

Distribuição de Fisher-Snedecor – Valores de f_c tais que $P(F \geq f_c) = 0,10$, com $F_{V1,V2}$.

GL V2	V1																			
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	20	40	60	120	240
1	39.864	49.500	53.593	55.833	57.240	58.204	58.906	59.439	59.857	60.195	60.473	60.705	60.902	61.073	61.220	61.740	62.529	62.794	63.061	63.194
2	8.526	9.000	9.162	9.243	9.293	9.326	9.349	9.367	9.381	9.392	9.401	9.408	9.415	9.420	9.425	9.441	9.466	9.475	9.483	9.487
3	5.538	5.462	5.391	5.343	5.309	5.285	5.266	5.252	5.240	5.230	5.222	5.216	5.210	5.205	5.200	5.184	5.160	5.151	5.143	5.138
4	4.545	4.325	4.191	4.107	4.051	4.010	3.979	3.955	3.936	3.920	3.907	3.896	3.886	3.878	3.870	3.844	3.804	3.790	3.775	3.768
5	4.060	3.780	3.619	3.520	3.453	3.405	3.368	3.339	3.316	3.297	3.282	3.268	3.257	3.247	3.238	3.207	3.157	3.140	3.123	3.114
6	3.776	3.463	3.289	3.181	3.108	3.055	3.014	2.983	2.958	2.937	2.920	2.905	2.892	2.881	2.871	2.836	2.781	2.762	2.742	2.732
7	3.589	3.257	3.074	2.961	2.883	2.827	2.785	2.752	2.725	2.703	2.684	2.668	2.654	2.643	2.632	2.595	2.535	2.514	2.493	2.482
8	3.458	3.113	2.924	2.806	2.726	2.668	2.624	2.589	2.561	2.538	2.519	2.502	2.488	2.475	2.464	2.425	2.361	2.339	2.316	2.304
9	3.360	3.006	2.813	2.693	2.611	2.551	2.505	2.469	2.440	2.416	2.396	2.379	2.364	2.351	2.340	2.298	2.232	2.208	2.184	2.172
10	3.285	2.924	2.728	2.605	2.522	2.461	2.414	2.377	2.347	2.323	2.302	2.284	2.269	2.255	2.244	2.201	2.132	2.107	2.082	2.069
11	3.225	2.860	2.660	2.536	2.451	2.389	2.342	2.304	2.274	2.248	2.227	2.209	2.193	2.179	2.167	2.123	2.052	2.026	2.000	1.986
12	3.177	2.807	2.606	2.480	2.394	2.331	2.283	2.245	2.214	2.188	2.166	2.147	2.131	2.117	2.105	2.060	1.986	1.960	1.932	1.918
13	3.136	2.763	2.560	2.434	2.347	2.283	2.234	2.195	2.164	2.138	2.116	2.097	2.080	2.066	2.053	2.007	1.931	1.904	1.876	1.861
14	3.102	2.726	2.522	2.395	2.307	2.243	2.193	2.154	2.122	2.095	2.073	2.054	2.037	2.022	2.010	1.962	1.885	1.857	1.828	1.813
15	3.073	2.695	2.490	2.361	2.273	2.208	2.158	2.119	2.086	2.059	2.037	2.017	2.000	1.985	1.972	1.924	1.845	1.817	1.787	1.771
16	3.048	2.668	2.462	2.333	2.244	2.178	2.128	2.088	2.055	2.028	2.005	1.985	1.968	1.953	1.940	1.891	1.811	1.782	1.751	1.735
17	3.026	2.645	2.437	2.308	2.218	2.152	2.102	2.061	2.028	2.001	1.978	1.958	1.940	1.925	1.912	1.862	1.781	1.751	1.719	1.703
18	3.007	2.624	2.416	2.286	2.196	2.130	2.079	2.038	2.005	1.977	1.954	1.933	1.916	1.900	1.887	1.837	1.754	1.723	1.691	1.674
