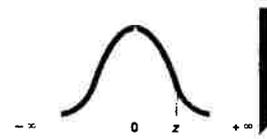


# APPENDICES

## APPENDIX I

**CUMULATIVE PROBABILITIES OF THE NORMAL DISTRIBUTION**  
(Areas under the Standardized Normal Curve from  $-\infty$  to  $Z$ )



Z	0.00	0.01	0.02	0.03	0.04	0.05	0.06	0.07	0.08	0.09
0.0	0.5000	0.5040	0.5080	0.5120	0.5160	0.5199	0.5239	0.5279	0.5319	0.5359
0.1	0.5389	0.5438	0.5478	0.5517	0.5557	0.5596	0.5636	0.5675	0.5714	0.5753
0.2	0.5793	0.5832	0.5871	0.5910	0.5948	0.5987	0.6026	0.6064	0.6103	0.6141
0.3	0.6179	0.6217	0.6255	0.6293	0.6331	0.6368	0.6406	0.6443	0.6480	0.6517
0.4	0.6554	0.6591	0.6628	0.6664	0.6700	0.6736	0.6772	0.6808	0.6844	0.6879
0.5	0.6915	0.6950	0.6985	0.7019	0.7054	0.7088	0.7123	0.7157	0.7190	0.7224
0.6	0.7257	0.7291	0.7324	0.7357	0.7389	0.7422	0.7454	0.7486	0.7517	0.7549
0.7	0.7580	0.7611	0.7642	0.7673	0.7704	0.7734	0.7764	0.7794	0.7823	0.7852
0.8	0.7881	0.7910	0.7939	0.7967	0.7995	0.8023	0.8051	0.8078	0.8106	0.8133
0.9	0.8159	0.8186	0.8212	0.8238	0.8264	0.8289	0.8315	0.8340	0.8365	0.8389
1.0	0.8413	0.8438	0.8461	0.8485	0.8508	0.8531	0.8554	0.8577	0.8599	0.8621
1.1	0.8643	0.8665	0.8686	0.8708	0.8729	0.8749	0.8770	0.8790	0.8810	0.8830
1.2	0.8849	0.8869	0.8888	0.8907	0.8925	0.8944	0.8962	0.8980	0.8997	0.9015
1.3	0.9032	0.9049	0.9066	0.9082	0.9099	0.9115	0.9131	0.9147	0.9162	0.9177
1.4	0.9192	0.9207	0.9222	0.9236	0.9251	0.9265	0.9279	0.9292	0.9306	0.9319
1.5	0.9332	0.9345	0.9357	0.9370	0.9382	0.9394	0.9406	0.9418	0.9429	0.9441
1.6	0.9452	0.9463	0.9474	0.9484	0.9495	0.9505	0.9515	0.9525	0.9535	0.9545
1.7	0.9554	0.9564	0.9573	0.9582	0.9591	0.9599	0.9608	0.9616	0.9625	0.9633
1.8	0.9641	0.9649	0.9656	0.9664	0.9671	0.9678	0.9686	0.9693	0.9699	0.9706
1.9	0.9713	0.9719	0.9726	0.9732	0.9738	0.9744	0.9750	0.9756	0.9761	0.9767
2.0	0.9772	0.9778	0.9783	0.9788	0.9793	0.9798	0.9803	0.9808	0.9812	0.9817
2.1	0.9821	0.9826	0.9830	0.9834	0.9838	0.9842	0.9846	0.9850	0.9854	0.9857
2.2	0.9861	0.9864	0.9868	0.9871	0.9875	0.9878	0.9881	0.9884	0.9887	0.9890
2.3	0.9893	0.9896	0.9898	0.9901	0.9904	0.9906	0.9909	0.9911	0.9913	0.9916
2.4	0.9918	0.9920	0.9922	0.9925	0.9927	0.9929	0.9931	0.9932	0.9934	0.9936
2.5	0.9938	0.9940	0.9941	0.9943	0.9945	0.9946	0.9948	0.9949	0.9951	0.9952
2.6	0.9953	0.9955	0.9956	0.9957	0.9959	0.9960	0.9961	0.9962	0.9963	0.9964
2.7	0.9965	0.9966	0.9967	0.9968	0.9969	0.9970	0.9971	0.9972	0.9973	0.9974
2.8	0.9974	0.9975	0.9976	0.9977	0.9977	0.9978	0.9979	0.9979	0.9980	0.9981
2.9	0.9981	0.9982	0.9982	0.9983	0.9984	0.9984	0.9985	0.9985	0.9986	0.9986
3.0	0.9987	0.9987	0.9987	0.9988	0.9988	0.9989	0.9989	0.9989	0.9990	0.9990
3.1	0.9990	0.9991	0.9991	0.9991	0.9992	0.9992	0.9992	0.9992	0.9993	0.9993
3.2	0.9993	0.9993	0.9994	0.9994	0.9994	0.9994	0.9994	0.9995	0.9995	0.9995
3.3	0.9995	0.9995	0.9995	0.9996	0.9996	0.9996	0.9996	0.9996	0.9996	0.9997
3.4	0.9997	0.9997	0.9997	0.9997	0.9997	0.9997	0.9997	0.9997	0.9997	0.9998

