

Berikut wikielektronika.com sajikan daftar table Chi Square lengkap yang kami rangkum dari sumber www.medcalc.org

DF	0.995	0.975	0.20	0.10	0.05	0.025	0.02	0.01	0.005	0.002	0.001
1	0.0000393	0.000982	1.642	2.706	3.841	5.024	5.412	6.635	7.879	9.550	10.828
2	0.0100	0.0506	3.219	4.605	5.991	7.378	7.824	9.210	10.597	12.429	13.816
3	0.0717	0.216	4.642	6.251	7.815	9.348	9.837	11.345	12.838	14.796	16.266
4	0.207	0.484	5.989	7.779	9.488	11.143	11.668	13.277	14.860	16.924	18.467
5	0.412	0.831	7.289	9.236	11.070	12.833	13.388	15.086	16.750	18.907	20.515
6	0.676	1.237	8.558	10.645	12.592	14.449	15.033	16.812	18.548	20.791	22.458
7	0.989	1.690	9.803	12.017	14.067	16.013	16.622	18.475	20.278	22.601	24.322
8	1.344	2.180	11.030	13.362	15.507	17.535	18.168	20.090	21.955	24.352	26.124
9	1.735	2.700	12.242	14.684	16.919	19.023	19.679	21.666	23.589	26.056	27.877
10	2.156	3.247	13.442	15.987	18.307	20.483	21.161	23.209	25.188	27.722	29.588
11	2.603	3.816	14.631	17.275	19.675	21.920	22.618	24.725	26.757	29.354	31.264
12	3.074	4.404	15.812	18.549	21.026	23.337	24.054	26.217	28.300	30.957	32.909
13	3.565	5.009	16.985	19.812	22.362	24.736	25.472	27.688	29.819	32.535	34.528
14	4.075	5.629	18.151	21.064	23.685	26.119	26.873	29.141	31.319	34.091	36.123
15	4.601	6.262	19.311	22.307	24.996	27.488	28.259	30.578	32.801	35.628	37.697
16	5.142	6.908	20.465	23.542	26.296	28.845	29.633	32.000	34.267	37.146	39.252
17	5.697	7.564	21.615	24.769	27.587	30.191	30.995	33.409	35.718	38.648	40.790
18	6.265	8.231	22.760	25.989	28.869	31.526	32.346	34.805	37.156	40.136	42.312
19	6.844	8.907	23.900	27.204	30.144	32.852	33.687	36.191	38.582	41.610	43.820
20	7.434	9.591	25.038	28.412	31.410	34.170	35.020	37.566	39.997	43.072	45.315

DF	0.995	0.975	0.20	0.10	0.05	0.025	0.02	0.01	0.005	0.002	0.001
21	8.034	10.283	26.171	29.615	32.671	35.479	36.343	38.932	41.401	44.522	46.797
22	8.643	10.982	27.301	30.813	33.924	36.781	37.659	40.289	42.796	45.962	48.268
23	9.260	11.689	28.429	32.007	35.172	38.076	38.968	41.638	44.181	47.391	49.728
24	9.886	12.401	29.553	33.196	36.415	39.364	40.270	42.980	45.559	48.812	51.179
25	10.520	13.120	30.675	34.382	37.652	40.646	41.566	44.314	46.928	50.223	52.620
26	11.160	13.844	31.795	35.563	38.885	41.923	42.856	45.642	48.290	51.627	54.052
27	11.808	14.573	32.912	36.741	40.113	43.195	44.140	46.963	49.645	53.023	55.476
28	12.461	15.308	34.027	37.916	41.337	44.461	45.419	48.278	50.993	54.411	56.892
29	13.121	16.047	35.139	39.087	42.557	45.722	46.693	49.588	52.336	55.792	58.301
30	13.787	16.791	36.250	40.256	43.773	46.979	47.962	50.892	53.672	57.167	59.703
31	14.458	17.539	37.359	41.422	44.985	48.232	49.226	52.191	55.003	58.536	61.098

32 15.134 18.291 38.466 42.585 46.194 49.480 50.487 53.486 56.328 59.899 62.487
33 15.815 19.047 39.572 43.745 47.400 50.725 51.743 54.776 57.648 61.256 63.870
34 16.501 19.806 40.676 44.903 48.602 51.966 52.995 56.061 58.964 62.608 65.247
35 17.192 20.569 41.778 46.059 49.802 53.203 54.244 57.342 60.275 63.955 66.619
36 17.887 21.336 42.879 47.212 50.998 54.437 55.489 58.619 61.581 65.296 67.985
37 18.586 22.106 43.978 48.363 52.192 55.668 56.730 59.893 62.883 66.633 69.346
38 19.289 22.878 45.076 49.513 53.384 56.896 57.969 61.162 64.181 67.966 70.703
39 19.996 23.654 46.173 50.660 54.572 58.120 59.204 62.428 65.476 69.294 72.055
40 20.707 24.433 47.269 51.805 55.758 59.342 60.436 63.691 66.766 70.618 73.402