19	2.990	2.606	2.397	2.266	2.176	2.109	2.058	2.017	1.984	1.956	1.932	1.912	1.894	1.878	1.865	1.814	1.730	1.699	1.666	1.649
20	2.975	2.589	2.380	2.249	2.158	2.091	2.040	1.999	1.965	1.937	1.913	1.892	1.875	1.859	1.845	1.794	1.708	1.677	1.643	1.626
21	2.961	2.575	2.365	2.233	2.142	2.075	2.023	1.982	1.948	1.920	1.896	1.875	1.857	1.841	1.827	1.776	1.689	1.657	1.623	1.605
22	2.949	2.561	2.351	2.219	2.128	2.060	2.008	1.967	1.933	1.904	1.880	1.859	1.841	1.825	1.811	1.759	1.671	1.639	1.604	1.586
23	2.937	2.549	2.339	2.207	2.115	2.047	1.995	1.953	1.919	1.890	1.866	1.845	1.827	1.811	1.796	1.744	1.655	1.622	1.587	1.568
24	2.927	2.538	2.327	2.195	2.103	2.035	1.983	1.941	1.906	1.877	1.853	1.832	1.814	1.797	1.783	1.730	1.641	1.607	1.571	1.552
25	2.918	2.528	2.317	2.184	2.092	2.024	1.971	1.929	1.895	1.866	1.841	1.820	1.802	1.785	1.771	1.718	1.627	1.593	1.557	1.538
26	2.909	2.519	2.307	2.174	2.082	2.014	1.961	1.919	1.884	1.855	1.830	1.809	1.790	1.774	1.760	1.706	1.615	1.581	1.544	1.524
27	2.901	2.511	2.299	2.165	2.073	2.005	1.952	1.909	1.874	1.845	1.820	1.799	1.780	1.764	1.749	1.695	1.603	1.569	1.531	1.511
28	2.894	2.503	2.291	2.157	2.064	1.996	1.943	1.900	1.865	1.836	1.811	1.790	1.771	1.754	1.740	1.685	1.592	1.558	1.520	1.500
29	2.887	2.495	2.283	2.149	2.057	1.988	1.935	1.892	1.857	1.827	1.802	1.781	1.762	1.745	1.731	1.676	1.583	1.547	1.509	1.489
30	2.881	2.489	2.276	2.142	2.049	1.980	1.927	1.884	1.849	1.819	1.794	1.773	1.754	1.737	1.722	1.667	1.573	1.538	1.499	1.478
40	2.835	2.440	2.226	2.091	1.997	1.927	1.873	1.829	1.793	1.763	1.737	1.715	1.695	1.678	1.662	1.605	1.506	1.467	1.425	1.402
50	2.809	2.412	2.197	2.061	1.966	1.895	1.840	1.796	1.760	1.729	1.703	1.680	1.660	1.643	1.627	1.568	1.465	1.424	1.379	1.354
60	2.791	2.393	2.177	2.041	1.946	1.875	1.819	1.775	1.738	1.707	1.680	1.657	1.637	1.619	1.603	1.543	1.437	1.395	1.348	1.321
80	2.769	2.370	2.154	2.016	1.921	1.849	1.793	1.748	1.711	1.680	1.653	1.629	1.609	1.590	1.574	1.513	1.403	1.358	1.307	1.278
100	2.756	2.356	2.139	2.002	1.906	1.834	1.778	1.732	1.695	1.663	1.636	1.612	1.592	1.573	1.557	1.494	1.382	1.336	1.282	1.250
120	2.748	2.347	2.130	1.992	1.896	1.824	1.767	1.722	1.684	1.652	1.625	1.601	1.580	1.562	1.545	1.482	1.368	1.320	1.265	1.232
240	2.727	2.325	2.107	1.968	1.871	1.799	1.742	1.696	1.658	1.625	1.598	1.573	1.552	1.533	1.516	1.451	1.332	1.281	1.219	1.180

Distribuição de Fisher-Snedecor – Valores de f_c tais que $P(F \geq f_c) = 0,05$, com $F_{V1,V2}$.