APPENDIX II

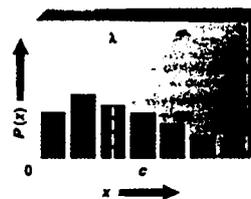
LEARNING CURVE TABLES

95%				90%				85%			
UNIT NUMBER	TIME FOR UNIT	CUMULATIVE TOTAL TIME FOR ALL UNITS	CUMULATIVE AVERAGE TIME OVER ALL UNITS	UNIT NUMBER	TIME FOR UNIT	CUMULATIVE TOTAL TIME FOR ALL UNITS	CUMULATIVE AVERAGE TIME OVER ALL UNITS	UNIT NUMBER	TIME FOR UNIT	CUMULATIVE TOTAL TIME FOR ALL UNITS	CUMULATIVE AVERAGE TIME OVER ALL UNITS
1	1.00000	1.00000	1.00000	1	1.00000	1.00000	1.00000	1	1.00000	1.00000	1.00000
2	0.95000	1.95000	0.97500	2	0.90000	1.90000	0.95000	2	0.85000	1.85000	0.92500
4	0.90025	3.77044	0.94536	4	0.81000	3.55622	0.88901	4	0.77225	3.34554	0.83644
5	0.88877	4.66211	0.93334	5	4.33391	5.88447	0.86878	5	0.68857	4.03110	0.80642
7	0.86559	6.40319	0.91448	7	0.74438	7.99445	0.83350	7	0.63317	5.32117	0.76612
10	0.84933	8.95445	0.89544	10	0.70437	11.38317	0.79944	10	0.58828	7.11161	0.71116
15	0.81844	13.09211	0.87281	15	0.66426	14.60788	0.75889	15	0.55100	9.86111	0.65744
20	0.80112	17.13302	0.85645	20	0.63442	17.71332	0.73004	20	0.49954	12.40223	0.62001
25	0.78880	21.09533	0.84338	25	0.61111	20.72692	0.70885	25	0.47011	14.80007	0.59220
30	0.77775	25.00332	0.83334	30	0.59663	23.65427	0.69009	30	0.45005	17.09907	0.56987
40	0.76111	32.68338	0.81971	40	0.57908	26.54277	0.66336	40	0.42111	19.29077	0.54920
50	0.74886	40.22339	0.80845	50	0.55518	32.14220	0.64428	50	0.39966	21.42522	0.53356
70	0.73302	54.99224	0.78556	70	0.52343	42.87066	0.61244	70	0.36996	25.51311	0.51003
100	0.71112	76.58664	0.76559	100	0.49666	58.14110	0.58144	100	0.33997	33.31664	0.47778
200	0.67556	145.69229	0.72185	200	0.44699	104.90641	0.52498	200	0.28887	43.75339	0.43375
300	0.65537	212.17722	0.70733	300	0.42022	148.20440	0.49440	300	0.26225	54.75339	0.41408
400	0.64439	277.01211	0.69225	400	0.40222	189.26268	0.47332	400	0.24854	67.56900	0.39169
500	0.63314	340.64372	0.68113	500	0.38889	228.78851	0.45756	500	0.23329	82.45504	0.38029
700	0.61558	465.26448	0.66447	700	0.36894	304.47557	0.43450	700	0.21552	100.13444	0.36280
1,000	0.59998	647.44633	0.64744	1,000	0.34909	412.17118	0.41222	1,000	0.19800	127.91800	0.34759
1,500	0.58821	842.58870	0.62844	1,500	0.33290	581.49952	0.38777	1,500	0.18000	166.13444	0.32847
2,000	0.56998	1,120.37966	0.61512	2,000	0.31492	742.28854	0.37111	2,000	0.16883	215.91800	0.31492
2,500	0.56005	1,512.84886	0.60651	2,500	0.30444	897.03922	0.35888	2,500	0.15997	277.91800	0.29986
3,000	0.55310	1,791.13966	0.59709	3,000	0.29661	1,047.07710	0.34990	3,000	0.15330	352.03333	0.28683
3,500	0.54667	2,066.00335	0.59033	3,500	0.28893	1,193.36881	0.34141	3,500	0.14876	438.92766	0.27495
4,000	0.54133	2,337.96722	0.58445	4,000	0.28234	1,336.50557	0.33341	4,000	0.14430	520.81887	0.26467
5,000	0.53335	2,874.41233	0.57449	5,000	0.27440	1,614.67095	0.32329	5,000	0.13857	674.03333	0.25772

