	87.2986	0.0115	28.6373
55	0.3292	3.0378	33.5410	0.0298	101.8923	0.0098	31.9893
60	0.2976	3.3607	35.1223	0.0285	118.0372	0.0085	35.4157
65	0.2690	3.7180	36.5518	0.0274	135.8982	0.0074	38.9150
70	0.2431	4.1132	37.8439	0.0264	155.6576	0.0064	42.4853
75	0.2198	4.5503	39.0118	0.0256	177.5172	0.0056	46.1247
80	0.1986	5.0340	40.0676	0.0250	201.7004	0.0050	49.8314
85	0.1796	5.5691	41.0219	0.0244	228.4541	0.0044	53.6033
90	0.1623	6.1610	41.8845	0.0239	258.0514	0.0039	57.4384
95	0.1467	6.8159	42.6642	0.0234	290.7947	0.0034	61.3345
100	0.1326	7.5404	43.3690	0.0231	327.0183	0.0031	65.2897

n	Single Payment		Equal Payment Series				Uniform
	Compound- amount Factor	Present- worth Factor	Compound- amount Factor	Sinking- fund Factor	Present- worth Factor	Capital- recovery Factor	Gradient- Series Factor
	to find F given P F/P, i, n	to find P given F P/F, i, n	to find F given A F/A, i, n	to find A given F A/F, i, n	to find P given A P/A, i, n	to find A given P A/P, i, n	to find A given G A/G, i, n
1	0.9700	1.0309	1.0000	1.0000	1.0309	0.9700	0.0000
2	0.9409	1.0628	1.9700	0.5076	2.0937	0.4776	0.5076
3	0.9127	1.0957	2.9109	0.3435	3.1894	0.3135	1.0203
4	0.8853	1.1296	3.8236	0.2615	4.3190	0.2315	1.5381
5	0.8587	1.1645	4.7089	0.2124	5.4835	0.1824	2.0609
6	0.8330	1.2005	5.5676	0.1796	6.6840	0.1496	2.5888
7	0.8080	1.2377	6.4006	0.1562	7.9217	0.1262	3.1217
8	0.7837	1.2759	7.2086	0.1387	9.1976	0.1087	3.6598
9	0.7602	1.3154	7.9923	0.1251	10.5130	0.0951	4.2028
10	0.7374	1.3561	8.7525	0.1143	11.8691	0.0843	4.7509
11	0.7153	1.3980	9.4900	0.1054	13.2671	0.0754	5.3040
12	0.6938	1.4412	10.2053	0.0980	14.7083	0.0680	5.8622
13	0.6730	1.4858	10.8991	0.0918	16.1941	0.0618	6.4253
14	0.6528	1.5318	11.5721	0.0864	17.7259	0.0564	6.9935
15	0.6333	1.5792	12.2250	0.0818	19.3051	0.0518	7.5666
16	0.6143	1.6280	12.8582	0.0778	20.9331	0.0478	8.1447
17	0.5958	1.6783	13.4725	0.0742	22.6114	0.0442	8.7278
18	0.5780	1.7302	14.0683	0.0711	24.3417	0.0411	9.3158
19	0.5606	1.7838	14.6462	0.0683	26.1254	0.0383	9.9087
20	0.5438	1.8389	15.2069	0.0658	27.9643	0.0358	10.5065
21	0.5275	1.8958	15.7506	0.0635	29.8602	0.0335	11.1093
22	0.5117	1.9544	16.2781	0.0614	31.8146	0.0314	11.7169
23	0.4963	2.0149	16.7898	0.0596	33.8295	0.0296	12.3293
24	0.4814	2.0772	17.2861	0.0578	35.9067	0.0278	12.9466
25	0.4670	2.1414	17.7675	0.0563	38.0481	0.0263	13.5688
26	0.4530	2.2077	18.2345	0.0548	40.2558	0.0248	14.1957
27	0.4394	2.2760	18.6874	0.0535	42.5317	0.0235	14.8273
28	0.4262	2.3463	19.1268	0.0523	44.8781	0.0223	15.4637
29	0.4134	2.4189	19.5530	0.0511	47.2970	0.0211	16.1049
30	0.4010	2.4937	19.9664	0.0501	49.7907	0.0201	16.7507
31	0.3890	2.5708	20.3674	0.0491	52.3616	0.0191	17.4012
32	0.3773	2.6504	20.7564	0.0482	55.0119	0.0182	18.0564
33	0.3660	2.7323	21.1337	0.0473	57.7443	0.0173	18.7162
34	0.3550	2.8168	21.4997	0.0465	60.5611	0.0165	19.3806
35	0.3444	2.9040	21.8547	0.0458	63.4650	0.0158	20.0495
40	0.2957	3.3817	23.4763	0.0426	79.3888	0.0126	23.4616
45	0.2539	3.9380	24.8687	0.0402	97.9322	0.0102	26.9834
50	0.2181	4.5858	26.0645	0.0384	119.5260	0.0084	30.6106
55	0.1873	5.3402	27.0913	0.0369	144.6721	0.0069	34.3390
60	0.1608	6.2186	27.9731	0.0357	173.9549	0.0057	38.1639
65	0.1381	7.2416	28.7303	0.0348	208.0549	0.0048	42.0806
70	0.1186	8.4329	29.3806	0.0340	247.7644	0.0040	46.0842
75	0.1018	9.8202	29.9390	0.0334	294.0064	0.0034	50.1699
80	0.0874	11.4357	30.4185	0.0329	347.8554	0.0029	54.3327
85	0.0751	13.3169	30.8302	0.0324	410.5628	0.0024	58.5678
90	0.0645	15.5076	31.1838	0.0321	483.5859	0.0021	62.8703
95	0.0554	18.0586	31.4875	0.0318	568.6216	0.0018	67.2357
100	0.0476	21.0294	31.7482	0.0315	667.6462	0.0015	71.6593

n	Single Payment		Equal Payment Series				Uniform
	Compound- amount Factor	Present- worth Factor	Compound- amount Factor	Sinking- fund Factor	Present- worth Factor	Capital- recovery Factor	Gradient- Series Factor
	to find F given P F/P, i, n	to find P given F P/F, i, n	to find F given A F/A, i, n	to find A given F A/F, i, n	to find P given A P/A, i, n	to find A given P A/P, i, n	to find A given G A/G, i, n
1	0.9600	1.0417	1.0000	1.0000	1.0417	0.9600	0.0000
2	0.9216	1.0851	1.9600	0.5102	2.1267	0.4702	0.5102
3	0.8847	1.1303	2.8816	0.3470	3.2570	0.3070	1.0272
4	0.8493	1.1774	3.7663	0.2655	4.4344	0.2255	1.5510
5	0.8154	1.2264	4.6157	0.2167	5.6608	0.1767	2.0816
6	0.7828	1.2775	5.4311	0.1841	6.9384	0.1441	2.6189
7	0.7514	1.3308	6.2138	0.1609	8.2691	0.1209	3.1631
8	0.7214	1.3862	6.9653	0.1436	9.6553	0.1036	3.7139
9	0.6925	1.4440	7.6867	0.1301	11.0993	0.0901	4.2715
10	0.6648	1.5041	8.3792	0.1193	12.6034	0.0793	4.8358
11	0.6382	1.5668	9.0440	0.1106	14.1703	0.0706	5.4068
12	0.6127	1.6321	9.6823	0.1033	15.8024	0.0633	5.9845
13	0.5882	1.7001	10.2950	0.0971	17.5025	0.0571	6.5688
14	0.5647	1.7709	10.8832	0.0919	19.2734	0.0519	7.1598
15	0.5421	1.8447	11.4478	0.0874	21.1181	0.0474	7.7573
16	0.5204	1.9216	11.9899	0.0834	23.0397	0.0434	8.3613
17	0.4996	2.0017	12.5103	0.0799	25.0414	0.0399	8.9719
18	0.4796	2.0851	13.0099	0.0769	27.1264	0.0369	9.5890
19	0.4604	2.1719	13.4895	0.0741	29.2983	0.0341	10.2125
20	0.4420	2.2624	13.9499	0.0717	31.5608	0.0317	10.8425
21	0.4243	2.3567	14.3919	0.0695	33.9175	0.0295	11.4787
22	0.4073	2.4549	14.8163	0.0675	36.3724	0.0275	12.1214
23	0.3911	2.5572	15.2236	0.0657	38.9296	0.0257	12.7703
24	0.3754	2.6637	15.6147	0.0640	41.5933	0.0240	13.4254
25	0.3604	2.7747	15.9901	0.0625	44.3680	0.0225	14.0867
26	0.3460	2.8903	16.3505	0.0612	47.2583	0.0212	14.7542
27	0.3321	3.0108	16.6965	0.0599	50.2691	0.0199	15.4277
28	0.3189	3.1362	17.0286	0.0587	53.4053	0.0187	16.1073
29	0.3061	3.2669	17.3475	0.0576	56.6722	0.0176	16.7929
30	0.2939	3.4030	17.6536	0.0566	60.0752	0.0166	17.4844
31	0.2821	3.5448	17.9474	0.0557	63.6200	0.0157	18.1817
32	0.2708	3.6925	18.2295	0.0549	67.3125	0.0149	18.8849
33	0.2600	3.8464	18.5003	0.0541	71.1589	0.0141	19.5938
34	0.2496	4.0066	18.7603	0.0533	75.1655	0.0133	20.3084
35	0.2396	4.1736	19.0099	0.0526	79.3390	0.0126	21.0286
40	0.1954	5.1186	20.1158	0.0497	102.9648	0.0097	24.7121
45	0.1593	6.2776	21.0176	0.0476	131.9403	0.0076	28.5266
50	0.1299	7.6991	21.7529	0.0460	167.4768	0.0060	32.4637
55	0.1059	9.4424	22.3524	0.0447	211.0599	0.0047	36.5147
60	0.0864	11.5805	22.8412	0.0438	264.5116	0.0038	40.6708
65	0.0704	14.2027	23.2398	0.0430	330.0666	0.0030	44.9232
70	0.0574	17.4186	23.5648	0.0424	410.4654	0.0024	49.2635
75	0.0468	21.3628	23.8297	0.0420	509.0692	0.0020	53.6832
80	0.0382	26.2000	24.0458	0.0416	630.0001	0.0016	58.1746
85	0.0311	32.1325	24.2220	0.0413	778.3137	0.0013	62.7303
90	0.0254	39.4084	24.3656	0.0410	960.2105	0.0010	67.3432
95	0.0207	48.3318	24.4827	0.0408	1183.2947	0.0008	72.0071
100	0.0169	59.2757	24.5782	0.0407	1456.8925	0.0007	76.7160

n	Single Payment		Equal Payment Series				Uniform
	Compound- amount Factor	Present- worth Factor	Compound- amount Factor	Sinking- fund Factor	Present- worth Factor	Capital- recovery Factor	Gradient- Series Factor
	to find F given P F/P, i, n	to find P given F P/F, i, n	to find F given A F/A, i, n	to find A given F A/F, i, n	to find P given A P/A, i, n	to find A given P A/P, i, n	to find A given G A/G, i, n
1	0.9500	1.0526	1.0000	1.0000	1.0526	0.9500	0.0000
2	0.9025	1.1080	1.9500	0.5128	2.1607	0.4628	0.5128
3	0.8574	1.1664	2.8525	0.3506	3.3270	0.3006	1.0342
4	0.8145	1.2277	3.7099	0.2696	4.5548	0.2196	1.5641
5	0.7738	1.2924	4.5244	0.2210	5.8471	0.1710	2.1025
6	0.7351	1.3604	5.2982	0.1887	7.2075	0.1387	2.6494
7	0.6983	1.4320	6.0333	0.1657	8.6395	0.1157	3.2047
8	0.6634	1.5073	6.7316	0.1486	10.1468	0.0986	3.7685
9	0.6302	1.5867	7.3950	0.1352	11.7335	0.0852	4.3407
10	0.5987	1.6702	8.0253	0.1246	13.4037	0.0746	4.9213
11	0.5688	1.7581	8.6240	0.1160	15.1617	0.0660	5.5102
12	0.5404	1.8506	9.1928	0.1088	17.0124	0.0588	6.1074
13	0.5133	1.9480	9.7332	0.1027	18.9604	0.0527	6.7128
14	0.4877	2.0505	10.2465	0.0976	21.0109	0.0476	7.3264
15	0.4633	2.1585	10.7342	0.0932	23.1694	0.0432	7.9481
16	0.4401	2.2721	11.1975	0.0893	25.4415	0.0393	8.5779
17	0.4181	2.3917	11.6376	0.0859	27.8331	0.0359	9.2157
18	0.3972	2.5175	12.0557	0.0829	30.3507	0.0329	9.8614
19	0.3774	2.6500	12.4529	0.0803	33.0007	0.0303	10.5149
20	0.3585	2.7895	12.8303	0.0779	35.7902	0.0279	11.1762
21	0.3406	2.9363	13.1888	0.0758	38.7265	0.0258	11.8453
22	0.3235	3.0909	13.5293	0.0739	41.8174	0.0239	12.5219
23	0.3074	3.2535	13.8529	0.0722	45.0709	0.0222	13.2061
24	0.2920	3.4248	14.1602	0.0706	48.4957	0.0206	13.8978
25	0.2774	3.6050	14.4522	0.0692	52.1008	0.0192	14.5968
26	0.2635	3.7948	14.7296	0.0679	55.8955	0.0179	15.3031
27	0.2503	3.9945	14.9931	0.0667	59.8900	0.0167	16.0165
28	0.2378	4.2047	15.2435	0.0656	64.0948	0.0156	16.7371
29	0.2259	4.4260	15.4813	0.0646	68.5208	0.0146	17.4646
30	0.2146	4.6590	15.7072	0.0637	73.1798	0.0137	18.1990
31	0.2039	4.9042	15.9219	0.0628	78.0840	0.0128	18.9402
32	0.1937	5.1623	16.1258	0.0620	83.2463	0.0120	19.6880
33	0.1840	5.4340	16.3195	0.0613	88.6803	0.0113	20.4425
34	0.1748	5.7200	16.5035	0.0606	94.4004	0.0106	21.2034
35	0.1661	6.0211	16.6783	0.0600	100.4214	0.0100	21.9706
40	0.1285	7.7814	17.4298	0.0574	135.6273	0.0074	25.8985
45	0.0994	10.0563	18.0112	0.0555	181.1258	0.0055	29.9689
50	0.0769	12.9963	18.4611	0.0542	239.9260	0.0042	34.1680
55	0.0595	16.7958	18.8092	0.0532	315.9168	0.0032	38.4819
60	0.0461	21.7062	19.0786	0.0524	414.1239	0.0024	42.8977
65	0.0356	28.0521	19.2870	0.0518	541.0424	0.0018	47.4028
70	0.0276	36.2533	19.4483	0.0514	705.0661	0.0014	51.9856
75	0.0213	46.8522	19.5731	0.0511	917.0432	0.0011	56.6357
80	0.0165	60.5496	19.6697	0.0508	1190.9928	0.0008	61.3434
85	0.0128	78.2517	19.7444	0.0506	1545.0332	0.0006	66.1003
90	0.0099	101.1290	19.8022	0.0505	2002.5791	0.0005	70.8988
95	0.0077	130.6946	19.8470	0.0504	2593.8911	0.0004	75.7325
100	0.0059	168.9038	19.8816	0.0503	3358.0764	0.0003	80.5956

n	Single Payment		Equal Payment Series				Uniform
	Compound- amount Factor	Present- worth Factor	Compound- amount Factor	Sinking- fund Factor	Present- worth Factor	Capital- recovery Factor	Gradient- Series Factor
	to find F given P F/P, i, n	to find P given F P/F, i, n	to find F given A F/A, i, n	to find A given F A/F, i, n	to find P given A P/A, i, n	to find A given P A/P, i, n	to find A given G A/G, i, n
1	0.9400	1.0638	1.0000	1.0000	1.0638	0.9400	0.0000
2	0.8836	1.1317	1.9400	0.5155	2.1956	0.4555	0.5155
3	0.8306	1.2040	2.8236	0.3542	3.3995	0.2942	1.0412
4	0.7807	1.2808	3.6542	0.2737	4.6804	0.2137	1.5773
5	0.7339	1.3626	4.4349	0.2255	6.0429	0.1655	2.1235
6	0.6899	1.4495	5.1688	0.1935	7.4925	0.1335	2.6800
7	0.6485	1.5421	5.8587	0.1707	9.0346	0.1107	3.2467
8	0.6096	1.6405	6.5072	0.1537	10.6751	0.0937	3.8235
9	0.5730	1.7452	7.1168	0.1405	12.4203	0.0805	4.4104
10	0.5386	1.8566	7.6897	0.1300	14.2769	0.0700	5.0072
11	0.5063	1.9751	8.2284	0.1215	16.2520	0.0615	5.6140
12	0.4759	2.1012	8.7347	0.1145	18.3532	0.0545	6.2306
13	0.4474	2.2353	9.2106	0.1086	20.5885	0.0486	6.8570
14	0.4205	2.3780	9.6579	0.1035	22.9665	0.0435	7.4931
15	0.3953	2.5298	10.0785	0.0992	25.4963	0.0392	8.1387
16	0.3716	2.6913	10.4738	0.0955	28.1875	0.0355	8.7938
17	0.3493	2.8630	10.8453	0.0922	31.0506	0.0322	9.4582
18	0.3283	3.0458	11.1946	0.0893	34.0963	0.0293	10.1319
19	0.3086	3.2402	11.5229	0.0868	37.3365	0.0268	10.8147
20	0.2901	3.4470	11.8316	0.0845	40.7836	0.0245	11.5066
21	0.2727	3.6670	12.1217	0.0825	44.4506	0.0225	12.2072
22	0.2563	3.9011	12.3944	0.0807	48.3517	0.0207	12.9167
23	0.2410	4.1501	12.6507	0.0790	52.5018	0.0190	13.6347
24	0.2265	4.4150	12.8917	0.0776	56.9168	0.0176	14.3611
25	0.2129	4.6968	13.1182	0.0762	61.6136	0.0162	15.0959
26	0.2001	4.9966	13.3311	0.0750	66.6102	0.0150	15.8388
27	0.1881	5.3155	13.5312	0.0739	71.9258	0.0139	16.5898
28	0.1768	5.6548	13.7193	0.0729	77.5806	0.0129	17.3486
29	0.1662	6.0158	13.8962	0.0720	83.5964	0.0120	18.1151
30	0.1563	6.3998	14.0624	0.0711	89.9962	0.0111	18.8891
31	0.1469	6.8083	14.2187	0.0703	96.8044	0.0103	19.6706
32	0.1381	7.2428	14.3655	0.0696	104.0473	0.0096	20.4592
33	0.1298	7.7051	14.5036	0.0689	111.7524	0.0089	21.2549
34	0.1220	8.1970	14.6334	0.0683	119.9494	0.0083	22.0575
35	0.1147	8.7202	14.7554	0.0678	128.6696	0.0078	22.8669
40	0.0842	11.8819	15.2640	0.0655	181.3650	0.0055	27.0092
45	0.0618	16.1900	15.6372	0.0639	253.1665	0.0039	31.2958
50	0.0453	22.0601	15.9112	0.0628	351.0015	0.0028	35.7075
55	0.0333	30.0586	16.1122	0.0621	484.3092	0.0021	40.2261
60	0.0244	40.9571	16.2597	0.0615	665.9510	0.0015	44.8349
65	0.0179	55.8071	16.3680	0.0611	913.4518	0.0011	49.5193
70	0.0132	76.0414	16.4475	0.0608	1250.6904	0.0008	54.2662
75	0.0097	103.6122	16.5058	0.0606	1710.2037	0.0006	59.0642
80	0.0071	141.1795	16.5486	0.0604	2336.3254	0.0004	63.9040
85	0.0052	192.3678	16.5800	0.0603	3189.4638	0.0003	68.7775
90	0.0038	262.1158	16.6031	0.0602	4351.9298	0.0002	73.6780
95	0.0028	357.1527	16.6200	0.0602	5935.8779	0.0002	78.6001
100	0.0021	486.6477	16.6324	0.0601	8094.1277	0.0001	83.5392

n	Single Payment		Equal Payment Series				Uniform
	Compound- amount Factor	Present- worth Factor	Compound- amount Factor	Sinking- fund Factor	Present- worth Factor	Capital- recovery Factor	Gradient- Series Factor
	to find F given P F/P, i, n	to find P given F P/F, i, n	to find F given A F/A, i, n	to find A given F A/F, i, n	to find P given A P/A, i, n	to find A given P A/P, i, n	to find A given G A/G, i, n
1	0.9300	1.0753	1.0000	1.0000	1.0753	0.9300	0.0000
2	0.8649	1.1562	1.9300	0.5181	2.2315	0.4481	0.5181
3	0.8044	1.2432	2.7949	0.3578	3.4747	0.2878	1.0483
4	0.7481	1.3368	3.5993	0.2778	4.8115	0.2078	1.5906
5	0.6957	1.4374	4.3473	0.2300	6.2489	0.1600	2.1448
6	0.6470	1.5456	5.0430	0.1983	7.7946	0.1283	2.7110
7	0.6017	1.6620	5.6900	0.1757	9.4565	0.1057	3.2890
8	0.5596	1.7870	6.2917	0.1589	11.2436	0.0889	3.8788
9	0.5204	1.9216	6.8513	0.1460	13.1651	0.0760	4.4804
10	0.4840	2.0662	7.3717	0.1357	15.2313	0.0657	5.0935
11	0.4501	2.2217	7.8557	0.1273	17.4530	0.0573	5.7181
12	0.4186	2.3889	8.3058	0.1204	19.8420	0.0504	6.3540
13	0.3893	2.5687	8.7244	0.1146	22.4107	0.0446	7.0011
14	0.3620	2.7621	9.1137	0.1097	25.1728	0.0397	7.6594
15	0.3367	2.9700	9.4757	0.1055	28.1428	0.0355	8.3285
16	0.3131	3.1935	9.8124	0.1019	31.3363	0.0319	9.0084
17	0.2912	3.4339	10.1255	0.0988	34.7703	0.0288	9.6989
18	0.2708	3.6924	10.4167	0.0960	38.4626	0.0260	10.3998
19	0.2519	3.9703	10.6876	0.0936	42.4329	0.0236	11.1109
20	0.2342	4.2691	10.9394	0.0914	46.7021	0.0214	11.8321
21	0.2178	4.5905	11.1737	0.0895	51.2926	0.0195	12.5631
22	0.2026	4.9360	11.3915	0.0878	56.2286	0.0178	13.3037
23	0.1884	5.3075	11.5941	0.0863	61.5361	0.0163	14.0538
24	0.1752	5.7070	11.7825	0.0849	67.2431	0.0149	14.8131
25	0.1630	6.1366	11.9578	0.0836	73.3797	0.0136	15.5813
26	0.1516	6.5985	12.1207	0.0825	79.9782	0.0125	16.3584
27	0.1409	7.0951	12.2723	0.0815	87.0733	0.0115	17.1441
28	0.1311	7.6292	12.4132	0.0806	94.7025	0.0106	17.9380
29	0.1219	8.2034	12.5443	0.0797	102.9059	0.0097	18.7402
30	0.1134	8.8209	12.6662	0.0790	111.7267	0.0090	19.5502
31	0.1054	9.4848	12.7795	0.0783	121.2116	0.0083	20.3679
32	0.0981	10.1987	12.8850	0.0776	131.4103	0.0076	21.1930
33	0.0912	10.9664	12.9830	0.0770	142.3766	0.0070	22.0254
34	0.0848	11.7918	13.0742	0.0765	154.1684	0.0065	22.8648
35	0.0789	12.6793	13.1590	0.0760	166.8478	0.0060	23.7110
40	0.0549	18.2256	13.5019	0.0741	246.0801	0.0041	28.0364
45	0.0382	26.1980	13.7404	0.0728	359.9707	0.0028	32.5001
50	0.0266	37.6576	13.9064	0.0719	523.6799	0.0019	37.0783
55	0.0185	54.1300	14.0218	0.0713	758.9996	0.0013	41.7495
60	0.0129	77.8078	14.1021	0.0709	1097.2542	0.0009	46.4955
65	0.0089	111.8429	14.1580	0.0706	1583.4697	0.0006	51.3007
70	0.0062	160.7658	14.1969	0.0704	2282.3682	0.0004	56.1524
75	0.0043	231.0888	14.2239	0.0703	3286.9826	0.0003	61.0402
80	0.0030	332.1728	14.2427	0.0702	4731.0405	0.0002	65.9559
85	0.0021	477.4736	14.2558	0.0701	6806.7659	0.0001	70.8927
90	0.0015	686.3326	14.2649	0.0701	9790.4658	0.0001	75.8456
95	0.0010	986.5518	14.2712	0.0701	14079.3112	0.0001	80.8107
100	0.0007	1418.0944	14.2756	0.0700	20244.2058	0.0000	85.7849

n	Single Payment		Equal Payment Series				Uniform
	Compound- amount Factor	Present- worth Factor	Compound- amount Factor	Sinking- fund Factor	Present- worth Factor	Capital- recovery Factor	Gradient- Series Factor
	to find F given P F/P, i, n	to find P given F P/F, i, n	to find F given A F/A, i, n	to find A given F A/F, i, n	to find P given A P/A, i, n	to find A given P A/P, i, n	to find A given G A/G, i, n
1	0.9200	1.0870	1.0000	1.0000	1.0870	0.9200	0.0000
2	0.8464	1.1815	1.9200	0.5208	2.2684	0.4408	0.5208
3	0.7787	1.2842	2.7664	0.3615	3.5526	0.2815	1.0555
4	0.7164	1.3959	3.5451	0.2821	4.9485	0.2021	1.6040
5	0.6591	1.5173	4.2615	0.2347	6.4658	0.1547	2.1663
6	0.6064	1.6492	4.9206	0.2032	8.1150	0.1232	2.7422
7	0.5578	1.7926	5.5269	0.1809	9.9076	0.1009	3.3316
8	0.5132	1.9485	6.0848	0.1643	11.8561	0.0843	3.9345
9	0.4722	2.1179	6.5980	0.1516	13.9740	0.0716	4.5507
10	0.4344	2.3021	7.0701	0.1414	16.2761	0.0614	5.1800
11	0.3996	2.5023	7.5045	0.1333	18.7784	0.0533	5.8223
12	0.3677	2.7199	7.9042	0.1265	21.4982	0.0465	6.4773
13	0.3383	2.9564	8.2718	0.1209	24.4546	0.0409	7.1450
14	0.3112	3.2134	8.6101	0.1161	27.6680	0.0361	7.8250
15	0.2863	3.4929	8.9213	0.1121	31.1609	0.0321	8.5172
16	0.2634	3.7966	9.2076	0.1086	34.9575	0.0286	9.2212
17	0.2423	4.1267	9.4710	0.1056	39.0842	0.0256	9.9370
18	0.2229	4.4856	9.7133	0.1030	43.5698	0.0230	10.6641
19	0.2051	4.8756	9.9362	0.1006	48.4455	0.0206	11.4024
20	0.1887	5.2996	10.1413	0.0986	53.7451	0.0186	12.1516
21	0.1736	5.7604	10.3300	0.0968	59.5055	0.0168	12.9114
22	0.1597	6.2613	10.5036	0.0952	65.7668	0.0152	13.6814
23	0.1469	6.8058	10.6633	0.0938	72.5727	0.0138	14.4615
24	0.1352	7.3976	10.8103	0.0925	79.9703	0.0125	15.2514
25	0.1244	8.0409	10.9454	0.0914	88.0112	0.0114	16.0507
26	0.1144	8.7401	11.0698	0.0903	96.7513	0.0103	16.8591
27	0.1053	9.5001	11.1842	0.0894	106.2514	0.0094	17.6764
28	0.0968	10.3262	11.2895	0.0886	116.5776	0.0086	18.5023
29	0.0891	11.2241	11.3863	0.0878	127.8017	0.0078	19.3364
30	0.0820	12.2002	11.4754	0.0871	140.0019	0.0071	20.1785
31	0.0754	13.2610	11.5574	0.0865	153.2629	0.0065	21.0283
32	0.0694	14.4142	11.6328	0.0860	167.6771	0.0060	21.8855
33	0.0638	15.6676	11.7022	0.0855	183.3446	0.0055	22.7499
34	0.0587	17.0300	11.7660	0.0850	200.3746	0.0050	23.6210
35	0.0540	18.5108	11.8247	0.0846	218.8855	0.0046	24.4988
40	0.0356	28.0858	12.0549	0.0830	338.5726	0.0030	28.9768
45	0.0235	42.6136	12.2067	0.0819	520.1694	0.0019	33.5814
50	0.0155	64.6560	12.3067	0.0813	795.6996	0.0013	38.2855
55	0.0102	98.1001	12.3726	0.0808	1213.7514	0.0008	43.0664
60	0.0067	148.8437	12.4160	0.0805	1848.0458	0.0005	47.9058
65	0.0044	225.8350	12.4446	0.0804	2810.4373	0.0004	52.7891
70	0.0029	342.6511	12.4635	0.0802	4270.6383	0.0002	57.7049
75	0.0019	519.8918	12.4760	0.0802	6486.1472	0.0002	62.6445
80	0.0013	788.8126	12.4842	0.0801	9847.6569	0.0001	67.6015
85	0.0008	1196.8361	12.4896	0.0801	14947.9511	0.0001	72.5711
90	0.0006	1815.9151	12.4931	0.0800	22686.4387	0.0000	77.5496
95	0.0004	2755.2208	12.4955	0.0800	34427.7595	0.0000	82.5345
100	0.0002	4180.3945	12.4970	0.0800	52242.4310	0.0000	87.5239

i -9 % INTEREST FACTORS FOR DISCRETE COMPOUNDING

n	Single Payment		Equal Payment Series				Uniform Gradient-Series Factor to find A given G A/G, i, n
	Compound-amount Factor	Present-worth Factor	Compound-amount Factor	Sinking-fund Factor	Present-worth Factor	Capital-recovery Factor	
	to find F given P F/P, i, n	to find P given F P/F, i, n	to find F given A F/A, i, n	to find A given F A/F, i, n	to find P given A P/A, i, n	to find A given P A/P, i, n	
1	0.9100	1.0989	1.0000	1.0000	1.0989	0.9100	0.0000
2	0.8281	1.2076	1.9100	0.5236	2.3065	0.4336	0.5236
3	0.7536	1.3270	2.7381	0.3652	3.6335	0.2752	1.0628
4	0.6857	1.4583	3.4917	0.2864	5.0918	0.1964	1.6176
5	0.6240	1.6025	4.1774	0.2394	6.6942	0.1494	2.1879
6	0.5679	1.7610	4.8015	0.2083	8.4552	0.1183	2.7736
7	0.5168	1.9351	5.3693	0.1862	10.3903	0.0962	3.3745
8	0.4703	2.1265	5.8861	0.1699	12.5169	0.0799	3.9904
9	0.4279	2.3368	6.3563	0.1573	14.8537	0.0673	4.6212
10	0.3894	2.5679	6.7843	0.1474	17.4216	0.0574	5.2667
11	0.3544	2.8219	7.1737	0.1394	20.2436	0.0494	5.9265
12	0.3225	3.1010	7.5281	0.1328	23.3446	0.0428	6.6004
13	0.2935	3.4077	7.8505	0.1274	26.7523	0.0374	7.2882
14	0.2670	3.7447	8.1440	0.1228	30.4970	0.0328	7.9896
15	0.2430	4.1151	8.4110	0.1189	34.6121	0.0289	8.7042
16	0.2211	4.5221	8.6540	0.1156	39.1342	0.0256	9.4317
17	0.2012	4.9693	8.8752	0.1127	44.1035	0.0227	10.1717
18	0.1831	5.4608	9.0764	0.1102	49.5643	0.0202	10.9241
19	0.1666	6.0009	9.2595	0.1080	55.5651	0.0180	11.6882
20	0.1516	6.5944	9.4262	0.1061	62.1595	0.0161	12.4639
21	0.1380	7.2465	9.5778	0.1044	69.4060	0.0144	13.2507
22	0.1256	7.9632	9.7158	0.1029	77.3692	0.0129	14.0483
23	0.1143	8.7508	9.8414	0.1016	86.1200	0.0116	14.8563
24	0.1040	9.6163	9.9557	0.1004	95.7363	0.0104	15.6743
25	0.0946	10.5673	10.0597	0.0994	106.3036	0.0094	16.5019
26	0.0861	11.6124	10.1543	0.0985	117.9161	0.0085	17.3388
27	0.0784	12.7609	10.2404	0.0977	130.6770	0.0077	18.1846
28	0.0713	14.0230	10.3188	0.0969	144.7000	0.0069	19.0389
29	0.0649	15.4099	10.3901	0.0962	160.1099	0.0062	19.9014
30	0.0591	16.9339	10.4550	0.0956	177.0439	0.0056	20.7717
31	0.0537	18.6087	10.5140	0.0951	195.6526	0.0051	21.6494
32	0.0489	20.4492	10.5678	0.0946	216.1018	0.0046	22.5342
33	0.0445	22.4716	10.6167	0.0942	238.5734	0.0042	23.4258
34	0.0405	24.6941	10.6612	0.0938	263.2674	0.0038	24.3238
35	0.0369	27.1363	10.7017	0.0934	290.4038	0.0034	25.2280
40	0.0230	43.4855	10.8556	0.0921	472.0609	0.0021	29.8304
45	0.0144	69.6847	10.9517	0.0913	763.1632	0.0013	34.5441
50	0.0090	111.6684	11.0116	0.0908	1229.6491	0.0008	39.3407
55	0.0056	178.9466	11.0490	0.0905	1977.1843	0.0005	44.1980
60	0.0035	286.7586	11.0724	0.0903	3175.0956	0.0003	49.0989
65	0.0022	459.5254	11.0869	0.0902	5094.7264	0.0002	54.0306
70	0.0014	736.3809	11.0960	0.0901	8170.8993	0.0001	58.9841
75	0.0008	1180.0369	11.1017	0.0901	13100.4096	0.0001	63.9525
80	0.0005	1890.9873	11.1052	0.0900	20999.8590	0.0000	68.9312
85	0.0003	3030.2723	11.1074	0.0900	33658.5809	0.0000	73.9169
90	0.0002	4855.9554	11.1088	0.0900	53943.9491	0.0000	78.9074
95	0.0001	7781.5790	11.1097	0.0900	86450.8775	0.0000	83.9011
100	0.0001	12469.8367	11.1102	0.0900	138542.6305	0.0000	88.8969

i -10 % INTEREST FACTORS FOR DISCRETE COMPOUNDING

n	Single Payment		Equal Payment Series				Uniform Gradient-Series Factor
	Compound-amount Factor	Present-worth Factor	Compound-amount Factor	Sinking-fund Factor	Present-worth Factor	Capital-recovery Factor	
	to find F given P F/P, i, n	to find P given F P/F, i, n	to find F given A F/A, i, n	to find A given F A/F, i, n	to find P given A P/A, i, n	to find A given P A/P, i, n	to find A given G A/G, i, n
1	0.9000	1.1111	1.0000	1.0000	1.1111	0.9000	0.0000
2	0.8100	1.2346	1.9000	0.5263	2.3457	0.4263	0.5263
3	0.7290	1.3717	2.7100	0.3690	3.7174	0.2690	1.0701
4	0.6561	1.5242	3.4390	0.2908	5.2416	0.1908	1.6313
5	0.5905	1.6935	4.0951	0.2442	6.9351	0.1442	2.2097
6	0.5314	1.8817	4.6856	0.2134	8.8168	0.1134	2.8052
7	0.4783	2.0908	5.2170	0.1917	10.9075	0.0917	3.4176
8	0.4305	2.3231	5.6953	0.1756	13.2306	0.0756	4.0466
9	0.3874	2.5812	6.1258	0.1632	15.8117	0.0632	4.6920
10	0.3487	2.8680	6.5132	0.1535	18.6797	0.0535	5.3534
11	0.3138	3.1866	6.8619	0.1457	21.8664	0.0457	6.0306
12	0.2824	3.5407	7.1757	0.1394	25.4071	0.0394	6.7231
13	0.2542	3.9341	7.4581	0.1341	29.3412	0.0341	7.4306
14	0.2288	4.3712	7.7123	0.1297	33.7124	0.0297	8.1528
15	0.2059	4.8569	7.9411	0.1259	38.5694	0.0259	8.8891
16	0.1853	5.3966	8.1470	0.1227	43.9660	0.0227	9.6392
17	0.1668	5.9962	8.3323	0.1200	49.9622	0.0200	10.4026
18	0.1501	6.6625	8.4991	0.1177	56.6246	0.0177	11.1788
19	0.1351	7.4027	8.6491	0.1156	64.0274	0.0156	11.9675
20	0.1216	8.2253	8.7842	0.1138	72.2526	0.0138	12.7681
21	0.1094	9.1392	8.9058	0.1123	81.3918	0.0123	13.5801
22	0.0985	10.1546	9.0152	0.1109	91.5465	0.0109	14.4032
23	0.0886	11.2829	9.1137	0.1097	102.8294	0.0097	15.2367
24	0.0798	12.5366	9.2023	0.1087	115.3660	0.0087	16.0803
25	0.0718	13.9296	9.2821	0.1077	129.2956	0.0077	16.9336
26	0.0646	15.4773	9.3539	0.1069	144.7728	0.0069	17.7959
27	0.0581	17.1970	9.4185	0.1062	161.9698	0.0062	18.6670
28	0.0523	19.1078	9.4767	0.1055	181.0776	0.0055	19.5463
29	0.0471	21.2308	9.5290	0.1049	202.3084	0.0049	20.4335
30	0.0424	23.5898	9.5761	0.1044	225.8982	0.0044	21.3280
31	0.0382	26.2109	9.6185	0.1040	252.1092	0.0040	22.2296
32	0.0343	29.1232	9.6566	0.1036	281.2324	0.0036	23.1378
33	0.0309	32.3592	9.6910	0.1032	313.5916	0.0032	24.0523
34	0.0278	35.9546	9.7219	0.1029	349.5462	0.0029	24.9727
35	0.0250	39.9496	9.7497	0.1026	389.4958	0.0026	25.8986
40	0.0148	67.6550	9.8522	0.1015	666.5496	0.0015	30.6001
45	0.0087	114.5743	9.9127	0.1009	1135.7426	0.0009	35.3962
50	0.0052	194.0325	9.9485	0.1005	1930.3252	0.0005	40.2590
55	0.0030	328.5958	9.9696	0.1003	3275.9578	0.0003	45.1679
60	0.0018	556.4798	9.9820	0.1002	5554.7984	0.0002	50.1080
65	0.0011	942.4035	9.9894	0.1001	9414.0349	0.0001	55.0690
70	0.0006	1595.9686	9.9937	0.1001	15949.6859	0.0001	60.0439
75	0.0004	2702.7868	9.9963	0.1000	27017.8682	0.0000	65.0278
80	0.0002	4577.1932	9.9978	0.1000	45761.9321	0.0000	70.0175
85	0.0001	7751.5169	9.9987	0.1000	77505.1689	0.0000	75.0110
90	0.0001	13127.2619	9.9992	0.1000	131262.6192	0.0000	80.0069
95	0.0000	22231.1333	9.9996	0.1000	222301.3333	0.0000	85.0043
100	0.0000	37648.6195	9.9997	0.1000	376476.1950	0.0000	90.0027

n	Single Payment		Equal Payment Series				Uniform Gradient-Series Factor
	Compound-amount Factor	Present-worth Factor	Compound-amount Factor	Sinking-fund Factor	Present-worth Factor	Capital-recovery Factor	
	to find F given P F/P, i, n	to find P given F P/F, i, n	to find F given A F/A, i, n	to find A given F A/F, i, n	to find P given A P/A, i, n	to find A given P A/P, i, n	to find A given G A/G, i, n
1	0.8900	1.1236	1.0000	1.0000	1.1236	0.8900	0.0000
2	0.7921	1.2625	1.8900	0.5291	2.3861	0.4191	0.5291
3	0.7050	1.4185	2.6821	0.3728	3.8046	0.2628	1.0775
4	0.6274	1.5938	3.3871	0.2952	5.3984	0.1852	1.6451
5	0.5584	1.7908	4.0145	0.2491	7.1892	0.1391	2.2317
6	0.4970	2.0121	4.5729	0.2187	9.2013	0.1087	2.8371
7	0.4423	2.2608	5.0699	0.1972	11.4622	0.0872	3.4609
8	0.3937	2.5403	5.5122	0.1814	14.0025	0.0714	4.1030
9	0.3504	2.8542	5.9059	0.1693	16.8567	0.0593	4.7628
10	0.3118	3.2070	6.2562	0.1598	20.0637	0.0498	5.4401
11	0.2775	3.6034	6.5680	0.1523	23.6671	0.0423	6.1344
12	0.2470	4.0487	6.8455	0.1461	27.7158	0.0361	6.8451
13	0.2198	4.5491	7.0925	0.1410	32.2650	0.0310	7.5719
14	0.1956	5.1114	7.3124	0.1368	37.3764	0.0268	8.3143
15	0.1741	5.7431	7.5080	0.1332	43.1195	0.0232	9.0715
16	0.1550	6.4530	7.6821	0.1302	49.5725	0.0202	9.8433
17	0.1379	7.2505	7.8371	0.1276	56.8230	0.0176	10.6289
18	0.1227	8.1467	7.9750	0.1254	64.9697	0.0154	11.4277
19	0.1092	9.1536	8.0978	0.1235	74.1232	0.0135	12.2394
20	0.0972	10.2849	8.2070	0.1218	84.4081	0.0118	13.0631
21	0.0865	11.5561	8.3042	0.1204	95.9642	0.0104	13.8985
22	0.0770	12.9843	8.3908	0.1192	108.9485	0.0092	14.7448
23	0.0685	14.5891	8.4678	0.1181	123.5377	0.0081	15.6016
24	0.0610	16.3923	8.5363	0.1171	139.9300	0.0071	16.4683
25	0.0543	18.4183	8.5973	0.1163	158.3483	0.0063	17.3444
26	0.0483	20.6947	8.6516	0.1156	179.0430	0.0056	18.2292
27	0.0430	23.2525	8.6999	0.1149	202.2955	0.0049	19.1224
28	0.0383	26.1264	8.7430	0.1144	228.4220	0.0044	20.0235
29	0.0341	29.3555	8.7812	0.1139	257.7775	0.0039	20.9318
30	0.0303	32.9837	8.8153	0.1134	290.7612	0.0034	21.8471
31	0.0270	37.0604	8.8456	0.1131	327.8216	0.0031	22.7688
32	0.0240	41.6409	8.8726	0.1127	369.4624	0.0027	23.6965
33	0.0214	46.7875	8.8966	0.1124	416.2499	0.0024	24.6298
34	0.0190	52.5702	8.9180	0.1121	468.8202	0.0021	25.5684
35	0.0169	59.0677	8.9370	0.1119	527.8878	0.0019	26.5118
40	0.0095	105.7791	9.0050	0.1110	952.5370	0.0010	31.2908
45	0.0053	189.4304	9.0429	0.1106	1713.0037	0.0006	36.1479
50	0.0029	339.2342	9.0641	0.1103	3074.8566	0.0003	41.0569
55	0.0016	607.5047	9.0759	0.1102	5513.6790	0.0002	45.9998
60	0.0009	1087.9266	9.0826	0.1101	9881.1510	0.0001	50.9643
65	0.0005	1948.2719	9.0862	0.1101	17702.4719	0.0001	55.9425
70	0.0003	3488.9885	9.0883	0.1100	31708.9861	0.0000	60.9292
75	0.0002	6248.1220	9.0895	0.1100	56792.0183	0.0000	65.9211
80	0.0001	11189.2111	9.0901	0.1100	101711.0102	0.0000	70.9162
85	0.0000	20037.7722	9.0905	0.1100	182152.4746	0.0000	75.9133
90	0.0000	35883.8805	9.0907	0.1100	326208.0047	0.0000	80.9116
95	0.0000	64261.2795	9.0908	0.1100	584184.3594	0.0000	85.9106
100	0.0000	115079.8628	9.0908	0.1100	1046171.4802	0.0000	90.9100

n	Single Payment		Equal Payment Series				Uniform Gradient-Series Factor
	Compound-amount Factor	Present-worth Factor	Compound-amount Factor	Sinking-fund Factor	Present-worth Factor	Capital-recovery Factor	
	to find F given P F/P, i, n	to find P given F P/F, i, n	to find F given A F/A, i, n	to find A given F A/F, i, n	to find P given A P/A, i, n	to find A given P A/P, i, n	to find A given G A/G, i, n
1	0.8800	1.1364	1.0000	1.0000	1.1364	0.8800	0.0000
2	0.7744	1.2913	1.8800	0.5319	2.4277	0.4119	0.5319
3	0.6815	1.4674	2.6544	0.3767	3.8951	0.2567	1.0850
4	0.5997	1.6675	3.3359	0.2998	5.5626	0.1798	1.6591
5	0.5277	1.8949	3.9356	0.2541	7.4575	0.1341	2.2539
6	0.4644	2.1533	4.4633	0.2240	9.6108	0.1040	2.8691
7	0.4087	2.4469	4.9277	0.2029	12.0577	0.0829	3.5045
8	0.3596	2.7806	5.3364	0.1874	14.8383	0.0674	4.1595
9	0.3165	3.1598	5.6960	0.1756	17.9981	0.0556	4.8338
10	0.2785	3.5907	6.0125	0.1663	21.5888	0.0463	5.5267
11	0.2451	4.0803	6.2910	0.1590	25.6691	0.0390	6.2378
12	0.2157	4.6367	6.5361	0.1530	30.3057	0.0330	6.9664
13	0.1898	5.2690	6.7517	0.1481	35.5747	0.0281	7.7119
14	0.1670	5.9875	6.9415	0.1441	41.5622	0.0241	8.4737
15	0.1470	6.8039	7.1086	0.1407	48.3661	0.0207	9.2511
16	0.1293	7.7317	7.2555	0.1378	56.0978	0.0178	10.0435
17	0.1138	8.7861	7.3849	0.1354	64.8839	0.0154	10.8501
18	0.1002	9.9842	7.4987	0.1334	74.8681	0.0134	11.6702
19	0.0881	11.3456	7.5988	0.1316	86.2137	0.0116	12.5032
20	0.0776	12.8928	7.6870	0.1301	99.1065	0.0101	13.3484
21	0.0683	14.6509	7.7645	0.1288	113.7574	0.0088	14.2050
22	0.0601	16.6487	7.8328	0.1277	130.4061	0.0077	15.0725
23	0.0529	18.9190	7.8929	0.1267	149.3251	0.0067	15.9502
24	0.0465	21.4989	7.9457	0.1259	170.8240	0.0059	16.8375
25	0.0409	24.4305	7.9922	0.1251	195.2546	0.0051	17.7336
26	0.0360	27.7620	8.0332	0.1245	223.0165	0.0045	18.6382
27	0.0317	31.5477	8.0692	0.1239	254.5643	0.0039	19.5505
28	0.0279	35.8497	8.1009	0.1234	290.4139	0.0034	20.4701
29	0.0245	40.7383	8.1288	0.1230	331.1522	0.0030	21.3964
30	0.0216	46.2935	8.1533	0.1226	377.4457	0.0026	22.3290
31	0.0190	52.6062	8.1749	0.1223	430.0519	0.0023	23.2674
32	0.0167	59.7798	8.1939	0.1220	489.8317	0.0020	24.2111
33	0.0147	67.9316	8.2107	0.1218	557.7633	0.0018	25.1597
34	0.0130	77.1950	8.2254	0.1216	634.9583	0.0016	26.1129
35	0.0114	87.7216	8.2383	0.1214	722.6799	0.0014	27.0703
40	0.0060	166.2238	8.2832	0.1207	1376.8647	0.0007	31.9088
45	0.0032	314.9777	8.3069	0.1204	2616.4805	0.0004	36.8100
50	0.0017	596.8516	8.3194	0.1202	4965.4303	0.0002	41.7506
55	0.0009	1130.9751	8.3260	0.1201	9416.4589	0.0001	46.7153
60	0.0005	2143.0864	8.3294	0.1201	17850.7196	0.0001	51.6947
65	0.0002	4060.9375	8.3313	0.1200	33832.8129	0.0000	56.6827
70	0.0001	7695.0766	8.3323	0.1200	64117.3053	0.0000	61.6758
75	0.0001	14581.4123	8.3328	0.1200	121503.4354	0.0000	66.6718
80	0.0000	27630.3399	8.3330	0.1200	230244.4994	0.0000	71.6696
85	0.0000	52356.7725	8.3332	0.1200	436298.1045	0.0000	76.6683
90	0.0000	99210.9267	8.3332	0.1200	826749.3896	0.0000	81.6676
95	0.0000	187994.9338	8.3333	0.1200	1566616.1148	0.0000	86.6672
100	0.0000	356231.8817	8.3333	0.1200	2968590.6811	0.0000	91.6669

