

Anexo 1- Tabelas de matemática financeira¹

Taxa de juro (i) =1%

N	Actualização/ Capitalização		Pagamentos uniformes				N
	P → F	F → P	A → F	A → P	F → A	P → A	
	$F_{PF,i,n}$	$F_{FP,i,n}$	$F_{AF,i,n}$	$F_{AP,i,n}$	$F_{FA,i,n}$	$F_{PA,i,n}$	
1	1.0100	0.9901	1.0000	0.9901	1.0000	1.0100	1
2	1.0201	0.9803	2.0100	1.9704	0.4975	0.5075	2
3	1.0303	0.9706	3.0301	2.9410	0.3300	0.3400	3
4	1.0406	0.9610	4.0604	3.9020	0.2463	0.2563	4
5	1.0510	0.9515	5.1010	4.8534	0.1960	0.2060	5
6	1.0615	0.9420	6.1520	5.7955	0.1625	0.1725	6
7	1.0721	0.9327	7.2135	6.7282	0.1386	0.1486	7
8	1.0829	0.9235	8.2857	7.6517	0.1207	0.1307	8
9	1.0937	0.9143	9.3685	8.5660	0.1067	0.1167	9
10	1.1046	0.9053	10.4622	9.4713	0.0956	0.1056	10
11	1.1157	0.8963	11.5668	10.3676	0.0865	0.0965	11
12	1.1268	0.8874	12.6825	11.2551	0.0788	0.0888	12
13	1.1381	0.8787	13.8093	12.1337	0.0724	0.0824	13
14	1.1495	0.8700	14.9474	13.0037	0.0669	0.0769	14
15	1.1610	0.8613	16.0969	13.8651	0.0621	0.0721	15
16	1.1726	0.8528	17.2579	14.7179	0.0579	0.0679	16
17	1.1843	0.8444	18.4304	15.5623	0.0543	0.0643	17
18	1.1961	0.8360	19.6147	16.3983	0.0510	0.0610	18
19	1.2081	0.8277	20.8109	17.2260	0.0481	0.0581	19
20	1.2202	0.8195	22.0190	18.0456	0.0454	0.0554	20
21	1.2324	0.8114	23.2392	18.8570	0.0430	0.0530	21
22	1.2447	0.8034	24.4716	19.6604	0.0409	0.0509	22
23	1.2572	0.7954	25.7163	20.4558	0.0389	0.0489	23
24	1.2697	0.7876	26.9735	21.2434	0.0371	0.0471	24
25	1.2824	0.7798	28.2432	22.0232	0.0354	0.0454	25
26	1.2953	0.7720	29.5256	22.7952	0.0339	0.0439	26
27	1.3082	0.7644	30.8209	23.5596	0.0324	0.0424	27
28	1.3213	0.7568	32.1291	24.3164	0.0311	0.0411	28
29	1.3345	0.7493	33.4504	25.0658	0.0299	0.0399	29
30	1.3478	0.7419	34.7849	25.8077	0.0287	0.0387	30
36	1.4308	0.6989	43.0769	30.1075	0.0232	0.0332	36
40	1.4889	0.6717	48.8864	32.8347	0.0205	0.0305	40
48	1.6122	0.6203	61.2226	37.9740	0.0163	0.0263	48
50	1.6446	0.6080	64.4632	39.1961	0.0155	0.0255	50
52	1.6777	0.5961	67.7689	40.3942	0.0148	0.0248	52
60	1.8167	0.5504	81.6697	44.9550	0.0122	0.0222	60

¹ A taxa de juro poderá ser representada por i ou r conforme sejam ou não considerados os impostos na análise.

Taxa de juro (i) =2%

N	Actualização/ Capitalização		Pagamentos uniformes				N
	P → F	F → P	A → F	A → P	F → A	P → A	
	$F_{PF,i,n}$	$F_{FP,i,n}$	$F_{AF,i,n}$	$F_{AP,i,n}$	$F_{FA,i,n}$	$F_{PA,i,n}$	
1	1.0200	0.9804	1.0000	0.9804	1.0000	1.0200	1
2	1.0404	0.9612	2.0200	1.9416	0.4950	0.5150	2
3	1.0612	0.9423	3.0604	2.8839	0.3268	0.3468	3
4	1.0824	0.9238	4.1216	3.8077	0.2426	0.2626	4
5	1.1041	0.9057	5.2040	4.7135	0.1922	0.2122	5
6	1.1262	0.8880	6.3081	5.6014	0.1585	0.1785	6
7	1.1487	0.8706	7.4343	6.4720	0.1345	0.1545	7
8	1.1717	0.8535	8.5830	7.3255	0.1165	0.1365	8
9	1.1951	0.8368	9.7546	8.1622	0.1025	0.1225	9
10	1.2190	0.8203	10.9497	8.9826	0.0913	0.1113	10
11	1.2434	0.8043	12.1687	9.7868	0.0822	0.1022	11
12	1.2682	0.7885	13.4121	10.5753	0.0746	0.0946	12
13	1.2936	0.7730	14.6803	11.3484	0.0681	0.0881	13
14	1.3195	0.7579	15.9739	12.1062	0.0626	0.0826	14
15	1.3459	0.7430	17.2934	12.8493	0.0578	0.0778	15
16	1.3728	0.7284	18.6393	13.5777	0.0537	0.0737	16
17	1.4002	0.7142	20.0121	14.2919	0.0500	0.0700	17
18	1.4282	0.7002	21.4123	14.9920	0.0467	0.0667	18
19	1.4568	0.6864	22.8406	15.6785	0.0438	0.0638	19
20	1.4859	0.6730	24.2974	16.3514	0.0412	0.0612	20
21	1.5157	0.6598	25.7833	17.0112	0.0388	0.0588	21
22	1.5460	0.6468	27.2990	17.6580	0.0366	0.0566	22
23	1.5769	0.6342	28.8450	18.2922	0.0347	0.0547	23
24	1.6084	0.6217	30.4219	18.9139	0.0329	0.0529	24
25	1.6406	0.6095	32.0303	19.5235	0.0312	0.0512	25
26	1.6734	0.5976	33.6709	20.1210	0.0297	0.0497	26
27	1.7069	0.5859	35.3443	20.7069	0.0283	0.0483	27
28	1.7410	0.5744	37.0512	21.2813	0.0270	0.0470	28
29	1.7758	0.5631	38.7922	21.8444	0.0258	0.0458	29
30	1.8114	0.5521	40.5681	22.3965	0.0246	0.0446	30
36	2.0399	0.4902	51.9944	25.4888	0.0192	0.0392	36
40	2.2080	0.4529	60.4020	27.3555	0.0166	0.0366	40
48	2.5871	0.3865	79.3535	30.6731	0.0126	0.0326	48
50	2.6916	0.3715	84.5794	31.4236	0.0118	0.0318	50
52	2.8003	0.3571	90.0164	32.1449	0.0111	0.0311	52
60	3.2810	0.3048	114.0515	34.7609	0.0088	0.0288	60

