Table 2 Cumulative Poisson Probabilities

The table gives the probability that r or more random events are contained in an interval when the average number of such events per interval is m, i.e.

$$\sum_{x=r}^{\infty} e^{-m} \frac{m^x}{x!}$$

Where there is no entry for a particular pair of values of r and m, this indicates that the appropriate probability is less than 0.000 05. Similarly, except for the case r = 0 when the entry is exact, a tabulated value of 1.0000 represents a probability greater than 0.999 95.

										· · · · · · · · · · · · · · · · · ·
<i>m</i> =	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0
r=0	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.000
1	.0952	.1813	.2592	.3297	.3935	.4512	.5034	.5507	.5934	.632
2	.0047	.0175	.0369	.0616	.0902	.1219	.1558	.1912	.2275	264
3	.0002	.0011	.0036	.0079	.0144	.0231	.0341	.0474	.0629	.080
4		.0001	.0003	.0008	.0018	.0034	.0058	.0091	.0135	.019
5				.0001	.0002	.0004	.0008	.0014	.0023	.003
6							.0001	.0002	.0003	.000
7						•				.000
m =	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0
r = 0	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.000
1	.6671	.6988	.7275	.7534	.7769	.7981	.8173	.8347	.8504	.864
2	.3010	.3374	.3732	4082	.4422	.4751	.5068	.5372	.5663	.594
3	.0996	.1205	.1429	.1665	.1912	.2166	.2428	.2694	.2963	.323
4	.0257	.0338	.0431	.0537	.0656	.0788	.0932	.1087	.1253	.142
5	.0054	.0077	.0107	.0143	.0186	.0237	.0296	.0364	.0441	.052
6	.0010	.0015	.0022	.0032	.0045	.0060	.0080	.0104	0132	.016
7	.0001	.0003	.0004	.0006	.0009	.0013	.0019	.0026	.0034	.004
8	,000 x		.0001	.0001	.0002	.0003	.0004	.0006	.0008	.001
9							.0001	.0001	.0002	.000.
m =	2.1	2.2	2.3	2.4	2.5	2.6	2.7	2.8	2.9	3.0
r = 0	1.0000	1.0000	1.0000	1.0000	1.0000	1.000Ő	1.0000	1.0000	1.0000	1.000
1	.8775	.8892	.8997	.9093	.9179	.9257	.9328	.9392	.9450	.95(
2	.6204	.6454	.6691	.6916	.7127	.7326	.7513	.7689	.7854	.800
3	.3504	.3773	.4040	.4303	.4562	.4816	.5064	.5305	.5540	.576
4	.1614	.1806	.2007	.2213	.2424	.2640	.2859	.3081	.3304	.352
5	.0621	.0725	.0838	.0959	.1088	.1226	.1371	.1523	.1682	.184
6	.0204	.0249	.0300	.0357	.0420	.0490	.0567	.0651	.0742	:08
7	.0059	.0075	.0094	.0116	.0142	.0172	.0206	.0244	.0287	.03
8	.0015	.0020	.0026	.0033	.0042	.0053	.0066	.0081	.0099	.01
9	.0003	.0005	.0006	.0009	.0011	.0015	.0019	.0024	.0031	.00
10	.0001	.0001	.0001	.0002	.0003	.0004	.0005	.0007	.0009	.00
11					.0001	.0001	.0001	.0002	.0002	.00
										.00

Table 2 Cumulative Poisson Probabilities – continued

<i>m</i> =	3.1	3.2	3.3	3.4	3.5	3.6	3.7	3.8	3.9	4.0
r = 0	1.0000	1.0000	1.0000	1,0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
ĺ	.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
	.5152									
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
			.0002	.0002	.0003	.0004	,0005	.0006	.0007	.0009
12	.0001	.0001	.0002	.0002	.0003	.0004	.0003	.0002	.0007	.0003
13				.0001	.0001	.0001	.0001	.0002	.0002	.000.
14									.0001	.0001
<i>m</i> =	4.1	4.2	4.3	4.4	4.5	4.6	4.7	4.8	4.9	5.0
r = 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	.959€
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
	.0573	.0639	.0710	.0786	.0866	.0951	1040	.1133	.1231	.1334
8			.0317	.0358	.0403	.0451	.0503	.0558	.0618	.0681
9	.0245	.0279								
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	.000
1.0				0001	.0001	.0001	.0001	.0001	.0002	.0002
15	•			.0001	.0001	10001	.0001	.0001	.0002	.0002
16	<u> </u>								.0001	.0001
<i>m</i> =	5.2	5.4	5.6	5.8	6.0	6.2	6.4	6.6	6.8	7.0
· = ()	1,0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
ì	.9945	.9955	.9963	.9970	.9975	.9980	.9983	.9986	.9989	.999
2	.9658	.9711	.9756	.9794	.9826	.9854	.9877	.9897	.9913	992
3	.8912	.9052	.9176	.9285	.9380	.9464	.9537	.9600	.9656	970