n	Single Payment		Equal Payment Series				Uniform Gradient-Series Factor to find A given G A/G, i, n
	Compound-amount Factor	Present-worth Factor	Compound-amount Factor	Sinking-fund Factor	Present-worth Factor	Capital-recovery Factor	
	to find F given P F/P, i, n	to find P given F P/F, i, n	to find F given A F/A, i, n	to find A given F A/F, i, n	to find P given A P/A, i, n	to find A given P A/P, i, n	
1	0.8700	1.1494	1.0000	1.0000	1.1494	0.8700	0.0000
2	0.7569	1.3212	1.8700	0.5348	2.4706	0.4048	0.5348
3	0.6585	1.5186	2.6269	0.3807	3.9892	0.2507	1.0925
4	0.5729	1.7455	3.2854	0.3044	5.7347	0.1744	1.6731
5	0.4984	2.0063	3.8583	0.2592	7.7410	0.1292	2.2762
6	0.4336	2.3061	4.3567	0.2295	10.0472	0.0995	2.9014
7	0.3773	2.6507	4.7903	0.2088	12.6979	0.0788	3.5482
8	0.3282	3.0468	5.1676	0.1935	15.7447	0.0635	4.2162
9	0.2855	3.5021	5.4958	0.1820	19.2468	0.0520	4.9047
10	0.2484	4.0254	5.7814	0.1730	23.2722	0.0430	5.6131
11	0.2161	4.6269	6.0298	0.1658	27.8991	0.0358	6.3406
12	0.1880	5.3183	6.2459	0.1601	33.2173	0.0301	7.0866
13	0.1636	6.1129	6.4339	0.1554	39.3303	0.0254	7.8503
14	0.1423	7.0264	6.5975	0.1516	46.3566	0.0216	8.6308
15	0.1238	8.0763	6.7399	0.1484	54.4329	0.0184	9.4275
16	0.1077	9.2831	6.8637	0.1457	63.7160	0.0157	10.2393
17	0.0937	10.6702	6.9714	0.1434	74.3862	0.0134	11.0657
18	0.0815	12.2646	7.0651	0.1415	86.6508	0.0115	11.9056
19	0.0709	14.0972	7.1466	0.1399	100.7480	0.0099	12.7584
20	0.0617	16.2037	7.2176	0.1386	116.9518	0.0086	13.6232
21	0.0537	18.6250	7.2793	0.1374	135.5767	0.0074	14.4992
22	0.0467	21.4080	7.3330	0.1364	156.9847	0.0064	15.3857
23	0.0406	24.6069	7.3797	0.1355	181.5917	0.0055	16.2820
24	0.0354	28.2838	7.4203	0.1348	209.8755	0.0048	17.1873
25	0.0308	32.5101	7.4557	0.1341	242.3856	0.0041	18.1011
26	0.0268	37.3680	7.4865	0.1336	279.7536	0.0036	19.0226
27	0.0233	42.9517	7.5132	0.1331	322.7052	0.0031	19.9513
28	0.0203	49.3697	7.5365	0.1327	372.0750	0.0027	20.8866
29	0.0176	56.7468	7.5568	0.1323	428.8218	0.0023	21.8279
30	0.0153	65.2263	7.5744	0.1320	494.0481	0.0020	22.7748
31	0.0133	74.9727	7.5897	0.1318	569.0208	0.0018	23.7268
32	0.0116	86.1755	7.6030	0.1315	655.1963	0.0015	24.6834
33	0.0101	99.0523	7.6146	0.1313	754.2486	0.0013	25.6442
34	0.0088	113.8532	7.6247	0.1312	868.1019	0.0012	26.6090
35	0.0076	130.8658	7.6335	0.1310	998.9677	0.0010	27.5772
40	0.0038	262.5608	7.6630	0.1305	2012.0062	0.0005	32.4606
45	0.0019	526.7853	7.6777	0.1302	4044.5022	0.0002	37.3933
50	0.0009	1056.9084	7.6850	0.1301	8122.3727	0.0001	42.3550
55	0.0005	2120.5138	7.6887	0.1301	16303.9524	0.0001	47.3336
60	0.0002	4254.4639	7.6905	0.1300	32718.9531	0.0000	52.3218
65	0.0001	8535.8855	7.6914	0.1300	65652.9652	0.0000	57.3153
70	0.0001	17125.8571	7.6919	0.1300	131729.6702	0.0000	62.3118
75	0.0000	34360.2293	7.6921	0.1300	264301.7640	0.0000	67.3099
80	0.0000	68938.1763	7.6922	0.1300	530285.9717	0.0000	72.3089
85	0.0000	138313.1676	7.6923	0.1300	1063939.7506	0.0000	77.3083
90	0.0000	277502.7328	7.6923	0.1300	2134628.7138	0.0000	82.3080
95	0.0000	556763.8140	7.6923	0.1300	4282790.8770	0.0000	87.3079
100	0.0000	1117055.4663	7.6923	0.1300	8592726.6642	0.0000	92.3078

n	Single Payment		Equal Payment Series				Uniform Gradient-Series Factor
	Compound-amount Factor	Present-worth Factor	Compound-amount Factor	Sinking-fund Factor	Present-worth Factor	Capital-recovery Factor	
	to find F given P F/P, i, n	to find P given F P/F, i, n	to find F given A F/A, i, n	to find A given F A/F, i, n	to find P given A P/A, i, n	to find A given P A/P, i, n	to find A given G A/G, i, n
1	0.8600	1.1628	1.0000	1.0000	1.1628	0.8600	0.0000
2	0.7396	1.3521	1.8600	0.5376	2.5149	0.3976	0.5376
3	0.6361	1.5722	2.5996	0.3847	4.0871	0.2447	1.1002
4	0.5470	1.8281	3.2357	0.3091	5.9152	0.1691	1.6873
5	0.4704	2.1257	3.7827	0.2644	8.0409	0.1244	2.2987
6	0.4046	2.4718	4.2531	0.2351	10.5127	0.0951	2.9338
7	0.3479	2.8742	4.6577	0.2147	13.3869	0.0747	3.5922
8	0.2992	3.3420	5.0056	0.1998	16.7289	0.0598	4.2730
9	0.2573	3.8861	5.3048	0.1885	20.6150	0.0485	4.9755
10	0.2213	4.5187	5.5621	0.1798	25.1337	0.0398	5.6991
11	0.1903	5.2543	5.7834	0.1729	30.3880	0.0329	6.4427
12	0.1637	6.1097	5.9738	0.1674	36.4977	0.0274	7.2056
13	0.1408	7.1043	6.1374	0.1629	43.6020	0.0229	7.9868
14	0.1211	8.2608	6.2782	0.1593	51.8628	0.0193	8.7853
15	0.1041	9.6056	6.3992	0.1563	61.4684	0.0163	9.6002
16	0.0895	11.1693	6.5033	0.1538	72.6376	0.0138	10.4305
17	0.0770	12.9875	6.5929	0.1517	85.6252	0.0117	11.2753
18	0.0662	15.1018	6.6699	0.1499	100.7269	0.0099	12.1336
19	0.0569	17.5602	6.7361	0.1485	118.2871	0.0085	13.0045
20	0.0490	20.4188	6.7930	0.1472	138.7060	0.0072	13.8871
21	0.0421	23.7428	6.8420	0.1462	162.4488	0.0062	14.7805
22	0.0362	27.6079	6.8841	0.1453	190.0567	0.0053	15.6840
23	0.0312	32.1023	6.9204	0.1445	222.1590	0.0045	16.5966
24	0.0268	37.3282	6.9515	0.1439	259.4872	0.0039	17.5178
25	0.0230	43.4049	6.9783	0.1433	302.8921	0.0033	18.4467
26	0.0198	50.4708	7.0013	0.1428	353.3629	0.0028	19.3827
27	0.0170	58.6870	7.0211	0.1424	412.0499	0.0024	20.3252
28	0.0147	68.2407	7.0382	0.1421	480.2906	0.0021	21.2736
29	0.0126	79.3496	7.0528	0.1418	559.6402	0.0018	22.2273
30	0.0108	92.2670	7.0654	0.1415	651.9072	0.0015	23.1858
31	0.0093	107.2872	7.0763	0.1413	759.1945	0.0013	24.1488
32	0.0080	124.7526	7.0856	0.1411	883.9470	0.0011	25.1157
33	0.0069	145.0611	7.0936	0.1410	1029.0082	0.0010	26.0862
34	0.0059	168.6758	7.1005	0.1408	1197.6840	0.0008	27.0599
35	0.0051	196.1346	7.1064	0.1407	1393.8185	0.0007	28.0365
40	0.0024	416.9289	7.1257	0.1403	2970.9204	0.0003	32.9533
45	0.0011	886.2774	7.1348	0.1402	6323.4103	0.0002	37.9080
50	0.0005	1883.9850	7.1391	0.1401	13449.8928	0.0001	42.8837
55	0.0002	4004.8401	7.1411	0.1400	28598.8579	0.0000	47.8709
60	0.0001	8513.2017	7.1420	0.1400	60801.4410	0.0000	52.8642
65	0.0001	18096.7534	7.1425	0.1400	129255.3817	0.0000	57.8607
70	0.0000	38468.7800	7.1427	0.1400	274769.8569	0.0000	62.8590
75	0.0000	81774.1723	7.1428	0.1400	584094.0875	0.0000	67.8581
80	0.0000	173829.6679	7.1428	0.1400	1241633.3423	0.0000	72.8576
85	0.0000	369514.6355	7.1428	0.1400	2639383.1105	0.0000	77.8574
90	0.0000	785487.6987	7.1428	0.1400	5610619.2766	0.0000	82.8573
95	0.0000	1669733.3897	7.1429	0.1400	11926659.9267	0.0000	87.8572
100	0.0000	3549399.4334	7.1429	0.1400	25352845.9531	0.0000	92.8572

n	Single Payment		Equal Payment Series				Uniform
	Compound-amount Factor	Present-worth Factor	Compound-amount Factor	Sinking-fund Factor	Present-worth Factor	Capital-recovery Factor	Gradient-Series Factor
	to find F given P F/P, i, n	to find P given F P/F, i, n	to find F given A F/A, i, n	to find A given F A/F, i, n	to find P given A P/A, i, n	to find A given P A/P, i, n	to find A given G A/G, i, n
1	0.8500	1.1765	1.0000	1.0000	1.1765	0.8500	0.0000
2	0.7225	1.3841	1.8500	0.5405	2.5606	0.3905	0.5405
3	0.6141	1.6283	2.5725	0.3887	4.1889	0.2387	1.1079
4	0.5220	1.9157	3.1866	0.3138	6.1046	0.1638	1.7016
5	0.4437	2.2537	3.7086	0.2696	8.3583	0.1196	2.3214
6	0.3771	2.6515	4.1523	0.2408	11.0098	0.0908	2.9665
7	0.3206	3.1194	4.5295	0.2208	14.1292	0.0708	3.6362
8	0.2725	3.6699	4.8501	0.2062	17.7990	0.0562	4.3298
9	0.2316	4.3175	5.1226	0.1952	22.1165	0.0452	5.0462
10	0.1969	5.0794	5.3542	0.1868	27.1959	0.0368	5.7847
11	0.1673	5.9757	5.5510	0.1801	33.1716	0.0301	6.5441
12	0.1422	7.0303	5.7184	0.1749	40.2019	0.0249	7.3233
13	0.1209	8.2709	5.8606	0.1706	48.4728	0.0206	8.1213
14	0.1028	9.7305	5.9815	0.1672	58.2033	0.0172	8.9369
15	0.0874	11.4476	6.0843	0.1644	69.6510	0.0144	9.7691
16	0.0743	13.4678	6.1717	0.1620	83.1188	0.0120	10.6166
17	0.0631	15.8445	6.2459	0.1601	98.9633	0.0101	11.4785
18	0.0536	18.6406	6.3090	0.1585	117.6038	0.0085	12.3537
19	0.0456	21.9301	6.3627	0.1572	139.5339	0.0072	13.2411
20	0.0388	25.8001	6.4083	0.1560	165.3340	0.0060	14.1398
21	0.0329	30.3531	6.4470	0.1551	195.6871	0.0051	15.0488
22	0.0280	35.7095	6.4800	0.1543	231.3966	0.0043	15.9672
23	0.0238	42.0112	6.5080	0.1537	273.4078	0.0037	16.8942
24	0.0202	49.4249	6.5318	0.1531	322.8327	0.0031	17.8289
25	0.0172	58.1469	6.5520	0.1526	380.9796	0.0026	18.7708
26	0.0146	68.4082	6.5692	0.1522	449.3878	0.0022	19.7190
27	0.0124	80.4802	6.5838	0.1519	529.8679	0.0019	20.6730
28	0.0106	94.6826	6.5963	0.1516	624.5505	0.0016	21.6322
29	0.0090	111.3913	6.6068	0.1514	735.9418	0.0014	22.5960
30	0.0076	131.0486	6.6158	0.1512	866.9904	0.0012	23.5640
31	0.0065	154.1748	6.6234	0.1510	1021.1651	0.0010	24.5357
32	0.0055	181.3821	6.6299	0.1508	1202.5472	0.0008	25.5107
33	0.0047	213.3907	6.6354	0.1507	1415.9379	0.0007	26.4887
34	0.0040	251.0479	6.6401	0.1506	1666.9857	0.0006	27.4693
35	0.0034	295.3504	6.6441	0.1505	1962.3362	0.0005	28.4522
40	0.0015	665.6455	6.6567	0.1502	4430.9697	0.0002	33.3935
45	0.0007	1500.1972	6.6622	0.1501	9994.6478	0.0001	38.3633
50	0.0003	3381.0665	6.6647	0.1500	22533.7767	0.0000	43.3481
55	0.0001	7620.0722	6.6658	0.1500	50793.8146	0.0000	48.3406
60	0.0001	17173.7231	6.6663	0.1500	114484.8209	0.0000	53.3368
65	0.0000	38705.2457	6.6665	0.1500	258028.3046	0.0000	58.3350
70	0.0000	87231.8735	6.6666	0.1500	581539.1566	0.0000	63.3341
75	0.0000	196598.6682	6.6666	0.1500	1310651.1211	0.0000	68.3337
80	0.0000	443083.8726	6.6667	0.1500	2953885.8175	0.0000	73.3335
85	0.0000	998599.4311	6.6667	0.1500	6657322.8737	0.0000	78.3334
90	0.0000	2250591.5591	6.6667	0.1500	15003937.0610	0.0000	83.3334
95	0.0000	5072266.4249	6.6667	0.1500	33815102.8327	0.0000	88.3334
100	0.0000	11431610.7606	6.6667	0.1500	76210731.7372	0.0000	93.3333

n	Single Payment		Equal Payment Series				Uniform Gradient-Series Factor
	Compound-amount Factor	Present-worth Factor	Compound-amount Factor	Sinking-fund Factor	Present-worth Factor	Capital-recovery Factor	
	to find F given P F/P, i, n	to find P given F P/F, i, n	to find F given A F/A, i, n	to find A given F A/F, i, n	to find P given A P/A, i, n	to find A given P A/P, i, n	to find A given G A/G, i, n
1	0.8400	1.1905	1.0000	1.0000	1.1905	0.8400	0.0000
2	0.7056	1.4172	1.8400	0.5435	2.6077	0.3835	0.5435
3	0.5927	1.6872	2.5456	0.3928	4.2949	0.2328	1.1157
4	0.4979	2.0086	3.1383	0.3186	6.3034	0.1586	1.7161
5	0.4182	2.3911	3.6362	0.2750	8.6946	0.1150	2.3442
6	0.3513	2.8466	4.0544	0.2466	11.5412	0.0866	2.9992
7	0.2951	3.3888	4.4057	0.2270	14.9300	0.0670	3.6804
8	0.2479	4.0343	4.7008	0.2127	18.9642	0.0527	4.3865
9	0.2082	4.8027	4.9487	0.2021	23.7669	0.0421	5.1167
10	0.1749	5.7175	5.1569	0.1939	29.4845	0.0339	5.8698
11	0.1469	6.8066	5.3318	0.1876	36.2910	0.0276	6.6444
12	0.1234	8.1031	5.4787	0.1825	44.3941	0.0225	7.4394
13	0.1037	9.6465	5.6021	0.1785	54.0406	0.0185	8.2535
14	0.0871	11.4839	5.7058	0.1753	65.5245	0.0153	9.0854
15	0.0731	13.6713	5.7928	0.1726	79.1958	0.0126	9.9338
16	0.0614	16.2754	5.8660	0.1705	95.4712	0.0105	10.7974
17	0.0516	19.3755	5.9274	0.1687	114.8467	0.0087	11.6751
18	0.0434	23.0660	5.9790	0.1673	137.9127	0.0073	12.5657
19	0.0364	27.4596	6.0224	0.1660	165.3722	0.0060	13.4681
20	0.0306	32.6900	6.0588	0.1650	198.0622	0.0050	14.3811
21	0.0257	38.9166	6.0894	0.1642	236.9788	0.0042	15.3038
22	0.0216	46.3293	6.1151	0.1635	283.3081	0.0035	16.2353
23	0.0181	55.1539	6.1367	0.1630	338.4620	0.0030	17.1747
24	0.0152	65.6594	6.1548	0.1625	404.1215	0.0025	18.1212
25	0.0128	78.1660	6.1700	0.1621	482.2875	0.0021	19.0740
26	0.0107	93.0548	6.1828	0.1617	575.3422	0.0017	20.0324
27	0.0090	110.7795	6.1936	0.1615	686.1217	0.0015	20.9959
28	0.0076	131.8803	6.2026	0.1612	818.0020	0.0012	21.9639
29	0.0064	157.0004	6.2102	0.1610	975.0024	0.0010	22.9359
30	0.0054	186.9052	6.2166	0.1609	1161.9076	0.0009	23.9114
31	0.0045	222.5062	6.2219	0.1607	1384.4138	0.0007	24.8900
32	0.0038	264.8883	6.2264	0.1606	1649.3021	0.0006	25.8713
33	0.0032	315.3433	6.2302	0.1605	1964.6454	0.0005	26.8550
34	0.0027	375.4086	6.2334	0.1604	2340.0541	0.0004	27.8408
35	0.0022	446.9151	6.2360	0.1604	2786.9691	0.0004	28.8285
40	0.0009	1068.6329	6.2442	0.1601	6672.7059	0.0001	33.7875
45	0.0004	2555.2425	6.2476	0.1601	15964.0158	0.0001	38.7676
50	0.0002	6109.9224	6.2490	0.1600	38180.7652	0.0000	43.7582
55	0.0001	14609.6317	6.2496	0.1600	91303.9479	0.0000	48.7538
60	0.0000	34933.5592	6.2498	0.1600	218328.4952	0.0000	53.7517
65	0.0000	83530.7548	6.2499	0.1600	522060.9677	0.0000	58.7508
70	0.0000	199733.0692	6.2500	0.1600	1248325.4326	0.0000	63.7504
75	0.0000	477588.1532	6.2500	0.1600	2984919.7074	0.0000	68.7502
80	0.0000	1141976.3636	6.2500	0.1600	7137346.0223	0.0000	73.7501
85	0.0000	2730616.3402	6.2500	0.1600	17066345.8760	0.0000	78.7500
90	0.0000	6529264.3832	6.2500	0.1600	40807896.1453	0.0000	83.7500
95	0.0000	15612333.6550	6.2500	0.1600	97577079.0936	0.0000	88.7500
100	0.0000	37331152.1555	6.2500	0.1600	233319694.7218	0.0000	93.7500

n	Single Payment		Equal Payment Series				Uniform Gradient-Series Factor
	Compound-amount Factor	Present-worth Factor	Compound-amount Factor	Sinking-fund Factor	Present-worth Factor	Capital-recovery Factor	
	to find F given P F/P, i, n	to find P given F P/F, i, n	to find F given A F/A, i, n	to find A given F A/F, i, n	to find P given A P/A, i, n	to find A given P A/P, i, n	to find A given G A/G, i, n
1	0.8300	1.2048	1.0000	1.0000	1.2048	0.8300	0.0000
2	0.6889	1.4516	1.8300	0.5464	2.6564	0.3764	0.5464
3	0.5718	1.7489	2.5189	0.3970	4.4053	0.2270	1.1235
4	0.4746	2.1071	3.0907	0.3236	6.5124	0.1536	1.7307
5	0.3939	2.5387	3.5653	0.2805	9.0511	0.1105	2.3672
6	0.3269	3.0587	3.9592	0.2526	12.1098	0.0826	3.0322
7	0.2714	3.6851	4.2861	0.2333	15.7949	0.0633	3.7246
8	0.2252	4.4399	4.5575	0.2194	20.2348	0.0494	4.4433
9	0.1869	5.3493	4.7827	0.2091	25.5841	0.0391	5.1869
10	0.1552	6.4449	4.9696	0.2012	32.0291	0.0312	5.9542
11	0.1288	7.7650	5.1248	0.1951	39.7941	0.0251	6.7437
12	0.1069	9.3554	5.2536	0.1903	49.1495	0.0203	7.5538
13	0.0887	11.2716	5.3605	0.1866	60.4211	0.0166	8.3833
14	0.0736	13.5802	5.4492	0.1835	74.0013	0.0135	9.2305
15	0.0611	16.3617	5.5228	0.1811	90.3630	0.0111	10.0941
16	0.0507	19.7129	5.5840	0.1791	110.0759	0.0091	10.9727
17	0.0421	23.7505	5.6347	0.1775	133.8264	0.0075	11.8649
18	0.0349	28.6150	5.6768	0.1762	162.4414	0.0062	12.7695
19	0.0290	34.4760	5.7117	0.1751	196.9174	0.0051	13.6852
20	0.0241	41.5373	5.7407	0.1742	238.4546	0.0042	14.6110
21	0.0200	50.0449	5.7648	0.1735	288.4996	0.0035	15.5458
22	0.0166	60.2951	5.7848	0.1729	348.7947	0.0029	16.4887
23	0.0138	72.6447	5.8014	0.1724	421.4394	0.0024	17.4387
24	0.0114	87.5237	5.8151	0.1720	508.9631	0.0020	18.3950
25	0.0095	105.4503	5.8266	0.1716	614.4133	0.0016	19.3570
26	0.0079	127.0485	5.8361	0.1713	741.4619	0.0013	20.3239
27	0.0065	153.0705	5.8439	0.1711	894.5324	0.0011	21.2952
28	0.0054	184.4223	5.8505	0.1709	1078.9547	0.0009	22.2703
29	0.0045	222.1955	5.8559	0.1708	1301.1502	0.0008	23.2488
30	0.0037	267.7055	5.8604	0.1706	1568.8556	0.0006	24.2301
31	0.0031	322.5367	5.8641	0.1705	1891.3923	0.0005	25.2141
32	0.0026	388.5984	5.8672	0.1704	2279.9908	0.0004	26.2002
33	0.0021	468.1909	5.8698	0.1704	2748.1817	0.0004	27.1883
34	0.0018	564.0854	5.8719	0.1703	3312.2671	0.0003	28.1780
35	0.0015	679.6210	5.8737	0.1703	3991.8880	0.0003	29.1692
40	0.0006	1725.3464	5.8789	0.1701	10143.2142	0.0001	34.1408
45	0.0002	4380.1183	5.8810	0.1700	25759.5196	0.0000	39.1279
50	0.0001	11119.7592	5.8818	0.1700	65404.4657	0.0000	44.1221
55	0.0000	28229.6127	5.8821	0.1700	166050.6627	0.0000	49.1196
60	0.0000	71666.2132	5.8823	0.1700	421560.0779	0.0000	54.1185
65	0.0000	181938.2427	5.8823	0.1700	1070219.0745	0.0000	59.1180
70	0.0000	461884.6545	5.8823	0.1700	2716962.6738	0.0000	64.1178
75	0.0000	1172581.5913	5.8823	0.1700	6897532.8901	0.0000	69.1177
80	0.0000	2976820.2402	5.8824	0.1700	17510701.4132	0.0000	74.1177
85	0.0000	7557221.4405	5.8824	0.1700	44454237.8855	0.0000	79.1177
90	0.0000	19185436.5706	5.8824	0.1700	112855503.3565	0.0000	84.1177
95	0.0000	48705860.9174	5.8824	0.1700	286505058.3377	0.0000	89.1176
100	0.0000	123649043.8452	5.8824	0.1700	727347310.8539	0.0000	94.1176

n	Single Payment		Equal Payment Series				Uniform Gradient-Series Factor to find A given G A/G, i, n
	Compound-amount Factor to find F given P F/P, i, n	Present-worth Factor to find P given F P/F, i, n	Compound-amount Factor to find F given A F/A, i, n	Sinking-fund Factor to find A given F A/F, i, n	Present-worth Factor to find P given A P/A, i, n	Capital-recovery Factor to find A given P A/P, i, n	
	1	0.8200	1.2195	1.0000	1.0000	1.2195	
2	0.6724	1.4872	1.8200	0.5495	2.7067	0.3695	0.5495
3	0.5514	1.8137	2.4924	0.4012	4.5204	0.2212	1.1314
4	0.4521	2.2118	3.0438	0.3285	6.7322	0.1485	1.7453
5	0.3707	2.6973	3.4959	0.2861	9.4295	0.1061	2.3903
6	0.3040	3.2894	3.8666	0.2586	12.7189	0.0786	3.0652
7	0.2493	4.0115	4.1706	0.2398	16.7304	0.0598	3.7689
8	0.2044	4.8920	4.4199	0.2262	21.6224	0.0462	4.4999
9	0.1676	5.9659	4.6243	0.2162	27.5883	0.0362	5.2568
10	0.1374	7.2755	4.7920	0.2087	34.8638	0.0287	6.0379
11	0.1127	8.8725	4.9294	0.2029	43.7363	0.0229	6.8417
12	0.0924	10.8202	5.0421	0.1983	54.5565	0.0183	7.6664
13	0.0758	13.1953	5.1345	0.1948	67.7518	0.0148	8.5104
14	0.0621	16.0919	5.2103	0.1919	83.8436	0.0119	9.3721
15	0.0510	19.6242	5.2725	0.1897	103.4678	0.0097	10.2498
16	0.0418	23.9320	5.3234	0.1878	127.3998	0.0078	11.1422
17	0.0343	29.1853	5.3652	0.1864	156.5851	0.0064	12.0476
18	0.0281	35.5919	5.3995	0.1852	192.1770	0.0052	12.9648
19	0.0230	43.4047	5.4276	0.1842	235.5817	0.0042	13.8925
20	0.0189	52.9326	5.4506	0.1835	288.5143	0.0035	14.8296
21	0.0155	64.5519	5.4695	0.1828	353.0662	0.0028	15.7749
22	0.0127	78.7218	5.4850	0.1823	431.7880	0.0023	16.7275
23	0.0104	96.0022	5.4977	0.1819	527.7903	0.0019	17.6865
24	0.0085	117.0759	5.5081	0.1816	644.8662	0.0016	18.6512
25	0.0070	142.7755	5.5166	0.1813	787.6417	0.0013	19.6208
26	0.0057	174.1165	5.5236	0.1810	961.7581	0.0010	20.5946
27	0.0047	212.3372	5.5294	0.1809	1174.0953	0.0009	21.5722
28	0.0039	258.9477	5.5341	0.1807	1433.0430	0.0007	22.5530
29	0.0032	315.7899	5.5380	0.1806	1748.8330	0.0006	23.5366
30	0.0026	385.1097	5.5411	0.1805	2133.9426	0.0005	24.5225
31	0.0021	469.6459	5.5437	0.1804	2603.5886	0.0004	25.5106
32	0.0017	572.7390	5.5459	0.1803	3176.3275	0.0003	26.5004
33	0.0014	698.4621	5.5476	0.1803	3874.7897	0.0003	27.4918
34	0.0012	851.7831	5.5490	0.1802	4726.5728	0.0002	28.4844
35	0.0010	1038.7599	5.5502	0.1802	5765.3327	0.0002	29.4782
40	0.0004	2801.8566	5.5536	0.1801	15560.3145	0.0001	34.4587
45	0.0001	7557.4737	5.5548	0.1800	41980.4093	0.0000	39.4504
50	0.0000	20384.8435	5.5553	0.1800	113243.5748	0.0000	44.4469
55	0.0000	54984.2264	5.5555	0.1800	305462.3687	0.0000	49.4454
60	0.0000	148309.4611	5.5555	0.1800	823935.8953	0.0000	54.4448
65	0.0000	400036.4780	5.5555	0.1800	2222419.3225	0.0000	59.4446
70	0.0000	1079022.0835	5.5556	0.1800	5994561.5750	0.0000	64.4445
75	0.0000	2910456.2223	5.5556	0.1800	16169195.6795	0.0000	69.4445
80	0.0000	7850400.4242	5.5556	0.1800	43613330.1343	0.0000	74.4445
85	0.0000	21174957.5023	5.5556	0.1800	117638647.2351	0.0000	79.4444
90	0.0000	57115408.2592	5.5556	0.1800	317307818.1067	0.0000	84.4444
95	0.0000	154057917.7199	5.5556	0.1800	855877315.1108	0.0000	89.4444
100	0.0000	415541843.0083	5.5556	0.1800	2308565788.9350	0.0000	94.4444

n	Single Payment		Equal Payment Series				Uniform Gradient-Series Factor to find A given G A/G, i, n
	Compound-amount Factor to find F given P F/P, i, n	Present-worth Factor to find P given F P/F, i, n	Compound-amount Factor to find F given A F/A, i, n	Sinking-fund Factor to find A given F A/F, i, n	Present-worth Factor to find P given A P/A, i, n	Capital-recovery Factor to find A given P A/P, i, n	
	1	0.8100	1.2346	1.0000	1.0000	1.2346	
2	0.6561	1.5242	1.8100	0.5525	2.7587	0.3625	0.5525
3	0.5314	1.8817	2.4661	0.4055	4.6404	0.2155	1.1395
4	0.4305	2.3231	2.9975	0.3336	6.9635	0.1436	1.7601
5	0.3487	2.8680	3.4280	0.2917	9.8314	0.1017	2.4135
6	0.2824	3.5407	3.7767	0.2648	13.3721	0.0748	3.0984
7	0.2288	4.3712	4.0591	0.2464	17.7434	0.0564	3.8132
8	0.1853	5.3966	4.2879	0.2332	23.1400	0.0432	4.5564
9	0.1501	6.6625	4.4732	0.2236	29.8024	0.0336	5.3263
10	0.1216	8.2253	4.6233	0.2163	38.0277	0.0263	6.1209
11	0.0985	10.1546	4.7449	0.2108	48.1823	0.0208	6.9384
12	0.0798	12.5366	4.8433	0.2065	60.7189	0.0165	7.7770
13	0.0646	15.4773	4.9231	0.2031	76.1962	0.0131	8.6348
14	0.0523	19.1078	4.9877	0.2005	95.3040	0.0105	9.5100
15	0.0424	23.5898	5.0400	0.1984	118.8938	0.0084	10.4009
16	0.0343	29.1232	5.0824	0.1968	148.0171	0.0068	11.3058
17	0.0278	35.9546	5.1168	0.1954	183.9717	0.0054	12.2232
18	0.0225	44.3884	5.1446	0.1944	228.3601	0.0044	13.1517
19	0.0182	54.8005	5.1671	0.1935	283.1606	0.0035	14.0900
20	0.0148	67.6550	5.1854	0.1929	350.8156	0.0029	15.0369
21	0.0120	83.5246	5.2001	0.1923	434.3402	0.0023	15.9913
22	0.0097	103.1168	5.2121	0.1919	537.4570	0.0019	16.9523
23	0.0079	127.3047	5.2218	0.1915	664.7618	0.0015	17.9189
24	0.0064	157.1663	5.2297	0.1912	821.9281	0.0012	18.8905
25	0.0052	194.0325	5.2360	0.1910	1015.9606	0.0010	19.8664
26	0.0042	239.5463	5.2412	0.1908	1255.5070	0.0008	20.8458
27	0.0034	295.7362	5.2454	0.1906	1551.2432	0.0006	21.8284
28	0.0027	365.1064	5.2487	0.1905	1916.3496	0.0005	22.8137
29	0.0022	450.7487	5.2515	0.1904	2367.0983	0.0004	23.8013
30	0.0018	556.4798	5.2537	0.1903	2923.5781	0.0003	24.7908
31	0.0015	687.0121	5.2555	0.1903	3610.5902	0.0003	25.7820
32	0.0012	848.1631	5.2570	0.1902	4458.7534	0.0002	26.7746
33	0.0010	1047.1150	5.2581	0.1902	5505.8684	0.0002	27.7684
34	0.0008	1292.7346	5.2591	0.1901	6798.6029	0.0001	28.7632
35	0.0006	1595.9686	5.2599	0.1901	8394.5715	0.0001	29.7588
40	0.0002	4577.1932	5.2620	0.1900	24085.2274	0.0000	34.7456
45	0.0001	13127.2619	5.2628	0.1900	69085.5890	0.0000	39.7403
50	0.0000	37648.6195	5.2630	0.1900	198145.3658	0.0000	44.7382
55	0.0000	107975	5.2631	0.1900	568285	0.0000	49.7374
60	0.0000	309670	5.2631	0.1900	1629836	0.0000	54.7370
65	0.0000	888124	5.2632	0.1900	4674333	0.0000	59.7369
70	0.0000	2547116	5.2632	0.1900	13405867	0.0000	64.7369
75	0.0000	7305057	5.2632	0.1900	38447661	0.0000	69.7369
80	0.0000	20950698	5.2632	0.1900	110266825	0.0000	74.7368
85	0.0000	60086014	5.2632	0.1900	316242174	0.0000	79.7368
90	0.0000	172325005	5.2632	0.1900	906973708	0.0000	84.7368
95	0.0000	494223289	5.2632	0.1900	2601175200	0.0000	89.7368
100	0.0000	1417418550	5.2632	0.1900	7460097626	0.0000	94.7368

n	Single Payment		Equal Payment Series				Uniform Gradient-Series Factor to find A given G A/G, i, n
	Compound-amount Factor	Present-worth Factor	Compound-amount Factor	Sinking-fund Factor	Present-worth Factor	Capital-recovery Factor	
	to find F given P F/P, i, n	to find P given F P/F, i, n	to find F given A F/A, i, n	to find A given F A/F, i, n	to find P given A P/A, i, n	to find A given P A/P, i, n	
1	0.8000	1.2500	1.0000	1.0000	1.2500	0.8000	0.0000
2	0.6400	1.5625	1.8000	0.5556	2.8125	0.3556	0.5556
3	0.5120	1.9531	2.4400	0.4098	4.7656	0.2098	1.1475
4	0.4096	2.4414	2.9520	0.3388	7.2070	0.1388	1.7751
5	0.3277	3.0518	3.3616	0.2975	10.2588	0.0975	2.4369
6	0.2621	3.8147	3.6893	0.2711	14.0735	0.0711	3.1317
7	0.2097	4.7684	3.9514	0.2531	18.8419	0.0531	3.8576
8	0.1678	5.9605	4.1611	0.2403	24.8023	0.0403	4.6128
9	0.1342	7.4506	4.3289	0.2310	32.2529	0.0310	5.3952
10	0.1074	9.3132	4.4631	0.2241	41.5661	0.0241	6.2029
11	0.0859	11.6415	4.5705	0.2188	53.2077	0.0188	7.0337
12	0.0687	14.5519	4.6564	0.2148	67.7596	0.0148	7.8855
13	0.0550	18.1899	4.7251	0.2116	85.9495	0.0116	8.7563
14	0.0440	22.7374	4.7801	0.2092	108.6868	0.0092	9.6441
15	0.0352	28.4217	4.8241	0.2073	137.1085	0.0073	10.5470
16	0.0281	35.5271	4.8593	0.2058	172.6357	0.0058	11.4634
17	0.0225	44.4089	4.8874	0.2046	217.0446	0.0046	12.3916
18	0.0180	55.5112	4.9099	0.2037	272.5558	0.0037	13.3302
19	0.0144	69.3889	4.9279	0.2029	341.9447	0.0029	14.2778
20	0.0115	86.7362	4.9424	0.2023	428.6809	0.0023	15.2333
21	0.0092	108.4202	4.9539	0.2019	537.1011	0.0019	16.1955
22	0.0074	135.5253	4.9631	0.2015	672.6264	0.0015	17.1635
23	0.0059	169.4066	4.9705	0.2012	842.0329	0.0012	18.1366
24	0.0047	211.7582	4.9764	0.2009	1053.7912	0.0009	19.1139
25	0.0038	264.6978	4.9811	0.2008	1318.4890	0.0008	20.0948
26	0.0030	330.8722	4.9849	0.2006	1649.3612	0.0006	21.0788
27	0.0024	413.5903	4.9879	0.2005	2062.9515	0.0005	22.0654
28	0.0019	516.9879	4.9903	0.2004	2579.9394	0.0004	23.0543
29	0.0015	646.2349	4.9923	0.2003	3226.1743	0.0003	24.0449
30	0.0012	807.7936	4.9938	0.2002	4033.9678	0.0002	25.0372
31	0.0010	1009.7420	4.9950	0.2002	5043.7098	0.0002	26.0307
32	0.0008	1262.1774	4.9960	0.2002	6305.8872	0.0002	27.0254
33	0.0006	1577.7218	4.9968	0.2001	7883.6091	0.0001	28.0209
34	0.0005	1972.1523	4.9975	0.2001	9855.7613	0.0001	29.0172
35	0.0004	2465.1903	4.9980	0.2001	12320.9516	0.0001	30.0142
40	0.0001	7523.1638	4.9993	0.2000	37610.8192	0.0000	35.0053
45	0.0000	22958.8740	4.9998	0.2000	114789.3702	0.0000	40.0020
50	0.0000	70064.9232	4.9999	0.2000	350319.6161	0.0000	45.0007
55	0.0000	213821	5.0000	0.2000	1069101	0.0000	50.0003
60	0.0000	652530	5.0000	0.2000	3262647	0.0000	55.0001
65	0.0000	1991365	5.0000	0.2000	9956819	0.0000	60.0000
70	0.0000	6077163	5.0000	0.2000	30385812	0.0000	65.0000
75	0.0000	18546031	5.0000	0.2000	92730149	0.0000	70.0000
80	0.0000	56597994	5.0000	0.2000	282989966	0.0000	75.0000
85	0.0000	172723371	5.0000	0.2000	863616851	0.0000	80.0000
90	0.0000	527109897	5.0000	0.2000	2635549481	0.0000	85.0000
95	0.0000	1608611747	5.0000	0.2000	8043058729	0.0000	90.0000
100	0.0000	4909093465	5.0000	0.2000	24545467321	0.0000	95.0000

n	Single Payment		Equal Payment Series				Uniform Gradient-Series Factor to find A given G A/G, i, n
	Compound-amount Factor to find F given P F/P, i, n	Present-worth Factor to find P given F P/F, i, n	Compound-amount Factor to find F given A F/A, i, n	Sinking-fund Factor to find A given F A/F, i, n	Present-worth Factor to find P given A P/A, i, n	Capital-recovery Factor to find A given P A/P, i, n	
	1	0.7500	1.3333	1.0000	1.0000	1.3333	
2	0.5625	1.7778	1.7500	0.5714	3.1111	0.3214	0.5714
3	0.4219	2.3704	2.3125	0.4324	5.4815	0.1824	1.1892
4	0.3164	3.1605	2.7344	0.3657	8.6420	0.1157	1.8514
5	0.2373	4.2140	3.0508	0.3278	12.8560	0.0778	2.5557
6	0.1780	5.6187	3.2881	0.3041	18.4746	0.0541	3.2991
7	0.1335	7.4915	3.4661	0.2885	25.9662	0.0385	4.0783
8	0.1001	9.9887	3.5995	0.2778	35.9549	0.0278	4.8900
9	0.0751	13.3183	3.6997	0.2703	49.2732	0.0203	5.7306
10	0.0563	17.7577	3.7747	0.2649	67.0309	0.0149	6.5967
11	0.0422	23.6770	3.8311	0.2610	90.7079	0.0110	7.4851
12	0.0317	31.5693	3.8733	0.2582	122.2772	0.0082	8.3926
13	0.0238	42.0924	3.9050	0.2561	164.3696	0.0061	9.3164
14	0.0178	56.1232	3.9287	0.2545	220.4927	0.0045	10.2540
15	0.0134	74.8309	3.9465	0.2534	295.3237	0.0034	11.2032
16	0.0100	99.7746	3.9599	0.2525	395.0982	0.0025	12.1620
17	0.0075	133.0327	3.9699	0.2519	528.1309	0.0019	13.1288
18	0.0056	177.3770	3.9774	0.2514	705.5079	0.0014	14.1021
19	0.0042	236.5026	3.9831	0.2511	942.0106	0.0011	15.0807
20	0.0032	315.3369	3.9873	0.2508	1257.3474	0.0008	16.0636
21	0.0024	420.4491	3.9905	0.2506	1677.7966	0.0006	17.0501
22	0.0018	560.5989	3.9929	0.2504	2238.3954	0.0004	18.0393
23	0.0013	747.4651	3.9946	0.2503	2985.8606	0.0003	19.0308
24	0.0010	996.6202	3.9960	0.2503	3982.4807	0.0003	20.0241
25	0.0008	1328.8269	3.9970	0.2502	5311.3076	0.0002	21.0188
26	0.0006	1771.7692	3.9977	0.2501	7083.0769	0.0001	22.0147
27	0.0004	2362.3590	3.9983	0.2501	9445.4358	0.0001	23.0114
28	0.0003	3149.8119	3.9987	0.2501	12595.2478	0.0001	24.0089
29	0.0002	4199.7493	3.9990	0.2501	16794.9970	0.0001	25.0069
30	0.0002	5599.6657	3.9993	0.2500	22394.6627	0.0000	26.0054
31	0.0001	7466.2209	3.9995	0.2500	29860.8836	0.0000	27.0042
32	0.0001	9954.9612	3.9996	0.2500	39815.8448	0.0000	28.0032
33	0.0001	13273.2816	3.9997	0.2500	53089.1264	0.0000	29.0025
34	0.0001	17697.7088	3.9998	0.2500	70786.8352	0.0000	30.0019
35	0.0000	23596.9451	3.9998	0.2500	94383.7802	0.0000	31.0015
40	0.0000	99437.3322	4.0000	0.2500	397745.3290	0.0000	36.0004
45	0.0000	419028.0997	4.0000	0.2500	1676108.3987	0.0000	41.0001
50	0.0000	1765780.9633	4.0000	0.2500	7063119.8530	0.0000	46.0000
55	0.0000	7440986	4.0000	0.2500	29763942	0.0000	51.0000
60	0.0000	31356256	4.0000	0.2500	125425019	0.0000	56.0000
65	0.0000	132135003	4.0000	0.2500	528540009	0.0000	61.0000
70	0.0000	556815816	4.0000	0.2500	2227263260	0.0000	66.0000
75	0.0000	2346417265	4.0000	0.2500	9385669058	0.0000	71.0000
80	0.0000	9887783045	4.0000	0.2500	39551132175	0.0000	76.0000
85	0.0000	41667036369	4.0000	0.2500	166668145473	0.0000	81.0000
90	0.0000	175584548321	4.0000	0.2500	702338193280	0.0000	86.0000
95	0.0000	739911841485	4.0000	0.2500	2959647365936	0.0000	91.0000
100	0.0000	3117982410208	4.0000	0.2500	12471929640828	0.0000	96.0000