80%				75%			
UNIT NUMBER	TIME FOR UNIT	CUMULATIVE TOTAL TIME FOR ALL UNITS	CUMULATIVE AVERAGE TIME OVER ALL UNITS	UNIT NUMBER	TIME FOR UNIT	CUMULATIVE TOTAL TIME FOR ALL UNITS	CUMULATIVE AVERAGE TIME OVER ALL UNITS
1	1.0000	1.0000	1.0000	1	1.0000	1.0000	1.0000
2	0.8000	1.8000	0.9000	2	0.7500	1.7500	0.8750
4	0.6400	3.1421	0.7855	4	0.5625	2.9463	0.7366
5	0.5956	3.7378	0.7475	5	0.5127	3.4591	0.6918
7	0.5345	4.8340	0.6906	7	0.4459	4.3837	0.6258
10	0.4765	6.3154	0.6315	10	0.3846	5.5886	0.5589
15	0.4182	8.5105	0.5674	15	0.3250	7.3190	0.4879
20	0.3812	10.4849	0.5242	20	0.2884	8.8284	0.4414
25	0.3548	12.3086	0.4923	25	0.2629	10.1907	0.4076
30	0.3346	14.0199	0.4673	30	0.2437	11.4458	0.3815
40	0.3050	17.1935	0.4298	40	0.2163	13.7232	0.3531
50	0.2838	20.1217	0.4024	50	0.1972	15.7761	0.3155
70	0.2547	25.4708	0.3639	70	0.1715	19.4296	0.2776
100	0.2271	32.6508	0.3265	100	0.1479	24.1786	0.2418
200	0.1816	52.7200	0.2636	200	0.1109	36.8007	0.1840
300	0.1594	69.6634	0.2322	300	0.0937	46.9427	0.1565
400	0.1453	84.8487	0.2121	400	0.0832	55.7577	0.1394
500	0.1352	98.8472	0.1977	500	0.0758	63.6753	0.1274
700	0.1214	124.3984	0.1777	700	0.0659	77.7693	0.1111
1,000	0.1082	158.6709	0.1587	1,000	0.0569	96.0728	0.0961
1,500	0.0950	209.1580	0.1394	1,500	0.0481	122.0917	0.0814
2,000	0.0866	254.3996	0.1272	2,000	0.0427	144.6762	0.0723
2,500	0.0806	296.1018	0.1184	2,500	0.0389	165.0079	0.0660
3,000	0.0760	355.1843	0.1117	3,000	0.0360	183.7078	0.0612
3,500	0.0723	372.2146	0.1063	3,500	0.0338	201.1512	0.0575
4,000	0.0692	407.5742	0.1019	4,000	0.0320	217.5865	0.0544
5,000	0.0644	474.3001	0.0949	5,000	0.0292	247.5119	0.0495

Appendix III (continued)

