
Tables
for
Product Testing Methods

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TABLES BY SUBJECT	<i>page</i>
● Table 1: Number of Correct Judgments: Duo-Trio and Directional 2-AFC Methods	114
● Table 2: Number of Correct Judgments: Triangular, 3-AFC, and Unspecified Tetrad Methods	115
● Table 3: Number of Correct Judgments: Preference and Non-Directional 2-AFC Methods	116
● Table 4: Delta for 2-AFC Method	117
● Table 5: Delta for Duo-Trio Method	118
● Table 6: Delta for 3-AFC Method	119
● Table 7: Delta for Triangular Method	120
● Table 8: Delta for Unspecified Method of Tetrads	121
● Table 9: Delta for Specified Method of Tetrads	122
● Table 10: Delta for Dual Pair Method	123
● Table 11: Variance of d' for the 2-AFC Method	124
● Table 12: Variance of d' for the Duo-Trio Method	125
● Table 13: Variance of d' for the 3-AFC Method	126
● Table 14: Variance of d' for the Triangular Method	127
● Table 15: Variance of d' for Unspecified Method of Tetrads	128
● Table 16: Variance of d' for the Dual Pair Method	129
● Table 17: Sample sizes for 2-AFC, Duo-Trio, Tetrad, and Triangle Methods	130, 131
● Table 18: Equivalence Table, 95% Confidence	132
● Table 19: Equivalence Table, 99% Confidence	133
● Table 20: Unsurpassed Table, 95% Confidence	134
● Table 21: Unsurpassed Table, 99% Confidence	135
● Table 22: Count-Based Proportional Comparisons, 95% Confidence	136
● Table 23: Count-Based Proportional Comparisons, 99% Confidence	137
● Table 24: Count-Based Ratio Comparisons, 95% Confidence	138
● Table 25: Count-Based Ratio Comparisons, 99% Confidence	139
● Table 26: Tail Areas of Normal	140
● Table 27: Tau Values for Same-Different Method	141

TABLE 1

Table 1. Duo-Trio and Directional 2-AFC Methods:
Minimum Number of Correct Judgments for Significance at $\alpha = 0.05$.

<i>n</i>	0	1	2	3	4	5	6	7	8	9
10	9	9	10	10	11	12	12	13	13	14
20	15	15	16	16	17	18	18	19	19	20
30	20	21	22	22	23	23	24	24	25	26
40	26	27	27	28	28	29	30	30	31	31
50	32	32	33	33	34	35	35	36	36	37
60	37	38	38	39	40	40	41	41	42	42
70	43	43	44	45	45	46	46	47	47	48
80	48	49	49	50	51	51	52	52	53	53
90	54	54	55	55	56	57	57	58	58	59
100	59	60	60	61	61	62	62	63	64	64
110	65	65	66	66	67	67	68	68	69	69
120	70	71	71	72	72	73	73	74	74	75
130	75	76	76	77	78	78	79	79	80	80
140	81	81	82	82	83	83	84	84	85	86
150	86	87	87	88	88	89	89	90	90	91
160	91	92	92	93	94	94	95	95	96	96
170	97	97	98	98	99	99	100	100	101	101
180	102	103	103	104	104	105	105	106	106	107
190	107	108	108	109	109	110	111	111	112	112
200	113	113	114	114	115	115	116	116	117	117
210	118	118	119	119	120	121	121	122	122	123
220	123	124	124	125	125	126	126	127	127	128
230	128	129	130	130	131	131	132	132	133	133
240	134	134	135	135	136	136	137	137	138	138
250	139	140	140	141	141	142	142	143	143	144
260	144	145	145	146	146	147	147	148	148	149
270	150	150	151	151	152	152	153	153	154	154
280	155	155	156	156	157	157	158	158	159	159
290	160	161	161	162	162	163	163	164	164	165
300	165	166	166	167	167	168	168	169	169	170
310	170	171	172	172	173	173	174	174	175	175
320	176	176	177	177	178	178	179	179	180	180
330	181	181	182	183	183	184	184	185	185	186
340	186	187	187	188	188	189	189	190	190	191
350	191	192	192	193	193	194	195	195	196	196
360	197	197	198	198	199	199	200	200	201	201
370	202	202	203	203	204	204	205	205	206	207
380	207	208	208	209	209	210	210	211	211	212
390	212	213	213	214	214	215	215	216	216	217
400	217	218	218	219	220	220	221	221	222	222
410	223	223	224	224	225	225	226	226	227	227
420	228	228	229	229	230	230	231	231	232	233
430	233	234	234	235	235	236	236	237	237	238
440	238	239	239	240	240	241	241	242	242	243
450	243	244	244	245	246	246	247	247	248	248
460	249	249	250	250	251	251	252	252	253	253
470	254	254	255	255	256	256	257	257	258	258
480	259	260	260	261	261	262	262	263	263	264
490	264	265	265	266	266	267	267	268	268	269
500	269	270	270	271	271	272	272	273	274	274
510	275	275	276	276	277	277	278	278	279	279
520	280	280	281	281	282	282	283	283	284	284
530	285	285	286	286	287	288	288	289	289	290

TABLE 2

Table 2. Triangular, 3-AFC, and Unspecified Tetrad Methods:
Minimum Number of Correct Judgments for Significance at $\alpha = 0.05$.

<i>n</i>	0	1	2	3	4	5	6	7	8	9
10	7	7	8	8	9	9	9	10	10	11
20	11	12	12	12	13	13	14	14	15	15
30	15	16	16	17	17	17	18	18	19	19
40	19	20	20	20	21	21	22	22	22	23
50	23	24	24	24	25	25	26	26	26	27
60	27	27	28	28	29	29	29	30	30	31
70	31	31	32	32	32	33	33	34	34	34
80	35	35	35	36	36	37	37	37	38	38
90	38	39	39	40	40	40	41	41	41	42
100	42	43	43	43	44	44	44	45	45	46
110	46	46	47	47	47	48	48	48	49	49
120	50	50	50	51	51	51	52	52	53	53
130	53	54	54	54	55	55	55	56	56	57
140	57	57	58	58	58	59	59	59	60	60
150	61	61	61	62	62	62	63	63	63	64
160	64	65	65	65	66	66	66	67	67	67
170	68	68	69	69	69	70	70	70	71	71
180	71	72	72	73	73	73	74	74	74	75
190	75	75	76	76	77	77	77	78	78	78
200	79	79	79	80	80	81	81	81	82	82
210	82	83	83	83	84	84	84	85	85	86
220	86	86	87	87	87	88	88	88	89	89
230	90	90	90	91	91	91	92	92	92	93
240	93	93	94	94	95	95	95	96	96	96
250	97	97	97	98	98	98	99	99	100	100
260	100	101	101	101	102	102	102	103	103	103
270	104	104	105	105	105	106	106	106	107	107
280	107	108	108	108	109	109	110	110	110	111
290	111	111	112	112	112	113	113	113	114	114
300	115	115	115	116	116	116	117	117	117	118
310	118	118	119	119	119	120	120	121	121	121
320	122	122	122	123	123	123	124	124	124	125
330	125	126	126	126	127	127	127	128	128	128
340	129	129	129	130	130	130	131	131	132	132
350	132	133	133	133	134	134	134	135	135	135
360	136	136	137	137	137	138	138	138	139	139
370	139	140	140	140	141	141	141	142	142	143
380	143	143	144	144	144	145	145	145	146	146
390	146	147	147	147	148	148	149	149	149	150
400	150	150	151	151	151	152	152	152	153	153
410	153	154	154	155	155	155	156	156	156	157
420	157	157	158	158	158	159	159	159	160	160
430	161	161	161	162	162	162	163	163	163	164
440	164	164	165	165	165	166	166	166	167	167
450	168	168	168	169	169	169	170	170	170	171
460	171	171	172	172	172	173	173	174	174	174
470	175	175	175	176	176	176	177	177	177	178
480	178	178	179	179	179	180	180	181	181	181
490	182	182	182	183	183	183	184	184	184	185
500	185	185	186	186	186	187	187	188	188	188
510	189	189	189	190	190	190	191	191	191	192
520	192	192	193	193	194	194	194	195	195	195
530	196	196	196	197	197	197	198	198	198	199

TABLE 3

Table 3. Preference and Non-Directional 2-AFC Methods:
Minimum Number of Correct Judgments for Significance at $\alpha = 0.05$.

<i>n</i>	0	1	2	3	4	5	6	7	8	9
10	9	10	10	11	12	12	13	13	14	15
20	15	16	17	17	18	18	19	20	20	21
30	21	22	23	23	24	24	25	25	26	27
40	27	28	28	29	29	30	31	31	32	32
50	33	33	34	35	35	36	36	37	37	38
60	39	39	40	40	41	41	42	42	43	44
70	44	45	45	46	46	47	48	48	49	49
80	50	50	51	51	52	53	53	54	54	55
90	55	56	56	57	57	58	59	59	60	60
100	61	61	62	62	63	64	64	65	65	66
110	66	67	67	68	68	69	70	70	71	71
120	72	72	73	73	74	74	75	76	76	77
130	77	78	78	79	79	80	80	81	81	82
140	83	83	84	84	85	85	86	86	87	87
150	88	89	89	90	90	91	91	92	92	93
160	93	94	94	95	96	96	97	97	98	98
170	99	99	100	100	101	101	102	103	103	104
180	104	105	105	106	106	107	107	108	108	109
190	109	110	111	111	112	112	113	113	114	114
200	115	115	116	116	117	118	118	119	119	120
210	120	121	121	122	122	123	123	124	124	125
220	126	126	127	127	128	128	129	129	130	130
230	131	131	132	132	133	134	134	135	135	136
240	136	137	137	138	138	139	139	140	140	141
250	141	142	143	143	144	144	145	145	146	146
260	147	147	148	148	149	149	150	150	151	152
270	152	153	153	154	154	155	155	156	156	157
280	157	158	158	159	160	160	161	161	162	162
290	163	163	164	164	165	165	166	166	167	167
300	168	168	169	170	170	171	171	172	172	173
310	173	174	174	175	175	176	176	177	177	178
320	179	179	180	180	181	181	182	182	183	183
330	184	184	185	185	186	186	187	187	188	189
340	189	190	190	191	191	192	192	193	193	194
350	194	195	195	196	196	197	197	198	199	199
360	200	200	201	201	202	202	203	203	204	204
370	205	205	206	206	207	207	208	209	209	210
380	210	211	211	212	212	213	213	214	214	215
390	215	216	216	217	217	218	218	219	220	220
400	221	221	222	222	223	223	224	224	225	225
410	226	226	227	227	228	228	229	230	230	231
420	231	232	232	233	233	234	234	235	235	236
430	236	237	237	238	238	239	239	240	240	241
440	242	242	243	243	244	244	245	245	246	246
450	247	247	248	248	249	249	250	250	251	251
460	252	253	253	254	254	255	255	256	256	257
470	257	258	258	259	259	260	260	261	261	262
480	262	263	264	264	265	265	266	266	267	267
490	268	268	269	269	270	270	271	271	272	272
500	273	273	274	274	275	276	276	277	277	278
510	278	279	279	280	280	281	281	282	282	283
520	283	284	284	285	285	286	286	287	288	288
530	289	289	290	290	291	291	292	292	293	293

TABLE 4

Table 4. **2-AFC Method:** Probability of a Correct Response ($\times 10^4$) as a Function of δ

δ	0.00	0.01	0.02	0.03	0.04	0.05	0.06	0.07	0.08	0.09
0.0	5000	5028	5056	5085	5113	5141	5169	5197	5226	5254
0.1	5282	5310	5338	5366	5394	5422	5450	5478	5506	5534
0.2	5562	5590	5618	5646	5674	5702	5729	5757	5785	5812
0.3	5840	5868	5895	5923	5950	5977	6005	6032	6059	6086
0.4	6114	6141	6168	6195	6221	6248	6275	6302	6329	6355
0.5	6382	6408	6434	6461	6487	6513	6539	6565	6591	6617
0.6	6643	6669	6695	6720	6746	6771	6796	6822	6847	6872
0.7	6897	6922	6947	6971	6996	7021	7045	7069	7094	7118
0.8	7142	7166	7190	7214	7237	7261	7284	7308	7331	7354
0.9	7377	7400	7423	7446	7469	7491	7514	7536	7558	7580
1.0	7602	7624	7646	7668	7689	7711	7732	7754	7775	7796
1.1	7817	7837	7858	7879	7899	7919	7940	7960	7980	8000
1.2	8019	8039	8058	8078	8097	8116	8135	8154	8173	8192
1.3	8210	8229	8247	8265	8283	8301	8319	8337	8354	8372
1.4	8389	8406	8423	8440	8457	8474	8491	8507	8523	8540
1.5	8556	8572	8588	8603	8619	8635	8650	8665	8681	8696
1.6	8711	8725	8740	8755	8769	8783	8798	8812	8826	8840
1.7	8853	8867	8881	8894	8907	8920	8933	8946	8959	8972
1.8	8985	8997	9009	9022	9034	9046	9058	9070	9081	9093
1.9	9104	9116	9127	9138	9149	9160	9171	9182	9193	9203
2.0	9214	9224	9234	9244	9254	9264	9274	9284	9293	9303
2.1	9312	9321	9331	9340	9349	9358	9367	9375	9384	9393
2.2	9401	9409	9418	9426	9434	9442	9450	9458	9465	9473
2.3	9481	9488	9495	9503	9510	9517	9524	9531	9538	9545
2.4	9552	9558	9565	9571	9578	9584	9590	9596	9603	9609
2.5	9615	9620	9626	9632	9638	9643	9649	9654	9659	9665
2.6	9670	9675	9680	9685	9690	9695	9700	9705	9710	9714
2.7	9719	9723	9728	9732	9737	9741	9745	9749	9753	9757
2.8	9761	9765	9769	9773	9777	9781	9784	9788	9791	9795
2.9	9798	9802	9805	9809	9812	9815	9818	9821	9824	9828
3.0	9831	9833	9836	9839	9842	9845	9848	9850	9853	9856
3.1	9858	9861	9863	9866	9868	9870	9873	9875	9877	9880
3.2	9882	9884	9886	9888	9890	9892	9894	9896	9898	9900
3.3	9902	9904	9906	9907	9909	9911	9912	9914	9916	9917
3.4	9919	9921	9922	9924	9925	9926	9928	9929	9931	9932
3.5	9933	9935	9936	9937	9938	9940	9941	9942	9943	9944
3.6	9945	9947	9948	9949	9950	9951	9952	9953	9954	9955
3.7	9956	9956	9957	9958	9959	9960	9961	9962	9962	9963
3.8	9964	9965	9965	9966	9967	9968	9968	9969	9970	9970
3.9	9971	9972	9972	9973	9973	9974	9974	9975	9976	9976
4.0	9977	9977	9978	9978	9979	9979	9980	9980	9980	9981
4.1	9981	9982	9982	9983	9983	9983	9984	9984	9984	9985
4.2	9985	9985	9986	9986	9986	9987	9987	9987	9988	9988
4.3	9988	9988	9989	9989	9989	9990	9990	9990	9990	9990
4.4	9991	9991	9991	9991	9992	9992	9992	9992	9992	9993
4.5	9993	9993	9993	9993	9993	9994	9994	9994	9994	9994
4.6	9994	9994	9995	9995	9995	9995	9995	9995	9995	9995
4.7	9996	9996	9996	9996	9996	9996	9996	9996	9996	9996
4.8	9997	9997	9997	9997	9997	9997	9997	9997	9997	9997
4.9	9997	9997	9997	9998	9998	9998	9998	9998	9998	9998
5.0	9998	9998	9998	9998	9998	9998	9998	9998	9998	9998
5.1	9998	9998	9999	9999	9999	9999	9999	9999	9999	9999