n	Single Payment		Equal Payment Series				Uniform Gradient-Series Factor
	Compound-amount Factor	Present-worth Factor	Compound-amount Factor	Sinking-fund Factor	Present-worth Factor	Capital-recovery Factor	
	to find F given P F/P, i, n	to find P given F P/F, i, n	to find F given A F/A, i, n	to find A given F A/F, i, n	to find P given A P/A, i, n	to find A given P A/P, i, n	to find A given G A/G, i, n
1	0.7000	1.4286	1.0000	1.0000	1.4286	0.7000	0.0000
2	0.4900	2.0408	1.7000	0.5882	3.4694	0.2882	0.5882
3	0.3430	2.9155	2.1900	0.4566	6.3848	0.1566	1.2329
4	0.2401	4.1649	2.5330	0.3948	10.5498	0.0948	1.9305
5	0.1681	5.9499	2.7731	0.3606	16.4997	0.0606	2.6768
6	0.1176	8.4999	2.9412	0.3400	24.9995	0.0400	3.4667
7	0.0824	12.1427	3.0588	0.3269	37.1422	0.0269	4.2949
8	0.0576	17.3467	3.1412	0.3184	54.4888	0.0184	5.1561
9	0.0404	24.7809	3.1988	0.3126	79.2698	0.0126	6.0451
10	0.0282	35.4013	3.2392	0.3087	114.6711	0.0087	6.9574
11	0.0198	50.5733	3.2674	0.3061	165.2444	0.0061	7.8886
12	0.0138	72.2476	3.2872	0.3042	237.4921	0.0042	8.8351
13	0.0097	103.2109	3.3010	0.3029	340.7029	0.0029	9.7939
14	0.0068	147.4441	3.3107	0.3020	488.1470	0.0020	10.7623
15	0.0047	210.6344	3.3175	0.3014	698.7815	0.0014	11.7382
16	0.0033	300.9064	3.3223	0.3010	999.6878	0.0010	12.7200
17	0.0023	429.8662	3.3256	0.3007	1429.5541	0.0007	13.7063
18	0.0016	614.0946	3.3279	0.3005	2043.6487	0.0005	14.6960
19	0.0011	877.2780	3.3295	0.3003	2920.9267	0.0003	15.6883
20	0.0008	1253.2543	3.3307	0.3002	4174.1810	0.0002	16.6826
21	0.0006	1790.3633	3.3315	0.3002	5964.5442	0.0002	17.6784
22	0.0004	2557.6618	3.3320	0.3001	8522.2061	0.0001	18.6753
23	0.0003	3653.8026	3.3324	0.3001	12176.0086	0.0001	19.6730
24	0.0002	5219.7180	3.3327	0.3001	17395.7266	0.0001	20.6713
25	0.0001	7456.7400	3.3329	0.3000	24852.4666	0.0000	21.6700
26	0.0001	10652.4857	3.3330	0.3000	35504.9523	0.0000	22.6691
27	0.0001	15217.8367	3.3331	0.3000	50722.7890	0.0000	23.6684
28	0.0000	21739.7667	3.3332	0.3000	72462.5557	0.0000	24.6680
29	0.0000	31056.8096	3.3332	0.3000	103519.3653	0.0000	25.6676
30	0.0000	44366.8709	3.3333	0.3000	147886.2362	0.0000	26.6673
31	0.0000	63381.2441	3.3333	0.3000	211267.4803	0.0000	27.6672
32	0.0000	90544.6344	3.3333	0.3000	301812.1147	0.0000	28.6670
33	0.0000	129349.4777	3.3333	0.3000	431161.5924	0.0000	29.6669
34	0.0000	184784.9682	3.3333	0.3000	615946.5606	0.0000	30.6669
35	0.0000	263978.5260	3.3333	0.3000	879925.0866	0.0000	31.6668
40	0.0000	1570646.3139	3.3333	0.3000	5235484.3798	0.0000	36.6667
45	0.0000	9345191.3723	3.3333	0.3000	31150634.5745	0.0000	41.6667
50	0.0000	55602971.2164	3.3333	0.3000	185343234.0546	0.0000	46.6667
55	0.0000	330832220	3.3333	0.3000	1102774063	0.0000	51.6667
60	0.0000	1968419230	3.3333	0.3000	6561397430	0.0000	56.6667
65	0.0000	11711901173	3.3333	0.3000	39039670573	0.0000	61.6667
70	0.0000	69684662181	3.3333	0.3000	232282207268	0.0000	66.6667
75	0.0000	414616898801	3.3333	0.3000	1382056329332	0.0000	71.6667
80	0.0000	2466929843521	3.3333	0.3000	8223099478400	0.0000	76.6667
85	0.0000	14677990382109	3.3333	0.3000	48926634607027	0.0000	81.6667
90	0.0000	87332601785620	3.3333	0.3000	291108672618731	0.0000	86.6667
95	0.0000	519620406887727	3.3333	0.3000	1732068022959090	0.0000	91.6667
100	0.0000	3091690408090240	3.3333	0.3000	10305634693634100	0.0000	96.6667

n	Single Payment		Equal Payment Series				Uniform
	Compound-amount Factor	Present-worth Factor	Compound-amount Factor	Sinking-fund Factor	Present-worth Factor	Capital-recovery Factor	Gradient-Series Factor
	to find F given P F/P, i, n	to find P given F P/F, i, n	to find F given A F/A, i, n	to find A given F A/F, i, n	to find P given A P/A, i, n	to find A given P A/P, i, n	to find A given G A/G, i, n
1	0.6000	1.6667	1.0000	1.0000	1.6667	0.6000	0.0000
2	0.3600	2.7778	1.6000	0.6250	4.4444	0.2250	0.6250
3	0.2160	4.6296	1.9600	0.5102	9.0741	0.1102	1.3265
4	0.1296	7.7160	2.1760	0.4596	16.7901	0.0596	2.0956
5	0.0778	12.8601	2.3056	0.4337	29.6502	0.0337	2.9216
6	0.0467	21.4335	2.3834	0.4196	51.0837	0.0196	3.7936
7	0.0280	35.7225	2.4300	0.4115	86.8061	0.0115	4.7016
8	0.0168	59.5374	2.4580	0.4068	146.3435	0.0068	5.6367
9	0.0101	99.2290	2.4748	0.4041	245.5726	0.0041	6.5916
10	0.0060	165.3817	2.4849	0.4024	410.9543	0.0024	7.5608
11	0.0036	275.6362	2.4909	0.4015	686.5905	0.0015	8.5401
12	0.0022	459.3937	2.4946	0.4009	1145.9841	0.0009	9.5262
13	0.0013	765.6561	2.4967	0.4005	1911.6402	0.0005	10.5170
14	0.0008	1276.0935	2.4980	0.4003	3187.7337	0.0003	11.5110
15	0.0005	2126.8225	2.4988	0.4002	5314.5562	0.0002	12.5071
16	0.0003	3544.7042	2.4993	0.4001	8859.2604	0.0001	13.5045
17	0.0002	5907.8403	2.4996	0.4001	14767.1006	0.0001	14.5029
18	0.0001	9846.4004	2.4997	0.4000	24613.5011	0.0000	15.5018
19	0.0001	16410.6674	2.4998	0.4000	41024.1684	0.0000	16.5012
20	0.0000	27351.1123	2.4999	0.4000	68375.2807	0.0000	17.5007
21	0.0000	45585.1871	2.4999	0.4000	113960.4678	0.0000	18.5005
22	0.0000	75975.3119	2.5000	0.4000	189935.7797	0.0000	19.5003
23	0.0000	126625.5198	2.5000	0.4000	316561.2995	0.0000	20.5002
24	0.0000	211042.5330	2.5000	0.4000	527603.8325	0.0000	21.5001
25	0.0000	351737.5550	2.5000	0.4000	879341.3875	0.0000	22.5001
26	0.0000	586229.2584	2.5000	0.4000	1465570.6459	0.0000	23.5000
27	0.0000	977048.7639	2.5000	0.4000	2442619.4098	0.0000	24.5000
28	0.0000	1628414.6065	2.5000	0.4000	4071034.0164	0.0000	25.5000
29	0.0000	2714024.3442	2.5000	0.4000	6785058.3606	0.0000	26.5000
30	0.0000	4523373.9071	2.5000	0.4000	11308432.2677	0.0000	27.5000
31	0.0000	7538956.5118	2.5000	0.4000	18847388.7795	0.0000	28.5000
32	0.0000	12564927.5197	2.5000	0.4000	31412316.2991	0.0000	29.5000
33	0.0000	20941545.8661	2.5000	0.4000	52353862.1652	0.0000	30.5000
34	0.0000	34902576.4435	2.5000	0.4000	87256438.6087	0.0000	31.5000
35	0.0000	58170960.7392	2.5000	0.4000	145427399.3479	0.0000	32.5000
40	0.0000	748083342.8390	2.5000	0.4000	1870208354.5975	0.0000	37.5000
45	0.0000	9620413359.5548	2.5000	0.4000	24051033396.3869	0.0000	42.5000
50	0.0000	123719307607.4430	2.5000	0.4000	309298269016.1070	0.0000	47.5000
55	0.0000	1591040478491	2.5000	0.4000	3977601196224	0.0000	52.5000
60	0.0000	20460911503225	2.5000	0.4000	51152278758060	0.0000	57.5000
65	0.0000	263129005957112	2.5000	0.4000	657822514892778	0.0000	62.5000
70	0.0000	3383860673316770	2.5000	0.4000	8459651683291930	0.0000	67.5000
75	0.0000	43516726765905000	2.5000	0.4000	108791816914763000	0.0000	72.5000
80	0.0000	559628687833141000	2.5000	0.4000	1399071719582850000	0.0000	77.5000
85	0.0000	7196870985508500000	2.5000	0.4000	17992177463771200000	0.0000	82.5000
90	0.0000	92552353208699800000	2.5000	0.4000	231380883021749000000	0.0000	87.5000
95	0.0000	1190230879741510000000	2.5000	0.4000	2975577199353770000000	0.0000	92.5000
100	0.0000	15306467074865100000000	2.5000	0.4000	38266167687162700000000	0.0000	97.5000

i -50 % INTEREST FACTORS FOR DISCRETE COMPOUNDING

n	Single Payment		Equal Payment Series				Uniform
	Compound-amount Factor	Present-worth Factor	Compound-amount Factor	Sinking-fund Factor	Present-worth Factor	Capital-recovery Factor	Gradient-Series Factor
	to find F given P F/P, i, n	to find P given F P/F, i, n	to find F given A F/A, i, n	to find A given F A/F, i, n	to find P given A P/A, i, n	to find A given P A/P, i, n	to find A given G A/G, i, n
1	0.5000	2.0000	1.0000	1.0000	2.0000	0.5000	0.0000
2	0.2500	4.0000	1.5000	0.6667	6.0000	0.1667	0.6667
3	0.1250	8.0000	1.7500	0.5714	14.0000	0.0714	1.4286
4	0.0625	16.0000	1.8750	0.5333	30.0000	0.0333	2.2667
5	0.0313	32.0000	1.9375	0.5161	62.0000	0.0161	3.1613
6	0.0156	64.0000	1.9688	0.5079	126.0000	0.0079	4.0952
7	0.0078	128.0000	1.9844	0.5039	254.0000	0.0039	5.0551
8	0.0039	256.0000	1.9922	0.5020	510.0000	0.0020	6.0314
9	0.0020	512.0000	1.9961	0.5010	1022.0000	0.0010	7.0176
10	0.0010	1024.0000	1.9980	0.5005	2046.0000	0.0005	8.0098
11	0.0005	2048.0000	1.9990	0.5002	4094.0000	0.0002	9.0054
12	0.0002	4096.0000	1.9995	0.5001	8190.0000	0.0001	10.0029
13	0.0001	8192.0000	1.9998	0.5001	16382.0000	0.0001	11.0016
14	0.0001	16384.0000	1.9999	0.5000	32766.0000	0.0000	12.0009
15	0.0000	32768.0000	1.9999	0.5000	65534.0000	0.0000	13.0005
16	0.0000	65536.0000	2.0000	0.5000	131070.0000	0.0000	14.0002
17	0.0000	131072.0000	2.0000	0.5000	262142.0000	0.0000	15.0001
18	0.0000	262144.0000	2.0000	0.5000	524286.0000	0.0000	16.0001
19	0.0000	524288.0000	2.0000	0.5000	1048574.0000	0.0000	17.0000
20	0.0000	1048576.0000	2.0000	0.5000	2097150.0000	0.0000	18.0000
21	0.0000	2097152.0000	2.0000	0.5000	4194302.0000	0.0000	19.0000
22	0.0000	4194304.0000	2.0000	0.5000	8388606.0000	0.0000	20.0000
23	0.0000	8388608.0000	2.0000	0.5000	16777214.0000	0.0000	21.0000
24	0.0000	16777216.0000	2.0000	0.5000	33554430.0000	0.0000	22.0000
25	0.0000	33554432.0000	2.0000	0.5000	67108862.0000	0.0000	23.0000
26	0.0000	67108864.0000	2.0000	0.5000	134217726.0000	0.0000	24.0000
27	0.0000	134217728.0000	2.0000	0.5000	268435454.0000	0.0000	25.0000
28	0.0000	268435456.0000	2.0000	0.5000	536870910.0000	0.0000	26.0000
29	0.0000	536870912.0000	2.0000	0.5000	1073741822.0000	0.0000	27.0000
30	0.0000	1073741824.0000	2.0000	0.5000	2147483646.0000	0.0000	28.0000
31	0.0000	2147483648.0000	2.0000	0.5000	4294967294.0000	0.0000	29.0000
32	0.0000	4294967296.0000	2.0000	0.5000	8589934590.0000	0.0000	30.0000
33	0.0000	8589934592.0000	2.0000	0.5000	17179869182.0000	0.0000	31.0000
34	0.0000	17179869184.0000	2.0000	0.5000	34359738366.0000	0.0000	32.0000
35	0.0000	34359738368.0000	2.0000	0.5000	68719476734.0000	0.0000	33.0000
40	0.0000	1099511627776.0000	2.0000	0.5000	2199023255550.0000	0.0000	38.0000
45	0.0000	35184372088832.0000	2.0000	0.5000	70368744177662.0000	0.0000	43.0000
50	0.0000	1.1259E+15	2.0000	0.5000	2.2518E+15	0.0000	48.0000
55	0.0000	3.6029E+16	2.0000	0.5000	7.2058E+16	0.0000	53.0000
60	0.0000	1.1529E+18	2.0000	0.5000	2.3058E+18	0.0000	58.0000
65	0.0000	3.6893E+19	2.0000	0.5000	7.3787E+19	0.0000	63.0000
70	0.0000	1.1806E+21	2.0000	0.5000	2.3612E+21	0.0000	68.0000
75	0.0000	3.7779E+22	2.0000	0.5000	7.5558E+22	0.0000	73.0000
80	0.0000	1.2089E+24	2.0000	0.5000	2.4179E+24	0.0000	78.0000
85	0.0000	3.8686E+25	2.0000	0.5000	7.7371E+25	0.0000	83.0000
90	0.0000	1.2379E+27	2.0000	0.5000	2.4759E+27	0.0000	88.0000
95	0.0000	3.9614E+28	2.0000	0.5000	7.9228E+28	0.0000	93.0000
100	0.0000	1.2677E+30	2.0000	0.5000	2.5353E+30	0.0000	98.0000

r 0.5 INTEREST FACTORS FOR CONTINUOUS COMPOUNDING

n	Single Payment		Equal Payment Series				Uniform
	Compound-amount Factor	Present-worth Factor	Compound-amount Factor	Sinking-fund Factor	Present-worth Factor	Capital-recovery Factor	Gradient-Series Factor
	to find F given P F/P, i, n	to find P given F P/F, i, n	to find F given A F/A, i, n	to find A given F A/F, i, n	to find P given A P/A, i, n	to find A given P A/P, i, n	to find A given G A/G, i, n
1	1.0050	0.9950	1.0000	1.0000	0.9950	1.0050	0.0000
2	1.0101	0.9900	2.0050	0.4988	1.9851	0.5038	0.4988
3	1.0151	0.9851	3.0151	0.3317	2.9702	0.3367	0.9967
4	1.0202	0.9802	4.0302	0.2481	3.9504	0.2531	1.4938
5	1.0253	0.9753	5.0504	0.1980	4.9257	0.2030	1.9900
6	1.0305	0.9704	6.0757	0.1646	5.8961	0.1696	2.4854
7	1.0356	0.9656	7.1061	0.1407	6.8617	0.1457	2.9800
8	1.0408	0.9608	8.1418	0.1228	7.8225	0.1278	3.4738
9	1.0460	0.9560	9.1826	0.1089	8.7785	0.1139	3.9667
10	1.0513	0.9512	10.2286	0.0978	9.7298	0.1028	4.4588
11	1.0565	0.9465	11.2799	0.0887	10.6762	0.0937	4.9500
12	1.0618	0.9418	12.3364	0.0811	11.6180	0.0861	5.4404
13	1.0672	0.9371	13.3983	0.0746	12.5551	0.0796	5.9300
14	1.0725	0.9324	14.4654	0.0691	13.4875	0.0741	6.4188
15	1.0779	0.9277	15.5379	0.0644	14.4152	0.0694	6.9067
16	1.0833	0.9231	16.6158	0.0602	15.3383	0.0652	7.3938
17	1.0887	0.9185	17.6991	0.0565	16.2568	0.0615	7.8800
18	1.0942	0.9139	18.7878	0.0532	17.1708	0.0582	8.3654
19	1.0997	0.9094	19.8820	0.0503	18.0801	0.0553	8.8500
20	1.1052	0.9048	20.9816	0.0477	18.9850	0.0527	9.3338
21	1.1107	0.9003	22.0868	0.0453	19.8853	0.0503	9.8167
22	1.1163	0.8958	23.1975	0.0431	20.7811	0.0481	10.2988
23	1.1219	0.8914	24.3138	0.0411	21.6725	0.0461	10.7800
24	1.1275	0.8869	25.4357	0.0393	22.5594	0.0443	11.2605
25	1.1331	0.8825	26.5632	0.0376	23.4419	0.0427	11.7401
26	1.1388	0.8781	27.6963	0.0361	24.3200	0.0411	12.2188
27	1.1445	0.8737	28.8351	0.0347	25.1937	0.0397	12.6968
28	1.1503	0.8694	29.9797	0.0334	26.0631	0.0384	13.1739
29	1.1560	0.8650	31.1300	0.0321	26.9281	0.0371	13.6501
30	1.1618	0.8607	32.2860	0.0310	27.7888	0.0360	14.1256
31	1.1677	0.8564	33.4478	0.0299	28.6452	0.0349	14.6002
32	1.1735	0.8521	34.6155	0.0289	29.4974	0.0339	15.0739
33	1.1794	0.8479	35.7890	0.0279	30.3453	0.0330	15.5469
34	1.1853	0.8437	36.9684	0.0271	31.1889	0.0321	16.0190
35	1.1912	0.8395	38.1537	0.0262	32.0284	0.0312	16.4903
40	1.2214	0.8187	44.1699	0.0226	36.1633	0.0277	18.8342
45	1.2523	0.7985	50.3385	0.0199	40.1961	0.0249	21.1574
50	1.2840	0.7788	56.6632	0.0176	44.1293	0.0227	23.4598
55	1.3165	0.7596	63.1480	0.0158	47.9655	0.0208	25.7416
60	1.3499	0.7408	69.7970	0.0143	51.7069	0.0193	28.0027
65	1.3840	0.7225	76.6143	0.0131	55.3559	0.0181	30.2431
70	1.4191	0.7047	83.6042	0.0120	58.9148	0.0170	32.4629
75	1.4550	0.6873	90.7710	0.0110	62.3859	0.0160	34.6621
80	1.4918	0.6703	98.1192	0.0102	65.7713	0.0152	36.8408
85	1.5296	0.6538	105.6535	0.0095	69.0731	0.0145	38.9990
90	1.5683	0.6376	113.3785	0.0088	72.2933	0.0138	41.1368
95	1.6080	0.6219	121.2991	0.0082	75.4341	0.0133	43.2541
100	1.6487	0.6065	129.4202	0.0077	78.4973	0.0127	45.3510

r 0.75 INTEREST FACTORS FOR CONTINUOUS COMPOUNDING

n	Single Payment		Equal Payment Series				Uniform
	Compound-amount Factor	Present-worth Factor	Compound-amount Factor	Sinking-fund Factor	Present-worth Factor	Capital-recovery Factor	Gradient-Series Factor
	to find F given P F/P, i, n	to find P given F P/F, i, n	to find F given A F/A, i, n	to find A given F A/F, i, n	to find P given A P/A, i, n	to find A given P A/P, i, n	to find A given G A/G, i, n
1	1.0075	0.9925	1.0000	1.0000	0.9925	1.0075	0.0000
2	1.0151	0.9851	2.0075	0.4981	1.9776	0.5057	0.4981
3	1.0228	0.9778	3.0226	0.3308	2.9554	0.3384	0.9950
4	1.0305	0.9704	4.0454	0.2472	3.9258	0.2547	1.4906
5	1.0382	0.9632	5.0759	0.1970	4.8890	0.2045	1.9850
6	1.0460	0.9560	6.1141	0.1636	5.8450	0.1711	2.4781
7	1.0539	0.9489	7.1601	0.1397	6.7939	0.1472	2.9700
8	1.0618	0.9418	8.2140	0.1217	7.7356	0.1293	3.4606
9	1.0698	0.9347	9.2758	0.1078	8.6704	0.1153	3.9500
10	1.0779	0.9277	10.3457	0.0967	9.5981	0.1042	4.4381
11	1.0860	0.9208	11.4235	0.0875	10.5189	0.0951	4.9250
12	1.0942	0.9139	12.5095	0.0799	11.4329	0.0875	5.4106
13	1.1024	0.9071	13.6037	0.0735	12.3400	0.0810	5.8950
14	1.1107	0.9003	14.7061	0.0680	13.2403	0.0755	6.3781
15	1.1191	0.8936	15.8168	0.0632	14.1339	0.0708	6.8600
16	1.1275	0.8869	16.9359	0.0590	15.0208	0.0666	7.3407
17	1.1360	0.8803	18.0634	0.0554	15.9011	0.0629	7.8200
18	1.1445	0.8737	19.1994	0.0521	16.7748	0.0596	8.2982
19	1.1532	0.8672	20.3439	0.0492	17.6420	0.0567	8.7751
20	1.1618	0.8607	21.4971	0.0465	18.5027	0.0540	9.2507
21	1.1706	0.8543	22.6589	0.0441	19.3570	0.0517	9.7251
22	1.1794	0.8479	23.8295	0.0420	20.2049	0.0495	10.1983
23	1.1883	0.8416	25.0089	0.0400	21.0464	0.0475	10.6702
24	1.1972	0.8353	26.1972	0.0382	21.8817	0.0457	11.1408
25	1.2062	0.8290	27.3944	0.0365	22.7107	0.0440	11.6102
26	1.2153	0.8228	28.6006	0.0350	23.5336	0.0425	12.0784
27	1.2245	0.8167	29.8159	0.0335	24.3503	0.0411	12.5453
28	1.2337	0.8106	31.0404	0.0322	25.1608	0.0397	13.0110
29	1.2430	0.8045	32.2741	0.0310	25.9654	0.0385	13.4754
30	1.2523	0.7985	33.5170	0.0298	26.7639	0.0374	13.9386
31	1.2618	0.7925	34.7693	0.0288	27.5564	0.0363	14.4005
32	1.2712	0.7866	36.0311	0.0278	28.3431	0.0353	14.8612
33	1.2808	0.7808	37.3023	0.0268	29.1238	0.0343	15.3207
34	1.2905	0.7749	38.5832	0.0259	29.8987	0.0334	15.7789
35	1.3002	0.7691	39.8736	0.0251	30.6679	0.0326	16.2359
40	1.3499	0.7408	46.4731	0.0215	34.4281	0.0290	18.5021
45	1.4014	0.7136	53.3248	0.0188	38.0500	0.0263	20.7374
50	1.4550	0.6873	60.4383	0.0165	41.5386	0.0241	22.9418
55	1.5106	0.6620	67.8236	0.0147	44.8988	0.0223	25.1153
60	1.5683	0.6376	75.4912	0.0132	48.1353	0.0208	27.2582
65	1.6282	0.6142	83.4517	0.0120	51.2527	0.0195	29.3704
70	1.6905	0.5916	91.7164	0.0109	54.2553	0.0184	31.4521
75	1.7551	0.5698	100.2969	0.0100	57.1475	0.0175	33.5034
80	1.8221	0.5488	109.2053	0.0092	59.9331	0.0167	35.5244
85	1.8917	0.5286	118.4541	0.0084	62.6163	0.0160	37.5153
90	1.9640	0.5092	128.0563	0.0078	65.2007	0.0153	39.4762
95	2.0391	0.4904	138.0255	0.0072	67.6900	0.0148	41.4072
100	2.1170	0.4724	148.3755	0.0067	70.0876	0.0143	43.3084

r 1 INTEREST FACTORS FOR CONTINUOUS COMPOUNDING

n	Single Payment		Equal Payment Series				Uniform
	Compound-amount Factor	Present-worth Factor	Compound-amount Factor	Sinking-fund Factor	Present-worth Factor	Capital-recovery Factor	Gradient-Series Factor
	to find F given P F/P, i, n	to find P given F P/F, i, n	to find F given A F/A, i, n	to find A given F A/F, i, n	to find P given A P/A, i, n	to find A given P A/P, i, n	to find A given G A/G, i, n
1	1.0101	0.9900	1.0000	1.0000	0.9900	1.0101	0.0000
2	1.0202	0.9802	2.0101	0.4975	1.9702	0.5076	0.4975
3	1.0305	0.9704	3.0303	0.3300	2.9407	0.3401	0.9933
4	1.0408	0.9608	4.0607	0.2463	3.9015	0.2563	1.4875
5	1.0513	0.9512	5.1015	0.1960	4.8527	0.2061	1.9800
6	1.0618	0.9418	6.1528	0.1625	5.7945	0.1726	2.4708
7	1.0725	0.9324	7.2146	0.1386	6.7269	0.1487	2.9600
8	1.0833	0.9231	8.2871	0.1207	7.6500	0.1307	3.4475
9	1.0942	0.9139	9.3704	0.1067	8.5639	0.1168	3.9333
10	1.1052	0.9048	10.4646	0.0956	9.4688	0.1056	4.4175
11	1.1163	0.8958	11.5698	0.0864	10.3646	0.0965	4.9000
12	1.1275	0.8869	12.6860	0.0788	11.2515	0.0889	5.3809
13	1.1388	0.8781	13.8135	0.0724	12.1296	0.0824	5.8600
14	1.1503	0.8694	14.9524	0.0669	12.9990	0.0769	6.3376
15	1.1618	0.8607	16.1026	0.0621	13.8597	0.0722	6.8134
16	1.1735	0.8521	17.2645	0.0579	14.7118	0.0680	7.2876
17	1.1853	0.8437	18.4380	0.0542	15.5555	0.0643	7.7601
18	1.1972	0.8353	19.6233	0.0510	16.3908	0.0610	8.2310
19	1.2092	0.8270	20.8205	0.0480	17.2177	0.0581	8.7002
20	1.2214	0.8187	22.0298	0.0454	18.0364	0.0554	9.1677
21	1.2337	0.8106	23.2512	0.0430	18.8470	0.0531	9.6336
22	1.2461	0.8025	24.4848	0.0408	19.6495	0.0509	10.0978
23	1.2586	0.7945	25.7309	0.0389	20.4441	0.0489	10.5604
24	1.2712	0.7866	26.9895	0.0371	21.2307	0.0471	11.0213
25	1.2840	0.7788	28.2608	0.0354	22.0095	0.0454	11.4805
26	1.2969	0.7711	29.5448	0.0338	22.7806	0.0439	11.9381
27	1.3100	0.7634	30.8417	0.0324	23.5439	0.0425	12.3941
28	1.3231	0.7558	32.1517	0.0311	24.2997	0.0412	12.8484
29	1.3364	0.7483	33.4748	0.0299	25.0480	0.0399	13.3010
30	1.3499	0.7408	34.8112	0.0287	25.7888	0.0388	13.7520
31	1.3634	0.7334	36.1611	0.0277	26.5222	0.0377	14.2013
32	1.3771	0.7261	37.5245	0.0266	27.2484	0.0367	14.6490
33	1.3910	0.7189	38.9017	0.0257	27.9673	0.0358	15.0950
34	1.4049	0.7118	40.2926	0.0248	28.6791	0.0349	15.5394
35	1.4191	0.7047	41.6976	0.0240	29.3838	0.0340	15.9821
40	1.4918	0.6703	48.9370	0.0204	32.8034	0.0305	18.1710
45	1.5683	0.6376	56.5475	0.0177	36.0563	0.0277	20.3190
50	1.6487	0.6065	64.5483	0.0155	39.1505	0.0255	22.4261
55	1.7333	0.5769	72.9593	0.0137	42.0938	0.0238	24.4926
60	1.8221	0.5488	81.8015	0.0122	44.8936	0.0223	26.5187
65	1.9155	0.5220	91.0971	0.0110	47.5568	0.0210	28.5045
70	2.0138	0.4966	100.8692	0.0099	50.0902	0.0200	30.4505
75	2.1170	0.4724	111.1424	0.0090	52.5000	0.0190	32.3567
80	2.2255	0.4493	121.9423	0.0082	54.7922	0.0183	34.2235
85	2.3396	0.4274	133.2960	0.0075	56.9727	0.0176	36.0513
90	2.4596	0.4066	145.2317	0.0069	59.0468	0.0169	37.8402
95	2.5857	0.3867	157.7794	0.0063	61.0198	0.0164	39.5907
100	2.7183	0.3679	170.9705	0.0058	62.8965	0.0159	41.3032

r 1.25 INTEREST FACTORS FOR CONTINUOUS COMPOUNDING

n	Single Payment		Equal Payment Series				Uniform
	Compound-amount Factor	Present-worth Factor	Compound-amount Factor	Sinking-fund Factor	Present-worth Factor	Capital-recovery Factor	Gradient-Series Factor
	to find F given P F/P, i, n	to find P given F P/F, i, n	to find F given A F/A, i, n	to find A given F A/F, i, n	to find P given A P/A, i, n	to find A given P A/P, i, n	to find A given G A/G, i, n
1	1.0126	0.9876	1.0000	1.0000	0.9876	1.0126	0.0000
2	1.0253	0.9753	2.0126	0.4969	1.9629	0.5095	0.4969
3	1.0382	0.9632	3.0379	0.3292	2.9261	0.3418	0.9917
4	1.0513	0.9512	4.0761	0.2453	3.8773	0.2579	1.4844
5	1.0645	0.9394	5.1274	0.1950	4.8167	0.2076	1.9750
6	1.0779	0.9277	6.1919	0.1615	5.7445	0.1741	2.4635
7	1.0914	0.9162	7.2698	0.1376	6.6607	0.1501	2.9500
8	1.1052	0.9048	8.3612	0.1196	7.5655	0.1322	3.4344
9	1.1191	0.8936	9.4664	0.1056	8.4591	0.1182	3.9167
10	1.1331	0.8825	10.5854	0.0945	9.3416	0.1070	4.3969
11	1.1474	0.8715	11.7186	0.0853	10.2132	0.0979	4.8750
12	1.1618	0.8607	12.8660	0.0777	11.0739	0.0903	5.3511
13	1.1764	0.8500	14.0278	0.0713	11.9239	0.0839	5.8251
14	1.1912	0.8395	15.2043	0.0658	12.7633	0.0783	6.2970
15	1.2062	0.8290	16.3955	0.0610	13.5924	0.0736	6.7668
16	1.2214	0.8187	17.6017	0.0568	14.4111	0.0694	7.2346
17	1.2368	0.8086	18.8232	0.0531	15.2197	0.0657	7.7002
18	1.2523	0.7985	20.0599	0.0499	16.0182	0.0624	8.1638
19	1.2681	0.7886	21.3122	0.0469	16.8068	0.0595	8.6254
20	1.2840	0.7788	22.5803	0.0443	17.5856	0.0569	9.0848
21	1.3002	0.7691	23.8643	0.0419	18.3547	0.0545	9.5422
22	1.3165	0.7596	25.1645	0.0397	19.1143	0.0523	9.9975
23	1.3331	0.7501	26.4810	0.0378	19.8644	0.0503	10.4508
24	1.3499	0.7408	27.8141	0.0360	20.6052	0.0485	10.9019
25	1.3668	0.7316	29.1640	0.0343	21.3368	0.0469	11.3511
26	1.3840	0.7225	30.5308	0.0328	22.0594	0.0453	11.7981
27	1.4014	0.7136	31.9149	0.0313	22.7729	0.0439	12.2431
28	1.4191	0.7047	33.3163	0.0300	23.4776	0.0426	12.6860
29	1.4369	0.6959	34.7354	0.0288	24.1735	0.0414	13.1269
30	1.4550	0.6873	36.1723	0.0276	24.8608	0.0402	13.5657
31	1.4733	0.6788	37.6273	0.0266	25.5396	0.0392	14.0025
32	1.4918	0.6703	39.1006	0.0256	26.2099	0.0382	14.4372
33	1.5106	0.6620	40.5924	0.0246	26.8719	0.0372	14.8699
34	1.5296	0.6538	42.1030	0.0238	27.5257	0.0363	15.3005
35	1.5488	0.6456	43.6326	0.0229	28.1713	0.0355	15.7291
40	1.6487	0.6065	51.5740	0.0194	31.2812	0.0320	17.8413
45	1.7551	0.5698	60.0276	0.0167	34.2027	0.0292	19.9027
50	1.8682	0.5353	69.0265	0.0145	36.9472	0.0271	21.9137
55	1.9887	0.5028	78.6057	0.0127	39.5254	0.0253	23.8745
60	2.1170	0.4724	88.8027	0.0113	41.9474	0.0238	25.7857
65	2.2535	0.4437	99.6573	0.0100	44.2227	0.0226	27.6477
70	2.3989	0.4169	111.2120	0.0090	46.3601	0.0216	29.4608
75	2.5536	0.3916	123.5120	0.0081	48.3680	0.0207	31.2257
80	2.7183	0.3679	136.6052	0.0073	50.2542	0.0199	32.9429
85	2.8936	0.3456	150.5429	0.0066	52.0262	0.0192	34.6129
90	3.0802	0.3247	165.3794	0.0060	53.6908	0.0186	36.2363
95	3.2789	0.3050	181.1728	0.0055	55.2546	0.0181	37.8138
100	3.4903	0.2865	197.9849	0.0051	56.7236	0.0176	39.3459

r 1.5 INTEREST FACTORS FOR CONTINUOUS COMPOUNDING

n	Single Payment		Equal Payment Series				Uniform
	Compound-amount Factor	Present-worth Factor	Compound-amount Factor	Sinking-fund Factor	Present-worth Factor	Capital-recovery Factor	Gradient-Series Factor
	to find F given P F/P, i, n	to find P given F P/F, i, n	to find F given A F/A, i, n	to find A given F A/F, i, n	to find P given A P/A, i, n	to find A given P A/P, i, n	to find A given G A/G, i, n
1	1.0151	0.9851	1.0000	1.0000	0.9851	1.0151	0.0000
2	1.0305	0.9704	2.0151	0.4963	1.9556	0.5114	0.4963
3	1.0460	0.9560	3.0456	0.3283	2.9116	0.3435	0.9900
4	1.0618	0.9418	4.0916	0.2444	3.8533	0.2595	1.4813
5	1.0779	0.9277	5.1534	0.1940	4.7811	0.2092	1.9700
6	1.0942	0.9139	6.2313	0.1605	5.6950	0.1756	2.4563
7	1.1107	0.9003	7.3255	0.1365	6.5953	0.1516	2.9400
8	1.1275	0.8869	8.4362	0.1185	7.4822	0.1336	3.4213
9	1.1445	0.8737	9.5637	0.1046	8.3560	0.1197	3.9000
10	1.1618	0.8607	10.7082	0.0934	9.2167	0.1085	4.3763
11	1.1794	0.8479	11.8701	0.0842	10.0646	0.0994	4.8501
12	1.1972	0.8353	13.0495	0.0766	10.8998	0.0917	5.3213
13	1.2153	0.8228	14.2467	0.0702	11.7227	0.0853	5.7901
14	1.2337	0.8106	15.4620	0.0647	12.5332	0.0798	6.2564
15	1.2523	0.7985	16.6957	0.0599	13.3318	0.0750	6.7202
16	1.2712	0.7866	17.9480	0.0557	14.1184	0.0708	7.1816
17	1.2905	0.7749	19.2192	0.0520	14.8933	0.0671	7.6404
18	1.3100	0.7634	20.5097	0.0488	15.6567	0.0639	8.0967
19	1.3298	0.7520	21.8197	0.0458	16.4087	0.0609	8.5506
20	1.3499	0.7408	23.1494	0.0432	17.1495	0.0583	9.0020
21	1.3703	0.7298	24.4993	0.0408	17.8793	0.0559	9.4509
22	1.3910	0.7189	25.8695	0.0387	18.5982	0.0538	9.8973
23	1.4120	0.7082	27.2605	0.0367	19.3065	0.0518	10.3413
24	1.4333	0.6977	28.6725	0.0349	20.0041	0.0500	10.7828
25	1.4550	0.6873	30.1058	0.0332	20.6914	0.0483	11.2218
26	1.4770	0.6771	31.5608	0.0317	21.3685	0.0468	11.6584
27	1.4993	0.6670	33.0378	0.0303	22.0355	0.0454	12.0925
28	1.5220	0.6570	34.5371	0.0290	22.6925	0.0441	12.5241
29	1.5450	0.6473	36.0591	0.0277	23.3398	0.0428	12.9533
30	1.5683	0.6376	37.6040	0.0266	23.9774	0.0417	13.3800
31	1.5920	0.6281	39.1723	0.0255	24.6055	0.0406	13.8043
32	1.6161	0.6188	40.7644	0.0245	25.2243	0.0396	14.2261
33	1.6405	0.6096	42.3804	0.0236	25.8339	0.0387	14.6455
34	1.6653	0.6005	44.0209	0.0227	26.4344	0.0378	15.0625
35	1.6905	0.5916	45.6862	0.0219	27.0259	0.0370	15.4770
40	1.8221	0.5488	54.3979	0.0184	29.8542	0.0335	17.5131
45	1.9640	0.5092	63.7881	0.0157	32.4781	0.0308	19.4890
50	2.1170	0.4724	73.9096	0.0135	34.9124	0.0286	21.4052
55	2.2819	0.4382	84.8194	0.0118	37.1708	0.0269	23.2622
60	2.4596	0.4066	96.5789	0.0104	39.2660	0.0255	25.0609
65	2.6512	0.3772	109.2543	0.0092	41.2099	0.0243	26.8018
70	2.8577	0.3499	122.9169	0.0081	43.0133	0.0232	28.4859
75	3.0802	0.3247	137.6436	0.0073	44.6863	0.0224	30.1140
80	3.3201	0.3012	153.5173	0.0065	46.2385	0.0216	31.6869
85	3.5787	0.2794	170.6273	0.0059	47.6786	0.0210	33.2056
90	3.8574	0.2592	189.0699	0.0053	49.0145	0.0204	34.6710
95	4.1579	0.2405	208.9489	0.0048	50.2540	0.0199	36.0842
100	4.4817	0.2231	230.3761	0.0043	51.4039	0.0195	37.4462

r 2 INTEREST FACTORS FOR CONTINUOUS COMPOUNDING

n	Single Payment		Equal Payment Series				Uniform
	Compound-amount Factor	Present-worth Factor	Compound-amount Factor	Sinking-fund Factor	Present-worth Factor	Capital-recovery Factor	Gradient-Series Factor
	to find F given P F/P, i, n	to find P given F P/F, i, n	to find F given A F/A, i, n	to find A given F A/F, i, n	to find P given A P/A, i, n	to find A given P A/P, i, n	to find A given G A/G, i, n
1	1.0202	0.9802	1.0000	1.0000	0.9802	1.0202	0.0000
2	1.0408	0.9608	2.0202	0.4950	1.9410	0.5152	0.4950
3	1.0618	0.9418	3.0610	0.3267	2.8828	0.3469	0.9867
4	1.0833	0.9231	4.1228	0.2426	3.8059	0.2628	1.4750
5	1.1052	0.9048	5.2061	0.1921	4.7107	0.2123	1.9600
6	1.1275	0.8869	6.3113	0.1584	5.5976	0.1786	2.4417
7	1.1503	0.8694	7.4388	0.1344	6.4670	0.1546	2.9200
8	1.1735	0.8521	8.5891	0.1164	7.3191	0.1366	3.3950
9	1.1972	0.8353	9.7626	0.1024	8.1544	0.1226	3.8667
10	1.2214	0.8187	10.9598	0.0912	8.9731	0.1114	4.3351
11	1.2461	0.8025	12.1812	0.0821	9.7756	0.1023	4.8002
12	1.2712	0.7866	13.4273	0.0745	10.5623	0.0947	5.2619
13	1.2969	0.7711	14.6985	0.0680	11.3333	0.0882	5.7203
14	1.3231	0.7558	15.9955	0.0625	12.0891	0.0827	6.1754
15	1.3499	0.7408	17.3186	0.0577	12.8299	0.0779	6.6272
16	1.3771	0.7261	18.6685	0.0536	13.5561	0.0738	7.0757
17	1.4049	0.7118	20.0456	0.0499	14.2678	0.0701	7.5209
18	1.4333	0.6977	21.4505	0.0466	14.9655	0.0668	7.9628
19	1.4623	0.6839	22.8839	0.0437	15.6494	0.0639	8.4014
20	1.4918	0.6703	24.3461	0.0411	16.3197	0.0613	8.8368
21	1.5220	0.6570	25.8380	0.0387	16.9768	0.0589	9.2688
22	1.5527	0.6440	27.3599	0.0365	17.6208	0.0568	9.6976
23	1.5841	0.6313	28.9126	0.0346	18.2521	0.0548	10.1231
24	1.6161	0.6188	30.4967	0.0328	18.8709	0.0530	10.5453
25	1.6487	0.6065	32.1128	0.0311	19.4774	0.0513	10.9643
26	1.6820	0.5945	33.7615	0.0296	20.0719	0.0498	11.3800
27	1.7160	0.5827	35.4435	0.0282	20.6547	0.0484	11.7925
28	1.7507	0.5712	37.1595	0.0269	21.2259	0.0471	12.2018
29	1.7860	0.5599	38.9102	0.0257	21.7858	0.0459	12.6078
30	1.8221	0.5488	40.6963	0.0246	22.3346	0.0448	13.0106
31	1.8589	0.5379	42.5184	0.0235	22.8725	0.0437	13.4102
32	1.8965	0.5273	44.3773	0.0225	23.3998	0.0427	13.8065
33	1.9348	0.5169	46.2738	0.0216	23.9167	0.0418	14.1997
34	1.9739	0.5066	48.2086	0.0207	24.4233	0.0409	14.5897
35	2.0138	0.4966	50.1824	0.0199	24.9199	0.0401	14.9765
40	2.2255	0.4493	60.6663	0.0165	27.2591	0.0367	16.8630
45	2.4596	0.4066	72.2528	0.0138	29.3758	0.0340	18.6714
50	2.7183	0.3679	85.0578	0.0118	31.2910	0.0320	20.4028
55	3.0042	0.3329	99.2096	0.0101	33.0240	0.0303	22.0588
60	3.3201	0.3012	114.8497	0.0087	34.5921	0.0289	23.6409
65	3.6693	0.2725	132.1346	0.0076	36.0109	0.0278	25.1507
70	4.0552	0.2466	151.2375	0.0066	37.2947	0.0268	26.5899
75	4.4817	0.2231	172.3494	0.0058	38.4564	0.0260	27.9604
80	4.9530	0.2019	195.6817	0.0051	39.5075	0.0253	29.2640
85	5.4739	0.1827	221.4679	0.0045	40.4585	0.0247	30.5028
90	6.0496	0.1653	249.9660	0.0040	41.3191	0.0242	31.6786
95	6.6859	0.1496	281.4613	0.0036	42.0978	0.0238	32.7937
100	7.3891	0.1353	316.2689	0.0032	42.8023	0.0234	33.8499

n	Single Payment		Equal Payment Series				Uniform
	Compound- amount Factor	Present- worth Factor	Compound- amount Factor	Sinking- fund Factor	Present- worth Factor	Capital- recovery Factor	Gradient- Series Factor
	to find F given P F/P, i, n	to find P given F P/F, i, n	to find F given A F/A, i, n	to find A given F A/F, i, n	to find P given A P/A, i, n	to find A given P A/P, i, n	to find A given G A/G, i, n
1	1.0305	0.9704	1.0000	1.0000	0.9704	1.0305	0.0000
2	1.0618	0.9418	2.0305	0.4925	1.9122	0.5230	0.4925
3	1.0942	0.9139	3.0923	0.3234	2.8261	0.3538	0.9800
4	1.1275	0.8869	4.1865	0.2389	3.7131	0.2693	1.4625
5	1.1618	0.8607	5.3140	0.1882	4.5738	0.2186	1.9400
6	1.1972	0.8353	6.4758	0.1544	5.4090	0.1849	2.4125
7	1.2337	0.8106	7.6730	0.1303	6.2196	0.1608	2.8801
8	1.2712	0.7866	8.9067	0.1123	7.0063	0.1427	3.3427
9	1.3100	0.7634	10.1779	0.0983	7.7696	0.1287	3.8002
10	1.3499	0.7408	11.4879	0.0870	8.5104	0.1175	4.2529
11	1.3910	0.7189	12.8378	0.0779	9.2294	0.1083	4.7005
12	1.4333	0.6977	14.2287	0.0703	9.9270	0.1007	5.1433
13	1.4770	0.6771	15.6621	0.0638	10.6041	0.0943	5.5811
14	1.5220	0.6570	17.1390	0.0583	11.2612	0.0888	6.0139
15	1.5683	0.6376	18.6610	0.0536	11.8988	0.0840	6.4419
16	1.6161	0.6188	20.2293	0.0494	12.5176	0.0799	6.8649
17	1.6653	0.6005	21.8454	0.0458	13.1181	0.0762	7.2831
18	1.7160	0.5827	23.5107	0.0425	13.7008	0.0730	7.6964
19	1.7683	0.5655	25.2267	0.0396	14.2663	0.0701	8.1048
20	1.8221	0.5488	26.9950	0.0370	14.8151	0.0675	8.5084
21	1.8776	0.5326	28.8171	0.0347	15.3477	0.0652	8.9072
22	1.9348	0.5169	30.6947	0.0326	15.8646	0.0630	9.3012
23	1.9937	0.5016	32.6295	0.0306	16.3662	0.0611	9.6904
24	2.0544	0.4868	34.6232	0.0289	16.8529	0.0593	10.0748
25	2.1170	0.4724	36.6776	0.0273	17.3253	0.0577	10.4545
26	2.1815	0.4584	38.7946	0.0258	17.7837	0.0562	10.8294
27	2.2479	0.4449	40.9761	0.0244	18.2285	0.0549	11.1996
28	2.3164	0.4317	43.2240	0.0231	18.6603	0.0536	11.5652
29	2.3869	0.4190	45.5404	0.0220	19.0792	0.0524	11.9261
30	2.4596	0.4066	47.9273	0.0209	19.4858	0.0513	12.2823
31	2.5345	0.3946	50.3869	0.0198	19.8803	0.0503	12.6339
32	2.6117	0.3829	52.9214	0.0189	20.2632	0.0494	12.9810
33	2.6912	0.3716	55.5331	0.0180	20.6348	0.0485	13.3235
34	2.7732	0.3606	58.2243	0.0172	20.9954	0.0476	13.6614
35	2.8577	0.3499	60.9975	0.0164	21.3453	0.0468	13.9948
40	3.3201	0.3012	76.1830	0.0131	22.9459	0.0436	15.5953
45	3.8574	0.2592	93.8259	0.0107	24.3235	0.0411	17.0874
50	4.4817	0.2231	114.3242	0.0087	25.5092	0.0392	18.4750
55	5.2070	0.1920	138.1397	0.0072	26.5297	0.0377	19.7623
60	6.0496	0.1653	165.8094	0.0060	27.4081	0.0365	20.9538
65	7.0287	0.1423	197.9570	0.0051	28.1641	0.0355	22.0541
70	8.1662	0.1225	235.3072	0.0042	28.8149	0.0347	23.0677
75	9.4877	0.1054	278.7019	0.0036	29.3750	0.0340	23.9996
80	11.0232	0.0907	329.1193	0.0030	29.8570	0.0335	24.8543
85	12.8071	0.0781	387.6961	0.0026	30.2720	0.0330	25.6368
90	14.8797	0.0672	455.7526	0.0022	30.6291	0.0326	26.3516
95	17.2878	0.0578	534.8229	0.0019	30.9365	0.0323	27.0032
100	20.0855	0.0498	626.6895	0.0016	31.2010	0.0321	27.5963