DF 0.995 0.975 0.20 0.10 0.05 0.025 0.02 0.01 0.005 0.002 0.001
41 21.421 25.215 48.363 52.949 56.942 60.561 61.665 64.950 68.053 71.938 74.745
42 22.138 25.999 49.456 54.090 58.124 61.777 62.892 66.206 69.336 73.254 76.084
43 22.859 26.785 50.548 55.230 59.304 62.990 64.116 67.459 70.616 74.566 77.419
44 23.584 27.575 51.639 56.369 60.481 64.201 65.337 68.710 71.893 75.874 78.750
45 24.311 28.366 52.729 57.505 61.656 65.410 66.555 69.957 73.166 77.179 80.077
46 25.041 29.160 53.818 58.641 62.830 66.617 67.771 71.201 74.437 78.481 81.400
47 25.775 29.956 54.906 59.774 64.001 67.821 68.985 72.443 75.704 79.780 82.720
48 26.511 30.755 55.993 60.907 65.171 69.023 70.197 73.683 76.969 81.075 84.037
49 27.249 31.555 57.079 62.038 66.339 70.222 71.406 74.919 78.231 82.367 85.351
50 27.991 32.357 58.164 63.167 67.505 71.420 72.613 76.154 79.490 83.657 86.661
51 28.735 33.162 59.248 64.295 68.669 72.616 73.818 77.386 80.747 84.943 87.968
52 29.481 33.968 60.332 65.422 69.832 73.810 75.021 78.616 82.001 86.227 89.272
53 30.230 34.776 61.414 66.548 70.993 75.002 76.223 79.843 83.253 87.507 90.573
54 30.981 35.586 62.496 67.673 72.153 76.192 77.422 81.069 84.502 88.786 91.872
55 31.735 36.398 63.577 68.796 73.311 77.380 78.619 82.292 85.749 90.061 93.168
56 32.490 37.212 64.658 69.919 74.468 78.567 79.815 83.513 86.994 91.335 94.461
57 33.248 38.027 65.737 71.040 75.624 79.752 81.009 84.733 88.236 92.605 95.751
58 34.008 38.844 66.816 72.160 76.778 80.936 82.201 85.950 89.477 93.874 97.039
59 34.770 39.662 67.894 73.279 77.931 82.117 83.391 87.166 90.715 95.140 98.324
60 35.534 40.482 68.972 74.397 79.082 83.298 84.580 88.379 91.952 96.404 99.607

DF 0.995 0.975 0.20 0.10 0.05 0.025 0.02 0.01 0.005 0.002 0.001
61 36.301 41.303 70.049 75.514 80.232 84.476 85.767 89.591 93.186 97.665 100.888
62 37.068 42.126 71.125 76.630 81.381 85.654 86.953 90.802 94.419 98.925 102.166

63	37.838	42.950	72.201	77.745	82.529	86.830	88.137	92.010	95.649	100.182	103.442
64	38.610	43.776	73.276	78.860	83.675	88.004	89.320	93.217	96.878	101.437	104.716
65	39.383	44.603	74.351	79.973	84.821	89.177	90.501	94.422	98.105	102.691	105.988
66	40.158	45.431	75.424	81.085	85.965	90.349	91.681	95.626	99.330	103.942	107.258
67	40.935	46.261	76.498	82.197	87.108	91.519	92.860	96.828	100.554	105.192	108.526
68	41.713	47.092	77.571	83.308	88.250	92.689	94.037	98.028	101.776	106.440	109.791
69	42.494	47.924	78.643	84.418	89.391	93.856	95.213	99.228	102.996	107.685	111.055
70	43.275	48.758	79.715	85.527	90.531	95.023	96.388	100.425	104.215	108.929	112.317
71	44.058	49.592	80.786	86.635	91.670	96.189	97.561	101.621	105.432	110.172	113.577
72	44.843	50.428	81.857	87.743	92.808	97.353	98.733	102.816	106.648	111.412	114.835
73	45.629	51.265	82.927	88.850	93.945	98.516	99.904	104.010	107.862	112.651	116.092
74	46.417	52.103	83.997	89.956	95.081	99.678	101.074	105.202	109.074	113.889	117.346
75	47.206	52.942	85.066	91.061	96.217	100.839	102.243	106.393	110.286	115.125	118.599
76	47.997	53.782	86.135	92.166	97.351	101.999	103.410	107.583	111.495	116.359	119.850
77	48.788	54.623	87.203	93.270	98.484	103.158	104.576	108.771	112.704	117.591	121.100
78	49.582	55.466	88.271	94.374	99.617	104.316	105.742	109.958	113.911	118.823	122.348
79	50.376	56.309	89.338	95.476	100.749	105.473	106.906	111.144	115.117	120.052	123.594
80	51.172	57.153	90.405	96.578	101.879	106.629	108.069	112.329	116.321	121.280	124.839

DF	0.995	0.975	0.20	0.10	0.05	0.025	0.02	0.01	0.005	0.002	0.001
81	51.96 9	57.99 8	91.472	97.680	103.01 0	107.78 3	109.23 2	113.51 2	117.52 4	122.50 7	126.08 3
82	52.76 7	58.84 5	92.538	98.780	104.13 9	108.93 7	110.39 3	114.69 5	118.72 6	123.73 3	127.32 4
83	53.56 7	59.69 2	93.604	99.880	105.26 7	110.09 0	111.55 3	115.87 6	119.92 7	124.95 7	128.56 5
84	54.36 8	60.54 0	94.669	100.98 0	106.39 5	111.24 2	112.71 2	117.05 7	121.12 6	126.17 9	129.80 4
85	55.17 0	61.38 9	95.734	102.07 9	107.52 2	112.39 3	113.87 1	118.23 6	122.32 5	127.40 1	131.04 1
86	55.97 3	62.23 9	96.799	103.17 7	108.64 8	113.54 4	115.02 8	119.41 4	123.52 2	128.62 1	132.27 7
87	56.77 7	63.08 9	97.863	104.27 5	109.77 3	114.69 3	116.18 4	120.59 1	124.71 8	129.84 0	133.51 2
88	57.58 2	63.94 1	98.927	105.37 2	110.89 8	115.84 1	117.34 0	121.76 7	125.91 3	131.05 7	134.74 5
89	58.38 9	64.79 3	99.991	106.46 9	112.02 2	116.98 9	118.49 5	122.94 2	127.10 6	132.27 3	135.97 8