λ OR mp	λ OR mp																
	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
2.2	0.111	0.355	0.623	0.819	0.928	0.975	0.993	0.998	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2.4	0.091	0.308	0.570	0.779	0.904	0.964	0.988	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2.6	0.074	0.267	0.518	0.736	0.877	0.951	0.983	0.995	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2.8	0.061	0.231	0.469	0.692	0.848	0.935	0.976	0.992	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
3.0	0.050	0.199	0.423	0.647	0.815	0.916	0.966	0.988	0.996	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000
3.2	0.041	0.171	0.380	0.603	0.781	0.895	0.955	0.983	0.994	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000
3.4	0.033	0.147	0.340	0.558	0.744	0.871	0.942	0.977	0.992	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.000
3.6	0.027	0.126	0.303	0.515	0.706	0.844	0.927	0.969	0.988	0.996	0.999	1.000	1.000	1.000	1.000	1.000	1.000
3.8	0.022	0.107	0.269	0.473	0.668	0.816	0.909	0.960	0.984	0.994	0.999	1.000	1.000	1.000	1.000	1.000	1.000
4.0	0.018	0.092	0.238	0.433	0.629	0.785	0.889	0.949	0.979	0.992	0.999	1.000	1.000	1.000	1.000	1.000	1.000
4.2	0.015	0.078	0.210	0.395	0.590	0.753	0.867	0.936	0.972	0.989	0.998	1.000	1.000	1.000	1.000	1.000	1.000
4.4	0.012	0.066	0.185	0.359	0.551	0.720	0.844	0.921	0.964	0.985	0.997	1.000	1.000	1.000	1.000	1.000	1.000
4.6	0.010	0.056	0.163	0.326	0.513	0.686	0.818	0.905	0.955	0.980	0.995	1.000	1.000	1.000	1.000	1.000	1.000
4.8	0.008	0.048	0.143	0.294	0.476	0.651	0.791	0.887	0.944	0.975	0.994	1.000	1.000	1.000	1.000	1.000	1.000
5.0	0.007	0.040	0.125	0.265	0.440	0.616	0.762	0.867	0.932	0.968	0.992	1.000	1.000	1.000	1.000	1.000	1.000
5.2	0.006	0.034	0.109	0.238	0.406	0.581	0.732	0.845	0.918	0.960	0.991	1.000	1.000	1.000	1.000	1.000	1.000
5.4	0.005	0.029	0.095	0.213	0.373	0.546	0.702	0.822	0.903	0.951	0.986	1.000	1.000	1.000	1.000	1.000	1.000
5.6	0.004	0.024	0.082	0.191	0.342	0.512	0.670	0.797	0.886	0.941	0.987	1.000	1.000	1.000	1.000	1.000	1.000
5.8	0.003	0.021	0.072	0.170	0.313	0.478	0.638	0.771	0.867	0.929	0.987	1.000	1.000	1.000	1.000	1.000	1.000
6.0	0.002	0.017	0.062	0.151	0.285	0.446	0.606	0.744	0.847	0.916	0.987	1.000	1.000	1.000	1.000	1.000	1.000
2.8	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
3.0	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
3.2	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
3.4	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
3.6	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
3.8	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
4.0	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
4.2	0.996	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
4.4	0.994	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
4.6	0.992	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
4.8	0.990	0.996	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
5.0	0.986	0.995	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
5.2	0.982	0.993	0.997	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
5.4	0.977	0.990	0.996	0.999	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
5.6	0.972	0.988	0.995	0.998	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
5.8	0.965	0.984	0.993	0.997	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
6.0	0.957	0.980	0.991	0.996	0.999	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000