Taxa de juro (i) =3%

N	Actualização/ Capitalização		Pagamentos uniformes				N
	P → F	F → P	A → F	A → P	F → A	P → A	
	$F_{PF,i,n}$	$F_{FP,i,n}$	$F_{AF,i,n}$	$F_{AP,i,n}$	$F_{FA,i,n}$	$F_{PA,i,n}$	
1	1.0300	0.9709	1.0000	0.9709	1.0000	1.0300	1
2	1.0609	0.9426	2.0300	1.9135	0.4926	0.5226	2
3	1.0927	0.9151	3.0909	2.8286	0.3235	0.3535	3
4	1.1255	0.8885	4.1836	3.7171	0.2390	0.2690	4
5	1.1593	0.8626	5.3091	4.5797	0.1884	0.2184	5
6	1.1941	0.8375	6.4684	5.4172	0.1546	0.1846	6
7	1.2299	0.8131	7.6625	6.2303	0.1305	0.1605	7
8	1.2668	0.7894	8.8923	7.0197	0.1125	0.1425	8
9	1.3048	0.7664	10.1591	7.7861	0.0984	0.1284	9
10	1.3439	0.7441	11.4639	8.5302	0.0872	0.1172	10
11	1.3842	0.7224	12.8078	9.2526	0.0781	0.1081	11
12	1.4258	0.7014	14.1920	9.9540	0.0705	0.1005	12
13	1.4685	0.6810	15.6178	10.6350	0.0640	0.0940	13
14	1.5126	0.6611	17.0863	11.2961	0.0585	0.0885	14
15	1.5580	0.6419	18.5989	11.9379	0.0538	0.0838	15
16	1.6047	0.6232	20.1569	12.5611	0.0496	0.0796	16
17	1.6528	0.6050	21.7616	13.1661	0.0460	0.0760	17
18	1.7024	0.5874	23.4144	13.7535	0.0427	0.0727	18
19	1.7535	0.5703	25.1169	14.3238	0.0398	0.0698	19
20	1.8061	0.5537	26.8704	14.8775	0.0372	0.0672	20
21	1.8603	0.5375	28.6765	15.4150	0.0349	0.0649	21
22	1.9161	0.5219	30.5368	15.9369	0.0327	0.0627	22
23	1.9736	0.5067	32.4529	16.4436	0.0308	0.0608	23
24	2.0328	0.4919	34.4265	16.9355	0.0290	0.0590	24
25	2.0938	0.4776	36.4593	17.4131	0.0274	0.0574	25
26	2.1566	0.4637	38.5530	17.8768	0.0259	0.0559	26
27	2.2213	0.4502	40.7096	18.3270	0.0246	0.0546	27
28	2.2879	0.4371	42.9309	18.7641	0.0233	0.0533	28
29	2.3566	0.4243	45.2189	19.1885	0.0221	0.0521	29
30	2.4273	0.4120	47.5754	19.6004	0.0210	0.0510	30
36	2.8983	0.3450	63.2759	21.8323	0.0158	0.0458	36
40	3.2620	0.3066	75.4013	23.1148	0.0133	0.0433	40
48	4.1323	0.2420	104.4084	25.2667	0.0096	0.0396	48
50	4.3839	0.2281	112.7969	25.7298	0.0089	0.0389	50
52	4.6509	0.2150	121.6962	26.1662	0.0082	0.0382	52
60	5.8916	0.1697	163.0534	27.6756	0.0061	0.0361	60

Taxa de juro (i) =4%

N	Actualização/ Capitalização		Pagamentos uniformes				N
	P → F	F → P	A → F	A → P	F → A	P → A	
	$F_{PF,i,n}$	$F_{FP,i,n}$	$F_{AF,i,n}$	$F_{AP,i,n}$	$F_{FA,i,n}$	$F_{PA,i,n}$	
1	1.0400	0.9615	1.0000	0.9615	1.0000	1.0400	1
2	1.0816	0.9246	2.0400	1.8861	0.4902	0.5302	2
3	1.1249	0.8890	3.1216	2.7751	0.3203	0.3603	3
4	1.1699	0.8548	4.2465	3.6299	0.2355	0.2755	4
5	1.2167	0.8219	5.4163	4.4518	0.1846	0.2246	5
6	1.2653	0.7903	6.6330	5.2421	0.1508	0.1908	6
7	1.3159	0.7599	7.8983	6.0021	0.1266	0.1666	7
8	1.3686	0.7307	9.2142	6.7327	0.1085	0.1485	8
9	1.4233	0.7026	10.5828	7.4353	0.0945	0.1345	9
10	1.4802	0.6756	12.0061	8.1109	0.0833	0.1233	10
11	1.5395	0.6496	13.4864	8.7605	0.0741	0.1141	11
12	1.6010	0.6246	15.0258	9.3851	0.0666	0.1066	12
13	1.6651	0.6006	16.6268	9.9856	0.0601	0.1001	13
14	1.7317	0.5775	18.2919	10.5631	0.0547	0.0947	14
15	1.8009	0.5553	20.0236	11.1184	0.0499	0.0899	15
16	1.8730	0.5339	21.8245	11.6523	0.0458	0.0858	16
17	1.9479	0.5134	23.6975	12.1657	0.0422	0.0822	17
18	2.0258	0.4936	25.6454	12.6593	0.0390	0.0790	18
19	2.1068	0.4746	27.6712	13.1339	0.0361	0.0761	19
20	2.1911	0.4564	29.7781	13.5903	0.0336	0.0736	20
21	2.2788	0.4388	31.9692	14.0292	0.0313	0.0713	21
22	2.3699	0.4220	34.2480	14.4511	0.0292	0.0692	22
23	2.4647	0.4057	36.6179	14.8568	0.0273	0.0673	23
24	2.5633	0.3901	39.0826	15.2470	0.0256	0.0656	24
25	2.6658	0.3751	41.6459	15.6221	0.0240	0.0640	25
26	2.7725	0.3607	44.3117	15.9828	0.0226	0.0626	26
27	2.8834	0.3468	47.0842	16.3296	0.0212	0.0612	27
28	2.9987	0.3335	49.9676	16.6631	0.0200	0.0600	28
29	3.1187	0.3207	52.9663	16.9837	0.0189	0.0589	29
30	3.2434	0.3083	56.0849	17.2920	0.0178	0.0578	30
36	4.1039	0.2437	77.5983	18.9083	0.0129	0.0529	36
40	4.8010	0.2083	95.0255	19.7928	0.0105	0.0505	40
48	6.5705	0.1522	139.2632	21.1951	0.0072	0.0472	48
50	7.1067	0.1407	152.6671	21.4822	0.0066	0.0466	50
52	7.6866	0.1301	167.1647	21.7476	0.0060	0.0460	52
60	10.5196	0.0951	237.9907	22.6235	0.0042	0.0442	60

