

Appendix G

VALUES OF THE CORRELATION COEFFICIENT
FOR DIFFERENT LEVELS OF SIGNIFICANCE*

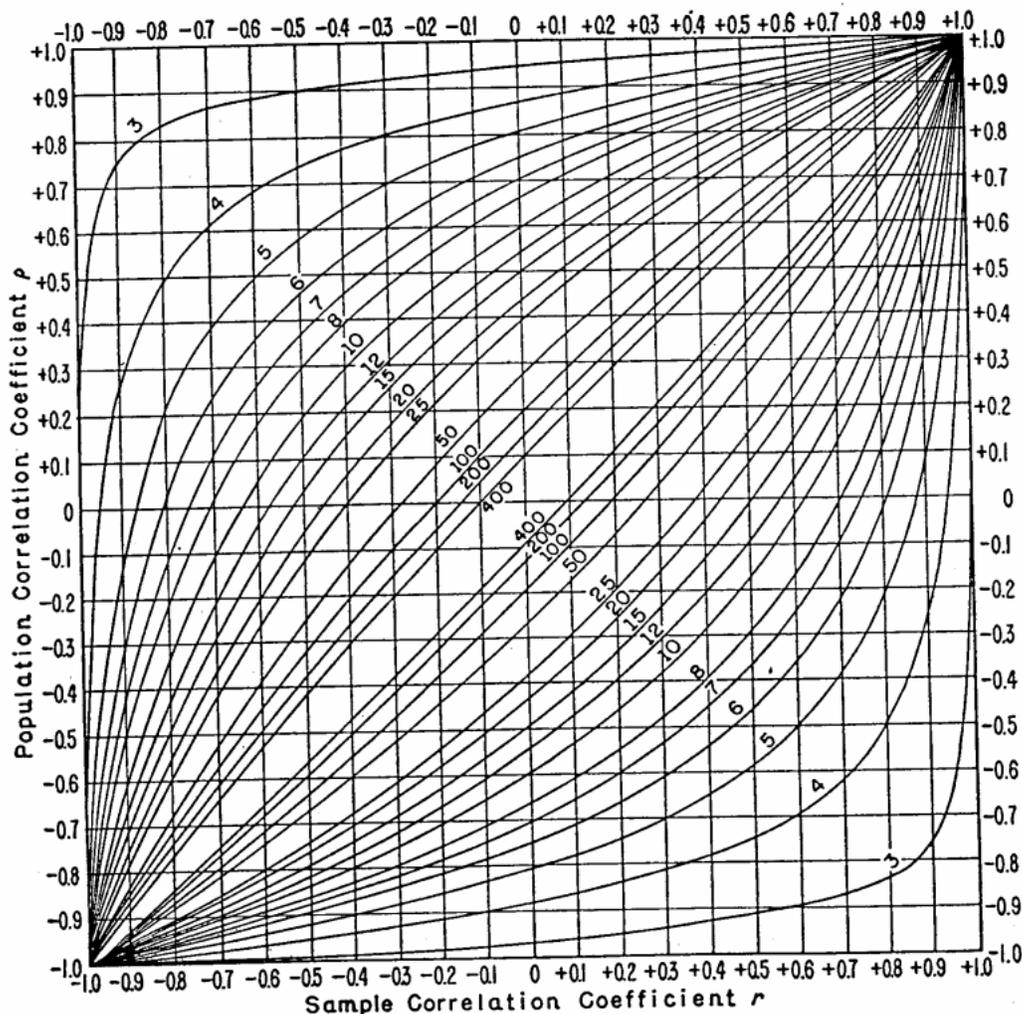
n	.05	.02	.01
1	.996917	.9995066	.9998766
2	.95000	.98000	.990000
3	.8783	.93433	.95873
4	.8114	.8822	.91720
5	.7545	.8329	.8745
6	.7067	.7887	.8343
7	.6664	.7498	.7977
8	.6319	.7155	.7646
9	.6021	.6851	.7348
10	.5760	.6581	.7079
11	.5529	.6339	.6835
12	.5324	.6120	.6614
13	.5139	.5923	.6411
14	.4973	.5742	.6226
15	.4821	.5577	.6055
16	.4683	.5425	.5897
17	.4555	.5285	.5751
18	.4438	.5155	.5614
19	.4329	.5034	.5487
20	.4227	.4921	.5368
25	.3809	.4451	.4869
30	.3494	.4093	.4487
35	.3246	.3810	.4182
40	.3044	.3578	.3932
45	.2875	.3384	.3721
50	.2732	.3218	.3541
60	.2500	.2948	.3248
70	.2319	.2737	.3017
80	.2172	.2565	.2830
90	.2050	.2422	.2673
100	.1946	.2301	.2540

*This table is reprinted from Table V-A of Fisher: *Statistical Methods for Research Workers*, published by Oliver and Boyd Ltd., Edinburgh, by permission of the author and publishers.

For simple correlation, n is 2 less than the number of pairs in the sample; for partial correlation, the number of secondary subscripts also should be subtracted.

Appendix H

CHART OF THE 95 PER CENT CONFIDENCE LIMITS
FOR THE COEFFICIENT OF CORRELATION



Ninety-five per cent confidence bands for ρ . (The numbers on the curves indicate sample size.) From F. N. David, *Tables of the Ordinates and Probability Integral of the Distribution of the Correlation Coefficient in Small Samples* (London: The Biometrika Office, 1938). By permission of The Biometrika Office.

Appendix I

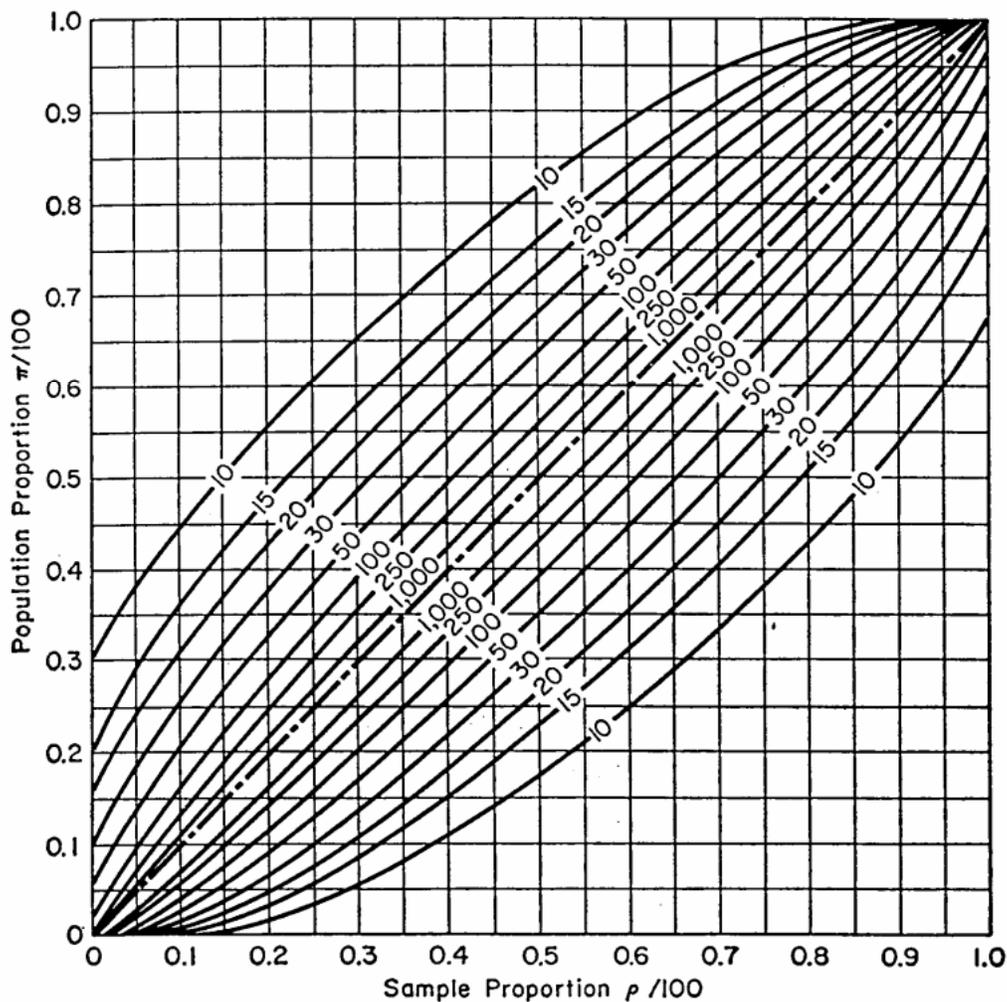
TABLE OF VALUES OF r FOR VALUES OF z *

z	.00	.01	.02	.03	.04	.05	.06	.07	.08	.09
.0	.0000	.0100	.0200	.0300	.0400	.0500	.0599	.0699	.0798	.0898
.1	.0997	.1096	.1194	.1293	.1391	.1489	.1587	.1684	.1781	.1878
.2	.1974	.2070	.2165	.2260	.2355	.2449	.2543	.2636	.2729	.2821
.3	.2913	.3004	.3095	.3185	.3275	.3364	.3452	.3540	.3627	.3714
.4	.3800	.3885	.3969	.4053	.4136	.4219	.4301	.4382	.4462	.4542
.5	.4621	.4700	.4777	.4854	.4930	.5005	.5080	.5154	.5227	.5299
.6	.5370	.5441	.5511	.5581	.5649	.5717	.5784	.5850	.5915	.5980
.7	.6044	.6107	.6169	.6231	.6291	.6352	.6411	.6469	.6527	.6584
.8	.6640	.6696	.6751	.6805	.6858	.6911	.6963	.7014	.7064	.7114
.9	.7163	.7211	.7259	.7306	.7352	.7398	.7443	.7487	.7531	.7574
1.0	.7616	.7658	.7699	.7739	.7779	.7818	.7857	.7895	.7932	.7969
1.1	.8005	.8041	.8076	.8110	.8144	.8178	.8210	.8243	.8275	.8306
1.2	.8337	.8367	.8397	.8426	.8455	.8483	.8511	.8538	.8565	.8591
1.3	.8617	.8643	.8668	.8693	.8717	.8741	.8764	.8787	.8810	.8832
1.4	.8854	.8875	.8896	.8917	.8937	.8957	.8977	.8996	.9015	.9033
1.5	.9052	.9069	.9087	.9104	.9121	.9138	.9154	.9170	.9186	.9202
1.6	.9217	.9232	.9246	.9261	.9275	.9289	.9302	.9316	.9329	.9342
1.7	.9354	.9367	.9379	.9391	.9402	.9414	.9425	.9436	.9447	.9458
1.8	.9468	.9478	.9498	.9488	.9508	.9518	.9527	.9536	.9545	.9554
1.9	.9562	.9571	.9579	.9587	.9595	.9603	.9611	.9619	.9626	.9633
2.0	.9640	.9647	.9654	.9661	.9668	.9674	.9680	.9687	.9693	.9699
2.1	.9705	.9710	.9716	.9722	.9727	.9732	.9738	.9743	.9748	.9753
2.2	.9757	.9762	.9767	.9771	.9776	.9780	.9785	.9789	.9793	.9797
2.3	.9801	.9805	.9809	.9812	.9816	.9820	.9823	.9827	.9830	.9834
2.4	.9837	.9840	.9843	.9846	.9849	.9852	.9855	.9858	.9861	.9863
2.5	.9866	.9869	.9871	.9874	.9876	.9879	.9881	.9884	.9886	.9888
2.6	.9890	.9892	.9895	.9897	.9899	.9901	.9903	.9905	.9906	.9908
2.7	.9910	.9912	.9914	.9915	.9917	.9919	.9920	.9922	.9923	.9925
2.8	.9926	.9928	.9929	.9931	.9932	.9933	.9935	.9936	.9937	.9938
2.9	.9940	.9941	.9942	.9943	.9944	.9945	.9946	.9947	.9949	.9950
3.0	.9951									
4.0	.9993									
5.0	.9999									

* This table is reprinted from Table V-B of Fisher: Statistical Methods for Research Workers, published by Oliver and Boyd, Ltd., Edinburgh, by permission of the author and publishers.

Appendix J

CHART OF THE 95 PER CENT CONFIDENCE LIMITS
FOR PROPORTIONS OR PERCENTAGES



Confidence bands for π . (The numbers on the curves indicate sample size.)
From C. J. Clopper and E. S. Pearson, "The Use of Confidence or Fiducial
Limits Illustrated in the Case of the Binomial," *Biometrika*, 26 (1934). By per-
mission of The Biometrika Office.