90	59.19 6	65.64 7	101.05 4	107.56 5	113.14 5	118.13 6	119.64 8	124.11 6	128.29 9	133.48 9	137.20 8
91	60.00 5	66.50 1	102.11 7	108.66 1	114.26 8	119.28 2	120.80 1	125.28 9	129.49 1	134.70 2	138.43 8
92	60.81 5	67.35 6	103.17 9	109.75 6	115.39 0	120.42 7	121.95 4	126.46 2	130.68 1	135.91 5	139.66 6
93	61.62 5	68.21 1	104.24 1	110.85 0	116.51 1	121.57 1	123.10 5	127.63 3	131.87 1	137.12 7	140.89 3
94	62.43 7	69.06 8	105.30 3	111.94 4	117.63 2	122.71 5	124.25 5	128.80 3	133.05 9	138.33 7	142.11 9
95	63.25 0	69.92 5	106.36 4	113.03 8	118.75 2	123.85 8	125.40 5	129.97 3	134.24 7	139.54 6	143.34 4
96	64.06 3	70.78 3	107.42 5	114.13 1	119.87 1	125.00 0	126.55 4	131.14 1	135.43 3	140.75 5	144.56 7
97	64.87 8	71.64 2	108.48 6	115.22 3	120.99 0	126.14 1	127.70 2	132.30 9	136.61 9	141.96 2	145.78 9
98	65.69 4	72.50 1	109.54 7	116.31 5	122.10 8	127.28 2	128.84 9	133.47 6	137.80 3	143.16 8	147.01 0
99	66.51 0	73.36 1	110.60 7	117.40 7	123.22 5	128.42 2	129.99 6	134.64 2	138.98 7	144.37 3	148.23 0
100	67.32 8	74.22 2	111.66 7	118.49 8	124.34 2	129.56 1	131.14 2	135.80 7	140.16 9	145.57 7	149.44 9

DF	0.995	0.975	0.20	0.10	0.05	0.025	0.02	0.01	0.005	0.002	0.001
10	68.14 6	75.08 3	112.72 6	119.58 9	125.45 8	130.70 0	132.28 7	136.97 1	141.35 1	146.78 0	150.66 7
10	68.96 2	75.94 6	113.78 6	120.67 9	126.57 4	131.83 8	133.43 1	138.13 4	142.53 2	147.98 2	151.88 4
10	69.78 3	76.80 9	114.84 5	121.76 9	127.68 9	132.97 5	134.57 5	139.29 7	143.71 2	149.18 3	153.09 9
10	70.60 4	77.67 2	115.90 3	122.85 8	128.80 4	134.11 1	135.71 8	140.45 9	144.89 1	150.38 3	154.31 4
10	71.42 5	78.53 6	116.96 2	123.94 7	129.91 8	135.24 7	136.86 0	141.62 0	146.07 0	151.58 2	155.52 8
10	72.25 6	79.40 1	118.02 0	125.03 5	131.03 1	136.38 2	138.00 2	142.78 0	147.24 7	152.78 0	156.74 0
10	73.07 7	80.26 7	119.07 8	126.12 3	132.14 4	137.51 7	139.14 3	143.94 0	148.42 4	153.97 7	157.95 2
10	73.89 8	81.13 3	120.13 5	127.21 1	133.25 7	138.65 1	140.28 3	145.09 9	149.59 9	155.17 3	159.16 2

10	74.72	82.00	121.19	128.29	134.36	139.78	141.42	146.25	150.77	156.36	160.37
9	4	0	2	8	9	4	3	7	4	9	2
11	75.55	82.86	122.25	129.38	135.48	140.91	142.56	147.41	151.94	157.56	161.58
0	0	7	0	5	0	7	2	4	8	3	1
11	76.37	83.73	123.30	130.47	136.59	142.04	143.70	148.57	153.12	158.75	162.78
1	7	5	6	2	1	9	0	1	2	7	8
11	77.20	84.60	124.36	131.55	137.70	143.18	144.83	149.72	154.29	159.95	163.99
2	4	4	3	8	1	0	8	7	4	0	5
11	78.03	85.47	125.41	132.64	138.81	144.31	145.97	150.88	155.46	161.14	165.20
3	3	3	9	3	1	1	5	2	6	1	1
11	78.86	86.34	126.47	133.72	139.92	145.44	147.11	152.03	156.63	162.33	166.40
4	2	2	5	9	1	1	1	7	7	2	6
11	79.69	87.21	127.53	134.81	141.03	146.57	148.24	153.19	157.80	163.52	167.61
5	2	3	1	3	0	1	7	1	8	3	0
11	80.52	88.08	128.58	135.89	142.13	147.70	149.38	154.34	158.97	164.71	168.81
6	2	4	7	8	8	0	3	4	7	2	3
11	81.35	88.95	129.64	136.98	143.24	148.82	150.51	155.49	160.14	165.90	170.01
7	3	5	2	2	6	9	7	6	6	0	6
11	82.18	89.82	130.69	138.06	144.35	149.95	151.65	156.64	161.31	167.08	171.21
8	5	7	7	6	4	7	2	8	4	8	7
11	83.01	90.70	131.75	139.14	145.46	151.08	152.78	157.80	162.48	168.27	172.41
9	8	0	2	9	1	4	5	0	1	5	8
12	83.85	91.57	132.80	140.23	146.56	152.21	153.91	158.95	163.64	169.46	173.61
0	2	3	6	3	7	1	8	0	8	1	7