Taxa de juro (i) =5%

N	Actualização/ Capitalização		Pagamentos uniformes				N
	P → F	F → P	A → F	A → P	F → A	P → A	
	$F_{PF,i,n}$	$F_{FP,i,n}$	$F_{AF,i,n}$	$F_{AP,i,n}$	$F_{FA,i,n}$	$F_{PA,i,n}$	
1	1.0500	0.9524	1.0000	0.9524	1.0000	1.0500	1
2	1.1025	0.9070	2.0500	1.8594	0.4878	0.5378	2
3	1.1576	0.8638	3.1525	2.7232	0.3172	0.3672	3
4	1.2155	0.8227	4.3101	3.5460	0.2320	0.2820	4
5	1.2763	0.7835	5.5256	4.3295	0.1810	0.2310	5
6	1.3401	0.7462	6.8019	5.0757	0.1470	0.1970	6
7	1.4071	0.7107	8.1420	5.7864	0.1228	0.1728	7
8	1.4775	0.6768	9.5491	6.4632	0.1047	0.1547	8
9	1.5513	0.6446	11.0266	7.1078	0.0907	0.1407	9
10	1.6289	0.6139	12.5779	7.7217	0.0795	0.1295	10
11	1.7103	0.5847	14.2068	8.3064	0.0704	0.1204	11
12	1.7959	0.5568	15.9171	8.8633	0.0628	0.1128	12
13	1.8856	0.5303	17.7130	9.3936	0.0565	0.1065	13
14	1.9799	0.5051	19.5986	9.8986	0.0510	0.1010	14
15	2.0789	0.4810	21.5786	10.3797	0.0463	0.0963	15
16	2.1829	0.4581	23.6575	10.8378	0.0423	0.0923	16
17	2.2920	0.4363	25.8404	11.2741	0.0387	0.0887	17
18	2.4066	0.4155	28.1324	11.6896	0.0355	0.0855	18
19	2.5270	0.3957	30.5390	12.0853	0.0327	0.0827	19
20	2.6533	0.3769	33.0660	12.4622	0.0302	0.0802	20
21	2.7860	0.3589	35.7193	12.8212	0.0280	0.0780	21
22	2.9253	0.3418	38.5052	13.1630	0.0260	0.0760	22
23	3.0715	0.3256	41.4305	13.4886	0.0241	0.0741	23
24	3.2251	0.3101	44.5020	13.7986	0.0225	0.0725	24
25	3.3864	0.2953	47.7271	14.0939	0.0210	0.0710	25
26	3.5557	0.2812	51.1135	14.3752	0.0196	0.0696	26
27	3.7335	0.2678	54.6691	14.6430	0.0183	0.0683	27
28	3.9201	0.2551	58.4026	14.8981	0.0171	0.0671	28
29	4.1161	0.2429	62.3227	15.1411	0.0160	0.0660	29
30	4.3219	0.2314	66.4388	15.3725	0.0151	0.0651	30
36	5.7918	0.1727	95.8363	16.5469	0.0104	0.0604	36
40	7.0400	0.1420	120.7998	17.1591	0.0083	0.0583	40
48	10.4013	0.0961	188.0254	18.0772	0.0053	0.0553	48
50	11.4674	0.0872	209.3480	18.2559	0.0048	0.0548	50
52	12.6428	0.0791	232.8562	18.4181	0.0043	0.0543	52
60	18.6792	0.0535	353.5837	18.9293	0.0028	0.0528	60

Taxa de juro (i) =6%

N	Actualização/ Capitalização		Pagamentos uniformes				N
	P → F	F → P	A → F	A → P	F → A	P → A	
	$F_{PF,i,n}$	$F_{FP,i,n}$	$F_{AF,i,n}$	$F_{AP,i,n}$	$F_{FA,i,n}$	$F_{PA,i,n}$	
1	1.0600	0.9434	1.0000	0.9434	1.0000	1.0600	1
2	1.1236	0.8900	2.0600	1.8334	0.4854	0.5454	2
3	1.1910	0.8396	3.1836	2.6730	0.3141	0.3741	3
4	1.2625	0.7921	4.3746	3.4651	0.2286	0.2886	4
5	1.3382	0.7473	5.6371	4.2124	0.1774	0.2374	5
6	1.4185	0.7050	6.9753	4.9173	0.1434	0.2034	6
7	1.5036	0.6651	8.3938	5.5824	0.1191	0.1791	7
8	1.5938	0.6274	9.8975	6.2098	0.1010	0.1610	8
9	1.6895	0.5919	11.4913	6.8017	0.0870	0.1470	9
10	1.7908	0.5584	13.1808	7.3601	0.0759	0.1359	10
11	1.8983	0.5268	14.9716	7.8869	0.0668	0.1268	11
12	2.0122	0.4970	16.8699	8.3838	0.0593	0.1193	12
13	2.1329	0.4688	18.8821	8.8527	0.0530	0.1130	13
14	2.2609	0.4423	21.0151	9.2950	0.0476	0.1076	14
15	2.3966	0.4173	23.2760	9.7122	0.0430	0.1030	15
16	2.5404	0.3936	25.6725	10.1059	0.0390	0.0990	16
17	2.6928	0.3714	28.2129	10.4773	0.0354	0.0954	17
18	2.8543	0.3503	30.9057	10.8276	0.0324	0.0924	18
19	3.0256	0.3305	33.7600	11.1581	0.0296	0.0896	19
20	3.2071	0.3118	36.7856	11.4699	0.0272	0.0872	20
21	3.3996	0.2942	39.9927	11.7641	0.0250	0.0850	21
22	3.6035	0.2775	43.3923	12.0416	0.0230	0.0830	22
23	3.8197	0.2618	46.9958	12.3034	0.0213	0.0813	23
24	4.0489	0.2470	50.8156	12.5504	0.0197	0.0797	24
25	4.2919	0.2330	54.8645	12.7834	0.0182	0.0782	25
26	4.5494	0.2198	59.1564	13.0032	0.0169	0.0769	26
27	4.8223	0.2074	63.7058	13.2105	0.0157	0.0757	27
28	5.1117	0.1956	68.5281	13.4062	0.0146	0.0746	28
29	5.4184	0.1846	73.6398	13.5907	0.0136	0.0736	29
30	5.7435	0.1741	79.0582	13.7648	0.0126	0.0726	30
36	8.1473	0.1227	119.1209	14.6210	0.0084	0.0684	36
40	10.2857	0.0972	154.7620	15.0463	0.0065	0.0665	40
48	16.3939	0.0610	256.5645	15.6500	0.0039	0.0639	48
50	18.4202	0.0543	290.3359	15.7619	0.0034	0.0634	50
52	20.6969	0.0483	328.2814	15.8614	0.0030	0.0630	52
60	32.9877	0.0303	533.1282	16.1614	0.0019	0.0619	60