GL	V1																			
V2	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	20	40	60	120	240
1	161.4	199.5	215.7	224.6	230.2	234.0	236.8	238.9	240.5	241.9	243.0	243.9	244.7	245.4	245.9	248.0	251.1	252.2	253.3	253.8
2	18.513	19.000	19.164	19.247	19.296	19.329	19.353	19.371	19.385	19.396	19.405	19.412	19.419	19.424	19.429	19.446	19.471	19.479	19.487	19.492
3	10.128	9.552	9.277	9.117	9.013	8.941	8.887	8.845	8.812	8.785	8.763	8.745	8.729	8.715	8.703	8.660	8.594	8.572	8.549	8.538
4	7.709	6.944	6.591	6.388	6.256	6.163	6.094	6.041	5.999	5.964	5.936	5.912	5.891	5.873	5.858	5.803	5.717	5.688	5.658	5.643
5	6.608	5.786	5.409	5.192	5.050	4.950	4.876	4.818	4.772	4.735	4.704	4.678	4.655	4.636	4.619	4.558	4.464	4.431	4.398	4.382
6	5.987	5.143	4.757	4.534	4.387	4.284	4.207	4.147	4.099	4.060	4.027	4.000	3.976	3.956	3.938	3.874	3.774	3.740	3.705	3.687
7	5.591	4.737	4.347	4.120	3.972	3.866	3.787	3.726	3.677	3.637	3.603	3.575	3.550	3.529	3.511	3.445	3.340	3.304	3.267	3.249
8	5.318	4.459	4.066	3.838	3.688	3.581	3.500	3.438	3.388	3.347	3.313	3.284	3.259	3.237	3.218	3.150	3.043	3.005	2.967	2.947
9	5.117	4.256	3.863	3.633	3.482	3.374	3.293	3.230	3.179	3.137	3.102	3.073	3.048	3.025	3.006	2.936	2.826	2.787	2.748	2.727
10	4.965	4.103	3.708	3.478	3.326	3.217	3.135	3.072	3.020	2.978	2.943	2.913	2.887	2.865	2.845	2.774	2.661	2.621	2.580	2.559
11	4.844	3.982	3.587	3.357	3.204	3.095	3.012	2.948	2.896	2.854	2.818	2.788	2.761	2.739	2.719	2.646	2.531	2.490	2.448	2.426
12	4.747	3.885	3.490	3.259	3.106	2.996	2.913	2.849	2.796	2.753	2.717	2.687	2.660	2.637	2.617	2.544	2.426	2.384	2.341	2.319
13	4.667	3.806	3.411	3.179	3.025	2.915	2.832	2.767	2.714	2.671	2.635	2.604	2.577	2.554	2.533	2.459	2.339	2.297	2.252	2.230
14	4.600	3.739	3.344	3.112	2.958	2.848	2.764	2.699	2.646	2.602	2.565	2.534	2.507	2.484	2.463	2.388	2.266	2.223	2.178	2.155
15	4.543	3.682	3.287	3.056	2.901	2.790	2.707	2.641	2.588	2.544	2.507	2.475	2.448	2.424	2.403	2.328	2.204	2.160	2.114	2.090
16	4.494	3.634	3.239	3.007	2.852	2.741	2.657	2.591	2.538	2.494	2.456	2.425	2.397	2.373	2.352	2.276	2.151	2.106	2.059	2.035
17	4.451	3.592	3.197	2.965	2.810	2.699	2.614	2.548	2.494	2.450	2.413	2.381	2.353	2.329	2.308	2.230	2.104	2.058	2.011	1.986
18	4.414	3.555	3.160	2.928	2.773	2.661	2.577	2.510	2.456	2.412	2.374	2.342	2.314	2.290	2.269	2.191	2.063	2.017	1.968	1.943
