

## Statistical tables

[Table 1](#) Binomial Probabilities

[Table 2](#) Poisson Probabilities

[Table 3](#) Areas under the Normal Curve

[Table 4](#) t-values for certain right-tail probabilities

[Table 5](#) Durbin-Watson statistic (significant upper and lower point) for the right-tail probability of 0.05

n	x	$p$									
		,05	,10	,15	,20	,25	,30	,35	,40	,45	,50
1	0	,9500	,9000	,8500	,8000	,7500	,7000	,6500	,6000	,5500	,5000
	1	,0500	,1000	,1500	,2000	,2500	,3000	,3500	,4000	,4500	,5000
2	0	,9025	,8100	,7225	,6400	,5625	,4900	,4225	,3600	,3025	,2500
	1	,0950	,1800	,2550	,3200	,3750	,4200	,4550	,4800	,4950	,5000
	2	,0025	,0100	,0225	,0400	,0625	,0900	,1225	,1600	,2025	,2500
3	0	,8574	,7290	,6141	,5120	,4219	,3430	,2746	,2160	,1664	,1250
	1	,1354	,2430	,3251	,3840	,4219	,4410	,4436	,4320	,4084	,3750
	2	,0071	,0270	,0574	,0960	,1406	,1890	,2389	,2880	,3341	,3750
	3	,0001	,0010	,0034	,0080	,0156	,0270	,0429	,0640	,0911	,1250
4	0	,8145	,6561	,5220	,4096	,3164	,2401	,1785	,1296	,0915	,0625
	1	,1715	,2916	,3685	,4096	,4219	,4116	,3845	,3456	,2995	,2500
	2	,0135	,0486	,0975	,1536	,2109	,2646	,3105	,3456	,3675	,3750
	3	,0005	,0036	,0115	,0256	,0469	,0756	,1115	,1536	,2005	,2500
	4	,000	,0001	,0005	,0016	,0039	,0081	,0150	,0256	,0410	,0625
5	0	,7738	,5905	,4437	,3277	,2373	,1681	,1160	,0778	,0503	,0313
	1	,2036	,3281	,3915	,4096	,3955	,3602	,3124	,2592	,2059	,1563
	2	,0214	,0729	,1382	,2048	,2637	,3087	,3364	,3456	,3369	,3125
	3	,0011	,0081	,0244	,0512	,0879	,1323	,1811	,2304	,2757	,3125
	4	,000	,0005	,0022	,0064	,0146	,0284	,0488	,0768	,1128	,1563
	5	,000	,000	,0001	,0003	,0010	,0024	,0053	,0102	,0185	,0313
6	0	,7351	,5314	,3771	,2621	,1780	,1176	,0754	,0467	,0277	,0156
	1	,2321	,3543	,3993	,3932	,3560	,3025	,2437	,1866	,1359	,0938
	2	,0305	,0984	,1762	,2458	,2966	,3241	,3280	,3110	,2780	,2344
	3	,0021	,0146	,0415	,0819	,1318	,1852	,2355	,2765	,3032	,3125
	4	,0001	,0012	,0055	,0154	,0330	,0595	,0951	,1382	,1861	,2344
	5	,000	,0001	,0004	,0015	,0044	,0102	,0205	,0369	,0609	,0938
	6	,000	,000	,000	,0001	,0002	,0007	,0018	,0041	,0083	,0156
7	0	,6983	,4783	,3206	,2097	,1335	,0824	,0490	,0280	,0152	,0078
	1	,2573	,3720	,3960	,3670	,3115	,2471	,1848	,1306	,0872	,0547
	2	,0406	,1240	,2097	,2753	,3115	,3177	,2985	,2613	,2140	,1641
	3	,0036	,0230	,0617	,1147	,1730	,2269	,2679	,2903	,2918	,2734
	4	,0002	,0026	,0109	,0287	,0577	,0972	,1442	,1935	,2388	,2734
	5	,000	,0002	,0012	,0043	,0115	,0250	,0466	,0774	,1172	,1641
	6	,000	,000	,0001	,0004	,0013	,0036	,0084	,0172	,0320	,0547
	7	,000	,000	,000	,000	,0001	,0002	,0006	,0016	,0037	,0078
8	0	,6634	,4305	,2725	,1678	,1001	,0576	,0319	,0168	,0084	,0039
	1	,2793	,3826	,3847	,3355	,2670	,1977	,1373	,0896	,0548	,0313
	2	,0515	,1488	,2376	,2936	,3115	,2965	,2587	,2090	,1569	,1094
	3	,0054	,0331	,0839	,1468	,2076	,2541	,2786	,2787	,2568	,2188
	4	,0004	,0046	,0185	,0459	,0865	,1361	,1875	,2322	,2627	,2734
	5	,000	,0004	,0026	,0092	,0231	,0467	,0808	,1239	,1719	,2188
	6	,000	,000	,0002	,0011	,0038	,0100	,0217	,0413	,0703	,1094
	7	,000	,000	,000	,0001	,0004	,0012	,0033	,0079	,0164	,0313
	8	,000	,000	,000	,000	,000	,0001	,0002	,0007	,0017	,0039

		$p$									
		,05	,10	,15	,20	,25	,30	,35	,40	,45	,50
n	x										
9	0	,6302	,3874	,2316	,1342	,0751	,0404	,0207	,0101	,0046	,0020
	1	,2985	,3874	,3679	,3020	,2253	,1556	,1004	,0605	,0339	,0176
	2	,0629	,1722	,2597	,3020	,3003	,2668	,2162	,1612	,1110	,0703
	3	,0077	,0446	,1069	,1762	,2336	,2668	,2716	,2508	,2119	,1641
	4	,0006	,0074	,0283	,0661	,1168	,1715	,2194	,2508	,2600	,2461
	5	,000	,0008	,0050	,0165	,0389	,0735	,1181	,1672	,2128	,2461
	6	,000	,0001	,0006	,0028	,0087	,0210	,0424	,0743	,1160	,1641
	7	,000	,000	,000	,0003	,0012	,0039	,0098	,0212	,0407	,0703
	8	,000	,000	,000	,000	,0001	,0004	,0013	,0035	,0083	,0176
	9	,000	,000	,000	,000	,000	,000	,0001	,0003	,0008	,0020
10	0	,5987	,3487	,1969	,1074	,0563	,0282	,0135	,0060	,0025	,0010
	1	,3151	,3874	,3474	,2684	,1877	,1211	,0725	,0403	,0207	,0098
	2	,0746	,1937	,2759	,3020	,2816	,2335	,1757	,1209	,0763	,0439
	3	,0105	,0574	,1298	,2013	,2503	,2668	,2522	,2150	,1665	,1172
	4	,0010	,0112	,0401	,0881	,1460	,2001	,2377	,2508	,2384	,2051
	5	,0001	,0015	,0085	,0264	,0584	,1029	,1536	,2007	,2340	,2461
	6	,000	,0001	,0012	,0055	,0162	,0368	,0689	,1115	,1596	,2051
	7	,000	,000	,0001	,0008	,0031	,0090	,0212	,0425	,0746	,1172
	8	,000	,000	,000	,0001	,0004	,0014	,0043	,0106	,0229	,0439
	9	,000	,000	,000	,000	,000	,0001	,0005	,0016	,0042	,0098
	10	,000	,000	,000	,000	,000	,000	,000	,0001	,0003	,0010
11	0	,5688	,3138	,1673	,0859	,0422	,0198	,0088	,0036	,0014	,0005
	1	,3293	,3835	,3248	,2362	,1549	,0932	,0518	,0266	,0125	,0054
	2	,0867	,2131	,2866	,2953	,2581	,1998	,1395	,0887	,0513	,0269
	3	,0137	,0710	,1517	,2215	,2581	,2568	,2254	,1774	,1259	,0806
	4	,0014	,0158	,0536	,1107	,1721	,2201	,2428	,2365	,2060	,1611
	5	,0001	,0025	,0132	,0388	,0803	,1321	,1830	,2207	,2360	,2256
	6	,000	,0003	,0023	,0097	,0268	,0566	,0985	,1471	,1931	,2256
	7	,000	,000	,0003	,0017	,0064	,0173	,0379	,0701	,1128	,1611
	8	,000	,000	,000	,0002	,0011	,0037	,0102	,0234	,0462	,0806
	9	,000	,000	,000	,000	,0001	,0005	,0018	,0052	,0126	,0269
	10	,000	,000	,000	,000	,000	,000	,0002	,0007	,0021	,0054
	11	,000	,000	,000	,000	,000	,000	,000	,000	,0002	,0005
12	0	,5404	,2824	,1422	,0687	,0317	,0138	,0057	,0022	,0008	,0002
	1	,3413	,3766	,3012	,2062	,1267	,0712	,0368	,0174	,0075	,0029
	2	,0988	,2301	,2924	,2835	,2323	,1678	,1088	,0639	,0339	,0161
	3	,0173	,0852	,1720	,2362	,2581	,2397	,1954	,1419	,0923	,0537
	4	,0021	,0213	,0683	,1329	,1936	,2311	,2367	,2128	,1700	,1208
	5	,0002	,0038	,0193	,0532	,1032	,1585	,2039	,2270	,2225	,1934
	6	,000	,0005	,0040	,0155	,0401	,0792	,1281	,1766	,2124	,2256
	7	,000	,000	,0006	,0033	,0115	,0291	,0591	,1009	,1489	,1934
	8	,000	,000	,0001	,0005	,0024	,0078	,0199	,0420	,0762	,1208
	9	,000	,000	,000	,0001	,0004	,0015	,0048	,0125	,0277	,0537
	10	,000	,000	,000	,000	,000	,0002	,0008	,0025	,0068	,0161
	11	,000	,000	,000	,000	,000	,000	,0001	,0003	,0010	,0029
	12	,000	,000	,000	,000	,000	,000	,000	,000	,0001	,0002