Appendix K

TABLE OF VALUES OF e^{-m}

m	e^{-m}	m	e^{-m}
0.0	1.00000	2.5	.08208
0.1	.90484	2.6	.07427
0.2	.81873	2.7	.06721
0.3	.74082	2.8	.06081
0.4	.67032	2.9	.05502
0.5	.60653	3.0	.04979
0.6	.54881	3.2	.04076
0.7	.49659	3.4	.03337
0.8	.44933	3.6	.02732
0.9	.40657	3.8	.02237
1.0	.36788	4.0	.01832
1.1	.33287	4.2	.01500
1.2	.30119	4.4	.01228
1.3	.27253	4.6	.01005
1.4	.24660	4.8	.00823
1.5	.22313	5.0	.00674
1.6	.20190	5.5	.00409
1.7	.18268	6.0	.00248
1.8	.16530	6.5	.00150
1.9	.14957	7.0	.00091
2.0	.13534	7.5	.00055
2.1	.12246	8.0	.00034
2.2	.11080	8.5	.00020
2.3	.10026	9.0	.00012
2.4	.09072	10.0	.00005

Appendix L

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TABLE OF THE POISSON DISTRIBUTION*

Values of $e^{-m} \frac{m^x}{x!}$

		m									
X		0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0
0		.9048	.8187	.7408	.6703	.6065	.5488	.4966	.4493	.4066	.3679
1		.0905	.1637	.2222	.2681	.3033	.3293	.3476	.3595	.3659	.3679
2		.0045	.0164	.0333	.0536	.0758	.0988	.1217	.1438	.1647	.1839
3		.0002	.0011	.0033	.0072	.0126	.0198	.0284	.0383	.0494	.0613
4		.0000	.0001	.0002	.0007	.0016	.0030	.0050	.0077	.0111	.0153
5		.0000	.0000	.0000	.0001	.0002	.0004	.0007	.0012	.0020	.0031
6		.0000	.0000	.0000	.0000	.0000	.0000	.0001	.0002	.0003	.0005
7		.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0001

		m									
X		1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0
0		.3329	.3012	.2725	.2466	.2231	.2019	.1827	.1653	.1496	.1353
1		.3662	.3614	.3543	.3452	.3347	.3230	.3106	.2975	.2842	.2707
2		.2014	.2169	.2303	.2417	.2510	.2584	.2640	.2678	.2700	.2707
3		.0738	.0867	.0998	.1128	.1255	.1378	.1496	.1607	.1710	.1804
4		.0203	.0260	.0324	.0395	.0471	.0551	.0636	.0723	.0812	.0902
5		.0045	.0062	.0084	.0111	.0141	.0176	.0216	.0260	.0309	.0361
6		.0008	.0012	.0018	.0026	.0035	.0047	.0061	.0078	.0098	.0120
7		.0001	.0002	.0003	.0005	.0008	.0011	.0015	.0020	.0027	.0034
8		.0000	.0000	.0001	.0001	.0001	.0002	.0003	.0005	.0006	.0009
9		.0000	.0000	.0000	.0000	.0000	.0000	.0001	.0001	.0001	.0002

		m									
X		2.1	2.2	2.3	2.4	2.5	2.6	2.7	2.8	2.9	3.0
0		.1225	.1108	.1003	.0907	.0821	.0743	.0672	.0608	.0550	.0498
1		.2572	.2438	.2306	.2177	.2052	.1931	.1815	.1703	.1596	.1494
2		.2700	.2681	.2652	.2613	.2565	.2510	.2450	.2384	.2314	.2240
3		.1890	.1966	.2033	.2090	.2138	.2176	.2205	.2225	.2237	.2240
4		.0992	.1082	.1169	.1254	.1336	.1414	.1488	.1557	.1622	.1680
5		.0417	.0476	.0538	.0602	.0668	.0735	.0804	.0872	.0940	.1008
6		.0146	.0174	.0206	.0241	.0278	.0319	.0362	.0407	.0455	.0504
7		.0044	.0055	.0068	.0083	.0099	.0118	.0139	.0163	.0188	.0216
8		.0011	.0015	.0019	.0025	.0031	.0038	.0047	.0057	.0068	.0081
9		.0003	.0004	.0005	.0007	.0009	.0011	.0014	.0018	.0022	.0027
10		.0001	.0001	.0001	.0002	.0002	.0003	.0004	.0005	.0006	.0008
11		.0000	.0000	.0000	.0000	.0000	.0001	.0001	.0001	.0002	.0002
12		.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0001

		m									
X		3.1	3.2	3.3	3.4	3.5	3.6	3.7	3.8	3.9	4.0
0		.0450	.0408	.0369	.0334	.0302	.0273	.0247	.0224	.0202	.0183
1		.1397	.1304	.1217	.1135	.1057	.0984	.0915	.0850	.0789	.0733
2		.2165	.2087	.2008	.1929	.1850	.1771	.1692	.1615	.1539	.1465
3		.2237	.2226	.2209	.2186	.2158	.2125	.2087	.2046	.2001	.1954
4		.1734	.1781	.1823	.1858	.1888	.1912	.1931	.1944	.1951	.1954
5		.1075	.1140	.1203	.1264	.1322	.1377	.1429	.1477	.1522	.1563
6		.0555	.0608	.0662	.0716	.0771	.0826	.0881	.0936	.0989	.1042
7		.0246	.0278	.0312	.0348	.0385	.0425	.0466	.0508	.0551	.0595
8		.0095	.0111	.0129	.0148	.0169	.0191	.0215	.0241	.0269	.0298
9		.0033	.0040	.0047	.0056	.0066	.0076	.0089	.0102	.0116	.0132
10		.0010	.0013	.0016	.0019	.0023	.0028	.0033	.0039	.0045	.0053
11		.0003	.0004	.0005	.0006	.0007	.0009	.0011	.0013	.0016	.0019
12		.0001	.0001	.0001	.0002	.0002	.0003	.0003	.0004	.0005	.0006
13		.0000	.0000	.0000	.0000	.0001	.0001	.0001	.0001	.0002	.0002
14		.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0001

* From Handbook of Probability and Statistics, by R. S. Burlington and D. C. May, Jr. Copyright, 1953. McGraw-Hill Book Co., Inc. Used by permission.

APPENDIX I

X	m									
	4.1	4.2	4.3	4.4	4.5	4.6	4.7	4.8	4.9	5.0
0	.0166	.0150	.0136	.0123	.0111	.0101	.0091	.0082	.0074	.0067
1	.0679	.0630	.0583	.0540	.0500	.0462	.0427	.0395	.0365	.0337
2	.1393	.1323	.1254	.1188	.1125	.1063	.1005	.0948	.0894	.0842
3	.1904	.1852	.1798	.1743	.1687	.1631	.1574	.1517	.1460	.1404
4	.1951	.1944	.1933	.1917	.1898	.1875	.1849	.1820	.1789	.1755
5	.1600	.1633	.1662	.1687	.1708	.1725	.1738	.1747	.1753	.1755
6	.1093	.1143	.1191	.1237	.1281	.1323	.1362	.1398	.1432	.1462
7	.0640	.0686	.0732	.0778	.0824	.0869	.0914	.0959	.1002	.1044
8	.0328	.0360	.0393	.0428	.0463	.0500	.0537	.0575	.0614	.0653
9	.0150	.0168	.0188	.0209	.0232	.0255	.0280	.0307	.0334	.0363
10	.0061	.0071	.0081	.0092	.0104	.0118	.0132	.0147	.0164	.0181
11	.0023	.0027	.0032	.0037	.0043	.0049	.0056	.0064	.0073	.0082
12	.0008	.0009	.0011	.0014	.0016	.0019	.0022	.0026	.0030	.0034
13	.0002	.0003	.0004	.0005	.0006	.0007	.0008	.0009	.0011	.0013
14	.0001	.0001	.0001	.0001	.0002	.0002	.0003	.0003	.0004	.0005
15	.0000	.0000	.0000	.0000	.0001	.0001	.0001	.0001	.0001	.0002

X	m									
	5.1	5.2	5.3	5.4	5.5	5.6	5.7	5.8	5.9	6.0
0	.0061	.0055	.0050	.0045	.0041	.0037	.0033	.0030	.0027	.0025
1	.0311	.0287	.0265	.0244	.0225	.0207	.0191	.0176	.0162	.0149
2	.0793	.0746	.0701	.0659	.0618	.0580	.0544	.0509	.0477	.0446
3	.1348	.1293	.1239	.1185	.1133	.1082	.1033	.0985	.0938	.0892
4	.1719	.1681	.1641	.1600	.1558	.1515	.1472	.1428	.1383	.1339
5	.1753	.1748	.1740	.1728	.1714	.1697	.1678	.1656	.1632	.1606
6	.1490	.1515	.1537	.1555	.1571	.1584	.1594	.1601	.1605	.1606
7	.1086	.1125	.1163	.1200	.1234	.1267	.1298	.1326	.1353	.1377
8	.0692	.0731	.0771	.0810	.0849	.0887	.0925	.0962	.0998	.1033
9	.0392	.0423	.0454	.0486	.0519	.0552	.0586	.0620	.0654	.0688
10	.0200	.0220	.0241	.0262	.0285	.0309	.0334	.0359	.0386	.0413
11	.0093	.0104	.0116	.0129	.0143	.0157	.0173	.0190	.0207	.0225
12	.0039	.0045	.0051	.0058	.0065	.0073	.0082	.0092	.0102	.0113
13	.0015	.0018	.0021	.0024	.0028	.0032	.0036	.0041	.0046	.0052
14	.0006	.0007	.0008	.0009	.0011	.0013	.0015	.0017	.0019	.0022
15	.0002	.0002	.0003	.0003	.0004	.0005	.0006	.0007	.0008	.0009
16	.0001	.0001	.0001	.0001	.0001	.0002	.0002	.0002	.0003	.0003
17	.0000	.0000	.0000	.0000	.0000	.0001	.0001	.0001	.0001	.0001

X	m									
	6.1	6.2	6.3	6.4	6.5	6.6	6.7	6.8	6.9	7.0
0	.0022	.0020	.0018	.0017	.0015	.0014	.0012	.0011	.0010	.0009
1	.0137	.0126	.0116	.0106	.0098	.0090	.0082	.0076	.0070	.0064
2	.0417	.0390	.0364	.0340	.0318	.0296	.0276	.0258	.0240	.0223
3	.0848	.0806	.0765	.0726	.0688	.0652	.0617	.0584	.0552	.0521
4	.1294	.1249	.1205	.1162	.1118	.1076	.1034	.0992	.0952	.0912
5	.1579	.1549	.1519	.1487	.1454	.1420	.1385	.1349	.1314	.1277
6	.1605	.1601	.1595	.1586	.1575	.1562	.1546	.1529	.1511	.1490
7	.1399	.1418	.1435	.1450	.1462	.1472	.1480	.1486	.1489	.1490
8	.1066	.1099	.1130	.1160	.1188	.1215	.1240	.1263	.1284	.1304
9	.0723	.0757	.0791	.0825	.0858	.0891	.0923	.0954	.0985	.1014
10	.0441	.0469	.0498	.0528	.0558	.0588	.0618	.0649	.0679	.0710
11	.0245	.0265	.0285	.0307	.0330	.0353	.0377	.0401	.0426	.0452
12	.0124	.0137	.0150	.0164	.0179	.0194	.0210	.0227	.0245	.0264
13	.0053	.0065	.0073	.0081	.0089	.0098	.0108	.0119	.0130	.0142
14	.0025	.0029	.0033	.0037	.0041	.0046	.0052	.0058	.0064	.0071
15	.0010	.0012	.0014	.0016	.0018	.0020	.0023	.0026	.0029	.0033
16	.0004	.0005	.0005	.0006	.0007	.0008	.0010	.0011	.0013	.0014
17	.0001	.0002	.0002	.0002	.0003	.0003	.0004	.0004	.0005	.0006
18	.0000	.0001	.0001	.0001	.0001	.0001	.0001	.0002	.0002	.0002
19	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0001	.0001	.0001

THE POISSON DISTRIBUTION

X	m									
	7.1	7.2	7.3	7.4	7.5	7.6	7.7	7.8	7.9	8.0
0	.0008	.0007	.0007	.0006	.0006	.0005	.0005	.0004	.0004	.0003
1	.0059	.0054	.0049	.0045	.0041	.0038	.0035	.0032	.0029	.0027
2	.0208	.0194	.0180	.0167	.0156	.0145	.0134	.0125	.0116	.0107
3	.0492	.0464	.0438	.0413	.0389	.0366	.0345	.0324	.0305	.0286
4	.0874	.0836	.0799	.0764	.0729	.0696	.0663	.0632	.0602	.0573
5	.1241	.1204	.1167	.1130	.1094	.1057	.1021	.0986	.0951	.0916
6	.1468	.1445	.1420	.1394	.1367	.1339	.1311	.1282	.1252	.1221
7	.1489	.1486	.1481	.1474	.1465	.1454	.1442	.1428	.1413	.1396
8	.1321	.1337	.1351	.1363	.1373	.1382	.1388	.1392	.1395	.1396
9	.1042	.1070	.1096	.1121	.1144	.1167	.1187	.1207	.1224	.1241
10	.0740	.0770	.0800	.0829	.0858	.0887	.0914	.0941	.0967	.0993
11	.0478	.0504	.0531	.0558	.0585	.0613	.0640	.0667	.0695	.0722
12	.0283	.0303	.0323	.0344	.0366	.0388	.0411	.0434	.0457	.0481
13	.0154	.0168	.0181	.0196	.0211	.0227	.0243	.0260	.0278	.0296
14	.0078	.0086	.0095	.0104	.0113	.0123	.0134	.0145	.0157	.0169
15	.0037	.0041	.0046	.0051	.0057	.0062	.0069	.0075	.0083	.0090
16	.0016	.0019	.0021	.0024	.0026	.0030	.0033	.0037	.0041	.0045
17	.0007	.0008	.0009	.0010	.0012	.0013	.0015	.0017	.0019	.0021
18	.0003	.0003	.0004	.0004	.0005	.0006	.0006	.0007	.0008	.0009
19	.0001	.0001	.0001	.0002	.0002	.0002	.0003	.0003	.0003	.0004
20	.0000	.0000	.0001	.0001	.0001	.0001	.0001	.0001	.0001	.0002
21	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0001	.0001