19	4.381	3.522	3.127	2.895	2.740	2.628	2.544	2.477	2.423	2.378	2.340	2.308	2.280	2.256	2.234	2.155	2.026	1.980	1.930	1.905
20	4.351	3.493	3.098	2.866	2.711	2.599	2.514	2.447	2.393	2.348	2.310	2.278	2.250	2.225	2.203	2.124	1.994	1.946	1.896	1.870
21	4.325	3.467	3.072	2.840	2.685	2.573	2.488	2.420	2.366	2.321	2.283	2.250	2.222	2.197	2.176	2.096	1.965	1.916	1.866	1.839
22	4.301	3.443	3.049	2.817	2.661	2.549	2.464	2.397	2.342	2.297	2.259	2.226	2.198	2.173	2.151	2.071	1.938	1.889	1.838	1.811
23	4.279	3.422	3.028	2.796	2.640	2.528	2.442	2.375	2.320	2.275	2.236	2.204	2.175	2.150	2.128	2.048	1.914	1.865	1.813	1.785
24	4.260	3.403	3.009	2.776	2.621	2.508	2.423	2.355	2.300	2.255	2.216	2.183	2.155	2.130	2.108	2.027	1.892	1.842	1.790	1.762
25	4.242	3.385	2.991	2.759	2.603	2.490	2.405	2.337	2.282	2.236	2.198	2.165	2.136	2.111	2.089	2.007	1.872	1.822	1.768	1.740
26	4.225	3.369	2.975	2.743	2.587	2.474	2.388	2.321	2.265	2.220	2.181	2.148	2.119	2.094	2.072	1.990	1.853	1.803	1.749	1.720
27	4.210	3.354	2.960	2.728	2.572	2.459	2.373	2.305	2.250	2.204	2.166	2.132	2.103	2.078	2.056	1.974	1.836	1.785	1.731	1.702
28	4.196	3.340	2.947	2.714	2.558	2.445	2.359	2.291	2.236	2.190	2.151	2.118	2.089	2.064	2.041	1.959	1.820	1.769	1.714	1.685
29	4.183	3.328	2.934	2.701	2.545	2.432	2.346	2.278	2.223	2.177	2.138	2.104	2.075	2.050	2.027	1.945	1.806	1.754	1.698	1.669
30	4.171	3.316	2.922	2.690	2.534	2.421	2.334	2.266	2.211	2.165	2.126	2.092	2.063	2.037	2.015	1.932	1.792	1.740	1.683	1.654
40	4.085	3.232	2.839	2.606	2.449	2.336	2.249	2.180	2.124	2.077	2.038	2.003	1.974	1.948	1.924	1.839	1.693	1.637	1.577	1.544
50	4.034	3.183	2.790	2.557	2.400	2.286	2.199	2.130	2.073	2.026	1.986	1.952	1.921	1.895	1.871	1.784	1.634	1.576	1.511	1.476
60	4.001	3.150	2.758	2.525	2.368	2.254	2.167	2.097	2.040	1.993	1.952	1.917	1.887	1.860	1.836	1.748	1.594	1.534	1.467	1.430
80	3.960	3.111	2.719	2.486	2.329	2.214	2.126	2.056	1.999	1.951	1.910	1.875	1.845	1.817	1.793	1.703	1.545	1.482	1.411	1.370
100	3.936	3.087	2.696	2.463	2.305	2.191	2.103	2.032	1.975	1.927	1.886	1.850	1.819	1.792	1.768	1.676	1.515	1.450	1.376	1.333
120	3.920	3.072	2.680	2.447	2.290	2.175	2.087	2.016	1.959	1.910	1.869	1.834	1.803	1.775	1.750	1.659	1.495	1.429	1.352	1.307
240	3.881	3.033	2.642	2.409	2.252	2.136	2.048	1.977	1.919	1.870	1.829	1.793	1.761	1.733	1.708	1.614	1.445	1.375	1.290	1.237

Distribuição de Fisher-Snedecor – Valores de f_c tais que $P(F \geq f_c) = 0,025$, com $F_{V1,V2}$.