		$p$									
		,05	,10	,15	,20	,25	,30	,35	,40	,45	,50
n	x										
13	0	,5133	,2542	,1209	,0550	,0238	,0097	,0037	,0013	,0004	,0001
	1	,3512	,3672	,2774	,1787	,1029	,0540	,0259	,0113	,0045	,0016
	2	,1109	,2448	,2937	,2680	,2059	,1388	,0836	,0453	,0220	,0095
	3	,0214	,0997	,1900	,2457	,2517	,2181	,1651	,1107	,0660	,0349
	4	,0028	,0277	,0838	,1535	,2097	,2337	,2222	,1845	,1350	,0873
	5	,0003	,0055	,0266	,0691	,1258	,1803	,2154	,2214	,1989	,1571
	6	,000	,0008	,0063	,0230	,0559	,1030	,1546	,1968	,2169	,2095
	7	,000	,0001	,0011	,0058	,0186	,0442	,0833	,1312	,1775	,2095
	8	,000	,000	,0001	,0011	,0047	,0142	,0336	,0656	,1089	,1571
	9	,000	,000	,000	,0001	,0009	,0034	,0101	,0243	,0495	,0873
	10	,000	,000	,000	,000	,0001	,0006	,0022	,0065	,0162	,0349
	11	,000	,000	,000	,000	,000	,0001	,0003	,0012	,0036	,0095
	12	,000	,000	,000	,000	,000	,000	,000	,0001	,0005	,0016
13	,000	,000	,000	,000	,000	,000	,000	,000	,000	,0001	
14	0	,4877	,2288	,1028	,0440	,0178	,0068	,0024	,0008	,0002	,0001
	1	,3593	,3559	,2539	,1539	,0832	,0407	,0181	,0073	,0027	,0009
	2	,1229	,2570	,2912	,2501	,1802	,1134	,0634	,0317	,0141	,0056
	3	,0259	,1142	,2056	,2501	,2402	,1943	,1366	,0845	,0462	,0222
	4	,0037	,0349	,0998	,1720	,2202	,2290	,2022	,1549	,1040	,0611
	5	,0004	,0078	,0352	,0860	,1468	,1963	,2178	,2066	,1701	,1222
	6	,000	,0013	,0093	,0322	,0734	,1262	,1759	,2066	,2088	,1833
	7	,000	,0002	,0019	,0092	,0280	,0618	,1082	,1574	,1952	,2095
	8	,000	,000	,0003	,0020	,0082	,0232	,0510	,0918	,1398	,1833
	9	,000	,000	,000	,0003	,0018	,0066	,0183	,0408	,0762	,1222
	10	,000	,000	,000	,000	,0003	,0014	,0049	,0136	,0312	,0611
	11	,000	,000	,000	,000	,000	,0002	,0010	,0033	,0093	,0222
	12	,000	,000	,000	,000	,000	,000	,0001	,0005	,0019	,0056
	13	,000	,000	,000	,000	,000	,000	,000	,0001	,0002	,0009
	14	,000	,000	,000	,000	,000	,000	,000	,000	,000	,0001
15	0	,4633	,2059	,0874	,0352	,0134	,0047	,0016	,0005	,0001	,000
	1	,3658	,3432	,2312	,1319	,0668	,0305	,0126	,0047	,0016	,0005
	2	,1348	,2669	,2856	,2309	,1559	,0916	,0476	,0219	,0090	,0032
	3	,0307	,1285	,2184	,2501	,2252	,1700	,1110	,0634	,0318	,0139
	4	,0049	,0428	,1156	,1876	,2252	,2186	,1792	,1268	,0780	,0417
	5	,0006	,0105	,0449	,1032	,1651	,2061	,2123	,1859	,1404	,0916
	6	,000	,0019	,0132	,0430	,0917	,1472	,1906	,2066	,1914	,1527
	7	,000	,0003	,0030	,0138	,0393	,0811	,1319	,1771	,2013	,1964
	8	,000	,000	,0005	,0035	,0131	,0348	,0710	,1181	,1647	,1964
	9	,000	,000	,0001	,0007	,0034	,0116	,0298	,0612	,1048	,1527
	10	,000	,000	,000	,0001	,0007	,0030	,0096	,0245	,0515	,0916
	11	,000	,000	,000	,000	,0001	,0006	,0024	,0074	,0191	,0417
	12	,000	,000	,000	,000	,000	,0001	,0004	,0016	,0052	,0139
	13	,000	,000	,000	,000	,000	,000	,0001	,0003	,0010	,0032
	14	,000	,000	,000	,000	,000	,000	,000	,000	,0001	,0005
	15	,000	,000	,000	,000	,000	,000	,000	,000	,000	,000