X	m									
	8.1	8.2	8.3	8.4	8.5	8.6	8.7	8.8	8.9	9.0
0	.0003	.0003	.0002	.0002	.0002	.0002	.0002	.0002	.0001	.0001
1	.0025	.0023	.0021	.0019	.0017	.0016	.0014	.0013	.0012	.0011
2	.0100	.0092	.0086	.0079	.0074	.0068	.0063	.0058	.0054	.0050
3	.0269	.0252	.0237	.0222	.0208	.0195	.0183	.0171	.0160	.0150
4	.0544	.0517	.0491	.0466	.0443	.0420	.0398	.0377	.0357	.0337
5	.0882	.0849	.0816	.0784	.0752	.0722	.0692	.0663	.0635	.0607
6	.1191	.1160	.1128	.1097	.1066	.1034	.1003	.0972	.0941	.0911
7	.1378	.1358	.1338	.1317	.1294	.1271	.1247	.1222	.1197	.1171
8	.1395	.1392	.1388	.1382	.1375	.1366	.1356	.1344	.1332	.1318
9	.1256	.1269	.1280	.1290	.1299	.1306	.1311	.1315	.1317	.1318
10	.1017	.1040	.1063	.1084	.1104	.1123	.1140	.1157	.1172	.1186
11	.0749	.0776	.0802	.0828	.0853	.0878	.0902	.0925	.0948	.0970
12	.0505	.0530	.0555	.0579	.0604	.0629	.0654	.0679	.0703	.0728
13	.0315	.0334	.0354	.0374	.0395	.0416	.0438	.0459	.0481	.0504
14	.0182	.0196	.0210	.0225	.0240	.0256	.0272	.0289	.0306	.0324
15	.0098	.0107	.0116	.0126	.0136	.0147	.0158	.0169	.0182	.0194
16	.0050	.0055	.0060	.0066	.0072	.0079	.0086	.0093	.0101	.0109
17	.0024	.0026	.0029	.0033	.0036	.0040	.0044	.0048	.0053	.0058
18	.0011	.0012	.0014	.0015	.0017	.0019	.0021	.0024	.0026	.0029
19	.0005	.0005	.0006	.0007	.0008	.0009	.0010	.0011	.0012	.0014
20	.0002	.0002	.0002	.0003	.0003	.0004	.0004	.0005	.0005	.0006
21	.0001	.0001	.0001	.0001	.0001	.0002	.0002	.0002	.0002	.0003
22	.0000	.0000	.0000	.0000	.0001	.0001	.0001	.0001	.0001	.0001

X	m									
	9.1	9.2	9.3	9.4	9.5	9.6	9.7	9.8	9.9	10
0	.0001	.0001	.0001	.0001	.0001	.0001	.0001	.0001	.0001	.0000
1	.0010	.0009	.0009	.0008	.0007	.0007	.0006	.0005	.0005	.0005
2	.0046	.0043	.0040	.0037	.0034	.0031	.0029	.0027	.0025	.0023
3	.0140	.0131	.0123	.0115	.0107	.0100	.0093	.0087	.0081	.0076
4	.0319	.0302	.0285	.0269	.0254	.0240	.0226	.0213	.0201	.0189
5	.0581	.0555	.0530	.0506	.0483	.0460	.0439	.0418	.0398	.0378
6	.0881	.0851	.0822	.0793	.0764	.0736	.0709	.0682	.0656	.0631
7	.1145	.1118	.1091	.1064	.1037	.1010	.0982	.0955	.0928	.0901
8	.1302	.1286	.1269	.1251	.1232	.1212	.1191	.1170	.1148	.1126
9	.1317	.1315	.1311	.1306	.1300	.1293	.1284	.1274	.1263	.1251

APPENDIX L

X	m									
	9.1	9.2	9.3	9.4	9.5	9.6	9.7	9.8	9.9	10
10	.1198	.1210	.1219	.1228	.1235	.1241	.1245	.1249	.1250	.1251
11	.0991	.1012	.1031	.1049	.1067	.1083	.1098	.1112	.1125	.1137
12	.0752	.0776	.0799	.0822	.0844	.0866	.0888	.0908	.0928	.0948
13	.0526	.0549	.0572	.0594	.0617	.0640	.0662	.0685	.0707	.0729
14	.0342	.0361	.0380	.0399	.0419	.0439	.0459	.0479	.0500	.0521
15	.0208	.0221	.0235	.0250	.0265	.0281	.0297	.0313	.0330	.0347
16	.0118	.0127	.0137	.0147	.0157	.0168	.0180	.0192	.0204	.0217
17	.0063	.0069	.0075	.0081	.0088	.0095	.0103	.0111	.0119	.0128
18	.0032	.0035	.0039	.0042	.0046	.0051	.0055	.0060	.0065	.0071
19	.0015	.0017	.0019	.0021	.0023	.0026	.0028	.0031	.0034	.0037
20	.0007	.0008	.0009	.0010	.0011	.0012	.0014	.0015	.0017	.0019
21	.0003	.0003	.0004	.0004	.0005	.0006	.0006	.0007	.0008	.0009
22	.0001	.0001	.0002	.0002	.0002	.0002	.0003	.0003	.0004	.0004
23	.0000	.0001	.0001	.0001	.0001	.0001	.0001	.0001	.0002	.0002
24	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0001	.0001	.0001

X	m									
	11	12	13	14	15	16	17	18	19	20
0	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
1	.0002	.0001	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
2	.0010	.0004	.0002	.0001	.0000	.0000	.0000	.0000	.0000	.0000
3	.0037	.0018	.0008	.0004	.0002	.0001	.0000	.0000	.0000	.0000
4	.0102	.0053	.0027	.0013	.0006	.0003	.0001	.0001	.0000	.0000
5	.0224	.0127	.0070	.0037	.0019	.0010	.0005	.0002	.0001	.0001
6	.0411	.0255	.0152	.0087	.0048	.0026	.0014	.0007	.0004	.0002
7	.0646	.0437	.0281	.0174	.0104	.0060	.0034	.0018	.0010	.0005
8	.0888	.0655	.0457	.0304	.0194	.0120	.0072	.0042	.0024	.0013
9	.1085	.0874	.0661	.0473	.0324	.0213	.0135	.0083	.0050	.0029
10	.1194	.1048	.0859	.0663	.0486	.0341	.0230	.0150	.0095	.0058
11	.1194	.1144	.1015	.0844	.0663	.0496	.0355	.0245	.0164	.0106
12	.1094	.1144	.1099	.0984	.0829	.0661	.0504	.0368	.0259	.0176
13	.0926	.1056	.1099	.1060	.0956	.0814	.0658	.0509	.0378	.0271
14	.0728	.0905	.1021	.1060	.1024	.0930	.0800	.0655	.0514	.0387
15	.0534	.0724	.0885	.0989	.1024	.0992	.0906	.0786	.0650	.0516
16	.0367	.0543	.0719	.0866	.0960	.0992	.0963	.0884	.0772	.0646
17	.0237	.0383	.0550	.0713	.0847	.0934	.0963	.0936	.0863	.0760
18	.0145	.0256	.0397	.0554	.0706	.0830	.0909	.0936	.0911	.0844
19	.0084	.0161	.0272	.0409	.0557	.0699	.0814	.0887	.0911	.0888
20	.0046	.0097	.0177	.0286	.0418	.0559	.0692	.0798	.0866	.0888
21	.0024	.0055	.0109	.0191	.0299	.0426	.0560	.0684	.0783	.0846
22	.0012	.0030	.0065	.0121	.0204	.0310	.0433	.0560	.0676	.0769
23	.0006	.0016	.0037	.0074	.0133	.0216	.0320	.0438	.0559	.0669
24	.0003	.0008	.0020	.0043	.0083	.0144	.0226	.0328	.0442	.0557
25	.0001	.0004	.0010	.0024	.0050	.0092	.0154	.0237	.0336	.0446
26	.0000	.0002	.0005	.0013	.0029	.0057	.0101	.0164	.0246	.0343
27	.0000	.0001	.0002	.0007	.0016	.0034	.0063	.0109	.0173	.0254
28	.0000	.0000	.0001	.0003	.0009	.0019	.0038	.0070	.0117	.0181
29	.0000	.0000	.0001	.0002	.0004	.0011	.0023	.0044	.0077	.0125
30	.0000	.0000	.0000	.0001	.0002	.0006	.0013	.0026	.0049	.0083
31	.0000	.0000	.0000	.0000	.0001	.0003	.0007	.0015	.0030	.0054
32	.0000	.0000	.0000	.0000	.0001	.0001	.0004	.0009	.0018	.0034
33	.0000	.0000	.0000	.0000	.0000	.0001	.0002	.0005	.0010	.0020
34	.0000	.0000	.0000	.0000	.0000	.0000	.0001	.0002	.0006	.0012
35	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0001	.0003	.0007
36	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0001	.0002	.0004
37	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0001	.0002
38	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0001
39	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0001

Appendix M

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TABLE OF THE SUMMED POISSON DISTRIBUTION*

$$\text{Values of } \sum_{X=X'}^{X=\infty} e^{-m} \frac{m^X}{X!}$$

X'	m									
	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0
0	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
1	.0952	.1813	.2592	.3297	.3935	.4512	.5034	.5507	.5934	.6321
2	.0047	.0175	.0369	.0616	.0902	.1219	.1558	.1912	.2275	.2642
3	.0002	.0011	.0036	.0079	.0144	.0231	.0341	.0474	.0629	.0803
4	.0000	.0001	.0003	.0008	.0018	.0034	.0058	.0091	.0135	.0190
5	.0000	.0000	.0000	.0001	.0002	.0004	.0008	.0014	.0023	.0037
6	.0000	.0000	.0000	.0000	.0000	.0000	.0001	.0002	.0003	.0006
7	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0001
X'	m									
	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0
0	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
1	.6671	.6988	.7275	.7534	.7769	.7981	.8173	.8347	.8504	.8647
2	.3010	.3374	.3732	.4082	.4422	.4751	.5068	.5372	.5663	.5940
3	.0996	.1205	.1429	.1665	.1912	.2166	.2428	.2694	.2963	.3233
4	.0257	.0338	.0431	.0537	.0656	.0788	.0932	.1087	.1253	.1429
5	.0054	.0077	.0107	.0143	.0186	.0237	.0296	.0364	.0441	.0527
6	.0010	.0015	.0022	.0032	.0045	.0060	.0080	.0104	.0132	.0166
7	.0001	.0003	.0004	.0006	.0009	.0013	.0019	.0026	.0034	.0045
8	.0000	.0000	.0001	.0001	.0002	.0003	.0004	.0006	.0008	.0011
9	.0000	.0000	.0000	.0000	.0000	.0000	.0001	.0001	.0002	.0002
X'	m									
	2.1	2.2	2.3	2.4	2.5	2.6	2.7	2.8	2.9	3.0
0	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
1	.8775	.8892	.8997	.9093	.9179	.9257	.9328	.9392	.9450	.9502
2	.6204	.6454	.6691	.6916	.7127	.7326	.7513	.7689	.7854	.8009
3	.3504	.3773	.4040	.4303	.4562	.4816	.5064	.5305	.5540	.5768
4	.1614	.1806	.2007	.2213	.2424	.2640	.2859	.3081	.3304	.3528
5	.0621	.0725	.0838	.0959	.1088	.1226	.1371	.1523	.1682	.1847
6	.0204	.0249	.0300	.0357	.0420	.0490	.0567	.0651	.0742	.0839
7	.0059	.0075	.0094	.0116	.0142	.0172	.0206	.0244	.0287	.0335
8	.0015	.0020	.0026	.0033	.0042	.0053	.0066	.0081	.0099	.0119
9	.0003	.0005	.0006	.0009	.0011	.0015	.0019	.0024	.0031	.0038
10	.0001	.0001	.0001	.0002	.0003	.0004	.0005	.0007	.0009	.0011
11	.0000	.0000	.0000	.0000	.0001	.0001	.0001	.0002	.0002	.0003
12	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0001	.0001
X'	m									
	3.1	3.2	3.3	3.4	3.5	3.6	3.7	3.8	3.9	4.0
0	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
1	.9550	.9592	.9631	.9666	.9698	.9727	.9753	.9776	.9798	.9817
2	.8153	.8288	.8414	.8532	.8641	.8743	.8838	.8926	.9008	.9084
3	.5988	.6201	.6406	.6603	.6792	.6973	.7146	.7311	.7469	.7619
4	.3752	.3975	.4197	.4416	.4634	.4848	.5058	.5265	.5468	.5665
5	.2018	.2194	.2374	.2558	.2746	.2936	.3128	.3322	.3516	.3712
6	.0943	.1054	.1171	.1295	.1424	.1559	.1699	.1844	.1994	.2149
7	.0388	.0446	.0510	.0579	.0653	.0733	.0818	.0909	.1005	.1107
8	.0142	.0168	.0198	.0231	.0267	.0308	.0352	.0401	.0454	.0511
9	.0047	.0057	.0069	.0083	.0099	.0117	.0137	.0160	.0185	.0214
10	.0014	.0018	.0022	.0027	.0033	.0040	.0048	.0058	.0069	.0081
11	.0004	.0005	.0006	.0008	.0010	.0013	.0016	.0019	.0023	.0028
12	.0001	.0001	.0002	.0002	.0003	.0004	.0005	.0006	.0007	.0009
13	.0000	.0000	.0000	.0001	.0001	.0001	.0001	.0002	.0002	.0003
14	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0001	.0001