TABLE 5

Table 5. **Duo-Trio Method:** Probability of a Correct Response ($\times 10^4$) as a Function of δ

δ	0.00	0.01	0.02	0.03	0.04	0.05	0.06	0.07	0.08	0.09
0.0	5000	5000	5000	5001	5001	5002	5003	5005	5006	5007
0.1	5009	5011	5013	5015	5018	5021	5023	5026	5030	5033
0.2	5037	5040	5044	5048	5053	5057	5062	5066	5071	5077
0.3	5082	5087	5093	5099	5105	5111	5117	5124	5131	5137
0.4	5144	5152	5159	5166	5174	5182	5190	5198	5206	5215
0.5	5223	5232	5241	5250	5259	5269	5278	5288	5298	5308
0.6	5318	5328	5339	5349	5360	5371	5382	5393	5404	5415
0.7	5427	5438	5450	5462	5474	5486	5498	5511	5523	5536
0.8	5548	5561	5574	5587	5600	5614	5627	5641	5654	5668
0.9	5682	5695	5709	5724	5738	5752	5766	5781	5795	5810
1.0	5825	5840	5854	5869	5884	5900	5915	5930	5945	5961
1.1	5976	5992	6007	6023	6039	6055	6071	6087	6102	6119
1.2	6135	6151	6167	6183	6200	6216	6232	6249	6265	6282
1.3	6298	6315	6331	6348	6365	6381	6398	6415	6432	6448
1.4	6465	6482	6499	6516	6533	6550	6567	6584	6601	6618
1.5	6635	6652	6669	6686	6703	6720	6737	6754	6771	6788
1.6	6805	6822	6839	6856	6873	6890	6907	6923	6940	6957
1.7	6974	6991	7008	7025	7042	7058	7075	7092	7109	7125
1.8	7142	7159	7175	7192	7208	7225	7241	7258	7274	7291
1.9	7307	7323	7340	7356	7372	7388	7404	7420	7436	7452
2.0	7468	7484	7500	7516	7531	7547	7563	7578	7594	7610
2.1	7625	7640	7656	7671	7686	7701	7717	7732	7747	7762
2.2	7777	7791	7806	7821	7836	7850	7865	7879	7894	7908
2.3	7923	7937	7951	7965	7979	7993	8007	8021	8035	8049
2.4	8062	8076	8090	8103	8117	8130	8143	8156	8170	8183
2.5	8196	8209	8222	8235	8247	8260	8273	8285	8298	8310
2.6	8323	8335	8347	8360	8372	8384	8396	8408	8420	8431
2.7	8443	8455	8466	8478	8489	8501	8512	8523	8535	8546
2.8	8557	8568	8579	8590	8600	8611	8622	8632	8643	8653
2.9	8664	8674	8685	8695	8705	8715	8725	8735	8745	8755
3.0	8765	8774	8784	8794	8803	8813	8822	8831	8841	8850
3.1	8859	8868	8877	8886	8895	8904	8913	8921	8930	8939
3.2	8947	8956	8964	8973	8981	8989	8997	9006	9014	9022
3.3	9030	9038	9046	9053	9061	9069	9077	9084	9092	9099
3.4	9107	9114	9121	9129	9136	9143	9150	9157	9164	9171
3.5	9178	9185	9192	9199	9206	9212	9219	9225	9232	9239
3.6	9245	9251	9258	9264	9270	9276	9283	9289	9295	9301
3.7	9307	9313	9319	9324	9330	9336	9342	9347	9353	9359
3.8	9364	9370	9375	9381	9386	9391	9397	9402	9407	9412
3.9	9417	9423	9428	9433	9438	9443	9447	9452	9457	9462
4.0	9467	9471	9476	9481	9485	9490	9494	9499	9503	9508
4.3	9512	9517	9521	9525	9529	9534	9538	9542	9546	9550
4.2	9554	9558	9562	9566	9570	9574	9578	9582	9586	9589
4.3	9593	9597	9601	9604	9608	9612	9615	9619	9622	9626
4.4	9629	9633	9636	9639	9643	9646	9649	9653	9656	9659
4.5	9662	9665	9669	9672	9675	9678	9681	9684	9687	9690
4.6	9693	9696	9698	9701	9704	9707	9710	9713	9715	9718
4.7	9721	9723	9726	9729	9731	9734	9736	9739	9742	9744
4.8	9747	9749	9751	9754	9756	9759	9761	9763	9766	9768
4.9	9770	9772	9775	9777	9779	9781	9783	9786	9788	9790
5.0	9792	9794	9796	9798	9800	9802	9804	9806	9808	9810
5.1	9812	9814	9816	9817	9819	9821	9823	9825	9827	9828
5.2	9830	9832	9833	9835	9837	9839	9840	9842	9843	9845
5.3	9847	9848	9850	9851	9853	9854	9856	9857	9859	9860
5.4	9862	9863	9865	9866	9868	9869	9870	9872	9873	9874
5.5	9876	9877	9878	9880	9881	9882	9884	9885	9886	9887
5.6	9888	9890	9891	9892	9893	9894	9895	9897	9898	9899
5.7	9900	9901	9902	9903	9904	9905	9906	9907	9908	9909
5.8	9910	9911	9912	9913	9914	9915	9916	9917	9918	9919
5.9	9920	9921	9922	9922	9923	9924	9925	9926	9927	9928
6.0	9928	9929	9930	9931	9932	9932	9933	9934	9935	9935

TABLE 6Table 6. **3-AFC Method: Probability of a Correct Response ($\times 10^4$) as a Function of δ**

δ	0.00	0.01	0.02	0.03	0.04	0.05	0.06	0.07	0.08	0.09
0.0	3333	3362	3390	3418	3447	3475	3504	3533	3562	3591
0.1	3620	3649	3678	3707	3737	3766	3795	3825	3855	3884
0.2	3914	3944	3974	4003	4033	4063	4093	4124	4154	4184
0.3	4214	4244	4275	4305	4336	4366	4396	4427	4458	4488
0.4	4519	4549	4580	4611	4641	4672	4703	4734	4764	4795
0.5	4826	4857	4888	4918	4949	4980	5011	5042	5072	5103
0.6	5134	5165	5195	5226	5257	5288	5318	5349	5380	5410
0.7	5441	5471	5502	5532	5563	5593	5624	5654	5684	5714
0.8	5745	5775	5805	5835	5865	5895	5925	5955	5985	6014
0.9	6044	6074	6103	6133	6162	6191	6221	6250	6279	6308
1.0	6337	6366	6395	6423	6452	6481	6509	6538	6566	6594
1.1	6622	6650	6678	6706	6734	6761	6789	6816	6844	6871
1.2	6898	6925	6952	6979	7005	7032	7059	7085	7111	7137
1.3	7163	7189	7215	7241	7266	7292	7317	7342	7367	7392
1.4	7417	7442	7466	7491	7515	7539	7563	7587	7611	7635
1.5	7658	7682	7705	7728	7751	7774	7796	7819	7842	7864
1.6	7886	7908	7930	7952	7973	7995	8016	8037	8058	8079
1.7	8100	8121	8141	8162	8182	8202	8222	8242	8261	8281
1.8	8300	8319	8339	8357	8376	8395	8413	8432	8450	8468
1.9	8486	8504	8522	8539	8556	8574	8591	8608	8624	8641
2.0	8658	8674	8690	8706	8722	8738	8754	8769	8785	8800
2.1	8815	8830	8845	8860	8874	8889	8903	8917	8931	8945
2.2	8959	8973	8986	9000	9013	9026	9039	9052	9065	9077
2.3	9090	9102	9114	9127	9138	9150	9162	9174	9185	9197
2.4	9208	9219	9230	9241	9252	9262	9273	9283	9293	9304
2.5	9314	9324	9333	9343	9353	9362	9372	9381	9390	9399
2.6	9408	9417	9426	9434	9443	9451	9460	9468	9476	9484
2.7	9492	9500	9508	9515	9523	9530	9538	9545	9552	9559
2.8	9566	9573	9580	9587	9593	9600	9606	9613	9619	9625
2.9	9631	9637	9643	9649	9655	9661	9666	9672	9677	9683
3.0	9688	9693	9698	9703	9709	9713	9718	9723	9728	9733
3.1	9737	9742	9746	9751	9755	9759	9764	9768	9772	9776
3.2	9780	9784	9788	9791	9795	9799	9802	9806	9809	9813
3.3	9816	9820	9823	9826	9829	9833	9836	9839	9842	9845
3.4	9848	9850	9853	9856	9859	9861	9864	9867	9869	9872
3.5	9874	9877	9879	9881	9884	9886	9888	9890	9892	9894
3.6	9897	9899	9901	9903	9904	9906	9908	9910	9912	9914
3.7	9915	9917	9919	9920	9922	9924	9925	9927	9928	9930
3.8	9931	9932	9934	9935	9937	9938	9939	9940	9942	9943
3.9	9944	9945	9946	9948	9949	9950	9951	9952	9953	9954
4.0	9955	9956	9957	9958	9959	9960	9961	9961	9962	9963
4.1	9964	9965	9965	9966	9967	9968	9968	9969	9970	9970
4.2	9971	9972	9972	9973	9974	9974	9975	9975	9976	9977
4.3	9977	9978	9978	9979	9979	9980	9980	9981	9981	9981
4.4	9982	9982	9983	9983	9984	9984	9984	9985	9985	9985
4.5	9986	9986	9986	9987	9987	9987	9988	9988	9988	9989
4.6	9989	9989	9989	9990	9990	9990	9990	9991	9991	9991
4.7	9991	9992	9992	9992	9992	9992	9993	9993	9993	9993
4.8	9993	9993	9994	9994	9994	9994	9994	9994	9995	9995
4.9	9995	9995	9995	9995	9995	9995	9996	9996	9996	9996
5.0	9996	9996	9996	9996	9996	9996	9997	9997	9997	9997
5.1	9997	9997	9997	9997	9997	9997	9997	9997	9998	9998
5.2	9998	9998	9998	9998	9998	9998	9998	9998	9998	9998
5.3	9998	9998	9998	9998	9998	9998	9999	9999	9999	9999

TABLE 7

Table 7. **Triangular Method:** Probability of a Correct Response ($\times 10^4$) as a Function of δ

δ	0.00	0.01	0.02	0.03	0.04	0.05	0.06	0.07	0.08	0.09
0.0	3333	3333	3334	3334	3335	3336	3337	3338	3339	3341
0.1	3343	3344	3347	3349	3351	3354	3357	3360	3363	3366
0.2	3370	3374	3378	3382	3386	3390	3395	3400	3405	3410
0.3	3415	3421	3427	3432	3439	3445	3451	3458	3464	3471
0.4	3478	3486	3493	3501	3508	3516	3524	3533	3541	3550
0.5	3558	3567	3576	3586	3595	3604	3614	3624	3634	3644
0.6	3654	3665	3676	3686	3697	3708	3719	3731	3742	3754
0.7	3766	3778	3790	3802	3814	3827	3839	3852	3865	3878
0.8	3891	3905	3918	3932	3945	3959	3973	3987	4001	4016
0.9	4030	4045	4059	4074	4089	4104	4119	4134	4149	4165
1.0	4180	4196	4212	4228	4244	4260	4276	4292	4309	4325
1.1	4342	4358	4375	4392	4409	4426	4443	4460	4477	4494
1.2	4512	4529	4547	4564	4582	4600	4618	4636	4654	4672
1.3	4690	4708	4726	4745	4763	4782	4800	4819	4837	4856
1.4	4875	4893	4912	4931	4950	4969	4988	5007	5026	5045
1.5	5065	5084	5103	5122	5142	5161	5180	5200	5219	5239
1.6	5258	5278	5297	5317	5337	5356	5376	5396	5415	5435
1.7	5455	5474	5494	5514	5534	5554	5573	5593	5613	5633
1.8	5653	5672	5692	5712	5732	5752	5771	5791	5811	5831
1.9	5851	5870	5890	5910	5930	5950	5969	5989	6009	6028
2.0	6048	6068	6087	6107	6127	6146	6166	6185	6205	6224
2.1	6244	6263	6283	6302	6321	6341	6360	6379	6398	6418
2.2	6437	6456	6475	6494	6513	6532	6551	6570	6589	6608
2.3	6627	6645	6664	6683	6701	6720	6739	6757	6776	6794
2.4	6812	6831	6849	6867	6885	6903	6922	6940	6958	6976
2.5	6993	7011	7029	7047	7064	7082	7100	7117	7135	7152
2.6	7169	7187	7204	7221	7238	7255	7272	7289	7306	7323
2.7	7340	7356	7373	7390	7406	7423	7439	7455	7472	7488
2.8	7504	7520	7536	7552	7568	7584	7600	7616	7631	7647
2.9	7662	7678	7693	7709	7724	7739	7754	7769	7784	7799
3.0	7814	7829	7844	7859	7873	7888	7902	7917	7931	7945
3.1	7960	7974	7988	8002	8016	8030	8044	8057	8071	8085
3.2	8098	8112	8125	8139	8152	8165	8179	8192	8205	8218
3.3	8231	8243	8256	8269	8282	8294	8307	8319	8332	8344
3.4	8356	8368	8381	8393	8405	8417	8428	8440	8452	8464
3.5	8475	8487	8498	8510	8521	8532	8544	8555	8566	8577
3.6	8588	8599	8610	8620	8631	8642	8652	8663	8673	8684
3.7	8694	8704	8715	8725	8735	8745	8755	8765	8775	8784
3.8	8794	8804	8813	8823	8833	8842	8851	8861	8870	8879
3.9	8888	8897	8906	8915	8924	8933	8942	8951	8959	8968
4.0	8977	8985	8994	9002	9010	9019	9027	9035	9043	9051
4.1	9059	9067	9075	9083	9091	9099	9106	9114	9122	9129
4.2	9137	9144	9151	9159	9166	9173	9180	9188	9195	9202
4.3	9209	9216	9223	9229	9236	9243	9250	9256	9263	9269
4.4	9276	9282	9289	9295	9301	9308	9314	9320	9326	9332
4.5	9338	9344	9350	9356	9362	9368	9374	9379	9385	9391
4.6	9396	9402	9407	9413	9418	9424	9429	9434	9440	9445
4.7	9450	9455	9460	9465	9470	9475	9480	9485	9490	9495
4.8	9500	9504	9509	9514	9518	9523	9528	9532	9537	9541
4.9	9546	9550	9554	9559	9563	9567	9571	9575	9580	9584
5.0	9588	9592	9596	9600	9604	9608	9612	9615	9619	9623
5.1	9627	9630	9634	9638	9641	9645	9648	9652	9655	9659
5.2	9662	9666	9669	9673	9676	9679	9682	9686	9689	9692
5.3	9695	9698	9701	9704	9707	9710	9713	9716	9719	9722
5.4	9725	9728	9731	9734	9736	9739	9742	9745	9747	9750
5.5	9753	9755	9758	9760	9763	9765	9768	9770	9773	9775
5.6	9778	9780	9782	9785	9787	9789	9792	9794	9796	9798
5.7	9800	9803	9805	9807	9809	9811	9813	9815	9817	9819
5.8	9821	9823	9825	9827	9829	9831	9833	9834	9836	9838
5.9	9840	9842	9843	9845	9847	9849	9850	9852	9854	9855
6.0	9857	9859	9860	9862	9863	9865	9866	9868	9869	9871

TABLE 8

Table 8. Unspecified Method of Tetrads: Probability of a Correct Response ($\times 10^4$) as a Function of δ