4	.7619	.7867	.8094	.8300	.8488	.8658	.8811	.8948	.9072	.918
5	.5939	.6267	.6579	.6873	.7149	.7408	.7649	.7873	.8080	.827
6	.4191	.4539	.4881	.5217	.5543	.5859	.6163	.6453	.6730	.699
7	.2676	.2983	.3297	.3616	.3937	.4258	.4577	.4892	.5201	.550
8	.1551	.1783	.2030	.2290	.2560	.2840	.3127	.3419	.3715	.401
9	.0819	.0974	.1143	.1328	.1528	.1741	.1967	.2204	.2452	.270
10	.0397	.0488	.0591	.0708	.0839	.0984	.1142	.1314	.1498	.169
11	.0177	.0225	.0282	.0349	.0426	.0514	.0614	.0726	.0849	.098
12	.0073	.0096	.0125	.0160	.0201	.0250	.0307	.0373	.0448	.053
13	.0028	.0038	.0051	.0068	.0088	.0113	.0143	.0179	.0221	.027
14	.0010	.0014	.0020	.0027	.0036	.0048	.0063	.0080	.0102	.012
15	.0003	.0005	.0007	.0010	.0014	.0019	.0026	.0034	.0044	.005
16	.0001	.0002	.0002	.0004	.0005	.0007	.0010	.0014	.0018	.002
17	.0001	.0001	.0001	.0001	.0002	.0003	.0004	.0005	.0007	.001
		,0001	.0001	.0001	.0001	.0001	.0001	.0002	.0003	.000
i x					.0001		+000 I			.000
18 19								.0001	.0001	.000

Table 2 Cumulative Poisson Probabilities – continued

1 9993 9994 9995 9996 9997 9997 9998 9998 9998 9998 2 9939 9949 9957 9964 9970 9975 9975 9979 9982 9998 3 9745 9781 9812 9839 9862 9882 9980 9914 9975 5 8445 8605 8751 8883 9004 9113 9211 9299 9379 6 77241 7743 7763 7897 8888 8244 8427 8578 8716 7 8796 6088 6354 6616 6866 7104 7730 7.543 8716 7 8796 6088 6354 6616 6866 7104 7730 7.543 8716 7 8796 6089 6354 6616 8666 7104 7730 7.543 8716 7 87976 9373 3243 3518 3796 4075 4353 4631 4906 5177 10 1.904 2123 2351 2589 2834 3085 3341 3600 3863 11 1.1133 1.293 1465 1.648 1841 2045 2257 2478 2706 11 1.103 1.293 1465 6.666 6.638 0739 0850 0971 1102 12 0629 0735 0852 0980 1119 1.269 1429 1.660 1.780 13 0.327 0.391 0.046 0.546 0.638 0.739 0.855 0.9971 1102 14 0.159 0.195 0.238 0.286 0.342 0.0405 0.0476 0.0555 0.0642 15 0.073 0.092 0.114 0.041 0.0173 0.099 0.0555 0.0642 16 0.031 0.001 0.002 0.0066 0.082 0.0074 0.059 0.074 0.091 18 0.002 0.0003 0.004 0.0055 0.0066 0.082 0.002 0.0125 0.152 0.184 17 0.013 0.017 0.022 0.029 0.037 0.0047 0.059 0.074 0.091 18 0.002 0.0003 0.004 0.0055 0.0066 0.0082 0.0027 0.0034 0.0043 18 0.005 0.0070 0.009 0.0122 0.016 0.0021 0.0027 0.034 0.0043 19 0.002 0.0003 0.004 0.0055 0.0066 0.0082 0.0027 0.009 0.012 0.016 20 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0002 0.0066 0.0082 21 0.0001 0.0001 0.0001 0.0001 0.0001 0.0001 0.0002 0.0063 0.009 3 0.947 9.955 9.962 9.967 9.972 9.988 9.999 0.0066 0.0082 2 9.9990 9.9991 9.9991 9.9991 9.9995 9.9991 9.9995 9.9998 9.9995 9.9991 0.0000 1.0000	m =	7.2	7.4	7.6	7.8	8.0	8.2	8.4	8.6	8.8	9.0
2 9939 9949 9957 9964 9970 9975 9979 9982 9982 3985 3 99745 9781 9812 9839 39862 9882 9900 9914 9927 4 9281 9368 9446 9515 9576 9630 9677 9719 9756 5 8445 8605 8751 8883 9004 9113 9211 9299 9756 7 2741 7474 7693 7897 8088 8264 8427 8578 8716 7 5796 6080 6354 6616 6866 7104 7330 7340 7340 7340 7499 9279 92793 3243 3518 3796 4075 4353 4631 4406 5177 99 2973 3243 3518 3796 4075 4353 4631 4406 5177 911 111 1133 1223 1465 1648 1841 2045 2257 2478 2706 12 6629 0735 0852 0980 1119 1269 1429 1600 1780 138 13 0.0327 0.0391 0.0464 0.0546 0.058 0.072 0.0591 110 1019 0.0195 0.0238 0.0286 0.042 0.0465 0.045 0.076 0.0555 0.0642 11 0.001	r = 0										1.0000
\$\begin{array}{c c c c c c c c c c c c c c c c c c c											.9999