**APPENDIX III**

**CUMULATIVE POISSON PROBABILITIES**  $P(x \leq c | \lambda) = \sum_{x=0}^{x=c} \frac{\lambda^x e^{-\lambda}}{x!}$

$\lambda$ OR $np$	0	1	2	3	4	5	6	7	8	9
0.02	0.980	1.000								
0.04	0.961	0.999	1.000							
0.06	0.942	0.998	1.000							
0.08	0.923	0.997	1.000							
0.10	0.905	0.995	1.000							
0.15	0.861	0.990	0.999	1.000						
0.20	0.819	0.982	0.999	1.000						
0.25	0.779	0.974	0.998	1.000						
0.30	0.741	0.963	0.996	1.000						
0.35	0.705	0.951	0.994	1.000						
0.40	0.670	0.938	0.992	0.999	1.000					
0.45	0.638	0.925	0.989	0.999	1.000					
0.50	0.607	0.910	0.986	0.998	1.000					
0.55	0.577	0.894	0.982	0.998	1.000					
0.60	0.549	0.878	0.977	0.997	1.000					
0.65	0.522	0.861	0.972	0.996	0.999	1.000				
0.70	0.497	0.844	0.966	0.994	0.999	1.000				
0.75	0.472	0.827	0.959	0.993	0.999	1.000				
0.80	0.449	0.809	0.953	0.991	0.999	1.000				
0.85	0.427	0.791	0.945	0.989	0.998	1.000				
0.90	0.407	0.772	0.937	0.987	0.998	1.000				
0.95	0.387	0.754	0.929	0.984	0.997	1.000				
1.00	0.368	0.736	0.920	0.981	0.996	0.999	1.000			
1.10	0.333	0.699	0.900	0.974	0.995	0.999	1.000			
1.20	0.301	0.663	0.879	0.966	0.992	0.998	1.000			
1.30	0.273	0.627	0.857	0.957	0.989	0.998	1.000			
1.40	0.247	0.592	0.833	0.946	0.986	0.997	0.999	1.000		
1.50	0.223	0.558	0.809	0.934	0.981	0.996	0.999	1.000		
1.60	0.202	0.525	0.783	0.921	0.976	0.994	0.999	1.000		
1.70	0.183	0.493	0.757	0.907	0.970	0.992	0.998	1.000		
1.80	0.165	0.463	0.731	0.891	0.964	0.990	0.997	0.999	1.000	
1.90	0.150	0.434	0.704	0.875	0.956	0.987	0.997	0.999	1.000	
2.00	0.135	0.406	0.677	0.857	0.947	0.983	0.995	0.999	1.000	

Appendix III (continued)

$\lambda$ OR np	$c$									
	0	1	2	3	4	5	6	7	8	9
6.2	0.002	0.015	0.054	0.134	0.259	0.414	0.574	0.716	0.826	0.902
6.4	0.002	0.012	0.046	0.119	0.235	0.384	0.542	0.687	0.803	0.886
6.6	0.001	0.010	0.040	0.105	0.213	0.355	0.511	0.658	0.780	0.869
6.8	0.001	0.009	0.034	0.093	0.192	0.327	0.480	0.628	0.755	0.850
7.0	0.001	0.007	0.030	0.082	0.173	0.301	0.450	0.599	0.729	0.830
7.2	0.001	0.006	0.025	0.072	0.156	0.276	0.420	0.569	0.703	0.810
7.4	0.001	0.005	0.022	0.063	0.140	0.253	0.392	0.539	0.676	0.788
7.6	0.001	0.004	0.019	0.055	0.125	0.231	0.365	0.510	0.648	0.765
7.8	0.000	0.004	0.016	0.048	0.112	0.210	0.338	0.481	0.620	0.741
8.0	0.000	0.003	0.014	0.042	0.100	0.191	0.313	0.453	0.593	0.717
8.5	0.000	0.002	0.009	0.030	0.074	0.150	0.256	0.386	0.523	0.653
9.0	0.000	0.001	0.006	0.021	0.055	0.116	0.207	0.324	0.456	0.587
9.5	0.000	0.001	0.004	0.015	0.040	0.089	0.165	0.269	0.392	0.522
10.0	0.000	0.000	0.003	0.010	0.029	0.067	0.130	0.220	0.333	0.458
	10	11	12	13	14	15	16	17	18	19
6.2	0.949	0.975	0.989	0.995	0.998	0.999	1.000			
6.4	0.939	0.969	0.986	0.994	0.997	0.999	1.000			
6.6	0.927	0.963	0.982	0.992	0.997	0.999	0.999	1.000		
6.8	0.915	0.955	0.978	0.990	0.996	0.998	0.999	1.000		
7.0	0.901	0.947	0.973	0.987	0.996	0.998	0.999	1.000		
7.2	0.887	0.937	0.967	0.984	0.993	0.997	0.999	0.999	1.000	
7.4	0.871	0.926	0.961	0.980	0.991	0.996	0.998	0.999	1.000	
7.6	0.854	0.915	0.954	0.976	0.989	0.995	0.998	0.999	1.000	
7.8	0.835	0.902	0.945	0.971	0.986	0.993	0.997	0.999	1.000	
8.0	0.816	0.888	0.936	0.966	0.983	0.992	0.996	0.998	0.999	1.000
8.5	0.763	0.849	0.909	0.949	0.973	0.986	0.993	0.997	0.999	0.999
9.0	0.706	0.803	0.876	0.926	0.959	0.978	0.989	0.995	0.998	0.999
9.5	0.645	0.752	0.836	0.898	0.940	0.967	0.982	0.991	0.996	0.998
10.0	0.583	0.697	0.792	0.864	0.917	0.951	0.973	0.986	0.993	0.997
	20	21	22							
8.5	1.000									
9.0	1.000									
9.5	0.999	1.000								
10.0	0.998	0.999	1.000							