		$p$									
		,05	,10	,15	,20	,25	,30	,35	,40	,45	,50
n	x										
16	0	,4401	,1853	,0743	,0281	,0100	,0033	,0010	,0003	,0001	,000
	1	,3706	,3294	,2097	,1126	,0535	,0228	,0087	,0030	,0009	,0002
	2	,1463	,2745	,2775	,2111	,1336	,0732	,0353	,0150	,0056	,0018
	3	,0359	,1423	,2285	,2463	,2079	,1465	,0888	,0468	,0215	,0085
	4	,0061	,0514	,1311	,2001	,2252	,2040	,1553	,1014	,0572	,0278
	5	,0008	,0137	,0555	,1201	,1802	,2099	,2008	,1623	,1123	,0667
	6	,0001	,0028	,0180	,0550	,1101	,1649	,1982	,1983	,1684	,1222
	7	,000	,0004	,0045	,0197	,0524	,1010	,1524	,1889	,1969	,1746
	8	,000	,0001	,0009	,0055	,0197	,0487	,0923	,1417	,1812	,1964
	9	,000	,000	,0001	,0012	,0058	,0185	,0442	,0840	,1318	,1746
	10	,000	,000	,000	,0002	,0014	,0056	,0167	,0392	,0755	,1222
	11	,000	,000	,000	,000	,0002	,0013	,0049	,0142	,0337	,0667
	12	,000	,000	,000	,000	,000	,0002	,0011	,0040	,0115	,0278
	13	,000	,000	,000	,000	,000	,000	,0002	,0008	,0029	,0085
	14	,000	,000	,000	,000	,000	,000	,000	,0001	,0005	,0018
	15	,000	,000	,000	,000	,000	,000	,000	,000	,0001	,0002
16	,000	,000	,000	,000	,000	,000	,000	,000	,000	,000	
17	0	,4181	,1668	,0631	,0225	,0075	,0023	,0007	,0002	,000	,000
	1	,3741	,3150	,1893	,0957	,0426	,0169	,0060	,0019	,0005	,0001
	2	,1575	,2800	,2673	,1914	,1136	,0581	,0260	,0102	,0035	,0010
	3	,0415	,1556	,2359	,2393	,1893	,1245	,0701	,0341	,0144	,0052
	4	,0076	,0605	,1457	,2093	,2209	,1868	,1320	,0796	,0411	,0182
	5	,0010	,0175	,0668	,1361	,1914	,2081	,1849	,1379	,0875	,0472
	6	,0001	,0039	,0236	,0680	,1276	,1784	,1991	,1839	,1432	,0944
	7	,000	,0007	,0065	,0267	,0668	,1201	,1685	,1927	,1841	,1484
	8	,000	,0001	,0014	,0084	,0279	,0644	,1134	,1606	,1883	,1855
	9	,000	,000	,0003	,0021	,0093	,0276	,0611	,1070	,1540	,1855
	10	,000	,000	,000	,0004	,0025	,0095	,0263	,0571	,1008	,1484
	11	,000	,000	,000	,0001	,0005	,0026	,0090	,0242	,0525	,0944
	12	,000	,000	,000	,000	,0001	,0006	,0024	,0081	,0215	,0472
	13	,000	,000	,000	,000	,000	,0001	,0005	,0021	,0068	,0182
	14	,000	,000	,000	,000	,000	,000	,0001	,0004	,0016	,0052
	15	,000	,000	,000	,000	,000	,000	,000	,0001	,0003	,0010
	16	,000	,000	,000	,000	,000	,000	,000	,000	,000	,0001
17	,000	,000	,000	,000	,000	,000	,000	,000	,000	,000	
18	0	,3972	,1501	,0536	,0180	,0056	,0016	,0004	,0001	,000	,000
	1	,3763	,3002	,1704	,0811	,0338	,0126	,0042	,0012	,0003	,0001
	2	,1683	,2835	,2556	,1723	,0958	,0458	,0190	,0069	,0022	,0006
	3	,0473	,1680	,2406	,2297	,1704	,1046	,0547	,0246	,0095	,0031
	4	,0093	,0700	,1592	,2153	,2130	,1681	,1104	,0614	,0291	,0117
	5	,0014	,0218	,0787	,1507	,1988	,2017	,1664	,1146	,0666	,0327
	6	,0002	,0052	,0301	,0816	,1436	,1873	,1941	,1655	,1181	,0708
	7	,000	,0010	,0091	,0350	,0820	,1376	,1792	,1892	,1657	,1214
	8	,000	,0002	,0022	,0120	,0376	,0811	,1327	,1734	,1864	,1669
	9	,000	,000	,0004	,0033	,0139	,0386	,0794	,1284	,1694	,1855
	10	,000	,000	,0001	,0008	,0042	,0149	,0385	,0771	,1248	,1669
	11	,000	,000	,000	,0001	,0010	,0046	,0151	,0374	,0742	,1214
	12	,000	,000	,000	,000	,0002	,0012	,0047	,0145	,0354	,0708
	13	,000	,000	,000	,000	,000	,0002	,0012	,0045	,0134	,0327
	14	,000	,000	,000	,000	,000	,000	,0002	,0011	,0039	,0117
	15	,000	,000	,000	,000	,000	,000	,000	,0002	,0009	,0031
	16	,000	,000	,000	,000	,000	,000	,000	,000	,0001	,0006
	17	,000	,000	,000	,000	,000	,000	,000	,000	,000	,0001
18	,000	,000	,000	,000	,000	,000	,000	,000	,000	,000	

		$p$									
		,05	,10	,15	,20	,25	,30	,35	,40	,45	,50
n	x										
19	0	,3774	,1351	,0456	,0144	,0042	,0011	,0003	,0001	,000	,000
	1	,3774	,2852	,1529	,0685	,0268	,0093	,0029	,0008	,0002	,000
	2	,1787	,2852	,2428	,1540	,0803	,0358	,0138	,0046	,0013	,0003
	3	,0533	,1796	,2428	,2182	,1517	,0869	,0422	,0175	,0062	,0018
	4	,0112	,0798	,1714	,2182	,2023	,1491	,0909	,0467	,0203	,0074
	5	,0018	,0266	,0907	,1636	,2023	,1916	,1468	,0933	,0497	,0222
	6	,0002	,0069	,0374	,0955	,1574	,1916	,1844	,1451	,0949	,0518
	7	,000	,0014	,0122	,0443	,0974	,1525	,1844	,1797	,1443	,0961
	8	,000	,0002	,0032	,0166	,0487	,0981	,1489	,1797	,1771	,1442
	9	,000	,000	,0007	,0051	,0198	,0514	,0980	,1464	,1771	,1762
	10	,000	,000	,0001	,0013	,0066	,0220	,0528	,0976	,1449	,1762
	11	,000	,000	,000	,0003	,0018	,0077	,0233	,0532	,0970	,1442
	12	,000	,000	,000	,000	,0004	,0022	,0083	,0237	,0529	,0961
	13	,000	,000	,000	,000	,0001	,0005	,0024	,0085	,0233	,0518
	14	,000	,000	,000	,000	,000	,0001	,0006	,0024	,0082	,0222
	15	,000	,000	,000	,000	,000	,000	,0001	,0005	,0022	,0074
	16	,000	,000	,000	,000	,000	,000	,000	,0001	,0005	,0018
	17	,000	,000	,000	,000	,000	,000	,000	,000	,0001	,0003
	18	,000	,000	,000	,000	,000	,000	,000	,000	,000	,000
19	,000	,000	,000	,000	,000	,000	,000	,000	,000	,000	
20	0	,3585	,1216	,0388	,0115	,0032	,0008	,0002	,000	,000	,000
	1	,3774	,2702	,1368	,0576	,0211	,0068	,0020	,0005	,0001	,000
	2	,1887	,2852	,2293	,1369	,0669	,0278	,0100	,0031	,0008	,0002
	3	,0596	,1901	,2428	,2054	,1339	,0716	,0323	,0123	,0040	,0011
	4	,0133	,0898	,1821	,2182	,1897	,1304	,0738	,0350	,0139	,0046
	5	,0022	,0319	,1028	,1746	,2023	,1789	,1272	,0746	,0365	,0148
	6	,0003	,0089	,0454	,1091	,1686	,1916	,1712	,1244	,0746	,0370
	7	,000	,0020	,0160	,0545	,1124	,1643	,1844	,1659	,1221	,0739
	8	,000	,0004	,0046	,0222	,0609	,1144	,1614	,1797	,1623	,1201
	9	,000	,0001	,0011	,0074	,0271	,0654	,1158	,1597	,1771	,1602
	10	,000	,000	,0002	,0020	,0099	,0308	,0686	,1171	,1593	,1762
	11	,000	,000	,000	,0005	,0030	,0120	,0336	,0710	,1185	,1602
	12	,000	,000	,000	,0001	,0008	,0039	,0136	,0355	,0727	,1201
	13	,000	,000	,000	,000	,0002	,0010	,0045	,0146	,0366	,0739
	14	,000	,000	,000	,000	,000	,0002	,0012	,0049	,0150	,0370
	15	,000	,000	,000	,000	,000	,000	,0003	,0013	,0049	,0148
	16	,000	,000	,000	,000	,000	,000	,000	,0003	,0013	,0046
	17	,000	,000	,000	,000	,000	,000	,000	,000	,0002	,0011
	18	,000	,000	,000	,000	,000	,000	,000	,000	,000	,0002
	19	,000	,000	,000	,000	,000	,000	,000	,000	,000	,000
	20	,000	,000	,000	,000	,000	,000	,000	,000	,000	,000

x	$\lambda$									
	,10	,20	,30	,40	,50	,60	,70	,80	,90	1,0
0	,9048	,8187	,7408	,6703	,6065	,5488	,4966	,4493	,4066	,3679
1	,0905	,1637	,2222	,2681	,3033	,3293	,3476	,3595	,3659	,3679
2	,0045	,0164	,0333	,0536	,0758	,0988	,1217	,1438	,1647	,1839
3	,0002	,0011	,0033	,0072	,0126	,0198	,0284	,0383	,0494	,0613
4	,000	,0001	,0003	,0007	,0016	,0030	,0050	,0077	,0111	,0153
5	,000	,000	,000	,0001	,0002	,0004	,0007	,0012	,0020	,0031
6	,000	,000	,000	,000	,000	,000	,0001	,0002	,0003	,0005
7	,000	,000	,000	,000	,000	,000	,000	,000	,000	,0001