δ	0.00	0.01	0.02	0.03	0.04	0.05	0.06	0.07	0.08	0.09
0.0	3333	3334	3334	3335	3336	3338	3340	3342	3345	3348
0.1	3352	3356	3360	3364	3369	3375	3380	3386	3393	3399
0.2	3406	3414	3422	3430	3438	3447	3456	3466	3476	3486
0.3	3497	3508	3519	3530	3542	3555	3567	3580	3593	3607
0.4	3621	3635	3650	3665	3680	3695	3711	3727	3743	3760
0.5	3777	3794	3812	3830	3848	3867	3885	3904	3924	3943
0.6	3963	3983	4003	4024	4045	4066	4087	4109	4131	4153
0.7	4175	4198	4221	4244	4267	4290	4314	4338	4362	4386
0.8	4411	4436	4461	4486	4511	4536	4562	4588	4614	4640
0.9	4666	4693	4720	4746	4773	4800	4828	4855	4883	4910
1.0	4938	4966	4994	5025	5050	5079	5107	5136	5165	5193
1.1	5222	5251	5280	5309	5338	5368	5397	5426	5456	5485
1.2	5515	5545	5574	5604	5634	5663	5693	5723	5753	5783
1.3	5813	5843	5872	5902	5932	5962	5992	6022	6052	6082
1.4	6112	6142	6172	6201	6231	6261	6291	6320	6350	6380
1.5	6409	6439	6468	6498	6527	6556	6586	6615	6644	6673
1.6	6702	6731	6760	6789	6817	6846	6874	6903	6931	6959
1.7	6987	7015	7043	7071	7099	7126	7154	7181	7209	7236
1.8	7263	7290	7316	7343	7370	7396	7422	7449	7475	7501
1.9	7526	7552	7578	7603	7628	7653	7678	7703	7728	7752
2.0	7777	7801	7825	7849	7873	7896	7920	7943	7966	7989
2.1	8012	8035	8058	8080	8102	8124	8146	8168	8190	8211
2.2	8233	8254	8275	8296	8316	8337	8357	8377	8397	8417
2.3	8437	8456	8476	8495	8514	8533	8552	8570	8588	8607
2.4	8625	8643	8660	8678	8695	8713	8730	8757	8764	8780
2.5	8797	8813	8829	8845	8861	8877	8892	8907	8923	8938
2.6	8953	8967	8982	8996	9011	9025	9039	9053	9066	9080
2.7	9093	9106	9119	9132	9145	9158	9170	9183	9195	9207
2.8	9219	9231	9242	9254	9265	9277	9288	9299	9310	9320
2.9	9331	9341	9352	9362	9372	9382	9392	9401	9411	9420
3.0	9430	9439	9448	9457	9466	9475	9483	9492	9500	9508
3.1	9517	9525	9533	9540	9548	9556	9563	9571	9578	9585
3.2	9592	9599	9606	9613	9620	9626	9633	9639	9646	9652
3.3	9658	9664	9670	9676	9682	9687	9693	9698	9704	9709
3.4	9715	9720	9725	9730	9735	9740	9744	9749	9754	9758
3.5	9763	9767	9772	9776	9780	9784	9789	9793	9796	9800
3.6	9804	9808	9812	9815	9819	9822	9826	9829	9833	9836
3.7	9839	9842	9845	9848	9851	9854	9857	9860	9863	9866
3.8	9868	9871	9874	9876	9879	9881	9884	9886	9888	9891
3.9	9893	9895	9897	9900	9902	9904	9906	9908	9910	9912
4.0	9913	9915	9917	9919	9921	9922	9924	9926	9927	9929
4.1	9930	9932	9933	9935	9936	9938	9939	9940	9942	9943
4.2	9944	9945	9947	9948	9949	9950	9951	9952	9953	9954
4.3	9955	9956	9957	9958	9959	9960	9961	9962	9963	9964
4.4	9965	9966	9966	9967	9968	9969	9969	9970	9971	9971
4.5	9972	9973	9973	9974	9975	9975	9976	9976	9977	9978
4.6	9978	9979	9979	9980	9980	9981	9981	9982	9982	9982
4.7	9983	9983	9984	9984	9985	9985	9985	9986	9986	9986
4.8	9987	9987	9987	9988	9988	9988	9989	9989	9989	9989
4.9	9990	9990	9990	9990	9991	9991	9991	9991	9992	9992
5.0	9992	9992	9992	9993	9993	9993	9993	9993	9993	9994
5.1	9994	9994	9994	9994	9994	9995	9995	9995	9995	9995
5.2	9995	9995	9995	9995	9996	9996	9996	9996	9996	9996
5.3	9996	9996	9996	9996	9996	9997	9997	9997	9997	9997
5.4	9997	9997	9997	9997	9997	9997	9997	9997	9997	9997
5.5	9997	9997	9997	9997	9997	9997	9997	9997	9998	9998
5.6	9998	9998	9998	9998	9998	9998	9998	9998	9998	9998
5.7	9998	9998	9998	9998	9998	9998	9998	9998	9998	9998
5.8	9998	9998	9998	9998	9998	9998	9998	9998	9998	9998
5.9	9998	9998	9998	9998	9998	9998	9998	9998	9998	9998

TABLE 9

Table 9. **Specified Method of Tetrads:** Probability of a Correct Response ($\times 10^4$) as a Function of δ

δ	0.00	0.01	0.02	0.03	0.04	0.05	0.06	0.07	0.08	0.09
0.0	1667	1689	1711	1734	1757	1779	1803	1826	1849	1873
0.1	1897	1921	1945	1969	1994	2019	2044	2069	2094	2119
0.2	2145	2171	2197	2223	2249	2276	2302	2329	2356	2383
0.3	2410	2438	2465	2493	2521	2549	2577	2606	2634	2663
0.4	2692	2721	2750	2779	2809	2838	2868	2898	2928	2958
0.5	2988	3019	3049	3080	3110	3141	3172	3203	3235	3266
0.6	3298	3329	3361	3393	3425	3457	3489	3521	3553	3586
0.7	3618	3651	3684	3716	3749	3782	3815	3848	3881	3915
0.8	3948	3981	4015	4048	4082	4116	4149	4183	4217	4251
0.9	4285	4319	4352	4386	4421	4455	4489	4523	4557	4591
1.0	4625	4660	4694	4728	4762	4797	4831	4865	4900	4934
1.1	4968	5002	5037	5071	5105	5139	5174	5208	5242	5276
1.2	5310	5344	5378	5412	5446	5480	5514	5548	5581	5615
1.3	5649	5682	5716	5749	5783	5816	5849	5883	5916	5949
1.4	5982	6015	6048	6080	6113	6145	6178	6210	6243	6275
1.5	6307	6339	6371	6403	6434	6466	6497	6529	6560	6591
1.6	6622	6653	6684	6714	6745	6775	6805	6836	6866	6896
1.7	6925	6955	6984	7014	7043	7072	7101	7130	7158	7187
1.8	7215	7243	7271	7299	7327	7354	7382	7409	7436	7463
1.9	7490	7517	7543	7569	7596	7622	7641	7673	7699	7724
2.0	7749	7774	7799	7824	7848	7873	7897	7921	7945	7968
2.1	7992	8015	8038	8061	8084	8107	8129	8151	8174	8195
2.2	8217	8239	8260	8282	8303	8324	8344	8365	8385	8405
2.3	8425	8445	8465	8485	8504	8523	8542	8561	8580	8598
2.4	8617	8635	8653	8670	8688	8706	8723	8740	8757	8774
2.5	8791	8807	8823	8840	8856	8871	8887	8903	8918	8933
2.6	8948	8963	8978	8992	9007	9021	9035	9049	9063	9077
2.7	9090	9103	9117	9130	9142	9155	9168	9180	9193	9205
2.8	9217	9229	9240	9252	9263	9275	9286	9297	9308	9319
2.9	9329	9340	9350	9360	9371	9381	9390	9400	9410	9419
3.0	9429	9438	9447	9456	9465	9474	9482	9491	9499	9508
3.1	9516	9524	9532	9540	9547	9555	9563	9570	9577	9585
3.2	9592	9599	9606	9613	9619	9626	9632	9639	9645	9651
3.3	9658	9664	9670	9676	9681	9687	9693	9698	9704	9709
3.4	9714	9719	9725	9730	9735	9740	9744	9749	9754	9758
3.5	9763	9767	9772	9776	9780	9784	9788	9792	9796	9800
3.6	9804	9808	9812	9815	9819	9822	9826	9829	9833	9836
3.7	9839	9842	9845	9848	9851	9854	9857	9860	9863	9866
3.8	9868	9871	9874	9876	9879	9881	9884	9886	9888	9891
3.9	9893	9895	9897	9900	9902	9904	9906	9908	9910	9912
4.0	9913	9915	9917	9919	9921	9922	9924	9926	9927	9929
4.1	9930	9932	9933	9935	9936	9938	9939	9940	9942	9943
4.2	9944	9945	9947	9948	9949	9950	9951	9952	9953	9954
4.3	9955	9956	9957	9958	9959	9960	9961	9962	9963	9964
4.4	9965	9966	9966	9967	9968	9969	9969	9970	9971	9971
4.5	9972	9973	9973	9974	9975	9975	9976	9976	9977	9978
4.6	9978	9979	9979	9980	9980	9981	9981	9982	9982	9982
4.7	9983	9983	9984	9984	9985	9985	9985	9986	9986	9986
4.8	9987	9987	9987	9988	9988	9988	9988	9989	9989	9989
4.9	9990	9990	9990	9990	9991	9991	9991	9991	9992	9992
5.0	9992	9992	9992	9993	9993	9993	9993	9993	9993	9994
5.1	9994	9994	9994	9994	9994	9995	9995	9995	9995	9995
5.2	9995	9995	9995	9995	9996	9996	9996	9996	9996	9996
5.3	9996	9996	9996	9996	9996	9997	9997	9997	9997	9997
5.4	9997	9997	9997	9997	9997	9997	9997	9997	9997	9997
5.5	9997	9997	9997	9997	9997	9997	9997	9997	9998	9998
5.6	9998	9998	9998	9998	9998	9998	9998	9998	9998	9998
5.7	9998	9998	9998	9998	9998	9998	9998	9998	9998	9998
5.8	9998	9998	9998	9998	9998	9998	9998	9998	9998	9998
5.9	9998	9998	9998	9998	9998	9998	9998	9998	9998	9998

TABLE 10

Table 10. **Dual Pair Method:** Probability of a Correct Response ($\times 10^4$) as a Function of δ

δ	0.00	0.01	0.02	0.03	0.04	0.05	0.06	0.07	0.08	0.09
0.0	5000	5000	5000	5000	5001	5001	5002	5003	5005	5006
0.1	5007	5009	5011	5013	5015	5017	5020	5022	5025	5028
0.2	5031	5034	5038	5041	5045	5049	5053	5057	5061	5066
0.3	5071	5075	5080	5085	5091	5096	5102	5107	5113	5119
0.4	5125	5131	5138	5144	5151	5158	5165	5172	5179	5187
0.5	5194	5202	5210	5218	5226	5234	5243	5251	5260	5269
0.6	5278	5287	5296	5305	5315	5324	5334	5344	5354	5364
0.7	5374	5384	5395	5405	5416	5427	5438	5449	5460	5471
0.8	5483	5494	5506	5517	5529	5541	5553	5565	5578	5590
0.9	5603	5615	5628	5641	5653	5666	5679	5693	5706	5719
1.0	5733	5746	5760	5774	5787	5801	5815	5829	5843	5858
1.1	5872	5886	5901	5915	5930	5944	5959	5974	5989	6004
1.2	6019	6034	6049	6064	6079	6095	6110	6126	6141	6157
1.3	6172	6188	6204	6219	6235	6251	6267	6283	6299	6315
1.4	6331	6347	6363	6380	6396	6412	6429	6445	6461	6478
1.5	6494	6511	6527	6544	6560	6577	6593	6610	6627	6643
1.6	6660	6677	6693	6710	6727	6744	6760	6777	6794	6811
1.7	6828	6844	6861	6878	6895	6912	6929	6945	6962	6979
1.8	6996	7013	7029	7046	7063	7080	7097	7113	7130	7147
1.9	7164	7180	7197	7214	7230	7247	7264	7280	7297	7313
2.0	7330	7346	7363	7379	7396	7412	7428	7445	7461	7477
2.1	7494	7510	7526	7542	7558	7574	7590	7606	7622	7638
2.2	7654	7670	7686	7702	7717	7733	7749	7764	7780	7795
2.3	7811	7826	7842	7857	7872	7888	7903	7918	7933	7948
2.4	7963	7978	7993	8008	8022	8037	8052	8066	8081	8095
2.5	8110	8124	8138	8153	8167	8181	8195	8209	8223	8237
2.6	8251	8265	8278	8292	8306	8319	8333	8346	8359	8373
2.7	8386	8399	8412	8425	8438	8451	8464	8477	8490	8502
2.8	8515	8527	8540	8552	8564	8577	8589	8601	8613	8625
2.9	8637	8649	8661	8672	8684	8696	8707	8719	8730	8741
3.0	8753	8764	8775	8786	8797	8808	8819	8830	8840	8851
3.1	8861	8872	8882	8893	8903	8913	8924	8934	8944	8954
3.2	8964	8973	8983	8993	9003	9012	9022	9031	9040	9050
3.3	9059	9068	9077	9086	9095	9104	9113	9122	9131	9139
3.4	9148	9156	9165	9173	9182	9190	9198	9206	9214	9222
3.5	9230	9238	9246	9254	9262	9269	9277	9284	9292	9299
3.6	9307	9314	9321	9328	9336	9343	9350	9357	9363	9370
3.7	9377	9384	9390	9397	9404	9410	9416	9423	9429	9435
3.8	9442	9448	9454	9460	9466	9472	9478	9484	9489	9495
3.9	9501	9506	9512	9518	9523	9528	9534	9539	9544	9550
4.0	9555	9560	9565	9570	9575	9580	9585	9590	9595	9599
4.1	9604	9609	9613	9618	9622	9627	9631	9636	9640	9644
4.2	9649	9653	9657	9661	9665	9669	9673	9677	9681	9685
4.3	9689	9693	9697	9700	9704	9708	9711	9715	9718	9722
4.4	9725	9729	9732	9735	9739	9742	9745	9749	9752	9755
4.5	9758	9761	9764	9767	9770	9773	9776	9779	9782	9785
4.6	9787	9790	9793	9795	9798	9801	9803	9806	9809	9811
4.7	9814	9816	9818	9821	9823	9826	9828	9830	9832	9835
4.8	9837	9839	9841	9843	9845	9848	9850	9852	9854	9856
4.9	9858	9860	9862	9863	9865	9867	9869	9871	9873	9874
5.0	9876	9878	9879	9881	9883	9884	9886	9888	9889	9891
5.1	9892	9894	9895	9897	9898	9900	9901	9903	9904	9905
5.2	9907	9908	9909	9911	9912	9913	9914	9916	9917	9918
5.3	9919	9921	9922	9923	9924	9925	9926	9927	9928	9929
5.4	9930	9931	9932	9933	9934	9935	9936	9937	9938	9939
5.5	9940	9941	9942	9943	9944	9944	9945	9946	9947	9948
5.6	9949	9949	9950	9951	9952	9952	9953	9954	9954	9955
5.7	9956	9957	9957	9958	9959	9959	9960	9960	9961	9962
5.8	9962	9963	9963	9964	9965	9965	9966	9966	9967	9967
5.9	9968	9968	9969	9969	9970	9970	9971	9971	9972	9972