4 9.281 9368 9446 9515 9576 9630 9677 9719 9756 5 8.445 8.605 8.751 8.883 9004 9113 9211 9219 9379 6 7.7241 7474 7693 7.897 8088 8264 3427 8578 8716 7 5.796 6.080 6.354 6.616 6.8666 7104 7330 7.541 7744 8 4311 4.607 4.900 5188 3470 5746 6.013 6.272 6522 9 2.273 3243 3518 3796 4.075 4.353 4.651 4.906 5177 10 1.904 2.123 2.251 2.589 2.834 3.085 3341 3.600 3.863 11 1.1133 1.1293 1.465 1.648 1.841 2.045 2.257 2.478 2.706 12 0.629 0.735 0.852 0.980 1.119 1.269 1.1429 1.600 1.780 13 0.0327 0.391 0.464 0.546 0.638 0.739 0.850 0.0971 1.1102 14 0.1159 0.195 0.0238 0.0286 0.042 0.045 0.476 0.0555 0.642 15 0.073 0.092 0.114 0.141 0.173 0.209 0.051 0.299 0.353 16 0.031 0.041 0.0522 0.066 0.0827 0.047 0.059 0.074 0.091 18 0.005 0.0007 0.009 0.012 0.016 0.021 0.025 0.024 0.091 18 0.005 0.0007 0.009 0.012 0.016 0.021 0.025 0.029 0.001 0.001 20 0.0001 0.0001 0.0001 0.0002 0.003 0.003 0.005 0.006 0.009 21 0.0001 0.0001 0.0001 0.0002 0.003 0.0003 0.005 0.006 0.0008 21 0.0001 0.0001 0.0001 0.0002 0.0003 0.0003 0.0005 0.0006 0.0008 22 0.0001 0.0001 0.0001 0.0002 0.0003 0.0003 0.0005 0.0006 0.0008 21 0.0001 0.0001 0.0001 0.0002 0.0003 0.0003 0.0005 0.0006 0.0008 22 0.0001 0.0001 0.0001 0.0002 0.0003 0.0005 0.0006 0.0008 23 0.9990 9.9991 9.999 9.9999 9.9999 1.0000	2										.9988
5 8.445 8.605 8.751 8.883 9004 9113 9211 9299 9379 6 7.241 7.474 7.673 7.897 8088 8.264 8427 8.578 8.716 7 5.796 6.608 6.534 6.616 6.866 7.104 7.330 7.543 7.744 8 4.111 4.607 4.900 5.188 3.470 5.746 6.013 6.272 6.522 9 2.273 3.243 3.518 3.796 4.075 4.353 4.651 4.906 5.177 10 1.904 2123 2.351 2.589 2.834 3.085 3.344 3.600 3.863 11 1.133 1.193 1.1465 1.648 1.814 1.2045 2.257 2.478 2.706 12 0.629 0.735 0.852 0.980 1.119 1.269 1.429 1.600 1.780 13 0.9327 0.939 0.046 0.546 6.38 0.739 0.850 0.9971 1.1102 14 0.159 0.195 0.238 0.286 0.342 0.405 0.476 0.0555 0.042 15 0.0073 0.092 0.114 0.141 0.173 0.209 0.251 0.299 0.353 16 0.031 0.041 0.052 0.066 0.082 0.102 0.125 0.152 0.184 17 0.013 0.017 0.022 0.029 0.037 0.047 0.059 0.074 0.091 18 0.005 0.007 0.009 0.012 0.016 0.021 0.027 0.034 0.043 19 0.002 0.003 0.004 0.005 0.006 0.009 0.011 0.015 0.001 19 0.002 0.003 0.004 0.005 0.006 0.009 0.001 0.000 1.0000 1.0001 20 0.001 0.001 0.001 0.002 0.003 0.003 0.003 0.003 0.005 0.006 21 0.9999 9.999 9.999 9.999 1.0000 1.0000 1.0000 1.0000 1.0000 22 0.9990 9.991 0.993 9.999 1.0000 1.0000 1.0000 1.0000 1.0000 23 0.9947 9.955 9.962 9.986 9.991 0.0000 1.0000 1.0000 1.0000 1.0000 24 0.999 9.999 9.999 9.999 9.999 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 25 0.991 0.991 0.993 9.994 9.995 9.999 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 26 0.991 0.991 0.993 9.999 9.999 9.999 9.9999 1.0000											.9938
6 7241 7474 7693 7897 8088 8264 8427 8578 8716 7596 6080 6354 6616 6866 7104 7330 7544 8 4311 4607 4900 5188 5470 5746 6013 6272 6522 92973 3243 3518 3796 4075 4353 4631 4906 5177 10 1.904 2.123 .2351 .2589 .2834 .3085 .3341 .3600 .3863 11 1.133 .1293 .1465 .1648 .1841 .2045 .2257 .2478 .2706 .112 0.629 .0735 .0882 .0980 .1119 .1269 .1429 .1600 .1780 .133 0.327 .0391 .0464 .0546 .0638 .0739 .0850 .0971 .110 .140 .159 .0195 .0238 .0286 .0342 .0405 .0476 .0355 .0642 .119 .1269 .1429 .1600 .1780 .13 0.027 .0391 .0464 .0546 .0638 .0739 .0850 .0971 .110 .141 0.159 .0195 .0238 .0286 .0342 .0405 .0476 .0355 .0642 .119 .100 .110 .0001 .0001 .0001 .0001 .0002 .0021 .0029 .0037 .0047 .0099 .0251 .0299 .0351 .0041 .0052 .0066 .0082 .0102 .0125 .0152 .0154 .17 0.013 .0017 .0022 .0066 .0082 .0102 .0125 .0152 .0154 .17 0.013 .0017 .0022 .0029 .0037 .0047 .0099 .0011 .0015 .0019 .0001 .0000 .1.0000 .	4	.9281	.9368	.9446	.9515	.9576	,9630	.9077	.9719	.9736	.9788
6	5	.8445	.8605								.9450
8	6	.7241									.8843
9											.7932
10	8										.6761
1	9	.2973	.3243	.3518	.3796	.4075	.4353	.4631	.4906	.5177	.5443
1	10	.1904	.2123	.2351	.2589	.2834	.3085	.3341	.3600	.3863	.4126
12											.2940
13											.1970