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APPENDIX M

X	m									
	4.1	4.2	4.3	4.4	4.5	4.6	4.7	4.8	4.9	5.0
0	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
1	.9834	.9850	.9864	.9877	.9889	.9899	.9909	.9918	.9926	.9933
2	.9155	.9220	.9281	.9337	.9389	.9437	.9482	.9523	.9561	.9596
3	.7762	.7898	.8026	.8149	.8264	.8374	.8477	.8575	.8667	.8753
4	.5858	.6046	.6228	.6406	.6577	.6743	.6903	.7058	.7207	.7350
5	.3907	.4102	.4296	.4488	.4679	.4868	.5054	.5237	.5418	.5595
6	.2307	.2469	.2633	.2801	.2971	.3142	.3316	.3490	.3665	.3840
7	.1214	.1325	.1442	.1564	.1689	.1820	.1954	.2092	.2233	.2378
8	.0573	.0639	.0710	.0786	.0866	.0951	.1040	.1133	.1231	.1334
9	.0245	.0279	.0317	.0358	.0403	.0451	.0503	.0558	.0618	.0681
10	.0095	.0111	.0129	.0149	.0171	.0195	.0222	.0251	.0283	.0318
11	.0034	.0041	.0048	.0057	.0067	.0078	.0090	.0104	.0120	.0137
12	.0011	.0014	.0017	.0020	.0024	.0029	.0034	.0040	.0047	.0055
13	.0003	.0004	.0005	.0007	.0008	.0010	.0012	.0014	.0017	.0020
14	.0001	.0001	.0002	.0002	.0003	.0003	.0004	.0005	.0006	.0007
15	.0000	.0000	.0000	.0001	.0001	.0001	.0001	.0001	.0002	.0002
16	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0001	.0001
X'	m									
	5.1	5.2	5.3	5.4	5.5	5.6	5.7	5.8	5.9	6.0
0	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
1	.9939	.9945	.9950	.9955	.9959	.9963	.9967	.9970	.9973	.9975
2	.9628	.9658	.9686	.9711	.9734	.9756	.9776	.9794	.9811	.9826
3	.8835	.8912	.8984	.9052	.9116	.9176	.9232	.9285	.9334	.9380
4	.7487	.7619	.7746	.7867	.7983	.8094	.8200	.8300	.8396	.8488
5	.5769	.5939	.6105	.6267	.6425	.6579	.6728	.6873	.7013	.7149
6	.4016	.4191	.4365	.4539	.4711	.4881	.5050	.5217	.5381	.5543
7	.2526	.2676	.2829	.2983	.3140	.3297	.3456	.3616	.3776	.3937
8	.1440	.1551	.1665	.1783	.1905	.2030	.2159	.2290	.2424	.2560
9	.0748	.0819	.0894	.0974	.1056	.1143	.1234	.1328	.1426	.1528
10	.0356	.0397	.0441	.0488	.0538	.0591	.0648	.0708	.0772	.0839
11	.0156	.0177	.0200	.0225	.0253	.0282	.0314	.0349	.0386	.0426
12	.0063	.0073	.0084	.0096	.0110	.0125	.0141	.0160	.0179	.0201
13	.0024	.0028	.0033	.0038	.0045	.0051	.0059	.0068	.0078	.0088
14	.0008	.0010	.0012	.0014	.0017	.0020	.0023	.0027	.0031	.0036
15	.0003	.0003	.0004	.0005	.0006	.0007	.0009	.0010	.0012	.0014
16	.0001	.0001	.0001	.0002	.0002	.0002	.0003	.0004	.0004	.0005
17	.0000	.0000	.0000	.0001	.0001	.0001	.0001	.0001	.0001	.0002
18	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0001
X'	m									
	6.1	6.2	6.3	6.4	6.5	6.6	6.7	6.8	6.9	7.0
0	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
1	.9978	.9980	.9982	.9983	.9985	.9986	.9988	.9989	.9990	.9991
2	.9841	.9854	.9866	.9877	.9887	.9897	.9905	.9913	.9920	.9927
3	.9423	.9464	.9502	.9537	.9570	.9600	.9629	.9656	.9680	.9704
4	.8575	.8658	.8736	.8811	.8882	.8948	.9012	.9072	.9129	.9182
5	.7281	.7408	.7531	.7649	.7763	.7873	.7978	.8080	.8177	.8270
6	.5702	.5859	.6012	.6163	.6310	.6453	.6594	.6730	.6863	.6993
7	.4098	.4258	.4418	.4577	.4735	.4892	.5047	.5201	.5353	.5503
8	.2699	.2840	.2983	.3127	.3272	.3419	.3567	.3715	.3864	.4013
9	.1633	.1741	.1852	.1967	.2084	.2204	.2327	.2452	.2580	.2709
10	.0910	.0984	.1061	.1142	.1226	.1314	.1404	.1498	.1505	.1695
11	.0469	.0514	.0563	.0614	.0668	.0726	.0786	.0849	.0916	.0985
12	.0224	.0250	.0277	.0307	.0339	.0373	.0409	.0448	.0490	.0534
13	.0100	.0113	.0127	.0143	.0160	.0179	.0199	.0221	.0245	.0270
14	.0042	.0048	.0055	.0063	.0071	.0080	.0091	.0102	.0115	.0128
15	.0016	.0019	.0022	.0026	.0030	.0034	.0039	.0044	.0050	.0057
16	.0006	.0007	.0008	.0010	.0012	.0014	.0016	.0018	.0021	.0024
17	.0002	.0003	.0003	.0004	.0004	.0005	.0006	.0007	.0008	.0010
18	.0001	.0001	.0001	.0001	.0002	.0002	.0002	.0003	.0003	.0004
19	.0000	.0000	.0000	.0000	.0001	.0001	.0001	.0001	.0001	.0001

THE SUMMED POISSON DISTRIBUTION

X^r	m									
	7.1	7.2	7.3	7.4	7.5	7.6	7.7	7.8	7.9	8.0
0	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
1	.9992	.9993	.9993	.9994	.9994	.9995	.9995	.9996	.9996	.9997
2	.9933	.9939	.9944	.9949	.9953	.9957	.9961	.9964	.9967	.9970
3	.9725	.9745	.9764	.9781	.9797	.9812	.9826	.9839	.9851	.9862
4	.9233	.9281	.9326	.9368	.9409	.9446	.9482	.9515	.9547	.9576
5	.8359	.8445	.8527	.8605	.8679	.8751	.8819	.8883	.8945	.9004
6	.7119	.7241	.7360	.7474	.7586	.7693	.7797	.7897	.7994	.8088
7	.5651	.5796	.5940	.6080	.6218	.6354	.6486	.6616	.6743	.6866
8	.4162	.4311	.4459	.4607	.4754	.4900	.5044	.5188	.5330	.5470
9	.2840	.2973	.3108	.3243	.3380	.3518	.3657	.3796	.3935	.4075
10	.1798	.1904	.2012	.2123	.2236	.2351	.2469	.2589	.2710	.2834
11	.1058	.1133	.1212	.1293	.1378	.1465	.1555	.1648	.1743	.1841
12	.0580	.0629	.0681	.0735	.0792	.0852	.0915	.0980	.1048	.1119
13	.0297	.0327	.0358	.0391	.0427	.0464	.0504	.0546	.0591	.0638
14	.0143	.0159	.0176	.0195	.0216	.0238	.0261	.0286	.0313	.0342
15	.0065	.0073	.0082	.0092	.0103	.0114	.0127	.0141	.0156	.0173
16	.0028	.0031	.0036	.0041	.0046	.0052	.0059	.0066	.0074	.0082
17	.0011	.0013	.0015	.0017	.0020	.0022	.0026	.0029	.0033	.0037
18	.0004	.0005	.0006	.0007	.0008	.0009	.0011	.0012	.0014	.0016
19	.0002	.0002	.0002	.0003	.0003	.0004	.0004	.0005	.0006	.0006
20	.0001	.0001	.0001	.0001	.0001	.0001	.0002	.0002	.0002	.0003
21	.0000	.0000	.0000	.0000	.0000	.0000	.0001	.0001	.0001	.0001
X^r	m									
	8.1	8.2	8.3	8.4	8.5	8.6	8.7	8.8	8.9	9.0
0	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
1	.9997	.9997	.9998	.9998	.9998	.9998	.9998	.9998	.9999	.9999
2	.9972	.9975	.9977	.9979	.9981	.9982	.9984	.9985	.9987	.9988
3	.9873	.9882	.9891	.9900	.9907	.9914	.9921	.9927	.9932	.9938
4	.9604	.9630	.9654	.9677	.9699	.9719	.9738	.9756	.9772	.9788
5	.9060	.9113	.9163	.9211	.9256	.9299	.9340	.9379	.9416	.9450
6	.8178	.8264	.8347	.8427	.8504	.8578	.8648	.8716	.8781	.8843
7	.6987	.7104	.7219	.7330	.7438	.7543	.7645	.7744	.7840	.7932
8	.5609	.5746	.5881	.6013	.6144	.6272	.6398	.6522	.6643	.6761
9	.4214	.4353	.4493	.4631	.4769	.4906	.5042	.5177	.5311	.5443
10	.2959	.3085	.3212	.3341	.3470	.3600	.3731	.3863	.3994	.4126
11	.1942	.2045	.2150	.2257	.2366	.2478	.2591	.2706	.2822	.2940
12	.1193	.1269	.1348	.1429	.1513	.1600	.1689	.1780	.1874	.1970
13	.0687	.0739	.0793	.0850	.0909	.0971	.1035	.1102	.1171	.1242
14	.0372	.0405	.0439	.0476	.0514	.0555	.0597	.0642	.0689	.0739
15	.0190	.0209	.0229	.0251	.0274	.0299	.0325	.0353	.0383	.0415
16	.0092	.0102	.0113	.0125	.0138	.0152	.0168	.0184	.0202	.0220
17	.0042	.0047	.0053	.0059	.0066	.0074	.0082	.0091	.0101	.0111
18	.0018	.0021	.0023	.0027	.0030	.0034	.0038	.0043	.0048	.0053
19	.0008	.0009	.0010	.0011	.0013	.0015	.0017	.0019	.0022	.0024
20	.0003	.0003	.0004	.0005	.0005	.0006	.0007	.0008	.0009	.0011
21	.0001	.0001	.0002	.0002	.0002	.0002	.0003	.0003	.0004	.0004
22	.0000	.0000	.0001	.0001	.0001	.0001	.0001	.0001	.0002	.0002
23	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0001	.0001
X^r	m									
	9.1	9.2	9.3	9.4	9.5	9.6	9.7	9.8	9.9	10
0	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
1	.9999	.9999	.9999	.9999	.9999	.9999	.9999	.9999	1.0000	1.0000
2	.9989	.9990	.9991	.9991	.9992	.9993	.9993	.9994	.9995	.9995
3	.9942	.9947	.9951	.9955	.9958	.9962	.9965	.9967	.9970	.9972
4	.9802	.9816	.9828	.9840	.9851	.9862	.9871	.9880	.9889	.9897
5	.9483	.9514	.9544	.9571	.9597	.9622	.9645	.9667	.9688	.9707
6	.8902	.8959	.9014	.9065	.9115	.9162	.9207	.9250	.9290	.9329
7	.8022	.8108	.8192	.8273	.8351	.8426	.8498	.8567	.8634	.8699
8	.6877	.6990	.7101	.7208	.7313	.7416	.7515	.7612	.7706	.7798
9	.5574	.5704	.5832	.5958	.6082	.6204	.6324	.6442	.6558	.6672

APPENDIX M

X'	m									
	9.1	9.2	9.3	9.4	9.5	9.6	9.7	9.8	9.9	10
10	.4258	.4389	.4521	.4651	.4782	.4911	.5040	.5168	.5295	.5421
11	.3059	.3180	.3301	.3424	.3547	.3671	.3795	.3920	.4045	.4170
12	.2068	.2168	.2270	.2374	.2480	.2588	.2697	.2807	.2919	.3032
13	.1316	.1393	.1471	.1552	.1636	.1721	.1809	.1899	.1991	.2084
14	.0790	.0844	.0900	.0958	.1019	.1081	.1147	.1214	.1284	.1355
15	.0448	.0483	.0520	.0559	.0600	.0643	.0688	.0735	.0784	.0835
16	.0240	.0262	.0285	.0309	.0335	.0362	.0391	.0421	.0454	.0487
17	.0122	.0135	.0148	.0162	.0177	.0194	.0211	.0230	.0249	.0270
18	.0059	.0066	.0073	.0081	.0089	.0098	.0108	.0119	.0130	.0143
19	.0027	.0031	.0034	.0038	.0043	.0048	.0053	.0059	.0065	.0072
20	.0012	.0014	.0015	.0017	.0020	.0022	.0025	.0028	.0031	.0035
21	.0005	.0006	.0007	.0008	.0009	.0010	.0011	.0013	.0014	.0016
22	.0002	.0002	.0003	.0003	.0004	.0004	.0005	.0005	.0006	.0007
23	.0001	.0001	.0001	.0001	.0001	.0002	.0002	.0002	.0003	.0003
24	.0000	.0000	.0000	.0000	.0001	.0001	.0001	.0001	.0001	.0001
X'	m									
	11	12	13	14	15	16	17	18	19	20
0	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
1	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
2	.9998	.9999	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
3	.9988	.9995	.9998	.9999	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
4	.9951	.9977	.9990	.9995	.9998	.9999	1.0000	1.0000	1.0000	1.0000
5	.9849	.9924	.9963	.9982	.9991	.9996	.9998	.9999	1.0000	1.0000
6	.9625	.9797	.9893	.9945	.9972	.9986	.9993	.9997	.9998	.9999
7	.9214	.9542	.9741	.9858	.9924	.9960	.9979	.9990	.9995	.9997
8	.8568	.9105	.9460	.9684	.9820	.9900	.9946	.9971	.9985	.9992
9	.7680	.8450	.9002	.9379	.9626	.9780	.9874	.9929	.9961	.9979
10	.6595	.7576	.8342	.8906	.9301	.9567	.9739	.9846	.9911	.9950
11	.5401	.6528	.7483	.8243	.8815	.9226	.9509	.9696	.9817	.9892
12	.4207	.5384	.6468	.7400	.8152	.8730	.9153	.9451	.9653	.9786
13	.3113	.4240	.5369	.6415	.7324	.8069	.8650	.9082	.9394	.9610
14	.2187	.3185	.4270	.5356	.6368	.7255	.7991	.8574	.9016	.9339
15	.1460	.2280	.3249	.4296	.5343	.6325	.7192	.7919	.8503	.8951
16	.0926	.1556	.2364	.3306	.4319	.5333	.6285	.7133	.7852	.8435
17	.0559	.1013	.1645	.2441	.3359	.4340	.5323	.6250	.7080	.7789
18	.0322	.0630	.1095	.1728	.2511	.3407	.4360	.5314	.6216	.7030
19	.0177	.0374	.0698	.1174	.1805	.2577	.3450	.4378	.5305	.6186
20	.0093	.0213	.0427	.0765	.1248	.1878	.2637	.3491	.4394	.5297
21	.0047	.0116	.0250	.0479	.0830	.1318	.1945	.2693	.3528	.4409
22	.0023	.0061	.0141	.0288	.0531	.0892	.1385	.2009	.2745	.3563
23	.0010	.0030	.0076	.0167	.0327	.0582	.0953	.1449	.2069	.2794
24	.0005	.0015	.0040	.0093	.0195	.0367	.0633	.1011	.1510	.2125
25	.0002	.0007	.0020	.0050	.0112	.0223	.0406	.0683	.1067	.1568
26	.0001	.0003	.0010	.0026	.0062	.0131	.0252	.0446	.0731	.1122
27	.0000	.0001	.0005	.0013	.0033	.0075	.0152	.0282	.0486	.0779
28	.0000	.0001	.0002	.0006	.0017	.0041	.0088	.0173	.0313	.0525
29	.0000	.0000	.0001	.0003	.0009	.0022	.0050	.0103	.0195	.0343
30	.0000	.0000	.0000	.0001	.0004	.0011	.0027	.0059	.0118	.0218
31	.0000	.0000	.0000	.0001	.0002	.0006	.0014	.0033	.0070	.0135
32	.0000	.0000	.0000	.0000	.0001	.0003	.0007	.0018	.0040	.0081
33	.0000	.0000	.0000	.0000	.0000	.0001	.0004	.0010	.0022	.0047
34	.0000	.0000	.0000	.0000	.0000	.0001	.0002	.0005	.0012	.0027
35	.0000	.0000	.0000	.0000	.0000	.0000	.0001	.0002	.0006	.0015
36	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0001	.0003	.0008
37	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0001	.0002	.0004
38	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0001	.0002
39	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0001
40	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0001