GL V2	V1																			
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	20	40	60	120	240
1	647.8	799.5	864.2	899.6	921.8	937.1	948.2	956.6	963.3	968.6	973.0	976.7	979.8	982.5	984.9	993.1	1005.6	1009.8	1014.0	1016.1
2	38.506	39.000	39.166	39.248	39.298	39.331	39.356	39.373	39.387	39.398	39.407	39.415	39.421	39.427	39.431	39.448	39.473	39.481	39.489	39.494
3	17.443	16.044	15.439	15.101	14.885	14.735	14.624	14.540	14.473	14.419	14.374	14.337	14.305	14.277	14.253	14.167	14.036	13.992	13.947	13.925
4	12.218	10.649	9.979	9.604	9.364	9.197	9.074	8.980	8.905	8.844	8.794	8.751	8.715	8.684	8.657	8.560	8.411	8.360	8.309	8.283
5	10.007	8.434	7.764	7.388	7.146	6.978	6.853	6.757	6.681	6.619	6.568	6.525	6.488	6.456	6.428	6.329	6.175	6.123	6.069	6.042
6	8.813	7.260	6.599	6.227	5.988	5.820	5.695	5.600	5.523	5.461	5.410	5.366	5.329	5.297	5.269	5.168	5.012	4.959	4.904	4.877
7	8.073	6.542	5.890	5.523	5.285	5.119	4.995	4.899	4.823	4.761	4.709	4.666	4.628	4.596	4.568	4.467	4.309	4.254	4.199	4.171
8	7.571	6.059	5.416	5.053	4.817	4.652	4.529	4.433	4.357	4.295	4.243	4.200	4.162	4.130	4.101	3.999	3.840	3.784	3.728	3.699
9	7.209	5.715	5.078	4.718	4.484	4.320	4.197	4.102	4.026	3.964	3.912	3.868	3.831	3.798	3.769	3.667	3.505	3.449	3.392	3.363
10	6.937	5.456	4.826	4.468	4.236	4.072	3.950	3.855	3.779	3.717	3.665	3.621	3.583	3.550	3.522	3.419	3.255	3.198	3.140	3.110
11	6.724	5.256	4.630	4.275	4.044	3.881	3.759	3.664	3.588	3.526	3.474	3.430	3.392	3.359	3.330	3.226	3.061	3.004	2.944	2.914
12	6.554	5.096	4.474	4.121	3.891	3.728	3.607	3.512	3.436	3.374	3.321	3.277	3.239	3.206	3.177	3.073	2.906	2.848	2.787	2.756
13	6.414	4.965	4.347	3.996	3.767	3.604	3.483	3.388	3.312	3.250	3.197	3.153	3.115	3.082	3.053	2.948	2.780	2.720	2.659	2.628
14	6.298	4.857	4.242	3.892	3.663	3.501	3.380	3.285	3.209	3.147	3.095	3.050	3.012	2.979	2.949	2.844	2.674	2.614	2.552	2.520
15	6.200	4.765	4.153	3.804	3.576	3.415	3.293	3.199	3.123	3.060	3.008	2.963	2.925	2.891	2.862	2.756	2.585	2.524	2.461	2.429
16	6.115	4.687	4.077	3.729	3.502	3.341	3.219	3.125	3.049	2.986	2.934	2.889	2.851	2.817	2.788	2.681	2.509	2.447	2.383	2.350
17	6.042	4.619	4.011	3.665	3.438	3.277	3.156	3.061	2.985	2.922	2.870	2.825	2.786	2.753	2.723	2.616	2.442	2.380	2.315	2.282
18	5.978	4.560	3.954	3.608	3.382	3.221	3.100	3.005	2.929	2.866	2.814	2.769	2.730	2.696	2.667	2.559	2.384	2.321	2.256	2.222
