

TABLE A-4
Normal Probability
Distribution and
Partial Expectations

Standardized Variate <i>z</i>	Probabilities		Partial Expectations	
	<i>F(z)</i>	$1 - F(z)$	<i>L(z)</i>	<i>L(-z)</i>
.00	.5000	.5000	.3989	.3989
.01	.5040	.4960	.3940	.4040
.02	.5080	.4920	.3890	.4090
.03	.5120	.4880	.3841	.4141
.04	.5160	.4840	.3793	.4193
.05	.5200	.4800	.3744	.4244
.06	.5239	.4761	.3697	.4297
.07	.5279	.4721	.3649	.4349
.08	.5319	.4681	.3602	.4402
.09	.5359	.4641	.3556	.4456
.10	.5398	.4602	.3509	.4509
.11	.5438	.4562	.3464	.4564
.12	.5478	.4522	.3418	.4618
.13	.5517	.4483	.3373	.4673
.14	.5557	.4443	.3328	.4728
.15	.5596	.4404	.3284	.4784
.16	.5636	.4364	.3240	.4840
.17	.5685	.4325	.3197	.4897
.18	.5714	.4286	.3154	.4954
.19	.5753	.4247	.3111	.5011
.20	.5793	.4207	.3069	.5069
.21	.5832	.4168	.3027	.5127
.22	.5871	.4129	.3027	.5186
.23	.5910	.4090	.2944	.5244
.24	.5948	.4052	.2904	.5304
.25	.5987	.4013	.2863	.5363
.26	.6026	.3974	.2824	.5424
.27	.6064	.3936	.2784	.5484
.28	.6103	.3897	.2745	.5545
.29	.6141	.3859	.2706	.5606
.30	.6179	.3821	.2668	.5668
.31	.6217	.3783	.2630	.5730
.32	.6255	.3745	.2592	.5792
.33	.6293	.3707	.2555	.5855
.34	.6331	.3669	.2518	.5918
.35	.6368	.3632	.2481	.5981
.36	.6406	.3594	.2445	.6045
.37	.6443	.3557	.2409	.6109
.38	.6480	.3520	.2374	.6174
.39	.6517	.3483	.2339	.6239
.40	.6554	.3446	.2304	.6304
.41	.6591	.3409	.2270	.6370
.42	.6628	.3372	.2236	.6436
.43	.6664	.3336	.2203	.6503
.44	.6700	.3300	.2169	.6569
.45	.6736	.3264	.2137	.6637
.46	.6772	.3228	.2104	.6704
.47	.6808	.3192	.2072	.6772
.48	.6844	.3156	.2040	.6840
.49	.6879	.3121	.2009	.6909
.50	.6915	.3085	.1978	.6978

TABLE A-4
(continued)

Standardized Variate <i>z</i>	Probabilities		Partial Expectations	
	<i>F(z)</i>	$1 - F(z)$	<i>L(z)</i>	<i>L(-z)</i>
.51	.6950	.3050	.1947	.7047
.52	.6985	.3015	.1917	.7117
.53	.7019	.2981	.1887	.7187
.54	.7054	.2946	.1857	.7257
.55	.7088	.2912	.1828	.7328
.56	.7123	.2877	.1799	.7399
.57	.7157	.2843	.1771	.7471
.58	.7190	.2810	.1742	.7542
.59	.7224	.2776	.1714	.7614
.60	.7257	.2743	.1687	.7687
.61	.7291	.2709	.1659	.7759
.62	.7324	.2676	.1633	.7833
.63	.7357	.2643	.1606	.7906
.64	.7389	.2611	.1580	.7980
.65	.7422	.2578	.1554	.8054
.66	.7454	.2546	.1528	.8128
.67	.7486	.2514	.1503	.8203
.68	.7517	.2483	.1478	.8278
.69	.7549	.2451	.1453	.8353
.70	.7580	.2420	.1429	.8429
.71	.7611	.2389	.1405	.8505
.72	.7642	.2358	.1381	.8581
.73	.7673	.2327	.1358	.8658
.74	.7703	.2297	.1334	.8734
.75	.7733	.2267	.1312	.8812
.76	.7764	.2236	.1289	.8889
.77	.7793	.2207	.1267	.8967
.78	.7823	.2177	.1245	.9045
.79	.7852	.2148	.1223	.9123
.80	.7881	.2119	.1202	.9202
.81	.7910	.2090	.1181	.9281
.82	.7939	.2061	.1160	.9360
.83	.7967	.2033	.1140	.9440
.84	.7996	.2004	.1120	.9520
.85	.8023	.1977	.1100	.9600
.86	.8051	.1949	.1080	.9680
.87	.8067	.1922	.1061	.9761
.88	.8106	.1894	.1042	.9842
.89	.8133	.1867	.1023	.9923
.90	.8159	.1841	.1004	1.0004
.91	.8186	.1814	.0986	1.0086
.92	.8212	.1788	.0968	1.0168
.93	.8238	.1762	.0955	1.0250
.94	.8264	.1736	.0953	1.0330
.95	.8289	.1711	.0916	1.0416
.96	.8315	.1685	.0899	1.0499
.97	.8340	.1660	.0882	1.0582
.98	.8365	.1635	.0865	1.0665
.99	.8389	.1611	.0849	1.0749
1.00	.8413	.1587	.0833	1.0833
1.01	.8438	.1562	.0817	1.0917
1.02	.8461	.1539	.0802	1.1002
1.03	.8485	.1515	.0787	1.1087
1.04	.8508	.1492	.0772	1.1172
1.05	.8531	.1469	.0757	1.1257