Appendix N

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SAMPLE PAGE FROM A TABLE *
OF RANDOM NUMBERS

19950	92630	78240	19267	95457	53497	23894	37708	79862	76471	66418
19951	79445	78735	71549	44843	26104	67318	00701	34986	66751	99723
19952	59654	71966	27386	50004	05358	94031	29281	18544	52429	06080
19953	31524	49587	76612	39789	13537	48086	59483	60680	84675	53014
19954	06348	76938	90379	51392	55887	71015	09209	79157	24440	30244
19955	28703	51709	94456	48396	73780	06436	86641	69239	57662	80181
19956	68108	89266	94730	95761	75023	48464	65544	96583	18911	16391
19957	99938	90704	93621	66330	33393	95261	95349	51769	91616	33238
19958	91543	73196	34449	63513	83834	99411	58826	40456	69268	48562
19959	42103	02781	73920	56297	72678	12249	25270	36678	21313	75767
19960	17138	27584	25296	28387	51350	61664	37893	05363	44143	42677
19961	28297	14280	54524	21618	95320	38174	60579	08089	94999	78460
19962	09331	56712	51333	06289	75345	08811	82711	57392	25252	30333
19963	31295	04204	93712	51287	05754	79396	87399	51773	33075	97061
19964	36146	15560	27592	42089	99281	59640	15221	96079	09961	05371
19965	29553	18432	13630	05529	02791	81017	49027	79031	50912	09399
19966	23501	22642	63081	08191	89420	67800	55137	54707	32945	64522
19967	57888	85846	67967	07835	11314	01545	48535	17142	08552	67457
19968	55336	71264	88472	04334	63919	36394	11196	92470	70543	29776
19969	10087	10072	55980	64688	68239	20461	89381	93809	00796	95945
19970	34101	81277	66090	88872	37818	72142	67140	50785	21380	16703
19971	53362	44940	60430	22834	14130	96593	23298	56203	92671	15925
19972	82975	66158	84731	19436	55790	69229	28661	13675	99318	76873
19973	54827	84673	22898	08094	14326	87038	42892	21127	30712	48489
19774	25464	59098	27436	89421	80754	89924	19097	67737	80368	08795
19975	67609	60214	41475	84950	40133	02546	09570	45682	50165	15609
19976	44921	70924	61295	51137	47596	86735	35561	76649	18217	63446
19977	33170	30972	98130	95828	49786	13301	36081	80761	33985	68621
19978	84687	85445	06208	17654	51333	02878	35010	67578	61574	20749
19979	71886	56450	36567	09395	96951	35507	17555	35212	69106	01679

*From A Million Random Digits with 100,000 Normal Deviates. The Rand Corp. (Glencoe, Ill.: The Free Press).

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APPENDIX N

19980	00475	02224	74722	14721	40215	21351	08596	45625	83981	63748
19981	25993	38881	68361	59560	41274	69742	40703	37993	03435	18873
19982	92882	53178	99195	93803	56985	53089	15305	50522	55900	43026
19983	25138	26810	07093	15677	60688	04410	24505	37890	67186	62829
19984	84631	71882	12991	83028	82484	90339	91950	74579	03539	90122
19985	34003	92326	12793	61453	48121	74271	28363	66561	75220	35908
19986	53775	45749	05734	86169	42762	70175	97310	73894	88606	19994
19987	59316	97885	72807	54966	60859	11932	35265	71601	55577	67715
19988	20479	66557	50705	26999	09854	52591	14063	30214	19890	19292
19989	86180	84931	25455	26044	02227	52015	21820	50599	51671	65411
19990	21451	68001	72710	40261	61281	13172	63819	48970	51732	54113
19991	98062	68375	80089	24135	72355	95428	11808	29740	81644	86610
19992	01788	64429	14430	94575	75153	94576	61393	96192	03227	32258
19993	62465	04841	43272	68702	01274	05437	22953	18946	99053	41690
19994	94324	31089	84159	92933	99989	89500	91586	02802	69471	68274
19995	05797	43984	21575	09908	70221	19791	51578	36432	33494	79888
19996	10395	14289	52185	09721	25789	38562	54794	04897	59012	89251
19997	35177	56986	25549	59730	64718	52630	31100	62384	49483	11409
19998	25633	89619	75882	98256	02126	72099	57183	55887	09320	73463
19999	16464	48280	94254	45777	45150	68865	11382	11782	22695	41988

Appendix O

TABLE OF SQUARES, SQUARE ROOTS, AND RECIPROCAL*

N	N ²	\sqrt{N}	$\sqrt{10N}$	1000/N	N	N ²	\sqrt{N}	$\sqrt{10N}$	1000/N
1	1	1.0000	3.1623	1000.0	30	900	5.4772	17.321	33.333
2	4	1.4142	4.4721	500.00	31	961	5.5678	17.607	32.258
3	9	1.7321	5.4772	333.33	32	1 024	5.6569	17.889	31.250
4	16	2.0000	6.3246	250.00	33	1 089	5.7446	18.166	30.303
5	25	2.2361	7.0711	200.00	34	1 156	5.8310	18.439	29.412
6	36	2.4495	7.7460	166.67	35	1 225	5.9161	18.708	28.571
7	49	2.6458	8.3666	142.86	36	1 296	6.0000	18.974	27.778
8	64	2.8284	8.9443	125.00	37	1 369	6.0828	19.235	27.027
9	81	3.0000	9.4868	111.11	38	1 444	6.1644	19.494	26.316
10	100	3.1623	10.000	100.00	39	1 521	6.2450	19.748	25.641
11	121	3.3166	10.488	90.909	40	1 600	6.3246	20.000	25.000
12	144	3.4641	10.954	83.333	41	1 681	6.4031	20.248	24.390
13	169	3.6056	11.402	76.923	42	1 764	6.4807	20.494	23.810
14	196	3.7417	11.832	71.429	43	1 849	6.5574	20.736	23.256
15	225	3.8730	12.247	66.667	44	1 936	6.6333	20.976	22.727
16	256	4.0000	12.649	62.500	45	2 025	6.7082	21.213	22.222
17	289	4.1231	13.038	58.824	46	2 116	6.7823	21.448	21.739
18	324	4.2426	13.416	55.556	47	2 209	6.8557	21.679	21.277
19	361	4.3589	13.784	52.632	48	2 304	6.9282	21.909	20.833
20	400	4.4721	14.142	50.000	49	2 401	7.0000	22.136	20.408
21	441	4.5826	14.491	47.619	50	2 500	7.0711	22.361	20.000
22	484	4.6904	14.832	45.455	51	2 601	7.1414	22.583	19.608
23	529	4.7958	15.166	43.478	52	2 704	7.2111	22.804	19.231
24	576	4.8990	15.492	41.667	53	2 809	7.2801	23.022	18.868
25	625	5.0000	15.811	40.000	54	2 916	7.3485	23.238	18.519
26	676	5.0990	16.125	38.462	55	3 025	7.4162	23.452	18.182
27	729	5.1962	16.432	37.037	56	3 136	7.4833	23.664	17.857
28	784	5.2915	16.733	35.714	57	3 249	7.5498	23.875	17.544
29	841	5.3852	17.029	34.483	58	3 364	7.6158	24.083	17.241
					59	3 481	7.6811	24.290	16.949

* From Handbook of Probability and Statistics, by R. S. Burlington and D. C. May, Jr. Copyright, 1953, McGraw-Hill Book Co., Inc. Used by permission.

APPENDIX O

N	N ²	√N	√10N	1000/N	N	N ²	√N	√10N	1000/N
60	3 600	7.7460	24.495	16.667	110	12 100	10.488	33.166	9.0909
61	3 721	7.8103	24.698	16.393	111	12 321	10.536	33.317	9.0090
62	3 844	7.8740	24.900	16.129	112	12 544	10.583	33.466	8.9286
63	3 969	7.9373	25.100	15.873	113	12 769	10.630	33.615	8.8496
64	4 096	8.0000	25.298	15.625	114	12 996	10.677	33.764	8.7719
65	4 225	8.0623	25.495	15.385	115	13 225	10.724	33.912	8.6957
66	4 356	8.1240	25.690	15.152	116	13 456	10.770	34.059	8.6207
67	4 489	8.1854	25.884	14.925	117	13 689	10.817	34.205	8.5470
68	4 624	8.2462	26.077	14.706	118	13 924	10.863	34.351	8.4746
69	4 761	8.3066	26.268	14.493	119	14 161	10.909	34.496	8.4034
70	4 900	8.3666	26.458	14.286	120	14 400	10.954	34.641	8.3333
71	5 041	8.4262	26.646	14.085	121	14 641	11.000	34.785	8.2645
72	5 184	8.4853	26.833	13.889	122	14 884	11.045	34.929	8.1967
73	5 329	8.5440	27.019	13.699	123	15 129	11.091	35.071	8.1301
74	5 476	8.6023	27.203	13.514	124	15 376	11.136	35.214	8.0645
75	5 625	8.6603	27.386	13.333	125	15 625	11.180	35.355	8.0000
76	5 776	8.7178	27.568	13.158	126	15 876	11.225	35.496	7.9365
77	5 929	8.7750	27.749	12.987	127	16 129	11.269	35.637	7.8740
78	6 084	8.8318	27.928	12.821	128	16 384	11.314	35.777	7.8125
79	6 241	8.8882	28.107	12.658	129	16 641	11.358	35.917	7.7519
80	6 400	8.9443	28.284	12.500	130	16 900	11.402	36.056	7.6923
81	6 561	9.0000	28.461	12.346	131	17 161	11.446	36.194	7.6336
82	6 724	9.0554	28.636	12.195	132	17 424	11.489	36.332	7.5758
83	6 889	9.1104	28.810	12.048	133	17 689	11.533	36.469	7.5188
84	7 056	9.1652	28.983	11.905	134	17 956	11.576	36.606	7.4627
85	7 225	9.2195	29.155	11.765	135	18 225	11.619	36.742	7.4074
86	7 396	9.2736	29.326	11.628	136	18 496	11.662	36.878	7.3529
87	7 569	9.3274	29.496	11.494	137	18 769	11.705	37.014	7.2993
88	7 744	9.3808	29.665	11.364	138	19 044	11.747	37.148	7.2464
89	7 921	9.4340	29.833	11.236	139	19 321	11.790	37.283	7.1942
90	8 100	9.4868	30.000	11.111	140	19 600	11.832	37.417	7.1429
91	8 281	9.5394	30.166	10.989	141	19 881	11.874	37.550	7.0922
92	8 464	9.5917	30.332	10.870	142	20 164	11.916	37.683	7.0423
93	8 649	9.6437	30.496	10.753	143	20 449	11.958	37.815	6.9930
94	8 836	9.6954	30.659	10.638	144	20 736	12.000	37.947	6.9444
95	9 025	9.7468	30.822	10.526	145	21 025	12.042	38.079	6.8966
96	9 216	9.7980	30.984	10.417	146	21 316	12.083	38.210	6.8493
97	9 409	9.8489	31.145	10.309	147	21 609	12.124	38.341	6.8027
98	9 604	9.8995	31.305	10.204	148	21 904	12.166	38.471	6.7568
99	9 801	9.9499	31.464	10.101	149	22 201	12.207	38.601	6.7114
100	10 000	10.000	31.623	10.000	150	22 500	12.247	38.730	6.6667
101	10 201	10.050	31.781	9.9010	151	22 801	12.288	38.859	6.6225
102	10 404	10.100	31.937	9.8039	152	23 104	12.329	38.987	6.5789
103	10 609	10.149	32.094	9.7087	153	23 409	12.369	39.115	6.5359
104	10 816	10.198	32.249	9.6154	154	23 716	12.410	39.243	6.4935
105	11 025	10.247	32.404	9.5238	155	24 025	12.450	39.370	6.4516
106	11 236	10.296	32.558	9.4340	156	24 336	12.490	39.497	6.4103
107	11 449	10.344	32.711	9.3458	157	24 649	12.530	39.623	6.3694
108	11 664	10.392	32.863	9.2593	158	24 964	12.570	39.749	6.3291
109	11 881	10.440	33.015	9.1743	159	25 281	12.610	39.875	6.2893