19	5.922	4.508	3.903	3.559	3.333	3.172	3.051	2.956	2.880	2.817	2.765	2.720	2.681	2.647	2.617	2.509	2.333	2.270	2.203	2.169
20	5.871	4.461	3.859	3.515	3.289	3.128	3.007	2.913	2.837	2.774	2.721	2.676	2.637	2.603	2.573	2.464	2.287	2.223	2.156	2.121
21	5.827	4.420	3.819	3.475	3.250	3.090	2.969	2.874	2.798	2.735	2.682	2.637	2.598	2.564	2.534	2.425	2.246	2.182	2.114	2.079
22	5.786	4.383	3.783	3.440	3.215	3.055	2.934	2.839	2.763	2.700	2.647	2.602	2.563	2.528	2.498	2.389	2.210	2.145	2.076	2.040
23	5.750	4.349	3.750	3.408	3.183	3.023	2.902	2.808	2.731	2.668	2.615	2.570	2.531	2.497	2.466	2.357	2.176	2.111	2.041	2.005
24	5.717	4.319	3.721	3.379	3.155	2.995	2.874	2.779	2.703	2.640	2.586	2.541	2.502	2.468	2.437	2.327	2.146	2.080	2.010	1.973
25	5.686	4.291	3.694	3.353	3.129	2.969	2.848	2.753	2.677	2.613	2.560	2.515	2.476	2.441	2.411	2.300	2.118	2.052	1.981	1.944
26	5.659	4.265	3.670	3.329	3.105	2.945	2.824	2.729	2.653	2.590	2.536	2.491	2.452	2.417	2.387	2.276	2.093	2.026	1.954	1.917
27	5.633	4.242	3.647	3.307	3.083	2.923	2.802	2.707	2.631	2.568	2.514	2.469	2.429	2.395	2.364	2.253	2.069	2.002	1.930	1.892
28	5.610	4.221	3.626	3.286	3.063	2.903	2.782	2.687	2.611	2.547	2.494	2.448	2.409	2.374	2.344	2.232	2.048	1.980	1.907	1.869
29	5.588	4.201	3.607	3.267	3.044	2.884	2.763	2.669	2.592	2.529	2.475	2.430	2.390	2.355	2.325	2.213	2.028	1.959	1.886	1.847
30	5.568	4.182	3.589	3.250	3.026	2.867	2.746	2.651	2.575	2.511	2.458	2.412	2.372	2.338	2.307	2.195	2.009	1.940	1.866	1.827
40	5.424	4.051	3.463	3.126	2.904	2.744	2.624	2.529	2.452	2.388	2.334	2.288	2.248	2.213	2.182	2.068	1.875	1.803	1.724	1.682
50	5.340	3.975	3.390	3.054	2.833	2.674	2.553	2.458	2.381	2.317	2.263	2.216	2.176	2.140	2.109	1.993	1.796	1.721	1.639	1.594
60	5.286	3.925	3.343	3.008	2.786	2.627	2.507	2.412	2.334	2.270	2.216	2.169	2.129	2.093	2.061	1.944	1.744	1.667	1.581	1.534
80	5.218	3.864	3.284	2.950	2.730	2.571	2.450	2.355	2.277	2.213	2.158	2.111	2.071	2.035	2.003	1.884	1.679	1.599	1.508	1.457
100	5.179	3.828	3.250	2.917	2.696	2.537	2.417	2.321	2.244	2.179	2.124	2.077	2.036	2.000	1.968	1.849	1.640	1.558	1.463	1.409
120	5.152	3.805	3.227	2.894	2.674	2.515	2.395	2.299	2.222	2.157	2.102	2.055	2.014	1.977	1.945	1.825	1.614	1.530	1.433	1.376
240	5.088	3.746	3.171	2.839	2.620	2.461	2.341	2.245	2.167	2.102	2.047	1.999	1.958	1.921	1.888	1.766	1.549	1.460	1.354	1.289

Distribuição de Fisher-Snedecor – Valores de f_c tais que $P(F \geq f_c) = 0,01$, com $F_{V1,V2}$.