Appendix III (continued)

$\lambda$ OR $np'$	$c$									
	0	1	2	3	4	5	6	7	8	9
10.5	0.000	0.000	0.002	0.007	0.021	0.050	0.102	0.179	0.279	0.397
11.0	0.000	0.000	0.001	0.005	0.015	0.038	0.079	0.143	0.232	0.341
11.5	0.000	0.000	0.001	0.003	0.011	0.028	0.060	0.114	0.191	0.289
12.0	0.000	0.000	0.001	0.002	0.008	0.020	0.046	0.090	0.155	0.242
12.5	0.000	0.000	0.000	0.002	0.005	0.015	0.035	0.070	0.125	0.201
13.0	0.000	0.000	0.000	0.001	0.004	0.011	0.026	0.054	0.100	0.166
13.5	0.000	0.000	0.000	0.001	0.003	0.008	0.019	0.041	0.079	0.135
14.0	0.000	0.000	0.000	0.000	0.002	0.006	0.014	0.032	0.062	0.109
14.5	0.000	0.000	0.000	0.000	0.001	0.004	0.010	0.024	0.048	0.088
15.0	0.000	0.000	0.000	0.000	0.001	0.003	0.008	0.018	0.037	0.070
	10	11	12	13	14	15	16	17	18	19
10.5	0.521	0.639	0.742	0.825	0.888	0.932	0.960	0.978	0.988	0.994
11.0	0.460	0.579	0.689	0.781	0.854	0.907	0.944	0.968	0.982	0.991
11.5	0.402	0.520	0.633	0.733	0.815	0.878	0.924	0.954	0.974	0.986
12.0	0.347	0.462	0.576	0.682	0.772	0.844	0.899	0.937	0.963	0.979
12.5	0.297	0.406	0.519	0.628	0.725	0.806	0.869	0.916	0.948	0.969
13.0	0.252	0.353	0.463	0.573	0.675	0.764	0.835	0.890	0.930	0.957
13.5	0.211	0.304	0.409	0.518	0.623	0.718	0.798	0.861	0.908	0.942
14.0	0.176	0.260	0.358	0.464	0.570	0.669	0.756	0.827	0.883	0.923
14.5	0.145	0.220	0.311	0.413	0.518	0.619	0.711	0.790	0.853	0.901
15.0	0.118	0.185	0.268	0.363	0.466	0.568	0.664	0.749	0.819	0.875
	20	21	22	23	24	25	26	27	28	29
10.5	0.997	0.999	0.999	1.000						
11.0	0.995	0.998	0.999	1.000						
11.5	0.992	0.996	0.998	0.999	1.000					
12.0	0.988	0.994	0.997	0.999	0.999	1.000				
12.5	0.983	0.991	0.995	0.998	0.999	0.999	1.000			
13.0	0.975	0.986	0.992	0.996	0.998	0.999	1.000			
13.5	0.965	0.980	0.989	0.994	0.997	0.998	0.999	1.000		
14.0	0.952	0.971	0.983	0.991	0.995	0.997	0.999	0.999	1.000	
14.5	0.936	0.960	0.976	0.986	0.992	0.996	0.998	0.999	0.999	1.000
15.0	0.917	0.947	0.967	0.981	0.989	0.994	0.997	0.998	0.999	1.000

Appendix III (continued)