14 0.159 0.073 0.092 0.114 .0141 .0173 .0299 .0251 .0299 .0353 16 .0031 .0041 .0052 .0066 .0082 .0102 .0125 .0152 .0153 17 .0013 .0017 .0022 .0029 .0037 .0047 .0059 .0074 .0091 18 .0005 .0007 .0009 .0012 .0027 .0034 .0043 19 .0002 .0003 .0004 .0005 .0006 .0009 .0011 .0015 .0019 20 .0001 .0001 .0002 .0003 .0003 .0005 .0000 .0001 .0001 .0001 21 .0001 .0001 .0001 .0001 .0001 .0001 .0001 .0001 .0001 .0001 .0001 .0001 .0001 .0001 .0001 .0001 .0001 .0001 .0000 .0001 .0000 .0000 .0000 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>.0971</td><td>.1102</td><td>.1242</td></t<>									.0971	.1102	.1242
15							.0405	.0476	.0555	.0642	.0739
16							0200	0151	0200	0252	.0415
17 0013 0017 .0022 .0029 .0037 .0047 .0059 .0034 .0031 .0034 .0034 .0034 .0034 .0034 .0034 .0034 .0034 .0034 .0034 .0034 .0031 .0019 .0011 .0015 .0019 20 .0001 .0001 .0001 .0001 .0001 .0002 .0002 .0003 .0005 .0006 .0008 .0005 .0006 .0008 .0005 .0006 .0008 .0001 .0001 .0001 .0002 .0002 .0001 .0001 .0002 .0002 .0002 .0001 .0001 .0001 .0001 .0001 .0001 .0001 .0001 .0001 .0001 .0001 .0001 .0001 .0001 .0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000 1.0000											.0220
18 .0005 .0007 .0009 .0012 .0016 .0021 .0021 .0034 .0043 .0043 .0043 .0001 .0001 .0001 .0001 .0001 .0003 .0003 .0003 .0003 .0005 .0006 .0008 .0001 .0001 .0001 .0001 .0002 .0003 .0003 .0002 .0003 .0001 .0000 1.0000 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>.0220</td></t<>											.0220
19											.0053
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$.0024
21 .0001 .0001 .0001 .0002 .0002 .0003 22 23 .0001 .0001 .0001 .0001 .0001 .0001 m= 9.2 9.4 9.6 9.8 10.0 11.0 12.0 13.0 14.0 r=0 1.0000 1.0	19	.0002	.0003	,0004	.0005	.0000	.0009	.0011	.0013	.0019	.0024
21 .0001 .0001 .0001 .0002 .0002 .0003 m= 9.2 9.4 9.6 9.8 10.0 11.0 12.0 13.0 14.0 r=0 1.0000 </td <td>20</td> <td>.0001</td> <td>.0001</td> <td>.0001</td> <td>.0002</td> <td>.0003</td> <td>.0003</td> <td>.0005</td> <td></td> <td>.0008</td> <td>.0011</td>	20	.0001	.0001	.0001	.0002	.0003	.0003	.0005		.0008	.0011
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$.0001	.0001	.0001	.0002		.0003	.0004
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$.0001	.0001	.0001	.0002
r=0 1,0000 <td>23</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>.0001</td>	23										.0001
1 .9999 .9999 .9999 .9999 .1,0000 1,0000	m =	9.2	9.4	9.6	9.8	10.0	11.0	12.0	13.0	14.0	15.0
1 .9999 .9999 .9999 .9999 .1,0000 1,0000											
2 9990 9991 9993 9994 9995 9988 9999 1.0000 1.0000 3 .9947 .9955 .9962 .9967 .9972 .9988 .9995 .9998 .9999 4 .9816 .9840 .9867 .9977 .9990 .9995 5 .9514 .9571 .9622 .9667 .9707 .9849 .9924 .9963 .9982 6 .8959 .9065 .9162 .9250 .9329 .9625 .9797 .9893 .9945 7 .8108 .8273 .8426 .8567 .8699 .9214 .9542 .9741 .9858 8 .6990 .7208 .7416 .7612 .7788 .8568 .9002 .9379 10 .4389 .4651 .4911 .5168 .5421 .6595 .7576 .8342 .8906 11 .3180 .3424 .3671 .3920 .4170 .5401 .	r = 0	1.0000	1.0000	1.0000			1.0000	1.0000		1.0000	1.0000
3 .9947 .9955 .9962 .9967 .9972 .9988 .9995 .9998 .9999 4 .9816 .9840 .9862 .9880 .9897 .9951 .9977 .9990 .9995 5 .9514 .9571 .9662 .9667 .9707 .9849 .9963 .9982 6 .8959 .9065 .9162 .9250 .9329 .9625 .9797 .9893 .9945 7 .8108 .8273 .8426 .8567 .8699 .9214 .9542 .9741 .9858 8 .6990 .7208 .7416 .7612 .7798 .8568 .9105 .9460 .9684 9 .5704 .5958 .6204 .6442 .6672 .7680 .8450 .9002 .9379 10 .4389 .4651 .4911 .5186 .5421 .6595 .7576 .8342 <ts>.8906 11 .3180 .3424 .3671</ts>	1	.9999	.9999								1.0000
3	2	.9990	.9991	.9993	.9994			.9999			1.0000
4 .9816 .9840 .9862 .9880 .9897 .9951 .9977 .9990 .9995 5 .9514 .9571 .9622 .9667 .9707 .9849 .9924 .9963 .9982 6 .8959 .9065 .9162 .9250 .9329 .9625 .9797 .9893 .9945 7 .8108 .8273 .8426 .8567 .8699 .9214 .9542 .9741 .9858 8 .6990 .7208 .7416 .7612 .7798 .8568 .9105 .9460 .9684 9 .5704 .5958 .6204 .6442 .6672 .7680 .8450 .9002 .9379 10 .4389 .4651 .4911 .5168 .5421 .6595 .7576 .8342 .8904 11 .3180 .3424 .3671 .3920 .4170 .5401 .6528 .7483 .8243 12 .2168 .2374	3	.9947	.9955	.9962							1.0000
