

df	Probability of a larger value of t, sign ignored								
	0.5	0.4	0.3	0.2	0.1	0.05	0.02	0.01	0.001
1	1.000	1.376	1.963	3.078	6.314	12.706	31.821	63.657	636.619
2	.816	1.061	1.386	1.886	2.920	4.303	6.965	9.925	31.598
3	.765	.978	1.250	1.638	2.353	3.182	4.541	5.841	12.941
4	.741	.941	1.190	1.533	2.132	2.776	3.747	4.604	8.610
5	.727	.920	1.156	1.476	2.015	2.571	3.365	4.032	6.859
6	.718	.906	1.134	1.440	1.943	2.447	3.143	3.707	5.959
7	.711	.896	1.119	1.415	1.895	2.365	2.998	3.499	5.405
8	.706	.889	1.108	1.397	1.860	2.306	2.896	3.355	5.041
9	.703	.883	1.100	1.383	1.833	2.262	2.821	3.250	4.781
10	.700	.879	1.093	1.372	1.812	2.228	2.764	3.169	4.587
11	.697	.876	1.088	1.363	1.796	2.201	2.718	3.106	4.437
12	.695	.873	1.083	1.356	1.782	2.179	2.681	3.055	4.318
13	.694	.870	1.079	1.350	1.771	2.160	2.650	3.012	4.221
14	.692	.868	1.076	1.345	1.761	2.145	2.624	2.977	4.140
15	.691	.866	1.074	1.341	1.753	2.131	2.602	2.947	4.073
16	.690	.865	1.071	1.337	1.746	2.120	2.583	2.921	4.015
17	.689	.863	1.069	1.333	1.740	2.110	2.567	2.898	3.965
18	.688	.862	1.067	1.330	1.734	2.101	2.552	2.878	3.922
19	.688	.861	1.066	1.328	1.729	2.093	2.539	2.861	3.883
20	.687	.860	1.064	1.325	1.725	2.086	2.528	2.845	3.850
21	.686	.859	1.063	1.323	1.721	2.080	2.518	2.831	3.819
22	.686	.858	1.061	1.321	1.717	2.074	2.508	2.819	3.792
23	.685	.858	1.060	1.319	1.714	2.069	2.500	2.807	3.767
24	.685	.857	1.059	1.318	1.711	2.064	2.492	2.797	3.745
25	.684	.856	1.058	1.316	1.708	2.060	2.485	2.787	3.725
26	.684	.856	1.058	1.315	1.706	2.056	2.479	2.779	3.707
27	.684	.855	1.057	1.314	1.703	2.052	2.473	2.771	3.690
28	.683	.855	1.056	1.313	1.701	2.048	2.467	2.763	3.674
29	.683	.854	1.055	1.311	1.699	2.045	2.462	2.756	3.659
30	.683	.854	1.055	1.310	1.697	2.042	2.457	2.750	3.646
40	.681	.851	1.050	1.303	1.684	2.021	2.423	2.704	3.551
60	.679	.848	1.046	1.296	1.671	2.000	2.390	2.660	3.460
120	.677	.845	1.041	1.289	1.658	1.980	2.358	2.617	3.373
∞	.674	.842	1.036	1.282	1.645	1.960	2.326	2.576	3.291
df	0.25	0.2	0.15	0.1	0.05	0.025	0.01	0.005	0.0005

Denominator df	Probability of a larger F	Numerator df								
		1	2	3	4	5	6	7	8	9
1	.100	39.86	49.50	53.59	55.83	57.24	58.20	58.91	59.44	59.86
	.050	161.4	199.5	215.7	224.6	230.2	234.0	236.8	238.9	240.5
	.025	647.8	799.5	864.2	899.6	921.8	937.1	948.2	956.7	963.3
	.010	4052	4999.5	5403	5625	5764	5859	5928	5982	6022
	.005	16211	20000	21615	22500	23056	23437	23715	23925	24091