n	Single Payment		Equal Payment Series				Uniform
	Compound-amount Factor	Present-worth Factor	Compound-amount Factor	Sinking-fund Factor	Present-worth Factor	Capital-recovery Factor	Gradient-Series Factor
	to find F given P F/P, i, n	to find P given F P/F, i, n	to find F given A F/A, i, n	to find A given F A/F, i, n	to find P given A P/A, i, n	to find A given P A/P, i, n	to find A given G A/G, i, n
1	1.0408	0.9608	1.0000	1.0000	0.9608	1.0408	0.0000
2	1.0833	0.9231	2.0408	0.4900	1.8839	0.5308	0.4900
3	1.1275	0.8869	3.1241	0.3201	2.7708	0.3609	0.9733
4	1.1735	0.8521	4.2516	0.2352	3.6230	0.2760	1.4500
5	1.2214	0.8187	5.4251	0.1843	4.4417	0.2251	1.9201
6	1.2712	0.7866	6.6465	0.1505	5.2283	0.1913	2.3834
7	1.3231	0.7558	7.9178	0.1263	5.9841	0.1671	2.8402
8	1.3771	0.7261	9.2409	0.1082	6.7103	0.1490	3.2904
9	1.4333	0.6977	10.6180	0.0942	7.4079	0.1350	3.7339
10	1.4918	0.6703	12.0513	0.0830	8.0783	0.1238	4.1709
11	1.5527	0.6440	13.5432	0.0738	8.7223	0.1146	4.6013
12	1.6161	0.6188	15.0959	0.0662	9.3411	0.1071	5.0252
13	1.6820	0.5945	16.7120	0.0598	9.9356	0.1006	5.4425
14	1.7507	0.5712	18.3940	0.0544	10.5068	0.0952	5.8534
15	1.8221	0.5488	20.1447	0.0496	11.0556	0.0905	6.2578
16	1.8965	0.5273	21.9668	0.0455	11.5829	0.0863	6.6558
17	1.9739	0.5066	23.8633	0.0419	12.0895	0.0827	7.0473
18	2.0544	0.4868	25.8371	0.0387	12.5763	0.0795	7.4326
19	2.1383	0.4677	27.8916	0.0359	13.0439	0.0767	7.8114
20	2.2255	0.4493	30.0298	0.0333	13.4933	0.0741	8.1840
21	2.3164	0.4317	32.2554	0.0310	13.9250	0.0718	8.5503
22	2.4109	0.4148	34.5717	0.0289	14.3398	0.0697	8.9104
23	2.5093	0.3985	36.9826	0.0270	14.7383	0.0679	9.2644
24	2.6117	0.3829	39.4919	0.0253	15.1212	0.0661	9.6122
25	2.7183	0.3679	42.1036	0.0238	15.4891	0.0646	9.9539
26	2.8292	0.3535	44.8219	0.0223	15.8425	0.0631	10.2896
27	2.9447	0.3396	47.6511	0.0210	16.1821	0.0618	10.6193
28	3.0649	0.3263	50.5958	0.0198	16.5084	0.0606	10.9431
29	3.1899	0.3135	53.6607	0.0186	16.8219	0.0594	11.2609
30	3.3201	0.3012	56.8506	0.0176	17.1231	0.0584	11.5730
31	3.4556	0.2894	60.1707	0.0166	17.4125	0.0574	11.8792
32	3.5966	0.2780	63.6263	0.0157	17.6905	0.0565	12.1797
33	3.7434	0.2671	67.2230	0.0149	17.9576	0.0557	12.4746
34	3.8962	0.2567	70.9664	0.0141	18.2143	0.0549	12.7638
35	4.0552	0.2466	74.8626	0.0134	18.4609	0.0542	13.0475
40	4.9530	0.2019	96.8625	0.0103	19.5562	0.0511	14.3845
45	6.0496	0.1653	123.7332	0.0081	20.4530	0.0489	15.5918
50	7.3891	0.1353	156.5532	0.0064	21.1872	0.0472	16.6775
55	9.0250	0.1108	196.6396	0.0051	21.7883	0.0459	17.6498
60	11.0232	0.0907	245.6012	0.0041	22.2804	0.0449	18.5172
65	13.4637	0.0743	305.4031	0.0033	22.6834	0.0441	19.2882
70	16.4446	0.0608	378.4453	0.0026	23.0133	0.0435	19.9710
75	20.0855	0.0498	467.6593	0.0021	23.2834	0.0429	20.5737
80	24.5325	0.0408	576.6254	0.0017	23.5045	0.0425	21.1038
85	29.9641	0.0334	709.7170	0.0014	23.6856	0.0422	21.5687
90	36.5982	0.0273	872.2754	0.0011	23.8338	0.0420	21.9751
95	44.7012	0.0224	1070.8247	0.0009	23.9552	0.0417	22.3295
100	54.5982	0.0183	1313.3333	0.0008	24.0545	0.0416	22.6376

n	Single Payment		Equal Payment Series				Uniform
	Compound-amount Factor	Present-worth Factor	Compound-amount Factor	Sinking-fund Factor	Present-worth Factor	Capital-recovery Factor	Gradient-Series Factor
	to find F given P F/P, i, n	to find P given F P/F, i, n	to find F given A F/A, i, n	to find A given F A/F, i, n	to find P given A P/A, i, n	to find A given P A/P, i, n	to find A given G A/G, i, n
1	1.0513	0.9512	1.0000	1.0000	0.9512	1.0513	0.0000
2	1.1052	0.9048	2.0513	0.4875	1.8561	0.5388	0.4875
3	1.1618	0.8607	3.1564	0.3168	2.7168	0.3681	0.9667
4	1.2214	0.8187	4.3183	0.2316	3.5355	0.2828	1.4375
5	1.2840	0.7788	5.5397	0.1805	4.3143	0.2318	1.9001
6	1.3499	0.7408	6.8237	0.1465	5.0551	0.1978	2.3544
7	1.4191	0.7047	8.1736	0.1223	5.7598	0.1736	2.8004
8	1.4918	0.6703	9.5926	0.1042	6.4301	0.1555	3.2382
9	1.5683	0.6376	11.0845	0.0902	7.0678	0.1415	3.6678
10	1.6487	0.6065	12.6528	0.0790	7.6743	0.1303	4.0892
11	1.7333	0.5769	14.3015	0.0699	8.2512	0.1212	4.5025
12	1.8221	0.5488	16.0347	0.0624	8.8001	0.1136	4.9077
13	1.9155	0.5220	17.8569	0.0560	9.3221	0.1073	5.3049
14	2.0138	0.4966	19.7724	0.0506	9.8187	0.1018	5.6941
15	2.1170	0.4724	21.7862	0.0459	10.2911	0.0972	6.0753
16	2.2255	0.4493	23.9032	0.0418	10.7404	0.0931	6.4487
17	2.3396	0.4274	26.1287	0.0383	11.1678	0.0895	6.8143
18	2.4596	0.4066	28.4683	0.0351	11.5744	0.0864	7.1720
19	2.5857	0.3867	30.9279	0.0323	11.9611	0.0836	7.5221
20	2.7183	0.3679	33.5137	0.0298	12.3290	0.0811	7.8646
21	2.8577	0.3499	36.2319	0.0276	12.6789	0.0789	8.1996
22	3.0042	0.3329	39.0896	0.0256	13.0118	0.0769	8.5270
23	3.1582	0.3166	42.0938	0.0238	13.3284	0.0750	8.8471
24	3.3201	0.3012	45.2519	0.0221	13.6296	0.0734	9.1599
25	3.4903	0.2865	48.5721	0.0206	13.9161	0.0719	9.4654
26	3.6693	0.2725	52.0624	0.0192	14.1887	0.0705	9.7638
27	3.8574	0.2592	55.7317	0.0179	14.4479	0.0692	10.0551
28	4.0552	0.2466	59.5891	0.0168	14.6945	0.0681	10.3395
29	4.2631	0.2346	63.6443	0.0157	14.9291	0.0670	10.6170
30	4.4817	0.2231	67.9074	0.0147	15.1522	0.0660	10.8877
31	4.7115	0.2122	72.3891	0.0138	15.3644	0.0651	11.1517
32	4.9530	0.2019	77.1006	0.0130	15.5663	0.0642	11.4091
33	5.2070	0.1920	82.0536	0.0122	15.7584	0.0635	11.6601
34	5.4739	0.1827	87.2606	0.0115	15.9411	0.0627	11.9046
35	5.7546	0.1738	92.7346	0.0108	16.1149	0.0621	12.1429
40	7.3891	0.1353	124.6132	0.0080	16.8646	0.0593	13.2435
45	9.4877	0.1054	165.5462	0.0060	17.4484	0.0573	14.2024
50	12.1825	0.0821	218.1052	0.0046	17.9032	0.0559	15.0329
55	15.6426	0.0639	285.5923	0.0035	18.2573	0.0548	15.7480
60	20.0855	0.0498	372.2475	0.0027	18.5331	0.0540	16.3604
65	25.7903	0.0388	483.5149	0.0021	18.7479	0.0533	16.8822
70	33.1155	0.0302	626.3851	0.0016	18.9152	0.0529	17.3245
75	42.5211	0.0235	809.8341	0.0012	19.0455	0.0525	17.6979
80	54.5982	0.0183	1045.3872	0.0010	19.1469	0.0522	18.0116
85	70.1054	0.0143	1347.8435	0.0007	19.2260	0.0520	18.2742
90	90.0171	0.0111	1736.2049	0.0006	19.2875	0.0518	18.4931
95	115.5843	0.0087	2234.8710	0.0004	19.3354	0.0517	18.6751
100	148.4132	0.0067	2875.1708	0.0003	19.3727	0.0516	18.8258

n	Single Payment		Equal Payment Series				Uniform
	Compound- amount Factor	Present- worth Factor	Compound- amount Factor	Sinking- fund Factor	Present- worth Factor	Capital- recovery Factor	Gradient- Series Factor
	to find F given P F/P, i, n	to find P given F P/F, i, n	to find F given A F/A, i, n	to find A given F A/F, i, n	to find P given A P/A, i, n	to find A given P A/P, i, n	to find A given G A/G, i, n
1	1.0618	0.9418	1.0000	1.0000	0.9418	1.0618	0.0000
2	1.1275	0.8869	2.0618	0.4850	1.8287	0.5468	0.4850
3	1.1972	0.8353	3.1893	0.3135	2.6640	0.3754	0.9600
4	1.2712	0.7866	4.3866	0.2280	3.4506	0.2898	1.4251
5	1.3499	0.7408	5.6578	0.1767	4.1914	0.2386	1.8802
6	1.4333	0.6977	7.0077	0.1427	4.8891	0.2045	2.3254
7	1.5220	0.6570	8.4410	0.1185	5.5461	0.1803	2.7607
8	1.6161	0.6188	9.9629	0.1004	6.1649	0.1622	3.1862
9	1.7160	0.5827	11.5790	0.0864	6.7477	0.1482	3.6020
10	1.8221	0.5488	13.2950	0.0752	7.2965	0.1371	4.0080
11	1.9348	0.5169	15.1171	0.0662	7.8133	0.1280	4.4043
12	2.0544	0.4868	17.0519	0.0586	8.3001	0.1205	4.7911
13	2.1815	0.4584	19.1064	0.0523	8.7585	0.1142	5.1684
14	2.3164	0.4317	21.2878	0.0470	9.1902	0.1088	5.5363
15	2.4596	0.4066	23.6042	0.0424	9.5968	0.1042	5.8949
16	2.6117	0.3829	26.0638	0.0384	9.9797	0.1002	6.2442
17	2.7732	0.3606	28.6755	0.0349	10.3402	0.0967	6.5845
18	2.9447	0.3396	31.4487	0.0318	10.6798	0.0936	6.9156
19	3.1268	0.3198	34.3934	0.0291	10.9997	0.0909	7.2379
20	3.3201	0.3012	37.5202	0.0267	11.3009	0.0885	7.5514
21	3.5254	0.2837	40.8403	0.0245	11.5845	0.0863	7.8562
22	3.7434	0.2671	44.3657	0.0225	11.8516	0.0844	8.1525
23	3.9749	0.2516	48.1091	0.0208	12.1032	0.0826	8.4403
24	4.2207	0.2369	52.0840	0.0192	12.3401	0.0810	8.7199
25	4.4817	0.2231	56.3047	0.0178	12.5633	0.0796	8.9912
26	4.7588	0.2101	60.7864	0.0165	12.7734	0.0783	9.2546
27	5.0531	0.1979	65.5452	0.0153	12.9713	0.0771	9.5101
28	5.3656	0.1864	70.5983	0.0142	13.1577	0.0760	9.7578
29	5.6973	0.1755	75.9639	0.0132	13.3332	0.0750	9.9980
30	6.0496	0.1653	81.6612	0.0122	13.4985	0.0741	10.2307
31	6.4237	0.1557	87.7109	0.0114	13.6542	0.0732	10.4560
32	6.8210	0.1466	94.1346	0.0106	13.8008	0.0725	10.6743
33	7.2427	0.1381	100.9556	0.0099	13.9389	0.0717	10.8855
34	7.6906	0.1300	108.1983	0.0092	14.0689	0.0711	11.0899
35	8.1662	0.1225	115.8889	0.0086	14.1913	0.0705	11.2876
40	11.0232	0.0907	162.0915	0.0062	14.7046	0.0680	12.1809
45	14.8797	0.0672	224.4584	0.0045	15.0848	0.0663	12.9295
50	20.0855	0.0498	308.6449	0.0032	15.3665	0.0651	13.5519
55	27.1126	0.0369	422.2849	0.0024	15.5752	0.0642	14.0654
60	36.5982	0.0273	575.6828	0.0017	15.7298	0.0636	14.4862
65	49.4024	0.0202	782.7483	0.0013	15.8443	0.0631	14.8288
70	66.6863	0.0150	1062.2574	0.0009	15.9292	0.0628	15.1060
75	90.0171	0.0111	1439.5553	0.0007	15.9920	0.0625	15.3291
80	121.5104	0.0082	1948.8543	0.0005	16.0386	0.0623	15.5078
85	164.0219	0.0061	2636.3359	0.0004	16.0731	0.0622	15.6503
90	221.4064	0.0045	3564.3390	0.0003	16.0986	0.0621	15.7633
95	298.8674	0.0033	4817.0122	0.0002	16.1176	0.0620	15.8527
100	403.4288	0.0025	6507.9442	0.0002	16.1316	0.0620	15.9232

n	Single Payment		Equal Payment Series				Uniform
	Compound-amount Factor	Present-worth Factor	Compound-amount Factor	Sinking-fund Factor	Present-worth Factor	Capital-recovery Factor	Gradient-Series Factor
	to find F given P F/P, i, n	to find P given F P/F, i, n	to find F given A F/A, i, n	to find A given F A/F, i, n	to find P given A P/A, i, n	to find A given P A/P, i, n	to find A given G A/G, i, n
1	1.0725	0.9324	1.0000	1.0000	0.9324	1.0725	0.0000
2	1.1503	0.8694	2.0725	0.4825	1.8018	0.5550	0.4825
3	1.2337	0.8106	3.2228	0.3103	2.6123	0.3828	0.9534
4	1.3231	0.7558	4.4565	0.2244	3.3681	0.2969	1.4126
5	1.4191	0.7047	5.7796	0.1730	4.0728	0.2455	1.8603
6	1.5220	0.6570	7.1987	0.1389	4.7299	0.2114	2.2964
7	1.6323	0.6126	8.7206	0.1147	5.3425	0.1872	2.7211
8	1.7507	0.5712	10.3529	0.0966	5.9137	0.1691	3.1344
9	1.8776	0.5326	12.1036	0.0826	6.4463	0.1551	3.5364
10	2.0138	0.4966	13.9812	0.0715	6.9429	0.1440	3.9272
11	2.1598	0.4630	15.9950	0.0625	7.4059	0.1350	4.3069
12	2.3164	0.4317	18.1547	0.0551	7.8376	0.1276	4.6755
13	2.4843	0.4025	20.4711	0.0488	8.2401	0.1214	5.0333
14	2.6645	0.3753	22.9554	0.0436	8.6154	0.1161	5.3804
15	2.8577	0.3499	25.6199	0.0390	8.9654	0.1115	5.7168
16	3.0649	0.3263	28.4775	0.0351	9.2916	0.1076	6.0428
17	3.2871	0.3042	31.5424	0.0317	9.5959	0.1042	6.3585
18	3.5254	0.2837	34.8295	0.0287	9.8795	0.1012	6.6640
19	3.7810	0.2645	38.3549	0.0261	10.1440	0.0986	6.9596
20	4.0552	0.2466	42.1359	0.0237	10.3906	0.0962	7.2453
21	4.3492	0.2299	46.1911	0.0216	10.6205	0.0942	7.5215
22	4.6646	0.2144	50.5404	0.0198	10.8349	0.0923	7.7881
23	5.0028	0.1999	55.2050	0.0181	11.0348	0.0906	8.0456
24	5.3656	0.1864	60.2078	0.0166	11.2212	0.0891	8.2940
25	5.7546	0.1738	65.5733	0.0153	11.3949	0.0878	8.5335
26	6.1719	0.1620	71.3279	0.0140	11.5570	0.0865	8.7643
27	6.6194	0.1511	77.4998	0.0129	11.7080	0.0854	8.9867
28	7.0993	0.1409	84.1192	0.0119	11.8489	0.0844	9.2009
29	7.6141	0.1313	91.2185	0.0110	11.9802	0.0835	9.4070
30	8.1662	0.1225	98.8326	0.0101	12.1027	0.0826	9.6052
31	8.7583	0.1142	106.9987	0.0093	12.2169	0.0819	9.7958
32	9.3933	0.1065	115.7570	0.0086	12.3233	0.0811	9.9790
33	10.0744	0.0993	125.1504	0.0080	12.4226	0.0805	10.1550
34	10.8049	0.0926	135.2248	0.0074	12.5151	0.0799	10.3239
35	11.5883	0.0863	146.0297	0.0068	12.6014	0.0794	10.4860
40	16.4446	0.0608	213.0056	0.0047	12.9529	0.0772	11.2017
45	23.3361	0.0429	308.0489	0.0032	13.2006	0.0758	11.7769
50	33.1155	0.0302	442.9218	0.0023	13.3751	0.0748	12.2347
55	46.9931	0.0213	634.3155	0.0016	13.4981	0.0741	12.5957
60	66.6863	0.0150	905.9161	0.0011	13.5847	0.0736	12.8781
65	94.6324	0.0106	1291.3358	0.0008	13.6458	0.0733	13.0973
70	134.2898	0.0074	1838.2723	0.0005	13.6888	0.0731	13.2664
75	190.5663	0.0052	2614.4121	0.0004	13.7192	0.0729	13.3959
80	270.4264	0.0037	3715.8070	0.0003	13.7405	0.0728	13.4946
85	383.7533	0.0026	5278.7607	0.0002	13.7556	0.0727	13.5695
90	544.5719	0.0018	7496.6976	0.0001	13.7662	0.0726	13.6260
95	772.7843	0.0013	10644.0999	0.0001	13.7737	0.0726	13.6685
100	1096.6332	0.0009	15110.4764	0.0001	13.7790	0.0726	13.7003

n	Single Payment		Equal Payment Series				Uniform
	Compound- amount Factor	Present- worth Factor	Compound- amount Factor	Sinking- fund Factor	Present- worth Factor	Capital- recovery Factor	Gradient- Series Factor
	to find F given P F/P, i, n	to find P given F P/F, i, n	to find F given A F/A, i, n	to find A given F A/F, i, n	to find P given A P/A, i, n	to find A given P A/P, i, n	to find A given G A/G, i, n
1	1.0833	0.9231	1.0000	1.0000	0.9231	1.0833	0.0000
2	1.1735	0.8521	2.0833	0.4800	1.7753	0.5633	0.4800
3	1.2712	0.7866	3.2568	0.3071	2.5619	0.3903	0.9467
4	1.3771	0.7261	4.5280	0.2208	3.2880	0.3041	1.4002
5	1.4918	0.6703	5.9052	0.1693	3.9584	0.2526	1.8404
6	1.6161	0.6188	7.3970	0.1352	4.5771	0.2185	2.2676
7	1.7507	0.5712	9.0131	0.1109	5.1483	0.1942	2.6817
8	1.8965	0.5273	10.7637	0.0929	5.6756	0.1762	3.0829
9	2.0544	0.4868	12.6602	0.0790	6.1624	0.1623	3.4713
10	2.2255	0.4493	14.7147	0.0680	6.6117	0.1512	3.8470
11	2.4109	0.4148	16.9402	0.0590	7.0265	0.1423	4.2102
12	2.6117	0.3829	19.3511	0.0517	7.4094	0.1350	4.5611
13	2.8292	0.3535	21.9628	0.0455	7.7629	0.1288	4.8998
14	3.0649	0.3263	24.7920	0.0403	8.0891	0.1236	5.2265
15	3.3201	0.3012	27.8569	0.0359	8.3903	0.1192	5.5415
16	3.5966	0.2780	31.1770	0.0321	8.6684	0.1154	5.8449
17	3.8962	0.2567	34.7736	0.0288	8.9250	0.1120	6.1369
18	4.2207	0.2369	38.6698	0.0259	9.1620	0.1091	6.4178
19	4.5722	0.2187	42.8905	0.0233	9.3807	0.1066	6.6879
20	4.9530	0.2019	47.4627	0.0211	9.5826	0.1044	6.9473
21	5.3656	0.1864	52.4158	0.0191	9.7689	0.1024	7.1963
22	5.8124	0.1720	57.7813	0.0173	9.9410	0.1006	7.4352
23	6.2965	0.1588	63.5938	0.0157	10.0998	0.0990	7.6642
24	6.8210	0.1466	69.8903	0.0143	10.2464	0.0976	7.8836
25	7.3891	0.1353	76.7113	0.0130	10.3817	0.0963	8.0937
26	8.0045	0.1249	84.1003	0.0119	10.5067	0.0952	8.2947
27	8.6711	0.1153	92.1048	0.0109	10.6220	0.0941	8.4870
28	9.3933	0.1065	100.7759	0.0099	10.7285	0.0932	8.6707
29	10.1757	0.0983	110.1693	0.0091	10.8267	0.0924	8.8461
30	11.0232	0.0907	120.3449	0.0083	10.9174	0.0916	9.0136
31	11.9413	0.0837	131.3681	0.0076	11.0012	0.0909	9.1734
32	12.9358	0.0773	143.3094	0.0070	11.0785	0.0903	9.3257
33	14.0132	0.0714	156.2452	0.0064	11.1499	0.0897	9.4708
34	15.1803	0.0659	170.2584	0.0059	11.2157	0.0892	9.6090
35	16.4446	0.0608	185.4387	0.0054	11.2765	0.0887	9.7405
40	24.5325	0.0408	282.5472	0.0035	11.5172	0.0868	10.3069
45	36.5982	0.0273	427.4161	0.0023	11.6786	0.0856	10.7426
50	54.5982	0.0183	643.5351	0.0016	11.7868	0.0848	11.0738
55	81.4509	0.0123	965.9467	0.0010	11.8593	0.0843	11.3230
60	121.5104	0.0082	1446.9283	0.0007	11.9079	0.0840	11.5088
65	181.2722	0.0055	2164.4686	0.0005	11.9404	0.0837	11.6461
70	270.4264	0.0037	3234.9129	0.0003	11.9623	0.0836	11.7469
75	403.4288	0.0025	4831.8281	0.0002	11.9769	0.0835	11.8203
80	601.8450	0.0017	7214.1457	0.0001	11.9867	0.0834	11.8735
85	897.8473	0.0011	10768.1458	0.0001	11.9933	0.0834	11.9119
90	1339.4308	0.0007	16070.0911	0.0001	11.9977	0.0833	11.9394
95	1998.1959	0.0005	23979.6640	0.0000	12.0007	0.0833	11.9591
100	2980.9580	0.0003	35779.3601	0.0000	12.0026	0.0833	11.9731

n	Single Payment		Equal Payment Series				Uniform
	Compound-amount Factor	Present-worth Factor	Compound-amount Factor	Sinking-fund Factor	Present-worth Factor	Capital-recovery Factor	Gradient-Series Factor
	to find F given P F/P, i, n	to find P given F P/F, i, n	to find F given A F/A, i, n	to find A given F A/F, i, n	to find P given A P/A, i, n	to find A given P A/P, i, n	to find A given G A/G, i, n
1	1.0942	0.9139	1.0000	1.0000	0.9139	1.0942	0.0000
2	1.1972	0.8353	2.0942	0.4775	1.7492	0.5717	0.4775
3	1.3100	0.7634	3.2914	0.3038	2.5126	0.3980	0.9401
4	1.4333	0.6977	4.6014	0.2173	3.2103	0.3115	1.3878
5	1.5683	0.6376	6.0347	0.1657	3.8479	0.2599	1.8206
6	1.7160	0.5827	7.6030	0.1315	4.4306	0.2257	2.2388
7	1.8776	0.5326	9.3190	0.1073	4.9632	0.2015	2.6424
8	2.0544	0.4868	11.1966	0.0893	5.4500	0.1835	3.0316
9	2.2479	0.4449	13.2510	0.0755	5.8948	0.1696	3.4065
10	2.4596	0.4066	15.4990	0.0645	6.3014	0.1587	3.7674
11	2.6912	0.3716	17.9586	0.0557	6.6730	0.1499	4.1145
12	2.9447	0.3396	20.6498	0.0484	7.0126	0.1426	4.4479
13	3.2220	0.3104	23.5945	0.0424	7.3229	0.1366	4.7680
14	3.5254	0.2837	26.8165	0.0373	7.6066	0.1315	5.0750
15	3.8574	0.2592	30.3419	0.0330	7.8658	0.1271	5.3691
16	4.2207	0.2369	34.1993	0.0292	8.1028	0.1234	5.6507
17	4.6182	0.2165	38.4200	0.0260	8.3193	0.1202	5.9201
18	5.0531	0.1979	43.0382	0.0232	8.5172	0.1174	6.1776
19	5.5290	0.1809	48.0913	0.0208	8.6981	0.1150	6.4234
20	6.0496	0.1653	53.6202	0.0186	8.8634	0.1128	6.6579
21	6.6194	0.1511	59.6699	0.0168	9.0144	0.1109	6.8815
22	7.2427	0.1381	66.2893	0.0151	9.1525	0.1093	7.0945
23	7.9248	0.1262	73.5320	0.0136	9.2787	0.1078	7.2972
24	8.6711	0.1153	81.4568	0.0123	9.3940	0.1065	7.4900
25	9.4877	0.1054	90.1280	0.0111	9.4994	0.1053	7.6732
26	10.3812	0.0963	99.6157	0.0100	9.5957	0.1042	7.8471
27	11.3589	0.0880	109.9969	0.0091	9.6838	0.1033	8.0122
28	12.4286	0.0805	121.3558	0.0082	9.7642	0.1024	8.1686
29	13.5991	0.0735	133.7844	0.0075	9.8378	0.1016	8.3168
30	14.8797	0.0672	147.3835	0.0068	9.9050	0.1010	8.4572
31	16.2810	0.0614	162.2632	0.0062	9.9664	0.1003	8.5899
32	17.8143	0.0561	178.5442	0.0056	10.0225	0.0998	8.7155
33	19.4919	0.0513	196.3585	0.0051	10.0738	0.0993	8.8340
34	21.3276	0.0469	215.8504	0.0046	10.1207	0.0988	8.9460
35	23.3361	0.0429	237.1780	0.0042	10.1636	0.0984	9.0516
40	36.5982	0.0273	378.0038	0.0026	10.3285	0.0968	9.4950
45	57.3975	0.0174	598.8626	0.0017	10.4336	0.0958	9.8207
50	90.0171	0.0111	945.2382	0.0011	10.5006	0.0952	10.0569
55	141.1750	0.0071	1488.4633	0.0007	10.5434	0.0948	10.2262
60	221.4064	0.0045	2340.4098	0.0004	10.5707	0.0946	10.3464
65	347.2344	0.0029	3676.5279	0.0003	10.5880	0.0944	10.4309
70	544.5719	0.0018	5771.9782	0.0002	10.5991	0.0943	10.4898
75	854.0588	0.0012	9058.2984	0.0001	10.6062	0.0943	10.5307
80	1339.4308	0.0007	14212.2744	0.0001	10.6107	0.0942	10.5588
85	2100.6456	0.0005	22295.3179	0.0000	10.6136	0.0942	10.5781
90	3294.4681	0.0003	34972.0534	0.0000	10.6154	0.0942	10.5913
95	5166.7544	0.0002	54853.1321	0.0000	10.6166	0.0942	10.6002
100	8103.0839	0.0001	86032.8702	0.0000	10.6173	0.0942	10.6063

n	Single Payment		Equal Payment Series				Uniform
	Compound-amount Factor	Present-worth Factor	Compound-amount Factor	Sinking-fund Factor	Present-worth Factor	Capital-recovery Factor	Gradient-Series Factor
	to find F given P F/P, i, n	to find P given F P/F, i, n	to find F given A F/A, i, n	to find A given F A/F, i, n	to find P given A P/A, i, n	to find A given P A/P, i, n	to find A given G A/G, i, n
1	1.1052	0.9048	1.0000	1.0000	0.9048	1.1052	0.0000
2	1.2214	0.8187	2.1052	0.4750	1.7236	0.5802	0.4750
3	1.3499	0.7408	3.3266	0.3006	2.4644	0.4058	0.9334
4	1.4918	0.6703	4.6764	0.2138	3.1347	0.3190	1.3754
5	1.6487	0.6065	6.1683	0.1621	3.7412	0.2673	1.8009
6	1.8221	0.5488	7.8170	0.1279	4.2900	0.2331	2.2101
7	2.0138	0.4966	9.6391	0.1037	4.7866	0.2089	2.6033
8	2.2255	0.4493	11.6528	0.0858	5.2360	0.1910	2.9806
9	2.4596	0.4066	13.8784	0.0721	5.6425	0.1772	3.3423
10	2.7183	0.3679	16.3380	0.0612	6.0104	0.1664	3.6886
11	3.0042	0.3329	19.0563	0.0525	6.3433	0.1576	4.0198
12	3.3201	0.3012	22.0604	0.0453	6.6445	0.1505	4.3362
13	3.6693	0.2725	25.3806	0.0394	6.9170	0.1446	4.6381
14	4.0552	0.2466	29.0499	0.0344	7.1636	0.1396	4.9260
15	4.4817	0.2231	33.1051	0.0302	7.3867	0.1354	5.2001
16	4.9530	0.2019	37.5867	0.0266	7.5886	0.1318	5.4608
17	5.4739	0.1827	42.5398	0.0235	7.7713	0.1287	5.7086
18	6.0496	0.1653	48.0137	0.0208	7.9366	0.1260	5.9437
19	6.6859	0.1496	54.0634	0.0185	8.0862	0.1237	6.1667
20	7.3891	0.1353	60.7493	0.0165	8.2215	0.1216	6.3780
21	8.1662	0.1225	68.1383	0.0147	8.3440	0.1198	6.5779
22	9.0250	0.1108	76.3045	0.0131	8.4548	0.1183	6.7669
23	9.9742	0.1003	85.3295	0.0117	8.5550	0.1169	6.9454
24	11.0232	0.0907	95.3037	0.0105	8.6458	0.1157	7.1139
25	12.1825	0.0821	106.3269	0.0094	8.7278	0.1146	7.2727
26	13.4637	0.0743	118.5094	0.0084	8.8021	0.1136	7.4223
27	14.8797	0.0672	131.9731	0.0076	8.8693	0.1127	7.5630
28	16.4446	0.0608	146.8528	0.0068	8.9301	0.1120	7.6954
29	18.1741	0.0550	163.2975	0.0061	8.9852	0.1113	7.8197
30	20.0855	0.0498	181.4716	0.0055	9.0349	0.1107	7.9365
31	22.1980	0.0450	201.5572	0.0050	9.0800	0.1101	8.0459
32	24.5325	0.0408	223.7551	0.0045	9.1208	0.1096	8.1485
33	27.1126	0.0369	248.2876	0.0040	9.1576	0.1092	8.2446
34	29.9641	0.0334	275.4003	0.0036	9.1910	0.1088	8.3345
35	33.1155	0.0302	305.3644	0.0033	9.2212	0.1084	8.4185
40	54.5982	0.0183	509.6290	0.0020	9.3342	0.1071	8.7620
45	90.0171	0.0111	846.4044	0.0012	9.4027	0.1064	9.0028
50	148.4132	0.0067	1401.6532	0.0007	9.4443	0.1059	9.1691
55	244.6919	0.0041	2317.1038	0.0004	9.4695	0.1056	9.2826
60	403.4288	0.0025	3826.4266	0.0003	9.4848	0.1054	9.3592
65	665.1416	0.0015	6314.8791	0.0002	9.4940	0.1053	9.4105
70	1096.6332	0.0009	10417.6438	0.0001	9.4997	0.1053	9.4444
75	1808.0424	0.0006	17181.9591	0.0001	9.5031	0.1052	9.4668
80	2980.9580	0.0003	28334.4297	0.0000	9.5051	0.1052	9.4815
85	4914.7688	0.0002	46721.7452	0.0000	9.5064	0.1052	9.4910
90	8103.0839	0.0001	77037.3034	0.0000	9.5072	0.1052	9.4972
95	13359.7268	0.0001	127019.2091	0.0000	9.5076	0.1052	9.5012
100	22026.4658	0.0000	209425.4400	0.0000	9.5079	0.1052	9.5038

n	Single Payment		Equal Payment Series				Uniform
	Compound- amount Factor	Present- worth Factor	Compound- amount Factor	Sinking- fund Factor	Present- worth Factor	Capital- recovery Factor	Gradient- Series Factor
	to find F given P F/P, i, n	to find P given F P/F, i, n	to find F given A F/A, i, n	to find A given F A/F, i, n	to find P given A P/A, i, n	to find A given P A/P, i, n	to find A given G A/G, i, n
1	1.1163	0.8958	1.0000	1.0000	0.8958	1.1163	0.0000
2	1.2461	0.8025	2.1163	0.4725	1.6984	0.5888	0.4725
3	1.3910	0.7189	3.3624	0.2974	2.4173	0.4137	0.9268
4	1.5527	0.6440	4.7533	0.2104	3.0613	0.3267	1.3630
5	1.7333	0.5769	6.3060	0.1586	3.6383	0.2749	1.7811
6	1.9348	0.5169	8.0393	0.1244	4.1551	0.2407	2.1815
7	2.1598	0.4630	9.9741	0.1003	4.6181	0.2165	2.5644
8	2.4109	0.4148	12.1338	0.0824	5.0329	0.1987	2.9299
9	2.6912	0.3716	14.5447	0.0688	5.4045	0.1850	3.2785
10	3.0042	0.3329	17.2360	0.0580	5.7374	0.1743	3.6105
11	3.3535	0.2982	20.2401	0.0494	6.0356	0.1657	3.9262
12	3.7434	0.2671	23.5936	0.0424	6.3027	0.1587	4.2260
13	4.1787	0.2393	27.3370	0.0366	6.5420	0.1529	4.5104
14	4.6646	0.2144	31.5157	0.0317	6.7564	0.1480	4.7797
15	5.2070	0.1920	36.1803	0.0276	6.9484	0.1439	5.0346
16	5.8124	0.1720	41.3873	0.0242	7.1205	0.1404	5.2754
17	6.4883	0.1541	47.1998	0.0212	7.2746	0.1375	5.5026
18	7.2427	0.1381	53.6881	0.0186	7.4127	0.1349	5.7167
19	8.0849	0.1237	60.9308	0.0164	7.5364	0.1327	5.9183
20	9.0250	0.1108	69.0157	0.0145	7.6472	0.1308	6.1079
21	10.0744	0.0993	78.0407	0.0128	7.7464	0.1291	6.2859
22	11.2459	0.0889	88.1151	0.0113	7.8353	0.1276	6.4529
23	12.5535	0.0797	99.3610	0.0101	7.9150	0.1263	6.6093
24	14.0132	0.0714	111.9145	0.0089	7.9864	0.1252	6.7558
25	15.6426	0.0639	125.9277	0.0079	8.0503	0.1242	6.8927
26	17.4615	0.0573	141.5703	0.0071	8.1076	0.1233	7.0206
27	19.4919	0.0513	159.0319	0.0063	8.1589	0.1226	7.1400
28	21.7584	0.0460	178.5238	0.0056	8.2048	0.1219	7.2512
29	24.2884	0.0412	200.2822	0.0050	8.2460	0.1213	7.3548
30	27.1126	0.0369	224.5706	0.0045	8.2829	0.1207	7.4512
31	30.2652	0.0330	251.6833	0.0040	8.3159	0.1203	7.5408
32	33.7844	0.0296	281.9485	0.0035	8.3455	0.1198	7.6240
33	37.7128	0.0265	315.7329	0.0032	8.3720	0.1194	7.7012
34	42.0980	0.0238	353.4458	0.0028	8.3958	0.1191	7.7728
35	46.9931	0.0213	395.5437	0.0025	8.4171	0.1188	7.8391
40	81.4509	0.0123	691.8834	0.0014	8.4945	0.1177	8.1029
45	141.1750	0.0071	1205.5150	0.0008	8.5392	0.1171	8.2790
50	244.6919	0.0041	2095.7686	0.0005	8.5649	0.1168	8.3949
55	424.1130	0.0024	3638.8033	0.0003	8.5798	0.1166	8.4701
60	735.0952	0.0014	6313.2729	0.0002	8.5884	0.1164	8.5183
65	1274.1060	0.0008	10948.8053	0.0001	8.5933	0.1164	8.5490
70	2208.3480	0.0005	18983.3559	0.0001	8.5962	0.1163	8.5684
75	3827.6258	0.0003	32909.2649	0.0000	8.5978	0.1163	8.5805
80	6634.2440	0.0002	57046.3887	0.0000	8.5988	0.1163	8.5880
85	11498.8234	0.0001	98882.1314	0.0000	8.5993	0.1163	8.5927
90	19930.3704	0.0001	171394.0587	0.0000	8.5996	0.1163	8.5956
95	34544.3747	0.0000	297075.5756	0.0000	8.5998	0.1163	8.5973
100	59874.1417	0.0000	514913.4439	0.0000	8.5999	0.1163	8.5984

n	Single Payment		Equal Payment Series				Uniform
	Compound- amount Factor	Present- worth Factor	Compound- amount Factor	Sinking- fund Factor	Present- worth Factor	Capital- recovery Factor	Gradient- Series Factor
	to find F given P F/P, i, n	to find P given F P/F, i, n	to find F given A F/A, i, n	to find A given F A/F, i, n	to find P given A P/A, i, n	to find A given P A/P, i, n	to find A given G A/G, i, n
1	1.1275	0.8869	1.0000	1.0000	0.8869	1.1275	0.0000
2	1.2712	0.7866	2.1275	0.4700	1.6735	0.5975	0.4700
3	1.4333	0.6977	3.3987	0.2942	2.3712	0.4217	0.9202
4	1.6161	0.6188	4.8321	0.2070	2.9900	0.3344	1.3506
5	1.8221	0.5488	6.4481	0.1551	3.5388	0.2826	1.7615
6	2.0544	0.4868	8.2703	0.1209	4.0256	0.2484	2.1531
7	2.3164	0.4317	10.3247	0.0969	4.4573	0.2244	2.5257
8	2.6117	0.3829	12.6411	0.0791	4.8402	0.2066	2.8796
9	2.9447	0.3396	15.2528	0.0656	5.1798	0.1931	3.2153
10	3.3201	0.3012	18.1974	0.0550	5.4810	0.1824	3.5332
11	3.7434	0.2671	21.5176	0.0465	5.7481	0.1740	3.8337
12	4.2207	0.2369	25.2610	0.0396	5.9850	0.1671	4.1174
13	4.7588	0.2101	29.4817	0.0339	6.1952	0.1614	4.3848
14	5.3656	0.1864	34.2405	0.0292	6.3815	0.1567	4.6364
15	6.0496	0.1653	39.6061	0.0252	6.5468	0.1527	4.8728
16	6.8210	0.1466	45.6557	0.0219	6.6934	0.1494	5.0946
17	7.6906	0.1300	52.4767	0.0191	6.8235	0.1466	5.3025
18	8.6711	0.1153	60.1673	0.0166	6.9388	0.1441	5.4969
19	9.7767	0.1023	68.8384	0.0145	7.0411	0.1420	5.6785
20	11.0232	0.0907	78.6151	0.0127	7.1318	0.1402	5.8480
21	12.4286	0.0805	89.6383	0.0112	7.2123	0.1387	6.0058
22	14.0132	0.0714	102.0669	0.0098	7.2836	0.1373	6.1527
23	15.7998	0.0633	116.0801	0.0086	7.3469	0.1361	6.2893
24	17.8143	0.0561	131.8799	0.0076	7.4030	0.1351	6.4160
25	20.0855	0.0498	149.6942	0.0067	7.4528	0.1342	6.5334
26	22.6464	0.0442	169.7797	0.0059	7.4970	0.1334	6.6422
27	25.5337	0.0392	192.4261	0.0052	7.5362	0.1327	6.7428
28	28.7892	0.0347	217.9598	0.0046	7.5709	0.1321	6.8357
29	32.4597	0.0308	246.7490	0.0041	7.6017	0.1315	6.9215
30	36.5982	0.0273	279.2087	0.0036	7.6290	0.1311	7.0006
31	41.2644	0.0242	315.8070	0.0032	7.6533	0.1307	7.0734
32	46.5255	0.0215	357.0714	0.0028	7.6747	0.1303	7.1404
33	52.4573	0.0191	403.5968	0.0025	7.6938	0.1300	7.2020
34	59.1455	0.0169	456.0542	0.0022	7.7107	0.1297	7.2586
35	66.6863	0.0150	515.1996	0.0019	7.7257	0.1294	7.3105
40	121.5104	0.0082	945.2031	0.0011	7.7788	0.1286	7.5114
45	221.4064	0.0045	1728.7205	0.0006	7.8079	0.1281	7.6392
50	403.4288	0.0025	3156.3822	0.0003	7.8239	0.1278	7.7191
55	735.0952	0.0014	5757.7515	0.0002	7.8327	0.1277	7.7684
60	1339.4308	0.0007	10497.7554	0.0001	7.8375	0.1276	7.7985
65	2440.6020	0.0004	19134.6057	0.0001	7.8401	0.1275	7.8167
70	4447.0667	0.0002	34871.9729	0.0000	7.8416	0.1275	7.8276
75	8103.0839	0.0001	63547.3255	0.0000	7.8424	0.1275	7.8341
80	14764.7816	0.0001	115797.2247	0.0000	7.8428	0.1275	7.8379
85	26903.1861	0.0000	211002.7482	0.0000	7.8430	0.1275	7.8402
90	49020.8011	0.0000	384478.5226	0.0000	7.8432	0.1275	7.8415
95	89321.7234	0.0000	700571.9926	0.0000	7.8432	0.1275	7.8423
100	162754.7914	0.0000	1276531.8469	0.0000	7.8433	0.1275	7.8427

n	Single Payment		Equal Payment Series				Uniform
	Compound-amount Factor	Present-worth Factor	Compound-amount Factor	Sinking-fund Factor	Present-worth Factor	Capital-recovery Factor	Gradient-Series Factor
	to find F given P F/P, i, n	to find P given F P/F, i, n	to find F given A F/A, i, n	to find A given F A/F, i, n	to find P given A P/A, i, n	to find A given P A/P, i, n	to find A given G A/G, i, n
1	1.1388	0.8781	1.0000	1.0000	0.8781	1.1388	0.0000
2	1.2969	0.7711	2.1388	0.4675	1.6491	0.6064	0.4675
3	1.4770	0.6771	3.4358	0.2911	2.3262	0.4299	0.9136
4	1.6820	0.5945	4.9127	0.2036	2.9207	0.3424	1.3383
5	1.9155	0.5220	6.5948	0.1516	3.4428	0.2905	1.7419
6	2.1815	0.4584	8.5103	0.1175	3.9012	0.2563	2.1247
7	2.4843	0.4025	10.6918	0.0935	4.3037	0.2324	2.4872
8	2.8292	0.3535	13.1761	0.0759	4.6572	0.2147	2.8297
9	3.2220	0.3104	16.0053	0.0625	4.9675	0.2013	3.1527
10	3.6693	0.2725	19.2273	0.0520	5.2401	0.1908	3.4568
11	4.1787	0.2393	22.8966	0.0437	5.4794	0.1825	3.7426
12	4.7588	0.2101	27.0753	0.0369	5.6895	0.1758	4.0106
13	5.4195	0.1845	31.8341	0.0314	5.8740	0.1702	4.2616
14	6.1719	0.1620	37.2536	0.0268	6.0360	0.1657	4.4962
15	7.0287	0.1423	43.4255	0.0230	6.1783	0.1619	4.7150
16	8.0045	0.1249	50.4542	0.0198	6.3032	0.1586	4.9189
17	9.1157	0.1097	58.4586	0.0171	6.4129	0.1559	5.1084
18	10.3812	0.0963	67.5743	0.0148	6.5093	0.1536	5.2844
19	11.8224	0.0846	77.9556	0.0128	6.5939	0.1517	5.4475
20	13.4637	0.0743	89.7780	0.0111	6.6681	0.1500	5.5985
21	15.3329	0.0652	103.2418	0.0097	6.7334	0.1485	5.7380
22	17.4615	0.0573	118.5746	0.0084	6.7906	0.1473	5.8667
23	19.8857	0.0503	136.0362	0.0074	6.8409	0.1462	5.9853
24	22.6464	0.0442	155.9219	0.0064	6.8851	0.1452	6.0944
25	25.7903	0.0388	178.5682	0.0056	6.9238	0.1444	6.1947
26	29.3708	0.0340	204.3586	0.0049	6.9579	0.1437	6.2867
27	33.4483	0.0299	233.7293	0.0043	6.9878	0.1431	6.3710
28	38.0918	0.0263	267.1776	0.0037	7.0140	0.1426	6.4483
29	43.3801	0.0231	305.2695	0.0033	7.0371	0.1421	6.5189
30	49.4024	0.0202	348.6495	0.0029	7.0573	0.1417	6.5833
31	56.2609	0.0178	398.0520	0.0025	7.0751	0.1413	6.6422
32	64.0715	0.0156	454.3129	0.0022	7.0907	0.1410	6.6958
33	72.9665	0.0137	518.3844	0.0019	7.1044	0.1408	6.7446
34	83.0963	0.0120	591.3509	0.0017	7.1165	0.1405	6.7890
35	94.6324	0.0106	674.4472	0.0015	7.1270	0.1403	6.8293
40	181.2722	0.0055	1298.5258	0.0008	7.1634	0.1396	6.9813
45	347.2344	0.0029	2493.9740	0.0004	7.1824	0.1392	7.0732
50	665.1416	0.0015	4783.9038	0.0002	7.1923	0.1390	7.1279
55	1274.1060	0.0008	9170.3579	0.0001	7.1975	0.1389	7.1599
60	2440.6020	0.0004	17572.7897	0.0001	7.2002	0.1389	7.1785
65	4675.0727	0.0002	33667.9908	0.0000	7.2016	0.1389	7.1892
70	8955.2927	0.0001	64499.0058	0.0000	7.2023	0.1388	7.1953
75	17154.2288	0.0001	123557.0738	0.0000	7.2027	0.1388	7.1988
80	32859.6257	0.0000	236685.2144	0.0000	7.2029	0.1388	7.2007
85	62943.9546	0.0000	453386.7866	0.0000	7.2030	0.1388	7.2018
90	120571.7150	0.0000	868487.4958	0.0000	7.2031	0.1388	7.2024
95	230960.0429	0.0000	1663629.8526	0.0000	7.2031	0.1388	7.2027
100	442413.3920	0.0000	3186757.5017	0.0000	7.2031	0.1388	7.2029