DF	0.995	0.975	0.20	0.10	0.05	0.025	0.02	0.01	0.005	0.002	0.001
12	84.686	92.446	133.86	141.31	147.67	153.33	155.05	160.10	164.81	170.64	174.81
1			1	5	4	8	1	0	4	7	6
12	85.520	93.320	134.91	142.39	148.77	154.46	156.18	161.25	165.98	171.83	176.01
2			5	8	9	4	3	0	0	1	4
12	86.356	94.195	135.96	143.48	149.88	155.58	157.31	162.39	167.14	173.01	177.21
3			9	0	5	9	4	8	4	5	2
12	87.192	95.070	137.02	144.56	150.98	156.71	158.44	163.54	168.30	174.19	178.40
4			2	2	9	4	5	6	8	8	8
12	88.029	95.946	138.07	145.64	152.09	157.83	159.57	164.69	169.47	175.38	179.60
5			6	3	4	9	5	4	1	0	4
12	88.866	96.822	139.12	146.72	153.19	158.96	160.70	165.84	170.63	176.56	180.79
6			9	4	8	2	5	1	4	2	9
12	89.704	97.698	140.18	147.80	154.30	160.08	161.83	166.98	171.79	177.74	181.99
7			2	5	2	6	4	7	6	3	3

12	90.543	98.576	141.23	148.88	155.40	161.20	162.96	168.13	172.95	178.92	183.18
8			5	5	5	9	3	3	7	3	6
12	91.382	99.453	142.28	149.96	156.50	162.33	164.09	169.27	174.11	180.10	184.37
9			8	5	8	1	1	8	8	3	9
13	92.222	100.33	143.34	151.04	157.61	163.45	165.21	170.42	175.27	181.28	185.57
0		1	0	5	0	3	9	3	8	2	1
13	93.063	101.21	144.39	152.12	158.71	164.57	166.34	171.56	176.43	182.46	186.76
1		0	2	5	2	5	6	7	8	0	2
13	93.904	102.08	145.44	153.20	159.81	165.69	167.47	172.71	177.59	183.63	187.95
2		9	4	4	4	6	3	1	7	7	3
13	94.746	102.96	146.49	154.28	160.91	166.81	168.60	173.85	178.75	184.81	189.14
3		8	6	3	5	6	0	4	5	4	2
13	95.588	103.84	147.54	155.36	162.01	167.93	169.72	174.99	179.91	185.99	190.33
4		8	8	1	6	6	5	6	3	0	1
13	96.431	104.72	148.59	156.44	163.11	169.05	170.85	176.13	181.07	187.16	191.52
5		9	9	0	6	6	1	8	0	5	0
13	97.275	105.60	149.65	157.51	164.21	170.17	171.97	177.28	182.22	188.34	192.70
6		9	1	8	6	5	6	0	6	0	7
13	98.119	106.49	150.70	158.59	165.31	171.29	173.10	178.42	183.38	189.51	193.89
7		1	2	5	6	4	0	1	2	4	4
13	98.964	107.37	151.75	159.67	166.41	172.41	174.22	179.56	184.53	190.68	195.08
8		2	3	3	5	2	4	1	8	8	0
13	99.809	108.25	152.80	160.75	167.51	173.53	175.34	180.70	185.69	191.86	196.26
9		4	3	0	4	0	8	1	3	1	6
14	100.65	109.13	153.85	161.82	168.61	174.64	176.47	181.84	186.84	193.03	197.45
0	5	7	4	7	3	8	1	0	7	3	1

DF	0.995	0.975	0.20	0.10	0.05	0.025	0.02	0.01	0.005	0.002	0.001
14	101.50	110.02	154.90	162.90	169.71	175.76	177.59	182.97	188.00	194.20	198.63
1	1	0	4	4	1	5	4	9	1	5	5
14	102.34	110.90	155.95	163.98	170.80	176.88	178.71	184.11	189.15	195.37	199.81
2	8	3	4	0	9	2	6	8	4	6	9
14	103.19	111.78	157.00	165.05	171.90	177.99	179.83	185.25	190.30	196.54	201.00
3	6	7	4	6	7	8	8	6	6	6	2
14	104.04	112.67	158.05	166.13	173.00	179.11	180.95	186.39	191.45	197.71	202.18
4	4	1	4	2	4	4	9	3	8	6	4
14	104.89	113.55	159.10	167.20	174.10	180.22	182.08	187.53	192.61	198.88	203.36
5	2	6	4	7	1	9	0	0	0	5	6
14	105.74	114.44	160.15	168.28	175.19	181.34	183.20	188.66	193.76	200.05	204.54
6	1	1	3	3	8	4	0	6	1	4	7