Taxa de juro (i) =7%

N	Actualização/ Capitalização		Pagamentos uniformes				N
	P → F	F → P	A → F	A → P	F → A	P → A	
	$F_{PF,i,n}$	$F_{FP,i,n}$	$F_{AF,i,n}$	$F_{AP,i,n}$	$F_{FA,i,n}$	$F_{PA,i,n}$	
1	1.0700	0.9346	1.0000	0.9346	1.0000	1.0700	1
2	1.1449	0.8734	2.0700	1.8080	0.4831	0.5531	2
3	1.2250	0.8163	3.2149	2.6243	0.3111	0.3811	3
4	1.3108	0.7629	4.4399	3.3872	0.2252	0.2952	4
5	1.4026	0.7130	5.7507	4.1002	0.1739	0.2439	5
6	1.5007	0.6663	7.1533	4.7665	0.1398	0.2098	6
7	1.6058	0.6227	8.6540	5.3893	0.1156	0.1856	7
8	1.7182	0.5820	10.2598	5.9713	0.0975	0.1675	8
9	1.8385	0.5439	11.9780	6.5152	0.0835	0.1535	9
10	1.9672	0.5083	13.8164	7.0236	0.0724	0.1424	10
11	2.1049	0.4751	15.7836	7.4987	0.0634	0.1334	11
12	2.2522	0.4440	17.8885	7.9427	0.0559	0.1259	12
13	2.4098	0.4150	20.1406	8.3577	0.0497	0.1197	13
14	2.5785	0.3878	22.5505	8.7455	0.0443	0.1143	14
15	2.7590	0.3624	25.1290	9.1079	0.0398	0.1098	15
16	2.9522	0.3387	27.8881	9.4466	0.0359	0.1059	16
17	3.1588	0.3166	30.8402	9.7632	0.0324	0.1024	17
18	3.3799	0.2959	33.9990	10.0591	0.0294	0.0994	18
19	3.6165	0.2765	37.3790	10.3356	0.0268	0.0968	19
20	3.8697	0.2584	40.9955	10.5940	0.0244	0.0944	20
21	4.1406	0.2415	44.8652	10.8355	0.0223	0.0923	21
22	4.4304	0.2257	49.0057	11.0612	0.0204	0.0904	22
23	4.7405	0.2109	53.4361	11.2722	0.0187	0.0887	23
24	5.0724	0.1971	58.1767	11.4693	0.0172	0.0872	24
25	5.4274	0.1842	63.2490	11.6536	0.0158	0.0858	25
26	5.8074	0.1722	68.6765	11.8258	0.0146	0.0846	26
27	6.2139	0.1609	74.4838	11.9867	0.0134	0.0834	27
28	6.6488	0.1504	80.6977	12.1371	0.0124	0.0824	28
29	7.1143	0.1406	87.3465	12.2777	0.0114	0.0814	29
30	7.6123	0.1314	94.4608	12.4090	0.0106	0.0806	30
36	11.4239	0.0875	148.9135	13.0352	0.0067	0.0767	36
40	14.9745	0.0668	199.6351	13.3317	0.0050	0.0750	40
48	25.7289	0.0389	353.2701	13.7305	0.0028	0.0728	48
50	29.4570	0.0339	406.5289	13.8007	0.0025	0.0725	50
52	33.7253	0.0297	467.5050	13.8621	0.0021	0.0721	52
60	57.9464	0.0173	813.5204	14.0392	0.0012	0.0712	60

Taxa de juro (i) =8%

N	Actualização/ Capitalização		Pagamentos uniformes				N
	P → F	F → P	A → F	A → P	F → A	P → A	
	$F_{PF,i,n}$	$F_{FP,i,n}$	$F_{AF,i,n}$	$F_{AP,i,n}$	$F_{FA,i,n}$	$F_{PA,i,n}$	
1	1.0800	0.9259	1.0000	0.9259	1.0000	1.0800	1
2	1.1664	0.8573	2.0800	1.7833	0.4808	0.5608	2
3	1.2597	0.7938	3.2464	2.5771	0.3080	0.3880	3
4	1.3605	0.7350	4.5061	3.3121	0.2219	0.3019	4
5	1.4693	0.6806	5.8666	3.9927	0.1705	0.2505	5
6	1.5869	0.6302	7.3359	4.6229	0.1363	0.2163	6
7	1.7138	0.5835	8.9228	5.2064	0.1121	0.1921	7
8	1.8509	0.5403	10.6366	5.7466	0.0940	0.1740	8
9	1.9990	0.5002	12.4876	6.2469	0.0801	0.1601	9
10	2.1589	0.4632	14.4866	6.7101	0.0690	0.1490	10
11	2.3316	0.4289	16.6455	7.1390	0.0601	0.1401	11
12	2.5182	0.3971	18.9771	7.5361	0.0527	0.1327	12
13	2.7196	0.3677	21.4953	7.9038	0.0465	0.1265	13
14	2.9372	0.3405	24.2149	8.2442	0.0413	0.1213	14
15	3.1722	0.3152	27.1521	8.5595	0.0368	0.1168	15
16	3.4259	0.2919	30.3243	8.8514	0.0330	0.1130	16
17	3.7000	0.2703	33.7502	9.1216	0.0296	0.1096	17
18	3.9960	0.2502	37.4502	9.3719	0.0267	0.1067	18
19	4.3157	0.2317	41.4463	9.6036	0.0241	0.1041	19
20	4.6610	0.2145	45.7620	9.8181	0.0219	0.1019	20
21	5.0338	0.1987	50.4229	10.0168	0.0198	0.0998	21
22	5.4365	0.1839	55.4568	10.2007	0.0180	0.0980	22
23	5.8715	0.1703	60.8933	10.3711	0.0164	0.0964	23
24	6.3412	0.1577	66.7648	10.5288	0.0150	0.0950	24
25	6.8485	0.1460	73.1059	10.6748	0.0137	0.0937	25
26	7.3964	0.1352	79.9544	10.8100	0.0125	0.0925	26
27	7.9881	0.1252	87.3508	10.9352	0.0114	0.0914	27
28	8.6271	0.1159	95.3388	11.0511	0.0105	0.0905	28
29	9.3173	0.1073	103.9659	11.1584	0.0096	0.0896	29
30	10.0627	0.0994	113.2832	11.2578	0.0088	0.0888	30
36	15.9682	0.0626	187.1021	11.7172	0.0053	0.0853	36
40	21.7245	0.0460	259.0565	11.9246	0.0039	0.0839	40
48	40.2106	0.0249	490.1322	12.1891	0.0020	0.0820	48
50	46.9016	0.0213	573.7702	12.2335	0.0017	0.0817	50
52	54.7060	0.0183	671.3255	12.2715	0.0015	0.0815	52
60	101.2571	0.0099	1253.2133	12.3766	0.0008	0.0808	60