2	.100	8.53	9.00	9.16	9.24	9.29	9.33	9.35	9.37	9.38
	.050	18.51	19.00	19.16	19.25	19.30	19.33	19.35	19.37	19.38
	.025	38.51	39.00	39.17	39.25	39.30	39.33	39.36	39.37	39.39
	.010	98.50	99.00	99.17	99.25	99.30	99.33	99.36	99.37	99.39
	.005	198.5	199.0	199.2	199.2	199.3	199.3	199.4	199.4	199.4
3	.100	5.54	5.46	5.39	5.34	5.31	5.28	5.27	5.25	5.24
	.050	10.13	9.55	9.28	9.12	9.01	8.94	8.89	8.85	8.81
	.025	17.44	16.04	15.44	15.10	14.88	14.73	14.62	14.54	14.47
	.010	34.12	30.82	29.46	28.71	28.24	27.91	27.67	27.49	27.35
	.005	55.55	49.80	47.47	46.19	45.39	44.84	44.43	44.13	43.88
4	.100	4.54	4.32	4.19	4.11	4.05	4.01	3.98	3.95	3.94
	.050	7.71	6.94	6.59	6.39	6.26	6.16	6.09	6.04	6.00
	.025	12.22	10.65	9.98	9.60	9.36	9.20	9.07	8.98	8.90
	.010	21.20	18.00	16.69	15.98	15.52	15.21	14.98	14.80	14.66
	.005	31.33	26.28	24.26	23.15	22.46	21.97	21.62	21.35	21.14
5	.100	4.06	3.78	3.62	3.52	3.45	3.40	3.37	3.34	3.32
	.050	6.61	5.79	5.41	5.19	5.05	4.95	4.88	4.82	4.77
	.025	10.01	8.43	7.76	7.39	7.15	6.98	6.85	6.76	6.68
	.010	16.26	13.27	12.06	11.39	10.97	10.67	10.46	10.29	10.16
	.005	22.78	18.31	16.53	15.56	14.94	14.51	14.20	13.96	13.77
6	.100	3.78	3.46	3.29	3.18	3.11	3.05	3.01	2.98	2.96
	.050	5.99	5.14	4.76	4.53	4.39	4.28	4.21	4.15	4.10
	.025	8.81	7.26	6.60	6.23	5.99	5.82	5.70	5.60	5.52
	.010	13.75	10.92	9.78	9.15	8.75	8.47	8.26	8.10	7.98
	.005	18.63	14.54	12.92	12.03	11.46	11.07	10.79	10.57	10.39
7	.100	3.59	3.26	3.07	2.96	2.88	2.83	2.78	2.75	2.72
	.050	5.59	4.74	4.35	4.12	3.97	3.87	3.79	3.73	3.68
	.025	8.07	6.54	5.89	5.52	5.29	5.12	4.99	4.90	4.82
	.010	12.25	9.55	8.45	7.85	7.46	7.19	6.99	6.84	6.72
	.005	16.24	12.40	10.88	10.05	9.52	9.16	8.89	8.68	8.51
8	.100	3.46	3.11	2.92	2.81	2.73	2.67	2.62	2.59	2.56
	.050	5.32	4.46	4.07	3.84	3.69	3.58	3.50	3.44	3.39
	.025	7.57	6.06	5.42	5.05	4.82	4.65	4.53	4.43	4.36
	.010	11.26	8.65	7.59	7.01	6.63	6.37	6.18	6.03	5.91
	.005	14.69	11.04	9.60	8.81	8.30	7.95	7.69	7.50	7.34
9	.100	3.36	3.01	2.81	2.69	2.61	2.55	2.51	2.47	2.44
	.050	5.12	4.26	3.86	3.63	3.48	3.37	3.29	3.23	3.18
	.025	7.21	5.71	5.08	4.72	4.48	4.32	4.20	4.10	4.03
	.010	10.56	8.02	6.99	6.42	6.06	5.80	5.61	5.47	5.35
	.005	13.61	10.11	8.72	7.96	7.47	7.13	6.88	6.69	6.54
10	.100	3.29	2.92	2.73	2.61	2.52	2.46	2.41	2.38	2.35
	.050	4.96	4.10	3.71	3.48	3.33	3.22	3.14	3.07	3.02
	.025	6.94	5.46	4.83	4.47	4.24	4.07	3.95	3.85	3.78
	.010	10.04	7.56	6.55	5.99	5.64	5.39	5.20	5.06	4.94
	.005	12.83	9.43	8.08	7.34	6.87	6.54	6.30	6.12	5.97
