

ตารางที่ 5

**Cumulative Distribution Function  
of the Poisson Distribution**

$$\left( \sum_{j=c}^{\infty} \frac{\lambda^j e^{-\lambda}}{j!} \right)^*$$

	$\lambda = .010$	$\lambda = .02$	$\lambda = .03$	$\lambda = .04$	$\lambda = .05$	$\lambda = .06$	$\lambda = .07$	$\lambda = .08$	$\lambda = .09$
0	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000
1	.0099502	.0198013	.0295545	.0392106	.0487706	.0582355	.0676062	.0768837	.0860688
2	.0000497	.0001973	.0004411	.0007790	.0012091	.0017296	.0023386	.0030343	.0038150
3	.0000002	.0000013	.0000044	.0000104	.0000201	.0000344	.0000542	.0000804	.0001136
4				.0000001	.0000003	.0000005	.0000009	.0000016	.0000025

	$\lambda = .10$	$\lambda = .20$	$\lambda = .30$	$\lambda = .40$	$\lambda = .50$	$\lambda = .60$	$\lambda = .70$	$\lambda = .80$	$\lambda = .90$
0	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000
1	.0951626	.1812692	.2591818	.3296800	.393469	.451188	.503415	.550671	.593430
2	.0046788	.0175231	.0369363	.0615519	.090204	.121901	.155805	.191208	.227518
3	.0001547	.0011485	.0035995	.0079263	.014388	.023115	.034142	.047423	.062857
4	.0000038	.0000568	.0002658	.0007763	.001752	.003358	.005753	.009080	.013459
5		.0000023	.0000158	.0000612	.000172	.000394	.000786	.001411	.002344
6		.0000001	.0000008	.0000040	.000014	.000039	.000090	.000184	.000343
7				.0000002	.000001	.000003	.000009	.000021	.000043
8							.000001	.000002	.000005
9									

	$\lambda = 1.0$	$\lambda = 2.0$	$\lambda = 3.0$	$\lambda = 4.0$	$\lambda = 5.0$	$\lambda = 6.0$	$\lambda = 7.0$	$\lambda = 8.0$	$\lambda = 9.0$
0	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000	1.0000000
1	.632121	.864665	.950213	.981684	.993262	.997521	.999088	.999665	.999877
2	.264241	.593994	.800852	.908422	.959572	.982649	.992705	.996981	.998766
3	.080301	.323324	.576810	.761897	.875348	.938031	.970364	.986246	.993768
4	.018988	.142877	.352768	.566530	.734974	.848796	.918235	.957620	.978774
5	.003660	.052653	.184737	.371163	.559507	.714943	.827008	.900368	.945036
6	.000594	.016564	.083918	.214870	.384039	.554320	.699292	.808764	.884309
7	.000083	.004534	.033509	.110674	.237817	.393697	.550289	.686626	.793219
8	.000010	.001097	.011905	.051134	.133372	.256020	.401286	.547039	.676103
9	.000001	.000237	.003803	.021363	.068094	.152763	.270909	.407453	.544347
10		.000046	.001102	.008132	.031828	.083924	.169504	.283376	.412592
11		.000008	.000292	.002840	.013695	.042621	.098521	.184114	.294012
12		.000001	.000071	.000915	.005453	.020092	.053350	.111924	.196992
13			.000016	.000274	.002019	.008827	.027000	.063797	.124227
14			.000003	.000076	.000698	.003628	.012811	.034181	.073851

\* Abridged from *Poisson's Exponential Binomial Limit*, by E. C. Molina. D. Van Nostrand Company Inc., New York, 1942, table II, with permission of the D. Van Nostrand Company, Inc.