  

x	$\lambda$									
	1,10	1,20	1,30	1,40	1,50	1,60	1,70	1,80	1,90	2,0
0	,3329	,3012	,2725	,2466	,2231	,2019	,1827	,1653	,1496	,1353
1	,3662	,3614	,3543	,3452	,3347	,3230	,3106	,2975	,2842	,2707
2	,2014	,2169	,2303	,2417	,2510	,2584	,2640	,2678	,2700	,2707
3	,0738	,0867	,0998	,1128	,1255	,1378	,1496	,1607	,1710	,1804
4	,0203	,0260	,0324	,0395	,0471	,0551	,0636	,0723	,0812	,0902
5	,0045	,0062	,0084	,0111	,0141	,0176	,0216	,0260	,0309	,0361
6	,0008	,0012	,0018	,0026	,0035	,0047	,0061	,0078	,0098	,0120
7	,0001	,0002	,0003	,0005	,0008	,0011	,0015	,0020	,0027	,0034
8	,000	,000	,0001	,0001	,0001	,0002	,0003	,0005	,0006	,0009
9	,000	,000	,000	,000	,000	,000	,0001	,0001	,0001	,0002

  

x	$\lambda$									
	2,10	2,20	2,30	2,40	2,50	2,60	2,70	2,80	2,90	3,0
0	,1225	,1108	,1003	,0907	,0821	,0743	,0672	,0608	,0550	,0498
1	,2572	,2438	,2306	,2177	,2052	,1931	,1815	,1703	,1596	,1494
2	,2700	,2681	,2652	,2613	,2565	,2510	,2450	,2384	,2314	,2240
3	,1890	,1966	,2033	,2090	,2138	,2176	,2205	,2225	,2237	,2240
4	,0992	,1082	,1169	,1254	,1336	,1414	,1488	,1557	,1622	,1680
5	,0417	,0476	,0538	,0602	,0668	,0735	,0804	,0872	,0940	,1008
6	,0146	,0174	,0206	,0241	,0278	,0319	,0362	,0407	,0455	,0504
7	,0044	,0055	,0068	,0083	,0099	,0118	,0139	,0163	,0188	,0216
8	,0011	,0015	,0019	,0025	,0031	,0038	,0047	,0057	,0068	,0081
9	,0003	,0004	,0005	,0007	,0009	,0011	,0014	,0018	,0022	,0027
10	,0001	,0001	,0001	,0002	,0002	,0003	,0004	,0005	,0006	,0008
11	,000	,000	,000	,000	,000	,0001	,0001	,0001	,0002	,0002
12	,000	,000	,000	,000	,000	,000	,000	,000	,000	,0001

x	$\lambda$									
	3,10	3,20	3,30	3,40	3,50	3,60	3,70	3,80	3,90	4,0
0	,0450	,0408	,0369	,0334	,0302	,0273	,0247	,0224	,0202	,0183
1	,1397	,1304	,1217	,1135	,1057	,0984	,0915	,0850	,0789	,0733
2	,2165	,2087	,2008	,1929	,1850	,1771	,1692	,1615	,1539	,1465
3	,2237	,2226	,2209	,2186	,2158	,2125	,2087	,2046	,2001	,1954
4	,1733	,1781	,1823	,1858	,1888	,1912	,1931	,1944	,1951	,1954
5	,1075	,1140	,1203	,1264	,1322	,1377	,1429	,1477	,1522	,1563
6	,0555	,0608	,0662	,0716	,0771	,0826	,0881	,0936	,0989	,1042
7	,0246	,0278	,0312	,0348	,0385	,0425	,0466	,0508	,0551	,0595
8	,0095	,0111	,0129	,0148	,0169	,0191	,0215	,0241	,0269	,0298
9	,0033	,0040	,0047	,0056	,0066	,0076	,0089	,0102	,0116	,0132
10	,0010	,0013	,0016	,0019	,0023	,0028	,0033	,0039	,0045	,0053
11	,0003	,0004	,0005	,0006	,0007	,0009	,0011	,0013	,0016	,0019
12	,0001	,0001	,0001	,0002	,0002	,0003	,0003	,0004	,0005	,0006
13	,000	,000	,000	,000	,0001	,0001	,0001	,0001	,0002	,0002
14	,000	,000	,000	,000	,000	,000	,000	,000	,000	,0001
x	$\lambda$									
	4,10	4,20	4,30	4,40	4,50	4,60	4,70	4,80	4,90	5,0
0	,0166	,0150	,0136	,0123	,0111	,0101	,0091	,0082	,0074	,0067
1	,0679	,0630	,0583	,0540	,0500	,0462	,0427	,0395	,0365	,0337
2	,1393	,1323	,1254	,1188	,1125	,1063	,1005	,0948	,0894	,0842
3	,1904	,1852	,1798	,1743	,1687	,1631	,1574	,1517	,1460	,1404
4	,1951	,1944	,1933	,1917	,1898	,1875	,1849	,1820	,1789	,1755
5	,1600	,1633	,1662	,1687	,1708	,1725	,1738	,1747	,1753	,1755
6	,1093	,1143	,1191	,1237	,1281	,1323	,1362	,1398	,1432	,1462
7	,0640	,0686	,0732	,0778	,0824	,0869	,0914	,0959	,1002	,1044
8	,0328	,0360	,0393	,0428	,0463	,0500	,0537	,0575	,0614	,0653
9	,0150	,0168	,0188	,0209	,0232	,0255	,0281	,0307	,0334	,0363
10	,0061	,0071	,0081	,0092	,0104	,0118	,0132	,0147	,0164	,0181
11	,0023	,0027	,0032	,0037	,0043	,0049	,0056	,0064	,0073	,0082
12	,0008	,0009	,0011	,0013	,0016	,0019	,0022	,0026	,0030	,0034
13	,0002	,0003	,0004	,0005	,0006	,0007	,0008	,0009	,0011	,0013
14	,0001	,0001	,0001	,0001	,0002	,0002	,0003	,0003	,0004	,0005
15	,000	,000	,000	,000	,0001	,0001	,0001	,0001	,0001	,0002



x	$\lambda$									
	5,10	5,20	5,30	5,40	5,50	5,60	5,70	5,80	5,90	6,0
0	,0061	,0055	,0050	,0045	,0041	,0037	,0033	,0030	,0027	,0025
1	,0311	,0287	,0265	,0244	,0225	,0207	,0191	,0176	,0162	,0149
2	,0793	,0746	,0701	,0659	,0618	,0580	,0544	,0509	,0477	,0446
3	,1348	,1293	,1239	,1185	,1133	,1082	,1033	,0985	,0938	,0892
4	,1719	,1681	,1641	,1600	,1558	,1515	,1472	,1428	,1383	,1339
5	,1753	,1748	,1740	,1728	,1714	,1697	,1678	,1656	,1632	,1606
6	,1490	,1515	,1537	,1555	,1571	,1584	,1594	,1601	,1605	,1606
7	,1086	,1125	,1163	,1200	,1234	,1267	,1298	,1326	,1353	,1377
8	,0692	,0731	,0771	,0810	,0849	,0887	,0925	,0962	,0998	,1033
9	,0392	,0423	,0454	,0486	,0519	,0552	,0586	,0620	,0654	,0688
10	,0200	,0220	,0241	,0262	,0285	,0309	,0334	,0359	,0386	,0413
11	,0093	,0104	,0116	,0129	,0143	,0157	,0173	,0190	,0207	,0225
12	,0039	,0045	,0051	,0058	,0065	,0073	,0082	,0092	,0102	,0113
13	,0015	,0018	,0021	,0024	,0028	,0032	,0036	,0041	,0046	,0052
14	,0006	,0007	,0008	,0009	,0011	,0013	,0015	,0017	,0019	,0022
15	,0002	,0002	,0003	,0003	,0004	,0005	,0006	,0007	,0008	,0009
16	,0001	,0001	,0001	,0001	,0001	,0002	,0002	,0002	,0003	,0003
17	,000	,000	,000	,000	,000	,0001	,0001	,0001	,0001	,0001