11	.100	3.23	2.86	2.66	2.54	2.45	2.39	2.34	2.30	2.27
	.050	4.84	3.98	3.59	3.36	3.20	3.09	3.01	2.95	2.90
	.025	6.72	5.26	4.63	4.28	4.04	3.88	3.76	3.66	3.59
	.010	9.65	7.21	6.22	5.67	5.32	5.07	4.89	4.74	4.63
	.005	12.23	8.91	7.60	6.88	6.42	6.10	5.86	5.68	5.54
12	.100	3.18	2.81	2.61	2.48	2.39	2.33	2.28	2.24	2.21
	.050	4.75	3.89	3.49	3.26	3.11	3.00	2.91	2.85	2.80
	.025	6.55	5.10	4.47	4.12	3.89	3.73	3.61	3.51	3.44
	.010	9.33	6.93	5.95	5.41	5.06	4.82	4.64	4.50	4.39
	.005	11.75	8.51	7.23	6.52	6.07	5.76	5.52	5.35	5.20
13	.100	3.14	2.76	2.56	2.43	2.35	2.28	2.23	2.20	2.16
	.050	4.67	3.81	3.41	3.18	3.03	2.92	2.83	2.77	2.71
	.025	6.41	4.97	4.35	4.00	3.77	3.60	3.48	3.39	3.31
	.010	9.07	6.70	5.74	5.21	4.86	4.62	4.44	4.30	4.19
	.005	11.37	8.19	6.93	6.23	5.79	5.48	5.25	5.08	4.94
14	.100	3.10	2.73	2.52	2.39	2.31	2.24	2.19	2.15	2.12
	.050	4.60	3.74	3.34	3.11	2.96	2.85	2.76	2.70	2.65
	.025	6.30	4.86	4.24	3.89	3.66	3.50	3.38	3.29	3.21
	.010	8.86	6.51	5.56	5.04	4.69	4.46	4.28	4.14	4.03
	.005	11.06	7.92	6.68	6.00	5.56	5.26	5.03	4.86	4.72

	10	12	15	20	24	30	40	60	120	∞	P
	60.19	60.71	61.22	61.74	62.00	62.26	62.53	62.79	63.06	63.33	.100
	241.9	243.9	245.9	248.0	249.1	250.1	251.1	252.2	253.3	254.3	.050
	968.6	976.7	984.9	993.1	997.2	1001	1006	1010	1014	1018	.025
	6056	6106	6157	6209	6235	6261	6287	6313	6339	6366	.010
	24224	24426	24630	24836	24940	25044	25148	25253	25359	25465	.005
	9.39	9.41	9.42	9.44	9.45	9.46	9.47	9.47	9.48	9.49	.100
	19.40	19.41	19.43	19.45	19.45	19.46	19.47	19.48	19.49	19.50	.050
	39.40	39.41	39.43	39.45	39.46	39.46	39.47	39.48	39.49	39.50	.025
	99.40	99.42	99.43	99.45	99.46	99.47	99.47	99.48	99.49	99.50	.010
	199.4	199.4	199.4	199.4	199.5	199.5	199.5	199.5	199.5	199.5	.005
	5.23	5.22	5.20	5.18	5.18	5.17	5.16	5.15	5.14	5.13	.100
	8.79	8.74	8.70	8.66	8.64	8.62	8.59	8.57	8.55	8.53	.050
	14.42	14.34	14.25	14.17	14.12	14.08	14.04	13.99	13.95	13.90	.025
	27.23	27.05	26.87	26.69	26.60	26.50	26.41	26.32	26.22	26.13	.010
	43.69	43.39	43.08	42.78	42.62	42.47	42.31	42.15	41.99	41.83	.005
	3.92	3.90	3.87	3.84	3.83	3.82	3.80	3.79	3.78	3.76	.100
	5.96	5.91	5.86	5.80	5.77	5.75	5.72	5.69	5.66	5.63	.050
	8.84	8.75	8.66	8.56	8.51	8.46	8.41	8.36	8.31	8.26	.025
	14.55	14.37	14.20	14.02	13.93	13.84	13.75	13.65	13.56	13.46	.010
	20.97	20.70	20.44	20.17	20.03	19.89	19.75	19.61	19.47	19.32	.005
	3.30	3.27	3.24	3.21	3.19	3.17	3.16	3.14	3.12	3.10	.100
	4.74	4.68	4.62	4.56	4.53	4.50	4.46	4.43	4.40	4.36	.050