GL V2	V1																			
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	20	40	60	120	240
1	4052.2	4999.3	5403.5	5624.3	5764.0	5859.0	5928.3	5981.0	6022.4	6055.9	6083.4	6106.7	6125.8	6143.0	6157.0	6208.7	6286.4	6313.0	6339.5	6352.6
2	98.502	99.000	99.164	99.251	99.302	99.331	99.357	99.375	99.390	99.397	99.408	99.419	99.422	99.426	99.433	99.448	99.477	99.484	99.491	99.495
3	34.116	30.816	29.457	28.710	28.237	27.911	27.671	27.489	27.345	27.228	27.132	27.052	26.983	26.924	26.872	26.690	26.411	26.316	26.221	26.173
4	21.198	18.000	16.694	15.977	15.522	15.207	14.976	14.799	14.659	14.546	14.452	14.374	14.306	14.249	14.198	14.019	13.745	13.652	13.558	13.511
5	16.258	13.274	12.060	11.392	10.967	10.672	10.456	10.289	10.158	10.051	9.963	9.888	9.825	9.770	9.722	9.553	9.291	9.202	9.112	9.066
6	13.745	10.925	9.780	9.148	8.746	8.466	8.260	8.102	7.976	7.874	7.790	7.718	7.657	7.605	7.559	7.396	7.143	7.057	6.969	6.925
7	12.246	9.547	8.451	7.847	7.460	7.191	6.993	6.840	6.719	6.620	6.538	6.469	6.410	6.359	6.314	6.155	5.908	5.824	5.737	5.694
8	11.259	8.649	7.591	7.006	6.632	6.371	6.178	6.029	5.911	5.814	5.734	5.667	5.609	5.559	5.515	5.359	5.116	5.032	4.946	4.903
9	10.562	8.022	6.992	6.422	6.057	5.802	5.613	5.467	5.351	5.257	5.178	5.111	5.055	5.005	4.962	4.808	4.567	4.483	4.398	4.354
10	10.044	7.559	6.552	5.994	5.636	5.386	5.200	5.057	4.942	4.849	4.772	4.706	4.650	4.601	4.558	4.405	4.165	4.082	3.996	3.953
11	9.646	7.206	6.217	5.668	5.316	5.069	4.886	4.744	4.632	4.539	4.462	4.397	4.342	4.293	4.251	4.099	3.860	3.776	3.690	3.647
12	9.330	6.927	5.953	5.412	5.064	4.821	4.640	4.499	4.388	4.296	4.220	4.155	4.100	4.052	4.010	3.858	3.619	3.535	3.449	3.405
13	9.074	6.701	5.739	5.205	4.862	4.620	4.441	4.302	4.191	4.100	4.025	3.960	3.905	3.857	3.815	3.665	3.425	3.341	3.255	3.210
14	8.862	6.515	5.564	5.035	4.695	4.456	4.278	4.140	4.030	3.939	3.864	3.800	3.745	3.698	3.656	3.505	3.266	3.181	3.094	3.050
15	8.683	6.359	5.417	4.893	4.556	4.318	4.142	4.004	3.895	3.805	3.730	3.666	3.612	3.564	3.522	3.372	3.132	3.047	2.959	2.914
16	8.531	6.226	5.292	4.773	4.437	4.202	4.026	3.890	3.780	3.691	3.616	3.553	3.498	3.451	3.409	3.259	3.018	2.933	2.845	2.799
17	8.400	6.112	5.185	4.669	4.336	4.101	3.927	3.791	3.682	3.593	3.518	3.455	3.401	3.353	3.312	3.162	2.920	2.835	2.746	2.700
18	8.285	6.013	5.092	4.579	4.248	4.015	3.841	3.705	3.597	3.508	3.434	3.371	3.316	3.269	3.227	3.077	2.835	2.749	2.660	2.613