n	Single Payment		Equal Payment Series				Uniform
	Compound-amount Factor	Present-worth Factor	Compound-amount Factor	Sinking-fund Factor	Present-worth Factor	Capital-recovery Factor	Gradient-Series Factor
	to find F given P F/P, i, n	to find P given F P/F, i, n	to find F given A F/A, i, n	to find A given F A/F, i, n	to find P given A P/A, i, n	to find A given P A/P, i, n	to find A given G A/G, i, n
1	1.1503	0.8694	1.0000	1.0000	0.8694	1.1503	0.0000
2	1.3231	0.7558	2.1503	0.4651	1.6251	0.6153	0.4651
3	1.5220	0.6570	3.4734	0.2879	2.2822	0.4382	0.9070
4	1.7507	0.5712	4.9954	0.2002	2.8534	0.3505	1.3260
5	2.0138	0.4966	6.7460	0.1482	3.3500	0.2985	1.7224
6	2.3164	0.4317	8.7598	0.1142	3.7817	0.2644	2.0965
7	2.6645	0.3753	11.0762	0.0903	4.1570	0.2406	2.4489
8	3.0649	0.3263	13.7406	0.0728	4.4833	0.2231	2.7802
9	3.5254	0.2837	16.8055	0.0595	4.7669	0.2098	3.0908
10	4.0552	0.2466	20.3309	0.0492	5.0135	0.1995	3.3814
11	4.6646	0.2144	24.3861	0.0410	5.2279	0.1913	3.6528
12	5.3656	0.1864	29.0507	0.0344	5.4143	0.1847	3.9057
13	6.1719	0.1620	34.4162	0.0291	5.5763	0.1793	4.1409
14	7.0993	0.1409	40.5881	0.0246	5.7172	0.1749	4.3592
15	8.1662	0.1225	47.6874	0.0210	5.8396	0.1712	4.5614
16	9.3933	0.1065	55.8536	0.0179	5.9461	0.1682	4.7482
17	10.8049	0.0926	65.2469	0.0153	6.0386	0.1656	4.9207
18	12.4286	0.0805	76.0518	0.0131	6.1191	0.1634	5.0795
19	14.2963	0.0699	88.4804	0.0113	6.1890	0.1616	5.2255
20	16.4446	0.0608	102.7767	0.0097	6.2499	0.1600	5.3596
21	18.9158	0.0529	119.2214	0.0084	6.3027	0.1587	5.4824
22	21.7584	0.0460	138.1372	0.0072	6.3487	0.1575	5.5947
23	25.0281	0.0400	159.8956	0.0063	6.3886	0.1565	5.6973
24	28.7892	0.0347	184.9237	0.0054	6.4234	0.1557	5.7909
25	33.1155	0.0302	213.7129	0.0047	6.4536	0.1550	5.8761
26	38.0918	0.0263	246.8284	0.0041	6.4798	0.1543	5.9536
27	43.8160	0.0228	284.9202	0.0035	6.5026	0.1538	6.0239
28	50.4004	0.0198	328.7362	0.0030	6.5225	0.1533	6.0877
29	57.9743	0.0172	379.1367	0.0026	6.5397	0.1529	6.1455
30	66.6863	0.0150	437.1110	0.0023	6.5547	0.1526	6.1978
31	76.7075	0.0130	503.7973	0.0020	6.5678	0.1523	6.2450
32	88.2347	0.0113	580.5049	0.0017	6.5791	0.1520	6.2877
33	101.4940	0.0099	668.7395	0.0015	6.5890	0.1518	6.3261
34	116.7459	0.0086	770.2336	0.0013	6.5975	0.1516	6.3608
35	134.2898	0.0074	886.9795	0.0011	6.6050	0.1514	6.3919
40	270.4264	0.0037	1792.9034	0.0006	6.6299	0.1508	6.5061
45	544.5719	0.0018	3617.2101	0.0003	6.6423	0.1506	6.5717
50	1096.6332	0.0009	7290.9128	0.0001	6.6485	0.1504	6.6089
55	2208.3480	0.0005	14688.8414	0.0001	6.6515	0.1503	6.6296
60	4447.0667	0.0002	29586.4401	0.0000	6.6530	0.1503	6.6410
65	8955.2927	0.0001	59586.5199	0.0000	6.6538	0.1503	6.6473
70	18033.7449	0.0001	119999.2618	0.0000	6.6542	0.1503	6.6506
75	36315.5027	0.0000	241655.5843	0.0000	6.6543	0.1503	6.6525
80	73130.4418	0.0000	486641.3333	0.0000	6.6544	0.1503	6.6534
85	147266.6252	0.0000	979982.0485	0.0000	6.6545	0.1503	6.6539
90	296558.5653	0.0000	1973448.2495	0.0000	6.6545	0.1503	6.6542
95	597195.6138	0.0000	3974043.5015	0.0000	6.6545	0.1503	6.6544
100	1202604.2842	0.0000	8002747.6068	0.0000	6.6545	0.1503	6.6544

n	Single Payment		Equal Payment Series				Uniform
	Compound- amount Factor	Present- worth Factor	Compound- amount Factor	Sinking- fund Factor	Present- worth Factor	Capital- recovery Factor	Gradient- Series Factor
	to find F given P F/P, i, n	to find P given F P/F, i, n	to find F given A F/A, i, n	to find A given F A/F, i, n	to find P given A P/A, i, n	to find A given P A/P, i, n	to find A given G A/G, i, n
1	1.1618	0.8607	1.0000	1.0000	0.8607	1.1618	0.0000
2	1.3499	0.7408	2.1618	0.4626	1.6015	0.6244	0.4626
3	1.5683	0.6376	3.5117	0.2848	2.2392	0.4466	0.9004
4	1.8221	0.5488	5.0800	0.1969	2.7880	0.3587	1.3137
5	2.1170	0.4724	6.9021	0.1449	3.2603	0.3067	1.7029
6	2.4596	0.4066	9.0191	0.1109	3.6669	0.2727	2.0685
7	2.8577	0.3499	11.4787	0.0871	4.0168	0.2490	2.4110
8	3.3201	0.3012	14.3364	0.0698	4.3180	0.2316	2.7311
9	3.8574	0.2592	17.6565	0.0566	4.5773	0.2185	3.0295
10	4.4817	0.2231	21.5139	0.0465	4.8004	0.2083	3.3070
11	5.2070	0.1920	25.9956	0.0385	4.9925	0.2003	3.5645
12	6.0496	0.1653	31.2026	0.0320	5.1578	0.1939	3.8028
13	7.0287	0.1423	37.2522	0.0268	5.3000	0.1887	4.0228
14	8.1662	0.1225	44.2809	0.0226	5.4225	0.1844	4.2255
15	9.4877	0.1054	52.4471	0.0191	5.5279	0.1809	4.4119
16	11.0232	0.0907	61.9348	0.0161	5.6186	0.1780	4.5829
17	12.8071	0.0781	72.9580	0.0137	5.6967	0.1755	4.7394
18	14.8797	0.0672	85.7651	0.0117	5.7639	0.1735	4.8823
19	17.2878	0.0578	100.6448	0.0099	5.8217	0.1718	5.0126
20	20.0855	0.0498	117.9326	0.0085	5.8715	0.1703	5.1312
21	23.3361	0.0429	138.0182	0.0072	5.9144	0.1691	5.2390
22	27.1126	0.0369	161.3542	0.0062	5.9513	0.1680	5.3367
23	31.5004	0.0317	188.4669	0.0053	5.9830	0.1671	5.4251
24	36.5982	0.0273	219.9673	0.0045	6.0103	0.1664	5.5050
25	42.5211	0.0235	256.5655	0.0039	6.0338	0.1657	5.5771
26	49.4024	0.0202	299.0866	0.0033	6.0541	0.1652	5.6420
27	57.3975	0.0174	348.4890	0.0029	6.0715	0.1647	5.7004
28	66.6863	0.0150	405.8865	0.0025	6.0865	0.1643	5.7529
29	77.4785	0.0129	472.5728	0.0021	6.0994	0.1640	5.8000
30	90.0171	0.0111	550.0513	0.0018	6.1105	0.1637	5.8421
31	104.5850	0.0096	640.0684	0.0016	6.1201	0.1634	5.8799
32	121.5104	0.0082	744.6534	0.0013	6.1283	0.1632	5.9136
33	141.1750	0.0071	866.1638	0.0012	6.1354	0.1630	5.9437
34	164.0219	0.0061	1007.3388	0.0010	6.1415	0.1628	5.9706
35	190.5663	0.0052	1171.3607	0.0009	6.1467	0.1627	5.9945
40	403.4288	0.0025	2486.6727	0.0004	6.1638	0.1622	6.0798
45	854.0588	0.0012	5271.1883	0.0002	6.1719	0.1620	6.1264
50	1808.0424	0.0006	11166.0078	0.0001	6.1757	0.1619	6.1515
55	3827.6258	0.0003	23645.3408	0.0000	6.1775	0.1619	6.1648
60	8103.0839	0.0001	50064.0890	0.0000	6.1784	0.1619	6.1718
65	17154.2288	0.0001	105992.5793	0.0000	6.1788	0.1618	6.1754
70	36315.5027	0.0000	224393.1943	0.0000	6.1790	0.1618	6.1772
75	76879.9198	0.0000	475047.2982	0.0000	6.1791	0.1618	6.1782
80	162754.7914	0.0000	1005682.0403	0.0000	6.1791	0.1618	6.1787
85	344551.8961	0.0000	2129035.7982	0.0000	6.1791	0.1618	6.1789
90	729416.3698	0.0000	4507175.7222	0.0000	6.1792	0.1618	6.1790
95	1544174.4671	0.0000	9541697.9809	0.0000	6.1792	0.1618	6.1791
100	3269017.3725	0.0000	20199781.6863	0.0000	6.1792	0.1618	6.1791

n	Single Payment		Equal Payment Series				Uniform
	Compound- amount Factor	Present- worth Factor	Compound- amount Factor	Sinking- fund Factor	Present- worth Factor	Capital- recovery Factor	Gradient- Series Factor
	to find F given P F/P, i, n	to find P given F P/F, i, n	to find F given A F/A, i, n	to find A given F A/F, i, n	to find P given A P/A, i, n	to find A given P A/P, i, n	to find A given G A/G, i, n
1	1.1735	0.8521	1.0000	1.0000	0.8521	1.1735	0.0000
2	1.3771	0.7261	2.1735	0.4601	1.5783	0.6336	0.4601
3	1.6161	0.6188	3.5506	0.2816	2.1971	0.4552	0.8938
4	1.8965	0.5273	5.1667	0.1935	2.7244	0.3671	1.3014
5	2.2255	0.4493	7.0632	0.1416	3.1737	0.3151	1.6835
6	2.6117	0.3829	9.2887	0.1077	3.5566	0.2812	2.0405
7	3.0649	0.3263	11.9004	0.0840	3.8829	0.2575	2.3733
8	3.5966	0.2780	14.9653	0.0668	4.1609	0.2403	2.6824
9	4.2207	0.2369	18.5619	0.0539	4.3978	0.2274	2.9689
10	4.9530	0.2019	22.7826	0.0439	4.5997	0.2174	3.2336
11	5.8124	0.1720	27.7357	0.0361	4.7718	0.2096	3.4776
12	6.8210	0.1466	33.5481	0.0298	4.9184	0.2033	3.7018
13	8.0045	0.1249	40.3690	0.0248	5.0433	0.1983	3.9074
14	9.3933	0.1065	48.3735	0.0207	5.1498	0.1942	4.0953
15	11.0232	0.0907	57.7668	0.0173	5.2405	0.1908	4.2668
16	12.9358	0.0773	68.7900	0.0145	5.3178	0.1880	4.4228
17	15.1803	0.0659	81.7258	0.0122	5.3837	0.1857	4.5645
18	17.8143	0.0561	96.9062	0.0103	5.4398	0.1838	4.6928
19	20.9052	0.0478	114.7204	0.0087	5.4876	0.1822	4.8088
20	24.5325	0.0408	135.6257	0.0074	5.5284	0.1809	4.9134
21	28.7892	0.0347	160.1582	0.0062	5.5631	0.1798	5.0076
22	33.7844	0.0296	188.9474	0.0053	5.5927	0.1788	5.0923
23	39.6464	0.0252	222.7318	0.0045	5.6180	0.1780	5.1682
24	46.5255	0.0215	262.3782	0.0038	5.6395	0.1773	5.2362
25	54.5982	0.0183	308.9037	0.0032	5.6578	0.1767	5.2969
26	64.0715	0.0156	363.5018	0.0028	5.6734	0.1763	5.3511
27	75.1886	0.0133	427.5734	0.0023	5.6867	0.1758	5.3994
28	88.2347	0.0113	502.7620	0.0020	5.6980	0.1755	5.4424
29	103.5443	0.0097	590.9967	0.0017	5.7077	0.1752	5.4805
30	121.5104	0.0082	694.5410	0.0014	5.7159	0.1750	5.5144
31	142.5938	0.0070	816.0514	0.0012	5.7229	0.1747	5.5444
32	167.3354	0.0060	958.6452	0.0010	5.7289	0.1746	5.5709
33	196.3699	0.0051	1125.9806	0.0009	5.7340	0.1744	5.5944
34	230.4422	0.0043	1322.3505	0.0008	5.7383	0.1743	5.6151
35	270.4264	0.0037	1552.7927	0.0006	5.7420	0.1742	5.6334
40	601.8450	0.0017	3462.8668	0.0003	5.7538	0.1738	5.6968
45	1339.4308	0.0007	7713.8150	0.0001	5.7590	0.1736	5.7297
50	2980.9580	0.0003	17174.4743	0.0001	5.7614	0.1736	5.7465
55	6634.2440	0.0002	38229.5586	0.0000	5.7625	0.1735	5.7550
60	14764.7816	0.0001	85088.5105	0.0000	5.7629	0.1735	5.7593
65	32859.6257	0.0000	189375.0258	0.0000	5.7632	0.1735	5.7613
70	73130.4418	0.0000	421468.9340	0.0000	5.7632	0.1735	5.7624
75	162754.7914	0.0000	938003.4259	0.0000	5.7633	0.1735	5.7629
80	362217.4496	0.0000	2087572.0786	0.0000	5.7633	0.1735	5.7631
85	806129.7591	0.0000	4645984.1652	0.0000	5.7633	0.1735	5.7632
90	1794074.7726	0.0000	10339834.9761	0.0000	5.7633	0.1735	5.7633
95	3992786.8352	0.0000	23011732.9963	0.0000	5.7633	0.1735	5.7633
100	8886110.5205	0.0000	51213560.6819	0.0000	5.7633	0.1735	5.7633

n	Single Payment		Equal Payment Series				Uniform
	Compound- amount Factor	Present- worth Factor	Compound- amount Factor	Sinking- fund Factor	Present- worth Factor	Capital- recovery Factor	Gradient- Series Factor
	to find F given P F/P, i, n	to find P given F P/F, i, n	to find F given A F/A, i, n	to find A given F A/F, i, n	to find P given A P/A, i, n	to find A given P A/P, i, n	to find A given G A/G, i, n
1	1.1853	0.8437	1.0000	1.0000	0.8437	1.1853	0.0000
2	1.4049	0.7118	2.1853	0.4576	1.5554	0.6429	0.4576
3	1.6653	0.6005	3.5903	0.2785	2.1559	0.4638	0.8872
4	1.9739	0.5066	5.2555	0.1903	2.6625	0.3756	1.2892
5	2.3396	0.4274	7.2294	0.1383	3.0900	0.3236	1.6642
6	2.7732	0.3606	9.5691	0.1045	3.4506	0.2898	2.0128
7	3.2871	0.3042	12.3423	0.0810	3.7548	0.2663	2.3358
8	3.8962	0.2567	15.6293	0.0640	4.0114	0.2493	2.6343
9	4.6182	0.2165	19.5255	0.0512	4.2280	0.2365	2.9091
10	5.4739	0.1827	24.1437	0.0414	4.4107	0.2267	3.1614
11	6.4883	0.1541	29.6177	0.0338	4.5648	0.2191	3.3922
12	7.6906	0.1300	36.1060	0.0277	4.6948	0.2130	3.6030
13	9.1157	0.1097	43.7966	0.0228	4.8045	0.2081	3.7947
14	10.8049	0.0926	52.9123	0.0189	4.8971	0.2042	3.9687
15	12.8071	0.0781	63.7172	0.0157	4.9751	0.2010	4.1261
16	15.1803	0.0659	76.5243	0.0131	5.0410	0.1984	4.2682
17	17.9933	0.0556	91.7046	0.0109	5.0966	0.1962	4.3961
18	21.3276	0.0469	109.6979	0.0091	5.1435	0.1944	4.5110
19	25.2797	0.0396	131.0255	0.0076	5.1830	0.1929	4.6140
20	29.9641	0.0334	156.3051	0.0064	5.2164	0.1917	4.7060
21	35.5166	0.0282	186.2692	0.0054	5.2446	0.1907	4.7881
22	42.0980	0.0238	221.7858	0.0045	5.2683	0.1898	4.8612
23	49.8990	0.0200	263.8838	0.0038	5.2884	0.1891	4.9262
24	59.1455	0.0169	313.7828	0.0032	5.3053	0.1885	4.9838
25	70.1054	0.0143	372.9282	0.0027	5.3195	0.1880	5.0347
26	83.0963	0.0120	443.0337	0.0023	5.3316	0.1876	5.0798
27	98.4944	0.0102	526.1299	0.0019	5.3417	0.1872	5.1196
28	116.7459	0.0086	624.6244	0.0016	5.3503	0.1869	5.1546
29	138.3795	0.0072	741.3703	0.0013	5.3575	0.1867	5.1854
30	164.0219	0.0061	879.7498	0.0011	5.3636	0.1864	5.2125
31	194.4160	0.0051	1043.7717	0.0010	5.3688	0.1863	5.2362
32	230.4422	0.0043	1238.1877	0.0008	5.3731	0.1861	5.2570
33	273.1442	0.0037	1468.6299	0.0007	5.3768	0.1860	5.2753
34	323.7592	0.0031	1741.7741	0.0006	5.3798	0.1859	5.2912
35	383.7533	0.0026	2065.5333	0.0005	5.3825	0.1858	5.3051
40	897.8473	0.0011	4839.8479	0.0002	5.3905	0.1855	5.3519
45	2100.6456	0.0005	11330.7643	0.0001	5.3939	0.1854	5.3751
50	4914.7688	0.0002	26517.2164	0.0000	5.3954	0.1853	5.3863
55	11498.8234	0.0001	62048.1513	0.0000	5.3960	0.1853	5.3917
60	26903.1861	0.0000	145177.9912	0.0000	5.3963	0.1853	5.3943
65	62943.9546	0.0000	339672.4595	0.0000	5.3964	0.1853	5.3955
70	147266.6252	0.0000	794720.8300	0.0000	5.3965	0.1853	5.3960
75	344551.8961	0.0000	1859373.3174	0.0000	5.3965	0.1853	5.3963
80	806129.7591	0.0000	4350284.1581	0.0000	5.3965	0.1853	5.3964
85	1886058.9532	0.0000	10178135.8650	0.0000	5.3965	0.1853	5.3965
90	4412711.8924	0.0000	23813250.7644	0.0000	5.3965	0.1853	5.3965
95	10324187.4874	0.0000	55714604.4145	0.0000	5.3965	0.1853	5.3965
100	24154952.7536	0.0000	130352506.0540	0.0000	5.3965	0.1853	5.3965

n	Single Payment		Equal Payment Series				Uniform
	Compound- amount Factor	Present- worth Factor	Compound- amount Factor	Sinking- fund Factor	Present- worth Factor	Capital- recovery Factor	Gradient- Series Factor
	to find F given P F/P, i, n	to find P given F P/F, i, n	to find F given A F/A, i, n	to find A given F A/F, i, n	to find P given A P/A, i, n	to find A given P A/P, i, n	to find A given G A/G, i, n
1	1.1972	0.8353	1.0000	1.0000	0.8353	1.1972	0.0000
2	1.4333	0.6977	2.1972	0.4551	1.5329	0.6523	0.4551
3	1.7160	0.5827	3.6305	0.2754	2.1157	0.4727	0.8806
4	2.0544	0.4868	5.3466	0.1870	2.6024	0.3843	1.2770
5	2.4596	0.4066	7.4010	0.1351	3.0090	0.3323	1.6450
6	2.9447	0.3396	9.8606	0.1014	3.3486	0.2986	1.9852
7	3.5254	0.2837	12.8053	0.0781	3.6323	0.2753	2.2987
8	4.2207	0.2369	16.3307	0.0612	3.8692	0.2585	2.5866
9	5.0531	0.1979	20.5514	0.0487	4.0671	0.2459	2.8500
10	6.0496	0.1653	25.6045	0.0391	4.2324	0.2363	3.0902
11	7.2427	0.1381	31.6541	0.0316	4.3705	0.2288	3.3085
12	8.6711	0.1153	38.8969	0.0257	4.4858	0.2229	3.5062
13	10.3812	0.0963	47.5680	0.0210	4.5821	0.2182	3.6848
14	12.4286	0.0805	57.9492	0.0173	4.6626	0.2145	3.8456
15	14.8797	0.0672	70.3778	0.0142	4.7298	0.2114	3.9898
16	17.8143	0.0561	85.2576	0.0117	4.7859	0.2089	4.1190
17	21.3276	0.0469	103.0718	0.0097	4.8328	0.2069	4.2342
18	25.5337	0.0392	124.3994	0.0080	4.8720	0.2053	4.3369
19	30.5694	0.0327	149.9331	0.0067	4.9047	0.2039	4.4280
20	36.5982	0.0273	180.5025	0.0055	4.9320	0.2028	4.5087
21	43.8160	0.0228	217.1008	0.0046	4.9548	0.2018	4.5801
22	52.4573	0.0191	260.9168	0.0038	4.9739	0.2011	4.6430
23	62.8028	0.0159	313.3741	0.0032	4.9898	0.2004	4.6984
24	75.1886	0.0133	376.1770	0.0027	5.0031	0.1999	4.7470
25	90.0171	0.0111	451.3656	0.0022	5.0142	0.1994	4.7897
26	107.7701	0.0093	541.3827	0.0018	5.0235	0.1991	4.8270
27	129.0242	0.0078	649.1528	0.0015	5.0312	0.1988	4.8596
28	154.4700	0.0065	778.1770	0.0013	5.0377	0.1985	4.8881
29	184.9342	0.0054	932.6470	0.0011	5.0431	0.1983	4.9129
30	221.4064	0.0045	1117.5812	0.0009	5.0476	0.1981	4.9344
31	265.0716	0.0038	1338.9876	0.0007	5.0514	0.1980	4.9532
32	317.3483	0.0032	1604.0592	0.0006	5.0546	0.1978	4.9694
33	379.9349	0.0026	1921.4075	0.0005	5.0572	0.1977	4.9835
34	454.8647	0.0022	2301.3425	0.0004	5.0594	0.1977	4.9956
35	544.5719	0.0018	2756.2072	0.0004	5.0612	0.1976	5.0062
40	1339.4308	0.0007	6786.5767	0.0001	5.0668	0.1974	5.0407
45	3294.4681	0.0003	16699.6862	0.0001	5.0690	0.1973	5.0569
50	8103.0839	0.0001	41082.0011	0.0000	5.0699	0.1972	5.0644
55	19930.3704	0.0001	101052.8187	0.0000	5.0703	0.1972	5.0678
60	49020.8011	0.0000	248557.2282	0.0000	5.0704	0.1972	5.0693
65	120571.7150	0.0000	611359.5328	0.0000	5.0705	0.1972	5.0700
70	296558.5653	0.0000	1503709.2100	0.0000	5.0705	0.1972	5.0703
75	729416.3698	0.0000	3698535.2522	0.0000	5.0705	0.1972	5.0704
80	1794074.7726	0.0000	9096936.2140	0.0000	5.0705	0.1972	5.0705
85	4412711.8924	0.0000	22374860.0149	0.0000	5.0705	0.1972	5.0705
90	10853519.8991	0.0000	55033282.7052	0.0000	5.0705	0.1972	5.0705
95	26695351.3107	0.0000	135360040.7600	0.0000	5.0705	0.1972	5.0705
100	65659969.1373	0.0000	332931984.7805	0.0000	5.0705	0.1972	5.0705

n	Single Payment		Equal Payment Series				Uniform
	Compound- amount Factor	Present- worth Factor	Compound- amount Factor	Sinking- fund Factor	Present- worth Factor	Capital- recovery Factor	Gradient- Series Factor
	to find F given P F/P, i, n	to find P given F P/F, i, n	to find F given A F/A, i, n	to find A given F A/F, i, n	to find P given A P/A, i, n	to find A given P A/P, i, n	to find A given G A/G, i, n
1	1.2092	0.8270	1.0000	1.0000	0.8270	1.2092	0.0000
2	1.4623	0.6839	2.2092	0.4526	1.5108	0.6619	0.4526
3	1.7683	0.5655	3.6715	0.2724	2.0763	0.4816	0.8741
4	2.1383	0.4677	5.4398	0.1838	2.5440	0.3931	1.2649
5	2.5857	0.3867	7.5781	0.1320	2.9308	0.3412	1.6258
6	3.1268	0.3198	10.1638	0.0984	3.2506	0.3076	1.9578
7	3.7810	0.2645	13.2906	0.0752	3.5150	0.2845	2.2619
8	4.5722	0.2187	17.0716	0.0586	3.7338	0.2678	2.5395
9	5.5290	0.1809	21.6438	0.0462	3.9146	0.2555	2.7918
10	6.6859	0.1496	27.1728	0.0368	4.0642	0.2461	3.0202
11	8.0849	0.1237	33.8587	0.0295	4.1879	0.2388	3.2264
12	9.7767	0.1023	41.9436	0.0238	4.2902	0.2331	3.4117
13	11.8224	0.0846	51.7203	0.0193	4.3748	0.2286	3.5778
14	14.2963	0.0699	63.5427	0.0157	4.4447	0.2250	3.7261
15	17.2878	0.0578	77.8390	0.0128	4.5025	0.2221	3.8580
16	20.9052	0.0478	95.1268	0.0105	4.5504	0.2198	3.9752
17	25.2797	0.0396	116.0320	0.0086	4.5899	0.2179	4.0788
18	30.5694	0.0327	141.3117	0.0071	4.6226	0.2163	4.1702
19	36.9661	0.0271	171.8811	0.0058	4.6497	0.2151	4.2507
20	44.7012	0.0224	208.8472	0.0048	4.6721	0.2140	4.3213
21	54.0549	0.0185	253.5483	0.0039	4.6906	0.2132	4.3832
22	65.3659	0.0153	307.6032	0.0033	4.7059	0.2125	4.4372
23	79.0436	0.0127	372.9691	0.0027	4.7185	0.2119	4.4843
24	95.5835	0.0105	452.0127	0.0022	4.7290	0.2115	4.5252
25	115.5843	0.0087	547.5962	0.0018	4.7376	0.2111	4.5608
26	139.7702	0.0072	663.1805	0.0015	4.7448	0.2108	4.5916
27	169.0171	0.0059	802.9507	0.0012	4.7507	0.2105	4.6183
28	204.3839	0.0049	971.9679	0.0010	4.7556	0.2103	4.6413
29	247.1511	0.0040	1176.3517	0.0009	4.7596	0.2101	4.6612
30	298.8674	0.0033	1423.5029	0.0007	4.7630	0.2100	4.6783
31	361.4053	0.0028	1722.3703	0.0006	4.7658	0.2098	4.6930
32	437.0292	0.0023	2083.7755	0.0005	4.7680	0.2097	4.7056
33	528.4774	0.0019	2520.8047	0.0004	4.7699	0.2096	4.7164
34	639.0611	0.0016	3049.2821	0.0003	4.7715	0.2096	4.7257
35	772.7843	0.0013	3688.3432	0.0003	4.7728	0.2095	4.7336
40	1998.1959	0.0005	9544.5627	0.0001	4.7766	0.2094	4.7590
45	5166.7544	0.0002	24687.0459	0.0000	4.7781	0.2093	4.7703
50	13359.7268	0.0001	63841.1112	0.0000	4.7786	0.2093	4.7752
55	34544.3747	0.0000	165082.1559	0.0000	4.7788	0.2093	4.7774
60	89321.7234	0.0000	426862.1033	0.0000	4.7789	0.2093	4.7783
65	230960.0429	0.0000	1103749.0417	0.0000	4.7790	0.2093	4.7787
70	597195.6138	0.0000	2853982.1365	0.0000	4.7790	0.2092	4.7789
75	1544174.4671	0.0000	7379576.7561	0.0000	4.7790	0.2092	4.7789
80	3992786.8352	0.0000	19081450.4779	0.0000	4.7790	0.2092	4.7790
85	10324187.4874	0.0000	49339098.3925	0.0000	4.7790	0.2092	4.7790
90	26695351.3107	0.0000	127576590.8734	0.0000	4.7790	0.2092	4.7790
95	69026427.7430	0.0000	329876030.9020	0.0000	4.7790	0.2092	4.7790
100	178482300.9632	0.0000	852963647.0582	0.0000	4.7790	0.2092	4.7790

n	Single Payment		Equal Payment Series				Uniform
	Compound- amount Factor	Present- worth Factor	Compound- amount Factor	Sinking- fund Factor	Present- worth Factor	Capital- recovery Factor	Gradient- Series Factor
	to find F given P F/P, i, n	to find P given F P/F, i, n	to find F given A F/A, i, n	to find A given F A/F, i, n	to find P given A P/A, i, n	to find A given P A/P, i, n	to find A given G A/G, i, n
1	1.2214	0.8187	1.0000	1.0000	0.8187	1.2214	0.0000
2	1.4918	0.6703	2.2214	0.4502	1.4891	0.6716	0.4502
3	1.8221	0.5488	3.7132	0.2693	2.0379	0.4907	0.8675
4	2.2255	0.4493	5.5353	0.1807	2.4872	0.4021	1.2528
5	2.7183	0.3679	7.7609	0.1289	2.8551	0.3503	1.6068
6	3.3201	0.3012	10.4792	0.0954	3.1563	0.3168	1.9306
7	4.0552	0.2466	13.7993	0.0725	3.4029	0.2939	2.2255
8	4.9530	0.2019	17.8545	0.0560	3.6048	0.2774	2.4929
9	6.0496	0.1653	22.8075	0.0438	3.7701	0.2652	2.7344
10	7.3891	0.1353	28.8572	0.0347	3.9054	0.2561	2.9515
11	9.0250	0.1108	36.2462	0.0276	4.0162	0.2490	3.1459
12	11.0232	0.0907	45.2712	0.0221	4.1069	0.2435	3.3194
13	13.4637	0.0743	56.2944	0.0178	4.1812	0.2392	3.4736
14	16.4446	0.0608	69.7581	0.0143	4.2420	0.2357	3.6102
15	20.0855	0.0498	86.2028	0.0116	4.2918	0.2330	3.7307
16	24.5325	0.0408	106.2883	0.0094	4.3325	0.2308	3.8367
17	29.9641	0.0334	130.8209	0.0076	4.3659	0.2290	3.9297
18	36.5982	0.0273	160.7850	0.0062	4.3932	0.2276	4.0110
19	44.7012	0.0224	197.3832	0.0051	4.4156	0.2265	4.0819
20	54.5982	0.0183	242.0844	0.0041	4.4339	0.2255	4.1435
21	66.6863	0.0150	296.6825	0.0034	4.4489	0.2248	4.1970
22	81.4509	0.0123	363.3689	0.0028	4.4612	0.2242	4.2432
23	99.4843	0.0101	444.8197	0.0022	4.4713	0.2237	4.2831
24	121.5104	0.0082	544.3040	0.0018	4.4795	0.2232	4.3175
25	148.4132	0.0067	665.8145	0.0015	4.4862	0.2229	4.3471
26	181.2722	0.0055	814.2276	0.0012	4.4917	0.2226	4.3724
27	221.4064	0.0045	995.4999	0.0010	4.4963	0.2224	4.3942
28	270.4264	0.0037	1216.9063	0.0008	4.5000	0.2222	4.4127
29	330.2996	0.0030	1487.3327	0.0007	4.5030	0.2221	4.4286
30	403.4288	0.0025	1817.6323	0.0006	4.5055	0.2220	4.4421
31	492.7490	0.0020	2221.0610	0.0005	4.5075	0.2219	4.4536
32	601.8450	0.0017	2713.8101	0.0004	4.5092	0.2218	4.4634
33	735.0952	0.0014	3315.6551	0.0003	4.5105	0.2217	4.4717
34	897.8473	0.0011	4050.7503	0.0002	4.5116	0.2216	4.4787
35	1096.6332	0.0009	4948.5976	0.0002	4.5125	0.2216	4.4847
40	2980.9580	0.0003	13459.4438	0.0001	4.5151	0.2215	4.5032
45	8103.0839	0.0001	36594.3225	0.0000	4.5161	0.2214	4.5111
50	22026.4658	0.0000	99481.4427	0.0000	4.5165	0.2214	4.5144
55	59874.1417	0.0000	270426.3588	0.0000	4.5166	0.2214	4.5157
60	162754.7914	0.0000	735102.8179	0.0000	4.5166	0.2214	4.5163
65	442413.3920	0.0000	1998224.3929	0.0000	4.5166	0.2214	4.5165
70	1202604.2842	0.0000	5431744.8173	0.0000	4.5167	0.2214	4.5166
75	3269017.3725	0.0000	14765020.9945	0.0000	4.5167	0.2214	4.5166
80	8886110.5205	0.0000	40135496.0270	0.0000	4.5167	0.2214	4.5166
85	24154952.7536	0.0000	109099597.2873	0.0000	4.5167	0.2214	4.5167
90	65659969.1373	0.0000	296563460.5592	0.0000	4.5167	0.2214	4.5167
95	178482300.9632	0.0000	806143073.5839	0.0000	4.5167	0.2214	4.5167
100	485165195.4098	0.0000	2191324075.8221	0.0000	4.5167	0.2214	4.5167

n	Single Payment		Equal Payment Series				Uniform Gradient- Series Factor
	Compound- amount Factor	Present- worth Factor	Compound- amount Factor	Sinking- fund Factor	Present- worth Factor	Capital- recovery Factor	
	to find F given P F/P, i, n	to find P given F P/F, i, n	to find F given A F/A, i, n	to find A given F A/F, i, n	to find P given A P/A, i, n	to find A given P A/P, i, n	
1	1.2840	0.7788	1.0000	1.0000	0.7788	1.2840	0.0000
2	1.6487	0.6065	2.2840	0.4378	1.3853	0.7218	0.4378
3	2.1170	0.4724	3.9327	0.2543	1.8577	0.5383	0.8350
4	2.7183	0.3679	6.0497	0.1653	2.2256	0.4493	1.1929
5	3.4903	0.2865	8.7680	0.1141	2.5121	0.3981	1.5131
6	4.4817	0.2231	12.2584	0.0816	2.7352	0.3656	1.7975
7	5.7546	0.1738	16.7401	0.0597	2.9090	0.3438	2.0486
8	7.3891	0.1353	22.4947	0.0445	3.0443	0.3285	2.2687
9	9.4877	0.1054	29.8837	0.0335	3.1497	0.3175	2.4605
10	12.1825	0.0821	39.3715	0.0254	3.2318	0.3094	2.6266
11	15.6426	0.0639	51.5539	0.0194	3.2957	0.3034	2.7696
12	20.0855	0.0498	67.1966	0.0149	3.3455	0.2989	2.8921
13	25.7903	0.0388	87.2821	0.0115	3.3843	0.2955	2.9964
14	33.1155	0.0302	113.0725	0.0088	3.4145	0.2929	3.0849
15	42.5211	0.0235	146.1879	0.0068	3.4380	0.2909	3.1595
16	54.5982	0.0183	188.7090	0.0053	3.4563	0.2893	3.2223
17	70.1054	0.0143	243.3071	0.0041	3.4706	0.2881	3.2748
18	90.0171	0.0111	313.4126	0.0032	3.4817	0.2872	3.3186
19	115.5843	0.0087	403.4297	0.0025	3.4904	0.2865	3.3550
20	148.4132	0.0067	519.0140	0.0019	3.4971	0.2860	3.3851
21	190.5663	0.0052	667.4271	0.0015	3.5023	0.2855	3.4100
22	244.6919	0.0041	857.9934	0.0012	3.5064	0.2852	3.4305
23	314.1907	0.0032	1102.6853	0.0009	3.5096	0.2849	3.4474
24	403.4288	0.0025	1416.8760	0.0007	3.5121	0.2847	3.4612
25	518.0128	0.0019	1820.3048	0.0005	3.5140	0.2846	3.4725
26	665.1416	0.0015	2338.3176	0.0004	3.5155	0.2845	3.4817
27	854.0588	0.0012	3003.4592	0.0003	3.5167	0.2844	3.4892
28	1096.6332	0.0009	3857.5180	0.0003	3.5176	0.2843	3.4953
29	1408.1048	0.0007	4954.1512	0.0002	3.5183	0.2842	3.5002
30	1808.0424	0.0006	6362.2560	0.0002	3.5189	0.2842	3.5042
31	2321.5724	0.0004	8170.2984	0.0001	3.5193	0.2841	3.5075
32	2980.9580	0.0003	10491.8708	0.0001	3.5196	0.2841	3.5101
33	3827.6258	0.0003	13472.8288	0.0001	3.5199	0.2841	3.5122
34	4914.7688	0.0002	17300.4546	0.0001	3.5201	0.2841	3.5139
35	6310.6881	0.0002	22215.2235	0.0000	3.5203	0.2841	3.5153
40	22026.4658	0.0000	77547.5169	0.0000	3.5207	0.2840	3.5190
45	76879.9198	0.0000	270676.1974	0.0000	3.5208	0.2840	3.5202
50	268337.2865	0.0000	944761.5275	0.0000	3.5208	0.2840	3.5206
55	936589.1582	0.0000	3297550.5120	0.0000	3.5208	0.2840	3.5208
60	3269017.3725	0.0000	11509590.9746	0.0000	3.5208	0.2840	3.5208
65	11409991.7638	0.0000	40172428.5696	0.0000	3.5208	0.2840	3.5208
70	39824784.3976	0.0000	140215561.9099	0.0000	3.5208	0.2840	3.5208
75	139002155.7545	0.0000	489400407.8069	0.0000	3.5208	0.2840	3.5208
80	485165195.4098	0.0000	1708175275.5359	0.0000	3.5208	0.2840	3.5208
85	1693392923.0042	0.0000	5962117551.8453	0.0000	3.5208	0.2840	3.5208
90	5910522063.0233	0.0000	20809835017.4109	0.0000	3.5208	0.2840	3.5208
95	20629749057.5962	0.0000	72633461107.7311	0.0000	3.5208	0.2840	3.5208
100	72004899337.3859	0.0000	253515689462.2160	0.0000	3.5208	0.2840	3.5208

n	Single Payment		Equal Payment Series				Uniform
	Compound-amount	Present-	Compound-amount	Sinking-	Present-	Capital-	Gradient-
	Factor	worth	Factor	fund	worth	recovery	Series
	to find F given P	to find P	to find F given A	to find A	to find P	to find A	to find A
	F/P, i, n	given F	F/A, i, n	given F	given A	given P	given G
		P/F, i, n		A/F, i, n	P/A, i, n	A/P, i, n	A/G, i, n
1	1.3499	0.7408	1.0000	1.0000	0.7408	1.3499	0.0000
2	1.8221	0.5488	2.3499	0.4256	1.2896	0.7754	0.4256
3	2.4596	0.4066	4.1720	0.2397	1.6962	0.5896	0.8029
4	3.3201	0.3012	6.6316	0.1508	1.9974	0.5007	1.1342
5	4.4817	0.2231	9.9517	0.1005	2.2205	0.4503	1.4222
6	6.0496	0.1653	14.4334	0.0693	2.3858	0.4191	1.6701
7	8.1662	0.1225	20.4830	0.0488	2.5083	0.3987	1.8815
8	11.0232	0.0907	28.6492	0.0349	2.5990	0.3848	2.0601
9	14.8797	0.0672	39.6724	0.0252	2.6662	0.3751	2.2099
10	20.0855	0.0498	54.5521	0.0183	2.7160	0.3682	2.3343
11	27.1126	0.0369	74.6376	0.0134	2.7529	0.3633	2.4370
12	36.5982	0.0273	101.7503	0.0098	2.7802	0.3597	2.5212
13	49.4024	0.0202	138.3485	0.0072	2.8004	0.3571	2.5897
14	66.6863	0.0150	187.7510	0.0053	2.8154	0.3552	2.6452
15	90.0171	0.0111	254.4373	0.0039	2.8265	0.3538	2.6898
16	121.5104	0.0082	344.4544	0.0029	2.8348	0.3528	2.7255
17	164.0219	0.0061	465.9649	0.0021	2.8409	0.3520	2.7540
18	221.4064	0.0045	629.9868	0.0016	2.8454	0.3514	2.7766
19	298.8674	0.0033	851.3932	0.0012	2.8487	0.3510	2.7945
20	403.4288	0.0025	1150.2606	0.0009	2.8512	0.3507	2.8086
21	544.5719	0.0018	1553.6894	0.0006	2.8530	0.3505	2.8197
22	735.0952	0.0014	2098.2613	0.0005	2.8544	0.3503	2.8283
23	992.2747	0.0010	2833.3565	0.0004	2.8554	0.3502	2.8351
24	1339.4308	0.0007	3825.6312	0.0003	2.8562	0.3501	2.8404
25	1808.0424	0.0006	5165.0619	0.0002	2.8567	0.3501	2.8445
26	2440.6020	0.0004	6973.1044	0.0001	2.8571	0.3500	2.8476
27	3294.4681	0.0003	9413.7063	0.0001	2.8574	0.3500	2.8501
28	4447.0667	0.0002	12708.1744	0.0001	2.8577	0.3499	2.8520
29	6002.9122	0.0002	17155.2412	0.0001	2.8578	0.3499	2.8535
30	8103.0839	0.0001	23158.1534	0.0000	2.8579	0.3499	2.8546
31	10938.0192	0.0001	31261.2373	0.0000	2.8580	0.3499	2.8555
32	14764.7816	0.0001	42199.2565	0.0000	2.8581	0.3499	2.8561
33	19930.3704	0.0001	56964.0381	0.0000	2.8582	0.3499	2.8566
34	26903.1861	0.0000	76894.4085	0.0000	2.8582	0.3499	2.8570
35	36315.5027	0.0000	103797.5946	0.0000	2.8582	0.3499	2.8573
40	162754.7914	0.0000	465198.4969	0.0000	2.8583	0.3499	2.8581
45	729416.3698	0.0000	2084884.9709	0.0000	2.8583	0.3499	2.8582
50	3269017.3725	0.0000	9343816.1386	0.0000	2.8583	0.3499	2.8583
55	14650719.4290	0.0000	41876088.6155	0.0000	2.8583	0.3499	2.8583
60	65659969.1373	0.0000	187675618.6081	0.0000	2.8583	0.3499	2.8583
65	294267566.0415	0.0000	841103778.6367	0.0000	2.8583	0.3499	2.8583
70	1318815734.4832	0.0000	3769565621.6879	0.0000	2.8583	0.3499	2.8583
75	5910522063.0233	0.0000	16894021056.5924	0.0000	2.8583	0.3499	2.8583
80	26489122129.8435	0.0000	75713749533.3428	0.0000	2.8583	0.3499	2.8583
85	118716009132.1700	0.0000	339325483767.8480	0.0000	2.8583	0.3499	2.8583
90	532048240601.7990	0.0000	1520751311899.4900	0.0000	2.8583	0.3499	2.8583
95	2384474784797.6800	0.0000	6815534533252.1800	0.0000	2.8583	0.3499	2.8583
100	10686474581524.5000	0.0000	30545106626197.9000	0.0000	2.8583	0.3499	2.8583

n	Single Payment		Equal Payment Series				Uniform
	Compound-amount Factor	Present- worth Factor	Compound-amount Factor	Sinking- fund Factor	Present- worth Factor	Capital- recovery Factor	Gradient- Series Factor
	to find F given P F/P, i, n	to find P given F P/F, i, n	to find F given A F/A, i, n	to find A given F A/F, i, n	to find P given A P/A, i, n	to find A given P A/P, i, n	to find A given G A/G, i, n
1	1.4918	0.6703	1.0000	1.0000	0.6703	1.4918	0.0000
2	2.2255	0.4493	2.4918	0.4013	1.1196	0.8931	0.4013
3	3.3201	0.3012	4.7174	0.2120	1.4208	0.7038	0.7402
4	4.9530	0.2019	8.0375	0.1244	1.6227	0.6162	1.0214
5	7.3891	0.1353	12.9905	0.0770	1.7581	0.5688	1.2507
6	11.0232	0.0907	20.3796	0.0491	1.8488	0.5409	1.4346
7	16.4446	0.0608	31.4027	0.0318	1.9096	0.5237	1.5800
8	24.5325	0.0408	47.8474	0.0209	1.9504	0.5127	1.6933
9	36.5982	0.0273	72.3799	0.0138	1.9777	0.5056	1.7804
10	54.5982	0.0183	108.9782	0.0092	1.9960	0.5010	1.8467
11	81.4509	0.0123	163.5763	0.0061	2.0083	0.4979	1.8965
12	121.5104	0.0082	245.0272	0.0041	2.0165	0.4959	1.9337
13	181.2722	0.0055	366.5376	0.0027	2.0220	0.4946	1.9611
14	270.4264	0.0037	547.8098	0.0018	2.0257	0.4937	1.9813
15	403.4288	0.0025	818.2362	0.0012	2.0282	0.4930	1.9960
16	601.8450	0.0017	1221.6650	0.0008	2.0299	0.4926	2.0066
17	897.8473	0.0011	1823.5101	0.0005	2.0310	0.4924	2.0143
18	1339.4308	0.0007	2721.3574	0.0004	2.0317	0.4922	2.0198
19	1998.1959	0.0005	4060.7881	0.0002	2.0322	0.4921	2.0237
20	2980.9580	0.0003	6058.9840	0.0002	2.0326	0.4920	2.0265
21	4447.0667	0.0002	9039.9420	0.0001	2.0328	0.4919	2.0285
22	6634.2440	0.0002	13487.0088	0.0001	2.0329	0.4919	2.0299
23	9897.1291	0.0001	20121.2528	0.0000	2.0330	0.4919	2.0309
24	14764.7816	0.0001	30018.3818	0.0000	2.0331	0.4919	2.0316
25	22026.4658	0.0000	44783.1634	0.0000	2.0332	0.4918	2.0321
26	32859.6257	0.0000	66809.6292	0.0000	2.0332	0.4918	2.0325
27	49020.8011	0.0000	99669.2549	0.0000	2.0332	0.4918	2.0327
28	73130.4418	0.0000	148690.0560	0.0000	2.0332	0.4918	2.0329
29	109097.7993	0.0000	221820.4978	0.0000	2.0332	0.4918	2.0330
30	162754.7914	0.0000	330918.2971	0.0000	2.0332	0.4918	2.0331
31	242801.6175	0.0000	493673.0885	0.0000	2.0332	0.4918	2.0331
32	362217.4496	0.0000	736474.7060	0.0000	2.0332	0.4918	2.0332
33	540364.9372	0.0000	1098692.1556	0.0000	2.0332	0.4918	2.0332
34	806129.7591	0.0000	1639057.0929	0.0000	2.0332	0.4918	2.0332
35	1202604.2842	0.0000	2445186.8520	0.0000	2.0332	0.4918	2.0332
40	8886110.5205	0.0000	18067635.8124	0.0000	2.0332	0.4918	2.0332
45	65659969.1373	0.0000	133502787.5831	0.0000	2.0332	0.4918	2.0332
50	485165195.4098	0.0000	986459599.8057	0.0000	2.0332	0.4918	2.0332
55	3584912846	0.0000	7289005335	0.0000	2.0332	0.4918	2.0332
60	26489122130	0.0000	53858869341	0.0000	2.0332	0.4918	2.0332
65	195729609429	0.0000	397966206997	0.0000	2.0332	0.4918	2.0332
70	1446257064291	0.0000	2940594628994	0.0000	2.0332	0.4918	2.0332
75	10686474581525	0.0000	21728218677863	0.0000	2.0332	0.4918	2.0332
80	78962960182681	0.0000	160551026740577	0.0000	2.0332	0.4918	2.0332
85	583461742527455	0.0000	1186320543327050	0.0000	2.0332	0.4918	2.0332
90	4311231547115190	0.0000	8765789045957470	0.0000	2.0332	0.4918	2.0332
95	31855931757113800	0.0000	64770907011971600	0.0000	2.0332	0.4918	2.0332
100	235385266837020000	0.0000	478595865490079000	0.0000	2.0332	0.4918	2.0332