SQUARES, SQUARE ROOTS, AND RECIPROCAL

599

N	N ²	√N	√10N	1000/N	N	N ²	√N	√10N	1000/N
160	25 600	12.649	40.000	6.2500	210	44 100	14.491	45.826	4 7619
161	25 921	12.689	40.125	6.2112	211	44 521	14.526	45.935	4.7393
162	26 244	12.728	40.249	6.1728	212	44 944	14.560	46.043	4.7170
163	26 569	12.767	40.373	6.1350	213	45 369	14.595	46.152	4.6948
164	26 896	12.806	40.497	6.0976	214	45 796	14.629	46.260	4.6729
165	27 225	12.845	40.620	6.0606	215	46 225	14.663	46.368	4.6512
166	27 556	12.884	40.743	6.0241	216	46 656	14.697	46.476	4.6296
167	27 889	12.923	40.866	5.9880	217	47 089	14.731	46.583	4.6083
168	28 224	12.961	40.988	5.9524	218	47 524	14.765	46.690	4.5872
169	28 561	13.000	41.110	5.9172	219	47 961	14.799	46.797	4.5662
170	28 900	13.038	41.231	5.8824	220	48 400	14.832	46.904	4.5455
171	29 241	13.077	41.352	5.8480	221	48 841	14.866	47.011	4.5249
172	29 584	13.115	41.473	5.8140	222	49 284	14.900	47.117	4.5045
173	29 929	13.153	41.593	5.7803	223	49 729	14.933	47.223	4.4843
174	30 276	13.191	41.713	5.7471	224	50 176	14.967	47.329	4.4643
175	30 625	13.229	41.833	5.7143	225	50 625	15.000	47.434	4.4444
176	30 976	13.267	41.952	5.6818	226	51 076	15.033	47.539	4.4248
177	31 329	13.304	42.071	5.6497	227	51 529	15.067	47.645	4.4053
178	31 684	13.342	42.190	5.6180	228	51 984	15.100	47.749	4.3860
179	32 041	13.379	42.308	5.5866	229	52 441	15.133	47.854	4.3668
180	32 400	13.416	42.426	5.5556	230	52 900	15.166	47.958	4.3478
181	32 761	13.454	42.544	5.5249	231	53 361	15.199	48.062	4.3290
182	33 124	13.491	42.661	5.4945	232	53 824	15.232	48.166	4.3103
183	33 489	13.528	42.779	5.4645	233	54 289	15.264	48.270	4.2918
184	33 856	13.565	42.895	5.4348	234	54 756	15.297	48.374	4.2735
185	34 225	13.601	43.012	5.4054	235	55 225	15.330	48.477	4.2553
186	34 596	13.638	43.128	5.3763	236	55 696	15.362	48.580	4.2373
187	34 969	13.675	43.244	5.3476	237	56 169	15.395	48.683	4.2194
188	35 344	13.711	43.359	5.3191	238	56 644	15.427	48.785	4.2017
189	35 721	13.748	43.474	5.2910	239	57 121	15.460	48.888	4.1841
190	36 100	13.784	43.589	5.2632	240	57 600	15.492	48.990	4.1667
191	36 481	13.820	43.704	5.2356	241	58 081	15.524	49.092	4.1494
192	36 864	13.856	43.818	5.2083	242	58 564	15.556	49.194	4.1322
193	37 249	13.892	43.932	5.1813	243	59 049	15.588	49.295	4 1152
194	37 636	13.928	44.045	5.1546	244	59 536	15.621	49.396	4.0984
195	38 025	13.964	44.159	5.1282	245	60 025	15.652	49.497	4.0816
196	38 416	14.000	44.272	5.1020	246	60 516	15.684	49.598	4.0650
197	38 809	14.036	44.385	5.0761	247	61 009	15.716	49.699	4.0486
198	39 204	14.071	44.497	5.0505	248	61 504	15.748	49.800	4.0323
199	39 601	14.107	44.609	5.0251	249	62 001	15.780	49.900	4.0161
200	40 000	14.142	44.721	5.0000	250	62 500	15.811	50.000	4.0000
201	40 401	14.177	44.833	4.9751	251	63 001	15.843	50.100	3.9841
202	40 804	14.213	44.944	4.9505	252	63 504	15.875	50.200	3.9683
203	41 209	14.248	45.056	4.9261	253	64 009	15.906	50.299	3.9526
204	41 616	14.283	45.166	4.9020	254	64 516	15.937	50.398	3.9370
205	42 025	14.318	45.277	4.8780	255	65 025	15.969	50.498	3.9216
206	42 436	14.353	45.387	4.8544	256	65 536	16.000	50.596	3.9063
207	42 849	14.387	45.497	4.8309	257	66 049	16.031	50.695	3.8911
208	43 264	14.422	45.607	4.8077	258	66 564	16.062	50.794	3.8760
209	43 681	14.457	45.717	4.7847	259	67 081	16.093	50.892	3.8610

N	N ²	\sqrt{N}	$\sqrt{10N}$	1000/N	N	N ²	\sqrt{N}	$\sqrt{10N}$	1000/N
260	67 600	16.125	50.990	3.8462	310	96 100	17.607	55.678	3.2258
261	68 121	16.155	51.088	3.8314	311	96 721	17.635	55.767	3.2154
262	68 644	16.186	51.186	3.8168	312	97 344	17.664	55.857	3.2051
263	69 169	16.217	51.284	3.8023	313	97 969	17.692	55.946	3.1949
264	69 696	16.248	51.381	3.7879	314	98 596	17.720	56.036	3.1847
265	70 225	16.279	51.478	3.7736	315	99 225	17.748	56.125	3.1746
266	70 756	16.310	51.575	3.7594	316	99 856	17.776	56.214	3.1646
267	71 289	16.340	51.672	3.7453	317	100 489	17.804	56.303	3.1546
268	71 824	16.371	51.769	3.7313	318	101 124	17.833	56.391	3.1447
269	72 361	16.401	51.865	3.7175	319	101 761	17.861	56.480	3.1348
270	72 900	16.432	51.962	3.7037	320	102 400	17.889	56.569	3.1250
271	73 441	16.462	52.058	3.6900	321	103 041	17.916	56.657	3.1153
272	73 984	16.492	52.154	3.6765	322	103 684	17.944	56.745	3.1056
273	74 529	16.523	52.249	3.6630	323	104 329	17.972	56.833	3.0960
274	75 076	16.553	52.345	3.6496	324	104 976	18.000	56.921	3.0864
275	75 625	16.583	52.440	3.6364	325	105 625	18.028	57.009	3.0769
276	76 176	16.613	52.536	3.6232	326	106 276	18.055	57.096	3.0675
277	76 729	16.643	52.631	3.6101	327	106 929	18.083	57.184	3.0581
278	77 284	16.673	52.726	3.5971	328	107 584	18.111	57.271	3.0488
279	77 841	16.703	52.820	3.5842	329	108 241	18.138	57.359	3.0395
280	78 400	16.733	52.915	3.5714	330	108 900	18.166	57.446	3.0303
281	78 961	16.763	53.009	3.5587	331	109 561	18.193	57.533	3.0211
282	79 524	16.793	53.104	3.5461	332	110 224	18.221	57.619	3.0120
283	80 089	16.823	53.198	3.5336	333	110 889	18.248	57.706	3.0030
284	80 656	16.852	53.292	3.5211	334	111 556	18.276	57.793	2.9940
285	81 225	16.882	53.385	3.5088	335	112 225	18.303	57.879	2.9851
286	81 796	16.912	53.479	3.4965	336	112 896	18.330	57.966	2.9762
287	82 369	16.941	53.572	3.4843	337	113 569	18.358	58.052	2.9674
288	82 944	16.971	53.666	3.4722	338	114 244	18.385	58.138	2.9586
289	83 521	17.000	53.759	3.4602	339	114 921	18.412	58.224	2.9499
290	84 100	17.029	53.852	3.4483	340	115 600	18.439	58.310	2.9412
291	84 681	17.059	53.944	3.4364	341	116 281	18.466	58.395	2.9326
292	85 264	17.088	54.037	3.4247	342	116 964	18.493	58.481	2.9240
293	85 849	17.117	54.129	3.4130	343	117 649	18.520	58.566	2.9155
294	86 436	17.146	54.222	3.4014	344	118 336	18.547	58.652	2.9070
295	87 025	17.176	54.314	3.3898	345	119 025	18.574	58.737	2.8986
296	87 616	17.205	54.406	3.3784	346	119 716	18.601	58.822	2.8902
297	88 209	17.234	54.498	3.3670	347	120 409	18.628	58.907	2.8818
298	88 804	17.263	54.589	3.3557	348	121 104	18.655	58.992	2.8736
299	88 401	17.292	54.681	3.3445	349	121 801	18.682	59.076	2.8653
300	90 000	17.321	54.772	3.3333	350	122 500	18.708	59.161	2.8571
301	90 601	17.349	54.863	3.3223	351	123 201	18.735	59.245	2.8490
302	91 204	17.378	54.955	3.3113	352	123 904	18.762	59.330	2.8409
303	91 809	17.407	55.045	3.3003	353	124 609	18.788	59.414	2.8329
304	92 416	17.436	55.136	3.2895	354	125 316	18.815	59.498	2.8249
305	93 025	17.464	55.227	3.2787	355	126 025	18.841	59.582	2.8169
306	93 636	17.493	55.317	3.2680	356	126 736	18.868	59.666	2.8090
307	94 249	17.521	55.408	3.2573	357	127 449	18.894	59.749	2.8011
308	94 864	17.550	55.498	3.2468	358	128 164	18.921	59.833	2.7933
309	95 481	17.578	55.588	3.2362	359	128 881	18.947	59.917	2.7855

SQUARES, SQUARE ROOTS, AND RECIPROCAL

601

N	N ²	√N	√10N	1000/N	N	N ²	√N	√10N	1000/N
360	129 600	18.974	60.000	2.7778	410	168 100	20.248	64.031	2.4390
361	130 321	19.000	60.083	2.7701	411	168 921	20.273	64.109	2.4331
362	131 044	19.026	60.166	2.7624	412	169 744	20.298	64.187	2.4272
363	131 769	19.053	60.249	2.7548	413	170 569	20.322	64.265	2.4213
364	132 496	19.079	60.332	2.7473	414	171 396	20.347	64.343	2.4155
365	133 225	19.105	60.415	2.7397	415	172 225	20.372	64.420	2.4096
366	133 956	19.131	60.498	2.7322	416	173 056	20.396	64.498	2.4038
367	134 689	19.157	60.581	2.7248	417	173 889	20.421	64.576	2.3981
368	135 424	19.183	60.663	2.7174	418	174 724	20.445	64.653	2.3923
369	136 161	19.209	60.745	2.7100	419	175 561	20.469	64.730	2.3866
370	136 900	19.235	60.828	2.7027	420	176 400	20.494	64.807	2.3810
371	137 641	19.261	60.910	2.6954	421	177 241	20.518	64.885	2.3753
372	138 384	19.287	60.992	2.6882	422	178 084	20.543	64.962	2.3697
373	139 129	19.313	61.074	2.6810	423	178 929	20.567	65.038	2.3641
374	139 876	19.339	61.156	2.6738	424	179 776	20.591	65.115	2.3585
375	140 625	19.365	61.237	2.6667	425	180 625	20.616	65.192	2.3529
376	141 376	19.391	61.319	2.6596	426	181 476	20.640	65.269	2.3474
377	142 129	19.416	61.400	2.6525	427	182 329	20.664	65.345	2.3419
378	142 884	19.442	61.482	2.6455	428	183 184	20.688	65.422	2.3364
379	143 641	19.468	61.563	2.6385	429	184 041	20.712	65.498	2.3310
380	144 400	19.494	61.644	2.6316	430	184 900	20.736	65.574	2.3256
381	145 161	19.519	61.725	2.6247	431	185 761	20.761	65.651	2.3202
382	145 924	19.545	61.806	2.6178	432	186 624	20.785	65.727	2.3148
383	146 689	19.570	61.887	2.6110	433	187 489	20.809	65.803	2.3095
384	147 456	19.596	61.968	2.6042	434	188 356	20.833	65.879	2.3041
385	148 225	19.621	62.048	2.5974	435	189 225	20.857	65.955	2.2989
386	148 996	19.647	62.129	2.5907	436	190 096	20.881	66.030	2.2936
387	149 769	19.672	62.209	2.5840	437	190 969	20.905	66.106	2.2883
388	150 544	19.698	62.290	2.5773	438	191 844	20.928	66.182	2.2831
389	151 321	19.723	62.370	2.5707	439	192 721	20.952	66.257	2.2779
390	152 100	19.748	62.450	2.5641	440	193 600	20.976	66.333	2.2727
391	152 881	19.774	62.530	2.5575	441	194 481	21.000	66.408	2.2676
392	153 664	19.799	62.610	2.5510	442	195 364	21.024	66.483	2.2624
393	154 449	19.824	62.690	2.5445	443	196 249	21.048	66.558	2.2573
394	155 236	19.849	62.769	2.5381	444	197 136	21.071	66.633	2.2523
395	156 025	19.875	62.849	2.5316	445	198 025	21.095	66.708	2.2472
396	156 816	19.900	62.929	2.5253	446	198 916	21.119	66.783	2.2422
397	157 609	19.925	63.008	2.5189	447	199 809	21.142	66.858	2.2371
398	158 404	19.950	63.087	2.5126	448	200 704	21.166	66.933	2.2321
399	159 201	19.975	63.166	2.5063	449	201 601	21.190	67.007	2.2272
400	160 000	20.000	63.246	2.5000	450	202 500	21.213	67.082	2.2222
401	160 801	20.025	63.325	2.4938	451	203 401	21.237	67.157	2.2173
402	161 604	20.050	63.403	2.4876	452	204 304	21.260	67.231	2.2124
403	162 409	20.075	63.482	2.4814	453	205 209	21.284	67.305	2.2075
404	163 216	20.100	63.561	2.4752	454	206 116	21.307	67.380	2.2026
405	164 025	20.125	63.640	2.4691	455	207 025	21.331	67.454	2.1978
406	164 836	20.149	63.718	2.4631	456	207 936	21.354	67.528	2.1930
407	165 649	20.174	63.797	2.4570	457	208 849	21.378	67.602	2.1882
408	166 464	20.199	63.875	2.4510	458	209 764	21.401	67.676	2.1834
409	167 281	20.224	63.953	2.4450	459	210 681	21.424	67.750	2.1786