14	106.59	115.32	161.20	169.35	176.29	182.45	184.32	189.80	194.91	201.22	205.72
7	1	6	2	8	4	9	1	2	2	2	7
14	107.44	116.21	162.25	170.43	177.39	183.57	185.44	190.93	196.06	202.39	206.90
8	1	2	1	2	0	3	0	8	2	0	7
14	108.29	117.09	163.30	171.50	178.48	184.68	186.56	192.07	197.21	203.55	208.08
9	1	8	0	7	5	7	0	3	1	7	6
15	109.14	117.98	164.34	172.58	179.58	185.80	187.67	193.20	198.36	204.72	209.26
0	2	5	9	1	1	0	8	8	0	3	5
15	109.99	118.87	165.39	173.65	180.67	186.91	188.79	194.34	199.50	205.88	210.44
1	4	1	8	5	6	4	7	2	9	9	3
15	110.84	119.75	166.44	174.72	181.77	188.02	189.91	195.47	200.65	207.05	211.62
2	6	9	6	9	0	6	5	6	7	4	0
15	111.69	120.64	167.49	175.80	182.86	189.13	191.03	196.60	201.80	208.21	212.79
3	8	6	5	3	5	9	3	9	4	9	7
15	112.55	121.53	168.54	176.87	183.95	190.25	192.15	197.74	202.95	209.38	213.97
4	1	4	3	6	9	1	0	2	1	3	3
15	113.40	122.42	169.59	177.94	185.05	191.36	193.26	198.87	204.09	210.54	215.14
5	5	3	1	9	2	2	7	4	8	7	9
15	114.25	123.31	170.63	179.02	186.14	192.47	194.38	200.00	205.24	211.71	216.32
6	9	2	9	2	6	4	4	6	4	0	4
15	115.11	124.20	171.68	180.09	187.23	193.58	195.50	201.13	206.39	212.87	217.49
7	3	1	6	4	9	4	0	8	0	3	9
15	115.96	125.09	172.73	181.16	188.33	194.69	196.61	202.26	207.53	214.03	218.67
8	8	0	4	7	2	5	6	9	5	5	3
15	116.82	125.98	173.78	182.23	189.42	195.80	197.73	203.40	208.68	215.19	219.84
9	3	0	1	9	4	5	1	0	0	7	6
16	117.67	126.87	174.82	183.31	190.51	196.91	198.84	204.53	209.82	216.35	221.01
0	9	0	8	1	6	5	6	0	4	8	9

DF	0.995	0.975	0.20	0.10	0.05	0.025	0.02	0.01	0.005	0.002	0.001
16	118.53	127.76	175.87	184.38	191.60	198.02	199.96	205.66	210.96	217.51	222.19
1	6	1	5	2	8	5	1	0	8	8	1
16	119.39	128.65	176.92	185.45	192.70	199.13	201.07	206.79	212.11	218.67	223.36
2	2	1	2	4	0	4	6	0	1	8	3
16	120.24	129.54	177.96	186.52	193.79	200.24	202.19	207.91	213.25	219.83	224.53
3	9	3	9	5	1	3	0	9	4	8	5
16	121.10	130.43	179.01	187.59	194.88	201.35	203.30	209.04	214.39	220.99	225.70
4	7	4	6	6	3	1	3	7	6	7	5
16	121.96	131.32	180.06	188.66	195.97	202.45	204.41	210.17	215.53	222.15	226.87
5	5	6	2	7	3	9	7	6	9	6	6

16	122.82	132.21	181.10	189.73	197.06	203.56	205.53	211.30	216.68	223.31	228.04
6	3	8	9	7	4	7	0	4	0	4	5
16	123.68	133.11	182.15	190.80	198.15	204.67	206.64	212.43	217.82	224.47	229.21
7	2	1	5	8	4	5	2	1	1	2	5
16	124.54	134.00	183.20	191.87	199.24	205.78	207.75	213.55	218.96	225.62	230.38
8	1	3	1	8	4	2	5	8	2	9	3
16	125.40	134.89	184.24	192.94	200.33	206.88	208.86	214.68	220.10	226.78	231.55
9	1	7	7	8	4	9	7	5	2	6	2
17	126.26	135.79	185.29	194.01	201.42	207.99	209.97	215.81	221.24	227.94	232.71
0	1	0	3	7	3	5	8	2	2	2	9
17	127.12	136.68	186.33	195.08	202.51	209.10	211.09	216.93	222.38	229.09	233.88
1	2	4	8	7	3	2	0	8	2	8	7
17	127.98	137.57	187.38	196.15	203.60	210.20	212.20	218.06	223.52	230.25	235.05
2	3	8	4	6	2	8	1	3	1	3	3
17	128.84	138.47	188.42	197.22	204.69	211.31	213.31	219.18	224.66	231.40	236.22
3	4	2	9	5	0	3	1	9	0	8	0
17	129.70	139.36	189.47	198.29	205.77	212.41	214.42	220.31	225.79	232.56	237.38
4	6	7	5	4	9	9	2	4	8	3	5
17	130.56	140.26	190.52	199.36	206.86	213.52	215.53	221.43	226.93	233.71	238.55
5	8	2	0	3	7	4	2	8	6	7	1
17	131.43	141.15	191.56	200.43	207.95	214.62	216.64	222.56	228.07	234.87	239.71
6	0	7	5	2	5	8	1	3	4	0	6
17	132.29	142.05	192.61	201.50	209.04	215.73	217.75	223.68	229.21	236.02	240.88
7	3	3	0	0	2	3	1	7	1	3	0
17	133.15	142.94	193.65	202.56	210.13	216.83	218.86	224.81	230.34	237.17	242.04
8	7	9	4	8	0	7	0	0	7	6	4
17	134.02	143.84	194.69	203.63	211.21	217.94	219.96	225.93	231.48	238.32	243.20
9	0	5	9	6	7	1	9	3	4	8	7
18	134.88	144.74	195.74	204.70	212.30	219.04	221.07	227.05	232.62	239.48	244.37
0	4	1	3	4	4	4	7	6	0	0	0