(continued)

TABLE A-4
(continued)

Standardized Variate <i>z</i>	Probabilities		Partial Expectations	
	<i>F(z)</i>	$1 - F(z)$	<i>L(z)</i>	<i>L(-z)</i>
1.06	.8554	.1446	.0742	1.1342
1.07	.8577	.1423	.0728	1.1428
1.08	.8599	.1401	.0714	1.1514
1.09	.8621	.1379	.0700	1.1600
1.10	.8643	.1357	.0686	1.1686
1.11	.8665	.1335	.0673	1.1773
1.12	.8686	.1314	.0659	1.1859
1.13	.8708	.1292	.0646	1.1946
1.14	.8729	.1271	.0634	1.2034
1.15	.8749	.1251	.0621	1.2121
1.16	.8770	.1230	.0609	1.2209
1.17	.8790	.1210	.0596	1.2296
1.18	.8810	.1190	.0584	1.2384
1.19	.8830	.1170	.0573	1.2473
1.20	.8849	.1151	.0561	1.2561
1.21	.8869	.1131	.0550	1.2650
1.22	.8888	.1112	.0538	1.2738
1.23	.8907	.1093	.0527	1.2827
1.24	.8925	.1075	.0517	1.2917
1.25	.8943	.1057	.0506	1.3006
1.26	.8962	.1038	.0495	1.3095
1.27	.8980	.1020	.0485	1.3185
1.28	.8997	.1003	.0475	1.3275
1.29	.9015	.0985	.0465	1.3365
1.30	.9032	.0968	.0455	1.3455
1.31	.9049	.0951	.0446	1.3446
1.32	.9066	.0934	.0436	1.3636
1.33	.9082	.0918	.0427	1.3727
1.34	.9099	.0901	.0418	1.3818
1.35	.9115	.0885	.0409	1.3909
1.36	.9131	.0869	.0400	1.4000
1.37	.9147	.0853	.0392	1.4092
1.38	.9162	.0838	.0383	1.4183
1.39	.9177	.0823	.0375	1.4275
1.40	.9192	.0808	.0367	1.4367
1.41	.9207	.0793	.0359	1.4459
1.42	.9222	.0778	.0351	1.4551
1.43	.9236	.0764	.0343	1.4643
1.44	.9251	.0749	.0336	1.4736
1.45	.9265	.0735	.0328	1.4828
1.46	.9279	.0721	.0321	1.4921
1.47	.9292	.0708	.0314	1.5014
1.48	.9306	.0694	.0307	1.5107
1.49	.9319	.0681	.0300	1.5200
1.50	.9332	.0668	.0293	1.5293
1.51	.9345	.0655	.0286	1.5386
1.52	.9357	.0643	.0280	1.5480
1.53	.9370	.0630	.0274	1.5574
1.54	.9382	.0618	.0267	1.5667
1.55	.9394	.0606	.0261	1.5761
1.56	.9406	.0594	.0255	1.5855
1.57	.9418	.0582	.0249	1.5949
1.58	.9429	.0571	.0244	1.6044
1.59	.9441	.0559	.0238	1.6138