19	8.185	5.926	5.010	4.500	4.171	3.939	3.765	3.631	3.523	3.434	3.360	3.297	3.242	3.195	3.153	3.003	2.761	2.674	2.584	2.537
20	8.096	5.849	4.938	4.431	4.103	3.871	3.699	3.564	3.457	3.368	3.294	3.231	3.177	3.130	3.088	2.938	2.695	2.608	2.517	2.470
21	8.017	5.780	4.874	4.369	4.042	3.812	3.640	3.506	3.398	3.310	3.236	3.173	3.119	3.072	3.030	2.880	2.636	2.548	2.457	2.409
22	7.945	5.719	4.817	4.313	3.988	3.758	3.587	3.453	3.346	3.258	3.184	3.121	3.067	3.019	2.978	2.827	2.583	2.495	2.403	2.355
23	7.881	5.664	4.765	4.264	3.939	3.710	3.539	3.406	3.299	3.211	3.137	3.074	3.020	2.973	2.931	2.780	2.536	2.447	2.354	2.306
24	7.823	5.614	4.718	4.218	3.895	3.667	3.496	3.363	3.256	3.168	3.094	3.032	2.977	2.930	2.889	2.738	2.492	2.403	2.310	2.261
25	7.770	5.568	4.675	4.177	3.855	3.627	3.457	3.324	3.217	3.129	3.056	2.993	2.939	2.892	2.850	2.699	2.453	2.364	2.270	2.220
26	7.721	5.526	4.637	4.140	3.818	3.591	3.421	3.288	3.182	3.094	3.021	2.958	2.904	2.857	2.815	2.664	2.417	2.327	2.233	2.183
27	7.677	5.488	4.601	4.106	3.785	3.558	3.388	3.256	3.149	3.062	2.988	2.926	2.872	2.824	2.783	2.632	2.384	2.294	2.199	2.148
28	7.636	5.453	4.568	4.074	3.754	3.528	3.358	3.226	3.120	3.032	2.959	2.896	2.842	2.795	2.753	2.602	2.354	2.263	2.167	2.117
29	7.598	5.420	4.538	4.045	3.725	3.499	3.330	3.198	3.092	3.005	2.931	2.868	2.814	2.767	2.726	2.574	2.325	2.234	2.138	2.087
30	7.562	5.390	4.510	4.018	3.699	3.473	3.305	3.173	3.067	2.979	2.906	2.843	2.789	2.742	2.700	2.549	2.299	2.208	2.111	2.060
40	7.314	5.178	4.313	3.828	3.514	3.291	3.124	2.993	2.888	2.801	2.727	2.665	2.611	2.563	2.522	2.369	2.114	2.019	1.917	1.862
50	7.171	5.057	4.199	3.720	3.408	3.186	3.020	2.890	2.785	2.698	2.625	2.563	2.508	2.461	2.419	2.265	2.007	1.909	1.803	1.745
60	7.077	4.977	4.126	3.649	3.339	3.119	2.953	2.823	2.718	2.632	2.559	2.496	2.442	2.394	2.352	2.198	1.936	1.836	1.726	1.666
80	6.963	4.881	4.036	3.563	3.255	3.036	2.871	2.742	2.637	2.551	2.478	2.415	2.361	2.313	2.271	2.115	1.849	1.746	1.630	1.566
100	6.895	4.824	3.984	3.513	3.206	2.988	2.823	2.694	2.590	2.503	2.430	2.368	2.313	2.265	2.223	2.067	1.797	1.692	1.572	1.504
120	6.851	4.787	3.949	3.480	3.174	2.956	2.792	2.663	2.559	2.472	2.399	2.336	2.282	2.234	2.191	2.035	1.763	1.656	1.533	1.462
240	6.742	4.695	3.864	3.398	3.094	2.878	2.714	2.586	2.482	2.395	2.322	2.260	2.205	2.157	2.114	1.956	1.677	1.565	1.432	1.351