TABLE 11

Table 11. **2-AFC Method:** For a Particular d' , Variance of $d' = (\text{Table Value}) / (\text{Sample Size})$

d'	0.00	0.01	0.02	0.03	0.04	0.05	0.06	0.07	0.08	0.09
0.0	3.1416	3.1417	3.1418	3.1421	3.1425	3.1430	3.1436	3.1444	3.1452	3.1462
0.1	3.1473	3.1485	3.1498	3.1513	3.1528	3.1545	3.1562	3.1581	3.1601	3.1623
0.2	3.1645	3.1669	3.1694	3.1720	3.1747	3.1775	3.1805	3.1835	3.1867	3.1900
0.3	3.1934	3.1970	3.2007	3.2045	3.2084	3.2124	3.2166	3.2209	3.2253	3.2298
0.4	3.2345	3.2392	3.2442	3.2492	3.2544	3.2597	3.2651	3.2706	3.2763	3.2821
0.5	3.2881	3.2942	3.3004	3.3067	3.3132	3.3198	3.3266	3.3335	3.3405	3.3477
0.6	3.3550	3.3624	3.3700	3.3778	3.3857	3.3937	3.4019	3.4102	3.4187	3.4273
0.7	3.4361	3.4450	3.4541	3.4633	3.4727	3.4822	3.4920	3.5018	3.5119	3.5220
0.8	3.5324	3.5429	3.5536	3.5645	3.5755	3.5867	3.5981	3.6096	3.6213	3.6332
0.9	3.6453	3.6576	3.6700	3.6826	3.6954	3.7084	3.7216	3.7350	3.7486	3.7624
1.0	3.7763	3.7905	3.8049	3.8195	3.8343	3.8492	3.8645	3.8799	3.8955	3.9113
1.1	3.9274	3.9437	3.9602	3.9770	3.9939	4.0111	4.0286	4.0462	4.0642	4.0823
1.2	4.1007	4.1194	4.1383	4.1574	4.1768	4.1965	4.2165	4.2367	4.2571	4.2779
1.3	4.2989	4.3202	4.3418	4.3637	4.3850	4.4083	4.4310	4.4541	4.4774	4.5011
1.4	4.5250	4.5493	4.5739	4.5989	4.6241	4.6497	4.6757	4.7019	4.7285	4.7555
1.5	4.7828	4.8105	4.8386	4.8670	4.8957	4.9249	4.9544	4.9844	5.0147	5.0454
1.6	5.0766	5.1081	5.1401	5.1724	5.2052	5.2385	5.2722	5.3063	5.3408	5.3759
1.7	5.4114	5.4473	5.4838	5.5207	5.5581	5.5960	5.6344	5.6734	5.7128	5.7528
1.8	5.7933	5.8343	5.8759	5.9181	5.9608	6.0041	6.0480	6.0925	6.1375	6.1832
1.9	6.2295	6.2764	6.3240	6.3722	6.4211	6.4706	6.5208	6.5717	6.6232	6.6755
2.0	6.7285	6.7823	6.8367	6.8919	6.9479	7.0047	7.0622	7.1206	7.1797	7.2397
2.1	7.3005	7.3622	7.4247	7.4881	7.5524	7.6176	7.6837	7.7508	7.8188	7.8877
2.2	7.9577	8.0286	8.1005	8.1735	8.2475	8.3226	8.3988	8.4760	8.5543	8.6338
2.3	8.7145	8.7963	8.8793	8.9635	9.0489	9.1356	9.2235	9.3128	9.4033	9.4952
2.4	9.588	9.683	9.779	9.876	9.975	10.076	10.178	10.281	10.386	10.492
2.5	10.601	10.710	10.822	10.935	11.050	11.166	11.285	11.405	11.527	11.651
2.6	11.777	11.904	12.034	12.166	12.299	12.435	12.573	12.713	12.856	13.000
2.7	13.147	13.296	13.448	13.601	13.758	13.917	14.078	14.242	14.408	14.578
2.8	14.750	14.924	15.102	15.282	15.466	15.652	15.841	16.034	16.230	16.428
2.9	16.631	16.836	17.045	17.257	17.473	17.692	17.915	18.142	18.373	18.607
3.0	18.846	19.088	19.335	19.586	19.841	20.100	20.364	20.632	20.905	21.183
3.1	21.465	21.752	22.044	22.342	22.644	22.952	23.265	23.583	23.908	24.237
3.2	24.573	24.915	25.262	25.616	25.977	26.343	26.716	27.096	27.482	27.876
3.3	28.277	28.685	29.100	29.523	29.953	30.392	30.838	31.292	31.755	32.227
3.4	32.706	33.196	33.694	34.201	34.718	35.244	35.780	36.327	36.883	37.451
3.5	38.028	38.617	39.217	39.828	40.450	41.085	41.732	42.392	43.063	43.748
3.6	44.447	45.158	45.884	46.623	47.377	48.146	48.929	49.728	50.544	51.374
3.7	52.221	53.085	53.966	54.864	55.782	56.716	57.669	58.641	59.632	60.644
3.8	61.678	62.731	63.805	64.903	66.021	67.163	68.328	69.516	70.729	71.968
3.9	73.231	74.522	75.830	77.181	78.552	79.954	81.384	82.844	84.335	85.852
4.0	87.41	88.99	90.62	92.27	93.96	95.68	97.45	99.25	101.09	102.97
4.1	104.88	106.84	108.85	110.09	112.98	115.12	117.30	119.53	121.01	124.14
4.2	126.52	128.95	131.44	133.97	136.58	139.23	141.95	144.72	147.55	150.46
4.3	153.42	156.46	159.55	162.72	165.96	169.28	172.68	176.14	179.68	183.32
4.4	187.03	190.84	194.72	198.70	202.76	206.92	211.18	215.54	219.99	224.55
4.5	229.20	234.00	238.88	243.91	248.99	254.24	259.65	265.13	270.75	276.51
4.6	282.42	288.43	294.62	301.00	307.42	314.06	320.90	327.80	334.99	342.25
4.7	349.85	357.46	365.30	373.36	381.61	390.07	398.73	407.54	416.72	426.01
4.8	435.55	445.37	455.30	465.61	476.25	486.93	490.06	509.36	521.03	532.78
4.9	545.18	557.67	570.63	583.69	597.26	611.25	625.34	639.87	654.69	670.19
5.0	686.03	702.24	718.81	736.00	752.88	771.18	789.70	808.15	827.37	847.43
5.1	867.8	889.0	910.2	932.1	954.2	978.0	1001.6	1026.1	1051.9	1077.8

TABLE 12

Table 12. **Duo-Trio Method:** For a Particular d' , Variance of $d' = (\text{Table Value}) / (\text{Sample Size})$

d'	0.00	0.01	0.02	0.03	0.04	0.05	0.06	0.07	0.08	0.09
0.0	NA	74025.00	18508.00	8228.00	4630.00	2964.00	2059.00	1514.00	1160.00	917.00
0.1	743.52	615.05	517.34	441.30	380.96	332.29	292.45	259.43	231.77	208.35
0.2	188.36	171.16	156.25	143.24	131.83	121.75	112.82	104.86	97.74	91.34
0.3	85.576	80.358	75.622	71.310	67.374	63.770	60.463	57.420	54.615	52.024
0.4	49.624	47.398	45.330	43.405	41.610	39.933	38.365	36.897	35.520	34.226
0.5	33.010	31.864	30.785	29.766	28.804	27.895	27.034	26.218	25.444	24.710
0.6	24.012	23.349	22.719	22.118	21.545	21.000	20.479	19.981	19.506	19.052
0.7	18.618	18.202	17.803	17.422	17.056	16.705	16.368	16.044	15.733	15.435
0.8	15.148	14.872	14.606	14.350	14.104	13.867	13.638	13.418	13.205	13.000
0.9	12.803	12.612	12.427	12.249	12.070	11.911	11.751	11.596	11.446	11.301
1.0	11.160	11.025	10.893	10.766	10.643	10.524	10.409	10.297	10.189	10.084
1.1	9.983	9.885	9.789	9.697	9.608	9.521	9.437	9.356	9.277	9.201
1.2	9.127	9.055	8.986	8.918	8.853	8.790	8.729	8.669	8.612	8.556
1.3	8.502	8.450	8.400	8.351	8.304	8.258	8.214	8.171	8.130	8.090
1.4	8.051	8.014	7.978	7.943	7.910	7.878	7.847	7.817	7.788	7.760
1.5	7.734	7.709	7.684	7.661	7.638	7.617	7.597	7.577	7.559	7.541
1.6	7.524	7.509	7.494	7.480	7.466	7.454	7.442	7.432	7.422	7.412
1.7	7.404	7.396	7.389	7.383	7.378	7.373	7.369	7.365	7.363	7.361
1.8	7.360	7.359	7.359	7.360	7.361	7.363	7.366	7.369	7.373	7.377
1.9	7.382	7.388	7.395	7.401	7.409	7.417	7.426	7.435	7.445	7.456
2.0	7.467	7.478	7.490	7.503	7.516	7.530	7.545	7.560	7.575	7.591
2.1	7.608	7.625	7.643	7.661	7.680	7.699	7.719	7.740	7.761	7.782
2.2	7.804	7.827	7.850	7.874	7.898	7.923	7.948	7.974	8.000	8.027
2.3	8.055	8.083	8.111	8.140	8.170	8.200	8.231	8.262	8.294	8.326
2.4	8.359	8.392	8.426	8.461	8.496	8.531	8.567	8.604	8.641	8.679
2.5	8.717	8.756	8.796	8.836	8.876	8.917	8.959	9.001	9.044	9.088
2.6	9.132	9.176	9.221	9.267	9.313	9.360	9.408	9.456	9.505	9.554
2.7	9.604	9.654	9.705	9.757	9.809	9.862	9.916	9.970	10.024	10.080
2.8	10.136	10.192	10.250	10.308	10.366	10.425	10.485	10.545	10.606	10.668
2.9	10.731	10.794	10.857	10.922	10.987	11.052	11.119	11.186	11.254	11.322
3.0	11.391	11.461	11.531	11.603	11.675	11.747	11.820	11.894	11.969	12.045
3.1	12.121	12.198	12.275	12.354	12.433	12.513	12.593	12.675	12.757	12.839
3.2	12.923	13.007	13.093	13.179	13.265	13.353	13.441	13.530	13.620	13.711
3.3	13.802	13.894	13.987	14.081	14.176	14.271	14.368	14.465	14.563	14.662
3.4	14.762	14.862	14.964	15.066	15.169	15.273	15.378	15.484	15.591	15.698
3.5	15.807	15.916	16.026	16.137	16.250	16.363	16.477	16.591	16.707	16.824
3.6	16.942	17.061	17.180	17.301	17.422	17.545	17.668	17.793	17.919	18.045
3.7	18.173	18.301	18.431	18.561	18.693	18.826	18.960	19.094	19.230	19.367
3.8	19.505	19.644	19.784	19.926	20.068	20.212	20.356	20.502	20.649	20.797
3.9	20.946	21.096	21.248	21.400	21.554	21.709	21.866	22.023	22.182	22.342
4.0	22.503	22.665	22.829	22.994	23.160	23.327	23.496	23.666	23.838	24.010
4.1	24.184	24.360	24.536	24.714	24.894	25.075	25.257	25.441	25.626	25.812
4.2	26.000	26.189	26.380	26.573	26.767	26.962	27.159	27.357	27.557	27.759
4.3	27.962	28.166	28.373	28.580	28.790	29.001	29.214	29.428	29.645	29.862
4.4	30.082	30.303	30.526	30.751	30.978	31.206	31.436	31.668	31.902	32.138
4.5	32.376	32.615	32.857	33.100	33.345	33.593	33.842	34.093	34.347	34.602
4.6	34.859	35.119	35.381	35.645	35.911	36.179	36.449	36.722	36.996	37.274
4.7	37.553	37.835	38.119	38.405	38.694	38.985	39.279	39.575	39.873	40.174
4.8	40.478	40.784	41.093	41.404	41.718	42.035	42.355	42.677	43.001	43.329
4.9	43.660	43.993	44.329	44.668	45.050	45.356	45.704	46.054	46.409	46.766
5.0	47.127	47.490	47.857	48.227	48.600	48.976	49.357	49.740	50.127	50.517
5.1	50.911	51.308	51.709	52.113	52.521	52.933	53.349	53.768	54.191	54.618

TABLE 13

Table 13. **3-AFC Method:** For a Particular d' , Variance of $d' = (\text{Table Value}) / (\text{Sample Size})$

d'	0.00	0.01	0.02	0.03	0.04	0.05	0.06	0.07	0.08	0.09
0.0	2.7925	2.7862	2.7801	2.7740	2.7681	2.7624	2.7568	2.7513	2.7460	2.7408
0.1	2.7357	2.7307	2.7259	2.7212	2.7167	2.7123	2.7080	2.7038	2.6998	2.6959
0.2	2.6921	2.6884	2.6849	2.6814	2.6782	2.6750	2.6719	2.6690	2.6662	2.6635
0.3	2.6610	2.6585	2.6562	2.6540	2.6519	2.6499	2.6481	2.6464	2.6448	2.6433
0.4	2.6419	2.6406	2.6395	2.6384	2.6375	2.6367	2.6360	2.6355	2.6350	2.6347
0.5	2.6344	2.6343	2.6343	2.6345	2.6347	2.6351	2.6355	2.6361	2.6368	2.6376
0.6	2.6385	2.6396	2.6407	2.6420	2.6434	2.6449	2.6465	2.6483	2.6501	2.6521
0.7	2.6542	2.6564	2.6587	2.6611	2.6637	2.6664	2.6692	2.6721	2.6751	2.6783
0.8	2.6815	2.6849	2.6884	2.6921	2.6958	2.6997	2.7037	2.7079	2.7121	2.7165
0.9	2.7210	2.7256	2.7304	2.7353	2.7403	2.7454	2.7507	2.7561	2.7616	2.7673
1.0	2.7731	2.7790	2.7851	2.7913	2.7976	2.8041	2.8107	2.8175	2.8244	2.8314
1.1	2.8386	2.8459	2.8534	2.8610	2.8688	2.8767	2.8847	2.8930	2.9013	2.9098
1.2	2.9185	2.9273	2.9363	2.9454	2.9547	2.9642	2.9738	2.9836	2.9936	3.0037
1.3	3.0140	3.0244	3.0351	3.0459	3.0569	3.0680	3.0794	3.0909	3.1026	3.1145
1.4	3.1265	3.1388	3.1512	3.1639	3.1767	3.1898	3.2030	3.2164	3.2301	3.2439
1.5	3.2580	3.2722	3.2867	3.3014	3.3163	3.3314	3.3468	3.3623	3.3781	3.3942
1.6	3.4104	3.4269	3.4437	3.4607	3.4779	3.4954	3.5131	3.5311	3.5493	3.5678
1.7	3.5866	3.6056	3.6249	3.6445	3.6643	3.6845	3.7049	3.7256	3.7466	3.7679
1.8	3.7895	3.8114	3.8336	3.8561	3.8790	3.9021	3.9256	3.9494	3.9735	3.9980
1.9	4.0229	4.0480	4.0736	4.0995	4.1257	4.1523	4.1793	4.2067	4.2344	4.2626
2.0	4.2911	4.3201	4.3494	4.3792	4.4093	4.4399	4.4710	4.5025	4.5344	4.5667
2.1	4.5996	4.6328	4.6666	4.7008	4.7356	4.7708	4.8065	4.8427	4.8794	4.9167
2.2	4.9545	4.9928	5.0317	5.0711	5.1111	5.1517	5.1929	5.2346	5.2769	5.3199
2.3	5.3635	5.4077	5.4525	5.4981	5.5442	5.5910	5.6386	5.6868	5.7357	5.7853
2.4	5.8357	5.8868	5.9386	5.9912	6.0446	6.0988	6.1538	6.2096	6.2662	6.3236
2.5	6.3819	6.4411	6.5012	6.5622	6.6241	6.6869	6.7507	6.8154	6.8811	6.9479
2.6	7.0156	7.0843	7.1542	7.2250	7.2970	7.3701	7.4443	7.5196	7.5961	7.6737
2.7	7.7526	7.8327	7.9141	7.9967	8.0806	8.1658	8.2524	8.3403	8.4296	8.5204
2.8	8.6125	8.7061	8.8012	8.8979	8.9960	9.0957	9.1971	9.3000	9.4047	9.5110
2.9	9.619	9.729	9.840	9.954	10.069	10.186	10.305	10.426	10.549	10.674
3.0	10.801	10.930	11.062	11.195	11.331	11.469	11.609	11.752	11.897	12.045
3.1	12.195	12.347	12.503	12.660	12.821	12.984	13.150	13.319	13.491	13.666
3.2	13.844	14.025	14.209	14.396	14.587	14.781	14.978	15.179	15.383	15.591
3.3	15.802	16.018	16.237	16.460	16.687	16.918	17.154	17.393	17.637	17.886
3.4	18.138	18.396	18.658	18.925	19.196	19.473	19.755	20.042	20.334	20.632
3.5	20.936	21.245	21.559	21.880	22.206	22.539	22.878	23.224	23.575	23.934
3.6	24.299	24.672	25.051	25.438	25.832	26.231	26.643	27.061	27.486	27.920
3.7	28.362	28.813	29.273	29.741	30.218	30.706	31.203	31.710	32.225	32.752
3.8	33.290	33.838	34.397	34.968	35.549	36.142	36.748	37.365	37.996	38.638
3.9	39.295	39.964	40.647	41.343	42.055	42.781	43.522	44.278	45.051	45.837
4.0	46.642	47.463	48.301	49.157	50.031	50.925	51.835	52.765	53.716	54.686
4.1	55.676	56.687	57.722	58.778	59.856	60.959	62.083	63.232	64.406	65.609
4.2	66.835	68.085	69.363	70.679	72.011	73.378	74.776	76.203	77.663	79.153
4.3	80.676	82.231	83.826	85.156	87.122	88.824	90.568	92.347	94.168	96.029
4.4	97.94	99.89	101.87	103.91	106.00	108.13	110.30	112.54	114.82	117.15
4.5	119.54	122.00	124.49	127.06	129.67	132.36	135.11	137.91	140.79	143.72
4.6	146.75	149.83	153.00	156.23	159.55	162.92	166.39	169.94	173.60	177.32
4.7	181.14	185.06	189.07	193.16	197.35	201.65	206.08	210.59	215.24	219.93
4.8	224.81	229.85	234.91	240.13	245.52	251.01	256.65	262.39	268.29	274.38
4.9	280.57	286.97	293.44	300.11	307.05	314.10	321.37	328.68	336.35	344.18
5.0	352.08	360.42	368.70	377.37	386.31	395.30	404.63	414.26	423.99	433.91
5.1	444.34	454.81	465.84	477.06	488.24	500.04	512.35	524.87	537.15	550.34