$\lambda$ OR np <sup>c</sup>	4	5	6	7	8	9	10	11	12	13
16	0.000	0.001	0.004	0.010	0.022	0.043	0.077	0.127	0.193	0.275
17	0.000	0.001	0.002	0.005	0.013	0.026	0.049	0.085	0.135	0.201
18	0.000	0.000	0.001	0.003	0.007	0.015	0.030	0.055	0.092	0.143
19	0.000	0.000	0.001	0.002	0.004	0.009	0.018	0.035	0.061	0.098
20	0.000	0.000	0.000	0.001	0.002	0.005	0.011	0.021	0.039	0.066
21	0.000	0.000	0.000	0.000	0.001	0.003	0.006	0.013	0.025	0.043
22	0.000	0.000	0.000	0.000	0.001	0.002	0.004	0.008	0.015	0.028
23	0.000	0.000	0.000	0.000	0.000	0.001	0.002	0.004	0.009	0.017
24	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.003	0.005	0.011
25	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.001	0.003	0.006
	14	15	16	17	18	19	20	21	22	23
16	0.368	0.467	0.566	0.659	0.742	0.812	0.868	0.911	0.942	0.963
17	0.281	0.371	0.468	0.564	0.655	0.736	0.805	0.861	0.905	0.937
18	0.208	0.287	0.375	0.469	0.562	0.651	0.731	0.799	0.855	0.899
19	0.150	0.215	0.292	0.378	0.469	0.561	0.647	0.725	0.793	0.849
20	0.105	0.157	0.221	0.297	0.381	0.470	0.559	0.644	0.721	0.787
21	0.072	0.111	0.163	0.227	0.302	0.384	0.471	0.558	0.640	0.716
22	0.048	0.077	0.117	0.169	0.232	0.306	0.387	0.472	0.556	0.637
23	0.031	0.052	0.082	0.123	0.175	0.238	0.310	0.389	0.472	0.555
24	0.020	0.034	0.056	0.087	0.128	0.180	0.243	0.314	0.392	0.473
25	0.012	0.022	0.038	0.060	0.092	0.134	0.185	0.247	0.318	0.394
	24	25	26	27	28	29	30	31	32	33
16	0.978	0.987	0.993	0.996	0.998	0.999	0.999	1.000		
17	0.959	0.975	0.985	0.991	0.995	0.997	0.999	0.999	1.000	
18	0.932	0.955	0.972	0.983	0.990	0.994	0.997	0.998	0.999	1.000
19	0.893	0.927	0.951	0.969	0.980	0.988	0.993	0.996	0.998	0.999
20	0.843	0.888	0.922	0.948	0.966	0.978	0.987	0.992	0.995	0.997
21	0.782	0.838	0.883	0.917	0.944	0.963	0.976	0.985	0.991	0.994
22	0.712	0.777	0.832	0.877	0.913	0.940	0.959	0.973	0.983	0.989
23	0.635	0.708	0.772	0.827	0.873	0.908	0.936	0.956	0.971	0.981
24	0.554	0.632	0.704	0.768	0.823	0.868	0.904	0.932	0.953	0.969
25	0.473	0.553	0.629	0.700	0.763	0.818	0.863	0.900	0.929	0.950
	34	35	36	37	38	39	40	41	42	43
19	0.999	1.000								
20	0.999	0.999	1.000							
21	0.997	0.998	0.999	0.999	1.000					
22	0.994	0.996	0.998	0.999	0.999	1.000				
23	0.988	0.993	0.996	0.997	0.999	0.999	1.000			
24	0.979	0.987	0.992	0.995	0.997	0.998	0.999	0.999	1.000	
25	0.966	0.978	0.985	0.991	0.994	0.997	0.998	0.999	0.999	1.000