Taxa de juro (i) =9%

N	Actualização/ Capitalização		Pagamentos uniformes				N
	P → F	F → P	A → F	A → P	F → A	P → A	
	$F_{PF,i,n}$	$F_{FP,i,n}$	$F_{AF,i,n}$	$F_{AP,i,n}$	$F_{FA,i,n}$	$F_{PA,i,n}$	
1	1.0900	0.9174	1.0000	0.9174	1.0000	1.0900	1
2	1.1881	0.8417	2.0900	1.7591	0.4785	0.5685	2
3	1.2950	0.7722	3.2781	2.5313	0.3051	0.3951	3
4	1.4116	0.7084	4.5731	3.2397	0.2187	0.3087	4
5	1.5386	0.6499	5.9847	3.8897	0.1671	0.2571	5
6	1.6771	0.5963	7.5233	4.4859	0.1329	0.2229	6
7	1.8280	0.5470	9.2004	5.0330	0.1087	0.1987	7
8	1.9926	0.5019	11.0285	5.5348	0.0907	0.1807	8
9	2.1719	0.4604	13.0210	5.9952	0.0768	0.1668	9
10	2.3674	0.4224	15.1929	6.4177	0.0658	0.1558	10
11	2.5804	0.3875	17.5603	6.8052	0.0569	0.1469	11
12	2.8127	0.3555	20.1407	7.1607	0.0497	0.1397	12
13	3.0658	0.3262	22.9534	7.4869	0.0436	0.1336	13
14	3.3417	0.2992	26.0192	7.7862	0.0384	0.1284	14
15	3.6425	0.2745	29.3609	8.0607	0.0341	0.1241	15
16	3.9703	0.2519	33.0034	8.3126	0.0303	0.1203	16
17	4.3276	0.2311	36.9737	8.5436	0.0270	0.1170	17
18	4.7171	0.2120	41.3013	8.7556	0.0242	0.1142	18
19	5.1417	0.1945	46.0185	8.9501	0.0217	0.1117	19
20	5.6044	0.1784	51.1601	9.1285	0.0195	0.1095	20
21	6.1088	0.1637	56.7645	9.2922	0.0176	0.1076	21
22	6.6586	0.1502	62.8733	9.4424	0.0159	0.1059	22
23	7.2579	0.1378	69.5319	9.5802	0.0144	0.1044	23
24	7.9111	0.1264	76.7898	9.7066	0.0130	0.1030	24
25	8.6231	0.1160	84.7009	9.8226	0.0118	0.1018	25
26	9.3992	0.1064	93.3240	9.9290	0.0107	0.1007	26
27	10.2451	0.0976	102.7231	10.0266	0.0097	0.0997	27
28	11.1671	0.0895	112.9682	10.1161	0.0089	0.0989	28
29	12.1722	0.0822	124.1354	10.1983	0.0081	0.0981	29
30	13.2677	0.0754	136.3075	10.2737	0.0073	0.0973	30
36	22.2512	0.0449	236.1247	10.6118	0.0042	0.0942	36
40	31.4094	0.0318	337.8824	10.7574	0.0030	0.0930	40
48	62.5852	0.0160	684.2804	10.9336	0.0015	0.0915	48
50	74.3575	0.0134	815.0836	10.9617	0.0012	0.0912	50
52	88.3442	0.0113	970.4908	10.9853	0.0010	0.0910	52
60	176.0313	0.0057	1944.7921	11.0480	0.0005	0.0905	60

Taxa de juro (i) =10%

N	Actualização/ Capitalização		Pagamentos uniformes				N
	P → F	F → P	A → F	A → P	F → A	P → A	
	$F_{PF,i,n}$	$F_{FP,i,n}$	$F_{AF,i,n}$	$F_{AP,i,n}$	$F_{FA,i,n}$	$F_{PA,i,n}$	
1	1.1000	0.9091	1.0000	0.9091	1.0000	1.1000	1
2	1.2100	0.8264	2.1000	1.7355	0.4762	0.5762	2
3	1.3310	0.7513	3.3100	2.4869	0.3021	0.4021	3
4	1.4641	0.6830	4.6410	3.1699	0.2155	0.3155	4
5	1.6105	0.6209	6.1051	3.7908	0.1638	0.2638	5
6	1.7716	0.5645	7.7156	4.3553	0.1296	0.2296	6
7	1.9487	0.5132	9.4872	4.8684	0.1054	0.2054	7
8	2.1436	0.4665	11.4359	5.3349	0.0874	0.1874	8
9	2.3579	0.4241	13.5795	5.7590	0.0736	0.1736	9
10	2.5937	0.3855	15.9374	6.1446	0.0627	0.1627	10
11	2.8531	0.3505	18.5312	6.4951	0.0540	0.1540	11
12	3.1384	0.3186	21.3843	6.8137	0.0468	0.1468	12
13	3.4523	0.2897	24.5227	7.1034	0.0408	0.1408	13
14	3.7975	0.2633	27.9750	7.3667	0.0357	0.1357	14
15	4.1772	0.2394	31.7725	7.6061	0.0315	0.1315	15
16	4.5950	0.2176	35.9497	7.8237	0.0278	0.1278	16
17	5.0545	0.1978	40.5447	8.0216	0.0247	0.1247	17
18	5.5599	0.1799	45.5992	8.2014	0.0219	0.1219	18
19	6.1159	0.1635	51.1591	8.3649	0.0195	0.1195	19
20	6.7275	0.1486	57.2750	8.5136	0.0175	0.1175	20
21	7.4002	0.1351	64.0025	8.6487	0.0156	0.1156	21
22	8.1403	0.1228	71.4027	8.7715	0.0140	0.1140	22
23	8.9543	0.1117	79.5430	8.8832	0.0126	0.1126	23
24	9.8497	0.1015	88.4973	8.9847	0.0113	0.1113	24
25	10.8347	0.0923	98.3471	9.0770	0.0102	0.1102	25
26	11.9182	0.0839	109.1818	9.1609	0.0092	0.1092	26
27	13.1100	0.0763	121.0999	9.2372	0.0083	0.1083	27
28	14.4210	0.0693	134.2099	9.3066	0.0075	0.1075	28
29	15.8631	0.0630	148.6309	9.3696	0.0067	0.1067	29
30	17.4494	0.0573	164.4940	9.4269	0.0061	0.1061	30
36	30.9127	0.0323	299.1268	9.6765	0.0033	0.1033	36
40	45.2593	0.0221	442.5926	9.7791	0.0023	0.1023	40
48	97.0172	0.0103	960.1723	9.8969	0.0010	0.1010	48
50	117.3909	0.0085	1163.9085	9.9148	0.0009	0.1009	50
52	142.0429	0.0070	1410.4293	9.9296	0.0007	0.1007	52
60	304.4816	0.0033	3034.8164	9.9672	0.0003	0.1003	60