	6.62	6.52	6.43	6.33	6.28	6.23	6.18	6.12	6.07	6.02	.025
	10.05	9.89	9.72	9.55	9.47	9.38	9.29	9.20	9.11	9.02	.010
	13.62	13.38	13.15	12.90	12.78	12.66	12.53	12.40	12.27	12.14	.005
	2.94	2.90	2.87	2.84	2.82	2.80	2.78	2.76	2.74	2.72	.100
	4.06	4.00	3.94	3.87	3.84	3.81	3.77	3.74	3.70	3.67	.050
	5.46	5.37	5.27	5.17	5.12	5.07	5.01	4.96	4.90	4.85	.025
	7.87	7.72	7.56	7.40	7.31	7.23	7.14	7.06	6.97	6.88	.010
	10.25	10.03	9.81	9.59	9.47	9.36	9.24	9.12	9.00	8.88	.005
	2.70	2.67	2.63	2.59	2.58	2.56	2.54	2.51	2.49	2.47	.100
	3.64	3.57	3.51	3.44	3.41	3.38	3.34	3.30	3.27	3.23	.050
	4.76	4.67	4.57	4.47	4.42	4.36	4.31	4.25	4.20	4.14	.025
	6.62	6.47	6.31	6.16	6.07	5.99	5.91	5.82	5.74	5.65	.010
	8.38	8.18	7.97	7.75	7.65	7.53	7.42	7.31	7.19	7.08	.005
	2.54	2.50	2.46	2.42	2.40	2.38	2.36	2.34	2.32	2.29	.100
	3.35	3.28	3.22	3.15	3.12	3.08	3.04	3.01	2.97	2.93	.050
	4.30	4.20	4.10	4.00	3.95	3.89	3.84	3.78	3.73	3.67	.025
	5.81	5.67	5.52	5.36	5.28	5.20	5.12	5.03	4.95	4.86	.010
	7.21	7.01	6.81	6.61	6.50	6.40	6.29	6.18	6.06	5.95	.005
	2.42	2.38	2.34	2.30	2.28	2.25	2.23	2.21	2.18	2.16	.100
	3.14	3.07	3.01	2.94	2.90	2.86	2.83	2.79	2.75	2.71	.050
	3.96	3.87	3.77	3.67	3.61	3.56	3.51	3.45	3.39	3.33	.025
	5.26	5.11	4.96	4.81	4.73	4.65	4.57	4.48	4.40	4.31	.010
	6.42	6.23	6.03	5.83	5.73	5.62	5.52	5.41	5.30	5.19	.005
	2.32	2.28	2.24	2.20	2.18	2.16	2.13	2.11	2.08	2.06	.100
	2.98	2.91	2.85	2.77	2.74	2.70	2.66	2.62	2.58	2.54	.050
	3.72	3.62	3.52	3.42	3.37	3.31	3.26	3.20	3.14	3.08	.025
	4.85	4.71	4.56	4.41	4.33	4.25	4.17	4.08	4.00	3.91	.010
	5.85	5.66	5.47	5.27	5.17	5.07	4.97	4.86	4.75	4.64	.005
	2.25	2.21	2.17	2.12	2.10	2.08	2.05	2.03	2.00	1.97	.100
	2.85	2.79	2.72	2.65	2.61	2.57	2.53	2.49	2.45	2.40	.050
	3.53	3.43	3.33	3.23	3.17	3.12	3.06	3.00	2.94	2.88	.025
	4.54	4.40	4.25	4.10	4.02	3.94	3.86	3.78	3.69	3.60	.010
	5.42	5.24	5.05	4.86	4.76	4.65	4.55	4.44	4.34	4.23	.005
	2.19	2.15	2.10	2.06	2.04	2.01	1.99	1.96	1.93	1.90	.100
	2.75	2.69	2.62	2.54	2.51	2.47	2.43	2.38	2.34	2.30	.050
	3.37	3.28	3.18	3.07	3.02	2.96	2.91	2.85	2.79	2.72	.025
	4.30	4.16	4.01	3.86	3.78	3.70	3.62	3.54	3.45	3.36	.010
	5.09	4.91	4.72	4.53	4.43	4.33	4.23	4.12	4.01	3.90	.005
	2.14	2.10	2.05	2.01	1.98	1.96	1.93	1.90	1.88	1.85	.100
	2.67	2.60	2.53	2.46	2.42	2.38	2.34	2.30	2.25	2.21	.050
	3.25	3.15	3.05	2.95	2.89	2.84	2.78	2.72	2.66	2.60	.025
	4.10	3.96	3.82	3.66	3.59	3.51	3.43	3.34	3.25	3.17	.010
	4.82	4.64	4.46	4.27	4.17	4.07	3.97	3.87	3.76	3.65	.005