DF	0.995	0.975	0.20	0.10	0.05	0.025	0.02	0.01	0.005	0.002	0.001
18	135.74	145.63	196.78	205.77	213.39	220.14	222.18	228.17	233.75	240.63	245.53
1	9	8	8	1	1	8	5	9	5	2	3
18	136.61	146.53	197.83	206.83	214.47	221.25	223.29	229.30	234.89	241.78	246.69
2	4	5	2	9	7	1	3	1	1	3	5
18	137.47	147.43	198.87	207.90	215.56	222.35	224.40	230.42	236.02	242.93	247.85
3	9	2	6	6	3	3	1	3	6	3	7
18	138.34	148.33	199.92	208.97	216.64	223.45	225.50	231.54	237.16	244.08	249.01
4	4	0	0	3	9	6	8	4	0	4	8

18	139.21	149.22	200.96	210.04	217.73	224.55	226.61	232.66	238.29	245.23	250.17
5	0	8	4	0	5	8	5	5	4	4	9
18	140.07	150.12	202.00	211.10	218.82	225.66	227.72	233.78	239.42	246.38	251.33
6	7	6	8	6	0	0	2	6	8	3	9
18	140.94	151.02	203.05	212.17	219.90	226.76	228.82	234.90	240.56	247.53	252.49
7	3	4	2	3	6	1	8	7	1	2	9
18	141.81	151.92	204.09	213.23	220.99	227.86	229.93	236.02	241.69	248.68	253.65
8	0	3	5	9	1	3	5	7	4	1	9
18	142.67	152.82	205.13	214.30	222.07	228.96	231.04	237.14	242.82	249.82	254.81
9	8	2	9	5	6	4	0	7	7	9	8
19	143.54	153.72	206.18	215.37	223.16	230.06	232.14	238.26	243.95	250.97	255.97
0	5	1	2	1	0	4	6	6	9	7	6
19	144.41	154.62	207.22	216.43	224.24	231.16	233.25	239.38	245.09	252.12	257.13
1	3	1	5	7	5	5	1	6	1	4	5
19	145.28	155.52	208.26	217.50	225.32	232.26	234.35	240.50	246.22	253.27	258.29
2	2	1	8	2	9	5	6	5	3	1	2
19	146.15	156.42	209.31	218.56	226.41	233.36	235.46	241.62	247.35	254.41	259.45
3	0	1	1	8	3	5	1	3	4	8	0
19	147.02	157.32	210.35	219.63	227.49	234.46	236.56	242.74	248.48	255.56	260.60
4	0	1	4	3	6	5	6	2	5	4	7
19	147.88	158.22	211.39	220.69	228.58	235.56	237.67	243.86	249.61	256.71	261.76
5	9	1	7	8	0	4	0	0	6	0	3
19	148.75	159.12	212.43	221.76	229.66	236.66	238.77	244.97	250.74	257.85	262.92
6	9	2	9	3	3	4	4	7	6	5	0
19	149.62	160.02	213.48	222.82	230.74	237.76	239.87	246.09	251.87	259.00	264.07
7	9	3	2	8	6	3	7	5	6	1	5
19	150.49	160.92	214.52	223.89	231.82	238.86	240.98	247.21	253.00	260.14	265.23
8	9	5	4	2	9	1	1	2	6	5	1
19	151.37	161.82	215.56	224.95	232.91	239.96	242.08	248.32	254.13	261.29	266.38
9	0	6	7	7	2	0	4	9	5	0	6
20	152.24	162.72	216.60	226.02	233.99	241.05	243.18	249.44	255.26	262.43	267.54
0	1	8	9	1	4	8	7	5	4	4	1

DF	0.995	0.975	0.20	0.10	0.05	0.025	0.02	0.01	0.005	0.002	0.001
20	153.11	163.63	217.65	227.08	235.07	242.15	244.29	250.56	256.39	263.57	268.69
1	2	0	1	5	7	6	0	1	3	8	5
20	153.98	164.53	218.69	228.14	236.15	243.25	245.39	251.67	257.52	264.72	269.84
2	4	2	3	9	9	4	2	7	1	1	9
20	154.85	165.43	219.73	229.21	237.24	244.35	246.49	252.79	258.64	265.86	271.00
3	6	5	5	3	0	1	4	3	9	4	2