Taxa de juro (i) =12%

N	Actualização/ Capitalização		Pagamentos uniformes				N
	P → F	F → P	A → F	A → P	F → A	P → A	
	$F_{PF,i,n}$	$F_{FP,i,n}$	$F_{AF,i,n}$	$F_{AP,i,n}$	$F_{FA,i,n}$	$F_{PA,i,n}$	
1	1.1200	0.8929	1.0000	0.8929	1.0000	1.1200	1
2	1.2544	0.7972	2.1200	1.6901	0.4717	0.5917	2
3	1.4049	0.7118	3.3744	2.4018	0.2963	0.4163	3
4	1.5735	0.6355	4.7793	3.0373	0.2092	0.3292	4
5	1.7623	0.5674	6.3528	3.6048	0.1574	0.2774	5
6	1.9738	0.5066	8.1152	4.1114	0.1232	0.2432	6
7	2.2107	0.4523	10.0890	4.5638	0.0991	0.2191	7
8	2.4760	0.4039	12.2997	4.9676	0.0813	0.2013	8
9	2.7731	0.3606	14.7757	5.3282	0.0677	0.1877	9
10	3.1058	0.3220	17.5487	5.6502	0.0570	0.1770	10
11	3.4785	0.2875	20.6546	5.9377	0.0484	0.1684	11
12	3.8960	0.2567	24.1331	6.1944	0.0414	0.1614	12
13	4.3635	0.2292	28.0291	6.4235	0.0357	0.1557	13
14	4.8871	0.2046	32.3926	6.6282	0.0309	0.1509	14
15	5.4736	0.1827	37.2797	6.8109	0.0268	0.1468	15
16	6.1304	0.1631	42.7533	6.9740	0.0234	0.1434	16
17	6.8660	0.1456	48.8837	7.1196	0.0205	0.1405	17
18	7.6900	0.1300	55.7497	7.2497	0.0179	0.1379	18
19	8.6128	0.1161	63.4397	7.3658	0.0158	0.1358	19
20	9.6463	0.1037	72.0524	7.4694	0.0139	0.1339	20
21	10.8038	0.0926	81.6987	7.5620	0.0122	0.1322	21
22	12.1003	0.0826	92.5026	7.6446	0.0108	0.1308	22
23	13.5523	0.0738	104.6029	7.7184	0.0096	0.1296	23
24	15.1786	0.0659	118.1552	7.7843	0.0085	0.1285	24
25	17.0001	0.0588	133.3339	7.8431	0.0075	0.1275	25
26	19.0401	0.0525	150.3339	7.8957	0.0067	0.1267	26
27	21.3249	0.0469	169.3740	7.9426	0.0059	0.1259	27
28	23.8839	0.0419	190.6989	7.9844	0.0052	0.1252	28
29	26.7499	0.0374	214.5828	8.0218	0.0047	0.1247	29
30	29.9599	0.0334	241.3327	8.0552	0.0041	0.1241	30
36	59.1356	0.0169	484.4631	8.1924	0.0021	0.1221	36
40	93.0510	0.0107	767.0914	8.2438	0.0013	0.1213	40
48	230.3908	0.0043	1911.5898	8.2972	0.0005	0.1205	48
50	289.0022	0.0035	2400.0182	8.3045	0.0004	0.1204	50
52	362.5243	0.0028	3012.7029	8.3103	0.0003	0.1203	52
60	897.5969	0.0011	7471.6411	8.3240	0.0001	0.1201	60

Taxa de juro (i) =15%

N	Actualização/ Capitalização		Pagamentos uniformes				N
	P → F	F → P	A → F	A → P	F → A	P → A	
	$F_{PF,i,n}$	$F_{FP,i,n}$	$F_{AF,i,n}$	$F_{AP,i,n}$	$F_{FA,i,n}$	$F_{PA,i,n}$	
1	1.1500	0.8696	1.0000	0.8696	1.0000	1.1500	1
2	1.3225	0.7561	2.1500	1.6257	0.4651	0.6151	2
3	1.5209	0.6575	3.4725	2.2832	0.2880	0.4380	3
4	1.7490	0.5718	4.9934	2.8550	0.2003	0.3503	4
5	2.0114	0.4972	6.7424	3.3522	0.1483	0.2983	5
6	2.3131	0.4323	8.7537	3.7845	0.1142	0.2642	6
7	2.6600	0.3759	11.0668	4.1604	0.0904	0.2404	7
8	3.0590	0.3269	13.7268	4.4873	0.0729	0.2229	8
9	3.5179	0.2843	16.7858	4.7716	0.0596	0.2096	9
10	4.0456	0.2472	20.3037	5.0188	0.0493	0.1993	10
11	4.6524	0.2149	24.3493	5.2337	0.0411	0.1911	11
12	5.3503	0.1869	29.0017	5.4206	0.0345	0.1845	12
13	6.1528	0.1625	34.3519	5.5831	0.0291	0.1791	13
14	7.0757	0.1413	40.5047	5.7245	0.0247	0.1747	14
15	8.1371	0.1229	47.5804	5.8474	0.0210	0.1710	15
16	9.3576	0.1069	55.7175	5.9542	0.0179	0.1679	16
17	10.7613	0.0929	65.0751	6.0472	0.0154	0.1654	17
18	12.3755	0.0808	75.8364	6.1280	0.0132	0.1632	18
19	14.2318	0.0703	88.2118	6.1982	0.0113	0.1613	19
20	16.3665	0.0611	102.4436	6.2593	0.0098	0.1598	20
21	18.8215	0.0531	118.8101	6.3125	0.0084	0.1584	21
22	21.6447	0.0462	137.6316	6.3587	0.0073	0.1573	22
23	24.8915	0.0402	159.2764	6.3988	0.0063	0.1563	23
24	28.6252	0.0349	184.1678	6.4338	0.0054	0.1554	24
25	32.9190	0.0304	212.7930	6.4641	0.0047	0.1547	25
26	37.8568	0.0264	245.7120	6.4906	0.0041	0.1541	26
27	43.5353	0.0230	283.5688	6.5135	0.0035	0.1535	27
28	50.0656	0.0200	327.1041	6.5335	0.0031	0.1531	28
29	57.5755	0.0174	377.1697	6.5509	0.0027	0.1527	29
30	66.2118	0.0151	434.7451	6.5660	0.0023	0.1523	30
36	153.1519	0.0065	1014.3457	6.6231	0.0010	0.1510	36
40	267.8635	0.0037	1779.0903	6.6418	0.0006	0.1506	40
48	819.4007	0.0012	5456.0047	6.6585	0.0002	0.1502	48
50	1083.6574	0.0009	7217.7163	6.6605	0.0001	0.1501	50
52	1433.1370	0.0007	9547.5798	6.6620	0.0001	0.1501	52
60	4383.9987	0.0002	29219.9916	6.6651	0.0000	0.1500	60