	2.10	2.05	2.01	1.96	1.94	1.91	1.89	1.86	1.83	1.80	.100
	2.60	2.53	2.46	2.39	2.35	2.31	2.27	2.22	2.18	2.13	.050
	3.15	3.05	2.95	2.84	2.79	2.73	2.67	2.61	2.55	2.49	.025
	3.94	3.80	3.66	3.51	3.43	3.35	3.27	3.18	3.09	3.00	.010
	4.60	4.43	4.25	4.06	3.96	3.86	3.76	3.66	3.56	3.44	.005

Denominator <i>df</i>	Probability of a larger <i>F</i>	
1	.100	3
	.050	16
	.025	64
	.010	405
	.005	1621
2	.100	1
	.050	1
	.025	3
	.010	9
	.005	19
3	.100	1
	.050	1
	.025	1
	.010	3
	.005	5
4	.100	1
	.050	1
	.025	1
	.010	2
	.005	3
5	.100	1
	.050	1
	.025	1
	.010	1
	.005	2
6	.100	1
	.050	1
	.025	1
	.010	1
	.005	1
7	.100	1
	.050	1
	.025	1
	.010	1
	.005	1
8	.100	1
	.050	1
	.025	1
	.010	1
	.005	1
9	.100	1
	.050	1
	.025	1
	.010	1
	.005	1
10	.100	1
	.050	1
	.025	1
	.010	1
	.005	1
11	.100	1
	.050	1
	.025	1
	.010	1
	.005	1
12	.100	1
	.050	1
	.025	1
	.010	1
	.005	1
13	.100	1
	.050	1
	.025	1
	.010	1
	.005	1
14	.100	1
	.050	1
	.025	1
	.010	1
	.005	1

df	Denominator df	Probability of a larger F	Numerator df								
			1	2	3	4	5	6	7	8	9
15	.100	3.07	2.70	2.49	2.36	2.27	2.21	2.16	2.12	2.09	
	.050	4.54	3.68	3.29	3.06	2.90	2.79	2.71	2.64	2.59	
	.025	6.20	4.77	4.15	3.80	3.58	3.41	3.29	3.20	3.12	
	.010	8.68	6.36	5.42	4.89	4.56	4.32	4.14	4.00	3.89	
	.005	10.80	7.70	6.48	5.80	5.37	5.07	4.85	4.67	4.54	
16	.100	3.05	2.67	2.46	2.33	2.24	2.18	2.13	2.09	2.06	
	.050	4.49	3.63	3.24	3.01	2.85	2.74	2.66	2.59	2.54	
	.025	6.12	4.69	4.08	3.73	3.50	3.34	3.22	3.12	3.05	
	.010	8.53	6.23	5.29	4.77	4.44	4.20	4.03	3.89	3.78	
	.005	10.58	7.51	6.30	5.64	5.21	4.91	4.69	4.52	4.38	
17	.100	3.03	2.64	2.44	2.31	2.22	2.15	2.10	2.06	2.03	
	.050	4.45	3.59	3.20	2.96	2.81	2.70	2.61	2.55	2.49	
	.025	6.04	4.62	4.01	3.66	3.44	3.28	3.16	3.06	2.98	
	.010	8.40	6.11	5.18	4.67	4.34	4.10	3.93	3.79	3.68	
	.005	10.38	7.35	6.16	5.50	5.07	4.78	4.56	4.39	4.25	
18	.100	3.01	2.62	2.42	2.29	2.20	2.13	2.08	2.04	2.00	
	.050	4.41	3.55	3.16	2.93	2.77	2.66	2.58	2.51	2.46	
	.025	5.98	4.56	3.95	3.61	3.38	3.22	3.10	3.01	2.93	
	.010	8.29	6.01	5.09	4.58	4.25	4.01	3.84	3.71	3.60	
	.005	10.22	7.21	6.03	5.37	4.96	4.66	4.44	4.28	4.14	
19	.100	2.99	2.61	2.40	2.27	2.18	2.11	2.06	2.02	1.98	
	.050	4.38	3.52	3.13	2.90	2.74	2.63	2.54	2.48	2.42	
	.025	5.92	4.51	3.90	3.56	3.33	3.17	3.05	2.96	2.88	
	.010	8.18	5.93	5.01	4.50	4.17	3.94	3.77	3.63	3.52	
	.005	10.07	7.09	5.92	5.27	4.85	4.56	4.34	4.18	4.04	
20	.100	2.97	2.59	2.38	2.25	2.16	2.09	2.04	2.00	1.96	
	.050	4.35	3.49	3.10	2.87	2.71	2.60	2.51	2.45	2.39	