N	N ²	\sqrt{N}	$\sqrt{10N}$	1000/N	N	N ²	\sqrt{N}	$\sqrt{10N}$	1000/N
460	211 600	21.448	67.823	2.1739	510	260 100	22.583	71.414	1.9608
461	212 521	21.471	67.897	2.1692	511	261 121	22.605	71.484	1.9569
462	213 444	21.494	67.971	2.1645	512	262 144	22.627	71.554	1.9531
463	214 369	21.517	68.044	2.1508	513	263 169	22.650	71.624	1.9493
464	215 296	21.541	68.118	2.1552	514	264 196	22.672	71.694	1.9455
465	216 225	21.564	68.191	2.1505	515	265 225	22.694	71.764	1.9417
466	217 156	21.587	68.264	2.1459	516	266 256	22.716	71.833	1.9380
467	218 089	21.610	68.337	2.1413	517	267 289	22.738	71.903	1.9342
468	219 024	21.633	68.411	2.1368	518	268 324	22.760	71.972	1.9305
469	219 961	21.656	68.484	2.1322	519	269 361	22.782	72.042	1.9268
470	220 900	21.679	68.557	2.1277	520	270 400	22.804	72.111	1.9231
471	221 841	21.703	68.629	2.1231	521	271 441	22.825	72.180	1.9194
472	222 784	21.726	68.702	2.1186	522	272 484	22.847	72.250	1.9157
473	223 729	21.749	68.775	2.1142	523	273 529	22.869	72.319	1.9120
474	224 676	21.772	68.848	2.1097	524	274 576	22.891	72.388	1.9084
475	225 625	21.794	68.920	2.1053	525	275 625	22.913	72.457	1.9048
476	226 576	21.817	68.993	2.1008	526	276 676	22.935	72.526	1.9011
477	227 529	21.840	69.065	2.0964	527	277 729	22.956	72.595	1.8975
478	228 484	21.863	69.138	2.0921	528	278 784	22.978	72.664	1.8939
479	229 441	21.886	69.210	2.0877	529	279 841	23.000	72.732	1.8904
480	230 400	21.909	69.282	2.0833	530	280 900	23.022	72.801	1.8868
481	231 361	21.932	69.354	2.0790	531	281 961	23.043	72.870	1.8832
482	232 324	21.955	69.426	2.0747	532	283 024	23.065	72.938	1.8797
483	233 289	21.977	69.498	2.0704	533	284 089	23.087	73.007	1.8762
484	234 256	22.000	69.570	2.0661	534	285 156	23.108	73.075	1.8727
485	235 225	22.023	69.642	2.0619	535	286 225	23.130	73.144	1.8692
486	236 196	22.045	69.714	2.0576	536	287 296	23.152	73.212	1.8657
487	237 169	22.068	69.785	2.0534	537	288 369	23.173	73.280	1.8622
488	238 144	22.091	69.857	2.0492	538	289 444	23.195	73.348	1.8587
489	239 121	22.113	69.929	2.0450	539	290 521	23.216	73.417	1.8553
490	240 100	22.136	70.000	2.0408	540	291 600	23.238	73.485	1.8519
491	241 081	22.159	70.071	2.0367	541	292 681	23.259	73.553	1.8484
492	242 064	22.181	70.143	2.0325	542	293 764	23.281	73.621	1.8450
493	243 049	22.204	70.214	2.0284	543	294 849	23.302	73.689	1.8416
494	244 036	22.226	70.285	2.0243	544	295 936	23.324	73.756	1.8382
495	245 025	22.249	70.356	2.0202	545	297 025	23.345	73.824	1.8349
496	246 016	22.271	70.427	2.0161	546	298 116	23.367	73.892	1.8315
497	247 009	22.294	70.498	2.0121	547	299 209	23.388	73.959	1.8282
498	248 004	22.316	70.569	2.0080	548	300 304	23.409	74.027	1.8248
499	249 001	22.338	70.640	2.0040	549	301 401	23.431	74.095	1.8215
500	250 000	22.361	70.711	2.0000	550	302 500	23.452	74.162	1.8182
501	251 001	22.383	70.781	1.9960	551	303 601	23.473	74.229	1.8149
502	252 004	22.405	70.852	1.9920	552	304 704	23.495	74.297	1.8116
503	253 009	22.428	70.922	1.9881	553	305 809	23.516	74.364	1.8083
504	254 016	22.450	70.993	1.9841	554	306 916	23.537	74.431	1.8051
505	255 025	22.472	71.063	1.9802	555	308 025	23.558	74.498	1.8018
506	256 036	22.494	71.134	1.9763	556	309 136	23.580	74.565	1.7986
507	257 049	22.517	71.204	1.9724	557	310 249	23.601	74.632	1.7953
508	258 064	22.539	71.274	1.9685	558	311 364	23.622	74.699	1.7921
509	259 081	22.561	71.344	1.9646	559	312 481	23.643	74.766	1.7889

SQUARES, SQUARE ROOTS, AND RECIPROCAL

603

N	N ²	\sqrt{N}	$\sqrt{10N}$	1000/N	N	N ²	\sqrt{N}	$\sqrt{10N}$	1000/N
560	313 600	23.664	74.833	1.7857	610	372 100	24.698	78.103	1.6393
561	314 721	23.685	74.900	1.7825	611	373 321	24.718	78.166	1.6367
562	315 844	23.707	74.967	1.7794	612	374 544	24.739	78.230	1.6340
563	316 969	23.728	75.033	1.7762	613	375 769	24.759	78.294	1.6313
564	318 096	23.749	75.100	1.7731	614	376 996	24.779	78.358	1.6287
565	319 225	23.770	75.166	1.7699	615	378 225	24.799	78.422	1.6260
566	320 356	23.791	75.233	1.7668	616	379 456	24.819	78.486	1.6234
567	321 489	23.812	75.299	1.7637	617	380 689	24.839	78.549	1.6207
568	322 624	23.833	75.366	1.7606	618	381 924	24.860	78.613	1.6181
569	323 761	23.854	75.432	1.7575	619	383 161	24.880	78.677	1.6155
570	324 900	23.875	75.498	1.7544	620	384 400	24.900	78.740	1.6129
571	326 041	23.896	75.565	1.7513	621	385 641	24.920	78.804	1.6103
572	327 184	23.917	75.631	1.7483	622	386 884	24.940	78.867	1.6077
573	328 329	23.937	75.697	1.7452	623	388 129	24.960	78.930	1.6051
574	329 476	23.958	75.763	1.7422	624	389 376	24.980	78.994	1.6026
575	330 625	23.979	75.829	1.7391	625	390 625	25.000	79.057	1.6000
576	331 776	24.000	75.895	1.7361	626	391 876	25.020	79.120	1.5974
577	332 929	24.021	75.961	1.7331	627	393 129	25.040	79.183	1.5949
578	334 084	24.042	76.026	1.7301	628	394 384	25.060	79.246	1.5924
579	335 241	24.062	76.092	1.7271	629	395 641	25.080	79.310	1.5898
580	336 400	24.083	76.158	1.7241	630	396 900	25.100	79.373	1.5873
581	337 561	24.104	76.223	1.7212	631	398 161	25.120	79.436	1.5848
582	338 724	24.125	76.289	1.7182	632	399 424	25.140	79.498	1.5823
583	339 889	24.145	76.354	1.7153	633	400 689	25.159	79.561	1.5798
584	341 056	24.166	76.420	1.7123	634	401 956	25.179	79.624	1.5773
585	342 225	24.187	76.485	1.7094	635	403 225	25.199	79.687	1.5748
586	343 396	24.207	76.551	1.7065	636	404 496	25.219	79.750	1.5723
587	344 569	24.228	76.616	1.7036	637	405 769	25.239	79.812	1.5699
588	345 744	24.249	76.681	1.7007	638	407 044	25.259	79.875	1.5674
589	346 921	24.269	76.746	1.6978	639	408 321	25.278	79.937	1.5649
590	348 100	24.290	76.811	1.6949	640	409 600	25.298	80.000	1.5625
591	349 281	24.310	76.877	1.6920	641	410 881	25.318	80.062	1.5601
592	350 464	24.331	76.942	1.6892	642	412 164	25.338	80.125	1.5576
593	351 649	24.352	77.006	1.6863	643	413 449	25.357	80.187	1.5552
594	352 836	24.372	77.071	1.6835	644	414 736	25.377	80.250	1.5528
595	354 025	24.393	77.136	1.6807	645	416 025	25.397	80.312	1.5504
596	355 216	24.413	77.201	1.6779	646	417 316	25.417	80.374	1.5480
597	356 409	24.434	77.266	1.6750	647	418 609	25.436	80.436	1.5456
598	357 604	24.454	77.330	1.6722	648	419 904	25.456	80.498	1.5432
599	358 801	24.474	77.395	1.6694	649	421 201	25.475	80.561	1.5408
600	360 000	24.495	77.460	1.6667	650	422 500	25.495	80.623	1.5385
601	361 201	24.515	77.524	1.6639	651	423 801	25.515	80.685	1.5361
602	362 404	24.536	77.589	1.6611	652	425 104	25.534	80.747	1.5337
603	363 609	24.556	77.653	1.6584	653	426 409	25.554	80.808	1.5314
604	364 816	24.576	77.717	1.6556	654	427 716	25.573	80.870	1.5291
605	366 025	24.597	77.782	1.6529	655	429 025	25.593	80.932	1.5267
606	367 236	24.617	77.846	1.6502	656	430 336	25.613	80.994	1.5244
607	368 449	24.637	77.910	1.6474	657	431 649	25.632	81.056	1.5221
608	369 664	24.658	77.974	1.6447	658	432 964	25.652	81.117	1.5198
609	370 881	24.678	78.038	1.6420	659	434 281	25.671	81.179	1.5175

APPENDIX O

N	N ²	√N	√10N	1000/N	N	N ²	√N	√10N	1000/N
660	435 600	25.690	81.240	1.5152	710	504 100	26.646	84.262	1.4085
661	436 921	25.710	81.302	1.5129	711	505 521	26.665	84.321	1.4065
662	438 244	25.729	81.363	1.5106	712	506 944	26.683	84.380	1.4045
663	439 569	25.749	81.425	1.5083	713	508 369	26.702	84.439	1.4025
664	440 896	25.768	81.486	1.5060	714	509 796	26.721	84.499	1.4006
665	442 225	25.788	81.548	1.5038	715	511 225	26.739	84.558	1.3986
666	443 556	25.807	81.609	1.5015	716	512 656	26.758	84.617	1.3966
667	444 889	25.826	81.670	1.4993	717	514 089	26.777	84.676	1.3947
668	446 224	25.846	81.731	1.4970	718	515 524	26.796	84.735	1.3928
669	447 561	25.865	81.792	1.4948	719	516 961	26.814	84.794	1.3908
670	448 900	25.884	81.854	1.4925	720	518 400	26.833	84.853	1.3889
671	450 241	25.904	81.915	1.4903	721	519 841	26.851	84.912	1.3870
672	451 584	25.923	81.976	1.4881	722	521 284	26.870	84.971	1.3850
673	452 929	25.942	82.037	1.4859	723	522 729	26.889	85.029	1.3831
674	454 276	25.962	82.098	1.4837	724	524 176	26.907	85.088	1.3812
675	455 625	25.981	82.158	1.4815	725	525 625	26.926	85.147	1.3793
676	456 976	26.000	82.219	1.4793	726	527 076	26.944	85.206	1.3774
677	458 329	26.019	82.280	1.4771	727	528 529	26.963	85.264	1.3755
678	459 684	26.038	82.341	1.4749	728	529 984	26.981	85.323	1.3736
679	461 041	26.058	82.401	1.4728	729	531 441	27.000	85.382	1.3717
680	462 400	26.077	82.462	1.4706	730	532 900	27.019	85.440	1.3699
681	463 761	26.096	82.523	1.4684	731	534 361	27.037	85.499	1.3680
682	465 124	26.115	82.583	1.4663	732	535 824	27.056	85.557	1.3661
683	466 489	26.134	82.644	1.4641	733	537 289	27.074	85.615	1.3643
684	467 856	26.153	82.704	1.4620	734	538 756	27.092	85.674	1.3624
685	469 225	26.173	82.765	1.4599	735	540 225	27.111	85.732	1.3605
686	470 596	26.192	82.825	1.4577	736	541 696	27.129	85.790	1.3587
687	471 969	26.211	82.885	1.4556	737	543 169	27.148	85.849	1.3569
688	473 344	26.230	82.946	1.4535	738	544 644	27.166	85.907	1.3550
689	474 721	26.249	83.006	1.4514	739	546 121	27.185	85.965	1.3532
690	476 100	26.268	83.066	1.4493	740	547 600	27.203	86.023	1.3514
691	477 481	26.287	83.126	1.4472	741	549 081	27.221	86.081	1.3495
692	478 864	26.306	83.187	1.4451	742	550 564	27.240	86.139	1.3477
693	480 249	26.325	83.247	1.4430	743	552 049	27.258	86.197	1.3459
694	481 636	26.344	83.307	1.4409	744	553 536	27.276	86.255	1.3441
695	483 025	26.363	83.367	1.4388	745	555 025	27.295	86.313	1.3423
696	484 416	26.382	83.427	1.4368	746	556 516	27.313	86.371	1.3405
697	485 809	26.401	83.487	1.4347	747	558 009	27.331	86.429	1.3387
698	487 204	26.420	83.546	1.4327	748	559 504	27.350	86.487	1.3359
699	488 601	26.439	83.606	1.4306	749	561 001	27.368	86.545	1.3351
700	490 000	26.458	83.666	1.4286	750	562 500	27.386	86.603	1.3333
701	491 401	26.476	83.726	1.4265	751	564 001	27.404	86.660	1.3316
702	492 804	26.495	83.785	1.4245	752	565 504	27.423	86.718	1.3298
703	494 209	26.514	83.845	1.4225	753	567 009	27.441	86.776	1.3280
704	495 616	26.533	83.905	1.4205	754	568 516	27.459	86.833	1.3263
705	497 026	26.552	83.964	1.4184	755	570 025	27.477	86.891	1.3245
706	498 436	26.571	84.024	1.4164	756	571 536	27.495	86.948	1.3228
707	499 849	26.589	84.083	1.4144	757	573 049	27.514	87.006	1.3210
708	501 264	26.608	84.143	1.4124	758	574 564	27.532	87.063	1.3193
709	502 681	26.627	84.202	1.4104	759	576 081	27.550	87.121	1.3175