TABLE A-4
(continued)

Standardized Variate <i>z</i>	Probabilities		Partial Expectations	
	<i>F(z)</i>	$1 - F(z)$	<i>L(z)</i>	<i>L(-z)</i>
1.60	.9460	.0540	.0232	1.6232
1.61	.9463	.0537	.0227	1.6327
1.62	.9474	.0526	.0222	1.6422
1.63	.9484	.0516	.0216	1.6516
1.64	.9495	.0505	.0211	1.6611
1.65	.9505	.0495	.0206	1.6706
1.66	.9515	.0485	.0201	1.6801
1.67	.9525	.0475	.0197	1.6897
1.68	.9535	.0465	.0192	1.6992
1.69	.9545	.0455	.0187	1.7087
1.70	.9554	.0446	.0183	1.7183
1.71	.9564	.0436	.0178	1.7278
1.72	.9573	.0427	.0174	1.7374
1.73	.9582	.0418	.0170	1.7470
1.74	.9591	.0409	.0166	1.7566
1.75	.9599	.0401	.0162	1.7662
1.76	.9608	.0392	.0158	1.7558
1.77	.9616	.0384	.0154	1.7854
1.78	.9625	.0375	.0150	1.7950
1.79	.9633	.0367	.0146	1.8046
1.80	.9641	.0359	.0143	1.8143
1.81	.9649	.0351	.0139	1.8239
1.82	.9656	.0344	.0136	1.8436
1.83	.9664	.0336	.0132	1.8432
1.84	.9671	.0329	.0129	1.8529
1.85	.9678	.0322	.0126	1.8626
1.86	.9685	.0314	.0123	1.8723
1.87	.9693	.0307	.0119	1.8819
1.88	.9699	.0301	.0116	1.8916
1.89	.9706	.0294	.0113	1.9013
1.90	.9713	.0287	.0111	1.9111
1.91	.9719	.0281	.0108	1.9208
1.92	.9726	.0274	.0105	1.9305
1.93	.9732	.0268	.0102	1.9402
1.94	.9738	.0262	.0100	1.9500
1.95	.9744	.0256	.0097	1.9597
1.96	.9750	.0250	.0094	1.9694
1.97	.9756	.0244	.0092	1.9792
1.98	.9761	.0239	.0090	1.9890
1.99	.9767	.0233	.0087	1.9987
2.00	.9772	.0228	.0085	2.0085
2.01	.9778	.0222	.0083	2.0183
2.02	.9783	.0217	.0080	2.0280
2.03	.9788	.0212	.0078	2.0378
2.04	.9793	.0207	.0076	2.0476
2.05	.9798	.0202	.0074	2.0574
2.06	.9803	.0197	.0072	2.0672
2.07	.9808	.0192	.0072	2.0770
2.08	.9812	.0188	.0068	2.0868
2.09	.9817	.0183	.0066	2.0966
2.10	.9821	.0179	.0065	2.1065
2.11	.9826	.0174	.0063	2.1163
2.12	.9830	.0170	.0061	2.1261
2.13	.9834	.0166	.0060	2.1360
2.14	.9838	.0162	.0058	2.1458

(continued)

TABLE A-4
(continued)