	.025	5.87	4.46	3.86	3.51	3.29	3.13	3.01	2.91	2.84	
	.010	8.10	5.85	4.94	4.43	4.10	3.87	3.70	3.56	3.46	
	.005	9.94	6.99	5.82	5.17	4.76	4.47	4.26	4.09	3.96	
21	.100	2.96	2.57	2.36	2.23	2.14	2.08	2.02	1.98	1.95	
	.050	4.32	3.47	3.07	2.84	2.68	2.57	2.49	2.42	2.37	
	.025	5.83	4.42	3.82	3.48	3.25	3.09	2.97	2.87	2.80	
	.010	8.02	5.78	4.87	4.37	4.04	3.81	3.64	3.51	3.40	
	.005	9.83	6.89	5.73	5.09	4.68	4.39	4.18	4.01	3.88	
22	.100	2.95	2.56	2.35	2.22	2.13	2.06	2.01	1.97	1.93	
	.050	4.30	3.44	3.05	2.82	2.66	2.55	2.46	2.40	2.34	
	.025	5.79	4.38	3.78	3.44	3.22	3.05	2.93	2.84	2.76	
	.010	7.95	5.72	4.82	4.31	3.99	3.76	3.59	3.45	3.35	
	.005	9.73	6.81	5.65	5.02	4.61	4.32	4.11	3.94	3.81	
23	.100	2.94	2.55	2.34	2.21	2.11	2.05	1.99	1.95	1.92	
	.050	4.28	3.42	3.03	2.80	2.64	2.53	2.44	2.37	2.32	
	.025	5.75	4.35	3.75	3.41	3.18	3.02	2.90	2.81	2.73	
	.010	7.88	5.66	4.76	4.26	3.94	3.71	3.54	3.41	3.30	
	.005	9.63	6.73	5.58	4.95	4.54	4.26	4.05	3.88	3.75	
24	.100	2.93	2.54	2.33	2.19	2.10	2.04	1.98	1.94	1.91	
	.050	4.26	3.40	3.01	2.78	2.62	2.51	2.42	2.36	2.30	
	.025	5.72	4.32	3.72	3.38	3.15	2.99	2.87	2.78	2.70	
	.010	7.82	5.61	4.72	4.22	3.90	3.67	3.50	3.36	3.26	
	.005	9.55	6.66	5.52	4.89	4.49	4.20	3.99	3.83	3.69	
25	.100	2.92	2.53	2.32	2.18	2.09	2.02	1.97	1.93	1.89	
	.050	4.24	3.39	2.99	2.76	2.60	2.49	2.40	2.34	2.28	
	.025	5.69	4.29	3.69	3.35	3.13	2.97	2.85	2.75	2.68	
	.010	7.77	5.57	4.68	4.18	3.85	3.63	3.46	3.32	3.22	
	.005	9.48	6.60	5.46	4.84	4.43	4.15	3.94	3.78	3.64	
26	.100	2.91	2.52	2.31	2.17	2.08	2.01	1.96	1.92	1.88	
	.050	4.23	3.37	2.98	2.74	2.59	2.47	2.39	2.32	2.27	
	.025	5.66	4.27	3.67	3.33	3.10	2.94	2.82	2.73	2.65	
	.010	7.72	5.53	4.64	4.14	3.82	3.59	3.42	3.29	3.18	
	.005	9.41	6.54	5.41	4.79	4.38	4.10	3.89	3.73	3.60	
27	.100	2.90	2.51	2.30	2.17	2.07	2.00	1.95	1.91	1.87	
	.050	4.21	3.35	2.96	2.73	2.57	2.46	2.37	2.31	2.25	
	.025	5.63	4.24	3.65	3.31	3.08	2.92	2.80	2.71	2.63	
	.010	7.68	5.49	4.60	4.11	3.78	3.56	3.39	3.26	3.15	
	.005	9.34	6.49	5.36	4.74	4.34	4.06	3.85	3.69	3.56	
28	.100	2.89	2.50	2.29	2.16	2.06	2.00	1.94	1.90	1.87	
	.050	4.20	3.34	2.95	2.71	2.56	2.45	2.36	2.29	2.24	
	.025	5.61	4.22	3.63	3.29	3.06	2.90	2.78	2.69	2.61	
	.010	7.64	5.45	4.57	4.07	3.75	3.53	3.36	3.23	3.12	
	.005	9.28	6.44	5.32	4.70	4.30	4.02	3.81	3.65	3.52	

جدول (4) قيم SSR لدنكن SSR (Duncan)

$p = \text{number of means for range being tested}$

Error df	Protection level	$p = \text{number of means for range being tested}$																	