Taxa de juro (i) =18%

N	Actualização/ Capitalização		Pagamentos uniformes				N
	P → F	F → P	A → F	A → P	F → A	P → A	
	$F_{PF,i,n}$	$F_{FP,i,n}$	$F_{AF,i,n}$	$F_{AP,i,n}$	$F_{FA,i,n}$	$F_{PA,i,n}$	
1	1.1800	0.8475	1.0000	0.8475	1.0000	1.1800	1
2	1.3924	0.7182	2.1800	1.5656	0.4587	0.6387	2
3	1.6430	0.6086	3.5724	2.1743	0.2799	0.4599	3
4	1.9388	0.5158	5.2154	2.6901	0.1917	0.3717	4
5	2.2878	0.4371	7.1542	3.1272	0.1398	0.3198	5
6	2.6996	0.3704	9.4420	3.4976	0.1059	0.2859	6
7	3.1855	0.3139	12.1415	3.8115	0.0824	0.2624	7
8	3.7589	0.2660	15.3270	4.0776	0.0652	0.2452	8
9	4.4355	0.2255	19.0859	4.3030	0.0524	0.2324	9
10	5.2338	0.1911	23.5213	4.4941	0.0425	0.2225	10
11	6.1759	0.1619	28.7551	4.6560	0.0348	0.2148	11
12	7.2876	0.1372	34.9311	4.7932	0.0286	0.2086	12
13	8.5994	0.1163	42.2187	4.9095	0.0237	0.2037	13
14	10.1472	0.0985	50.8180	5.0081	0.0197	0.1997	14
15	11.9737	0.0835	60.9653	5.0916	0.0164	0.1964	15
16	14.1290	0.0708	72.9390	5.1624	0.0137	0.1937	16
17	16.6722	0.0600	87.0680	5.2223	0.0115	0.1915	17
18	19.6733	0.0508	103.7403	5.2732	0.0096	0.1896	18
19	23.2144	0.0431	123.4135	5.3162	0.0081	0.1881	19
20	27.3930	0.0365	146.6280	5.3527	0.0068	0.1868	20
21	32.3238	0.0309	174.0210	5.3837	0.0057	0.1857	21
22	38.1421	0.0262	206.3448	5.4099	0.0048	0.1848	22
23	45.0076	0.0222	244.4868	5.4321	0.0041	0.1841	23
24	53.1090	0.0188	289.4945	5.4509	0.0035	0.1835	24
25	62.6686	0.0160	342.6035	5.4669	0.0029	0.1829	25
26	73.9490	0.0135	405.2721	5.4804	0.0025	0.1825	26
27	87.2598	0.0115	479.2211	5.4919	0.0021	0.1821	27
28	102.9666	0.0097	566.4809	5.5016	0.0018	0.1818	28
29	121.5005	0.0082	669.4475	5.5098	0.0015	0.1815	29
30	143.3706	0.0070	790.9480	5.5168	0.0013	0.1813	30
36	387.0368	0.0026	2144.6489	5.5412	0.0005	0.1805	36
40	750.3783	0.0013	4163.2130	5.5482	0.0002	0.1802	40
48	2820.5665	0.0004	15664.2586	5.5536	0.0001	0.1801	48
50	3927.3569	0.0003	21813.0937	5.5541	0.0000	0.1800	50
52	5468.4517	0.0002	30374.7316	5.5545	0.0000	0.1800	52
60	20555.1400	0.0000	114189.6665	5.5553	0.0000	0.1800	60

Taxa de juro (i) =20%

N	Actualização/ Capitalização		Pagamentos uniformes				N
	P → F	F → P	A → F	A → P	F → A	P → A	
	$F_{PF,i,n}$	$F_{FP,i,n}$	$F_{AF,i,n}$	$F_{AP,i,n}$	$F_{FA,i,n}$	$F_{PA,i,n}$	
1	1.2000	0.8333	1.0000	0.8333	1.0000	1.2000	1
2	1.4400	0.6944	2.2000	1.5278	0.4545	0.6545	2
3	1.7280	0.5787	3.6400	2.1065	0.2747	0.4747	3
4	2.0736	0.4823	5.3680	2.5887	0.1863	0.3863	4
5	2.4883	0.4019	7.4416	2.9906	0.1344	0.3344	5
6	2.9860	0.3349	9.9299	3.3255	0.1007	0.3007	6
7	3.5832	0.2791	12.9159	3.6046	0.0774	0.2774	7
8	4.2998	0.2326	16.4991	3.8372	0.0606	0.2606	8
9	5.1598	0.1938	20.7989	4.0310	0.0481	0.2481	9
10	6.1917	0.1615	25.9587	4.1925	0.0385	0.2385	10
11	7.4301	0.1346	32.1504	4.3271	0.0311	0.2311	11
12	8.9161	0.1122	39.5805	4.4392	0.0253	0.2253	12
13	10.6993	0.0935	48.4966	4.5327	0.0206	0.2206	13
14	12.8392	0.0779	59.1959	4.6106	0.0169	0.2169	14
15	15.4070	0.0649	72.0351	4.6755	0.0139	0.2139	15
16	18.4884	0.0541	87.4421	4.7296	0.0114	0.2114	16
17	22.1861	0.0451	105.9306	4.7746	0.0094	0.2094	17
18	26.6233	0.0376	128.1167	4.8122	0.0078	0.2078	18
19	31.9480	0.0313	154.7400	4.8435	0.0065	0.2065	19
20	38.3376	0.0261	186.6880	4.8696	0.0054	0.2054	20
21	46.0051	0.0217	225.0256	4.8913	0.0044	0.2044	21
22	55.2061	0.0181	271.0307	4.9094	0.0037	0.2037	22
23	66.2474	0.0151	326.2369	4.9245	0.0031	0.2031	23
24	79.4968	0.0126	392.4842	4.9371	0.0025	0.2025	24
25	95.3962	0.0105	471.9811	4.9476	0.0021	0.2021	25
26	114.4755	0.0087	567.3773	4.9563	0.0018	0.2018	26
27	137.3706	0.0073	681.8528	4.9636	0.0015	0.2015	27
28	164.8447	0.0061	819.2233	4.9697	0.0012	0.2012	28
29	197.8136	0.0051	984.0680	4.9747	0.0010	0.2010	29
30	237.3763	0.0042	1181.8816	4.9789	0.0008	0.2008	30
36	708.8019	0.0014	3539.0094	4.9929	0.0003	0.2003	36
40	1469.7716	0.0007	7343.8578	4.9966	0.0001	0.2001	40
48	6319.7487	0.0002	31593.744	4.9992	0.0000	0.2000	48
50	9100.4382	0.0001	45497.191	4.9995	0.0000	0.2000	50
52	13104.6309	0.0001	65518.155	4.9996	0.0000	0.2000	52
60	56347.5144	0.0000	281732.572	4.9999	0.0000	0.2000	60