6	4	.9816	.9840	.9862	.9880	.9897	.9951	.99 7 7	.9990	.9995	.9998
6	£	0514	0571	0622	0667	9707	0840	0024	9963	0082	.9991
7 .8108 .8273 .8426 .8567 .8699 .9214 .9542 .9741 .9858 8 .6990 .7208 .7416 .7612 .7798 .8568 .9105 .9460 .9684 9 .5704 .5958 .6204 .6442 .6672 .7680 .8450 .9002 .9379 10 .4389 .4651 .4911 .5168 .5421 .6595 .7576 .8342 .8906 11 .3180 .3424 .3671 .3920 .4170 .5401 .6528 .7483 .8243 12 .2168 .2374 .2588 .2807 .3032 .4207 .5384 .6468 .7400 13 .1393 .1552 .1721 .1899 .2084 .3113 .4240 .5369 .6415 14 .0844 .0958 .1081 .1214 .1355 .2187 .3185 .4270 .5356 15 .0483 .0559	<i>5</i>										.9972
8 .6990 .7208 .7416 .7612 .7798 .8568 .9105 .9460 .9684 9 .5704 .5958 .6204 .6442 .6672 .7680 .8450 .9002 .9379 10 .4389 .4651 .4911 .5168 .5421 .6595 .7576 .8342 .8906 11 .3180 .3424 .3671 .3920 .4170 .5401 .6528 .7483 .8243 12 .2168 .2374 .2588 .2807 .3032 .4207 .5384 .6468 .7400 13 .1393 .1552 .1721 .1899 .2084 .3113 .4240 .5369 .6415 14 .0844 .0958 .1081 .1214 .1355 .2187 .3185 .4270 .5356 15 .0483 .0559 .0643 .0735 .0835 .1460 .2280 .3249 .4296 16 .0262 .0309											.9924
9											.9820
10 .4389 .4651 .4911 .5168 .5421 .6595 .7576 .8342 .8906 11 .3180 .3424 .3671 .3920 .4170 .5401 .6528 .7483 .8243 12 .2168 .2374 .2588 .2807 .3032 .4207 .5384 .6468 .7400 13 .1393 .1552 .1721 .1899 .2084 .3113 .4240 .5369 .6415 14 .0844 .0958 .1081 .1214 .1355 .2187 .3185 .4270 .5356 15 .0483 .0559 .0643 .0735 .0835 .1460 .2280 .3249 .4296 16 .0262 .0309 .0362 .0421 .0487 .0926 .1556 .2364 .3306 17 .0135 .0162 .0194 .0230 .0270 .0559 .1013 .1645 .2441 18 .0066 .0081 .0098 .0119 .0143 .0322 .0630 .1095 .1728											.9626
11 .3180 .3424 .3671 .3920 .4170 .5401 .6528 .7483 .8243 12 .2168 .2374 .2588 .2807 .3032 .4207 .5384 .6468 .7400 13 .1393 .1552 .1721 .1899 .2084 .3113 .4240 .5369 .6415 14 .0844 .0958 .1081 .1214 .1355 .2187 .3185 .4270 .5356 15 .0483 .0559 .0643 .0735 .0835 .1460 .2280 .3249 .4296 16 .0262 .0309 .0362 .0421 .0487 .0926 .1556 .2364 .3306 17 .0135 .0162 .0194 .0230 .0270 .0559 .1013 .1645 .2441 18 .0066 .0081 .0098 .0119 .0143 .0322 .0630 .1095 .1728 19 .0031 .0038	9	.5704	.5956								
12 .2168 .2374 .2588 .2807 .3032 .4207 .5384 .6468 .7400 13 .1393 .1552 .1721 .1899 .2084 .3113 .4240 .5369 .6415 14 .0844 .0958 .1081 .1214 .1355 .2187 .3185 .4270 .5356 15 .0483 .0559 .0643 .0735 .0835 .1460 .2280 .3249 .4296 16 .0262 .0309 .0362 .0421 .0487 .0926 .1556 .2364 .3306 17 .0135 .0162 .0194 .0230 .0270 .0559 .1013 .1645 .2441 18 .0066 .0081 .0098 .0119 .0143 .0322 .0630 .1095 .1728 19 .0031 .0038 .0048 .0059 .0072 .0177 .0374 .0698 .1174 20 .0014 .0017 .0022 .0028 .0035 .0033 .0213 .0427 .0765	10	.4389									.9301
13 .1393 .1552 .1721 .1899 .2084 .3113 .4240 .5369 .6415 14 .0844 .0958 .1081 .1214 .1355 .2187 .3185 .4270 .5356 15 .0483 .0559 .0643 .0735 .0835 .1460 .2280 .3249 .4296 16 .0262 .0309 .0362 .0421 .0487 .0926 .1556 .2364 .3306 17 .0135 .0162 .0194 .0230 .0270 .0559 .1013 .1645 .2441 18 .0066 .0081 .0098 .0119 .0143 .0322 .0630 .1095 .1728 19 .0031 .0038 .0048 .0059 .0072 .0177 .0374 .0698 .1174 20 .0014 .0017 .0022 .0028 .0035 .0093 .0213 .0427 .0765 21 .0006 .0008 .0010 .0012 .0016 .0047 .0116 .0250 .0479											.8815
14 .0844 .0958 .1081 .1214 .1355 .2187 .3185 .4270 .5356 15 .0483 .0559 .0643 .0735 .0835 .1460 .2280 .3249 .4296 16 .0262 .0309 .0362 .0421 .0487 .0926 .1556 .2364 .3306 17 .0135 .0162 .0194 .0230 .0270 .0559 .1013 .1645 .2441 18 .0066 .0081 .0098 .0119 .0143 .0322 .0630 .1095 .1728 19 .0031 .0038 .0048 .0059 .0072 .0177 .0374 .0698 .1174 20 .0014 .0017 .0022 .0028 .0035 .0093 .0213 .0427 .0765 21 .0006 .0008 .0010 .0012 .0016 .0047 .0116 .0250 .0479 22 .0002 .0003 .0041 .0001 .0001 .0003 .0076 .0167 24											.8152