  

x	$\lambda$									
	6,10	6,20	6,30	6,40	6,50	6,60	6,70	6,80	6,90	7,0
0	,0022	,0020	,0018	,0017	,0015	,0014	,0012	,0011	,0010	,0009
1	,0137	,0126	,0116	,0106	,0098	,0090	,0082	,0076	,0070	,0064
2	,0417	,0390	,0364	,0340	,0318	,0296	,0276	,0258	,0240	,0223
3	,0848	,0806	,0765	,0726	,0688	,0652	,0617	,0584	,0552	,0521
4	,1294	,1249	,1205	,1162	,1118	,1076	,1034	,0992	,0952	,0912
5	,1579	,1549	,1519	,1487	,1454	,1420	,1385	,1349	,1314	,1277
6	,1605	,1601	,1595	,1586	,1575	,1562	,1546	,1529	,1511	,1490
7	,1399	,1418	,1435	,1450	,1462	,1472	,1480	,1486	,1489	,1490
8	,1066	,1099	,1130	,1160	,1188	,1215	,1240	,1263	,1284	,1304
9	,0723	,0757	,0791	,0825	,0858	,0891	,0923	,0954	,0985	,1014
10	,0441	,0469	,0498	,0528	,0558	,0588	,0618	,0649	,0679	,0710
11	,0244	,0265	,0285	,0307	,0330	,0353	,0377	,0401	,0426	,0452
12	,0124	,0137	,0150	,0164	,0179	,0194	,0210	,0227	,0245	,0263
13	,0058	,0065	,0073	,0081	,0089	,0099	,0108	,0119	,0130	,0142
14	,0025	,0029	,0033	,0037	,0041	,0046	,0052	,0058	,0064	,0071
15	,0010	,0012	,0014	,0016	,0018	,0020	,0023	,0026	,0029	,0033
16	,0004	,0005	,0005	,0006	,0007	,0008	,0010	,0011	,0013	,0014
17	,0001	,0002	,0002	,0002	,0003	,0003	,0004	,0004	,0005	,0006
18	,000	,0001	,0001	,0001	,0001	,0001	,0001	,0002	,0002	,0002
19	,000	,000	,000	,000	,000	,000	,0001	,0001	,0001	,0001

x	$\lambda$									
	7,10	7,20	7,30	7,40	7,50	7,60	7,70	7,80	7,90	8,0
0	,0008	,0007	,0007	,0006	,0006	,0005	,0005	,0004	,0004	,0003
1	,0059	,0054	,0049	,0045	,0041	,0038	,0035	,0032	,0029	,0027
2	,0208	,0194	,0180	,0167	,0156	,0145	,0134	,0125	,0116	,0107
3	,0492	,0464	,0438	,0413	,0389	,0366	,0345	,0324	,0305	,0286
4	,0874	,0836	,0799	,0764	,0729	,0696	,0663	,0632	,0602	,0573
5	,1241	,1204	,1167	,1130	,1094	,1057	,1021	,0986	,0951	,0916
6	,1468	,1445	,1420	,1394	,1367	,1339	,1311	,1282	,1252	,1221
7	,1489	,1486	,1481	,1474	,1465	,1454	,1442	,1428	,1413	,1396
8	,1321	,1337	,1351	,1363	,1373	,1381	,1388	,1392	,1395	,1396
9	,1042	,1070	,1096	,1121	,1144	,1167	,1187	,1207	,1224	,1241
10	,0740	,0770	,0800	,0829	,0858	,0887	,0914	,0941	,0967	,0993
11	,0478	,0504	,0531	,0558	,0585	,0613	,0640	,0667	,0695	,0722
12	,0283	,0303	,0323	,0344	,0366	,0388	,0411	,0434	,0457	,0481
13	,0154	,0168	,0181	,0196	,0211	,0227	,0243	,0260	,0278	,0296
14	,0078	,0086	,0095	,0104	,0113	,0123	,0134	,0145	,0157	,0169
15	,0037	,0041	,0046	,0051	,0057	,0062	,0069	,0075	,0083	,0090
16	,0016	,0019	,0021	,0024	,0026	,0030	,0033	,0037	,0041	,0045
17	,0007	,0008	,0009	,0010	,0012	,0013	,0015	,0017	,0019	,0021
18	,0003	,0003	,0004	,0004	,0005	,0006	,0006	,0007	,0008	,0009
19	,0001	,0001	,0001	,0002	,0002	,0002	,0003	,0003	,0003	,0004
20	,000	,000	,0001	,0001	,0001	,0001	,0001	,0001	,0001	,0002
21	,000	,000	,000	,000	,000	,000	,000	,000	,0001	,0001
x	$\lambda$									
	8,10	8,20	8,30	8,40	8,50	8,60	8,70	8,80	8,90	9,0
0	,0003	,0003	,0002	,0002	,0002	,0002	,0002	,0002	,0001	,0001
1	,0025	,0023	,0021	,0019	,0017	,0016	,0014	,0013	,0012	,0011
2	,0100	,0092	,0086	,0079	,0074	,0068	,0063	,0058	,0054	,0050
3	,0269	,0252	,0237	,0222	,0208	,0195	,0183	,0171	,0160	,0150
4	,0544	,0517	,0491	,0466	,0443	,0420	,0398	,0377	,0357	,0337
5	,0882	,0849	,0816	,0784	,0752	,0722	,0692	,0663	,0635	,0607
6	,1191	,1160	,1128	,1097	,1066	,1034	,1003	,0972	,0941	,0911
7	,1378	,1358	,1338	,1317	,1294	,1271	,1247	,1222	,1197	,1171
8	,1395	,1392	,1388	,1382	,1375	,1366	,1356	,1344	,1332	,1318
9	,1256	,1269	,1280	,1290	,1299	,1306	,1311	,1315	,1317	,1318
10	,1017	,1040	,1063	,1084	,1104	,1123	,1140	,1157	,1172	,1186
11	,0749	,0776	,0802	,0828	,0853	,0878	,0902	,0925	,0948	,0970
12	,0505	,0530	,0555	,0579	,0604	,0629	,0654	,0679	,0703	,0728
13	,0315	,0334	,0354	,0374	,0395	,0416	,0438	,0459	,0481	,0504
14	,0182	,0196	,0210	,0225	,0240	,0256	,0272	,0289	,0306	,0324
15	,0098	,0107	,0116	,0126	,0136	,0147	,0158	,0169	,0182	,0194
16	,0050	,0055	,0060	,0066	,0072	,0079	,0086	,0093	,0101	,0109
17	,0024	,0026	,0029	,0033	,0036	,0040	,0044	,0048	,0053	,0058
18	,0011	,0012	,0014	,0015	,0017	,0019	,0021	,0024	,0026	,0029
19	,0005	,0005	,0006	,0007	,0008	,0009	,0010	,0011	,0012	,0014
20	,0002	,0002	,0002	,0003	,0003	,0004	,0004	,0005	,0005	,0006
21	,0001	,0001	,0001	,0001	,0001	,0002	,0002	,0002	,0002	,0003
22	,000	,000	,000	,000	,0001	,0001	,0001	,0001	,0001	,0001