n	Single Payment		Equal Payment Series				Uniform
	Compound-amount Factor	Present- worth Factor	Compound-amount Factor	Sinking- fund Factor	Present- worth Factor	Capital- recovery Factor	Gradient- Series Factor
	to find F given P F/P, i, n	to find P given F P/F, i, n	to find F given A F/A, i, n	to find A given F A/F, i, n	to find P given A P/A, i, n	to find A given P A/P, i, n	to find A given G A/G, i, n
1	1.6487	0.6065	1.0000	1.0000	0.6065	1.6487	0.0000
2	2.7183	0.3679	2.6487	0.3775	0.9744	1.0263	0.3775
3	4.4817	0.2231	5.3670	0.1863	1.1975	0.8350	0.6798
4	7.3891	0.1353	9.8487	0.1015	1.3329	0.7503	0.9154
5	12.1825	0.0821	17.2377	0.0580	1.4150	0.7067	1.0944
6	20.0855	0.0498	29.4202	0.0340	1.4647	0.6827	1.2271
7	33.1155	0.0302	49.5058	0.0202	1.4949	0.6689	1.3235
8	54.5982	0.0183	82.6212	0.0121	1.5133	0.6608	1.3922
9	90.0171	0.0111	137.2194	0.0073	1.5244	0.6560	1.4404
10	148.4132	0.0067	227.2365	0.0044	1.5311	0.6531	1.4737
11	244.6919	0.0041	375.6497	0.0027	1.5352	0.6514	1.4964
12	403.4288	0.0025	620.3416	0.0016	1.5377	0.6503	1.5117
13	665.1416	0.0015	1023.7704	0.0010	1.5392	0.6497	1.5219
14	1096.6332	0.0009	1688.9120	0.0006	1.5401	0.6493	1.5287
15	1808.0424	0.0006	2785.5452	0.0004	1.5406	0.6491	1.5332
16	2980.9580	0.0003	4593.5876	0.0002	1.5410	0.6489	1.5361
17	4914.7688	0.0002	7574.5456	0.0001	1.5412	0.6489	1.5380
18	8103.0839	0.0001	12489.3144	0.0001	1.5413	0.6488	1.5393
19	13359.7268	0.0001	20592.3984	0.0000	1.5414	0.6488	1.5401
20	22026.4658	0.0000	33952.1252	0.0000	1.5414	0.6488	1.5406
21	36315.5027	0.0000	55978.5910	0.0000	1.5415	0.6487	1.5409
22	59874.1417	0.0000	92294.0937	0.0000	1.5415	0.6487	1.5411
23	98715.7710	0.0000	152168.2354	0.0000	1.5415	0.6487	1.5413
24	162754.7914	0.0000	250884.0064	0.0000	1.5415	0.6487	1.5413
25	268337.2865	0.0000	413638.7978	0.0000	1.5415	0.6487	1.5414
26	442413.3920	0.0000	681976.0843	0.0000	1.5415	0.6487	1.5414
27	729416.3698	0.0000	1124389.4763	0.0000	1.5415	0.6487	1.5415
28	1202604.2842	0.0000	1853805.8462	0.0000	1.5415	0.6487	1.5415
29	1982759.2635	0.0000	3056410.1303	0.0000	1.5415	0.6487	1.5415
30	3269017.3725	0.0000	5039169.3939	0.0000	1.5415	0.6487	1.5415
31	5389698.4763	0.0000	8308186.7664	0.0000	1.5415	0.6487	1.5415
32	8886110.5205	0.0000	13697885.2426	0.0000	1.5415	0.6487	1.5415
33	14650719.4290	0.0000	22583995.7631	0.0000	1.5415	0.6487	1.5415
34	24154952.7536	0.0000	37234715.1921	0.0000	1.5415	0.6487	1.5415
35	39824784.3976	0.0000	61389667.9457	0.0000	1.5415	0.6487	1.5415
40	485165195.4098	0.0000	747879276.2355	0.0000	1.5415	0.6487	1.5415
45	5910522063.0233	0.0000	9111034783.3121	0.0000	1.5415	0.6487	1.5415
50	72004899337.3859	0.0000	110995126240.6970	0.0000	1.5415	0.6487	1.5415
55	877199251319	0.0000	1352197455112	0.0000	1.5415	0.6487	1.5415
60	10686474581525	0.0000	16473137330598	0.0000	1.5415	0.6487	1.5415
65	130187912050633	0.0000	200683896043870	0.0000	1.5415	0.6487	1.5415
70	1586013452313430	0.0000	2444830351564910	0.0000	1.5415	0.6487	1.5415
75	19321599304402800	0.0000	29784130992884100	0.0000	1.5415	0.6487	1.5415
80	235385266837020000	0.0000	362844995945612000	0.0000	1.5415	0.6487	1.5415
85	2867579591680570000	0.0000	4420356971778890000	0.0000	1.5415	0.6487	1.5415
90	34934271057485100000	0.0000	53850972112849800000	0.0000	1.5415	0.6487	1.5415
95	425586546179390000000	0.0000	656039142542804000000	0.0000	1.5415	0.6487	1.5415
100	5184705528587070000000	0.0000	7992192892012790000000	0.0000	1.5415	0.6487	1.5415

r -0.5 INTEREST FACTORS FOR CONTINUOUS COMPOUNDING

n	Single Payment		Equal Payment Series				Uniform
	Compound-amount Factor	Present-worth Factor	Compound-amount Factor	Sinking-fund Factor	Present-worth Factor	Capital-recovery Factor	Gradient-Series Factor
	to find F given P F/P, i, n	to find P given F P/F, i, n	to find F given A F/A, i, n	to find A given F A/F, i, n	to find P given A P/A, i, n	to find A given P A/P, i, n	to find A given G A/G, i, n
1	0.9950	1.0050	1.0000	1.0000	1.0050	0.9950	0.0000
2	0.9900	1.0101	1.9950	0.5012	2.0151	0.4963	0.5012
3	0.9851	1.0151	2.9851	0.3350	3.0302	0.3300	1.0033
4	0.9802	1.0202	3.9702	0.2519	4.0504	0.2469	1.5062
5	0.9753	1.0253	4.9504	0.2020	5.0757	0.1970	2.0100
6	0.9704	1.0305	5.9257	0.1688	6.1061	0.1638	2.5146
7	0.9656	1.0356	6.8961	0.1450	7.1418	0.1400	3.0200
8	0.9608	1.0408	7.8617	0.1272	8.1826	0.1222	3.5262
9	0.9560	1.0460	8.8225	0.1133	9.2286	0.1084	4.0333
10	0.9512	1.0513	9.7785	0.1023	10.2799	0.0973	4.5412
11	0.9465	1.0565	10.7298	0.0932	11.3364	0.0882	5.0500
12	0.9418	1.0618	11.6762	0.0856	12.3983	0.0807	5.5596
13	0.9371	1.0672	12.6180	0.0793	13.4654	0.0743	6.0700
14	0.9324	1.0725	13.5551	0.0738	14.5379	0.0688	6.5812
15	0.9277	1.0779	14.4875	0.0690	15.6158	0.0640	7.0933
16	0.9231	1.0833	15.4152	0.0649	16.6991	0.0599	7.6062
17	0.9185	1.0887	16.3383	0.0612	17.7878	0.0562	8.1200
18	0.9139	1.0942	17.2568	0.0579	18.8820	0.0530	8.6346
19	0.9094	1.0997	18.1708	0.0550	19.9816	0.0500	9.1500
20	0.9048	1.1052	19.0801	0.0524	21.0868	0.0474	9.6662
21	0.9003	1.1107	19.9850	0.0500	22.1975	0.0451	10.1833
22	0.8958	1.1163	20.8853	0.0479	23.3138	0.0429	10.7012
23	0.8914	1.1219	21.7811	0.0459	24.4357	0.0409	11.2200
24	0.8869	1.1275	22.6725	0.0441	25.5632	0.0391	11.7395
25	0.8825	1.1331	23.5594	0.0424	26.6963	0.0375	12.2599
26	0.8781	1.1388	24.4419	0.0409	27.8351	0.0359	12.7812
27	0.8737	1.1445	25.3200	0.0395	28.9797	0.0345	13.3032
28	0.8694	1.1503	26.1937	0.0382	30.1300	0.0332	13.8261
29	0.8650	1.1560	27.0631	0.0370	31.2860	0.0320	14.3499
30	0.8607	1.1618	27.9281	0.0358	32.4478	0.0308	14.8744
31	0.8564	1.1677	28.7888	0.0347	33.6155	0.0297	15.3998
32	0.8521	1.1735	29.6452	0.0337	34.7890	0.0287	15.9261
33	0.8479	1.1794	30.4974	0.0328	35.9684	0.0278	16.4531
34	0.8437	1.1853	31.3453	0.0319	37.1537	0.0269	16.9810
35	0.8395	1.1912	32.1889	0.0311	38.3449	0.0261	17.5097
40	0.8187	1.2214	36.3446	0.0275	44.3913	0.0225	20.1658
45	0.7985	1.2523	40.3976	0.0248	50.5908	0.0198	22.8426
50	0.7788	1.2840	44.3505	0.0225	56.9472	0.0176	25.5402
55	0.7596	1.3165	48.2059	0.0207	63.4645	0.0158	28.2584
60	0.7408	1.3499	51.9661	0.0192	70.1468	0.0143	30.9973
65	0.7225	1.3840	55.6334	0.0180	76.9983	0.0130	33.7569
70	0.7047	1.4191	59.2102	0.0169	84.0232	0.0119	36.5371
75	0.6873	1.4550	62.6986	0.0159	91.2260	0.0110	39.3379
80	0.6703	1.4918	66.1010	0.0151	98.6111	0.0101	42.1592
85	0.6538	1.5296	69.4193	0.0144	106.1831	0.0094	45.0010
90	0.6376	1.5683	72.6557	0.0138	113.9468	0.0088	47.8632
95	0.6219	1.6080	75.8122	0.0132	121.9071	0.0082	50.7459
100	0.6065	1.6487	78.8908	0.0127	130.0689	0.0077	53.6490

r -0.75 INTEREST FACTORS FOR CONTINUOUS COMPOUNDING

n	Single Payment		Equal Payment Series				Uniform
	Compound-amount Factor	Present-worth Factor	Compound-amount Factor	Sinking-fund Factor	Present-worth Factor	Capital-recovery Factor	Gradient-Series Factor
	to find F given P F/P, i, n	to find P given F P/F, i, n	to find F given A F/A, i, n	to find A given F A/F, i, n	to find P given A P/A, i, n	to find A given P A/P, i, n	to find A given G A/G, i, n
1	0.9925	1.0075	1.0000	1.0000	1.0075	0.9925	0.0000
2	0.9851	1.0151	1.9925	0.5019	2.0226	0.4944	0.5019
3	0.9778	1.0228	2.9776	0.3358	3.0454	0.3284	1.0050
4	0.9704	1.0305	3.9554	0.2528	4.0759	0.2453	1.5094
5	0.9632	1.0382	4.9258	0.2030	5.1141	0.1955	2.0150
6	0.9560	1.0460	5.8890	0.1698	6.1601	0.1623	2.5219
7	0.9489	1.0539	6.8450	0.1461	7.2140	0.1386	3.0300
8	0.9418	1.0618	7.7939	0.1283	8.2758	0.1208	3.5394
9	0.9347	1.0698	8.7356	0.1145	9.3457	0.1070	4.0500
10	0.9277	1.0779	9.6704	0.1034	10.4235	0.0959	4.5619
11	0.9208	1.0860	10.5981	0.0944	11.5095	0.0869	5.0750
12	0.9139	1.0942	11.5189	0.0868	12.6037	0.0793	5.5894
13	0.9071	1.1024	12.4329	0.0804	13.7061	0.0730	6.1050
14	0.9003	1.1107	13.3400	0.0750	14.8168	0.0675	6.6219
15	0.8936	1.1191	14.2403	0.0702	15.9359	0.0628	7.1400
16	0.8869	1.1275	15.1339	0.0661	17.0634	0.0586	7.6593
17	0.8803	1.1360	16.0208	0.0624	18.1994	0.0549	8.1800
18	0.8737	1.1445	16.9011	0.0592	19.3439	0.0517	8.7018
19	0.8672	1.1532	17.7748	0.0563	20.4971	0.0488	9.2249
20	0.8607	1.1618	18.6420	0.0536	21.6589	0.0462	9.7493
21	0.8543	1.1706	19.5027	0.0513	22.8295	0.0438	10.2749
22	0.8479	1.1794	20.3570	0.0491	24.0089	0.0417	10.8017
23	0.8416	1.1883	21.2049	0.0472	25.1972	0.0397	11.3298
24	0.8353	1.1972	22.0464	0.0454	26.3944	0.0379	11.8592
25	0.8290	1.2062	22.8817	0.0437	27.6006	0.0362	12.3898
26	0.8228	1.2153	23.7107	0.0422	28.8159	0.0347	12.9216
27	0.8167	1.2245	24.5336	0.0408	30.0404	0.0333	13.4547
28	0.8106	1.2337	25.3503	0.0394	31.2741	0.0320	13.9890
29	0.8045	1.2430	26.1608	0.0382	32.5170	0.0308	14.5246
30	0.7985	1.2523	26.9654	0.0371	33.7693	0.0296	15.0614
31	0.7925	1.2618	27.7639	0.0360	35.0311	0.0285	15.5995
32	0.7866	1.2712	28.5564	0.0350	36.3023	0.0275	16.1388
33	0.7808	1.2808	29.3431	0.0341	37.5832	0.0266	16.6793
34	0.7749	1.2905	30.1238	0.0332	38.8736	0.0257	17.2211
35	0.7691	1.3002	30.8987	0.0324	40.1738	0.0249	17.7641
40	0.7408	1.3499	34.6873	0.0288	46.8230	0.0214	20.4979
45	0.7136	1.4014	38.3365	0.0261	53.7263	0.0186	23.2626
50	0.6873	1.4550	41.8513	0.0239	60.8933	0.0164	26.0582
55	0.6620	1.5106	45.2368	0.0221	68.3342	0.0146	28.8847
60	0.6376	1.5683	48.4977	0.0206	76.0595	0.0131	31.7418
65	0.6142	1.6282	51.6385	0.0194	84.0799	0.0119	34.6296
70	0.5916	1.6905	54.6638	0.0183	92.4068	0.0108	37.5479
75	0.5698	1.7551	57.5777	0.0174	101.0520	0.0099	40.4966
80	0.5488	1.8221	60.3843	0.0166	110.0274	0.0091	43.4756
85	0.5286	1.8917	63.0877	0.0159	119.3458	0.0084	46.4847
90	0.5092	1.9640	65.6915	0.0152	129.0203	0.0078	49.5238
95	0.4904	2.0391	68.1996	0.0147	139.0645	0.0072	52.5928
100	0.4724	2.1170	70.6153	0.0142	149.4925	0.0067	55.6916

r -1 INTEREST FACTORS FOR CONTINUOUS COMPOUNDING

n	Single Payment		Equal Payment Series				Uniform
	Compound-amount Factor	Present-worth Factor	Compound-amount Factor	Sinking-fund Factor	Present-worth Factor	Capital-recovery Factor	Gradient-Series Factor
	to find F given P F/P, i, n	to find P given F P/F, i, n	to find F given A F/A, i, n	to find A given F A/F, i, n	to find P given A P/A, i, n	to find A given P A/P, i, n	to find A given G A/G, i, n
1	0.9900	1.0101	1.0000	1.0000	1.0101	0.9900	0.0000
2	0.9802	1.0202	1.9900	0.5025	2.0303	0.4925	0.5025
3	0.9704	1.0305	2.9702	0.3367	3.0607	0.3267	1.0067
4	0.9608	1.0408	3.9407	0.2538	4.1015	0.2438	1.5125
5	0.9512	1.0513	4.9015	0.2040	5.1528	0.1941	2.0200
6	0.9418	1.0618	5.8527	0.1709	6.2146	0.1609	2.5292
7	0.9324	1.0725	6.7945	0.1472	7.2871	0.1372	3.0400
8	0.9231	1.0833	7.7269	0.1294	8.3704	0.1195	3.5525
9	0.9139	1.0942	8.6500	0.1156	9.4646	0.1057	4.0667
10	0.9048	1.1052	9.5639	0.1046	10.5698	0.0946	4.5825
11	0.8958	1.1163	10.4688	0.0955	11.6860	0.0856	5.1000
12	0.8869	1.1275	11.3646	0.0880	12.8135	0.0780	5.6191
13	0.8781	1.1388	12.2515	0.0816	13.9524	0.0717	6.1400
14	0.8694	1.1503	13.1296	0.0762	15.1026	0.0662	6.6624
15	0.8607	1.1618	13.9990	0.0714	16.2645	0.0615	7.1866
16	0.8521	1.1735	14.8597	0.0673	17.4380	0.0573	7.7124
17	0.8437	1.1853	15.7118	0.0636	18.6233	0.0537	8.2399
18	0.8353	1.1972	16.5555	0.0604	19.8205	0.0505	8.7690
19	0.8270	1.2092	17.3908	0.0575	21.0298	0.0476	9.2998
20	0.8187	1.2214	18.2177	0.0549	22.2512	0.0449	9.8323
21	0.8106	1.2337	19.0364	0.0525	23.4848	0.0426	10.3664
22	0.8025	1.2461	19.8470	0.0504	24.7309	0.0404	10.9022
23	0.7945	1.2586	20.6495	0.0484	25.9895	0.0385	11.4396
24	0.7866	1.2712	21.4441	0.0466	27.2608	0.0367	11.9787
25	0.7788	1.2840	22.2307	0.0450	28.5448	0.0350	12.5195
26	0.7711	1.2969	23.0095	0.0435	29.8417	0.0335	13.0619
27	0.7634	1.3100	23.7806	0.0421	31.1517	0.0321	13.6059
28	0.7558	1.3231	24.5439	0.0407	32.4748	0.0308	14.1516
29	0.7483	1.3364	25.2997	0.0395	33.8112	0.0296	14.6990
30	0.7408	1.3499	26.0480	0.0384	35.1611	0.0284	15.2480
31	0.7334	1.3634	26.7888	0.0373	36.5245	0.0274	15.7987
32	0.7261	1.3771	27.5222	0.0363	37.9017	0.0264	16.3510
33	0.7189	1.3910	28.2484	0.0354	39.2926	0.0255	16.9050
34	0.7118	1.4049	28.9673	0.0345	40.6976	0.0246	17.4606
35	0.7047	1.4191	29.6791	0.0337	42.1166	0.0237	18.0179
40	0.6703	1.4918	33.1331	0.0302	49.4288	0.0202	20.8290
45	0.6376	1.5683	36.4187	0.0275	57.1158	0.0175	23.6810
50	0.6065	1.6487	39.5440	0.0253	65.1970	0.0153	26.5739
55	0.5769	1.7333	42.5169	0.0235	73.6925	0.0136	29.5074
60	0.5488	1.8221	45.3448	0.0221	82.6236	0.0121	32.4813
65	0.5220	1.9155	48.0348	0.0208	92.0126	0.0109	35.4955
70	0.4966	2.0138	50.5936	0.0198	101.8830	0.0098	38.5495
75	0.4724	2.1170	53.0276	0.0189	112.2594	0.0089	41.6433
80	0.4493	2.2255	55.3429	0.0181	123.1679	0.0081	44.7765
85	0.4274	2.3396	57.5453	0.0174	134.6356	0.0074	47.9487
90	0.4066	2.4596	59.6402	0.0168	146.6913	0.0068	51.1598
95	0.3867	2.5857	61.6330	0.0162	159.3651	0.0063	54.4093
100	0.3679	2.7183	63.5286	0.0157	172.6888	0.0058	57.6968

r -1.25 INTEREST FACTORS FOR CONTINUOUS COMPOUNDING

n	Single Payment		Equal Payment Series				Uniform
	Compound-amount Factor	Present-worth Factor	Compound-amount Factor	Sinking-fund Factor	Present-worth Factor	Capital-recovery Factor	Gradient-Series Factor
	to find F given P F/P, i, n	to find P given F P/F, i, n	to find F given A F/A, i, n	to find A given F A/F, i, n	to find P given A P/A, i, n	to find A given P A/P, i, n	to find A given G A/G, i, n
1	0.9876	1.0126	1.0000	1.0000	1.0126	0.9876	0.0000
2	0.9753	1.0253	1.9876	0.5031	2.0379	0.4907	0.5031
3	0.9632	1.0382	2.9629	0.3375	3.0761	0.3251	1.0083
4	0.9512	1.0513	3.9261	0.2547	4.1274	0.2423	1.5156
5	0.9394	1.0645	4.8773	0.2050	5.1919	0.1926	2.0250
6	0.9277	1.0779	5.8167	0.1719	6.2698	0.1595	2.5365
7	0.9162	1.0914	6.7445	0.1483	7.3612	0.1358	3.0500
8	0.9048	1.1052	7.6607	0.1305	8.4664	0.1181	3.5656
9	0.8936	1.1191	8.5655	0.1167	9.5854	0.1043	4.0833
10	0.8825	1.1331	9.4591	0.1057	10.7186	0.0933	4.6031
11	0.8715	1.1474	10.3416	0.0967	11.8660	0.0843	5.1250
12	0.8607	1.1618	11.2132	0.0892	13.0278	0.0768	5.6489
13	0.8500	1.1764	12.0739	0.0828	14.2043	0.0704	6.1749
14	0.8395	1.1912	12.9239	0.0774	15.3955	0.0650	6.7030
15	0.8290	1.2062	13.7633	0.0727	16.6017	0.0602	7.2332
16	0.8187	1.2214	14.5924	0.0685	17.8232	0.0561	7.7654
17	0.8086	1.2368	15.4111	0.0649	19.0599	0.0525	8.2998
18	0.7985	1.2523	16.2197	0.0617	20.3122	0.0492	8.8362
19	0.7886	1.2681	17.0182	0.0588	21.5803	0.0463	9.3746
20	0.7788	1.2840	17.8068	0.0562	22.8643	0.0437	9.9152
21	0.7691	1.3002	18.5856	0.0538	24.1645	0.0414	10.4578
22	0.7596	1.3165	19.3547	0.0517	25.4810	0.0392	11.0025
23	0.7501	1.3331	20.1143	0.0497	26.8141	0.0373	11.5492
24	0.7408	1.3499	20.8644	0.0479	28.1640	0.0355	12.0981
25	0.7316	1.3668	21.6052	0.0463	29.5308	0.0339	12.6489
26	0.7225	1.3840	22.3368	0.0448	30.9149	0.0323	13.2019
27	0.7136	1.4014	23.0594	0.0434	32.3163	0.0309	13.7569
28	0.7047	1.4191	23.7729	0.0421	33.7354	0.0296	14.3140
29	0.6959	1.4369	24.4776	0.0409	35.1723	0.0284	14.8731
30	0.6873	1.4550	25.1735	0.0397	36.6273	0.0273	15.4343
31	0.6788	1.4733	25.8608	0.0387	38.1006	0.0262	15.9975
32	0.6703	1.4918	26.5396	0.0377	39.5924	0.0253	16.5628
33	0.6620	1.5106	27.2099	0.0368	41.1030	0.0243	17.1301
34	0.6538	1.5296	27.8719	0.0359	42.6326	0.0235	17.6995
35	0.6456	1.5488	28.5257	0.0351	44.1814	0.0226	18.2709
40	0.6065	1.6487	31.6747	0.0316	52.2227	0.0191	21.1587
45	0.5698	1.7551	34.6329	0.0289	60.7827	0.0165	24.0973
50	0.5353	1.8682	37.4119	0.0267	69.8947	0.0143	27.0863
55	0.5028	1.9887	40.0226	0.0250	79.5944	0.0126	30.1255
60	0.4724	2.1170	42.4750	0.0235	89.9197	0.0111	33.2143
65	0.4437	2.2535	44.7789	0.0223	100.9109	0.0099	36.3523
70	0.4169	2.3989	46.9432	0.0213	112.6109	0.0089	39.5392
75	0.3916	2.5536	48.9764	0.0204	125.0656	0.0080	42.7743
80	0.3679	2.7183	50.8864	0.0197	138.3235	0.0072	46.0571
85	0.3456	2.8936	52.6806	0.0190	152.4364	0.0066	49.3871
90	0.3247	3.0802	54.3662	0.0184	167.4596	0.0060	52.7637
95	0.3050	3.2789	55.9496	0.0179	183.4517	0.0055	56.1862
100	0.2865	3.4903	57.4371	0.0174	200.4752	0.0050	59.6541

r -1.5 INTEREST FACTORS FOR CONTINUOUS COMPOUNDING

n	Single Payment		Equal Payment Series				Uniform
	Compound-amount Factor	Present-worth Factor	Compound-amount Factor	Sinking-fund Factor	Present-worth Factor	Capital-recovery Factor	Gradient-Series Factor
	to find F given P F/P, i, n	to find P given F P/F, i, n	to find F given A F/A, i, n	to find A given F A/F, i, n	to find P given A P/A, i, n	to find A given P A/P, i, n	to find A given G A/G, i, n
1	0.9851	1.0151	1.0000	1.0000	1.0151	0.9851	0.0000
2	0.9704	1.0305	1.9851	0.5037	2.0456	0.4889	0.5037
3	0.9560	1.0460	2.9556	0.3383	3.0916	0.3235	1.0100
4	0.9418	1.0618	3.9116	0.2557	4.1534	0.2408	1.5187
5	0.9277	1.0779	4.8533	0.2060	5.2313	0.1912	2.0300
6	0.9139	1.0942	5.7811	0.1730	6.3255	0.1581	2.5437
7	0.9003	1.1107	6.6950	0.1494	7.4362	0.1345	3.0600
8	0.8869	1.1275	7.5953	0.1317	8.5637	0.1168	3.5787
9	0.8737	1.1445	8.4822	0.1179	9.7082	0.1030	4.1000
10	0.8607	1.1618	9.3560	0.1069	10.8701	0.0920	4.6237
11	0.8479	1.1794	10.2167	0.0979	12.0495	0.0830	5.1499
12	0.8353	1.1972	11.0646	0.0904	13.2467	0.0755	5.6787
13	0.8228	1.2153	11.8998	0.0840	14.4620	0.0691	6.2099
14	0.8106	1.2337	12.7227	0.0786	15.6957	0.0637	6.7436
15	0.7985	1.2523	13.5332	0.0739	16.9480	0.0590	7.2798
16	0.7866	1.2712	14.3318	0.0698	18.2192	0.0549	7.8184
17	0.7749	1.2905	15.1184	0.0661	19.5097	0.0513	8.3596
18	0.7634	1.3100	15.8933	0.0629	20.8197	0.0480	8.9033
19	0.7520	1.3298	16.6567	0.0600	22.1494	0.0451	9.4494
20	0.7408	1.3499	17.4087	0.0574	23.4993	0.0426	9.9980
21	0.7298	1.3703	18.1495	0.0551	24.8695	0.0402	10.5491
22	0.7189	1.3910	18.8793	0.0530	26.2605	0.0381	11.1027
23	0.7082	1.4120	19.5982	0.0510	27.6725	0.0361	11.6587
24	0.6977	1.4333	20.3065	0.0492	29.1058	0.0344	12.2172
25	0.6873	1.4550	21.0041	0.0476	30.5608	0.0327	12.7782
26	0.6771	1.4770	21.6914	0.0461	32.0378	0.0312	13.3416
27	0.6670	1.4993	22.3685	0.0447	33.5371	0.0298	13.9075
28	0.6570	1.5220	23.0355	0.0434	35.0591	0.0285	14.4759
29	0.6473	1.5450	23.6925	0.0422	36.6040	0.0273	15.0467
30	0.6376	1.5683	24.3398	0.0411	38.1723	0.0262	15.6200
31	0.6281	1.5920	24.9774	0.0400	39.7644	0.0251	16.1957
32	0.6188	1.6161	25.6055	0.0391	41.3804	0.0242	16.7739
33	0.6096	1.6405	26.2243	0.0381	43.0209	0.0232	17.3545
34	0.6005	1.6653	26.8339	0.0373	44.6862	0.0224	17.9375
35	0.5916	1.6905	27.4344	0.0365	46.3767	0.0216	18.5230
40	0.5488	1.8221	30.3054	0.0330	55.2200	0.0181	21.4869
45	0.5092	1.9640	32.9689	0.0303	64.7521	0.0154	24.5110
50	0.4724	2.1170	35.4400	0.0282	75.0266	0.0133	27.5948
55	0.4382	2.2819	37.7326	0.0265	86.1013	0.0116	30.7378
60	0.4066	2.4596	39.8595	0.0251	98.0385	0.0102	33.9391
65	0.3772	2.6512	41.8327	0.0239	110.9055	0.0090	37.1982
70	0.3499	2.8577	43.6633	0.0229	124.7746	0.0080	40.5141
75	0.3247	3.0802	45.3617	0.0220	139.7238	0.0072	43.8860
80	0.3012	3.3201	46.9373	0.0213	155.8374	0.0064	47.3131
85	0.2794	3.5787	48.3991	0.0207	173.2060	0.0058	50.7944
90	0.2592	3.8574	49.7553	0.0201	191.9273	0.0052	54.3290
95	0.2405	4.1579	51.0135	0.0196	212.1067	0.0047	57.9158
100	0.2231	4.4817	52.1807	0.0192	233.8578	0.0043	61.5538

n	Single Payment		Equal Payment Series				Uniform
	Compound-amount Factor	Present-worth Factor	Compound-amount Factor	Sinking-fund Factor	Present-worth Factor	Capital-recovery Factor	Gradient-Series Factor
	to find F given P F/P, i, n	to find P given F P/F, i, n	to find F given A F/A, i, n	to find A given F A/F, i, n	to find P given A P/A, i, n	to find A given P A/P, i, n	to find A given G A/G, i, n
1	0.9802	1.0202	1.0000	1.0000	1.0202	0.9802	0.0000
2	0.9608	1.0408	1.9802	0.5050	2.0610	0.4852	0.5050
3	0.9418	1.0618	2.9410	0.3400	3.1228	0.3202	1.0133
4	0.9231	1.0833	3.8828	0.2575	4.2061	0.2377	1.5250
5	0.9048	1.1052	4.8059	0.2081	5.3113	0.1883	2.0400
6	0.8869	1.1275	5.7107	0.1751	6.4388	0.1553	2.5583
7	0.8694	1.1503	6.5976	0.1516	7.5891	0.1318	3.0800
8	0.8521	1.1735	7.4670	0.1339	8.7626	0.1141	3.6050
9	0.8353	1.1972	8.3191	0.1202	9.9598	0.1004	4.1333
10	0.8187	1.2214	9.1544	0.1092	11.1812	0.0894	4.6649
11	0.8025	1.2461	9.9731	0.1003	12.4273	0.0805	5.1998
12	0.7866	1.2712	10.7756	0.0928	13.6985	0.0730	5.7381
13	0.7711	1.2969	11.5623	0.0865	14.9955	0.0667	6.2797
14	0.7558	1.3231	12.3333	0.0811	16.3186	0.0613	6.8246
15	0.7408	1.3499	13.0891	0.0764	17.6685	0.0566	7.3728
16	0.7261	1.3771	13.8299	0.0723	19.0456	0.0525	7.9243
17	0.7118	1.4049	14.5561	0.0687	20.4505	0.0489	8.4791
18	0.6977	1.4333	15.2678	0.0655	21.8839	0.0457	9.0372
19	0.6839	1.4623	15.9655	0.0626	23.3461	0.0428	9.5986
20	0.6703	1.4918	16.6494	0.0601	24.8380	0.0403	10.1632
21	0.6570	1.5220	17.3197	0.0577	26.3599	0.0379	10.7312
22	0.6440	1.5527	17.9768	0.0556	27.9126	0.0358	11.3024
23	0.6313	1.5841	18.6208	0.0537	29.4967	0.0339	11.8769
24	0.6188	1.6161	19.2521	0.0519	31.1128	0.0321	12.4547
25	0.6065	1.6487	19.8709	0.0503	32.7615	0.0305	13.0357
26	0.5945	1.6820	20.4774	0.0488	34.4435	0.0290	13.6200
27	0.5827	1.7160	21.0719	0.0475	36.1595	0.0277	14.2075
28	0.5712	1.7507	21.6547	0.0462	37.9102	0.0264	14.7982
29	0.5599	1.7860	22.2259	0.0450	39.6963	0.0252	15.3922
30	0.5488	1.8221	22.7858	0.0439	41.5184	0.0241	15.9894
31	0.5379	1.8589	23.3346	0.0429	43.3773	0.0231	16.5898
32	0.5273	1.8965	23.8725	0.0419	45.2738	0.0221	17.1935
33	0.5169	1.9348	24.3998	0.0410	47.2086	0.0212	17.8003
34	0.5066	1.9739	24.9167	0.0401	49.1824	0.0203	18.4103
35	0.4966	2.0138	25.4233	0.0393	51.1962	0.0195	19.0235
40	0.4493	2.2255	27.8098	0.0360	61.8919	0.0162	22.1370
45	0.4066	2.4596	29.9692	0.0334	73.7124	0.0136	25.3286
50	0.3679	2.7183	31.9231	0.0313	86.7761	0.0115	28.5972
55	0.3329	3.0042	33.6911	0.0297	101.2137	0.0099	31.9412
60	0.3012	3.3201	35.2909	0.0283	117.1698	0.0085	35.3591
65	0.2725	3.6693	36.7384	0.0272	134.8039	0.0074	38.8493
70	0.2466	4.0552	38.0481	0.0263	154.2927	0.0065	42.4101
75	0.2231	4.4817	39.2332	0.0255	175.8311	0.0057	46.0396
80	0.2019	4.9530	40.3056	0.0248	199.6347	0.0050	49.7360
85	0.1827	5.4739	41.2758	0.0242	225.9418	0.0044	53.4972
90	0.1653	6.0496	42.1538	0.0237	255.0156	0.0039	57.3214
95	0.1496	6.6859	42.9482	0.0233	287.1471	0.0035	61.2063
100	0.1353	7.3891	43.6670	0.0229	322.6580	0.0031	65.1501

n	Single Payment		Equal Payment Series				Uniform
	Compound- amount Factor	Present- worth Factor	Compound- amount Factor	Sinking- fund Factor	Present- worth Factor	Capital- recovery Factor	Gradient- Series Factor
	to find F given P F/P, i, n	to find P given F P/F, i, n	to find F given A F/A, i, n	to find A given F A/F, i, n	to find P given A P/A, i, n	to find A given P A/P, i, n	to find A given G A/G, i, n
1	0.9704	1.0305	1.0000	1.0000	1.0305	0.9704	0.0000
2	0.9418	1.0618	1.9704	0.5075	2.0923	0.4779	0.5075
3	0.9139	1.0942	2.9122	0.3434	3.1865	0.3138	1.0200
4	0.8869	1.1275	3.8261	0.2614	4.3140	0.2318	1.5375
5	0.8607	1.1618	4.7131	0.2122	5.4758	0.1826	2.0600
6	0.8353	1.1972	5.5738	0.1794	6.6730	0.1499	2.5875
7	0.8106	1.2337	6.4090	0.1560	7.9067	0.1265	3.1199
8	0.7866	1.2712	7.2196	0.1385	9.1779	0.1090	3.6573
9	0.7634	1.3100	8.0063	0.1249	10.4879	0.0953	4.1998
10	0.7408	1.3499	8.7696	0.1140	11.8378	0.0845	4.7471
11	0.7189	1.3910	9.5104	0.1051	13.2287	0.0756	5.2995
12	0.6977	1.4333	10.2294	0.0978	14.6621	0.0682	5.8567
13	0.6771	1.4770	10.9270	0.0915	16.1390	0.0620	6.4189
14	0.6570	1.5220	11.6041	0.0862	17.6610	0.0566	6.9861
15	0.6376	1.5683	12.2612	0.0816	19.2293	0.0520	7.5581
16	0.6188	1.6161	12.8988	0.0775	20.8454	0.0480	8.1351
17	0.6005	1.6653	13.5176	0.0740	22.5107	0.0444	8.7169
18	0.5827	1.7160	14.1181	0.0708	24.2267	0.0413	9.3036
19	0.5655	1.7683	14.7008	0.0680	25.9950	0.0385	9.8952
20	0.5488	1.8221	15.2663	0.0655	27.8171	0.0359	10.4916
21	0.5326	1.8776	15.8151	0.0632	29.6947	0.0337	11.0928
22	0.5169	1.9348	16.3477	0.0612	31.6295	0.0316	11.6988
23	0.5016	1.9937	16.8646	0.0593	33.6232	0.0297	12.3096
24	0.4868	2.0544	17.3662	0.0576	35.6776	0.0280	12.9252
25	0.4724	2.1170	17.8529	0.0560	37.7946	0.0265	13.5455
26	0.4584	2.1815	18.3253	0.0546	39.9761	0.0250	14.1706
27	0.4449	2.2479	18.7837	0.0532	42.2240	0.0237	14.8004
28	0.4317	2.3164	19.2285	0.0520	44.5404	0.0225	15.4348
29	0.4190	2.3869	19.6603	0.0509	46.9273	0.0213	16.0739
30	0.4066	2.4596	20.0792	0.0498	49.3869	0.0202	16.7177
31	0.3946	2.5345	20.4858	0.0488	51.9214	0.0193	17.3661
32	0.3829	2.6117	20.8803	0.0479	54.5331	0.0183	18.0190
33	0.3716	2.6912	21.2632	0.0470	57.2243	0.0175	18.6765
34	0.3606	2.7732	21.6348	0.0462	59.9975	0.0167	19.3386
35	0.3499	2.8577	21.9954	0.0455	62.8552	0.0159	20.0052
40	0.3012	3.3201	23.6447	0.0423	78.5031	0.0127	23.4047
45	0.2592	3.8574	25.0642	0.0399	96.6834	0.0103	26.9126
50	0.2231	4.4817	26.2860	0.0380	117.8059	0.0085	30.5250
55	0.1920	5.2070	27.3377	0.0366	142.3467	0.0070	34.2377
60	0.1653	6.0496	28.2428	0.0354	170.8590	0.0059	38.0462
65	0.1423	7.0287	29.0219	0.0345	203.9857	0.0049	41.9459
70	0.1225	8.1662	29.6924	0.0337	242.4733	0.0041	45.9323
75	0.1054	9.4877	30.2696	0.0330	287.1896	0.0035	50.0004
80	0.0907	11.0232	30.7663	0.0325	339.1425	0.0029	54.1457
85	0.0781	12.8071	31.1939	0.0321	399.5032	0.0025	58.3632
90	0.0672	14.8797	31.5619	0.0317	469.6323	0.0021	62.6484
95	0.0578	17.2878	31.8786	0.0314	551.1107	0.0018	66.9968
100	0.0498	20.0855	32.1512	0.0311	645.7750	0.0015	71.4037

n	Single Payment		Equal Payment Series				Uniform
	Compound- amount Factor	Present- worth Factor	Compound- amount Factor	Sinking- fund Factor	Present- worth Factor	Capital- recovery Factor	Gradient- Series Factor
	to find F given P F/P, i, n	to find P given F P/F, i, n	to find F given A F/A, i, n	to find A given F A/F, i, n	to find P given A P/A, i, n	to find A given P A/P, i, n	to find A given G A/G, i, n
1	0.9608	1.0408	1.0000	1.0000	1.0408	0.9608	0.0000
2	0.9231	1.0833	1.9608	0.5100	2.1241	0.4708	0.5100
3	0.8869	1.1275	2.8839	0.3468	3.2516	0.3075	1.0267
4	0.8521	1.1735	3.7708	0.2652	4.4251	0.2260	1.5500
5	0.8187	1.2214	4.6230	0.2163	5.6465	0.1771	2.0799
6	0.7866	1.2712	5.4417	0.1838	6.9178	0.1446	2.6166
7	0.7558	1.3231	6.2283	0.1606	8.2409	0.1213	3.1598
8	0.7261	1.3771	6.9841	0.1432	9.6180	0.1040	3.7096
9	0.6977	1.4333	7.7103	0.1297	11.0513	0.0905	4.2661
10	0.6703	1.4918	8.4079	0.1189	12.5432	0.0797	4.8291
11	0.6440	1.5527	9.0783	0.1102	14.0959	0.0709	5.3987
12	0.6188	1.6161	9.7223	0.1029	15.7120	0.0636	5.9748
13	0.5945	1.6820	10.3411	0.0967	17.3940	0.0575	6.5575
14	0.5712	1.7507	10.9356	0.0914	19.1447	0.0522	7.1466
15	0.5488	1.8221	11.5068	0.0869	20.9668	0.0477	7.7422
16	0.5273	1.8965	12.0556	0.0829	22.8633	0.0437	8.3442
17	0.5066	1.9739	12.5829	0.0795	24.8371	0.0403	8.9527
18	0.4868	2.0544	13.0895	0.0764	26.8916	0.0372	9.5674
19	0.4677	2.1383	13.5763	0.0737	29.0298	0.0344	10.1886
20	0.4493	2.2255	14.0439	0.0712	31.2554	0.0320	10.8160
21	0.4317	2.3164	14.4933	0.0690	33.5717	0.0298	11.4497
22	0.4148	2.4109	14.9250	0.0670	35.9826	0.0278	12.0896
23	0.3985	2.5093	15.3398	0.0652	38.4919	0.0260	12.7356
24	0.3829	2.6117	15.7383	0.0635	41.1036	0.0243	13.3878
25	0.3679	2.7183	16.1212	0.0620	43.8219	0.0228	14.0461
26	0.3535	2.8292	16.4891	0.0606	46.6511	0.0214	14.7104
27	0.3396	2.9447	16.8425	0.0594	49.5958	0.0202	15.3807
28	0.3263	3.0649	17.1821	0.0582	52.6607	0.0190	16.0569
29	0.3135	3.1899	17.5084	0.0571	55.8506	0.0179	16.7391
30	0.3012	3.3201	17.8219	0.0561	59.1707	0.0169	17.4270
31	0.2894	3.4556	18.1231	0.0552	62.6263	0.0160	18.1208
32	0.2780	3.5966	18.4125	0.0543	66.2230	0.0151	18.8203
33	0.2671	3.7434	18.6905	0.0535	69.9664	0.0143	19.5254
34	0.2567	3.8962	18.9576	0.0527	73.8626	0.0135	20.2362
35	0.2466	4.0552	19.2143	0.0520	77.9178	0.0128	20.9525
40	0.2019	4.9530	20.3543	0.0491	100.8155	0.0099	24.6155
45	0.1653	6.0496	21.2877	0.0470	128.7828	0.0078	28.4082
50	0.1353	7.3891	22.0518	0.0453	162.9422	0.0061	32.3225
55	0.1108	9.0250	22.6775	0.0441	204.6646	0.0049	36.3502
60	0.0907	11.0232	23.1897	0.0431	255.6244	0.0039	40.4828
65	0.0743	13.4637	23.6091	0.0424	317.8669	0.0031	44.7118
70	0.0608	16.4446	23.9525	0.0417	393.8900	0.0025	49.0290
75	0.0498	20.0855	24.2336	0.0413	486.7448	0.0021	53.4263
80	0.0408	24.5325	24.4638	0.0409	600.1580	0.0017	57.8962
85	0.0334	29.9641	24.6522	0.0406	738.6811	0.0014	62.4313
90	0.0273	36.5982	24.8065	0.0403	907.8736	0.0011	67.0249
95	0.0224	44.7012	24.9328	0.0401	1114.5259	0.0009	71.6705
100	0.0183	54.5982	25.0362	0.0399	1366.9315	0.0007	76.3624