TABLE 14

Table 14. **Triangular Method:** For a Particular d' , Variance of $d' = (\text{Table Value}) / (\text{Sample Size})$

d'	0.00	0.01	0.02	0.03	0.04	0.05	0.06	0.07	0.08	0.09
0.0	NA	65800	16452	7314	4115	2635	1831	1346	1031	815
0.1	661.08	546.88	460.03	392.44	338.81	295.54	260.13	230.78	206.19	185.38
0.2	167.61	152.31	139.06	127.5	117.35	108.4	100.45	93.38	87.05	81.36
0.3	76.236	71.597	67.387	63.554	60.054	56.85	53.91	51.205	48.711	46.406
0.4	44.273	42.294	40.455	38.742	37.146	35.655	34.261	32.954	31.729	30.578
0.5	29.496	28.477	27.517	26.611	25.755	24.945	24.179	23.452	22.764	22.110
0.6	21.489	20.898	20.336	19.801	19.291	18.805	18.341	17.897	17.474	17.069
0.7	16.681	16.310	15.954	15.614	15.287	14.973	14.672	14.383	14.106	13.839
0.8	13.582	13.335	13.097	12.868	12.647	12.435	12.230	12.032	11.841	11.657
0.9	11.479	11.308	11.142	10.982	10.827	10.677	10.532	10.392	10.256	10.125
1.0	9.998	9.875	9.756	9.641	9.529	9.421	9.316	9.214	9.115	9.019
1.1	8.926	8.836	8.749	8.664	8.582	8.502	8.424	8.349	8.276	8.205
1.2	8.136	8.069	8.004	7.941	7.880	7.820	7.762	7.706	7.651	7.598
1.3	7.547	7.497	7.448	7.401	7.355	7.310	7.267	7.225	7.184	7.144
1.4	7.106	7.068	7.032	6.997	6.962	6.929	6.897	6.866	6.835	6.806
1.5	6.778	6.750	6.723	6.697	6.672	6.648	6.624	6.601	6.579	6.558
1.6	6.538	6.518	6.499	6.480	6.462	6.445	6.429	6.413	6.398	6.383
1.7	6.369	6.355	6.342	6.330	6.318	6.307	6.296	6.286	6.276	6.267
1.8	6.258	6.250	6.242	6.235	6.228	6.222	6.216	6.211	6.206	6.201
1.9	6.197	6.193	6.190	6.187	6.185	6.183	6.181	6.180	6.179	6.179
2.0	6.178	6.179	6.179	6.180	6.182	6.184	6.186	6.188	6.191	6.194
2.1	6.198	6.201	6.206	6.210	6.215	6.220	6.226	6.231	6.238	6.244
2.2	6.251	6.258	6.265	6.273	6.281	6.289	6.298	6.307	6.316	6.326
2.3	6.336	6.346	6.356	6.367	6.378	6.389	6.401	6.413	6.425	6.438
2.4	6.450	6.463	6.477	6.490	6.504	6.518	6.533	6.548	6.563	6.578
2.5	6.594	6.609	6.626	6.642	6.659	6.676	6.693	6.710	6.728	6.746
2.6	6.765	6.783	6.802	6.821	6.841	6.861	6.881	6.901	6.921	6.942
2.7	6.963	6.985	7.007	7.029	7.051	7.073	7.096	7.119	7.143	7.166
2.8	7.190	7.214	7.239	7.264	7.289	7.314	7.340	7.366	7.392	7.418
2.9	7.445	7.472	7.500	7.527	7.555	7.584	7.612	7.641	7.670	7.700
3.0	7.729	7.760	7.790	7.821	7.852	7.883	7.914	7.946	7.979	8.011
3.1	8.044	8.077	8.111	8.144	8.179	8.213	8.248	8.283	8.318	8.354
3.2	8.390	8.427	8.463	8.500	8.538	8.576	8.614	8.652	8.691	8.730
3.3	8.770	8.810	8.850	8.890	8.931	8.973	9.014	9.056	9.099	9.142
3.4	9.185	9.228	9.272	9.317	9.361	9.406	9.452	9.498	9.544	9.591
3.5	9.638	9.685	9.733	9.781	9.830	9.879	9.929	9.979	10.029	10.080
3.6	10.131	10.183	10.235	10.287	10.340	10.394	10.448	10.502	10.557	10.612
3.7	10.668	10.724	10.781	10.838	10.896	10.954	11.012	11.072	11.131	11.191
3.8	11.252	11.313	11.375	11.437	11.500	11.563	11.627	11.691	11.756	11.821
3.9	11.887	11.954	12.021	12.089	12.157	12.225	12.295	12.365	12.435	12.506
4.0	12.578	12.651	12.723	12.797	12.871	12.946	13.022	13.098	13.174	13.252
4.1	13.330	13.409	13.488	13.568	13.649	13.730	13.812	13.895	13.979	14.063
4.2	14.148	14.233	14.320	14.407	14.495	14.584	14.673	14.763	14.854	14.946
4.3	15.039	15.132	15.226	15.321	15.417	15.514	15.611	15.709	15.809	15.909
4.4	16.009	16.111	16.214	16.318	16.422	16.527	16.634	16.741	16.849	16.958
4.5	17.068	17.180	17.292	17.405	17.519	17.634	17.750	17.867	17.985	18.104
4.6	18.225	18.346	18.468	18.592	18.717	18.842	18.969	19.097	19.226	19.357
4.7	19.488	19.621	19.755	19.890	20.026	20.164	20.303	20.443	20.584	20.727
4.8	20.871	21.016	21.163	21.310	21.460	21.610	21.763	21.916	22.071	22.227
4.9	22.385	22.544	22.705	22.867	23.031	23.196	23.363	23.531	23.701	23.872
5.0	24.046	24.220	24.397	24.575	24.754	24.936	25.119	25.304	25.491	25.679
5.1	25.869	26.061	26.255	26.451	26.648	26.847	27.049	27.252	27.457	27.665

TABLE 15

Table 15. **Unspecified Method of Tetrads:** For a Particular d' , Variance of $d' = (\text{Table Value}) / (\text{Sample Size})$

d'	0.00	0.01	0.02	0.03	0.04	0.05	0.06	0.07	0.08	0.09
0.0	NA	16,451	4,113.70	1,829.10	1,029.50	659.34	458.29	337.07	258.39	204.45
0.1	165.86	137.31	115.6	98.704	85.296	74.48	65.627	58.291	52.143	46.94
0.2	42.498	38.676	35.363	32.473	29.936	27.698	25.714	23.946	22.364	20.943
0.3	19.662	18.503	17.451	16.493	15.619	14.819	14.085	13.409	12.787	12.212
0.4	11.679	11.185	10.727	10.3	9.902	9.53	9.182	8.857	8.552	8.265
0.5	7.996	7.743	7.504	7.279	7.066	6.865	6.675	6.494	6.324	6.162
0.6	6.008	5.862	5.723	5.591	5.465	5.345	5.231	5.121	5.017	4.918
0.7	4.823	4.732	4.645	4.561	4.482	4.405	4.332	4.262	4.194	4.13
0.8	4.068	4.008	3.951	3.896	3.843	3.792	3.743	3.696	3.651	3.608
0.9	3.566	3.525	3.486	3.449	3.413	3.378	3.345	3.313	3.282	3.252
1.0	3.223	3.195	3.168	3.143	3.118	3.094	3.071	3.049	3.027	3.007
1.1	2.987	2.968	2.949	2.932	2.915	2.898	2.883	2.868	2.853	2.839
1.2	2.826	2.813	2.801	2.789	2.778	2.768	2.757	2.748	2.738	2.73
1.3	2.721	2.713	2.706	2.699	2.692	2.686	2.68	2.674	2.669	2.665
1.4	2.66	2.656	2.652	2.649	2.646	2.643	2.641	2.639	2.637	2.636
1.5	2.634	2.634	2.633	2.633	2.633	2.633	2.634	2.635	2.636	2.638
1.6	2.639	2.641	2.644	2.646	2.649	2.652	2.656	2.659	2.663	2.667
1.7	2.672	2.677	2.681	2.687	2.692	2.698	2.704	2.71	2.717	2.723
1.8	2.73	2.737	2.745	2.753	2.761	2.769	2.778	2.786	2.795	2.805
1.9	2.814	2.824	2.834	2.844	2.855	2.866	2.877	2.888	2.9	2.912
2.0	2.924	2.937	2.949	2.962	2.976	2.989	3.003	3.017	3.032	3.047
2.1	3.062	3.077	3.093	3.109	3.125	3.141	3.158	3.175	3.193	3.211
2.2	3.229	3.247	3.266	3.285	3.305	3.325	3.345	3.365	3.386	3.407
2.3	3.429	3.451	3.473	3.496	3.519	3.543	3.566	3.591	3.615	3.64
2.4	3.666	3.692	3.718	3.745	3.772	3.8	3.828	3.857	3.886	3.915
2.5	3.945	3.976	4.007	4.038	4.07	4.102	4.135	4.169	4.203	4.238
2.6	4.273	4.309	4.345	4.382	4.419	4.457	4.496	4.535	4.575	4.616
2.7	4.657	4.699	4.742	4.785	4.829	4.874	4.919	4.965	5.012	5.06
2.8	5.108	5.157	5.207	5.258	5.31	5.362	5.415	5.469	5.525	5.58
2.9	5.637	5.695	5.754	5.814	5.874	5.936	5.999	6.062	6.127	6.193
3.0	6.26	6.328	6.397	6.467	6.539	6.612	6.686	6.761	6.837	6.915
3.1	6.994	7.074	7.156	7.239	7.324	7.41	7.497	7.586	7.676	7.768
3.2	7.862	7.957	8.054	8.152	8.253	8.355	8.458	8.564	8.671	8.781
3.3	8.892	9.005	9.12	9.237	9.356	9.478	9.601	9.727	9.855	9.985
3.4	10.118	10.253	10.39	10.53	10.673	10.818	10.965	11.116	11.269	11.425
3.5	11.583	11.745	11.91	12.077	12.248	12.422	12.599	12.78	12.964	13.151
3.6	13.342	13.536	13.734	13.936	14.142	14.351	14.565	14.783	15.004	15.23
3.7	15.461	15.696	15.935	16.179	16.428	16.681	16.94	17.203	17.472	17.746
3.8	18.025	18.31	18.6	18.896	19.198	19.506	19.821	20.141	20.468	20.801
3.9	21.141	21.488	21.842	22.204	22.572	22.948	23.332	23.723	24.123	24.53
4.0	24.947	25.371	25.805	26.247	26.699	27.16	27.63	28.111	28.602	29.102
4.1	29.614	30.136	30.669	31.214	31.77	32.338	32.918	33.51	34.115	34.733
4.2	35.365	36.01	36.669	37.342	38.03	38.733	39.451	40.185	40.935	41.702
4.3	42.485	43.286	44.104	44.941	45.796	46.67	47.563	48.477	49.411	50.366
4.4	51.342	52.341	53.362	54.406	55.474	56.566	57.683	58.826	59.995	61.19
4.5	62.413	63.665	64.945	66.254	67.595	68.966	70.369	71.805	73.275	74.779
4.6	76.318	77.894	79.507	81.157	82.847	84.578	86.349	88.162	90.019	91.921
4.7	93.867	95.861	97.903	99.994	102.14	104.33	106.58	108.88	111.24	113.65
4.8	116.12	118.66	121.26	123.92	126.65	129.44	132.3	135.24	138.25	141.33
4.9	144.49	147.73	151.05	154.46	157.95	161.52	165.19	168.95	172.81	176.77
5.0	180.82	184.98	189.25	193.62	198.11	202.72	207.44	212.28	217.25	222.35
5.1	227.59	232.95	238.46	244.11	249.92	255.87	261.98	268.25	274.68	281.29