	$\lambda = 1.0$	$\lambda = 2.0$	$\lambda = 3.0$	$\lambda = 4.0$	$\lambda = 5.0$	$\lambda = 6.0$	$\lambda = 7.0$	$\lambda = 8.0$	$\lambda = 9.0$	
15			.000001	.000020	.000226	.001400	.005717	.017257	.041466	
16				.000005	.000069	.000509	.002407	.008231	.022036	
17				.000001	.000020	.000175	.000959	.003718	.011106	
18					.000005	.000057	.000362	.001594	.005320	
19					.000001	.000018	.000130	.000650	.002426	
20						.000005	.000044	.000253	.001056	
21						.000001	.000014	.000094	.000439	
22							.000005	.000033	.000175	
23							.000001	.000011	.000067	
24								.000004	.000025	
25								.000001	.000009	
26									.000003	
27									.000001	
	$\lambda = 10.0$	$\lambda = 11.0$	$\lambda = 12.0$	$\lambda = 13.0$	$\lambda = 14.0$	$\lambda = 15.0$	$\lambda = 16$	$\lambda = 17$	$\lambda = 18$	$\lambda = 19$
0	1.000000	1.000000	1.000000	1.000000	1.000000					
1	.999955	.999983	.999994	.999998	.999999	1.000000	1.000000	1.000000		
2	.999501	.999800	.999920	.999968	.999988	.999995	.999998	.999999	1.000000	1.000000
3	.997231	.998789	.999478	.999777	.999906	.999961	.999984	.999993	.999997	.999999
4	.989664	.995084	.997708	.998950	.999526	.999789	.999907	.999959	.999982	.999992
5	.970747	.984895	.992400	.996260	.998195	.999143	.999600	.999815	.999916	.999962
6	.932914	.962480	.979659	.989266	.994468	.997208	.998616	.999325	.999676	.999846
7	.869859	.921386	.954178	.974113	.985772	.992368	.995994	.997938	.998957	.999480
8	.779779	.856808	.910496	.945972	.968380	.981998	.990000	.994567	.997107	.998487
9	.667180	.768015	.844972	.900242	.937945	.962554	.978013	.987404	.992944	.996127
10	.542070	.659489	.757608	.834188	.890601	.930146	.956702	.973875	.984619	.991144
11	.416960	.540111	.652771	.748318	.824319	.881536	.922604	.950876	.969634	.981678
12	.303224	.420733	.538403	.646835	.739960	.815248	.873007	.915331	.945113	.965327
13	.208444	.311303	.424035	.536895	.641542	.732389	.806878	.864976	.908331	.939439
14	.135536	.218709	.318464	.426955	.535552	.636782	.725489	.799127	.857402	.901601
15	.083458	.145956	.227975	.324868	.429563	.534346	.632473	.719167	.791923	.850250
16	.048740	.092604	.155584	.236393	.330640	.431910	.533255	.628546	.713347	.785206
17	.027042	.055924	.101291	.164507	.244082	.335877	.434038	.532262	.624950	.707966
18	.014278	.032191	.062966	.109535	.172799	.251141	.340656	.435977	.531352	.621639
19	.007187	.017687	.037417	.069833	.117357	.180528	.257651	.345042	.437755	.530516
20	.003454	.009289	.021280	.042669	.076505	.124781	.187751	.263678	.349084	.439393
21	.001588	.004671	.011598	.025012	.047908	.082971	.131832	.194519	.269280	.352826
22	.000700	.002252	.006065	.014081	.028844	.053106	.089227	.138534	.200876	.274503
23	.000296	.001042	.003047	.007622	.016712	.032744	.058241	.095272	.144910	.206861
24	.000120	.000464	.001473	.003972	.009328	.019465	.036686	.063296	.101110	.150983
25	.000047	.000199	.000686	.001994	.005020	.011165	.022315	.040646	.068260	.106746
26	.000018	.000082	.000308	.000966	.002608	.006185	.013119	.025245	.044608	.073126
27	.000006	.000033	.000133	.000452	.001309	.003312	.007459	.015174	.028234	.048557
28	.000002	.000013	.000056	.000204	.000635	.001716	.004105	.008834	.017318	.031268
29	.000001	.000005	.000023	.000089	.000298	.000861	.002189	.004984	.010300	.019536
30		.000002	.000009	.000038	.000136	.000418	.001131	.002727	.005944	.011850
31		.000001	.000003	.000016	.000060	.000197	.000567	.001448	.003331	.006982
32			.000001	.000006	.000026	.000090	.000276	.000747	.001813	.003998
33				.000002	.000011	.000040	.000131	.000375	.000960	.002227
34				.000001	.000004	.000017	.000060	.000183	.000494	.001207
35					.000002	.000007	.000027	.000087	.000248	.000637
36					.000001	.000003	.000012	.000040	.000121	.000327
37						.000001	.000005	.000018	.000058	.000164
38							.000002	.000008	.000027	.000080
39							.000001	.000003	.000012	.000038