n	Single Payment		Equal Payment Series				Uniform
	Compound- amount Factor	Present- worth Factor	Compound- amount Factor	Sinking- fund Factor	Present- worth Factor	Capital- recovery Factor	Gradient- Series Factor
	to find F given P F/P, i, n	to find P given F P/F, i, n	to find F given A F/A, i, n	to find A given F A/F, i, n	to find P given A P/A, i, n	to find A given P A/P, i, n	to find A given G A/G, i, n
1	0.9512	1.0513	1.0000	1.0000	1.0513	0.9512	0.0000
2	0.9048	1.1052	1.9512	0.5125	2.1564	0.4637	0.5125
3	0.8607	1.1618	2.8561	0.3501	3.3183	0.3014	1.0333
4	0.8187	1.2214	3.7168	0.2691	4.5397	0.2203	1.5625
5	0.7788	1.2840	4.5355	0.2205	5.8237	0.1717	2.0999
6	0.7408	1.3499	5.3143	0.1882	7.1736	0.1394	2.6456
7	0.7047	1.4191	6.0551	0.1651	8.5926	0.1164	3.1996
8	0.6703	1.4918	6.7598	0.1479	10.0845	0.0992	3.7618
9	0.6376	1.5683	7.4301	0.1346	11.6528	0.0858	4.3322
10	0.6065	1.6487	8.0678	0.1240	13.3015	0.0752	4.9108
11	0.5769	1.7333	8.6743	0.1153	15.0347	0.0665	5.4975
12	0.5488	1.8221	9.2512	0.1081	16.8569	0.0593	6.0923
13	0.5220	1.9155	9.8001	0.1020	18.7724	0.0533	6.6951
14	0.4966	2.0138	10.3221	0.0969	20.7862	0.0481	7.3059
15	0.4724	2.1170	10.8187	0.0924	22.9032	0.0437	7.9247
16	0.4493	2.2255	11.2911	0.0886	25.1287	0.0398	8.5513
17	0.4274	2.3396	11.7404	0.0852	27.4683	0.0364	9.1857
18	0.4066	2.4596	12.1678	0.0822	29.9279	0.0334	9.8280
19	0.3867	2.5857	12.5744	0.0795	32.5137	0.0308	10.4779
20	0.3679	2.7183	12.9611	0.0772	35.2319	0.0284	11.1354
21	0.3499	2.8577	13.3290	0.0750	38.0896	0.0263	11.8004
22	0.3329	3.0042	13.6789	0.0731	41.0938	0.0243	12.4730
23	0.3166	3.1582	14.0118	0.0714	44.2519	0.0226	13.1529
24	0.3012	3.3201	14.3284	0.0698	47.5721	0.0210	13.8401
25	0.2865	3.4903	14.6296	0.0684	51.0624	0.0196	14.5346
26	0.2725	3.6693	14.9161	0.0670	54.7317	0.0183	15.2362
27	0.2592	3.8574	15.1887	0.0658	58.5891	0.0171	15.9449
28	0.2466	4.0552	15.4479	0.0647	62.6443	0.0160	16.6605
29	0.2346	4.2631	15.6945	0.0637	66.9074	0.0149	17.3830
30	0.2231	4.4817	15.9291	0.0628	71.3891	0.0140	18.1123
31	0.2122	4.7115	16.1522	0.0619	76.1006	0.0131	18.8483
32	0.2019	4.9530	16.3644	0.0611	81.0536	0.0123	19.5909
33	0.1920	5.2070	16.5663	0.0604	86.2606	0.0116	20.3399
34	0.1827	5.4739	16.7584	0.0597	91.7346	0.0109	21.0954
35	0.1738	5.7546	16.9411	0.0590	97.4892	0.0103	21.8571
40	0.1353	7.3891	17.7292	0.0564	131.0023	0.0076	25.7565
45	0.1054	9.4877	18.3430	0.0545	174.0339	0.0057	29.7976
50	0.0821	12.1825	18.8211	0.0531	229.2877	0.0044	33.9671
55	0.0639	15.6426	19.1934	0.0521	300.2350	0.0033	38.2520
60	0.0498	20.0855	19.4833	0.0513	391.3330	0.0026	42.6396
65	0.0388	25.7903	19.7091	0.0507	508.3053	0.0020	47.1178
70	0.0302	33.1155	19.8850	0.0503	658.5006	0.0015	51.6755
75	0.0235	42.5211	20.0220	0.0499	851.3552	0.0012	56.3021
80	0.0183	54.5982	20.1286	0.0497	1098.9854	0.0009	60.9884
85	0.0143	70.1054	20.2117	0.0495	1416.9489	0.0007	65.7258
90	0.0111	90.0171	20.2764	0.0493	1825.2221	0.0005	70.5069
95	0.0087	115.5843	20.3268	0.0492	2349.4552	0.0004	75.3249
100	0.0067	148.4132	20.3660	0.0491	3022.5840	0.0003	80.1742

n	Single Payment		Equal Payment Series				Uniform
	Compound- amount Factor	Present- worth Factor	Compound- amount Factor	Sinking- fund Factor	Present- worth Factor	Capital- recovery Factor	Gradient- Series Factor
	to find F given P F/P, i, n	to find P given F P/F, i, n	to find F given A F/A, i, n	to find A given F A/F, i, n	to find P given A P/A, i, n	to find A given P A/P, i, n	to find A given G A/G, i, n
1	0.9418	1.0618	1.0000	1.0000	1.0618	0.9418	0.0000
2	0.8869	1.1275	1.9418	0.5150	2.1893	0.4568	0.5150
3	0.8353	1.1972	2.8287	0.3535	3.3866	0.2953	1.0400
4	0.7866	1.2712	3.6640	0.2729	4.6578	0.2147	1.5749
5	0.7408	1.3499	4.4506	0.2247	6.0077	0.1665	2.1198
6	0.6977	1.4333	5.1914	0.1926	7.4410	0.1344	2.6746
7	0.6570	1.5220	5.8891	0.1698	8.9629	0.1116	3.2393
8	0.6188	1.6161	6.5461	0.1528	10.5790	0.0945	3.8138
9	0.5827	1.7160	7.1649	0.1396	12.2950	0.0813	4.3980
10	0.5488	1.8221	7.7477	0.1291	14.1171	0.0708	4.9920
11	0.5169	1.9348	8.2965	0.1205	16.0519	0.0623	5.5957
12	0.4868	2.0544	8.8133	0.1135	18.1064	0.0552	6.2089
13	0.4584	2.1815	9.3001	0.1075	20.2878	0.0493	6.8316
14	0.4317	2.3164	9.7585	0.1025	22.6042	0.0442	7.4637
15	0.4066	2.4596	10.1902	0.0981	25.0638	0.0399	8.1051
16	0.3829	2.6117	10.5968	0.0944	27.6755	0.0361	8.7558
17	0.3606	2.7732	10.9797	0.0911	30.4487	0.0328	9.4155
18	0.3396	2.9447	11.3402	0.0882	33.3934	0.0299	10.0844
19	0.3198	3.1268	11.6798	0.0856	36.5202	0.0274	10.7621
20	0.3012	3.3201	11.9997	0.0833	39.8403	0.0251	11.4486
21	0.2837	3.5254	12.3009	0.0813	43.3657	0.0231	12.1438
22	0.2671	3.7434	12.5845	0.0795	47.1091	0.0212	12.8475
23	0.2516	3.9749	12.8516	0.0778	51.0840	0.0196	13.5597
24	0.2369	4.2207	13.1032	0.0763	55.3047	0.0181	14.2801
25	0.2231	4.4817	13.3401	0.0750	59.7864	0.0167	15.0088
26	0.2101	4.7588	13.5633	0.0737	64.5452	0.0155	15.7454
27	0.1979	5.0531	13.7734	0.0726	69.5983	0.0144	16.4899
28	0.1864	5.3656	13.9713	0.0716	74.9639	0.0133	17.2422
29	0.1755	5.6973	14.1577	0.0706	80.6612	0.0124	18.0020
30	0.1653	6.0496	14.3332	0.0698	86.7109	0.0115	18.7693
31	0.1557	6.4237	14.4985	0.0690	93.1346	0.0107	19.5440
32	0.1466	6.8210	14.6542	0.0682	99.9556	0.0100	20.3257
33	0.1381	7.2427	14.8008	0.0676	107.1983	0.0093	21.1145
34	0.1300	7.6906	14.9389	0.0669	114.8889	0.0087	21.9101
35	0.1225	8.1662	15.0689	0.0664	123.0551	0.0081	22.7124
40	0.0907	11.0232	15.6139	0.0640	172.1146	0.0058	26.8191
45	0.0672	14.8797	16.0176	0.0624	238.3381	0.0042	31.0705
50	0.0498	20.0855	16.3167	0.0613	327.7305	0.0031	35.4481
55	0.0369	27.1126	16.5383	0.0605	448.3975	0.0022	39.9346
60	0.0273	36.5982	16.7025	0.0599	611.2810	0.0016	44.5138
65	0.0202	49.4024	16.8241	0.0594	831.1507	0.0012	49.1712
70	0.0150	66.6863	16.9142	0.0591	1127.9438	0.0009	53.8940
75	0.0111	90.0171	16.9809	0.0589	1528.5725	0.0007	58.6709
80	0.0082	121.5104	17.0303	0.0587	2069.3647	0.0005	63.4922
85	0.0061	164.0219	17.0670	0.0586	2799.3578	0.0004	68.3497
90	0.0045	221.4064	17.0941	0.0585	3784.7454	0.0003	73.2367
95	0.0033	298.8674	17.1142	0.0584	5114.8796	0.0002	78.1473
100	0.0025	403.4288	17.1291	0.0584	6910.3730	0.0001	83.0768

n	Single Payment		Equal Payment Series				Uniform
	Compound- amount Factor	Present- worth Factor	Compound- amount Factor	Sinking- fund Factor	Present- worth Factor	Capital- recovery Factor	Gradient- Series Factor
	to find F given P F/P, i, n	to find P given F P/F, i, n	to find F given A F/A, i, n	to find A given F A/F, i, n	to find P given A P/A, i, n	to find A given P A/P, i, n	to find A given G A/G, i, n
1	0.9324	1.0725	1.0000	1.0000	1.0725	0.9324	0.0000
2	0.8694	1.1503	1.9324	0.5175	2.2228	0.4499	0.5175
3	0.8106	1.2337	2.8018	0.3569	3.4565	0.2893	1.0466
4	0.7558	1.3231	3.6123	0.2768	4.7796	0.2092	1.5874
5	0.7047	1.4191	4.3681	0.2289	6.1987	0.1613	2.1397
6	0.6570	1.5220	5.0728	0.1971	7.7206	0.1295	2.7036
7	0.6126	1.6323	5.7299	0.1745	9.3529	0.1069	3.2789
8	0.5712	1.7507	6.3425	0.1577	11.1036	0.0901	3.8656
9	0.5326	1.8776	6.9137	0.1446	12.9812	0.0770	4.4636
10	0.4966	2.0138	7.4463	0.1343	14.9950	0.0667	5.0728
11	0.4630	2.1598	7.9429	0.1259	17.1547	0.0583	5.6931
12	0.4317	2.3164	8.4059	0.1190	19.4711	0.0514	6.3245
13	0.4025	2.4843	8.8376	0.1132	21.9554	0.0455	6.9667
14	0.3753	2.6645	9.2401	0.1082	24.6199	0.0406	7.6196
15	0.3499	2.8577	9.6154	0.1040	27.4775	0.0364	8.2832
16	0.3263	3.0649	9.9654	0.1003	30.5424	0.0327	8.9572
17	0.3042	3.2871	10.2916	0.0972	33.8295	0.0296	9.6415
18	0.2837	3.5254	10.5959	0.0944	37.3549	0.0268	10.3360
19	0.2645	3.7810	10.8795	0.0919	41.1359	0.0243	11.0404
20	0.2466	4.0552	11.1440	0.0897	45.1911	0.0221	11.7547
21	0.2299	4.3492	11.3906	0.0878	49.5404	0.0202	12.4785
22	0.2144	4.6646	11.6205	0.0861	54.2050	0.0184	13.2119
23	0.1999	5.0028	11.8349	0.0845	59.2078	0.0169	13.9544
24	0.1864	5.3656	12.0348	0.0831	64.5733	0.0155	14.7060
25	0.1738	5.7546	12.2212	0.0818	70.3279	0.0142	15.4665
26	0.1620	6.1719	12.3949	0.0807	76.4998	0.0131	16.2357
27	0.1511	6.6194	12.5570	0.0796	83.1192	0.0120	17.0133
28	0.1409	7.0993	12.7080	0.0787	90.2185	0.0111	17.7991
29	0.1313	7.6141	12.8489	0.0778	97.8326	0.0102	18.5930
30	0.1225	8.1662	12.9802	0.0770	105.9987	0.0094	19.3948
31	0.1142	8.7583	13.1027	0.0763	114.7570	0.0087	20.2042
32	0.1065	9.3933	13.2169	0.0757	124.1504	0.0081	21.0210
33	0.0993	10.0744	13.3233	0.0751	134.2248	0.0075	21.8450
34	0.0926	10.8049	13.4226	0.0745	145.0297	0.0069	22.6761
35	0.0863	11.5883	13.5151	0.0740	156.6180	0.0064	23.5140
40	0.0608	16.4446	13.8921	0.0720	228.4502	0.0044	27.7983
45	0.0429	23.3361	14.1577	0.0706	330.3850	0.0030	32.2231
50	0.0302	33.1155	14.3449	0.0697	475.0372	0.0021	36.7653
55	0.0213	46.9931	14.4768	0.0691	680.3086	0.0015	41.4043
60	0.0150	66.6863	14.5697	0.0686	971.6025	0.0010	46.1219
65	0.0106	94.6324	14.6352	0.0683	1384.9682	0.0007	50.9027
70	0.0074	134.2898	14.6814	0.0681	1971.5621	0.0005	55.7336
75	0.0052	190.5663	14.7139	0.0680	2803.9784	0.0004	60.6041
80	0.0037	270.4264	14.7369	0.0679	3985.2334	0.0003	65.5054
85	0.0026	383.7533	14.7530	0.0678	5661.5141	0.0002	70.4305
90	0.0018	544.5719	14.7644	0.0677	8040.2695	0.0001	75.3740
95	0.0013	772.7843	14.7724	0.0677	11415.8842	0.0001	80.3315
100	0.0009	1096.6332	14.7781	0.0677	16206.1095	0.0001	85.2997

n	Single Payment		Equal Payment Series				Uniform
	Compound- amount Factor	Present- worth Factor	Compound- amount Factor	Sinking- fund Factor	Present- worth Factor	Capital- recovery Factor	Gradient- Series Factor
	to find F given P F/P, i, n	to find P given F P/F, i, n	to find F given A F/A, i, n	to find A given F A/F, i, n	to find P given A P/A, i, n	to find A given P A/P, i, n	to find A given G A/G, i, n
1	0.9231	1.0833	1.0000	1.0000	1.0833	0.9231	0.0000
2	0.8521	1.1735	1.9231	0.5200	2.2568	0.4431	0.5200
3	0.7866	1.2712	2.7753	0.3603	3.5280	0.2834	1.0533
4	0.7261	1.3771	3.5619	0.2807	4.9052	0.2039	1.5998
5	0.6703	1.4918	4.2880	0.2332	6.3970	0.1563	2.1596
6	0.6188	1.6161	4.9584	0.2017	8.0131	0.1248	2.7324
7	0.5712	1.7507	5.5771	0.1793	9.7637	0.1024	3.3183
8	0.5273	1.8965	6.1483	0.1626	11.6602	0.0858	3.9171
9	0.4868	2.0544	6.6756	0.1498	13.7147	0.0729	4.5287
10	0.4493	2.2255	7.1624	0.1396	15.9402	0.0627	5.1530
11	0.4148	2.4109	7.6117	0.1314	18.3511	0.0545	5.7898
12	0.3829	2.6117	8.0265	0.1246	20.9628	0.0477	6.4389
13	0.3535	2.8292	8.4094	0.1189	23.7920	0.0420	7.1002
14	0.3263	3.0649	8.7629	0.1141	26.8569	0.0372	7.7735
15	0.3012	3.3201	9.0891	0.1100	30.1770	0.0331	8.4585
16	0.2780	3.5966	9.3903	0.1065	33.7736	0.0296	9.1551
17	0.2567	3.8962	9.6684	0.1034	37.6698	0.0265	9.8631
18	0.2369	4.2207	9.9250	0.1008	41.8905	0.0239	10.5822
19	0.2187	4.5722	10.1620	0.0984	46.4627	0.0215	11.3121
20	0.2019	4.9530	10.3807	0.0963	51.4158	0.0194	12.0527
21	0.1864	5.3656	10.5826	0.0945	56.7813	0.0176	12.8037
22	0.1720	5.8124	10.7689	0.0929	62.5938	0.0160	13.5648
23	0.1588	6.2965	10.9410	0.0914	68.8903	0.0145	14.3358
24	0.1466	6.8210	11.0998	0.0901	75.7113	0.0132	15.1164
25	0.1353	7.3891	11.2464	0.0889	83.1003	0.0120	15.9063
26	0.1249	8.0045	11.3817	0.0879	91.1048	0.0110	16.7053
27	0.1153	8.6711	11.5067	0.0869	99.7759	0.0100	17.5130
28	0.1065	9.3933	11.6220	0.0860	109.1693	0.0092	18.3293
29	0.0983	10.1757	11.7285	0.0853	119.3449	0.0084	19.1539
30	0.0907	11.0232	11.8267	0.0846	130.3681	0.0077	19.9864
31	0.0837	11.9413	11.9174	0.0839	142.3094	0.0070	20.8266
32	0.0773	12.9358	12.0012	0.0833	155.2452	0.0064	21.6743
33	0.0714	14.0132	12.0785	0.0828	169.2584	0.0059	22.5292
34	0.0659	15.1803	12.1499	0.0823	184.4387	0.0054	23.3910
35	0.0608	16.4446	12.2157	0.0819	200.8834	0.0050	24.2595
40	0.0408	24.5325	12.4765	0.0802	306.0798	0.0033	28.6931
45	0.0273	36.5982	12.6513	0.0790	463.0143	0.0022	33.2574
50	0.0183	54.5982	12.7684	0.0783	697.1332	0.0014	37.9262
55	0.0123	81.4509	12.8470	0.0778	1046.3976	0.0010	42.6770
60	0.0082	121.5104	12.8996	0.0775	1567.4387	0.0006	47.4912
65	0.0055	181.2722	12.9349	0.0773	2344.7408	0.0004	52.3539
70	0.0037	270.4264	12.9586	0.0772	3504.3393	0.0003	57.2531
75	0.0025	403.4288	12.9744	0.0771	5234.2569	0.0002	62.1797
80	0.0017	601.8450	12.9851	0.0770	7814.9907	0.0001	67.1265
85	0.0011	897.8473	12.9922	0.0770	11664.9931	0.0001	72.0881
90	0.0007	1339.4308	12.9970	0.0769	17408.5219	0.0001	77.0606
95	0.0005	1998.1959	13.0002	0.0769	25976.8599	0.0000	82.0409
100	0.0003	2980.9580	13.0023	0.0769	38759.3181	0.0000	87.0269

n	Single Payment		Equal Payment Series				Uniform
	Compound-amount Factor	Present-worth Factor	Compound-amount Factor	Sinking-fund Factor	Present-worth Factor	Capital-recovery Factor	Gradient-Series Factor
	to find F given P F/P, i, n	to find P given F P/F, i, n	to find F given A F/A, i, n	to find A given F A/F, i, n	to find P given A P/A, i, n	to find A given P A/P, i, n	to find A given G A/G, i, n
1	0.9139	1.0942	1.0000	1.0000	1.0942	0.9139	0.0000
2	0.8353	1.1972	1.9139	0.5225	2.2914	0.4364	0.5225
3	0.7634	1.3100	2.7492	0.3637	3.6014	0.2777	1.0599
4	0.6977	1.4333	3.5126	0.2847	5.0347	0.1986	1.6122
5	0.6376	1.5683	4.2103	0.2375	6.6030	0.1514	2.1794
6	0.5827	1.7160	4.8479	0.2063	8.3190	0.1202	2.7612
7	0.5326	1.8776	5.4306	0.1841	10.1966	0.0981	3.3576
8	0.4868	2.0544	5.9632	0.1677	12.2510	0.0816	3.9684
9	0.4449	2.2479	6.4500	0.1550	14.4990	0.0690	4.5935
10	0.4066	2.4596	6.8948	0.1450	16.9586	0.0590	5.2326
11	0.3716	2.6912	7.3014	0.1370	19.6498	0.0509	5.8855
12	0.3396	2.9447	7.6730	0.1303	22.5945	0.0443	6.5521
13	0.3104	3.2220	8.0126	0.1248	25.8165	0.0387	7.2320
14	0.2837	3.5254	8.3229	0.1201	29.3419	0.0341	7.9250
15	0.2592	3.8574	8.6066	0.1162	33.1993	0.0301	8.6309
16	0.2369	4.2207	8.8658	0.1128	37.4200	0.0267	9.3493
17	0.2165	4.6182	9.1028	0.1099	42.0382	0.0238	10.0799
18	0.1979	5.0531	9.3193	0.1073	47.0913	0.0212	10.8224
19	0.1809	5.5290	9.5172	0.1051	52.6202	0.0190	11.5766
20	0.1653	6.0496	9.6981	0.1031	58.6699	0.0170	12.3421
21	0.1511	6.6194	9.8634	0.1014	65.2893	0.0153	13.1185
22	0.1381	7.2427	10.0144	0.0999	72.5320	0.0138	13.9055
23	0.1262	7.9248	10.1525	0.0985	80.4568	0.0124	14.7028
24	0.1153	8.6711	10.2787	0.0973	89.1280	0.0112	15.5100
25	0.1054	9.4877	10.3940	0.0962	98.6157	0.0101	16.3268
26	0.0963	10.3812	10.4994	0.0952	108.9969	0.0092	17.1529
27	0.0880	11.3589	10.5957	0.0944	120.3558	0.0083	17.9878
28	0.0805	12.4286	10.6838	0.0936	132.7844	0.0075	18.8314
29	0.0735	13.5991	10.7642	0.0929	146.3835	0.0068	19.6832
30	0.0672	14.8797	10.8378	0.0923	161.2632	0.0062	20.5428
31	0.0614	16.2810	10.9050	0.0917	177.5442	0.0056	21.4101
32	0.0561	17.8143	10.9664	0.0912	195.3585	0.0051	22.2845
33	0.0513	19.4919	11.0225	0.0907	214.8504	0.0047	23.1660
34	0.0469	21.3276	11.0738	0.0903	236.1780	0.0042	24.0540
35	0.0429	23.3361	11.1207	0.0899	259.5140	0.0039	24.9484
40	0.0273	36.5982	11.3011	0.0885	413.6020	0.0024	29.5050
45	0.0174	57.3975	11.4162	0.0876	655.2601	0.0015	34.1793
50	0.0111	90.0171	11.4895	0.0870	1034.2553	0.0010	38.9431
55	0.0071	141.1750	11.5363	0.0867	1628.6383	0.0006	43.7738
60	0.0045	221.4064	11.5661	0.0865	2560.8162	0.0004	48.6536
65	0.0029	347.2344	11.5851	0.0863	4022.7623	0.0002	53.5691
70	0.0018	544.5719	11.5973	0.0862	6315.5501	0.0002	58.5102
75	0.0012	854.0588	11.6050	0.0862	9911.3572	0.0001	63.4693
80	0.0007	1339.4308	11.6099	0.0861	15550.7052	0.0001	68.4412
85	0.0005	2100.6456	11.6131	0.0861	24394.9634	0.0000	73.4219
90	0.0003	3294.4681	11.6151	0.0861	38265.5214	0.0000	78.4087
95	0.0002	5166.7544	11.6164	0.0861	60018.8866	0.0000	83.3998
100	0.0001	8103.0839	11.6172	0.0861	94134.9541	0.0000	88.3937

n	Single Payment		Equal Payment Series				Uniform
	Compound-amount Factor	Present-worth Factor	Compound-amount Factor	Sinking-fund Factor	Present-worth Factor	Capital-recovery Factor	Gradient-Series Factor
	to find F given P F/P, i, n	to find P given F P/F, i, n	to find F given A F/A, i, n	to find A given F A/F, i, n	to find P given A P/A, i, n	to find A given P A/P, i, n	to find A given G A/G, i, n
1	0.9048	1.1052	1.0000	1.0000	1.1052	0.9048	0.0000
2	0.8187	1.2214	1.9048	0.5250	2.3266	0.4298	0.5250
3	0.7408	1.3499	2.7236	0.3672	3.6764	0.2720	1.0666
4	0.6703	1.4918	3.4644	0.2887	5.1683	0.1935	1.6246
5	0.6065	1.6487	4.1347	0.2419	6.8170	0.1467	2.1991
6	0.5488	1.8221	4.7412	0.2109	8.6391	0.1158	2.7899
7	0.4966	2.0138	5.2900	0.1890	10.6528	0.0939	3.3967
8	0.4493	2.2255	5.7866	0.1728	12.8784	0.0776	4.0194
9	0.4066	2.4596	6.2360	0.1604	15.3380	0.0652	4.6577
10	0.3679	2.7183	6.6425	0.1505	18.0563	0.0554	5.3114
11	0.3329	3.0042	7.0104	0.1426	21.0604	0.0475	5.9802
12	0.3012	3.3201	7.3433	0.1362	24.3806	0.0410	6.6638
13	0.2725	3.6693	7.6445	0.1308	28.0499	0.0357	7.3619
14	0.2466	4.0552	7.9170	0.1263	32.1051	0.0311	8.0740
15	0.2231	4.4817	8.1636	0.1225	36.5867	0.0273	8.7999
16	0.2019	4.9530	8.3867	0.1192	41.5398	0.0241	9.5392
17	0.1827	5.4739	8.5886	0.1164	47.0137	0.0213	10.2914
18	0.1653	6.0496	8.7713	0.1140	53.0634	0.0188	11.0563
19	0.1496	6.6859	8.9366	0.1119	59.7493	0.0167	11.8333
20	0.1353	7.3891	9.0862	0.1101	67.1383	0.0149	12.6220
21	0.1225	8.1662	9.2215	0.1084	75.3045	0.0133	13.4221
22	0.1108	9.0250	9.3440	0.1070	84.3295	0.0119	14.2331
23	0.1003	9.9742	9.4548	0.1058	94.3037	0.0106	15.0546
24	0.0907	11.0232	9.5550	0.1047	105.3269	0.0095	15.8861
25	0.0821	12.1825	9.6458	0.1037	117.5094	0.0085	16.7273
26	0.0743	13.4637	9.7278	0.1028	130.9731	0.0076	17.5777
27	0.0672	14.8797	9.8021	0.1020	145.8528	0.0069	18.4370
28	0.0608	16.4446	9.8693	0.1013	162.2975	0.0062	19.3046
29	0.0550	18.1741	9.9301	0.1007	180.4716	0.0055	20.1803
30	0.0498	20.0855	9.9852	0.1001	200.5572	0.0050	21.0635
31	0.0450	22.1980	10.0349	0.0997	222.7551	0.0045	21.9541
32	0.0408	24.5325	10.0800	0.0992	247.2876	0.0040	22.8515
33	0.0369	27.1126	10.1208	0.0988	274.4003	0.0036	23.7554
34	0.0334	29.9641	10.1576	0.0984	304.3644	0.0033	24.6655
35	0.0302	33.1155	10.1910	0.0981	337.4798	0.0030	25.5815
40	0.0183	54.5982	10.3159	0.0969	563.2272	0.0018	30.2380
45	0.0111	90.0171	10.3916	0.0962	935.4216	0.0011	34.9972
50	0.0067	148.4132	10.4375	0.0958	1549.0664	0.0006	39.8309
55	0.0041	244.6919	10.4654	0.0956	2560.7957	0.0004	44.7174
60	0.0025	403.4288	10.4823	0.0954	4228.8553	0.0002	49.6408
65	0.0015	665.1416	10.4925	0.0953	6979.0207	0.0001	54.5895
70	0.0009	1096.6332	10.4987	0.0952	11513.2769	0.0001	59.5556
75	0.0006	1808.0424	10.5025	0.0952	18989.0015	0.0001	64.5332
80	0.0003	2980.9580	10.5048	0.0952	31314.3877	0.0000	69.5185
85	0.0002	4914.7688	10.5062	0.0952	51635.5141	0.0000	74.5090
90	0.0001	8103.0839	10.5070	0.0952	85139.3874	0.0000	79.5028
95	0.0001	13359.7268	10.5075	0.0952	140377.9359	0.0000	84.4988
100	0.0000	22026.4658	10.5079	0.0952	231450.9058	0.0000	89.4962

n	Single Payment		Equal Payment Series				Uniform
	Compound-amount Factor	Present-worth Factor	Compound-amount Factor	Sinking-fund Factor	Present-worth Factor	Capital-recovery Factor	Gradient-Series Factor
	to find F given P F/P, i, n	to find P given F P/F, i, n	to find F given A F/A, i, n	to find A given F A/F, i, n	to find P given A P/A, i, n	to find A given P A/P, i, n	to find A given G A/G, i, n
1	0.8958	1.1163	1.0000	1.0000	1.1163	0.8958	0.0000
2	0.8025	1.2461	1.8958	0.5275	2.3624	0.4233	0.5275
3	0.7189	1.3910	2.6984	0.3706	3.7533	0.2664	1.0732
4	0.6440	1.5527	3.4173	0.2926	5.3060	0.1885	1.6370
5	0.5769	1.7333	4.0613	0.2462	7.0393	0.1421	2.2189
6	0.5169	1.9348	4.6383	0.2156	8.9741	0.1114	2.8185
7	0.4630	2.1598	5.1551	0.1940	11.1338	0.0898	3.4356
8	0.4148	2.4109	5.6181	0.1780	13.5447	0.0738	4.0701
9	0.3716	2.6912	6.0329	0.1658	16.2360	0.0616	4.7215
10	0.3329	3.0042	6.4045	0.1561	19.2401	0.0520	5.3895
11	0.2982	3.3535	6.7374	0.1484	22.5936	0.0443	6.0738
12	0.2671	3.7434	7.0356	0.1421	26.3370	0.0380	6.7740
13	0.2393	4.1787	7.3027	0.1369	30.5157	0.0328	7.4896
14	0.2144	4.6646	7.5420	0.1326	35.1803	0.0284	8.2203
15	0.1920	5.2070	7.7564	0.1289	40.3873	0.0248	8.9654
16	0.1720	5.8124	7.9484	0.1258	46.1998	0.0216	9.7246
17	0.1541	6.4883	8.1205	0.1231	52.6881	0.0190	10.4974
18	0.1381	7.2427	8.2746	0.1209	59.9308	0.0167	11.2833
19	0.1237	8.0849	8.4127	0.1189	68.0157	0.0147	12.0817
20	0.1108	9.0250	8.5364	0.1171	77.0407	0.0130	12.8921
21	0.0993	10.0744	8.6472	0.1156	87.1151	0.0115	13.7141
22	0.0889	11.2459	8.7464	0.1143	98.3610	0.0102	14.5471
23	0.0797	12.5535	8.8353	0.1132	110.9145	0.0090	15.3907
24	0.0714	14.0132	8.9150	0.1122	124.9277	0.0080	16.2442
25	0.0639	15.6426	8.9864	0.1113	140.5703	0.0071	17.1073
26	0.0573	17.4615	9.0503	0.1105	158.0319	0.0063	17.9794
27	0.0513	19.4919	9.1076	0.1098	177.5238	0.0056	18.8600
28	0.0460	21.7584	9.1589	0.1092	199.2822	0.0050	19.7488
29	0.0412	24.2884	9.2048	0.1086	223.5706	0.0045	20.6452
30	0.0369	27.1126	9.2460	0.1082	250.6833	0.0040	21.5488
31	0.0330	30.2652	9.2829	0.1077	280.9485	0.0036	22.4592
32	0.0296	33.7844	9.3159	0.1073	314.7329	0.0032	23.3760
33	0.0265	37.7128	9.3455	0.1070	352.4458	0.0028	24.2988
34	0.0238	42.0980	9.3720	0.1067	394.5437	0.0025	25.2272
35	0.0213	46.9931	9.3958	0.1064	441.5368	0.0023	26.1609
40	0.0123	81.4509	9.4822	0.1055	772.3343	0.0013	30.8971
45	0.0071	141.1750	9.5321	0.1049	1345.6900	0.0007	35.7210
50	0.0041	244.6919	9.5608	0.1046	2339.4606	0.0004	40.6051
55	0.0024	424.1130	9.5774	0.1044	4061.9164	0.0002	45.5299
60	0.0014	735.0952	9.5870	0.1043	7047.3681	0.0001	50.4817
65	0.0008	1274.1060	9.5925	0.1042	12221.9113	0.0001	55.4510
70	0.0005	2208.3480	9.5957	0.1042	21190.7039	0.0000	60.4316
75	0.0003	3827.6258	9.5976	0.1042	36735.8907	0.0000	65.4195
80	0.0002	6634.2440	9.5986	0.1042	63679.6327	0.0000	70.4120
85	0.0001	11498.8234	9.5992	0.1042	110379.9549	0.0000	75.4073
90	0.0001	19930.3704	9.5996	0.1042	191323.4292	0.0000	80.4044
95	0.0000	34544.3747	9.5998	0.1042	331618.9503	0.0000	85.4027
100	0.0000	59874.1417	9.5999	0.1042	574786.5857	0.0000	90.4016

n	Single Payment		Equal Payment Series				Uniform
	Compound- amount Factor	Present- worth Factor	Compound- amount Factor	Sinking- fund Factor	Present- worth Factor	Capital- recovery Factor	Gradient- Series Factor
	to find F given P F/P, i, n	to find P given F P/F, i, n	to find F given A F/A, i, n	to find A given F A/F, i, n	to find P given A P/A, i, n	to find A given P A/P, i, n	to find A given G A/G, i, n
1	0.8869	1.1275	1.0000	1.0000	1.1275	0.8869	0.0000
2	0.7866	1.2712	1.8869	0.5300	2.3987	0.4169	0.5300
3	0.6977	1.4333	2.6735	0.3740	3.8321	0.2610	1.0798
4	0.6188	1.6161	3.3712	0.2966	5.4481	0.1835	1.6494
5	0.5488	1.8221	3.9900	0.2506	7.2703	0.1375	2.2385
6	0.4868	2.0544	4.5388	0.2203	9.3247	0.1072	2.8469
7	0.4317	2.3164	5.0256	0.1990	11.6411	0.0859	3.4743
8	0.3829	2.6117	5.4573	0.1832	14.2528	0.0702	4.1204
9	0.3396	2.9447	5.8402	0.1712	17.1974	0.0581	4.7847
10	0.3012	3.3201	6.1798	0.1618	20.5176	0.0487	5.4668
11	0.2671	3.7434	6.4810	0.1543	24.2610	0.0412	6.1663
12	0.2369	4.2207	6.7481	0.1482	28.4817	0.0351	6.8826
13	0.2101	4.7588	6.9850	0.1432	33.2405	0.0301	7.6152
14	0.1864	5.3656	7.1952	0.1390	38.6061	0.0259	8.3636
15	0.1653	6.0496	7.3815	0.1355	44.6557	0.0224	9.1272
16	0.1466	6.8210	7.5468	0.1325	51.4767	0.0194	9.9054
17	0.1300	7.6906	7.6934	0.1300	59.1673	0.0169	10.6975
18	0.1153	8.6711	7.8235	0.1278	67.8384	0.0147	11.5031
19	0.1023	9.7767	7.9388	0.1260	77.6151	0.0129	12.3215
20	0.0907	11.0232	8.0411	0.1244	88.6383	0.0113	13.1520
21	0.0805	12.4286	8.1318	0.1230	101.0669	0.0099	13.9942
22	0.0714	14.0132	8.2123	0.1218	115.0801	0.0087	14.8473
23	0.0633	15.7998	8.2836	0.1207	130.8799	0.0076	15.7107
24	0.0561	17.8143	8.3469	0.1198	148.6942	0.0067	16.5840
25	0.0498	20.0855	8.4030	0.1190	168.7797	0.0059	17.4666
26	0.0442	22.6464	8.4528	0.1183	191.4261	0.0052	18.3578
27	0.0392	25.5337	8.4970	0.1177	216.9598	0.0046	19.2572
28	0.0347	28.7892	8.5362	0.1171	245.7490	0.0041	20.1643
29	0.0308	32.4597	8.5709	0.1167	278.2087	0.0036	21.0785
30	0.0273	36.5982	8.6017	0.1163	314.8070	0.0032	21.9994
31	0.0242	41.2644	8.6290	0.1159	356.0714	0.0028	22.9266
32	0.0215	46.5255	8.6533	0.1156	402.5968	0.0025	23.8596
33	0.0191	52.4573	8.6747	0.1153	455.0542	0.0022	24.7980
34	0.0169	59.1455	8.6938	0.1150	514.1996	0.0019	25.7414
35	0.0150	66.6863	8.7107	0.1148	580.8860	0.0017	26.6895
40	0.0082	121.5104	8.7706	0.1140	1065.7135	0.0009	31.4886
45	0.0045	221.4064	8.8034	0.1136	1949.1269	0.0005	36.3608
50	0.0025	403.4288	8.8214	0.1134	3558.8110	0.0003	41.2809
55	0.0014	735.0952	8.8313	0.1132	6491.8467	0.0002	46.2316
60	0.0007	1339.4308	8.8367	0.1132	11836.1862	0.0001	51.2015
65	0.0004	2440.6020	8.8397	0.1131	21574.2076	0.0000	56.1833
70	0.0002	4447.0667	8.8413	0.1131	39318.0396	0.0000	61.1724
75	0.0001	8103.0839	8.8422	0.1131	71649.4094	0.0000	66.1659
80	0.0001	14764.7816	8.8427	0.1131	130561.0062	0.0000	71.1621
85	0.0000	26903.1861	8.8430	0.1131	237904.9343	0.0000	76.1598
90	0.0000	49020.8011	8.8432	0.1131	433498.3238	0.0000	81.1585
95	0.0000	89321.7234	8.8432	0.1131	789892.7160	0.0000	86.1577
100	0.0000	162754.7914	8.8433	0.1131	1439285.6383	0.0000	91.1573

n	Single Payment		Equal Payment Series				Uniform
	Compound-amount Factor	Present-worth Factor	Compound-amount Factor	Sinking-fund Factor	Present-worth Factor	Capital-recovery Factor	Gradient-Series Factor
	to find F given P F/P, i, n	to find P given F P/F, i, n	to find F given A F/A, i, n	to find A given F A/F, i, n	to find P given A P/A, i, n	to find A given P A/P, i, n	to find A given G A/G, i, n
1	0.8781	1.1388	1.0000	1.0000	1.1388	0.8781	0.0000
2	0.7711	1.2969	1.8781	0.5325	2.4358	0.4105	0.5325
3	0.6771	1.4770	2.6491	0.3775	3.9127	0.2556	1.0864
4	0.5945	1.6820	3.3262	0.3006	5.5948	0.1787	1.6617
5	0.5220	1.9155	3.9207	0.2551	7.5103	0.1332	2.2581
6	0.4584	2.1815	4.4428	0.2251	9.6918	0.1032	2.8753
7	0.4025	2.4843	4.9012	0.2040	12.1761	0.0821	3.5128
8	0.3535	2.8292	5.3037	0.1885	15.0053	0.0666	4.1703
9	0.3104	3.2220	5.6572	0.1768	18.2273	0.0549	4.8473
10	0.2725	3.6693	5.9675	0.1676	21.8966	0.0457	5.5432
11	0.2393	4.1787	6.2401	0.1603	26.0753	0.0384	6.2574
12	0.2101	4.7588	6.4794	0.1543	30.8341	0.0324	6.9894
13	0.1845	5.4195	6.6895	0.1495	36.2536	0.0276	7.7384
14	0.1620	6.1719	6.8740	0.1455	42.4255	0.0236	8.5038
15	0.1423	7.0287	7.0360	0.1421	49.4542	0.0202	9.2850
16	0.1249	8.0045	7.1783	0.1393	57.4586	0.0174	10.0811
17	0.1097	9.1157	7.3032	0.1369	66.5743	0.0150	10.8916
18	0.0963	10.3812	7.4129	0.1349	76.9556	0.0130	11.7156
19	0.0846	11.8224	7.5093	0.1332	88.7780	0.0113	12.5525
20	0.0743	13.4637	7.5939	0.1317	102.2418	0.0098	13.4015
21	0.0652	15.3329	7.6681	0.1304	117.5746	0.0085	14.2620
22	0.0573	17.4615	7.7334	0.1293	135.0362	0.0074	15.1333
23	0.0503	19.8857	7.7906	0.1284	154.9219	0.0065	16.0147
24	0.0442	22.6464	7.8409	0.1275	177.5682	0.0056	16.9056
25	0.0388	25.7903	7.8851	0.1268	203.3586	0.0049	17.8053
26	0.0340	29.3708	7.9238	0.1262	232.7293	0.0043	18.7133
27	0.0299	33.4483	7.9579	0.1257	266.1776	0.0038	19.6290
28	0.0263	38.0918	7.9878	0.1252	304.2695	0.0033	20.5517
29	0.0231	43.3801	8.0140	0.1248	347.6495	0.0029	21.4811
30	0.0202	49.4024	8.0371	0.1244	397.0520	0.0025	22.4167
31	0.0178	56.2609	8.0573	0.1241	453.3129	0.0022	23.3578
32	0.0156	64.0715	8.0751	0.1238	517.3844	0.0019	24.3042
33	0.0137	72.9665	8.0907	0.1236	590.3509	0.0017	25.2554
34	0.0120	83.0963	8.1044	0.1234	673.4472	0.0015	26.2110
35	0.0106	94.6324	8.1165	0.1232	768.0796	0.0013	27.1707
40	0.0055	181.2722	8.1579	0.1226	1478.7981	0.0007	32.0187
45	0.0029	347.2344	8.1795	0.1223	2840.2084	0.0004	36.9268
50	0.0015	665.1416	8.1908	0.1221	5448.0455	0.0002	41.8721
55	0.0008	1274.1060	8.1967	0.1220	10443.4638	0.0001	46.8401
60	0.0004	2440.6020	8.1998	0.1220	20012.3916	0.0000	51.8215
65	0.0002	4675.0727	8.2014	0.1219	38342.0636	0.0000	56.8108
70	0.0001	8955.2927	8.2022	0.1219	73453.2985	0.0000	61.8047
75	0.0001	17154.2288	8.2027	0.1219	140710.3026	0.0000	66.8012
80	0.0000	32859.6257	8.2029	0.1219	269543.8401	0.0000	71.7993
85	0.0000	62943.9546	8.2030	0.1219	516329.7412	0.0000	76.7982
90	0.0000	120571.7150	8.2031	0.1219	989058.2108	0.0000	81.7976
95	0.0000	230960.0429	8.2031	0.1219	1894588.8954	0.0000	86.7973
100	0.0000	442413.3920	8.2031	0.1219	3629169.8937	0.0000	91.7971

n	Single Payment		Equal Payment Series				Uniform
	Compound-amount Factor	Present-worth Factor	Compound-amount Factor	Sinking-fund Factor	Present-worth Factor	Capital-recovery Factor	Gradient-Series Factor
	to find F given P F/P, i, n	to find P given F P/F, i, n	to find F given A F/A, i, n	to find A given F A/F, i, n	to find P given A P/A, i, n	to find A given P A/P, i, n	to find A given G A/G, i, n
1	0.8694	1.1503	1.0000	1.0000	1.1503	0.8694	0.0000
2	0.7558	1.3231	1.8694	0.5349	2.4734	0.4043	0.5349
3	0.6570	1.5220	2.6251	0.3809	3.9954	0.2503	1.0930
4	0.5712	1.7507	3.2822	0.3047	5.7460	0.1740	1.6740
5	0.4966	2.0138	3.8534	0.2595	7.7598	0.1289	2.2776
6	0.4317	2.3164	4.3500	0.2299	10.0762	0.0992	2.9035
7	0.3753	2.6645	4.7817	0.2091	12.7406	0.0785	3.5511
8	0.3263	3.0649	5.1570	0.1939	15.8055	0.0633	4.2198
9	0.2837	3.5254	5.4833	0.1824	19.3309	0.0517	4.9092
10	0.2466	4.0552	5.7669	0.1734	23.3861	0.0428	5.6186
11	0.2144	4.6646	6.0135	0.1663	28.0507	0.0356	6.3472
12	0.1864	5.3656	6.2279	0.1606	33.4162	0.0299	7.0943
13	0.1620	6.1719	6.4143	0.1559	39.5881	0.0253	7.8591
14	0.1409	7.0993	6.5763	0.1521	46.6874	0.0214	8.6408
15	0.1225	8.1662	6.7172	0.1489	54.8536	0.0182	9.4386
16	0.1065	9.3933	6.8396	0.1462	64.2469	0.0156	10.2518
17	0.0926	10.8049	6.9461	0.1440	75.0518	0.0133	11.0793
18	0.0805	12.4286	7.0386	0.1421	87.4804	0.0114	11.9205
19	0.0699	14.2963	7.1191	0.1405	101.7767	0.0098	12.7745
20	0.0608	16.4446	7.1890	0.1391	118.2214	0.0085	13.6404
21	0.0529	18.9158	7.2499	0.1379	137.1372	0.0073	14.5176
22	0.0460	21.7584	7.3027	0.1369	158.8956	0.0063	15.4053
23	0.0400	25.0281	7.3487	0.1361	183.9237	0.0054	16.3027
24	0.0347	28.7892	7.3886	0.1353	212.7129	0.0047	17.2091
25	0.0302	33.1155	7.4234	0.1347	245.8284	0.0041	18.1239
26	0.0263	38.0918	7.4536	0.1342	283.9202	0.0035	19.0464
27	0.0228	43.8160	7.4798	0.1337	327.7362	0.0031	19.9761
28	0.0198	50.4004	7.5026	0.1333	378.1367	0.0026	20.9123
29	0.0172	57.9743	7.5225	0.1329	436.1110	0.0023	21.8545
30	0.0150	66.6863	7.5397	0.1326	502.7973	0.0020	22.8022
31	0.0130	76.7075	7.5547	0.1324	579.5049	0.0017	23.7550
32	0.0113	88.2347	7.5678	0.1321	667.7395	0.0015	24.7123
33	0.0099	101.4940	7.5791	0.1319	769.2336	0.0013	25.6739
34	0.0086	116.7459	7.5890	0.1318	885.9795	0.0011	26.6392
35	0.0074	134.2898	7.5975	0.1316	1020.2693	0.0010	27.6081
40	0.0037	270.4264	7.6262	0.1311	2062.3298	0.0005	32.4939
45	0.0018	544.5719	7.6405	0.1309	4160.7821	0.0002	37.4283
50	0.0009	1096.6332	7.6475	0.1308	8386.5459	0.0001	42.3911
55	0.0005	2208.3480	7.6511	0.1307	16896.1894	0.0001	47.3704
60	0.0002	4447.0667	7.6528	0.1307	34032.5068	0.0000	52.3590
65	0.0001	8955.2927	7.6537	0.1307	68540.8126	0.0000	57.3527
70	0.0001	18033.7449	7.6541	0.1306	138032.0067	0.0000	62.3494
75	0.0000	36315.5027	7.6543	0.1306	277970.0870	0.0000	67.3475
80	0.0000	73130.4418	7.6544	0.1306	559770.7751	0.0000	72.3466
85	0.0000	147266.6252	7.6545	0.1306	1127247.6737	0.0000	77.3461
90	0.0000	296558.5653	7.6545	0.1306	2270005.8148	0.0000	82.3458
95	0.0000	597195.6138	7.6545	0.1306	4571238.1153	0.0000	87.3456
100	0.0000	1202604.2842	7.6545	0.1306	9205350.8909	0.0000	92.3456