**RANDOM DIGITS**

52 01 77 67	75 24 63 38	49 35 24 94	21 81 65 44	29 27 49 45
80 50 54 31	64 05 18 81	54 99 76 54	38 55 37 63	82 29 16 65
45 29 96 34	26 89 80 93	96 31 53 07	28 60 26 55	08 03 36 06
68 54 02 00	45 42 72 68	80 80 83 91	40 05 64 18	43 62 76 59
59 46 73 48	01 39 09 22	05 88 52 36	38 21 45 98	17 17 68 33
48 11 76 74	87 37 92 52	17 90 05 97	08 92 00 48	19 92 91 70
12 43 56 35	20 11 74 52	23 46 14 06	05 08 23 41	40 30 97 32
35 09 98 17	01 75 87 53	56 54 14 30	22 20 64 13	62 38 85 79
91 62 68 03	19 47 60 72	15 51 49 38	70 72 58 15	49 12 56 24
89 32 05 05	36 16 81 08	86 43 19 94	20 73 17 90	27 38 84 35
35 44 13 18	45 24 02 84	08 62 48 26	58 26 05 27	50 07 39 98
37 54 87 30	41 94 15 09	18 51 62 32	21 15 94 66	77 56 78 51
94 62 46 11	96 38 27 07	95 10 04 06	92 74 59 73	71 17 78 17
00 38 75 95	71 96 12 82	75 24 91 40	70 14 66 70	60 91 10 62
77 93 89 19	98 14 50 65	63 33 25 37	52 28 25 62	47 83 41 13
80 81 45 17	77 55 73 22	02 94 39 02	49 91 45 23	68 47 92 76
36 04 09 03	80 99 33 71	17 84 56 11	33 69 45 98	26 94 03 68
88 46 12 33	52 07 98 48	66 44 98 83	10 48 19 49	85 15 74 79
15 02 00 99	31 24 96 47	32 47 79 28	55 07 37 42	11 10 00 20
01 84 87 69	87 63 79 19	07 49 41 38	60 64 93 29	16 50 53 44
09 73 25 33	60 97 09 34	10 94 05 58	19 69 04 46	26 45 74 77
54 20 48 05	29 40 52 42	72 56 82 48	47 44 52 66	95 27 07 99
42 26 89 53	18 47 54 06	74 67 00 78	55 72 85 73	67 89 75 43
01 90 25 29	90 36 47 64	76 66 79 51	48 11 62 13	97 34 40 87
80 79 99 70	93 78 56 13	82 60 89 28	52 37 83 17	73 20 88 98
06 57 47 17	73 03 95 71	04 77 69 74	65 33 71 24	76 52 01 35
06 01 08 05	21 11 57 82	31 82 23 74	23 28 72 95	64 89 47 42
26 97 76 02	45 52 16 42	23 60 02 10	90 10 33 93	19 64 50 93
57 33 21 35	76 62 11 39	93 68 72 03	78 56 52 01	09 37 67 07
79 64 57 53	96 29 77 88	42 75 67 88	70 61 74 29	80 15 73 61
99 90 88 96	94 75 08 99	16 28 35 54	85 39 41 18	34 07 27 68
43 54 85 81	53 14 03 33	29 73 41 35	97 11 89 63	45 57 18 24
15 12 33 87	57 60 04 08	97 92 65 75	84 96 28 52	02 05 16 56
86 10 25 91	96 64 48 94	86 07 46 97	20 82 66 95	05 32 54 70
01 02 46 74	43 65 17 70	21 95 25 63	05 01 45 11	03 52 96 47
79 01 71 19	65 39 45 95	92 43 37 29	80 95 90 91	67 35 48 76
33 51 29 69	82 39 61 01	36 78 38 48	20 63 61 04	80 52 40 37
38 17 15 39	91 19 04 25	62 24 44 31	15 95 33 47	20 90 25 60
29 53 68 70	03 07 11 20	86 84 87 67	88 67 67 43	31 13 11 65
58 40 44 01	26 25 22 96	93 59 14 16	98 95 11 68	03 23 66 53
39 09 47 34	61 96 27 93	86 25 10 25	65 81 33 98	69 73 61 70
88 69 51 19	54 69 28 23	11 96 38 96	86 79 90 94	30 34 26 14
25 01 62 52	77 97 45 00	35 13 54 62	73 05 38 52	66 57 48 18
74 85 22 05	13 02 12 48	60 94 97 00	28 46 82 87	55 35 75 48
05 45 56 14	93 91 08 36	28 14 40 77	60 93 52 03	80 83 42 82
52 52 75 80	86 74 31 71	56 70 70 07	14 90 56 86	17 46 85 09
56 12 71 92	18 74 39 24	95 66 00 00	39 80 82 77	17 72 70 80
09 97 33 34	66 67 43 68	41 92 15 85	06 28 89 80	77 40 27 72
32 30 75 75	59 04 79 00	66 79 45 43	86 50 75 84	66 25 22 91
10 51 82 16	01 54 03 54	88 88 15 53	87 51 76 49	14 22 56 85