SQUARES, SQUARE ROOTS, AND RECIPROCAL

605

N	N ²	\sqrt{N}	$\sqrt{10N}$	1000/N	N	N ²	\sqrt{N}	$\sqrt{10N}$	1000/N
760	577 600	27.568	87.178	1.3158	810	656 100	28.461	90.000	1.2346
761	579 121	27.586	87.235	1.3141	811	657 721	28.478	90.056	1.2330
762	580 644	27.604	87.293	1.3123	812	659 344	28.496	90.111	1.2315
763	582 169	27.622	87.350	1.3106	813	660 969	28.513	90.167	1.2300
764	583 696	27.641	87.407	1.3089	814	662 596	28.531	90.222	1.2285
765	585 225	27.659	87.464	1.3072	815	664 225	28.548	90.277	1.2270
766	586 756	27.677	87.521	1.3055	816	665 856	28.566	90.333	1.2255
767	588 289	27.695	87.579	1.3038	817	667 489	28.583	90.388	1.2240
768	589 824	27.713	87.636	1.3021	818	669 124	28.601	90.443	1.2225
769	591 361	27.731	87.693	1.3004	819	670 761	28.618	90.499	1.2210
770	592 900	27.749	87.750	1.2987	820	672 400	28.636	90.554	1.2195
771	594 441	27.767	87.807	1.2970	821	674 041	28.653	90.609	1.2180
772	595 984	27.785	87.864	1.2953	822	675 684	28.671	90.664	1.2165
773	597 529	27.803	87.920	1.2937	823	677 329	28.688	90.719	1.2151
774	599 076	27.821	87.977	1.2920	824	678 976	28.705	90.774	1.2136
775	600 625	27.839	88.034	1.2903	825	680 625	28.723	90.830	1.2121
776	602 176	27.857	88.091	1.2887	826	682 276	28.740	90.885	1.2107
777	603 729	27.875	88.148	1.2870	827	683 929	28.758	90.940	1.2092
778	605 284	27.893	88.204	1.2853	828	685 584	28.775	90.995	1.2077
779	606 841	27.911	88.261	1.2837	829	687 241	28.792	91.049	1.2063
780	608 400	27.928	88.318	1.2821	830	688 900	28.810	91.104	1.2048
781	609 961	27.946	88.374	1.2804	831	690 561	28.827	91.159	1.2034
782	611 524	27.964	88.431	1.2788	832	692 224	28.844	91.214	1.2019
783	613 089	27.982	88.487	1.2771	833	693 889	28.862	91.269	1.2005
784	614 656	28.000	88.544	1.2755	834	695 556	28.879	91.324	1.1990
785	616 225	28.018	88.600	1.2739	835	697 225	28.896	91.378	1.1976
786	617 796	28.036	88.657	1.2723	836	698 896	28.914	91.433	1.1962
787	619 369	28.054	88.713	1.2706	837	700 569	28.931	91.488	1.1947
788	620 944	28.071	88.769	1.2690	838	702 244	28.948	91.542	1.1933
789	622 521	28.089	88.826	1.2674	839	703 921	28.966	91.597	1.1919
790	624 100	28.107	88.882	1.2658	840	705 600	28.983	91.652	1.1905
791	625 681	28.125	88.938	1.2642	841	707 281	29.000	91.706	1.1891
792	627 264	28.142	88.994	1.2626	842	708 964	29.017	91.761	1.1876
793	628 849	28.160	89.051	1.2610	843	710 649	29.034	91.815	1.1862
794	630 436	28.178	89.107	1.2594	844	712 336	29.052	91.869	1.1848
795	632 025	28.196	89.163	1.2579	845	714 025	29.069	91.924	1.1834
796	633 616	28.213	89.219	1.2563	846	715 716	29.086	91.978	1.1820
797	635 209	28.231	89.275	1.2547	847	717 409	29.103	92.033	1.1806
798	636 804	28.249	89.331	1.2531	848	719 104	29.120	92.087	1.1792
799	638 401	28.267	89.387	1.2516	849	720 801	29.138	92.141	1.1779
800	640 000	28.284	89.443	1.2500	850	722 500	29.155	92.195	1.1765
801	641 601	28.302	89.499	1.2484	851	724 201	29.172	92.250	1.1751
802	643 204	28.320	89.554	1.2469	852	725 904	29.189	92.304	1.1737
803	644 809	28.337	89.610	1.2453	853	727 609	29.206	92.358	1.1723
804	646 416	28.355	89.666	1.2438	854	729 316	29.223	92.412	1.1710
805	648 025	28.373	89.722	1.2422	855	731 025	29.240	92.466	1.1696
806	649 636	28.390	89.778	1.2407	856	732 736	29.257	92.520	1.1682
807	651 249	28.408	89.833	1.2392	857	734 449	29.275	92.574	1.1669
808	652 864	28.425	89.889	1.2376	858	736 164	29.292	92.628	1.1655
809	654 481	28.443	89.944	1.2361	859	737 881	29.309	92.682	1.1641

APPENDIX O

N	N ²	\sqrt{N}	$\sqrt{10N}$	1000/N	N	N ²	\sqrt{N}	$\sqrt{10N}$	1000/N
860	739 600	29.326	92.736	1.1628	910	828 100	30.166	95.394	1.0989
861	741 321	29.343	92.790	1.1614	911	829 921	30.183	95.446	1.0977
862	743 044	29.360	92.844	1.1601	912	831 744	30.199	95.499	1.0965
863	744 769	29.377	92.898	1.1587	913	833 569	30.216	95.551	1.0953
864	746 496	29.394	92.952	1.1574	914	835 396	30.232	95.603	1.0941
865	748 225	29.411	93.005	1.1561	915	837 225	30.249	95.656	1.0929
866	749 956	29.428	93.059	1.1547	916	839 056	30.265	95.708	1.0917
867	751 689	29.445	93.113	1.1534	917	840 889	30.282	95.760	1.0905
868	753 424	29.462	93.167	1.1521	918	842 724	30.299	95.812	1.0893
869	755 161	29.479	93.220	1.1507	919	844 561	30.315	95.864	1.0881
870	756 900	29.496	93.274	1.1494	920	846 400	30.332	95.917	1.0870
871	758 641	29.513	93.327	1.1481	921	848 241	30.348	95.969	1.0858
872	760 384	29.530	93.381	1.1468	922	850 084	30.364	96.021	1.0846
873	762 129	29.547	93.434	1.1455	923	851 929	30.381	96.073	1.0834
874	763 876	29.563	93.488	1.1442	924	853 776	30.397	96.125	1.0823
875	765 625	29.580	93.541	1.1429	925	855 625	30.414	96.177	1.0811
876	767 376	29.597	93.595	1.1416	926	857 476	30.430	96.229	1.0799
877	769 129	29.614	93.648	1.1403	927	859 329	30.447	96.281	1.0787
878	770 884	29.631	93.702	1.1390	928	861 184	30.463	96.333	1.0776
879	772 641	29.648	93.755	1.1377	929	863 041	30.480	96.385	1.0764
880	774 400	29.665	93.808	1.1364	930	864 900	30.496	96.437	1.0753
881	776 161	29.682	93.862	1.1351	931	866 761	30.512	96.488	1.0741
882	777 924	29.698	93.915	1.1338	932	868 624	30.529	96.540	1.0730
883	779 689	29.715	93.968	1.1325	933	870 489	30.545	96.592	1.0718
884	781 456	29.732	94.021	1.1312	934	872 356	30.561	96.644	1.0707
885	783 225	29.749	94.074	1.1299	935	874 225	30.578	96.695	1.0695
886	784 996	29.766	94.128	1.1287	936	876 096	30.594	96.747	1.0684
887	786 769	29.783	94.181	1.1274	937	877 969	30.610	96.799	1.0672
888	788 544	29.799	94.234	1.1261	938	879 844	30.627	96.850	1.0661
889	790 321	29.816	94.287	1.1249	939	881 721	30.643	96.902	1.0650
890	792 100	29.833	94.340	1.1236	940	883 600	30.659	96.954	1.0638
891	793 881	29.850	94.393	1.1223	941	885 481	30.676	96.005	1.0627
892	795 664	29.866	94.446	1.1211	942	887 364	30.692	97.057	1.0616
893	797 449	29.883	94.499	1.1198	943	889 249	30.708	97.108	1.0604
894	799 236	29.900	94.552	1.1186	944	891 136	30.725	97.160	1.0593
895	801 025	29.917	94.604	1.1173	945	893 025	30.741	97.211	1.0582
896	802 816	29.933	94.657	1.1161	946	894 916	30.757	97.263	1.0571
897	804 609	29.950	94.710	1.1148	947	896 809	30.773	97.314	1.0560
898	806 404	29.967	94.763	1.1136	948	898 704	30.790	97.365	1.0549
899	808 201	29.983	94.816	1.1123	949	900 601	30.806	97.417	1.0537
900	810 000	30.000	94.868	1.1111	950	902 500	30.822	97.468	1.0526
901	811 801	30.017	94.921	1.1099	951	904 401	30.838	97.519	1.0515
902	813 604	30.033	94.974	1.1086	952	906 304	30.855	97.570	1.0504
903	815 409	30.050	94.026	1.1074	953	908 209	30.871	97.622	1.0493
904	817 216	30.067	95.079	1.1062	954	910 116	30.887	97.673	1.0482
905	819 025	30.083	95.131	1.1050	955	912 025	30.903	97.724	1.0471
906	820 836	30.100	95.184	1.1038	956	913 936	30.919	97.775	1.0460
907	822 649	30.116	95.237	1.1025	957	915 849	30.935	97.826	1.0449
908	824 464	30.133	95.289	1.1013	958	917 764	30.952	97.877	1.0438
909	826 281	30.150	95.341	1.1001	959	919 681	30.968	97.929	1.0428

SQUARES, SQUARE ROOTS, AND RECIPROCAL

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N	N ²	\sqrt{N}	$\sqrt{10N}$	1000/N	N	N ²	\sqrt{N}	$\sqrt{10N}$	1000/N
960	921 600	30.984	97.980	1.0417	980	960 400	31.305	98.995	1.0204
961	923 521	31.000	98.031	1.0406	981	962 361	31.321	99.045	1.0194
962	925 444	31.016	98.082	1.0395	982	964 324	31.337	99.096	1.0183
963	927 369	31.032	98.133	1.0384	983	966 289	31.353	99.146	1.0173
964	929 296	31.048	98.184	1.0373	984	968 256	31.369	99.197	1.0163
965	931 225	31.064	98.234	1.0363	985	970 225	31.385	99.247	1.0152
966	933 156	31.081	98.285	1.0352	986	972 196	31.401	99.298	1.0142
967	935 089	31.097	98.336	1.0341	987	974 169	31.417	99.348	1.0132
968	937 024	31.113	98.387	1.0331	988	976 144	31.432	99.398	1.0121
969	938 961	31.129	98.438	1.0320	989	978 121	31.448	99.448	1.0111
970	940 900	31.145	98.489	1.0309	990	980 100	31.464	99.499	1.0101
971	942 841	31.161	98.539	1.0299	991	982 081	31.480	99.549	1.0091
972	944 784	31.177	98.590	1.0288	992	984 064	31.496	99.599	1.0081
973	946 729	31.193	98.641	1.0277	993	986 049	31.512	99.649	1.0070
974	948 676	31.209	98.691	1.0267	994	988 036	31.528	99.700	1.0060
975	950 625	31.225	98.742	1.0256	995	990 025	31.544	99.750	1.0050
976	952 576	31.241	98.793	1.0246	996	992 016	31.559	99.800	1.0040
977	954 529	31.257	98.843	1.0235	997	994 009	31.575	99.850	1.0030
978	956 484	31.273	98.894	1.0225	998	996 004	31.591	99.900	1.0020
979	958 441	31.289	98.944	1.0215	999	998 001	31.607	99.950	1.0010