n	Single Payment		Equal Payment Series				Uniform
	Compound-amount Factor	Present-worth Factor	Compound-amount Factor	Sinking-fund Factor	Present-worth Factor	Capital-recovery Factor	Gradient-Series Factor
	to find F given P F/P, i, n	to find P given F P/F, i, n	to find F given A F/A, i, n	to find A given F A/F, i, n	to find P given A P/A, i, n	to find A given P A/P, i, n	to find A given G A/G, i, n
1	0.8607	1.1618	1.0000	1.0000	1.1618	0.8607	0.0000
2	0.7408	1.3499	1.8607	0.5374	2.5117	0.3981	0.5374
3	0.6376	1.5683	2.6015	0.3844	4.0800	0.2451	1.0996
4	0.5488	1.8221	3.2392	0.3087	5.9021	0.1694	1.6863
5	0.4724	2.1170	3.7880	0.2640	8.0191	0.1247	2.2971
6	0.4066	2.4596	4.2603	0.2347	10.4787	0.0954	2.9315
7	0.3499	2.8577	4.6669	0.2143	13.3364	0.0750	3.5890
8	0.3012	3.3201	5.0168	0.1993	16.6565	0.0600	4.2689
9	0.2592	3.8574	5.3180	0.1880	20.5139	0.0487	4.9705
10	0.2231	4.4817	5.5773	0.1793	24.9956	0.0400	5.6930
11	0.1920	5.2070	5.8004	0.1724	30.2026	0.0331	6.4355
12	0.1653	6.0496	5.9925	0.1669	36.2522	0.0276	7.1972
13	0.1423	7.0287	6.1578	0.1624	43.2809	0.0231	7.9772
14	0.1225	8.1662	6.3000	0.1587	51.4471	0.0194	8.7745
15	0.1054	9.4877	6.4225	0.1557	60.9348	0.0164	9.5881
16	0.0907	11.0232	6.5279	0.1532	71.9580	0.0139	10.4171
17	0.0781	12.8071	6.6186	0.1511	84.7651	0.0118	11.2606
18	0.0672	14.8797	6.6967	0.1493	99.6448	0.0100	12.1177
19	0.0578	17.2878	6.7639	0.1478	116.9326	0.0086	12.9874
20	0.0498	20.0855	6.8217	0.1466	137.0182	0.0073	13.8688
21	0.0429	23.3361	6.8715	0.1455	160.3542	0.0062	14.7610
22	0.0369	27.1126	6.9144	0.1446	187.4669	0.0053	15.6633
23	0.0317	31.5004	6.9513	0.1439	218.9673	0.0046	16.5749
24	0.0273	36.5982	6.9830	0.1432	255.5655	0.0039	17.4950
25	0.0235	42.5211	7.0103	0.1426	298.0866	0.0034	18.4229
26	0.0202	49.4024	7.0338	0.1422	347.4890	0.0029	19.3580
27	0.0174	57.3975	7.0541	0.1418	404.8865	0.0025	20.2996
28	0.0150	66.6863	7.0715	0.1414	471.5728	0.0021	21.2471
29	0.0129	77.4785	7.0865	0.1411	549.0513	0.0018	22.2000
30	0.0111	90.0171	7.0994	0.1409	639.0684	0.0016	23.1579
31	0.0096	104.5850	7.1105	0.1406	743.6534	0.0013	24.1201
32	0.0082	121.5104	7.1201	0.1404	865.1638	0.0012	25.0864
33	0.0071	141.1750	7.1283	0.1403	1006.3388	0.0010	26.0563
34	0.0061	164.0219	7.1354	0.1401	1170.3607	0.0009	27.0294
35	0.0052	190.5663	7.1415	0.1400	1360.9269	0.0007	28.0055
40	0.0025	403.4288	7.1614	0.1396	2889.1015	0.0003	32.9202
45	0.0012	854.0588	7.1708	0.1395	6124.2470	0.0002	37.8736
50	0.0006	1808.0424	7.1752	0.1394	12973.0502	0.0001	42.8485
55	0.0003	3827.6258	7.1773	0.1393	27471.9666	0.0000	47.8352
60	0.0001	8103.0839	7.1783	0.1393	58166.1729	0.0000	52.8282
65	0.0001	17154.2288	7.1787	0.1393	123145.8081	0.0000	57.8246
70	0.0000	36315.5027	7.1790	0.1393	260707.6970	0.0000	62.8228
75	0.0000	76879.9198	7.1791	0.1393	551926.2180	0.0000	67.8218
80	0.0000	162754.7914	7.1791	0.1393	1168435.8317	0.0000	72.8213
85	0.0000	344551.8961	7.1791	0.1393	2473586.6943	0.0000	77.8211
90	0.0000	729416.3698	7.1792	0.1393	5236591.0921	0.0000	82.8210
95	0.0000	1544174.4671	7.1792	0.1393	11085871.4480	0.0000	87.8209
100	0.0000	3269017.3725	7.1792	0.1393	23468798.0587	0.0000	92.8209

n	Single Payment		Equal Payment Series				Uniform
	Compound-amount Factor	Present-worth Factor	Compound-amount Factor	Sinking-fund Factor	Present-worth Factor	Capital-recovery Factor	Gradient-Series Factor
	to find F given P F/P, i, n	to find P given F P/F, i, n	to find F given A F/A, i, n	to find A given F A/F, i, n	to find P given A P/A, i, n	to find A given P A/P, i, n	to find A given G A/G, i, n
1	0.8521	1.1735	1.0000	1.0000	1.1735	0.8521	0.0000
2	0.7261	1.3771	1.8521	0.5399	2.5506	0.3921	0.5399
3	0.6188	1.6161	2.5783	0.3879	4.1667	0.2400	1.1062
4	0.5273	1.8965	3.1971	0.3128	6.0632	0.1649	1.6986
5	0.4493	2.2255	3.7244	0.2685	8.2887	0.1206	2.3165
6	0.3829	2.6117	4.1737	0.2396	10.9004	0.0917	2.9595
7	0.3263	3.0649	4.5566	0.2195	13.9653	0.0716	3.6267
8	0.2780	3.5966	4.8829	0.2048	17.5619	0.0569	4.3176
9	0.2369	4.2207	5.1609	0.1938	21.7826	0.0459	5.0311
10	0.2019	4.9530	5.3978	0.1853	26.7357	0.0374	5.7664
11	0.1720	5.8124	5.5997	0.1786	32.5481	0.0307	6.5224
12	0.1466	6.8210	5.7718	0.1733	39.3690	0.0254	7.2982
13	0.1249	8.0045	5.9184	0.1690	47.3735	0.0211	8.0926
14	0.1065	9.3933	6.0433	0.1655	56.7668	0.0176	8.9047
15	0.0907	11.0232	6.1498	0.1626	67.7900	0.0148	9.7332
16	0.0773	12.9358	6.2405	0.1602	80.7258	0.0124	10.5772
17	0.0659	15.1803	6.3178	0.1583	95.9062	0.0104	11.4355
18	0.0561	17.8143	6.3837	0.1566	113.7204	0.0088	12.3072
19	0.0478	20.9052	6.4398	0.1553	134.6257	0.0074	13.1912
20	0.0408	24.5325	6.4876	0.1541	159.1582	0.0063	14.0866
21	0.0347	28.7892	6.5284	0.1532	187.9474	0.0053	14.9924
22	0.0296	33.7844	6.5631	0.1524	221.7318	0.0045	15.9077
23	0.0252	39.6464	6.5927	0.1517	261.3782	0.0038	16.8318
24	0.0215	46.5255	6.6180	0.1511	307.9037	0.0032	17.7638
25	0.0183	54.5982	6.6395	0.1506	362.5018	0.0028	18.7031
26	0.0156	64.0715	6.6578	0.1502	426.5734	0.0023	19.6489
27	0.0133	75.1886	6.6734	0.1498	501.7620	0.0020	20.6006
28	0.0113	88.2347	6.6867	0.1496	589.9967	0.0017	21.5576
29	0.0097	103.5443	6.6980	0.1493	693.5410	0.0014	22.5195
30	0.0082	121.5104	6.7077	0.1491	815.0514	0.0012	23.4856
31	0.0070	142.5938	6.7159	0.1489	957.6452	0.0010	24.4556
32	0.0060	167.3354	6.7229	0.1487	1124.9806	0.0009	25.4291
33	0.0051	196.3699	6.7289	0.1486	1321.3505	0.0008	26.4056
34	0.0043	230.4422	6.7340	0.1485	1551.7927	0.0006	27.3849
35	0.0037	270.4264	6.7383	0.1484	1822.2191	0.0005	28.3666
40	0.0017	601.8450	6.7521	0.1481	4063.7119	0.0002	33.3032
45	0.0007	1339.4308	6.7583	0.1480	9052.2458	0.0001	38.2703
50	0.0003	2980.9580	6.7611	0.1479	20154.4322	0.0000	43.2535
55	0.0002	6634.2440	6.7623	0.1479	44862.8026	0.0000	48.2450
60	0.0001	14764.7816	6.7629	0.1479	99852.2921	0.0000	53.2407
65	0.0000	32859.6257	6.7631	0.1479	222233.6515	0.0000	58.2387
70	0.0000	73130.4418	6.7632	0.1479	494598.3758	0.0000	63.2376
75	0.0000	162754.7914	6.7633	0.1479	1100757.2173	0.0000	68.2371
80	0.0000	362217.4496	6.7633	0.1479	2449788.5282	0.0000	73.2369
85	0.0000	806129.7591	6.7633	0.1479	5452112.9244	0.0000	78.2368
90	0.0000	1794074.7726	6.7633	0.1479	12133908.7487	0.0000	83.2367
95	0.0000	3992786.8352	6.7633	0.1479	27004518.8315	0.0000	88.2367
100	0.0000	8886110.5205	6.7633	0.1479	60099670.2024	0.0000	93.2367

n	Single Payment		Equal Payment Series				Uniform
	Compound-amount Factor	Present-worth Factor	Compound-amount Factor	Sinking-fund Factor	Present-worth Factor	Capital-recovery Factor	Gradient-Series Factor
	to find F given P F/P, i, n	to find P given F P/F, i, n	to find F given A F/A, i, n	to find A given F A/F, i, n	to find P given A P/A, i, n	to find A given P A/P, i, n	to find A given G A/G, i, n
1	0.8437	1.1853	1.0000	1.0000	1.1853	0.8437	0.0000
2	0.7118	1.4049	1.8437	0.5424	2.5903	0.3861	0.5424
3	0.6005	1.6653	2.5554	0.3913	4.2555	0.2350	1.1128
4	0.5066	1.9739	3.1559	0.3169	6.2294	0.1605	1.7108
5	0.4274	2.3396	3.6625	0.2730	8.5691	0.1167	2.3358
6	0.3606	2.7732	4.0900	0.2445	11.3423	0.0882	2.9872
7	0.3042	3.2871	4.4506	0.2247	14.6293	0.0684	3.6642
8	0.2567	3.8962	4.7548	0.2103	18.5255	0.0540	4.3657
9	0.2165	4.6182	5.0114	0.1995	23.1437	0.0432	5.0909
10	0.1827	5.4739	5.2280	0.1913	28.6177	0.0349	5.8386
11	0.1541	6.4883	5.4107	0.1848	35.1060	0.0285	6.6078
12	0.1300	7.6906	5.5648	0.1797	42.7966	0.0234	7.3970
13	0.1097	9.1157	5.6948	0.1756	51.9123	0.0193	8.2053
14	0.0926	10.8049	5.8045	0.1723	62.7172	0.0159	9.0313
15	0.0781	12.8071	5.8971	0.1696	75.5243	0.0132	9.8739
16	0.0659	15.1803	5.9751	0.1674	90.7046	0.0110	10.7318
17	0.0556	17.9933	6.0410	0.1655	108.6979	0.0092	11.6039
18	0.0469	21.3276	6.0966	0.1640	130.0255	0.0077	12.4890
19	0.0396	25.2797	6.1435	0.1628	155.3051	0.0064	13.3860
20	0.0334	29.9641	6.1830	0.1617	185.2692	0.0054	14.2940
21	0.0282	35.5166	6.2164	0.1609	220.7858	0.0045	15.2119
22	0.0238	42.0980	6.2446	0.1601	262.8838	0.0038	16.1388
23	0.0200	49.8990	6.2683	0.1595	312.7828	0.0032	17.0738
24	0.0169	59.1455	6.2884	0.1590	371.9282	0.0027	18.0162
25	0.0143	70.1054	6.3053	0.1586	442.0337	0.0023	18.9653
26	0.0120	83.0963	6.3195	0.1582	525.1299	0.0019	19.9202
27	0.0102	98.4944	6.3316	0.1579	623.6244	0.0016	20.8804
28	0.0086	116.7459	6.3417	0.1577	740.3703	0.0014	21.8454
29	0.0072	138.3795	6.3503	0.1575	878.7498	0.0011	22.8146
30	0.0061	164.0219	6.3575	0.1573	1042.7717	0.0010	23.7875
31	0.0051	194.4160	6.3636	0.1571	1237.1877	0.0008	24.7638
32	0.0043	230.4422	6.3688	0.1570	1467.6299	0.0007	25.7430
33	0.0037	273.1442	6.3731	0.1569	1740.7741	0.0006	26.7247
34	0.0031	323.7592	6.3768	0.1568	2064.5333	0.0005	27.7088
35	0.0026	383.7533	6.3798	0.1567	2448.2866	0.0004	28.6949
40	0.0011	897.8473	6.3894	0.1565	5736.6952	0.0002	33.6481
45	0.0005	2100.6456	6.3935	0.1564	13430.4099	0.0001	38.6249
50	0.0002	4914.7688	6.3952	0.1564	31430.9852	0.0000	43.6137
55	0.0001	11498.8234	6.3960	0.1563	73545.9747	0.0000	48.6083
60	0.0000	26903.1861	6.3963	0.1563	172080.1773	0.0000	53.6057
65	0.0000	62943.9546	6.3964	0.1563	402615.4141	0.0000	58.6045
70	0.0000	147266.6252	6.3965	0.1563	941986.4552	0.0000	63.6040
75	0.0000	344551.8961	6.3965	0.1563	2203924.2136	0.0000	68.6037
80	0.0000	806129.7591	6.3965	0.1563	5156412.9173	0.0000	73.6036
85	0.0000	1886058.9532	6.3965	0.1563	12064193.8182	0.0000	78.6035
90	0.0000	4412711.8924	6.3965	0.1563	28225961.6567	0.0000	83.6035
95	0.0000	10324187.4874	6.3965	0.1563	66038790.9019	0.0000	88.6035
100	0.0000	24154952.7536	6.3965	0.1563	154507457.8076	0.0000	93.6035

n	Single Payment		Equal Payment Series				Uniform
	Compound-amount Factor	Present-worth Factor	Compound-amount Factor	Sinking-fund Factor	Present-worth Factor	Capital-recovery Factor	Gradient-Series Factor
	to find F given P F/P, i, n	to find P given F P/F, i, n	to find F given A F/A, i, n	to find A given F A/F, i, n	to find P given A P/A, i, n	to find A given P A/P, i, n	to find A given G A/G, i, n
1	0.8353	1.1972	1.0000	1.0000	1.1972	0.8353	0.0000
2	0.6977	1.4333	1.8353	0.5449	2.6305	0.3801	0.5449
3	0.5827	1.7160	2.5329	0.3948	4.3466	0.2301	1.1194
4	0.4868	2.0544	3.1157	0.3210	6.4010	0.1562	1.7230
5	0.4066	2.4596	3.6024	0.2776	8.8606	0.1129	2.3550
6	0.3396	2.9447	4.0090	0.2494	11.8053	0.0847	3.0148
7	0.2837	3.5254	4.3486	0.2300	15.3307	0.0652	3.7013
8	0.2369	4.2207	4.6323	0.2159	19.5514	0.0511	4.4134
9	0.1979	5.0531	4.8692	0.2054	24.6045	0.0406	5.1500
10	0.1653	6.0496	5.0671	0.1974	30.6541	0.0326	5.9098
11	0.1381	7.2427	5.2324	0.1911	37.8969	0.0264	6.6915
12	0.1153	8.6711	5.3705	0.1862	46.5680	0.0215	7.4938
13	0.0963	10.3812	5.4858	0.1823	56.9492	0.0176	8.3152
14	0.0805	12.4286	5.5821	0.1791	69.3778	0.0144	9.1544
15	0.0672	14.8797	5.6626	0.1766	84.2576	0.0119	10.0102
16	0.0561	17.8143	5.7298	0.1745	102.0718	0.0098	10.8810
17	0.0469	21.3276	5.7859	0.1728	123.3994	0.0081	11.7658
18	0.0392	25.5337	5.8328	0.1714	148.9331	0.0067	12.6631
19	0.0327	30.5694	5.8720	0.1703	179.5025	0.0056	13.5720
20	0.0273	36.5982	5.9047	0.1694	216.1008	0.0046	14.4913
21	0.0228	43.8160	5.9320	0.1686	259.9168	0.0038	15.4199
22	0.0191	52.4573	5.9548	0.1679	312.3741	0.0032	16.3570
23	0.0159	62.8028	5.9739	0.1674	375.1770	0.0027	17.3016
24	0.0133	75.1886	5.9898	0.1670	450.3656	0.0022	18.2530
25	0.0111	90.0171	6.0031	0.1666	540.3827	0.0019	19.2103
26	0.0093	107.7701	6.0142	0.1663	648.1528	0.0015	20.1730
27	0.0078	129.0242	6.0235	0.1660	777.1770	0.0013	21.1404
28	0.0065	154.4700	6.0312	0.1658	931.6470	0.0011	22.1119
29	0.0054	184.9342	6.0377	0.1656	1116.5812	0.0009	23.0871
30	0.0045	221.4064	6.0431	0.1655	1337.9876	0.0007	24.0656
31	0.0038	265.0716	6.0476	0.1654	1603.0592	0.0006	25.0468
32	0.0032	317.3483	6.0514	0.1653	1920.4075	0.0005	26.0306
33	0.0026	379.9349	6.0546	0.1652	2300.3425	0.0004	27.0165
34	0.0022	454.8647	6.0572	0.1651	2755.2072	0.0004	28.0044
35	0.0018	544.5719	6.0594	0.1650	3299.7791	0.0003	28.9938
40	0.0007	1339.4308	6.0660	0.1649	8125.0075	0.0001	33.9593
45	0.0003	3294.4681	6.0687	0.1648	19993.1543	0.0001	38.9431
50	0.0001	8103.0839	6.0698	0.1648	49184.0850	0.0000	43.9356
55	0.0001	19930.3704	6.0702	0.1647	120982.1891	0.0000	48.9322
60	0.0000	49020.8011	6.0704	0.1647	297577.0294	0.0000	53.9307
65	0.0000	120571.7150	6.0705	0.1647	731930.2478	0.0000	58.9300
70	0.0000	296558.5653	6.0705	0.1647	1800266.7753	0.0000	63.9297
75	0.0000	729416.3698	6.0705	0.1647	4427950.6220	0.0000	68.9296
80	0.0000	1794074.7726	6.0705	0.1647	10891009.9866	0.0000	73.9295
85	0.0000	4412711.8924	6.0705	0.1647	26787570.9072	0.0000	78.9295
90	0.0000	10853519.8991	6.0705	0.1647	65886801.6043	0.0000	83.9295
95	0.0000	26695351.3107	6.0705	0.1647	162055391.0707	0.0000	88.9295
100	0.0000	65659969.1373	6.0705	0.1647	398591952.9179	0.0000	93.9295

n	Single Payment		Equal Payment Series				Uniform
	Compound-amount Factor	Present-worth Factor	Compound-amount Factor	Sinking-fund Factor	Present-worth Factor	Capital-recovery Factor	Gradient-Series Factor
	to find F given P F/P, i, n	to find P given F P/F, i, n	to find F given A F/A, i, n	to find A given F A/F, i, n	to find P given A P/A, i, n	to find A given P A/P, i, n	to find A given G A/G, i, n
1	0.8270	1.2092	1.0000	1.0000	1.2092	0.8270	0.0000
2	0.6839	1.4623	1.8270	0.5474	2.6715	0.3743	0.5474
3	0.5655	1.7683	2.5108	0.3983	4.4398	0.2252	1.1259
4	0.4677	2.1383	3.0763	0.3251	6.5781	0.1520	1.7351
5	0.3867	2.5857	3.5440	0.2822	9.1638	0.1091	2.3742
6	0.3198	3.1268	3.9308	0.2544	12.2906	0.0814	3.0422
7	0.2645	3.7810	4.2506	0.2353	16.0716	0.0622	3.7381
8	0.2187	4.5722	4.5150	0.2215	20.6438	0.0484	4.4605
9	0.1809	5.5290	4.7338	0.2112	26.1728	0.0382	5.2082
10	0.1496	6.6859	4.9146	0.2035	32.8587	0.0304	5.9798
11	0.1237	8.0849	5.0642	0.1975	40.9436	0.0244	6.7736
12	0.1023	9.7767	5.1879	0.1928	50.7203	0.0197	7.5883
13	0.0846	11.8224	5.2902	0.1890	62.5427	0.0160	8.4222
14	0.0699	14.2963	5.3748	0.1861	76.8390	0.0130	9.2739
15	0.0578	17.2878	5.4447	0.1837	94.1268	0.0106	10.1420
16	0.0478	20.9052	5.5025	0.1817	115.0320	0.0087	11.0248
17	0.0396	25.2797	5.5504	0.1802	140.3117	0.0071	11.9212
18	0.0327	30.5694	5.5899	0.1789	170.8811	0.0059	12.8298
19	0.0271	36.9661	5.6226	0.1779	207.8472	0.0048	13.7493
20	0.0224	44.7012	5.6497	0.1770	252.5483	0.0040	14.6787
21	0.0185	54.0549	5.6721	0.1763	306.6032	0.0033	15.6168
22	0.0153	65.3659	5.6906	0.1757	371.9691	0.0027	16.5628
23	0.0127	79.0436	5.7059	0.1753	451.0127	0.0022	17.5157
24	0.0105	95.5835	5.7185	0.1749	546.5962	0.0018	18.4748
25	0.0087	115.5843	5.7290	0.1746	662.1805	0.0015	19.4392
26	0.0072	139.7702	5.7376	0.1743	801.9507	0.0012	20.4084
27	0.0059	169.0171	5.7448	0.1741	970.9679	0.0010	21.3817
28	0.0049	204.3839	5.7507	0.1739	1175.3517	0.0009	22.3587
29	0.0040	247.1511	5.7556	0.1737	1422.5029	0.0007	23.3388
30	0.0033	298.8674	5.7596	0.1736	1721.3703	0.0006	24.3217
31	0.0028	361.4053	5.7630	0.1735	2082.7755	0.0005	25.3070
32	0.0023	437.0292	5.7658	0.1734	2519.8047	0.0004	26.2944
33	0.0019	528.4774	5.7680	0.1734	3048.2821	0.0003	27.2836
34	0.0016	639.0611	5.7699	0.1733	3687.3432	0.0003	28.2743
35	0.0013	772.7843	5.7715	0.1733	4460.1275	0.0002	29.2664
40	0.0005	1998.1959	5.7761	0.1731	11541.7585	0.0001	34.2410
45	0.0002	5166.7544	5.7779	0.1731	29852.8004	0.0000	39.2297
50	0.0001	13359.7268	5.7785	0.1731	77199.8380	0.0000	44.2248
55	0.0000	34544	5.7788	0.1730	199626	0.0000	49.2226
60	0.0000	89322	5.7789	0.1730	516183	0.0000	54.2217
65	0.0000	230960	5.7790	0.1730	1334708	0.0000	59.2213
70	0.0000	597196	5.7790	0.1730	3451177	0.0000	64.2211
75	0.0000	1544174	5.7790	0.1730	8923750	0.0000	69.2211
80	0.0000	3992787	5.7790	0.1730	23074236	0.0000	74.2210
85	0.0000	10324187	5.7790	0.1730	59663285	0.0000	79.2210
90	0.0000	26695351	5.7790	0.1730	154271941	0.0000	84.2210
95	0.0000	69026428	5.7790	0.1730	398902458	0.0000	89.2210
100	0.0000	178482301	5.7790	0.1730	1031445947	0.0000	94.2210

n	Single Payment		Equal Payment Series				Uniform
	Compound-amount Factor	Present-worth Factor	Compound-amount Factor	Sinking-fund Factor	Present-worth Factor	Capital-recovery Factor	Gradient-Series Factor
	to find F given P F/P, i, n	to find P given F P/F, i, n	to find F given A F/A, i, n	to find A given F A/F, i, n	to find P given A P/A, i, n	to find A given P A/P, i, n	to find A given G A/G, i, n
1	0.8187	1.2214	1.0000	1.0000	1.2214	0.8187	0.0000
2	0.6703	1.4918	1.8187	0.5498	2.7132	0.3686	0.5498
3	0.5488	1.8221	2.4891	0.4018	4.5353	0.2205	1.1325
4	0.4493	2.2255	3.0379	0.3292	6.7609	0.1479	1.7472
5	0.3679	2.7183	3.4872	0.2868	9.4792	0.1055	2.3932
6	0.3012	3.3201	3.8551	0.2594	12.7993	0.0781	3.0694
7	0.2466	4.0552	4.1563	0.2406	16.8545	0.0593	3.7745
8	0.2019	4.9530	4.4029	0.2271	21.8075	0.0459	4.5071
9	0.1653	6.0496	4.6048	0.2172	27.8572	0.0359	5.2656
10	0.1353	7.3891	4.7701	0.2096	35.2462	0.0284	6.0485
11	0.1108	9.0250	4.9054	0.2039	44.2712	0.0226	6.8541
12	0.0907	11.0232	5.0162	0.1994	55.2944	0.0181	7.6806
13	0.0743	13.4637	5.1069	0.1958	68.7581	0.0145	8.5264
14	0.0608	16.4446	5.1812	0.1930	85.2028	0.0117	9.3898
15	0.0498	20.0855	5.2420	0.1908	105.2883	0.0095	10.2693
16	0.0408	24.5325	5.2918	0.1890	129.8209	0.0077	11.1633
17	0.0334	29.9641	5.3325	0.1875	159.7850	0.0063	12.0703
18	0.0273	36.5982	5.3659	0.1864	196.3832	0.0051	12.9890
19	0.0224	44.7012	5.3932	0.1854	241.0844	0.0041	13.9181
20	0.0183	54.5982	5.4156	0.1847	295.6825	0.0034	14.8565
21	0.0150	66.6863	5.4339	0.1840	362.3689	0.0028	15.8030
22	0.0123	81.4509	5.4489	0.1835	443.8197	0.0023	16.7568
23	0.0101	99.4843	5.4612	0.1831	543.3040	0.0018	17.7169
24	0.0082	121.5104	5.4713	0.1828	664.8145	0.0015	18.6825
25	0.0067	148.4132	5.4795	0.1825	813.2276	0.0012	19.6529
26	0.0055	181.2722	5.4862	0.1823	994.4999	0.0010	20.6276
27	0.0045	221.4064	5.4917	0.1821	1215.9063	0.0008	21.6058
28	0.0037	270.4264	5.4963	0.1819	1486.3327	0.0007	22.5873
29	0.0030	330.2996	5.5000	0.1818	1816.6323	0.0006	23.5714
30	0.0025	403.4288	5.5030	0.1817	2220.0610	0.0005	24.5579
31	0.0020	492.7490	5.5055	0.1816	2712.8101	0.0004	25.5464
32	0.0017	601.8450	5.5075	0.1816	3314.6551	0.0003	26.5366
33	0.0014	735.0952	5.5092	0.1815	4049.7503	0.0002	27.5283
34	0.0011	897.8473	5.5105	0.1815	4947.5976	0.0002	28.5213
35	0.0009	1096.6332	5.5116	0.1814	6044.2308	0.0002	29.5153
40	0.0003	2980.9580	5.5148	0.1813	16439.4018	0.0001	34.4968
45	0.0001	8103.0839	5.5160	0.1813	44696.4064	0.0000	39.4889
50	0.0000	22026.4658	5.5164	0.1813	121506.9085	0.0000	44.4856
55	0.0000	59874	5.5166	0.1813	330300	0.0000	49.4843
60	0.0000	162755	5.5166	0.1813	897857	0.0000	54.4837
65	0.0000	442413	5.5166	0.1813	2440637	0.0000	59.4835
70	0.0000	1202604	5.5167	0.1813	6634348	0.0000	64.4834
75	0.0000	3269017	5.5167	0.1813	18034037	0.0000	69.4834
80	0.0000	8886111	5.5167	0.1813	49021606	0.0000	74.4834
85	0.0000	24154953	5.5167	0.1813	133254549	0.0000	79.4833
90	0.0000	65659969	5.5167	0.1813	362223429	0.0000	84.4833
95	0.0000	178482301	5.5167	0.1813	984625374	0.0000	89.4833
100	0.0000	485165195	5.5167	0.1813	2676489270	0.0000	94.4833

n	Single Payment		Equal Payment Series				Uniform
	Compound-amount Factor	Present-worth Factor	Compound-amount Factor	Sinking-fund Factor	Present-worth Factor	Capital-recovery Factor	Gradient-Series Factor
	to find F given P F/P, i, n	to find P given F P/F, i, n	to find F given A F/A, i, n	to find A given F A/F, i, n	to find P given A P/A, i, n	to find A given P A/P, i, n	to find A given G A/G, i, n
1	0.7788	1.2840	1.0000	1.0000	1.2840	0.7788	0.0000
2	0.6065	1.6487	1.7788	0.5622	2.9327	0.3410	0.5622
3	0.4724	2.1170	2.3853	0.4192	5.0497	0.1980	1.1650
4	0.3679	2.7183	2.8577	0.3499	7.7680	0.1287	1.8071
5	0.2865	3.4903	3.2256	0.3100	11.2584	0.0888	2.4869
6	0.2231	4.4817	3.5121	0.2847	15.7401	0.0635	3.2025
7	0.1738	5.7546	3.7352	0.2677	21.4947	0.0465	3.9514
8	0.1353	7.3891	3.9090	0.2558	28.8837	0.0346	4.7313
9	0.1054	9.4877	4.0443	0.2473	38.3715	0.0261	5.5395
10	0.0821	12.1825	4.1497	0.2410	50.5539	0.0198	6.3734
11	0.0639	15.6426	4.2318	0.2363	66.1966	0.0151	7.2304
12	0.0498	20.0855	4.2957	0.2328	86.2821	0.0116	8.1079
13	0.0388	25.7903	4.3455	0.2301	112.0725	0.0089	9.0036
14	0.0302	33.1155	4.3843	0.2281	145.1879	0.0069	9.9151
15	0.0235	42.5211	4.4145	0.2265	187.7090	0.0053	10.8405
16	0.0183	54.5982	4.4380	0.2253	242.3071	0.0041	11.7777
17	0.0143	70.1054	4.4563	0.2244	312.4126	0.0032	12.7252
18	0.0111	90.0171	4.4706	0.2237	402.4297	0.0025	13.6814
19	0.0087	115.5843	4.4817	0.2231	518.0140	0.0019	14.6450
20	0.0067	148.4132	4.4904	0.2227	666.4271	0.0015	15.6149
21	0.0052	190.5663	4.4971	0.2224	856.9934	0.0012	16.5900
22	0.0041	244.6919	4.5023	0.2221	1101.6853	0.0009	17.5695
23	0.0032	314.1907	4.5064	0.2219	1415.8760	0.0007	18.5526
24	0.0025	403.4288	4.5096	0.2217	1819.3048	0.0005	19.5388
25	0.0019	518.0128	4.5121	0.2216	2337.3176	0.0004	20.5275
26	0.0015	665.1416	4.5140	0.2215	3002.4592	0.0003	21.5183
27	0.0012	854.0588	4.5155	0.2215	3856.5180	0.0003	22.5108
28	0.0009	1096.6332	4.5167	0.2214	4953.1512	0.0002	23.5047
29	0.0007	1408.1048	4.5176	0.2214	6361.2560	0.0002	24.4998
30	0.0006	1808.0424	4.5183	0.2213	8169.2984	0.0001	25.4958
31	0.0004	2321.5724	4.5189	0.2213	10490.8708	0.0001	26.4925
32	0.0003	2980.9580	4.5193	0.2213	13471.8288	0.0001	27.4899
33	0.0003	3827.6258	4.5196	0.2213	17299.4546	0.0001	28.4878
34	0.0002	4914.7688	4.5199	0.2212	22214.2235	0.0000	29.4861
35	0.0002	6310.6881	4.5201	0.2212	28524.9116	0.0000	30.4847
40	0.0000	22026.4658	4.5206	0.2212	99572.9827	0.0000	35.4810
45	0.0000	76879.9198	4.5208	0.2212	347555.1172	0.0000	40.4798
50	0.0000	268337.2865	4.5208	0.2212	1213097.8140	0.0000	45.4794
55	0.0000	936589	4.5208	0.2212	4234139	0.0000	50.4792
60	0.0000	3269017	4.5208	0.2212	14778607	0.0000	55.4792
65	0.0000	11409992	4.5208	0.2212	51582419	0.0000	60.4792
70	0.0000	39824784	4.5208	0.2212	180040345	0.0000	65.4792
75	0.0000	139002156	4.5208	0.2212	628402563	0.0000	70.4792
80	0.0000	485165195	4.5208	0.2212	2193340470	0.0000	75.4792
85	0.0000	1693392923	4.5208	0.2212	7655510474	0.0000	80.4792
90	0.0000	5910522063	4.5208	0.2212	26720357079	0.0000	85.4792
95	0.0000	20629749058	4.5208	0.2212	93263210164	0.0000	90.4792
100	0.0000	72004899337	4.5208	0.2212	325520588799	0.0000	95.4792

n	Single Payment		Equal Payment Series				Uniform
	Compound-amount Factor	Present-worth Factor	Compound-amount Factor	Sinking-fund Factor	Present-worth Factor	Capital-recovery Factor	Gradient-Series Factor
	to find F given P F/P, i, n	to find P given F P/F, i, n	to find F given A F/A, i, n	to find A given F A/F, i, n	to find P given A P/A, i, n	to find A given P A/P, i, n	to find A given G A/G, i, n
1	0.7408	1.3499	1.0000	1.0000	1.3499	0.7408	0.0000
2	0.5488	1.8221	1.7408	0.5744	3.1720	0.3153	0.5744
3	0.4066	2.4596	2.2896	0.4368	5.6316	0.1776	1.1971
4	0.3012	3.3201	2.6962	0.3709	8.9517	0.1117	1.8658
5	0.2231	4.4817	2.9974	0.3336	13.4334	0.0744	2.5778
6	0.1653	6.0496	3.2205	0.3105	19.4830	0.0513	3.3299
7	0.1225	8.1662	3.3858	0.2953	27.6492	0.0362	4.1185
8	0.0907	11.0232	3.5083	0.2850	38.6724	0.0259	4.9399
9	0.0672	14.8797	3.5990	0.2779	53.5521	0.0187	5.7901
10	0.0498	20.0855	3.6662	0.2728	73.6376	0.0136	6.6657
11	0.0369	27.1126	3.7160	0.2691	100.7503	0.0099	7.5630
12	0.0273	36.5982	3.7529	0.2665	137.3485	0.0073	8.4788
13	0.0202	49.4024	3.7802	0.2645	186.7510	0.0054	9.4103
14	0.0150	66.6863	3.8004	0.2631	253.4373	0.0039	10.3548
15	0.0111	90.0171	3.8154	0.2621	343.4544	0.0029	11.3102
16	0.0082	121.5104	3.8265	0.2613	464.9649	0.0022	12.2745
17	0.0061	164.0219	3.8348	0.2608	628.9868	0.0016	13.2460
18	0.0045	221.4064	3.8409	0.2604	850.3932	0.0012	14.2234
19	0.0033	298.8674	3.8454	0.2601	1149.2606	0.0009	15.2055
20	0.0025	403.4288	3.8487	0.2598	1552.6894	0.0006	16.1914
21	0.0018	544.5719	3.8512	0.2597	2097.2613	0.0005	17.1803
22	0.0014	735.0952	3.8530	0.2595	2832.3565	0.0004	18.1717
23	0.0010	992.2747	3.8544	0.2594	3824.6312	0.0003	19.1649
24	0.0007	1339.4308	3.8554	0.2594	5164.0619	0.0002	20.1596
25	0.0006	1808.0424	3.8562	0.2593	6972.1044	0.0001	21.1555
26	0.0004	2440.6020	3.8567	0.2593	9412.7063	0.0001	22.1524
27	0.0003	3294.4681	3.8571	0.2593	12707.1744	0.0001	23.1499
28	0.0002	4447.0667	3.8574	0.2592	17154.2412	0.0001	24.1480
29	0.0002	6002.9122	3.8577	0.2592	23157.1534	0.0000	25.1465
30	0.0001	8103.0839	3.8578	0.2592	31260.2373	0.0000	26.1454
31	0.0001	10938.0192	3.8579	0.2592	42198.2565	0.0000	27.1445
32	0.0001	14764.7816	3.8580	0.2592	56963.0381	0.0000	28.1439
33	0.0001	19930.3704	3.8581	0.2592	76893.4085	0.0000	29.1434
34	0.0000	26903.1861	3.8582	0.2592	103796.5946	0.0000	30.1430
35	0.0000	36315.5027	3.8582	0.2592	140112.0973	0.0000	31.1427
40	0.0000	162754.7914	3.8583	0.2592	627952.2883	0.0000	36.1419
45	0.0000	729416.3698	3.8583	0.2592	2814300.3407	0.0000	41.1418
50	0.0000	3269017.3725	3.8583	0.2592	12612832.5111	0.0000	46.1417
55	0.0000	14650719	3.8583	0.2592	56526807	0.0000	51.1417
60	0.0000	65659969	3.8583	0.2592	253335587	0.0000	56.1417
65	0.0000	294267566	3.8583	0.2592	1135371344	0.0000	61.1417
70	0.0000	1318815734	3.8583	0.2592	5088381355	0.0000	66.1417
75	0.0000	5910522063	3.8583	0.2592	22804543119	0.0000	71.1417
80	0.0000	26489122130	3.8583	0.2592	102202871662	0.0000	76.1417
85	0.0000	118716009132	3.8583	0.2592	458041492899	0.0000	81.1417
90	0.0000	532048240602	3.8583	0.2592	2052799552500	0.0000	86.1417
95	0.0000	2384474784798	3.8583	0.2592	9200009318049	0.0000	91.1417
100	0.0000	10686474581525	3.8583	0.2592	41231581207721	0.0000	96.1417

n	Single Payment		Equal Payment Series				Uniform
	Compound-amount Factor	Present-worth Factor	Compound-amount Factor	Sinking-fund Factor	Present-worth Factor	Capital-recovery Factor	Gradient-Series Factor
	to find F given P F/P, i, n	to find P given F P/F, i, n	to find F given A F/A, i, n	to find A given F A/F, i, n	to find P given A P/A, i, n	to find A given P A/P, i, n	to find A given G A/G, i, n
1	0.6703	1.4918	1.0000	1.0000	1.4918	0.6703	0.0000
2	0.4493	2.2255	1.6703	0.5987	3.7174	0.2690	0.5987
3	0.3012	3.3201	2.1196	0.4718	7.0375	0.1421	1.2598
4	0.2019	4.9530	2.4208	0.4131	11.9905	0.0834	1.9786
5	0.1353	7.3891	2.6227	0.3813	19.3796	0.0516	2.7493
6	0.0907	11.0232	2.7581	0.3626	30.4027	0.0329	3.5654
7	0.0608	16.4446	2.8488	0.3510	46.8474	0.0213	4.4200
8	0.0408	24.5325	2.9096	0.3437	71.3799	0.0140	5.3067
9	0.0273	36.5982	2.9504	0.3389	107.9782	0.0093	6.2196
10	0.0183	54.5982	2.9777	0.3358	162.5763	0.0062	7.1533
11	0.0123	81.4509	2.9960	0.3338	244.0272	0.0041	8.1035
12	0.0082	121.5104	3.0083	0.3324	365.5376	0.0027	9.0663
13	0.0055	181.2722	3.0165	0.3315	546.8098	0.0018	10.0389
14	0.0037	270.4264	3.0220	0.3309	817.2362	0.0012	11.0187
15	0.0025	403.4288	3.0257	0.3305	1220.6650	0.0008	12.0040
16	0.0017	601.8450	3.0282	0.3302	1822.5101	0.0005	12.9934
17	0.0011	897.8473	3.0299	0.3300	2720.3574	0.0004	13.9857
18	0.0007	1339.4308	3.0310	0.3299	4059.7881	0.0002	14.9802
19	0.0005	1998.1959	3.0317	0.3298	6057.9840	0.0002	15.9763
20	0.0003	2980.9580	3.0322	0.3298	9038.9420	0.0001	16.9735
21	0.0002	4447.0667	3.0326	0.3298	13486.0088	0.0001	17.9715
22	0.0002	6634.2440	3.0328	0.3297	20120.2528	0.0000	18.9701
23	0.0001	9897.1291	3.0329	0.3297	30017.3818	0.0000	19.9691
24	0.0001	14764.7816	3.0330	0.3297	44782.1634	0.0000	20.9684
25	0.0000	22026.4658	3.0331	0.3297	66808.6292	0.0000	21.9679
26	0.0000	32859.6257	3.0332	0.3297	99668.2549	0.0000	22.9675
27	0.0000	49020.8011	3.0332	0.3297	148689.0560	0.0000	23.9673
28	0.0000	73130.4418	3.0332	0.3297	221819.4978	0.0000	24.9671
29	0.0000	109097.7993	3.0332	0.3297	330917.2971	0.0000	25.9670
30	0.0000	162754.7914	3.0332	0.3297	493672.0885	0.0000	26.9669
31	0.0000	242801.6175	3.0332	0.3297	736473.7060	0.0000	27.9669
32	0.0000	362217.4496	3.0332	0.3297	1098691.1556	0.0000	28.9668
33	0.0000	540364.9372	3.0332	0.3297	1639056.0929	0.0000	29.9668
34	0.0000	806129.7591	3.0332	0.3297	2445185.8520	0.0000	30.9668
35	0.0000	1202604.2842	3.0332	0.3297	3647790.1362	0.0000	31.9668
40	0.0000	8886110.5205	3.0332	0.3297	26953745.3329	0.0000	36.9668
45	0.0000	65659969.1373	3.0332	0.3297	199162755.7204	0.0000	41.9668
50	0.0000	485165195.4098	3.0332	0.3297	1471624794.2155	0.0000	46.9668
55	0.0000	3584912846	3.0332	0.3297	10873918180	0.0000	51.9668
60	0.0000	26489122130	3.0332	0.3297	80347991470	0.0000	56.9668
65	0.0000	195729609429	3.0332	0.3297	593695816425	0.0000	61.9668
70	0.0000	1446257064291	3.0332	0.3297	4386851693284	0.0000	66.9668
75	0.0000	10686474581525	3.0332	0.3297	32414693259387	0.0000	71.9668
80	0.0000	78962960182681	3.0332	0.3297	239513986923256	0.0000	76.9668
85	0.0000	583461742527455	3.0332	0.3297	1769782285854500	0.0000	81.9668
90	0.0000	4311231547115200	3.0332	0.3297	13077020593072700	0.0000	86.9668
95	0.0000	31855931757113800	3.0332	0.3297	96626838769085300	0.0000	91.9668
100	0.0000	235385266837020000	3.0332	0.3297	713981132327099000	0.0000	96.9668

n	Single Payment		Equal Payment Series				Uniform
	Compound-amount Factor	Present-worth Factor	Compound-amount Factor	Sinking-fund Factor	Present-worth Factor	Capital-recovery Factor	Gradient-Series Factor
	to find F given P F/P, i, n	to find P given F P/F, i, n	to find F given A F/A, i, n	to find A given F A/F, i, n	to find P given A P/A, i, n	to find A given P A/P, i, n	to find A given G A/G, i, n
1	0.6065	1.6487	1.0000	1.0000	1.6487	0.6065	0.0000
2	0.3679	2.7183	1.6065	0.6225	4.3670	0.2290	0.6225
3	0.2231	4.4817	1.9744	0.5065	8.8487	0.1130	1.3202
4	0.1353	7.3891	2.1975	0.4551	16.2377	0.0616	2.0846
5	0.0821	12.1825	2.3329	0.4287	28.4202	0.0352	2.9056
6	0.0498	20.0855	2.4150	0.4141	48.5058	0.0206	3.7729
7	0.0302	33.1155	2.4647	0.4057	81.6212	0.0123	4.6765
8	0.0183	54.5982	2.4949	0.4008	136.2194	0.0073	5.6078
9	0.0111	90.0171	2.5133	0.3979	226.2365	0.0044	6.5596
10	0.0067	148.4132	2.5244	0.3961	374.6497	0.0027	7.5263
11	0.0041	244.6919	2.5311	0.3951	619.3416	0.0016	8.5036
12	0.0025	403.4288	2.5352	0.3944	1022.7704	0.0010	9.4883
13	0.0015	665.1416	2.5377	0.3941	1687.9120	0.0006	10.4781
14	0.0009	1096.6332	2.5392	0.3938	2784.5452	0.0004	11.4713
15	0.0006	1808.0424	2.5401	0.3937	4592.5876	0.0002	12.4668
16	0.0003	2980.9580	2.5406	0.3936	7573.5456	0.0001	13.4639
17	0.0002	4914.7688	2.5410	0.3935	12488.3144	0.0001	14.4620
18	0.0001	8103.0839	2.5412	0.3935	20591.3984	0.0000	15.4607
19	0.0001	13359.7268	2.5413	0.3935	33951.1252	0.0000	16.4599
20	0.0000	22026.4658	2.5414	0.3935	55977.5910	0.0000	17.4594
21	0.0000	36315.5027	2.5414	0.3935	92293.0937	0.0000	18.4591
22	0.0000	59874.1417	2.5415	0.3935	152167.2354	0.0000	19.4589
23	0.0000	98715.7710	2.5415	0.3935	250883.0064	0.0000	20.4587
24	0.0000	162754.7914	2.5415	0.3935	413637.7978	0.0000	21.4587
25	0.0000	268337.2865	2.5415	0.3935	681975.0843	0.0000	22.4586
26	0.0000	442413.3920	2.5415	0.3935	1124388.4763	0.0000	23.4586
27	0.0000	729416.3698	2.5415	0.3935	1853804.8462	0.0000	24.4585
28	0.0000	1202604.2842	2.5415	0.3935	3056409.1303	0.0000	25.4585
29	0.0000	1982759.2635	2.5415	0.3935	5039168.3939	0.0000	26.4585
30	0.0000	3269017.3725	2.5415	0.3935	8308185.7664	0.0000	27.4585
31	0.0000	5389698.4763	2.5415	0.3935	13697884.2426	0.0000	28.4585
32	0.0000	8886110.5205	2.5415	0.3935	22583994.7631	0.0000	29.4585
33	0.0000	14650719.4290	2.5415	0.3935	37234714.1921	0.0000	30.4585
34	0.0000	24154952.7536	2.5415	0.3935	61389666.9457	0.0000	31.4585
35	0.0000	39824784.3976	2.5415	0.3935	101214451.3433	0.0000	32.4585
40	0.0000	485165195.4098	2.5415	0.3935	1233044470.6453	0.0000	37.4585
45	0.0000	5910522063.0233	2.5415	0.3935	15021556845.3354	0.0000	42.4585
50	0.0000	72004899337.3859	2.5415	0.3935	183000025577.0830	0.0000	47.4585
55	0.0000	8.7720E+11	2.5415	0.3935	2.2294E+12	0.0000	52.4585
60	0.0000	1.0686E+13	2.5415	0.3935	2.7160E+13	0.0000	57.4585
65	0.0000	1.3019E+14	2.5415	0.3935	3.3087E+14	0.0000	62.4585
70	0.0000	1.5860E+15	2.5415	0.3935	4.0308E+15	0.0000	67.4585
75	0.0000	1.9322E+16	2.5415	0.3935	4.9106E+16	0.0000	72.4585
80	0.0000	2.3539E+17	2.5415	0.3935	5.9823E+17	0.0000	77.4585
85	0.0000	2.8676E+18	2.5415	0.3935	7.2879E+18	0.0000	82.4585
90	0.0000	3.4934E+19	2.5415	0.3935	8.8785E+19	0.0000	87.4585
95	0.0000	4.2559E+20	2.5415	0.3935	1.0816E+21	0.0000	92.4585
100	0.0000	5.1847E+21	2.5415	0.3935	1.3177E+22	0.0000	97.4585