		2	3	4	5	6	7	8	9	10	12	14	16	18	20				
1	.05	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0	18.0			
	.01	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0			
2	.05	6.09	6.09	6.09	6.09	6.09	6.09	6.09	6.09	6.09	6.09	6.09	6.09	6.09	6.09	6.09			
	.01	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0			
3	.05	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50	4.50			
	.01	8.26	8.5	8.6	8.7	8.8	8.9	8.9	9.0	9.0	9.0	9.1	9.2	9.3	9.3	9.3			
4	.05	3.93	4.01	4.02	4.02	4.02	4.02	4.02	4.02	4.02	4.02	4.02	4.02	4.02	4.02	4.02			
	.01	6.51	6.8	6.9	7.0	7.1	7.1	7.2	7.2	7.3	7.3	7.4	7.4	7.5	7.5	7.5			
5	.05	3.64	3.74	3.79	3.83	3.83	3.83	3.83	3.83	3.83	3.83	3.83	3.83	3.83	3.83	3.83			
	.01	5.70	5.96	6.11	6.18	6.26	6.33	6.40	6.44	6.5	6.6	6.6	6.7	6.7	6.8	6.8			
6	.05	3.46	3.58	3.64	3.68	3.68	3.68	3.68	3.68	3.68	3.68	3.68	3.68	3.68	3.68	3.68			
	.01	5.24	5.51	5.65	5.73	5.81	5.88	5.95	6.00	6.0	6.1	6.2	6.2	6.3	6.3	6.3			
7	.05	3.35	3.47	3.54	3.58	3.60	3.61	3.61	3.61	3.61	3.61	3.61	3.61	3.61	3.61	3.61			
	.01	4.95	5.22	5.37	5.45	5.53	5.61	5.69	5.73	5.8	5.8	5.9	5.9	6.0	6.0	6.0			
8	.05	3.26	3.39	3.47	3.52	3.55	3.56	3.56	3.56	3.56	3.56	3.56	3.56	3.56	3.56	3.56			
	.01	4.74	5.00	5.14	5.23	5.32	5.40	5.47	5.51	5.5	5.6	5.7	5.7	5.8	5.8	5.8			
9	.05	3.20	3.34	3.41	3.47	3.50	3.52	3.52	3.52	3.52	3.52	3.52	3.52	3.52	3.52	3.52			
	.01	4.60	4.86	4.99	5.08	5.17	5.25	5.32	5.36	5.4	5.5	5.5	5.6	5.7	5.7	5.7			
10	.05	3.15	3.30	3.37	3.43	3.46	3.47	3.47	3.47	3.47	3.47	3.47	3.47	3.47	3.47	3.47			
	.01	4.48	4.73	4.88	4.96	5.06	5.13	5.20	5.24	5.28	5.36	5.42	5.48	5.54	5.55	5.55			
11	.05	3.11	3.27	3.35	3.39	3.43	3.44	3.45	3.46	3.46	3.46	3.46	3.46	3.46	3.46	3.46			
	.01	4.39	4.63	4.77	4.86	4.94	5.01	5.06	5.12	5.15	5.24	5.28	5.34	5.38	5.39	5.39			
12	.05	3.08	3.23	3.33	3.36	3.40	3.42	3.44	3.44	3.46	3.46	3.46	3.46	3.46	3.46	3.46			
	.01	4.32	4.55	4.68	4.76	4.84	4.92	4.96	5.02	5.07	5.13	5.17	5.22	5.24	5.26	5.26			
13	.05	3.06	3.21	3.30	3.35	3.38	3.41	3.42	3.44	3.45	3.45	3.46	3.46	3.46	3.46	3.46			
	.01	4.26	4.48	4.62	4.69	4.74	4.84	4.88	4.94	4.98	5.04	5.08	5.13	5.14	5.15	5.15			
14	.05	3.03	3.18	3.27	3.33	3.37	3.39	3.41	3.42	3.44	3.45	3.46	3.46	3.46	3.46	3.46			
	.01	4.21	4.42	4.55	4.63	4.70	4.78	4.83	4.87	4.91	4.96	5.00	5.04	5.06	5.07	5.07			
15	.05	3.01	3.16	3.25	3.31	3.36	3.38	3.40	3.42	3.43	3.44	3.45	3.46	3.46	3.46	3.46			
	.01	4.17	4.37	4.50	4.58	4.64	4.72	4.77	4.81	4.84	4.90	4.94	4.97	4.99	5.00	5.00			