Standardized Variate <i>z</i>	Probabilities		Partial Expectations	
	<i>F(z)</i>	$1 - F(z)$	<i>L(z)</i>	<i>L(-z)</i>
2.15	.9842	.0158	.0056	2.1556
2.16	.9846	.0154	.0055	2.1655
2.17	.9850	.0150	.0053	2.1753
2.18	.9854	.0146	.0052	2.1852
2.19	.9857	.0143	.0050	2.1950
2.20	.9861	.0139	.0049	2.2049
2.21	.9864	.0136	.0048	2.2148
2.22	.9868	.0132	.0046	2.2246
2.23	.9871	.0129	.0045	2.2345
2.24	.9875	.0125	.0044	2.2444
2.25	.9878	.0122	.0042	2.2542
2.26	.9881	.0119	.0041	2.2641
2.27	.9884	.0116	.0040	2.2740
2.28	.9887	.0113	.0039	2.2839
2.29	.9890	.0110	.0038	2.2938
2.30	.9893	.0107	.0037	2.3037
2.31	.9896	.0104	.0036	2.3136
2.32	.9898	.0102	.0035	2.3235
2.33	.9901	.0099	.0034	2.3334
2.34	.9904	.0096	.0033	2.3433
2.35	.9906	.0094	.0032	2.3532
2.36	.9909	.0091	.0031	2.3631
2.37	.9911	.0089	.0030	2.3730
2.38	.9913	.0087	.0029	2.3829
2.39	.9916	.0084	.0028	2.3928
2.40	.9918	.0082	.0027	2.4027
2.41	.9920	.0080	.0026	2.4126
2.42	.9922	.0078	.0026	2.4226
2.43	.9925	.0075	.0025	2.4325
2.44	.9927	.0073	.0024	2.4424
2.45	.9929	.0071	.0023	2.4523
2.46	.9931	.0069	.0023	2.4623
2.47	.9932	.0068	.0022	2.4722
2.48	.9934	.0066	.0021	2.4821
2.49	.9936	.0064	.0021	2.4921
2.50	.9938	.0062	.0020	2.5020
2.51	.9940	.0060	.0019	2.5119
2.52	.9941	.0059	.0019	2.5219
2.53	.9943	.0057	.0018	2.5318
2.54	.9945	.0055	.0018	2.5418
2.55	.9946	.0054	.0017	2.5517
2.56	.9948	.0052	.0017	2.5617
2.57	.9949	.0051	.0016	2.5716
2.58	.9951	.0049	.0016	2.5816
2.59	.9952	.0048	.0015	2.5915
2.60	.9953	.0047	.0015	2.6015
2.61	.9955	.0045	.0014	2.6114
2.62	.9956	.0044	.0014	2.6214
2.63	.9957	.0043	.0013	2.6313
2.64	.9959	.0041	.0013	2.6413
2.65	.9960	.0040	.0012	2.6512
2.66	.9961	.0039	.0012	2.6612
2.67	.9962	.0038	.0012	2.6712
2.68	.9963	.0037	.0011	2.6811
2.69	.9964	.0036	.0011	2.6911
2.70	.9965	.0035	.0011	2.7011

TABLE A-4
(concluded)

Standardized Variate z	Probabilities		Partial Expectations	
	$F(z)$	$1 - F(z)$	$L(z)$	$L(-z)$
2.71	.9966	.0034	.0010	2.7110
2.72	.9967	.0033	.0010	2.7210
2.73	.9968	.0032	.0010	2.7310
2.74	.9969	.0031	.0009	2.7409
2.75	.9970	.0030	.0009	2.7509
2.76	.9971	.0029	.0009	2.7609
2.77	.9972	.0028	.0008	2.7708
2.78	.9973	.0027	.0008	2.7808
2.79	.9974	.0026	.0008	2.7908
2.80	.9974	.0026	.0008	2.8008
2.81	.9975	.0025	.0007	2.8107
2.82	.9976	.0024	.0007	2.8207
2.83	.9977	.0023	.0007	2.8307
2.84	.9977	.0023	.0007	2.8407
2.85	.9978	.0022	.0006	2.8506
2.86	.9979	.0021	.0006	2.8606
2.87	.9979	.0021	.0006	2.8706
2.88	.9980	.0020	.0006	2.8806
2.89	.9981	.0019	.0006	2.8906
2.90	.9981	.0019	.0005	2.9005
2.91	.9982	.0018	.0005	2.9105
2.92	.9982	.0018	.0005	2.9205
2.93	.9983	.0017	.0005	2.9305
2.94	.9984	.0016	.0005	2.9405
2.95	.9984	.0016	.0005	2.9505
2.96	.9985	.0015	.0004	2.9604
2.97	.9985	.0015	.0004	2.9704
2.98	.9986	.0014	.0004	2.9804
2.99	.9986	.0014	.0004	2.9904
3.00	.9986	.0014	.0004	3.0004

Source: R. G. Brown. *Decision Rules for Inventory Management* (Hinsdale, IL: Dryden, 1967). Adapted from Table VI, pp. 95-103.