TABLE 16

Table 16. **Dual Pair Method:** For a Particular d' , Variance of $d' = (\text{Table Value}) / (\text{Sample Size})$

d'	0.00	0.01	0.02	0.03	0.04	0.05	0.06	0.07	0.08	0.09
0.0	105684	105684	105684	105684	7606	7606	3887	2607	1570	1310
0.1	1123	874.7	716.3	606.5	526.0	464.4	395.2	359.5	316.6	283.0
0.2	255.8	233.5	209.2	194.0	177.0	162.8	150.7	140.3	131.2	121.2
0.3	112.9	107.1	100.6	94.81	88.74	84.26	79.47	75.88	71.99	68.49
0.4	65.33	62.46	59.42	57.05	54.53	52.23	50.12	48.19	46.40	44.53
0.5	43.02	41.42	39.94	38.57	37.30	36.11	34.87	33.85	32.77	31.76
0.6	30.82	29.93	29.10	28.33	27.51	26.82	26.10	25.42	24.78	24.17
0.7	23.59	23.05	22.49	22.00	21.49	21.01	20.55	20.12	19.71	19.31
0.8	18.90	18.55	18.17	17.85	17.51	17.18	16.87	16.58	16.27	16.00
0.9	15.71	15.47	15.21	14.96	14.74	14.51	14.29	14.06	13.86	13.66
1.0	13.46	13.28	13.09	12.91	12.75	12.58	12.42	12.26	12.11	11.96
1.1	11.82	11.68	11.54	11.41	11.28	11.16	11.04	10.92	10.81	10.70
1.2	10.59	10.48	10.38	10.28	10.19	10.09	10.00	9.910	9.826	9.739
1.3	9.660	9.578	9.499	9.427	9.352	9.280	9.210	9.141	9.074	9.010
1.4	8.947	8.886	8.827	8.766	8.710	8.656	8.600	8.548	8.499	8.447
1.5	8.400	8.352	8.307	8.261	8.219	8.176	8.136	8.095	8.056	8.019
1.6	7.982	7.945	7.912	7.878	7.844	7.812	7.782	7.752	7.722	7.693
1.7	7.666	7.640	7.614	7.589	7.564	7.540	7.517	7.497	7.475	7.454
1.8	7.434	7.415	7.397	7.379	7.362	7.345	7.329	7.315	7.300	7.286
1.9	7.273	7.260	7.248	7.236	7.226	7.215	7.205	7.196	7.187	7.179
2.0	7.172	7.165	7.158	7.152	7.146	7.142	7.137	7.133	7.129	7.126
2.1	7.124	7.122	7.120	7.119	7.118	7.118	7.118	7.119	7.120	7.122
2.2	7.124	7.127	7.130	7.133	7.137	7.141	7.146	7.151	7.157	7.162
2.3	7.169	7.176	7.183	7.191	7.199	7.208	7.217	7.226	7.236	7.246
2.4	7.256	7.267	7.279	7.291	7.303	7.316	7.329	7.342	7.356	7.370
2.5	7.385	7.400	7.415	7.432	7.448	7.465	7.482	7.499	7.517	7.536
2.6	7.555	7.574	7.593	7.614	7.635	7.655	7.677	7.698	7.720	7.743
2.7	7.766	7.789	7.813	7.837	7.862	7.887	7.913	7.940	7.967	7.992
2.8	8.021	8.047	8.077	8.105	8.133	8.165	8.194	8.225	8.255	8.287
2.9	8.319	8.352	8.386	8.417	8.452	8.488	8.521	8.558	8.593	8.628
3.0	8.667	8.704	8.742	8.780	8.819	8.859	8.899	8.941	8.979	9.022
3.1	9.062	9.107	9.148	9.195	9.238	9.282	9.331	9.377	9.424	9.471
3.2	9.520	9.564	9.614	9.666	9.718	9.766	9.820	9.870	9.921	9.979
3.3	10.03	10.09	10.14	10.20	10.25	10.31	10.37	10.43	10.49	10.55
3.4	10.61	10.67	10.74	10.80	10.87	10.93	10.99	11.06	11.13	11.19
3.5	11.26	11.33	11.41	11.48	11.55	11.62	11.70	11.77	11.85	11.92
3.6	12.01	12.08	12.16	12.24	12.33	12.41	12.49	12.58	12.65	12.74
3.7	12.83	12.92	13.00	13.10	13.20	13.28	13.37	13.47	13.56	13.66
3.8	13.77	13.86	13.96	14.06	14.17	14.27	14.38	14.49	14.58	14.70
3.9	14.81	14.91	15.03	15.16	15.26	15.37	15.50	15.61	15.73	15.87
4.0	15.99	16.11	16.24	16.36	16.49	16.63	16.76	16.90	17.05	17.16
4.1	17.31	17.46	17.59	17.74	17.87	18.04	18.17	18.35	18.49	18.64
4.2	18.82	18.97	19.13	19.28	19.45	19.61	19.78	19.95	20.13	20.31
4.3	20.49	20.68	20.88	21.02	21.23	21.43	21.59	21.81	21.97	22.20
4.4	22.37	22.61	22.79	22.98	23.23	23.43	23.63	23.90	24.11	24.32
4.5	24.54	24.77	25.00	25.23	25.47	25.72	25.97	26.23	26.49	26.76
4.6	26.95	27.23	27.52	27.72	28.02	28.34	28.55	28.88	29.21	29.44
4.7	29.80	30.04	30.28	30.67	30.93	31.33	31.60	31.88	32.17	32.61
4.8	32.91	33.22	33.53	33.85	34.18	34.69	35.04	35.40	35.77	36.15
4.9	36.54	36.93	37.34	37.55	37.97	38.41	38.86	39.32	39.79	40.04
5.0	40.53	41.04	41.30	41.84	42.39	42.67	43.25	43.85	44.15	44.78
5.1	45.10	45.76	46.10	46.80	47.15	47.89	48.27	49.04	49.44	49.85
5.2	50.68	51.12	51.56	52.46	52.93	53.41	53.90	54.91	55.43	55.96
5.3	56.51	57.64	58.22	58.82	59.44	60.07	60.71	61.37	62.05	62.75
5.4	63.47	64.20	64.96	65.74	66.46	67.28	68.11	68.98	69.86	70.78
5.5	71.72	72.70	73.70	74.74	75.81	75.81	76.91	78.06	79.24	80.47
5.6	81.74	81.74	83.06	84.43	85.85	85.85	87.33	88.87	88.87	90.48

TABLE 17 - A & B

Table 17 a, b. Sample sizes required for the 2-AFC, Duo-Trio, Tetrad, and Triangle methods with $\alpha = 0.05$ and power values at various levels of sensory discrimination (δ)

a) Power = 0.80				
δ	2-AFC	Duo-Trio	Tetrad	Triangle
0.30	237	23,293	5,311	20,704
0.35	173	12,687	2,919	11,314
0.40	137	7,508	1,753	6,709
0.45	111	4,753	1,116	4,246
0.50	89	3,160	752	2,825
0.55	76	2,203	531	1,972
0.60	65	1,579	386	1,415
0.65	56	1,170	290	1,049
0.70	49	891	223	792
0.75	42	689	173	614
0.80	37	542	140	488
0.85	33	436	113	389
0.90	30	357	94	318
0.95	28	294	78	262
1.00	26	241	65	220
1.05	23	205	57	184
1.10	21	173	47	154
1.15	21	152	42	135
1.20	18	135	39	116
1.25	18	113	34	102
1.30	16	100	29	89
1.35	16	89	27	81
1.40	16	78	22	70
1.45	13	74	22	65
1.50	13	65	20	57
1.55	13	58	16	52
1.60	11	51	15	47
1.65	11	49	15	42
1.70	11	47	15	39
1.75	11	40	13	37
1.80	11	37	13	34
1.85	11	35	11	30
1.90	11	33	11	29
1.95	11	30	9	29
2.00	8	28	9	23

b) Power = 0.85				
δ	2-AFC	Duo-Trio	Tetrad	Triangle
0.30	273	27,010	6,159	24,047
0.35	201	14,709	3,389	13,125
0.40	156	8,713	2,025	7,792
0.45	126	5,522	1,293	4,933
0.50	102	3,661	870	3,286
0.55	87	2,553	611	2,271
0.60	74	1,828	440	1,642
0.65	65	1,348	332	1,206
0.70	56	1,020	251	919
0.75	49	792	198	706
0.80	42	627	162	565
0.85	40	496	129	451
0.90	35	409	110	366
0.95	33	338	89	304
1.00	28	279	78	251
1.05	26	237	65	212
1.10	26	203	57	179
1.15	23	173	47	154
1.20	21	152	42	135
1.25	21	135	39	116
1.30	18	115	34	102
1.35	16	102	29	94
1.40	16	91	29	81
1.45	16	80	23	73
1.50	16	74	22	65
1.55	13	67	20	60
1.60	13	60	18	52
1.65	13	56	16	47
1.70	13	49	15	42
1.75	11	47	15	42
1.80	11	42	15	39
1.85	11	40	13	34
1.90	11	35	13	34
1.95	11	35	11	29
2.00	11	33	11	29

TABLE 17 - C & D

Table 17 c, d. Sample sizes required for the 2-AFC, Duo-Trio, Tetrad, and Triangle methods with $\alpha = 0.05$ and power values at various levels of sensory discrimination (δ)

c) Power = 0.90				
δ	2-AFC	Duo-Trio	Tetrad	Triangle
0.30	319	32,171	7,307	28,625
0.35	237	17,491	4,022	15,603
0.40	184	10,365	2,397	9,247
0.45	143	6,561	1,540	5,843
0.50	122	4,350	1,029	3,901
0.55	100	3,018	723	2,696
0.60	87	2,162	528	1,940
0.65	74	1,591	389	1,427
0.70	65	1,213	301	1,084
0.75	56	936	234	841
0.80	49	734	187	660
0.85	47	596	151	531
0.90	40	484	124	434
0.95	35	394	105	355
1.00	33	334	89	301
1.05	30	279	78	251
1.10	28	237	65	212
1.15	26	203	57	184
1.20	26	175	47	157
1.25	23	154	42	140
1.30	21	137	39	121
1.35	21	122	34	110
1.40	18	109	32	94
1.45	18	96	29	86
1.50	16	87	25	78
1.55	16	78	22	70
1.60	16	69	22	60
1.65	13	65	20	57
1.70	13	58	18	52
1.75	13	56	16	47
1.80	13	49	15	42
1.85	11	47	15	40
1.90	11	42	15	39
1.95	11	40	13	34
2.00	11	37	13	34

d) Power = 0.95				
δ	2-AFC	Duo-Trio	Tetrad	Triangle
0.30	394	40,563	9,229	36,148
0.35	296	22,080	5,066	19,692
0.40	226	13,088	3,019	11,676
0.45	182	8,253	1,934	7,369
0.50	150	5,473	1,293	4,898
0.55	124	3,799	902	3,398
0.60	104	2,713	657	2,435
0.65	89	2,003	491	1,800
0.70	78	1,524	372	1,360
0.75	69	1,174	293	1,055
0.80	60	928	234	827
0.85	56	736	187	663
0.90	49	602	154	545
0.95	44	494	129	443
1.00	40	413	110	369
1.05	37	346	94	310
1.10	35	296	81	265
1.15	33	254	70	231
1.20	28	220	60	198
1.25	28	190	52	173
1.30	26	169	47	151
1.35	23	150	42	132
1.40	23	135	39	116
1.45	21	117	34	105
1.50	21	109	32	94
1.55	18	98	29	86
1.60	18	87	27	78
1.65	16	78	23	70
1.70	16	74	22	65
1.75	16	67	22	60
1.80	16	60	18	53
1.85	13	56	18	50
1.90	13	51	16	47
1.95	13	49	15	42
2.00	13	47	15	39

TABLE 18

Table 18. In a paired test the observed lower choice count must fall between the table value and $0.5n$ inclusive to declare support for an equivalence hypothesis at the 95% level.

Two products are defined as equivalent if the true choice values are 0.45:0.55 or more similar.

<i>n</i>	Count	<i>n</i>	Count	<i>n</i>	Count	<i>n</i>	Count	<i>n</i>	Count	<i>n</i>	Count	<i>n</i>	Count	<i>n</i>	Count
400	197	600	291	800	384	1000	477	1200	569	1400	662	1600	754	1800	846
405	199	605	293	805	386	1005	479	1205	572	1405	664	1605	756	1805	848
410	201	610	296	810	389	1010	482	1210	574	1410	666	1610	758	1810	850
415	204	615	298	815	391	1015	484	1215	576	1415	669	1615	761	1815	853
420	206	620	300	820	393	1020	486	1220	579	1420	671	1620	763	1820	855
425	209	625	303	825	396	1025	488	1225	581	1425	673	1625	765	1825	857
430	211	630	305	830	398	1030	491	1230	583	1430	675	1630	768	1830	860
435	213	635	307	835	400	1035	493	1235	586	1435	678	1635	770	1835	862
440	216	640	310	840	403	1040	495	1240	588	1440	680	1640	772	1840	864
445	218	645	312	845	405	1045	498	1245	590	1445	682	1645	774	1845	866
450	220	650	314	850	407	1050	500	1250	592	1450	685	1650	777	1850	869
455	223	655	317	855	410	1055	502	1255	595	1455	687	1655	779	1855	871
460	225	660	319	860	412	1060	505	1260	597	1460	689	1660	781	1860	873
465	228	665	321	865	414	1065	507	1265	599	1465	692	1665	784	1865	876
470	230	670	324	870	417	1070	509	1270	602	1470	694	1670	786	1870	878
475	232	675	326	875	419	1075	512	1275	604	1475	696	1675	788	1875	880
480	235	680	328	880	421	1080	514	1280	606	1480	699	1680	791	1880	883
485	237	685	331	885	424	1085	516	1285	609	1485	701	1685	793	1885	885
490	239	690	333	890	426	1090	519	1290	611	1490	703	1690	795	1890	887
495	242	695	335	895	428	1095	521	1295	613	1495	705	1695	797	1895	889
500	244	700	338	900	431	1100	523	1300	616	1500	708	1700	800	1900	892
505	246	705	340	905	433	1105	525	1305	618	1505	710	1705	802	1905	894
510	249	710	342	910	435	1110	528	1310	620	1510	712	1710	804	1910	896
515	251	715	345	915	438	1115	530	1315	622	1515	715	1715	807	1915	899
520	254	720	347	920	440	1120	532	1320	625	1520	717	1720	809	1920	901
525	256	725	349	925	442	1125	535	1325	627	1525	719	1725	811	1925	903
530	258	730	352	930	444	1130	537	1330	629	1530	722	1730	814	1930	905
535	261	735	354	935	447	1135	539	1335	632	1535	724	1735	816	1935	908
540	263	740	356	940	449	1140	542	1340	634	1540	726	1740	818	1940	910
545	265	745	359	945	451	1145	544	1345	636	1545	728	1745	820	1945	912
550	268	750	361	950	454	1150	546	1350	639	1550	731	1750	823	1950	915
555	270	755	363	955	456	1155	549	1355	641	1555	733	1755	825	1955	917
560	272	760	366	960	458	1160	551	1360	643	1560	735	1760	827	1960	919
565	275	765	368	965	461	1165	553	1365	646	1565	738	1765	830	1965	922
570	277	770	370	970	463	1170	556	1370	648	1570	740	1770	832	1970	924
575	279	775	373	975	465	1175	558	1375	650	1575	742	1775	834	1975	926
580	282	780	375	980	468	1180	560	1380	652	1580	745	1780	837	1980	928
585	284	785	377	985	470	1185	562	1385	655	1585	747	1785	839	1985	931
590	286	790	380	990	472	1190	565	1390	657	1590	749	1790	841	1990	933
595	289	795	382	995	475	1195	567	1395	659	1595	751	1795	843	1995	935

TABLE 19

Table 19. In a paired test the observed lower choice count must fall between the table value and $0.5n$ inclusive to declare support for an equivalence hypothesis at the 99% level.

Two products are defined as equivalent if the true choice values are 0.45:0.55 or more similar.