20	155.72	166.33	220.77	230.27	238.32	245.44	247.59	253.90	259.77	267.00	272.15
4	8	8	7	6	2	8	6	8	7	7	5
20	156.60	167.24	221.81	231.34	239.40	246.54	248.69	255.02	260.90	268.14	273.30
5	1	1	8	0	3	5	8	3	4	9	8
20	157.47	168.14	222.86	232.40	240.48	247.64	249.79	256.13	262.03	269.29	274.46
6	4	4	0	3	5	2	9	8	1	1	0
20	158.34	169.04	223.90	233.46	241.56	248.73	250.90	257.25	263.15	270.43	275.61
7	7	7	1	6	6	9	0	3	8	2	2
20	159.22	169.95	224.94	234.52	242.64	249.83	252.00	258.36	264.28	271.57	276.76
8	1	1	3	9	7	5	1	7	5	4	4
20	160.09	170.85	225.98	235.59	243.72	250.93	253.10	259.48	265.41	272.71	277.91
9	5	5	4	2	7	1	2	1	1	5	5
21	160.96	171.75	227.02	236.65	244.80	252.02	254.20	260.59	266.53	273.85	279.06
0	9	9	5	5	8	7	2	5	7	5	6
21	161.84	172.66	228.06	237.71	245.88	253.12	255.30	261.70	267.66	274.99	280.21
1	3	4	6	7	8	2	2	8	2	5	7
21	162.71	173.56	229.10	238.78	246.96	254.21	256.40	262.82	268.78	276.13	281.36
2	8	8	7	0	8	8	2	1	8	5	7
21	163.59	174.47	230.14	239.84	248.04	255.31	257.50	263.93	269.91	277.27	282.51
3	3	3	8	2	8	3	2	4	2	5	7
21	164.46	175.37	231.18	240.90	249.12	256.40	258.60	265.04	271.03	278.41	283.66
4	9	8	9	4	8	8	1	7	7	4	6
21	165.34	176.28	232.23	241.96	250.20	257.50	259.70	266.15	272.16	279.55	284.81
5	4	3	0	6	7	3	1	9	2	3	5
21	166.22	177.18	233.27	243.02	251.28	258.59	260.80	267.27	273.28	280.69	285.96
6	0	9	0	8	6	7	0	1	6	2	4
21	167.09	178.09	234.31	244.09	252.36	259.69	261.89	268.38	274.40	281.83	287.11
7	6	5	1	0	5	1	8	3	9	0	2
21	167.97	179.00	235.35	245.15	253.44	260.78	262.99	269.49	275.53	282.96	288.26
8	3	1	1	1	4	5	7	5	3	8	1
21	168.85	179.90	236.39	246.21	254.52	261.87	264.09	270.60	276.65	284.10	289.40
9	0	7	1	3	3	9	5	6	6	6	8
22	169.72	180.81	237.43	247.27	255.60	262.97	265.19	271.71	277.77	285.24	290.55
0	7	3	2	4	2	3	3	7	9	3	6

DF	0.995	0.975	0.20	0.10	0.05	0.025	0.02	0.01	0.005	0.002	0.001
22	170.60	181.72	238.47	248.33	256.68	264.06	266.29	272.82	278.90	286.38	291.70
1	4	0	2	5	0	6	1	8	2	0	3
22	171.48	182.62	239.51	249.39	257.75	265.15	267.38	273.93	280.02	287.51	292.85
2	2	7	2	6	8	9	9	9	4	7	0

22	172.36	183.53	240.55	250.45	258.83	266.25	268.48	275.04	281.14	288.65	293.99
3	0	4	2	7	7	2	6	9	6	3	6
22	173.23	184.44	241.59	251.51	259.91	267.34	269.58	276.15	282.26	289.78	295.14
4	8	1	2	7	4	5	4	9	8	9	2
22	174.11	185.34	242.63	252.57	260.99	268.43	270.68	277.26	283.39	290.92	296.28
5	6	8	1	8	2	8	1	9	0	5	8
22	174.99	186.25	243.67	253.63	262.07	269.53	271.77	278.37	284.51	292.06	297.43
6	5	6	1	8	0	0	7	9	1	1	3
22	175.87	187.16	244.71	254.69	263.14	270.62	272.87	279.48	285.63	293.19	298.57
7	4	4	1	9	7	2	4	8	2	6	9
22	176.75	188.07	245.75	255.75	264.22	271.71	273.97	280.59	286.75	294.33	299.72
8	3	2	0	9	4	4	0	7	3	1	3
22	177.63	188.98	246.79	256.81	265.30	272.80	275.06	281.70	287.87	295.46	300.86
9	3	0	0	9	1	6	6	6	4	5	8
23	178.51	189.88	247.82	257.87	266.37	273.89	276.16	282.81	288.99	296.60	302.01
0	2	9	9	9	8	8	2	4	4	0	2
23	179.39	190.79	248.86	258.93	267.45	274.98	277.25	283.92	290.11	297.73	303.15
1	2	7	8	9	5	9	8	3	4	4	6
23	180.27	191.70	249.90	259.99	268.53	276.08	278.35	285.03	291.23	298.86	304.29
2	3	6	8	8	1	0	4	1	4	7	9
23	181.15	192.61	250.94	261.05	269.60	277.17	279.44	286.13	292.35	300.00	305.44
3	3	5	7	8	8	1	9	9	3	1	3
23	182.03	193.52	251.98	262.11	270.68	278.26	280.54	287.24	293.47	301.13	306.58
4	4	4	6	7	4	2	4	7	2	4	6
23	182.91	194.43	253.02	263.17	271.76	279.35	281.63	288.35	294.59	302.26	307.72
5	5	4	5	6	0	2	9	4	1	7	8
23	183.79	195.34	254.06	264.23	272.83	280.44	282.73	289.46	295.71	303.40	308.87
6	6	3	3	5	6	3	4	1	0	0	1
23	184.67	196.25	255.10	265.29	273.91	281.53	283.82	290.56	296.82	304.53	310.01
7	8	3	2	4	1	3	8	8	8	2	3
23	185.56	197.16	256.14	266.35	274.98	282.62	284.92	291.67	297.94	305.66	311.15
8	0	3	1	3	7	3	2	5	7	4	4
23	186.44	198.07	257.17	267.41	276.06	283.71	286.01	292.78	299.06	306.79	312.29
9	2	3	9	2	2	3	6	2	5	6	6
24	187.32	198.98	258.21	268.47	277.13	284.80	287.11	293.88	300.18	307.92	313.43
0	4	4	8	1	8	2	0	8	2	7	7