x	$\lambda$									
	9,10	9,20	9,30	9,40	9,50	9,60	9,70	9,80	9,90	10,0
0	,0001	,0001	,0001	,0001	,0001	,0001	,0001	,0001	,0001	,000
1	,0010	,0009	,0009	,0008	,0007	,0007	,0006	,0005	,0005	,0005
2	,0046	,0043	,0040	,0037	,0034	,0031	,0029	,0027	,0025	,0023
3	,0140	,0131	,0123	,0115	,0107	,0100	,0093	,0087	,0081	,0076
4	,0319	,0302	,0285	,0269	,0254	,0240	,0226	,0213	,0201	,0189
5	,0581	,0555	,0530	,0506	,0483	,0460	,0439	,0418	,0398	,0378
6	,0881	,0851	,0822	,0793	,0764	,0736	,0709	,0682	,0656	,0631
7	,1145	,1118	,1091	,1064	,1037	,1010	,0982	,0955	,0928	,0901
8	,1302	,1286	,1269	,1251	,1232	,1212	,1191	,1170	,1148	,1126
9	,1317	,1315	,1311	,1306	,1300	,1293	,1284	,1274	,1263	,1251
10	,1198	,1210	,1219	,1228	,1235	,1241	,1245	,1249	,1250	,1251
11	,0991	,1012	,1031	,1049	,1067	,1083	,1098	,1112	,1125	,1137
12	,0752	,0776	,0799	,0822	,0844	,0866	,0888	,0908	,0928	,0948
13	,0526	,0549	,0572	,0594	,0617	,0640	,0662	,0685	,0707	,0729
14	,0342	,0361	,0380	,0399	,0419	,0439	,0459	,0479	,0500	,0521
15	,0208	,0221	,0235	,0250	,0265	,0281	,0297	,0313	,0330	,0347
16	,0118	,0127	,0137	,0147	,0157	,0168	,0180	,0192	,0204	,0217
17	,0063	,0069	,0075	,0081	,0088	,0095	,0103	,0111	,0119	,0128
18	,0032	,0035	,0039	,0042	,0046	,0051	,0055	,0060	,0065	,0071
19	,0015	,0017	,0019	,0021	,0023	,0026	,0028	,0031	,0034	,0037
20	,0007	,0008	,0009	,0010	,0011	,0012	,0014	,0015	,0017	,0019
21	,0003	,0003	,0004	,0004	,0005	,0006	,0006	,0007	,0008	,0009
22	,0001	,0001	,0002	,0002	,0002	,0002	,0003	,0003	,0004	,0004
23	,000	,0001	,0001	,0001	,0001	,0001	,0001	,0001	,0002	,0002
24	,000	,000	,000	,000	,000	,000	,000	,0001	,0001	,0001
x	$\lambda$									
	11,0	12,0	13,0	14,0	15,0	16,0	17,0	18,0	19,0	20,0
0	,000	,000	,000	,000	,000	,000	,000	,000	,000	,000
1	,0002	,0001	,000	,000	,000	,000	,000	,000	,000	,000
2	,0010	,0004	,0002	,0001	,000	,000	,000	,000	,000	,000
3	,0037	,0018	,0008	,0004	,0002	,0001	,000	,000	,000	,000
4	,0102	,0053	,0027	,0013	,0006	,0003	,0001	,0001	,000	,000
5	,0224	,0127	,0070	,0037	,0019	,0010	,0005	,0002	,0001	,0001
6	,0411	,0255	,0152	,0087	,0048	,0026	,0014	,0007	,0004	,0002
7	,0646	,0437	,0281	,0174	,0104	,0060	,0034	,0019	,0010	,0005
8	,0888	,0655	,0457	,0304	,0194	,0120	,0072	,0042	,0024	,0013
9	,1085	,0874	,0661	,0473	,0324	,0213	,0135	,0083	,0050	,0029
10	,1194	,1048	,0859	,0663	,0486	,0341	,0230	,0150	,0095	,0058
11	,1194	,1144	,1015	,0844	,0663	,0496	,0355	,0245	,0164	,0106
12	,1094	,1144	,1099	,0984	,0829	,0661	,0504	,0368	,0259	,0176
13	,0926	,1056	,1099	,1060	,0956	,0814	,0658	,0509	,0378	,0271
14	,0728	,0905	,1021	,1060	,1024	,0930	,0800	,0655	,0514	,0387
15	,0534	,0724	,0885	,0989	,1024	,0992	,0906	,0786	,0650	,0516
16	,0367	,0543	,0719	,0866	,0960	,0992	,0963	,0884	,0772	,0646
17	,0237	,0383	,0550	,0713	,0847	,0934	,0963	,0936	,0863	,0760
18	,0145	,0255	,0397	,0554	,0706	,0830	,0909	,0936	,0911	,0844
19	,0084	,0161	,0272	,0409	,0557	,0699	,0814	,0887	,0911	,0888

x	$\lambda$									
	11,0	12,0	13,0	14,0	15,0	16,0	17,0	18,0	19,0	20,0
20	,0046	,0097	,0177	,0286	,0418	,0559	,0692	,0798	,0866	,0888
21	,0024	,0055	,0109	,0191	,0299	,0426	,0560	,0684	,0783	,0846
22	,0012	,0030	,0065	,0121	,0204	,0310	,0433	,0560	,0676	,0769
23	,0006	,0016	,0037	,0074	,0133	,0216	,0320	,0438	,0559	,0669
24	,0003	,0008	,0020	,0043	,0083	,0144	,0226	,0328	,0442	,0557
25	,0001	,0004	,0010	,0024	,0050	,0092	,0154	,0237	,0336	,0446
26	,000	,0002	,0005	,0013	,0029	,0057	,0101	,0164	,0246	,0343
27	,000	,0001	,0002	,0007	,0016	,0034	,0063	,0109	,0173	,0254
28	,000	,000	,0001	,0003	,0009	,0019	,0038	,0070	,0117	,0181
29	,000	,000	,0001	,0002	,0004	,0011	,0023	,0044	,0077	,0125
30	,000	,000	,000	,0001	,0002	,0006	,0013	,0026	,0049	,0083
31	,000	,000	,000	,000	,0001	,0003	,0007	,0015	,0030	,0054
32	,000	,000	,000	,000	,0001	,0001	,0004	,0009	,0018	,0034
33	,000	,000	,000	,000	,000	,0001	,0002	,0005	,0010	,0020
34	,000	,000	,000	,000	,000	,000	,0001	,0002	,0006	,0012
35	,000	,000	,000	,000	,000	,000	,000	,0001	,0003	,0007
36	,000	,000	,000	,000	,000	,000	,000	,0001	,0002	,0004
37	,000	,000	,000	,000	,000	,000	,000	,000	,0001	,0002
38	,000	,000	,000	,000	,000	,000	,000	,000	,000	,0001
39	,000	,000	,000	,000	,000	,000	,000	,000	,000	,0001

Z	F(Z)	Z	F(Z)	Z	F(Z)	Z	F(Z)
-6,00	,999999999	-2,61	,9955	-2,03	,9788	-1,45	,9265
-5,50	,999999998	-2,60	,9953	-2,02	,9783	-1,44	,9251
-5,00	,999999971	-2,59	,9952	-2,01	,9778	-1,43	,9236
-4,50	,999999660	-2,58	,9951	-2,00	,9772	-1,42	,9222
-4,00	,999996833	-2,57	,9949	-1,99	,9767	-1,41	,9207
-3,80	,9999	-2,56	,9948	-1,98	,9761	-1,40	,9192
-3,60	,9998	-2,55	,9946	-1,97	,9756	-1,39	,9177
-3,40	,9997	-2,54	,9945	-1,96	,9750	-1,38	,9162
-3,20	,9993	-2,53	,9943	-1,95	,9744	-1,37	,9147
-3,10	,9990	-2,52	,9941	-1,94	,9738	-1,36	,9131
-3,09	,9990	-2,51	,9940	-1,93	,9732	-1,35	,9115
-3,08	,9990	-2,50	,9938	-1,92	,9726	-1,34	,9099
-3,07	,9989	-2,49	,9936	-1,91	,9719	-1,33	,9082
-3,06	,9989	-2,48	,9934	-1,90	,9713	-1,32	,9066
-3,05	,9989	-2,47	,9932	-1,89	,9706	-1,31	,9049
-3,04	,9988	-2,46	,9931	-1,88	,9699	-1,30	,9032
-3,03	,9988	-2,45	,9929	-1,87	,9693	-1,29	,9015
-3,02	,9987	-2,44	,9927	-1,86	,9686	-1,28	,8997
-3,01	,9987	-2,43	,9925	-1,85	,9678	-1,27	,8980
-3,00	,9987	-2,42	,9922	-1,84	,9671	-1,26	,8962
-2,99	,9986	-2,41	,9920	-1,83	,9664	-1,25	,8944
-2,98	,9986	-2,40	,9918	-1,82	,9656	-1,24	,8925
-2,97	,9985	-2,39	,9916	-1,81	,9649	-1,23	,8907
-2,96	,9985	-2,38	,9913	-1,80	,9641	-1,22	,8888
-2,95	,9984	-2,37	,9911	-1,79	,9633	-1,21	,8869
-2,94	,9984	-2,36	,9909	-1,78	,9625	-1,20	,8849
-2,93	,9983	-2,35	,9906	-1,77	,9616	-1,19	,8830
-2,92	,9982	-2,34	,9904	-1,76	,9608	-1,18	,8810
-2,91	,9982	-2,33	,9901	-1,75	,9599	-1,17	,8790
-2,90	,9981	-2,32	,9898	-1,74	,9591	-1,16	,8770
-2,89	,9981	-2,31	,9896	-1,73	,9582	-1,15	,8749
-2,88	,9980	-2,30	,9893	-1,72	,9573	-1,14	,8729
-2,87	,9979	-2,29	,9890	-1,71	,9564	-1,13	,8708
-2,86	,9979	-2,28	,9887	-1,70	,9554	-1,12	,8686
-2,85	,9978	-2,27	,9884	-1,69	,9545	-1,11	,8665
-2,84	,9977	-2,26	,9881	-1,68	,9535	-1,10	,8643
-2,83	,9977	-2,25	,9878	-1,67	,9525	-1,09	,8621
-2,82	,9976	-2,24	,9875	-1,66	,9515	-1,08	,8599
-2,81	,9975	-2,23	,9871	-1,65	,9505	-1,07	,8577
-2,80	,9974	-2,22	,9868	-1,64	,9495	-1,06	,8554
-2,79	,9974	-2,21	,9864	-1,63	,9484	-1,05	,8531
-2,78	,9973	-2,20	,9861	-1,62	,9474	-1,04	,8508
-2,77	,9972	-2,19	,9857	-1,61	,9463	-1,03	,8485
-2,76	,9971	-2,18	,9854	-1,60	,9452	-1,02	,8461
-2,75	,9970	-2,17	,9850	-1,59	,9441	-1,01	,8438
-2,74	,9969	-2,16	,9846	-1,58	,9429	-1,00	,8413
-2,73	,9968	-2,15	,9842	-1,57	,9418	-0,99	,8389
-2,72	,9967	-2,14	,9838	-1,56	,9406	-0,98	,8365
-2,71	,9966	-2,13	,9834	-1,55	,9394	-0,97	,8340
-2,70	,9965	-2,12	,9830	-1,54	,9382	-0,96	,8315
-2,69	,9964	-2,11	,9826	-1,53	,9370	-0,95	,8289
-2,68	,9963	-2,10	,9821	-1,52	,9357	-0,94	,8264
-2,67	,9962	-2,09	,9817	-1,51	,9345	-0,93	,8238
-2,66	,9961	-2,08	,9812	-1,50	,9332	-0,92	,8212
-2,65	,9960	-2,07	,9808	-1,49	,9319	-0,91	,8186
-2,64	,9959	-2,06	,9803	-1,48	,9306	-0,90	,8159
-2,63	,9957	-2,05	,9798	-1,47	,9292	-0,89	,8133
-2,62	,9956	-2,04	,9793	-1,46	,9279	-0,88	,8106
Z	F(Z)	Z	F(Z)	Z	F(Z)	Z	F(Z)
-0,87	,8078	-0,65	,7422	-0,43	,6664	-0,21	,5832
-0,86	,8051	-0,64	,7389	-0,42	,6628	-0,20	,5793
-0,85	,8023	-0,63	,7357	-0,41	,6591	-0,19	,5753