p = number of means for range being tested

Error df	Protection level	p = number of means for range being tested																		
		2	3	4	5	6	7	8	9	10	12	14	16	18	20					
16	.05	3.00	3.15	3.23	3.30	3.34	3.37	3.39	3.41	3.43	3.44	3.45	3.46	3.47	3.47					
	.01	4.13	4.34	4.45	4.54	4.60	4.67	4.72	4.76	4.79	4.84	4.88	4.91	4.93	4.94					
17	.05	2.98	3.13	3.22	3.28	3.33	3.36	3.38	3.40	3.42	3.44	3.45	3.46	3.47	3.47					
	.01	4.10	4.30	4.41	4.50	4.56	4.63	4.68	4.72	4.75	4.80	4.83	4.86	4.88	4.89					
18	.05	2.97	3.12	3.21	3.27	3.32	3.35	3.37	3.39	3.41	3.43	3.45	3.46	3.47	3.47					
	.01	4.07	4.27	4.38	4.46	4.53	4.59	4.64	4.68	4.71	4.76	4.79	4.82	4.84	4.85					
19	.05	2.96	3.11	3.19	3.26	3.31	3.35	3.37	3.39	3.41	3.43	3.44	3.46	3.47	3.47					
	.01	4.05	4.24	4.35	4.43	4.50	4.56	4.61	4.64	4.67	4.72	4.76	4.79	4.81	4.82					
20	.05	2.95	3.10	3.18	3.25	3.30	3.34	3.36	3.38	3.40	3.43	3.44	3.46	3.47	3.47					
	.01	4.02	4.22	4.33	4.40	4.47	4.53	4.58	4.61	4.65	4.69	4.73	4.76	4.78	4.79					
22	.05	2.93	3.08	3.17	3.24	3.29	3.32	3.35	3.37	3.39	3.42	3.44	3.45	3.46	3.47					
	.01	3.99	4.17	4.28	4.36	4.42	4.48	4.53	4.57	4.60	4.65	4.68	4.71	4.74	4.75					
24	.05	2.92	3.07	3.15	3.22	3.28	3.31	3.34	3.37	3.38	3.41	3.44	3.45	3.46	3.47					
	.01	3.96	4.14	4.24	4.33	4.39	4.44	4.49	4.53	4.57	4.62	4.64	4.67	4.70	4.72					
26	.05	2.91	3.06	3.14	3.21	3.27	3.30	3.34	3.36	3.38	3.41	3.43	3.45	3.46	3.47					
	.01	3.93	4.11	4.21	4.30	4.36	4.41	4.46	4.50	4.53	4.58	4.62	4.65	4.67	4.69					
28	.05	2.90	3.04	3.13	3.20	3.26	3.30	3.33	3.35	3.37	3.40	3.43	3.45	3.46	3.47					
	.01	3.91	4.08	4.18	4.28	4.34	4.39	4.43	4.47	4.51	4.56	4.60	4.62	4.65	4.67					
30	.05	2.89	3.04	3.12	3.20	3.25	3.29	3.32	3.35	3.37	3.40	3.43	3.44	3.46	3.47					
	.01	3.89	4.06	4.16	4.22	4.32	4.36	4.41	4.45	4.48	4.54	4.58	4.61	4.63	4.65					
40	.05	2.86	3.01	3.10	3.17	3.22	3.27	3.30	3.33	3.35	3.39	3.42	3.44	3.46	3.47					
	.01	3.82	3.99	4.10	4.17	4.24	4.30	4.34	4.37	4.41	4.46	4.51	4.54	4.57	4.59					
60	.05	2.83	2.98	3.08	3.14	3.20	3.24	3.28	3.31	3.33	3.37	3.40	3.43	3.45	3.47					
	.01	3.76	3.92	4.03	4.12	4.17	4.23	4.27	4.31	4.34	4.39	4.44	4.47	4.50	4.53					
100	.05	2.80	2.95	3.05	3.12	3.18	3.22	3.26	3.29	3.32	3.36	3.40	3.42	3.45	3.47					
	.01	3.71	3.86	3.98	4.06	4.11	4.17	4.21	4.25	4.29	4.35	4.38	4.42	4.45	4.48					
∞	.05	2.77	2.92	3.02	3.09	3.15	3.19	3.23	3.26	3.29	3.34	3.38	3.41	3.44	3.47					
	.01	3.64	3.80	3.90	3.98	4.04	4.09	4.14	4.17	4.20	4.26	4.31	4.34	4.38	4.41					