	$\lambda = 10.0$	$\lambda = 11.0$	$\lambda = 12.0$	$\lambda = 13.0$	$\lambda = 14.0$	$\lambda = 15.0$	$\lambda = 16$	$\lambda = 17$	$\lambda = 18$	$\lambda = 19$
40								.000001	.000005	.000018
41								.000001	.000002	.000008
42									.000001	.000004
43										.000002
44										.000001
	$\lambda = 20$	$\lambda = 21$	$\lambda = 22$	$\lambda = 23$	$\lambda = 24$	$\lambda = 25$	$\lambda = 26$	$\lambda = 27$	$\lambda = 28$	$\lambda = 29$
3	1.000000	1.000000	1.000000							
4	.999997	.999999	.999999	1.000000	1.000000					
5	.999983	.999993	.999997	.999999	.999999	1.000000	1.000000			
6	.999928	.999967	.999985	.999993	.999997	.999999	.999999	1.000000	1.000000	
7	.999745	.999876	.999941	.999972	.999987	.999994	.999997	.999999	.999999	1.000000
8	.999221	.999605	.999803	.999903	.999953	.999977	.999989	.999995	.999998	.999999
9	.997913	.998894	.999423	.999703	.999849	.999925	.999963	.999982	.999991	.999996
10	.995005	.997234	.998495	.999194	.999575	.999779	.999886	.999942	.999971	.999986
11	.989188	.993749	.996453	.998023	.998915	.999414	.999687	.999836	.999914	.999956
12	.978613	.987095	.992370	.995573	.997476	.998584	.999218	.999574	.999771	.999878
13	.960988	.975451	.984884	.990878	.994598	.996856	.998200	.998985	.999436	.999690
14	.933872	.956641	.972215	.982572	.989284	.993533	.996164	.997762	.998714	.999271
15	.895136	.928426	.952307	.968926	.980175	.987598	.992383	.995403	.997270	.998403
16	.843487	.888925	.923108	.948002	.965600	.977707	.985830	.991156	.994574	.996725
17	.778926	.837081	.882960	.917923	.943728	.962252	.975182	.983991	.989857	.993682
18	.702972	.773037	.831004	.877229	.912874	.939525	.958895	.972610	.982088	.988492
19	.618578	.698320	.767502	.825231	.871721	.907959	.935371	.955539	.970003	.980131
20	.529743	.615737	.693973	.762286	.819739	.866425	.903179	.931281	.952193	.967369
21	.440907	.529026	.613091	.689900	.757361	.814508	.861330	.898532	.927259	.948863
22	.356302	.442314	.528358	.610619	.686072	.752701	.809517	.856426	.894014	.923308
23	.279389	.359544	.443625	.527734	.608302	.682467	.748283	.804750	.851702	.889622
24	.212507	.283971	.362576	.444850	.527150	.606124	.679063	.744087	.800191	.847149
25	.156773	.217845	.288281	.365419	.445999	.526602	.604073	.675842	.740096	.795826
26	.112185	.162299	.222901	.292343	.368093	.447079	.526085	.602137	.672789	.736293
27	.077887	.117435	.167580	.227698	.296181	.370614	.448096	.525597	.600305	.669889
28	.052481	.082541	.122503	.172631	.232258	.299814	.372996	.449057	.525136	.595857
29	.034334	.056370	.087086	.127397	.177468	.236599	.303260	.375251	.449967	.524698
30	.021816	.037419	.060217	.091521	.132124	.182104	.240738	.306535	.377390	.450829
31	.013475	.024153	.040514	.064017	.095848	.136691	.186553	.244690	.309651	.379422
32	.008092	.015166	.026531	.043611	.067764	.100068	.141107	.190825	.248468	.312622
33	.004727	.009269	.016918	.028943	.046701	.071456	.104182	.145377	.194933	.252085
34	.002688	.005516	.010509	.018721	.031383	.049780	.075089	.108192	.149509	.198885
35	.001489	.003198	.006362	.011806	.020570	.033842	.052842	.078663	.112101	.153509
36	.000804	.001807	.003755	.007261	.013155	.022458	.036316	.055883	.082175	.115912
37	.000423	.000996	.002162	.004358	.008212	.014552	.024380	.038798	.058899	.085625
38	.000217	.000536	.001215	.002553	.005006	.009211	.015993	.026331	.041285	.061887
39	.000109	.000281	.000667	.001461	.002980	.005696	.010254	.017473	.028306	.043771
40	.000053	.000144	.000357	.000817	.001734	.003444	.006429	.011340	.018987	.030300
41	.000025	.000072	.000187	.000446	.000987	.002036	.003942	.007200	.012465	.020533
42	.000012	.000035	.000096	.000238	.000549	.001177	.002365	.004474	.008010	.013625
43	.000005	.000017	.000048	.000125	.000299	.000666	.001389	.002722	.005040	.008856
44	.000002	.000008	.000024	.000064	.000159	.000369	.000798	.001622	.003107	.005639
45	.000001	.000004	.000011	.000032	.000083	.000200	.000450	.000946	.001876	.003519
46		.000002	.000005	.000016	.000042	.000106	.000248	.000541	.001110	.002152
47		.000001	.000002	.000008	.000021	.000055	.000134	.000303	.000644	.001291
48			.000001	.000004	.000010	.000028	.000071	.000167	.000367	.000759
49				.000002	.000005	.000014	.000037	.000090	.000205	.000438

	$\lambda = 20$	$\lambda = 21$	$\lambda = 22$	$\lambda = 23$	$\lambda = 24$	$\lambda = 25$	$\lambda = 26$	$\lambda = 27$	$\lambda = 28$	$\lambda = 29$
50				.000001	.000002	.000007	.000019	.000048	.000112	.000248
51					.000001	.000003	.000009	.000025	.000060	.000138
52						.000002	.000005	.000013	.000032	.000075
53						.000001	.000002	.000006	.000016	.000040
54							.000001	.000003	.000008	.000021
55								.000001	.000004	.000011
56								.000001	.000002	.000006
57									.000001	.000003
58										.000001
59										.000001