-0,84	,7995	-0,62	,7324	-0,40	,6554	-0,18	,5714
-0,83	,7967	-0,61	,7291	-0,39	,6517	-0,17	,5675
-0,82	,7939	-0,60	,7257	-0,38	,6480	-0,16	,5636
-0,81	,7910	-0,59	,7224	-0,37	,6443	-0,15	,5596
-0,80	,7881	-0,58	,7190	-0,36	,6406	-0,14	,5557
-0,79	,7852	-0,57	,7157	-0,35	,6368	-0,13	,5517
-0,78	,7823	-0,56	,7123	-0,34	,6331	-0,12	,5478
-0,77	,7794	-0,55	,7088	-0,33	,6293	-0,11	,5438
-0,76	,7764	-0,54	,7054	-0,32	,6255	-0,10	,5398
-0,75	,7734	-0,53	,7019	-0,31	,6217	-0,09	,5359
-0,74	,7704	-0,52	,6985	-0,30	,6179	-0,08	,5319
-0,73	,7673	-0,51	,6950	-0,29	,6141	-0,07	,5279
-0,72	,7642	-0,50	,6915	-0,28	,6103	-0,06	,5239
-0,71	,7611	-0,49	,6879	-0,27	,6064	-0,05	,5199
-0,70	,7580	-0,48	,6844	-0,26	,6026	-0,04	,5160
-0,69	,7549	-0,47	,6808	-0,25	,5987	-0,03	,5120
-0,68	,7517	-0,46	,6772	-0,24	,5948	-0,02	,5080
-0,67	,7486	-0,45	,6736	-0,23	,5910	-0,01	,5040
-0,66	,7454	-0,44	,6700	-0,22	,5871	0,00	,5000
Z	F(Z)	Z	F(Z)	Z	F(Z)	Z	F(Z)
0,00	,5000	0,33	,3707	0,66	,2546	0,99	,1611
0,01	,4960	0,34	,3669	0,67	,2514	1,00	,1587
0,02	,4920	0,35	,3632	0,68	,2483	1,01	,1562
0,03	,4880	0,36	,3594	0,69	,2451	1,02	,1539
0,04	,4840	0,37	,3557	0,70	,2420	1,03	,1515
0,05	,4801	0,38	,3520	0,71	,2389	1,04	,1492
0,06	,4761	0,39	,3483	0,72	,2358	1,05	,1469
0,07	,4721	0,40	,3446	0,73	,2327	1,06	,1446
0,08	,4681	0,41	,3409	0,74	,2296	1,07	,1423
0,09	,4641	0,42	,3372	0,75	,2266	1,08	,1401
0,10	,4602	0,43	,3336	0,76	,2236	1,09	,1379
0,11	,4562	0,44	,3300	0,77	,2206	1,10	,1357
0,12	,4522	0,45	,3264	0,78	,2177	1,11	,1335
0,13	,4483	0,46	,3228	0,79	,2148	1,12	,1314
0,14	,4443	0,47	,3192	0,80	,2119	1,13	,1292
0,15	,4404	0,48	,3156	0,81	,2090	1,14	,1271
0,16	,4364	0,49	,3121	0,82	,2061	1,15	,1251
0,17	,4325	0,50	,3085	0,83	,2033	1,16	,1230
0,18	,4286	0,51	,3050	0,84	,2005	1,17	,1210
0,19	,4247	0,52	,3015	0,85	,1977	1,18	,1190
0,20	,4207	0,53	,2981	0,86	,1949	1,19	,1170
0,21	,4168	0,54	,2946	0,87	,1922	1,20	,1151
0,22	,4129	0,55	,2912	0,88	,1894	1,21	,1131
0,23	,4090	0,56	,2877	0,89	,1867	1,22	,1112
0,24	,4052	0,57	,2843	0,90	,1841	1,23	,1093
0,25	,4013	0,58	,2810	0,91	,1814	1,24	,1075
0,26	,3974	0,59	,2776	0,92	,1788	1,25	,1056
0,27	,3936	0,60	,2743	0,93	,1762	1,26	,1038
0,28	,3897	0,61	,2709	0,94	,1736	1,27	,1020
0,29	,3859	0,62	,2676	0,95	,1711	1,28	,1003
0,30	,3821	0,63	,2643	0,96	,1685	1,29	,0985
0,31	,3783	0,64	,2611	0,97	,1660	1,30	,0968
0,32	,3745	0,65	,2578	0,98	,1635	1,31	,0951
Z	F(Z)	Z	F(Z)	Z	F(Z)	Z	F(Z)
1,32	,0934	1,80	,0359	2,28	,0113	2,76	,0029
1,33	,0918	1,81	,0351	2,29	,0110	2,77	,0028
1,34	,0901	1,82	,0344	2,30	,0107	2,78	,0027
1,35	,0885	1,83	,0336	2,31	,0104	2,79	,0026
1,36	,0869	1,84	,0329	2,32	,0102	2,80	,0026
1,37	,0853	1,85	,0322	2,33	,0099	2,81	,0025
1,38	,0838	1,86	,0314	2,34	,0096	2,82	,0024
1,39	,0823	1,87	,0307	2,35	,0094	2,83	,0023