<i>n</i>	Count	<i>n</i>	Count	<i>n</i>	Count	<i>n</i>	Count	<i>n</i>	Count	<i>n</i>	Count	<i>n</i>	Count	<i>n</i>	Count
700	346	900	441	1100	534	1300	628	1500	721	1700	814	1900	907	2100	999
705	348	905	443	1105	537	1305	630	1505	723	1705	816	1905	909	2105	1001
710	351	910	445	1110	539	1310	632	1510	726	1710	818	1910	911	2110	1004
715	353	915	448	1115	541	1315	635	1515	728	1715	821	1915	913	2115	1006
720	356	920	450	1120	544	1320	637	1520	730	1720	823	1920	916	2120	1008
725	358	925	452	1125	546	1325	639	1525	733	1725	825	1925	918	2125	1011
730	360	930	455	1130	548	1330	642	1530	735	1730	828	1930	920	2130	1013
735	363	935	457	1135	551	1335	644	1535	737	1735	830	1935	923	2135	1015
740	365	940	460	1140	553	1340	646	1540	739	1740	832	1940	925	2140	1018
745	368	945	462	1145	555	1345	649	1545	742	1745	835	1945	927	2145	1020
750	370	950	464	1150	558	1350	651	1550	744	1750	837	1950	930	2150	1022
755	372	955	467	1155	560	1355	653	1555	746	1755	839	1955	932	2155	1025
760	375	960	469	1160	562	1360	656	1560	749	1760	842	1960	934	2160	1027
765	377	965	471	1165	565	1365	658	1565	751	1765	844	1965	937	2165	1029
770	379	970	474	1170	567	1370	660	1570	753	1770	846	1970	939	2170	1031
775	382	975	476	1175	569	1375	663	1575	756	1775	849	1975	941	2175	1034
780	384	980	478	1180	572	1380	665	1580	758	1780	851	1980	944	2180	1036
785	386	985	481	1185	574	1385	667	1585	760	1785	853	1985	946	2185	1038
790	389	990	483	1190	576	1390	670	1590	763	1790	856	1990	948	2190	1041
795	391	995	485	1195	579	1395	672	1595	765	1795	858	1995	951	2195	1043
800	394	1000	488	1200	581	1400	674	1600	767	1800	860	2000	953	2200	1045
805	396	1005	490	1205	583	1405	677	1605	770	1805	862	2005	955	2205	1048
810	398	1010	492	1210	586	1410	679	1610	772	1810	865	2010	957	2210	1050
815	401	1015	495	1215	588	1415	681	1615	774	1815	867	2015	960	2215	1052
820	403	1020	497	1220	590	1420	684	1620	777	1820	869	2020	962	2220	1055
825	405	1025	499	1225	593	1425	686	1625	779	1825	872	2025	964	2225	1057
830	408	1030	502	1230	595	1430	688	1630	781	1830	874	2030	967	2230	1059
835	410	1035	504	1235	597	1435	691	1635	784	1835	876	2035	969	2235	1062
840	412	1040	506	1240	600	1440	693	1640	786	1840	879	2040	971	2240	1064
845	415	1045	509	1245	602	1445	695	1645	788	1845	881	2045	974	2245	1066
850	417	1050	511	1250	604	1450	698	1650	791	1850	883	2050	976	2250	1068
855	420	1055	513	1255	607	1455	700	1655	793	1855	886	2055	978	2255	1071
860	422	1060	516	1260	609	1460	702	1660	795	1860	888	2060	981	2260	1073
865	424	1065	518	1265	611	1465	705	1665	798	1865	890	2065	983	2265	1075
870	427	1070	520	1270	614	1470	707	1670	800	1870	893	2070	985	2270	1078
875	429	1075	523	1275	616	1475	709	1675	802	1875	895	2075	988	2275	1080
880	431	1080	525	1280	618	1480	712	1680	805	1880	897	2080	990	2280	1082
885	434	1085	527	1285	621	1485	714	1685	807	1885	900	2085	992	2285	1085
890	436	1090	530	1290	623	1490	716	1690	809	1890	902	2090	994	2290	1087
895	438	1095	532	1295	625	1495	719	1695	811	1895	904	2095	997	2295	1089

TABLE 20

Table 20. In a paired test to declare the advertiser’s product unsurpassed at the 95% level relative to a competitor, the choice count for the advertiser’s product must equal or exceed the table counts at the sample sizes indicated. A lower limit of 0.45 is used to define equivalence.

<i>n</i>	Count	<i>n</i>	Count	<i>n</i>	Count	<i>n</i>	Count
100	54	300	150	500	244	700	338
105	57	305	153	505	247	705	340
110	59	310	155	510	249	710	342
115	62	315	157	515	251	715	345
120	64	320	160	520	254	720	347
125	66	325	162	525	256	725	349
130	69	330	164	530	258	730	352
135	71	335	167	535	261	735	354
140	74	340	169	540	263	740	356
145	76	345	171	545	265	745	359
150	79	350	174	550	268	750	361
155	81	355	176	555	270	755	363
160	83	360	179	560	272	760	366
165	86	365	181	565	275	765	368
170	88	370	183	570	277	770	370
175	91	375	186	575	279	775	373
180	93	380	188	580	282	780	375
185	95	385	190	585	284	785	377
190	98	390	193	590	286	790	380
195	100	395	195	595	289	795	382
200	103	400	197	600	291	800	384
205	105	405	200	605	293	805	386
210	107	410	202	610	296	810	389
215	110	415	204	615	298	815	391
220	112	420	207	620	300	820	393
225	115	425	209	625	303	825	396
230	117	430	211	630	305	830	398
235	119	435	214	635	307	835	400
240	122	440	216	640	310	840	403
245	124	445	219	645	312	845	405
250	126	450	221	650	314	850	407
255	129	455	223	655	317	855	410
260	131	460	226	660	319	860	412
265	134	465	228	665	321	865	414
270	136	470	230	670	324	870	417
275	138	475	233	675	326	875	419
280	141	480	235	680	328	880	421
285	143	485	237	685	331	885	424
290	145	490	240	690	333	890	426
295	148	495	242	695	335	895	428

TABLE 21

Table 21. In a paired test to declare the advertiser's product unsurpassed at the 99% level relative to a competitor, the choice count for the advertiser's product must equal or exceed the table counts at the sample sizes indicated. A lower limit of 0.45 is used to define equivalence.

<i>n</i>	Count	<i>n</i>	Count	<i>n</i>	Count	<i>n</i>	Count
100	58	300	156	500	252	700	347
105	60	305	159	505	254	705	349
110	63	310	161	510	257	710	351
115	65	315	163	515	259	715	354
120	68	320	166	520	261	720	356
125	70	325	168	525	264	725	358
130	73	330	171	530	266	730	361
135	75	335	173	535	269	735	363
140	78	340	175	540	271	740	366
145	80	345	178	545	273	745	368
150	83	350	180	550	276	750	370
155	85	355	183	555	278	755	373
160	88	360	185	560	280	760	375
165	90	365	187	565	283	765	377
170	93	370	190	570	285	770	380
175	95	375	192	575	288	775	382
180	98	380	195	580	290	780	384
185	100	385	197	585	292	785	387
190	102	390	199	590	295	790	389
195	105	395	202	595	297	795	391
200	107	400	204	600	299	800	394
205	110	405	207	605	302	805	396
210	112	410	209	610	304	810	398
215	115	415	211	615	307	815	401
220	117	420	214	620	309	820	403
225	120	425	216	625	311	825	406
230	122	430	219	630	314	830	408
235	125	435	221	635	316	835	410
240	127	440	223	640	318	840	413
245	129	445	226	645	321	845	415
250	132	450	228	650	323	850	417
255	134	455	230	655	325	855	420
260	137	460	233	660	328	860	422
265	139	465	235	665	330	865	424
270	142	470	238	670	333	870	427
275	144	475	240	675	335	875	429
280	146	480	242	680	337	880	431
285	149	485	245	685	340	885	434
290	151	490	247	690	342	890	436
295	154	495	250	695	344	895	438

TABLE 22

Table 22. Minimum choice counts required to support count-based proportional comparisons in a one-tailed test with 95% confidence. For a comparison “ m out of n ” use $P_{comp} = m/n$.

<i>n</i>	7 to 6	6 to 5	5 to 4	4 to 3	3 to 2	5 to 3	2 to 1	5 to 2	3 to 1	4 to 1	5 to 1
10	10	10	10	10	10	10	NA	NA	NA	NA	NA
20	17	17	17	17	18	18	19	20	20	NA	NA
30	23	24	24	24	25	26	27	28	29	30	30
40	30	30	30	31	32	33	34	36	37	38	39
50	36	36	37	38	39	40	42	44	45	47	48
60	42	43	43	44	46	47	49	52	53	56	57
70	48	49	49	50	52	54	57	59	61	64	66
80	54	55	56	57	59	61	64	67	70	73	75
90	60	61	62	63	66	68	71	75	78	81	84
100	66	67	68	70	72	75	78	83	86	90	92
110	72	73	74	76	79	81	86	90	94	98	101
120	78	79	80	82	85	88	93	98	102	107	110
130	84	85	86	88	92	95	100	105	110	115	119
140	90	91	92	94	98	102	107	113	118	124	127
150	96	97	98	101	105	108	114	121	125	132	136
160	102	103	104	107	111	115	121	128	133	140	145
170	108	109	110	113	118	122	128	136	141	149	153
180	113	115	116	119	124	128	135	143	149	157	162
190	119	121	122	125	131	135	143	151	157	165	171
200	125	126	128	131	137	142	150	158	165	174	179
210	131	132	134	138	143	148	157	166	173	182	188
220	137	138	140	144	150	155	164	173	181	190	197
230	142	144	146	150	156	162	171	181	188	199	205
240	148	150	152	156	162	168	178	188	196	207	214
250	154	156	158	162	169	175	185	196	204	215	223
260	160	161	164	168	175	181	192	203	212	224	231
270	165	167	170	174	182	188	199	211	220	232	240
280	171	173	176	180	188	195	206	218	227	240	248
290	177	179	182	186	194	201	213	226	235	248	257
300	183	185	188	192	201	208	220	233	243	257	265
325	197	199	202	207	216	224	237	252	263	277	287
350	211	213	217	222	232	241	255	270	282	298	308
375	225	228	232	237	248	257	272	289	301	319	330
400	240	242	246	252	264	273	289	307	321	339	351
450	268	271	275	282	295	306	324	344	359	380	394
500	296	300	305	312	326	338	359	381	398	421	437
600	352	357	363	372	389	403	428	455	475	503	522
700	409	413	420	431	451	468	496	528	552	585	607
800	464	470	478	491	513	533	565	602	629	667	692
900	520	527	536	550	575	597	634	675	706	748	776
1,000	576	583	593	609	637	661	702	748	782	830	861

TABLE 23

Table 23. Minimum choice counts required to support count-based proportional comparisons in a one-tailed test with 99% confidence. For a comparison “ m out of n ” use $P_{comp} = m/n$.

<i>n</i>	0.5	0.55	0.6	0.65	0.7	0.75	0.8	0.85	0.9	0.95	0.99
10	10	10	10	NA	NA	NA	NA	NA	NA	NA	NA
20	16	17	18	19	19	20	NA	NA	NA	NA	NA
30	22	24	25	26	27	29	30	30	NA	NA	NA
40	28	30	32	34	35	37	38	40	NA	NA	NA
50	34	37	39	41	43	45	47	49	50	NA	NA
60	40	43	46	48	51	53	56	58	60	NA	NA
70	46	49	52	56	59	61	64	67	69	NA	NA
80	51	55	59	63	66	70	73	76	79	NA	NA
90	57	61	66	70	74	78	81	85	88	90	NA
100	63	67	72	77	81	86	90	94	97	100	NA
110	68	74	79	84	89	94	98	103	107	110	NA
120	74	80	85	91	96	102	107	112	116	120	NA
130	79	86	92	98	104	110	115	120	125	129	NA
140	85	92	98	105	111	118	124	129	135	139	NA
150	90	98	105	112	119	125	132	138	144	149	NA
160	96	104	111	119	126	133	140	147	153	159	NA
170	101	109	118	126	134	141	149	156	162	168	NA
180	107	115	124	133	141	149	157	165	172	178	NA
190	112	121	131	140	148	157	165	173	181	188	NA
200	117	127	137	146	156	165	174	182	190	197	NA
210	123	133	143	153	163	173	182	191	199	207	NA
220	128	139	150	160	170	181	190	200	209	217	NA
230	134	145	156	167	178	188	199	209	218	226	NA
240	139	151	162	174	185	196	207	217	227	236	NA
250	144	157	169	181	193	204	215	226	236	246	NA
260	150	163	175	188	200	212	224	235	246	255	NA
270	155	168	182	194	207	220	232	244	255	265	NA
280	160	174	188	201	215	227	240	252	264	275	NA
290	166	180	194	208	222	235	248	261	273	284	NA
300	171	186	201	215	229	243	257	270	282	294	NA
325	184	201	216	232	247	263	277	292	305	318	NA
350	198	215	232	249	266	282	298	313	328	342	NA
375	211	230	248	266	284	301	319	335	351	366	NA
400	224	244	264	283	302	321	339	357	374	390	NA
450	251	273	295	317	338	359	380	401	420	439	NA
500	277	302	326	351	375	398	421	444	466	487	500
600	329	359	389	418	447	475	503	531	557	583	600
700	382	417	451	485	519	552	585	617	649	679	699
800	434	474	513	552	591	629	667	704	740	775	799
900	486	531	575	619	663	706	748	790	831	871	898
1,000	538	588	637	686	734	782	830	877	922	966	998

TABLE 24

Table 24. Minimum choice counts required to support count-based ratio comparisons in a one-tailed test with 95% confidence, m to n .

n	7 to 6	6 to 5	5 to 4	4 to 3	3 to 2	5 to 3	2 to 1	5 to 2	3 to 1	4 to 1	5 to 1
10	9	9	9	9	9	10	10	10	NA	NA	NA
20	15	16	16	16	17	17	18	18	19	20	20
30	22	22	22	23	23	24	25	26	27	28	29
40	28	28	28	29	30	31	32	34	35	37	38
50	34	34	35	35	37	38	40	42	43	45	47
60	40	40	41	42	43	45	47	49	51	54	56
70	46	46	47	48	50	51	54	57	59	62	64
80	51	52	53	54	56	58	61	65	67	71	73
90	57	58	59	60	63	65	68	72	75	79	82
100	63	64	65	66	69	71	75	80	83	87	90
110	69	70	71	72	75	78	82	87	91	96	99
120	75	75	77	78	82	85	89	95	99	104	108
130	80	81	82	85	88	91	96	102	106	112	116
140	86	87	88	91	94	98	103	110	114	121	125
150	92	93	94	97	101	104	110	117	122	129	133
160	97	99	100	103	107	111	117	125	130	137	142
170	103	104	106	109	113	118	124	132	138	145	150
180	109	110	112	115	120	124	131	139	145	154	159
190	115	116	118	121	126	131	138	147	153	162	168
200	120	122	124	127	132	137	145	154	161	170	176
210	126	127	129	133	139	144	152	162	169	178	185
220	132	133	135	139	145	150	159	169	176	187	193
230	137	139	141	145	151	157	166	176	184	195	202
240	143	145	147	151	157	163	173	184	192	203	210
250	149	150	153	157	164	170	180	191	200	211	219
260	154	156	159	163	170	176	187	199	207	219	227
270	160	162	164	169	176	183	194	206	215	228	236
280	165	167	170	175	182	189	201	213	223	236	244
290	171	173	176	181	189	196	207	221	230	244	253
300	177	179	182	186	195	202	214	228	238	252	261
325	191	193	196	201	210	218	232	246	257	273	283
350	205	207	211	216	226	235	249	265	277	293	304
375	219	221	225	231	242	251	266	283	296	314	325
400	233	236	240	246	257	267	283	301	315	334	346
450	261	264	268	275	288	299	317	338	353	375	389
500	289	292	297	305	319	331	352	375	392	416	431
600	344	348	354	364	381	395	420	448	468	497	516
700	400	404	411	422	442	459	488	521	545	578	600
800	455	460	469	481	504	523	556	593	621	659	685
900	510	516	525	540	565	587	624	666	697	741	769
1,000	565	572	582	598	626	651	692	739	773	822	854