15 .0483 .0559 .0643 .0735 .0835 .1460 .2280 .3249 .4296 16 .0262 .0309 .0362 .0421 .0487 .0926 .1556 .2364 .3306 17 .0135 .0162 .0194 .0230 .0270 .0559 .1013 .1645 .2441 18 .0066 .0081 .0098 .0119 .0143 .0322 .0630 .1095 .1728 19 .0031 .0038 .0048 .0059 .0072 .0177 .0374 .0698 .1174 20 .0014 .0017 .0022 .0028 .0035 .0093 .0213 .0427 .0765 21 .0006 .0008 .0010 .0012 .0016 .0047 .0116 .0250 .0479 22 .0002 .0003 .0004 .0005 .0007 .0023 .0061 .0141 .0288 23 .0001 .0001											.7324
16 .0262 .0309 .0362 .0421 .0487 .0926 .1556 .2364 .3306 17 .0135 .0162 .0194 .0230 .0270 .0559 .1013 .1645 .2441 18 .0066 .0081 .0098 .0119 .0143 .0322 .0630 .1095 .1728 19 .0031 .0038 .0048 .0059 .0072 .0177 .0374 .0698 .1174 20 .0014 .0017 .0022 .0028 .0035 .0093 .0213 .0427 .0765 21 .0006 .0008 .0010 .0012 .0016 .0047 .0116 .0250 .0479 22 .0002 .0003 .0004 .0005 .0007 .0023 .0061 .0141 .0288 23 .0001 .0001 .0002 .0003 .0010 .0030 .0076 .0167 24 .0001 .0001 .0001 .0005 .0015 .0001 .0026 27 .0001 .0002	14	.0844	.0958	.1081	.1214	,1355	.2187	.3185	.4270	.5356	.6368
16 .0262 .0309 .0362 .0421 .0487 .0926 .1556 .2364 .3306 17 .0135 .0162 .0194 .0230 .0270 .0559 .1013 .1645 .2441 18 .0066 .0081 .0098 .0119 .0143 .0322 .0630 .1095 .1728 19 .0031 .0038 .0048 .0059 .0072 .0177 .0374 .0698 .1174 20 .0014 .0017 .0022 .0028 .0035 .0093 .0213 .0427 .0765 21 .0006 .0008 .0010 .0012 .0016 .0047 .0116 .0250 .0479 22 .0002 .0003 .0004 .0005 .0007 .0023 .0061 .0141 .0288 23 .0001 .0001 .0002 .0003 .0010 .0030 .0076 .0167 24 .0001 .0001 .0001 .0005 .0015 .0001 .0026 27 .0001 .0002	15	0483	0559	0643	0735	.0835	.1460	.2280	.3249	.4296	.5343
17 .0135 .0162 .0194 .0230 .0270 .0559 .1013 .1645 .2441 18 .0066 .0081 .0098 .0119 .0143 .0322 .0630 .1095 .1728 19 .0031 .0038 .0048 .0059 .0072 .0177 .0374 .0698 .1174 20 .0014 .0017 .0022 .0028 .0035 .0093 .0213 .0427 .0765 21 .0006 .0008 .0010 .0012 .0016 .0047 .0116 .0250 .0479 22 .0002 .0003 .0004 .0005 .0007 .0023 .0061 .0141 .0288 23 .0001 .0001 .0002 .0003 .0015 .0040 .0093 24 .0001 .0002 .0003 .0015 .0040 .0093 25 .0002 .0007 .0020 .0050 .0015 26 .0001 .0002 .0001 .0002 .0001 29 .0001											.4319
18 .0066 .0081 .0098 .0119 .0143 .0322 .0630 .1095 .1728 19 .0031 .0038 .0048 .0059 .0072 .0177 .0374 .0698 .1174 20 .0014 .0017 .0022 .0028 .0035 .0093 .0213 .0427 .0765 21 .0006 .0008 .0010 .0012 .0016 .0047 .0116 .0250 .0479 22 .0002 .0003 .0004 .0005 .0007 .0023 .0061 .0141 .0288 23 .0001 .0001 .0002 .0003 .0010 .0030 .0076 .0167 24 .0001 .0001 .0001 .0005 .0015 .0040 .0093 25 .0002 .0007 .0020 .0050 .0015 .0001 .0026 27 .0001 .0002 .0001 .0001 .0002 .0006 29 .0001 .0001 .0001 .0001 .0001 .0001 <											.3359
19 .0031 .0038 .0048 .0059 .0072 .0177 .0374 .0698 .1174 20 .0014 .0017 .0022 .0028 .0035 .0093 .0213 .0427 .0765 21 .0006 .0008 .0010 .0012 .0016 .0047 .0116 .0250 .0479 22 .0002 .0003 .0004 .0005 .0007 .0023 .0061 .0141 .0288 23 .0001 .0001 .0002 .0003 .0010 .0030 .0076 .0167 24 .0001 .0001 .0001 .0005 .0015 .0040 .0093 25 .0002 .0007 .0020 .0050 26 .0001 .0003 .0010 .0026 27 .0001 .0005 .0013 .0001 .0002 28 .0001 .0002 .0006 .0001 .0003 .0001 .0003 30 .0001 .0001 .0003 .0001 .0003 .0001 .0001											.2511
21 .0006 .0008 .0010 .0012 .0016 .0047 .0116 .0250 .0479 22 .0002 .0003 .0004 .0005 .0007 .0023 .0061 .0141 .0288 23 .0001 .0001 .0002 .0003 .0010 .0030 .0076 .0167 24 .0001 .0001 .0001 .0005 .0015 .0040 .0093 25 .0002 .0007 .0020 .0050 26 .0001 .0003 .0010 .0026 27 .0001 .0005 .0013 28 .0001 .0002 .0006 29 .0001 .0002 .0001											.1805
21 .0006 .0008 .0010 .0012 .0016 .0047 .0116 .0250 .0479 22 .0002 .0003 .0004 .0005 .0007 .0023 .0061 .0141 .0288 23 .0001 .0001 .0002 .0003 .0010 .0030 .0076 .0167 24 .0001 .0001 .0001 .0005 .0015 .0040 .0093 25 .0002 .0007 .0020 .0050 26 .0001 .0003 .0010 .0026 27 .0001 .0005 .0013 28 .0001 .0002 .0006 29 .0001 .0002 .0001	20	.0014	.0017	.0022	.0028	.0035	.0093	.0213	.0427	.0765	.1248