1,40	,0808	1,88	,0301	2,36	,0091	2,84	,0023
1,41	,0793	1,89	,0294	2,37	,0089	2,85	,0022
1,42	,0778	1,90	,0287	2,38	,0087	2,86	,0021
1,43	,0764	1,91	,0281	2,39	,0084	2,87	,0021
1,44	,0749	1,92	,0274	2,40	,0082	2,88	,0020
1,45	,0735	1,93	,0268	2,41	,0080	2,89	,0019
1,46	,0721	1,94	,0262	2,42	,0078	2,90	,0019
1,47	,0708	1,95	,0256	2,43	,0075	2,91	,0018
1,48	,0694	1,96	,0250	2,44	,0073	2,92	,0018
1,49	,0681	1,97	,0244	2,45	,0071	2,93	,0017
1,50	,0668	1,98	,0239	2,46	,0069	2,94	,0016
1,51	,0655	1,99	,0233	2,47	,0068	2,95	,0016
1,52	,0643	2,00	,0228	2,48	,0066	2,96	,0015
1,53	,0630	2,01	,0222	2,49	,0064	2,97	,0015
1,54	,0618	2,02	,0217	2,50	,0062	2,98	,0014
1,55	,0606	2,03	,0212	2,51	,0060	2,99	,0014
1,56	,0594	2,04	,0207	2,52	,0059	3,00	,0013
1,57	,0582	2,05	,0202	2,53	,0057	3,01	,0013
1,58	,0571	2,06	,0197	2,54	,0055	3,02	,0013
1,59	,0559	2,07	,0192	2,55	,0054	3,03	,0012
1,60	,0548	2,08	,0188	2,56	,0052	3,04	,0012
1,61	,0537	2,09	,0183	2,57	,0051	3,05	,0011
1,62	,0526	2,10	,0179	2,58	,0049	3,06	,0011
1,63	,0516	2,11	,0174	2,59	,0048	3,07	,0011
1,64	,0505	2,12	,0170	2,60	,0047	3,08	,0010
1,65	,0495	2,13	,0166	2,61	,0045	3,09	,0010
1,66	,0485	2,14	,0162	2,62	,0044	3,10	,0010
1,67	,0475	2,15	,0158	2,63	,0043	3,20	,0007
1,68	,0465	2,16	,0154	2,64	,0041	3,40	,0003
1,69	,0455	2,17	,0150	2,65	,0040	3,60	,0002
1,70	,0446	2,18	,0146	2,66	,0039	3,80	,0001
1,71	,0436	2,19	,0143	2,67	,0038	4,00	,00003167
1,72	,0427	2,20	,0139	2,68	,0037	4,50	,00000340
1,73	,0418	2,21	,0136	2,69	,0036	5,00	,00000029
1,74	,0409	2,22	,0132	2,70	,0035	5,50	,00000002
1,75	,0401	2,23	,0129	2,71	,0034	6,00	,000000001
1,76	,0392	2,24	,0125	2,72	,0033		
1,77	,0384	2,25	,0122	2,73	,0032		
1,78	,0375	2,26	,0119	2,74	,0031		
1,79	,0367	2,27	,0116	2,75	,0030		

Degrees of Freedom	<b>t</b> .100	<b>t</b> .050	<b>t</b> .025	<b>t</b> .010	<b>t</b> .005
1	3,078	6,314	12,706	31,821	63,657
2	1,886	2,920	4,303	6,965	9,925
3	1,638	2,353	3,182	4,541	5,841
4	1,533	2,132	2,776	3,747	4,604
5	1,476	2,015	2,571	3,365	4,032
6	1,440	1,943	2,447	3,143	3,707
7	1,415	1,895	2,365	2,998	3,499
8	1,397	1,860	2,306	2,896	3,355
9	1,383	1,833	2,262	2,821	3,250
10	1,372	1,812	2,228	2,764	3,169
11	1,363	1,796	2,201	2,718	3,106
12	1,356	1,782	2,179	2,681	3,055
13	1,350	1,771	2,160	2,650	3,012
14	1,345	1,761	2,145	2,624	2,977
15	1,341	1,753	2,131	2,602	2,947
16	1,337	1,746	2,120	2,583	2,921
17	1,333	1,740	2,110	2,567	2,898
18	1,330	1,734	2,101	2,552	2,878
19	1,328	1,729	2,093	2,539	2,861
20	1,325	1,725	2,086	2,528	2,845
21	1,323	1,721	2,080	2,518	2,831
22	1,321	1,717	2,074	2,508	2,819
23	1,319	1,714	2,069	2,500	2,807
24	1,318	1,711	2,064	2,492	2,797
25	1,316	1,708	2,060	2,485	2,787
26	1,315	1,706	2,056	2,479	2,779
27	1,314	1,703	2,052	2,473	2,771
28	1,313	1,701	2,048	2,467	2,763
29	1,311	1,699	2,045	2,462	2,756
30	1,310	1,697	2,042	2,457	2,750
40	1,303	1,684	2,021	2,423	2,704
60	1,296	1,671	2,00	2,390	2,660
120	1,289	1,658	1,980	2,358	2,617
∞	1,282	1,645	1,960	2,326	2,576



$n$	$k = 1$		$k = 2$		$k = 3$		$k = 4$		$k = 5$	
	$d_L$	$d_U$	$d_L$	$d_U$	$d_L$	$d_U$	$d_L$	$d_U$	$d_L$	$d_U$
15	1.08	1.36	0.95	1.54	0.82	1.75	0.69	1.97	0.56	2.21
16	1.10	1.37	0.98	1.54	0.86	1.73	0.74	1.93	0.62	2.15
17	1.13	1.38	1.02	1.54	0.90	1.71	0.78	1.90	0.67	2.10
18	1.16	1.39	1.05	1.53	0.93	1.69	0.82	1.87	0.71	2.06
19	1.18	1.40	1.08	1.53	0.97	1.68	0.86	1.85	0.75	2.02
20	1.20	1.41	1.10	1.54	1.00	1.68	0.90	1.83	0.79	1.99
21	1.22	1.42	1.13	1.54	1.03	1.67	0.93	1.81	0.83	1.96
22	1.24	1.43	1.15	1.54	1.05	1.66	0.96	1.80	0.86	1.94
23	1.26	1.44	1.17	1.54	1.08	1.66	0.99	1.79	0.90	1.92
24	1.27	1.45	1.19	1.55	1.10	1.66	1.01	1.78	0.93	1.90
25	1.29	1.45	1.21	1.55	1.12	1.66	1.04	1.77	0.95	1.89
26	1.30	1.46	1.22	1.55	1.14	1.65	1.06	1.76	0.98	1.88
27	1.32	1.47	1.24	1.56	1.16	1.65	1.08	1.76	1.01	1.86
28	1.33	1.48	1.26	1.56	1.18	1.65	1.10	1.75	1.03	1.85
29	1.34	1.48	1.27	1.56	1.20	1.65	1.12	1.74	1.05	1.84
30	1.35	1.49	1.28	1.57	1.21	1.65	1.14	1.74	1.07	1.83
31	1.36	1.50	1.30	1.57	1.23	1.65	1.16	1.74	1.09	1.83
32	1.37	1.50	1.31	1.57	1.24	1.65	1.18	1.73	1.11	1.82
33	1.38	1.51	1.32	1.58	1.26	1.65	1.19	1.73	1.13	1.81
34	1.39	1.51	1.33	1.58	1.27	1.65	1.21	1.73	1.15	1.81
35	1.40	1.52	1.34	1.58	1.28	1.65	1.22	1.73	1.16	1.80
36	1.41	1.52	1.35	1.59	1.29	1.65	1.24	1.73	1.18	1.80
37	1.42	1.53	1.36	1.59	1.31	1.66	1.25	1.72	1.19	1.80
38	1.43	1.54	1.37	1.59	1.32	1.66	1.26	1.72	1.21	1.79
39	1.43	1.54	1.38	1.60	1.33	1.66	1.27	1.72	1.22	1.79
40	1.44	1.54	1.39	1.60	1.34	1.66	1.29	1.72	1.23	1.79
45	1.48	1.57	1.43	1.62	1.38	1.67	1.34	1.72	1.29	1.78
50	1.50	1.59	1.46	1.63	1.42	1.67	1.38	1.72	1.34	1.77
55	1.53	1.60	1.49	1.64	1.45	1.68	1.41	1.72	1.38	1.77
60	1.55	1.62	1.51	1.65	1.48	1.69	1.44	1.73	1.41	1.77
65	1.57	1.63	1.54	1.66	1.50	1.70	1.47	1.73	1.44	1.77
70	1.58	1.64	1.55	1.67	1.52	1.70	1.49	1.74	1.46	1.77
75	1.60	1.65	1.57	1.68	1.54	1.71	1.51	1.74	1.49	1.77
80	1.61	1.66	1.59	1.69	1.56	1.72	1.53	1.74	1.51	1.77
85	1.62	1.67	1.60	1.70	1.57	1.72	1.55	1.75	1.52	1.77
90	1.63	1.68	1.61	1.70	1.59	1.73	1.57	1.75	1.54	1.78
95	1.64	1.69	1.62	1.71	1.60	1.73	1.58	1.75	1.56	1.78
100	1.65	1.69	1.63	1.72	1.61	1.74	1.59	1.76	1.57	1.78