TABLE 25

Table 25. Minimum choice counts required to support count-based ratio comparisons in a one-tailed test with 99% confidence, m to n .

n	7 to 6	6 to 5	5 to 4	4 to 3	3 to 2	5 to 3	2 to 1	5 to 2	3 to 1	4 to 1	5 to 1
10	10	10	10	10	10	10	NA	NA	NA	NA	NA
20	17	17	17	17	18	18	19	20	20	NA	NA
30	23	24	24	24	25	26	27	28	29	30	30
40	30	30	30	31	32	33	34	36	37	38	39
50	36	36	37	38	39	40	42	44	45	47	48
60	42	43	43	44	46	47	49	52	53	56	57
70	48	49	49	50	52	54	57	59	61	64	66
80	54	55	56	57	59	61	64	67	70	73	75
90	60	61	62	63	66	68	71	75	78	81	84
100	66	67	68	70	72	75	78	83	86	90	92
110	72	73	74	76	79	81	86	90	94	98	101
120	78	79	80	82	85	88	93	98	102	107	110
130	84	85	86	88	92	95	100	105	110	115	119
140	90	91	92	94	98	102	107	113	118	124	127
150	96	97	98	101	105	108	114	121	125	132	136
160	102	103	104	107	111	115	121	128	133	140	145
170	108	109	110	113	118	122	128	136	141	149	153
180	113	115	116	119	124	128	135	143	149	157	162
190	119	121	122	125	131	135	143	151	157	165	171
200	125	126	128	131	137	142	150	158	165	174	179
210	131	132	134	138	143	148	157	166	173	182	188
220	137	138	140	144	150	155	164	173	181	190	197
230	142	144	146	150	156	162	171	181	188	199	205
240	148	150	152	156	162	168	178	188	196	207	214
250	154	156	158	162	169	175	185	196	204	215	223
260	160	161	164	168	175	181	192	203	212	224	231
270	165	167	170	174	182	188	199	211	220	232	240
280	171	173	176	180	188	195	206	218	227	240	248
290	177	179	182	186	194	201	213	226	235	248	257
300	183	185	188	192	201	208	220	233	243	257	265
325	197	199	202	207	216	224	237	252	263	277	287
350	211	213	217	222	232	241	255	270	282	298	308
375	225	228	232	237	248	257	272	289	301	319	330
400	240	242	246	252	264	273	289	307	321	339	351
450	268	271	275	282	295	306	324	344	359	380	394
500	296	300	305	312	326	338	359	381	398	421	437
600	352	357	363	372	389	403	428	455	475	503	522
700	409	413	420	431	451	468	496	528	552	585	607
800	464	470	478	491	513	533	565	602	629	667	692
900	520	527	536	550	575	597	634	675	706	748	776
1,000	576	583	593	609	637	661	702	748	782	830	861

TABLE 26

Table 26. Tail Areas of the Unit Normal Distribution

Prob	z	Prob	z	Prob	z	Prob	z	Prob	z	Prob	z	Prob	z
0.0025	-2.807	0.1450	-1.058	0.2875	-0.561	0.4300	-0.176	0.5725	0.183	0.7150	0.568	0.8575	1.069
0.0050	-2.576	0.1475	-1.047	0.2900	-0.553	0.4325	-0.170	0.5750	0.189	0.7175	0.575	0.8600	1.080
0.0075	-2.432	0.1500	-1.036	0.2925	-0.546	0.4350	-0.164	0.5775	0.196	0.7200	0.583	0.8625	1.092
0.0100	-2.326	0.1525	-1.026	0.2950	-0.539	0.4375	-0.157	0.5800	0.202	0.7225	0.590	0.8650	1.103
0.0125	-2.241	0.1550	-1.015	0.2975	-0.532	0.4400	-0.151	0.5825	0.208	0.7250	0.598	0.8675	1.115
0.0150	-2.170	0.1575	-1.005	0.3000	-0.524	0.4425	-0.145	0.5850	0.215	0.7275	0.605	0.8700	1.126
0.0175	-2.108	0.1600	-0.994	0.3025	-0.517	0.4450	-0.138	0.5875	0.221	0.7300	0.613	0.8725	1.138
0.0200	-2.054	0.1625	-0.984	0.3050	-0.510	0.4475	-0.132	0.5900	0.228	0.7325	0.620	0.8750	1.150
0.0225	-2.005	0.1650	-0.974	0.3075	-0.503	0.4500	-0.126	0.5925	0.234	0.7350	0.628	0.8775	1.163
0.0250	-1.960	0.1675	-0.964	0.3100	-0.496	0.4525	-0.119	0.5950	0.240	0.7375	0.636	0.8800	1.175
0.0275	-1.919	0.1700	-0.954	0.3125	-0.489	0.4550	-0.113	0.5975	0.247	0.7400	0.643	0.8825	1.188
0.0300	-1.881	0.1725	-0.944	0.3150	-0.482	0.4575	-0.107	0.6000	0.253	0.7425	0.651	0.8850	1.200
0.0325	-1.845	0.1750	-0.935	0.3175	-0.475	0.4600	-0.100	0.6025	0.260	0.7450	0.659	0.8875	1.213
0.0350	-1.812	0.1775	-0.925	0.3200	-0.468	0.4625	-0.094	0.6050	0.266	0.7475	0.667	0.8900	1.227
0.0375	-1.780	0.1800	-0.915	0.3225	-0.461	0.4650	-0.088	0.6075	0.273	0.7500	0.674	0.8925	1.240
0.0400	-1.751	0.1825	-0.906	0.3250	-0.454	0.4675	-0.082	0.6100	0.279	0.7525	0.682	0.8950	1.254
0.0425	-1.722	0.1850	-0.896	0.3275	-0.447	0.4700	-0.075	0.6125	0.286	0.7550	0.690	0.8975	1.267
0.0450	-1.695	0.1875	-0.887	0.3300	-0.440	0.4725	-0.069	0.6150	0.292	0.7575	0.698	0.9000	1.282
0.0475	-1.670	0.1900	-0.878	0.3325	-0.433	0.4750	-0.063	0.6175	0.299	0.7600	0.706	0.9025	1.296
0.0500	-1.645	0.1925	-0.869	0.3350	-0.426	0.4775	-0.056	0.6200	0.305	0.7625	0.714	0.9050	1.311
0.0525	-1.621	0.1950	-0.860	0.3375	-0.419	0.4800	-0.050	0.6225	0.312	0.7650	0.722	0.9075	1.326
0.0550	-1.598	0.1975	-0.851	0.3400	-0.412	0.4825	-0.044	0.6250	0.319	0.7675	0.731	0.9100	1.341
0.0575	-1.576	0.2000	-0.842	0.3425	-0.406	0.4850	-0.038	0.6275	0.325	0.7700	0.739	0.9125	1.356
0.0600	-1.555	0.2025	-0.833	0.3450	-0.399	0.4875	-0.031	0.6300	0.332	0.7725	0.747	0.9150	1.372
0.0625	-1.534	0.2050	-0.824	0.3475	-0.392	0.4900	-0.025	0.6325	0.338	0.7750	0.755	0.9175	1.388
0.0650	-1.514	0.2075	-0.815	0.3500	-0.385	0.4925	-0.019	0.6350	0.345	0.7775	0.764	0.9200	1.405
0.0675	-1.495	0.2100	-0.806	0.3525	-0.379	0.4950	-0.013	0.6375	0.352	0.7800	0.772	0.9225	1.422
0.0700	-1.476	0.2125	-0.798	0.3550	-0.372	0.4975	-0.006	0.6400	0.358	0.7825	0.781	0.9250	1.440
0.0725	-1.457	0.2150	-0.789	0.3575	-0.365	0.5000	0.000	0.6425	0.365	0.7850	0.789	0.9275	1.457
0.0750	-1.440	0.2175	-0.781	0.3600	-0.358	0.5025	0.006	0.6450	0.372	0.7875	0.798	0.9300	1.476
0.0775	-1.422	0.2200	-0.772	0.3625	-0.352	0.5050	0.013	0.6475	0.379	0.7900	0.806	0.9325	1.495
0.0800	-1.405	0.2225	-0.764	0.3650	-0.345	0.5075	0.019	0.6500	0.385	0.7925	0.815	0.9350	1.514
0.0825	-1.388	0.2250	-0.755	0.3675	-0.338	0.5100	0.025	0.6525	0.392	0.7950	0.824	0.9375	1.534
0.0850	-1.372	0.2275	-0.747	0.3700	-0.332	0.5125	0.031	0.6550	0.399	0.7975	0.833	0.9400	1.555
0.0875	-1.356	0.2300	-0.739	0.3725	-0.325	0.5150	0.038	0.6575	0.406	0.8000	0.842	0.9425	1.576
0.0900	-1.341	0.2325	-0.731	0.3750	-0.319	0.5175	0.044	0.6600	0.412	0.8025	0.851	0.9450	1.598
0.0925	-1.326	0.2350	-0.722	0.3775	-0.312	0.5200	0.050	0.6625	0.419	0.8050	0.860	0.9475	1.621
0.0950	-1.311	0.2375	-0.714	0.3800	-0.305	0.5225	0.056	0.6650	0.426	0.8075	0.869	0.9500	1.645
0.0975	-1.296	0.2400	-0.706	0.3825	-0.299	0.5250	0.063	0.6675	0.433	0.8100	0.878	0.9525	1.670
0.1000	-1.282	0.2425	-0.698	0.3850	-0.292	0.5275	0.069	0.6700	0.440	0.8125	0.887	0.9550	1.695
0.1025	-1.267	0.2450	-0.690	0.3875	-0.286	0.5300	0.075	0.6725	0.447	0.8150	0.896	0.9575	1.722
0.1050	-1.254	0.2475	-0.682	0.3900	-0.279	0.5325	0.082	0.6750	0.454	0.8175	0.906	0.9600	1.751
0.1075	-1.240	0.2500	-0.674	0.3925	-0.273	0.5350	0.088	0.6775	0.461	0.8200	0.915	0.9625	1.780
0.1100	-1.227	0.2525	-0.667	0.3950	-0.266	0.5375	0.094	0.6800	0.468	0.8225	0.925	0.9650	1.812
0.1125	-1.213	0.2550	-0.659	0.3975	-0.260	0.5400	0.100	0.6825	0.475	0.8250	0.935	0.9675	1.845
0.1150	-1.200	0.2575	-0.651	0.4000	-0.253	0.5425	0.107	0.6850	0.482	0.8275	0.944	0.9700	1.881
0.1175	-1.188	0.2600	-0.643	0.4025	-0.247	0.5450	0.113	0.6875	0.489	0.8300	0.954	0.9725	1.919
0.1200	-1.175	0.2625	-0.636	0.4050	-0.240	0.5475	0.119	0.6900	0.496	0.8325	0.964	0.9750	1.960
0.1225	-1.163	0.2650	-0.628	0.4075	-0.234	0.5500	0.126	0.6925	0.503	0.8350	0.974	0.9775	2.005
0.1250	-1.150	0.2675	-0.620	0.4100	-0.228	0.5525	0.132	0.6950	0.510	0.8375	0.984	0.9800	2.054
0.1275	-1.138	0.2700	-0.613	0.4125	-0.221	0.5550	0.138	0.6975	0.517	0.8400	0.994	0.9825	2.108
0.1300	-1.126	0.2725	-0.605	0.4150	-0.215	0.5575	0.145	0.7000	0.524	0.8425	1.005	0.9850	2.170
0.1325	-1.115	0.2750	-0.598	0.4175	-0.208	0.5600	0.151	0.7025	0.532	0.8450	1.015	0.9875	2.241
0.1350	-1.103	0.2775	-0.590	0.4200	-0.202	0.5625	0.157	0.7050	0.539	0.8475	1.026	0.9900	2.326
0.1375	-1.092	0.2800	-0.583	0.4225	-0.196	0.5650	0.164	0.7075	0.546	0.8500	1.036	0.9925	2.432
0.1400	-1.080	0.2825	-0.575	0.4250	-0.189	0.5675	0.170	0.7100	0.553	0.8525	1.047	0.9950	2.576
0.1425	-1.069	0.2850	-0.568	0.4275	-0.183	0.5700	0.176	0.7125	0.561	0.8550	1.058	0.9975	2.807

TABLE 27Table 27. **Same-Different Method: Probability of a "Same" Response ($\times 10^4$) as a Function of τ**

τ	0.00	0.01	0.02	0.03	0.04	0.05	0.06	0.07	0.08	0.09
0.0	NA	56	113	169	226	282	338	395	451	507
0.1	564	620	676	732	789	845	901	957	1013	1069
0.2	1125	1181	1236	1292	1348	1403	1459	1514	1570	1625
0.3	1680	1735	1790	1845	1900	1955	2009	2064	2118	2173
0.4	2227	2281	2335	2389	2443	2497	2550	2604	2657	2710
0.5	2763	2816	2869	2922	2974	3027	3079	3131	3183	3235
0.6	3286	3338	3389	3440	3491	3542	3593	3643	3694	3744
0.7	3794	3844	3893	3943	3992	4041	4090	4139	4187	4236
0.8	4284	4332	4380	4427	4475	4522	4569	4616	4662	4709
0.9	4755	4801	4847	4892	4937	4983	5028	5072	5117	5161
1.0	5205	5249	5292	5336	5379	5422	5465	5507	5549	5591
1.1	5633	5675	5716	5757	5798	5839	5879	5919	5959	5999
1.2	6039	6078	6117	6156	6194	6232	6271	6308	6346	6383
1.3	6420	6457	6494	6530	6566	6602	6638	6673	6708	6743
1.4	6778	6812	6847	6881	6914	6948	6981	7014	7047	7079
1.5	7112	7144	7175	7207	7238	7269	7300	7331	7361	7391
1.6	7421	7451	7480	7509	7538	7567	7595	7623	7651	7679
1.7	7707	7734	7761	7788	7814	7841	7867	7893	7918	7944
1.8	7969	7994	8019	8043	8068	8092	8116	8139	8163	8186
1.9	8209	8232	8254	8277	8299	8321	8342	8364	8385	8406
2.0	8421	8448	8468	8488	8508	8528	8548	8567	8587	8606
2.1	8624	8643	8661	8680	8698	8716	8733	8751	8768	8785
2.2	8802	8819	8835	8852	8868	8884	8900	8915	8931	8946
2.3	8961	8976	8991	9006	9020	9034	9048	9062	9076	9090
2.4	9103	9116	9130	9143	9155	9168	9181	9193	9205	9217
2.5	9229	9241	9252	9264	9275	9286	9297	9308	9319	9330
2.6	9340	9350	9361	9371	9381	9390	9400	9410	9419	9428
2.7	9438	9447	9456	9464	9473	9482	9490	9499	9507	9515
2.8	9523	9531	9539	9546	9554	9561	9569	9576	9583	9590
2.9	9597	9604	9611	9617	9624	9630	9637	9643	9649	9655
3.0	9661	9667	9673	9678	9684	9690	9695	9701	9706	9711
3.1	9716	9721	9726	9731	9736	9741	9745	9750	9755	9759
3.2	9763	9768	9772	9776	9780	9784	9788	9792	9796	9800
3.3	9804	9807	9811	9815	9818	9822	9825	9828	9832	9835
3.4	9838	9841	9844	9847	9850	9853	9856	9859	9861	9864
3.5	9867	9869	9872	9874	9877	9879	9882	9884	9886	9889



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