DF	0.995	0.975	0.20	0.10	0.05	0.025	0.02	0.01	0.005	0.002	0.001
241	188.20	199.89	259.25	269.52	278.21	285.89	288.20	294.99	301.30	309.05	314.57
	7	4	6	9	3	2	4	4	0	8	8

242	189.09 0	200.80 5	260.29 5	270.58 8	279.28 8	286.98 1	289.29 8	296.10 0	302.41 7	310.18 9	315.71 8
243	189.97 3	201.71 6	261.33 3	271.64 6	280.36 2	288.07 0	290.39 1	297.20 6	303.53 4	311.32 0	316.85 9
244	190.85 6	202.62 7	262.37 1	272.70 4	281.43 7	289.15 9	291.48 4	298.31 1	304.65 1	312.45 0	317.99 9
245	191.73 9	203.53 9	263.40 9	273.76 2	282.51 1	290.24 8	292.57 7	299.41 7	305.76 7	313.58 0	319.13 8
246	192.62 3	204.45 0	264.44 7	274.82 0	283.58 6	291.33 6	293.67 0	300.52 2	306.88 3	314.71 0	320.27 8
247	193.50 7	205.36 2	265.48 5	275.87 8	284.66 0	292.42 5	294.76 2	301.62 6	307.99 9	315.84 0	321.41 7
248	194.39 1	206.27 4	266.52 3	276.93 5	285.73 4	293.51 3	295.85 5	302.73 1	309.11 5	316.96 9	322.55 6
249	195.27 6	207.18 6	267.56 1	277.99 3	286.80 8	294.60 1	296.94 7	303.83 5	310.23 1	318.09 8	323.69 4
250	196.16 1	208.09 8	268.59 9	279.05 0	287.88 2	295.68 9	298.03 9	304.94 0	311.34 6	319.22 7	324.83 2
300	240.66 3	253.91 2	320.39 7	331.78 9	341.39 5	349.87 4	352.42 5	359.90 6	366.84 4	375.36 9	381.42 5
350	285.60 8	300.06 4	372.05 1	384.30 6	394.62 6	403.72 3	406.45 7	414.47 4	421.90 0	431.01 7	437.48 8
400	330.90 3	346.48 2	423.59 0	436.64 9	447.63 2	457.30 5	460.21 1	468.72 4	476.60 6	486.27 4	493.13 2
450	376.48 3	393.11 8	475.03 5	488.84 9	500.45 6	510.67 0	513.73 6	522.71 7	531.02 6	541.21 2	548.43 2
500	422.30 3	439.93 6	526.40 1	540.93 0	553.12 7	563.85 2	567.07 0	576.49 3	585.20 7	595.88 2	603.44 6
550	468.32 8	486.91 0	577.70 1	592.90 9	605.66 7	616.87 8	620.24 1	630.08 4	639.18 3	650.32 4	658.21 5
600	514.52 9	534.01 9	628.94 3	644.80 0	658.09 4	669.76 9	673.27 0	683.51 6	692.98 2	704.56 8	712.77 1
650	560.88 5	581.24 5	680.13 4	696.61 4	710.42 1	722.54 2	726.17 6	736.80 7	746.62 5	758.63 9	767.14 1
700	607.38 0	628.57 7	731.28 0	748.35 9	762.66 1	775.21 1	778.97 2	789.97 4	800.13 1	812.55 6	821.34 7
750	653.99 7	676.00 3	782.38 6	800.04 3	814.82 2	827.78 5	831.67 0	843.02 9	853.51 4	866.33 6	875.40 4
800	700.72 5	723.51 3	833.45 6	851.67 1	866.91 1	880.27 5	884.27 9	895.98 4	906.78 6	919.99 1	929.32 9
850	747.55 4	771.09 9	884.49 2	903.24 9	918.93 7	932.68 9	936.80 8	948.84 8	959.95 7	973.53 4	983.13 3

900	794.47	818.75	935.49	954.78	970.90	985.03	989.26	1001.6	1013.0	1026.9	1036.8
	5	6	9	2	4	2	3	30	36	74	26
950	841.48	866.47	986.47	1006.2	1022.8	1037.3	1041.6	1054.3	1066.0	1080.3	1090.4
	0	7	8	72	16	11	51	34	31	20	18
100	888.56	914.25	1037.4	1057.7	1074.6	1089.5	1093.9	1106.9	1118.9	1133.5	1143.9
0	4	7	31	24	79	31	77	69	48	79	17