22 .0002 .0003 .0004 .0005 .0007 .0023 .0061 .0141 .0288 23 .0001 .0001 .0002 .0003 .0010 .0030 .0076 .0167 24 .0001 .0001 .0001 .0005 .0015 .0040 .0093 25 .0002 .0007 .0020 .0050 26 .0001 .0003 .0010 .0026 27 .0001 .0005 .0013 28 .0001 .0002 .0006 29 .0001 .0002 .0001 .0001 .0003						.0016		.0116	.0250		.0830
23 .0001 .0001 .0002 .0002 .0003 .0010 .0030 .0076 .0167 24 .0001 .0001 .0001 .0005 .0015 .0040 .0093 25 .0002 .0007 .0020 .0050 26 .0001 .0003 .0010 .0026 27 .0001 .0005 .0013 28 .0001 .0002 .0006 29 .0001 .0003 30 .0001 .0001				.0004							.0531
25	23	.0001	.0001	.0002						.0167	.0327
26 .0001 .0003 .0010 .0026 27 .0001 .0005 .0013 28 .0001 .0002 .0006 29 .0001 .0003 30 .0001 .0001				.0001	.0001	.0001	.0005	.0015	.0040	.0093	.0195
26 .0001 .0003 .0010 .0026 27 .0001 .0005 .0013 28 .0001 .0002 .0006 29 .0001 .0003 30 .0001 .0001	25						.0002	.0007	.0020	.0050	.0122
27 .0001 .0005 .0013 28 .0001 .0002 .0006 29 .0001 .0003											.0062
28 .0001 .0002 .0006 29 .0001 .0003 30 .0001											0033
29 .0001 .0003 30 .0001											0017
											.0009
	30									000 1	0004
	31									.0001	0002
32										,0001	0001

Table 2 Cumulative Poisson Probabilities – continued

m =	16.0	17.0	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0
0	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
r=0		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
2	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
3	1.0000	1.0000		1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
4	.9999	1.0000	1.0000						1 0000	1.0000
5	.9996	.9998	.9999	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
6	.9986	.9993	.9997	.9998	.9999	1.0000	1.0000	1.0000	1.0000	
7	.9960	.9979	.9990	.9995	.9997	.9999	.9999	1.0000	1.0000	1.0000
8	.9900	.9946	.9971	.9985	.9992	.9996	.9998	.9999	1.0000	1.0000
9	.9780	.9874	.9929	.9961	.9979	.9989	.9994	.9997	.9998	.9999
10	.9567	.9739	.9846	.9911	.9950	.9972	.9985	.9992	.9996	.9998
11	.9226	.9509	.9696	.9817	.9892	.9937	.9965	.9980	.9989	.9994
12	.8730	.9153	.9451	.9653	.9786	.9871	9924	.9956	.9975	.9986
	.8069	.8650	.9083	.9394	.9610	.9755	.9849	.9909	.9946	.9969
13 14	.7255	.7991	.8574	.9016	.9339	.9566	.9722	.9826	.9893	.9935
		·	.7919	.8503	.8951	9284	.9523	.9689	.9802	.9876
15	.6325	.7192		.7852	.8435	.8889	.9231	.9480	.9656	.977′
16	.5333	.6285	.7133		.7789	.8371	.8830	.9179	.9437	.9623
17	.4340	.5323	.6249	.7080	.7030	.7730	.8310	.8772	.9129	.939
18	.3407	.4360	.5314	.6216	.6186	.6983	.7675	.8252	.8717	.908
19	.2577	.3450	.4378	.5305					.8197	.866
20	.1878	.2637	.3491	.4394	.5297	.6157	.6940	.7623	.7574	.814
21	.1318	.1945	.2693	.3528	.4409	.5290	.6131	.6899		.752
22	.0892	.1385	.2009	.2745	.3563	.4423	.5284	.6106	.6861	
23	.0582	.0953	.1449	.2069	.2794	.3595	.4436	.5277	.6083	.682
24	.0367	.0633	.1011	.1510	.2125	.2840	.3626	.4449	.5272	.606
25	.0223	.0406	.0683	.1067	.1568	.2178	.2883	.3654	.4460	.526
26	.0131	.0252	.0446	.0731	.1122	.1623	.2229	.2923	.3681	.447
27	.0075	.0152	.0282	.0486	.0779	.1174	.1676	.2277	.2962	.370
28	.0041	.0088	.0173	.0313	.0525	.0825	.1225	.1726	.2323	.299
20 29	.0041	.0050	.0103	.0195	.0343	.0564	.0871	.1274	.1775	.23€
		.0027	.0059	.0118	.0218	.0374	.0602	.0915	.1321	.182
30	.0011		.0033	.0070	.0135	.0242	.0405	.0640	.0958	.136
31	.0006	.0014	.0033	.0040	.0081	.0152	.0265	.0436	.0678	.100
32	.0003	.0007		.0040	.0047	.0093	.0169	.0289	.0467	.071
33 34	.0001	.0004	.0010	.0012	.0027	.0055	.0105	.0187	.0314	.049
	1000.			.0006	.0015	.0032	.0064	.0118	.0206	.03
35		.0001	.0002	.0008	.0013	.0018		.0073	.0132	.02
36			.0001			.0010			.0082	.01
37	•		.0001	.0002	.0004	.0010			.0050	.00