Taxa de juro (i) =25%

N	Actualização/ Capitalização		Pagamentos uniformes				N
	P → F	F → P	A → F	A → P	F → A	P → A	
	$F_{PF,i,n}$	$F_{FP,i,n}$	$F_{AF,i,n}$	$F_{AP,i,n}$	$F_{FA,i,n}$	$F_{PA,i,n}$	
1	1.2500	0.8000	1.0000	0.8000	1.0000	1.2500	1
2	1.5625	0.6400	2.2500	1.4400	0.4444	0.6944	2
3	1.9531	0.5120	3.8125	1.9520	0.2623	0.5123	3
4	2.4414	0.4096	5.7656	2.3616	0.1734	0.4234	4
5	3.0518	0.3277	8.2070	2.6893	0.1218	0.3718	5
6	3.8147	0.2621	11.2588	2.9514	0.0888	0.3388	6
7	4.7684	0.2097	15.0735	3.1611	0.0663	0.3163	7
8	5.9605	0.1678	19.8419	3.3289	0.0504	0.3004	8
9	7.4506	0.1342	25.8023	3.4631	0.0388	0.2888	9
10	9.3132	0.1074	33.2529	3.5705	0.0301	0.2801	10
11	11.6415	0.0859	42.5661	3.6564	0.0235	0.2735	11
12	14.5519	0.0687	54.2077	3.7251	0.0184	0.2684	12
13	18.1899	0.0550	68.7596	3.7801	0.0145	0.2645	13
14	22.7374	0.0440	86.9495	3.8241	0.0115	0.2615	14
15	28.4217	0.0352	109.6868	3.8593	0.0091	0.2591	15
16	35.5271	0.0281	138.1085	3.8874	0.0072	0.2572	16
17	44.4089	0.0225	173.6357	3.9099	0.0058	0.2558	17
18	55.5112	0.0180	218.0446	3.9279	0.0046	0.2546	18
19	69.3889	0.0144	273.5558	3.9424	0.0037	0.2537	19
20	86.7362	0.0115	342.9447	3.9539	0.0029	0.2529	20
21	108.4202	0.0092	429.6809	3.9631	0.0023	0.2523	21
22	135.5253	0.0074	538.1011	3.9705	0.0019	0.2519	22
23	169.4066	0.0059	673.6264	3.9764	0.0015	0.2515	23
24	211.7582	0.0047	843.0329	3.9811	0.0012	0.2512	24
25	264.6978	0.0038	1054.7912	3.9849	0.0009	0.2509	25
26	330.8722	0.0030	1319.4890	3.9879	0.0008	0.2508	26
27	413.5903	0.0024	1650.3612	3.9903	0.0006	0.2506	27
28	516.9879	0.0019	2063.9515	3.9923	0.0005	0.2505	28
29	646.2349	0.0015	2580.9394	3.9938	0.0004	0.2504	29
30	807.7936	0.0012	3227.1743	3.9950	0.0003	0.2503	30
36	3081.4879	0.0003	12321.952	3.9987	0.0001	0.2501	36
40	7523.1638	0.0001	30088.655	3.9995	0.0000	0.2500	40
48	44841.5509	0.0000	179362.203	3.9999	0.0000	0.2500	48
50	70064.9232	0.0000	280255.693	3.9999	0.0000	0.2500	50
52	109476.4425	0.0000	437901.770	4.0000	0.0000	0.2500	52
60	652530.4468	0.0000	2610117.787	4.0000	0.0000	0.2500	60

Taxa de juro (i) =30%

N	Actualização/ Capitalização		Pagamentos uniformes				N
	P → F	F → P	A → F	A → P	F → A	P → A	
	$F_{PF,i,n}$	$F_{FP,i,n}$	$F_{AF,i,n}$	$F_{AP,i,n}$	$F_{FA,i,n}$	$F_{PA,i,n}$	
1	1.3000	0.7692	1.0000	0.7692	1.0000	1.3000	1
2	1.6900	0.5917	2.3000	1.3609	0.4348	0.7348	2
3	2.1970	0.4552	3.9900	1.8161	0.2506	0.5506	3
4	2.8561	0.3501	6.1870	2.1662	0.1616	0.4616	4
5	3.7129	0.2693	9.0431	2.4356	0.1106	0.4106	5
6	4.8268	0.2072	12.7560	2.6427	0.0784	0.3784	6
7	6.2749	0.1594	17.5828	2.8021	0.0569	0.3569	7
8	8.1573	0.1226	23.8577	2.9247	0.0419	0.3419	8
9	10.6045	0.0943	32.0150	3.0190	0.0312	0.3312	9
10	13.7858	0.0725	42.6195	3.0915	0.0235	0.3235	10
11	17.9216	0.0558	56.4053	3.1473	0.0177	0.3177	11
12	23.2981	0.0429	74.3270	3.1903	0.0135	0.3135	12
13	30.2875	0.0330	97.6250	3.2233	0.0102	0.3102	13
14	39.3738	0.0254	127.9125	3.2487	0.0078	0.3078	14
15	51.1859	0.0195	167.2863	3.2682	0.0060	0.3060	15
16	66.5417	0.0150	218.4722	3.2832	0.0046	0.3046	16
17	86.5042	0.0116	285.0139	3.2948	0.0035	0.3035	17
18	112.4554	0.0089	371.5180	3.3037	0.0027	0.3027	18
19	146.1920	0.0068	483.9734	3.3105	0.0021	0.3021	19
20	190.0496	0.0053	630.1655	3.3158	0.0016	0.3016	20
21	247.0645	0.0040	820.2151	3.3198	0.0012	0.3012	21
22	321.1839	0.0031	1067.2796	3.3230	0.0009	0.3009	22
23	417.5391	0.0024	1388.4635	3.3254	0.0007	0.3007	23
24	542.8008	0.0018	1806.0026	3.3272	0.0006	0.3006	24
25	705.6410	0.0014	2348.8033	3.3286	0.0004	0.3004	25
26	917.3333	0.0011	3054.4443	3.3297	0.0003	0.3003	26
27	1192.5333	0.0008	3971.7776	3.3305	0.0003	0.3003	27
28	1550.2933	0.0006	5164.3109	3.3312	0.0002	0.3002	28
29	2015.3813	0.0005	6714.6042	3.3317	0.0001	0.3001	29
30	2619.9956	0.0004	8729.9855	3.3321	0.0001	0.3001	30
36	12646.2186	0.0001	42150.729	3.3331	0.0000	0.3000	36
40	36118.8648	0.0000	120392.883	3.3332	0.0000	0.3000	40
48	294632.6763	0.0000	982105.588	3.3333	0.0000	0.3000	48
50	497929.2230	0.0000	1659760.743	3.3333	0.0000	0.3000	50
52	841500.3868	0.0000	2804997.956	3.3333	0.0000	0.3000	52
60	6864377.1727	0.0000	22881253.909	3.3333	0.0000	0.3000	60