38				.0001	.0002	.0003			.0030	
39									.0017	
40					.0001	.0001			.0017	
41						.0001				
42							.0001		.0005	
43								.0001	.0003	
44								.0001	.0002	
45									.0001	
46										.00

1 1

Table 2 Cumulative Poisson Probabilities – continued

m =	26.0	27.0	28.0	29.0	30.0	32.0	34.0	36.0	38.0	40.0
<i>r</i> = 9	1.0000	1.0000	1.0000	1.0000	1,0000	1.0000	1.0000	1.0000	1.0000	1.000
10	.9999	.9999	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.000
11	.9997	.9998	.9999	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.000
12	.9992	.9996	.9998	.9999	.9999	1.0000	1.0000	1.0000	1.0000	1.0000
13	.9982	.9990	.9994	,9997	.9998	1.0000	1.0000	1.0000	1.0000	1.000
14	.9962	.9978	.9987	.9993	.9996	.9999	1.0000	1.0000	1.0000	1.000
15	.9924	.9954	.9973	.9984	.9991	.9997	.9999	1.0000	1.0000	1.000
16	.9858	.9912	.9946	.9967	.9981	.9993	.9998	.9999	1.0000	1.000
17	.9752	.9840	.9899	.9937	.9961	.9986	.9995	.9998	1.0000	1.000
18	.9580	.9726	.9821	.9885	.9927	.9972	.9990	.9997	.9999	1.000
19	.9354	.9555	.9700	.9801	.9871	.9948	.9980	.9993	.9998	,999
20	.9032	.9313	.9522	.9674	.9781	.9907	.9963	.9986	.9995	.999
21	.8613	.8985	.9273	.9489	.9647	.9841	.9932	.9973	.9990	.999
22	.8095	.8564	.8940	.9233	.9456	.9740	.9884	.9951	.9981	.999
23	.7483	.8048	.8517	.8896	.9194	.9594	.9809	.9915	.9965	.998
24	.6791	.7441	8002	.8471	.8854	.9390	.9698	.9859	.9938	.997
25	.6041	.6758	.7401	.7958	.8428	.9119	.9540	.9776	.9897	.995
26	.5261	.6021	.6728	.7363	.7916	.8772	.9326	.9655	.9834	.992
27	.4481	.5256	.6003	.6699	.7327	.8344	.9047	.9487	.9741	.987
28	.3730	.4491	.5251	.5986	.6671	.7838	.8694	.9264	.9611	.980
29	.3033	.3753	.4500	.5247	.5969	.7259	.8267	8977	.9435	.970
30	.2407	.3065	.3774	.4508	.5243	.6620	.7765	.8621	.9204	.956
31	.1866	.2447	3097	.3794	.4516	.5939	.7196	.8194	.8911	.93
32	.1411	.1908	.2485	.3126	.3814	.5235	.6573	.7697	.8552	.91
33	.1042	.1454	.1949	.2521	.3155	.4532	.5911	.7139	.8125	.88
33 34	.0751	.1082	.1495	.1989	.2556	.3850	.5228	.6530	.7635	.84
35	.0528	.0787	.1121	.1535	.2027	,3208	.4546	.5885	.7086	.80
36	.0363	.0559	.0822	.1159	.1574	.2621	.3883	.5222	.6490	.75
37	.0244	.0388	.0589	.0856	.1196	.2099	.3256	.4558	.5862	.70
38	.0160	.0263	.0413	.0619	.0890	.1648	.2681	.3913	.5216	.64
39	.0103	.0203	.0283	.0438	.0648	.1268	.2166	.3301	.4570	.58
40	.0064	.0113	.0190	.0303	.0463	.0956	.1717	.2737	.3941	.52
41	.0039	.0072	.0125	.0205	.0323	.0707	.1336	.2229	.3343	.45
42	.0024	.0045	.0080	.0136	.0221	.0512	.1019	.1783	.2789	.39
	.0024	.0027	.0050	.0089	.0148	.0364	.0763	.1401	.2288	.33
43 44	.0014	.0027	.0030	.0056	.0097	.0253	.0561	.1081	.1845	.28
45	.0004	.0009	.0019	.0035	.0063	.0173	.0404	.0819	.1462	.23
46	.0004	.0005	.0011	.0022	.0040	.0116	.0286	.0609	.1139	.19
47	.0002	.0003	.0006	.0013	.0025	.0076	.0199	.0445	.0872	.15
		.0003	.0004	.0008	.0015	.0049	.0136	.0320	.0657	.11
48 49	.0001	.0002	.0004	.0004	.0009	.0031	.0091	.0225	.0486	.09
50			.0001	.0002	.0005	.0019	.0060	.0156	.0353	.07
51			.0001	.0001	.0003	.0012	.0039	.0106	.0253	.05
52			.0001	.0001	.0002	.0007	.0024	.0071	.0178	.03
				.0001	.0002	.0004	.0015	.0047	.0123	.02
53 54					.0001	.0004	.0009	.0030	.0084	.02
						.0001	.0006	.0019	.0056	.01
55 56						.0001	.0003	.0012	.0037	.00
56						.0001	.0003	.0012	.0024	.00
57 50							.0002	.0007	.0024	.00
58 59							.0001	.0003	.0013	.00
							<u></u>	.0002	.0006	.00
60								.0002	.0004	.00
61								.0001	.0004	.00
62								.0001		.00
63 64									.0001 .0001	.00 00.
04									,0001	.00
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65 66)0.)0.

For values of m greater than 30, use the table of areas under the Normal curve (Table 3) to obtain approximate Poisson probabilities, putting $\mu = m$ and $\sigma = \sqrt{m}$.