

Binomial Probability Cumulative Distribution

Prob is body of table		$\sum_{x=0}^r b(x; n, p)$															
		p = heading															
Trials n	Success r	0.05	0.1	0.15	0.2	0.25	0.3	0.4	0.45	0.5	0.55	0.6	0.7	0.8	0.85	0.9	0.95
1	0	0.9500	0.9000	0.8500	0.8000	0.7500	0.7000	0.6000	0.5500	0.5000	0.4500	0.4000	0.3000	0.2000	0.1500	0.1000	0.0500
1	1	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
2	0	0.9025	0.8100	0.7225	0.6400	0.5625	0.4900	0.3600	0.3025	0.2500	0.2025	0.1600	0.0900	0.0400	0.0225	0.0100	0.0025
2	1	0.9975	0.9900	0.9775	0.9600	0.9375	0.9100	0.8400	0.7975	0.7500	0.6975	0.6400	0.5100	0.3600	0.2775	0.1900	0.0975
2	2	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
3	0	0.8574	0.7290	0.6141	0.5120	0.4219	0.3430	0.2160	0.1664	0.1250	0.0911	0.0640	0.0270	0.0080	0.0034	0.0010	0.0001
3	1	0.9928	0.9720	0.9393	0.8960	0.8438	0.7840	0.6480	0.5748	0.5000	0.4253	0.3520	0.2160	0.1040	0.0608	0.0280	0.0073
3	2	0.9999	0.9990	0.9966	0.9920	0.9844	0.9730	0.9360	0.9089	0.8750	0.8336	0.7840	0.6570	0.4880	0.3859	0.2710	0.1426
3	3	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
4	0	0.8145	0.6561	0.5220	0.4096	0.3164	0.2401	0.1296	0.0915	0.0625	0.0410	0.0256	0.0081	0.0016	0.0005	0.0001	0.0000
4	1	0.9860	0.9477	0.8905	0.8192	0.7383	0.6517	0.4752	0.3910	0.3125	0.2415	0.1792	0.0837	0.0272	0.0120	0.0037	0.0005
4	2	0.9995	0.9963	0.9880	0.9728	0.9492	0.9163	0.8208	0.7585	0.6875	0.6090	0.5248	0.3483	0.1808	0.1095	0.0523	0.0140
4	3	1.0000	0.9999	0.9995	0.9984	0.9961	0.9919	0.9744	0.9590	0.9375	0.9085	0.8704	0.7599	0.5904	0.4780	0.3439	0.1855
4	4			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
5	0	0.7738	0.5905	0.4437	0.3277	0.2373	0.1681	0.0778	0.0503	0.0313	0.0185	0.0102	0.0024	0.0003	0.0001	0.0000	0.0000
5	1	0.9774	0.9185	0.8352	0.7373	0.6328	0.5282	0.3370	0.2562	0.1875	0.1312	0.0870	0.0308	0.0067	0.0022	0.0005	0.0000
5	2	0.9988	0.9914	0.9734	0.9421	0.8965	0.8369	0.6826	0.5931	0.5000	0.4069	0.3174	0.1631	0.0579	0.0266	0.0086	0.0012
5	3	1.0000	0.9995	0.9978	0.9933	0.9844	0.9692	0.9130	0.8688	0.8125	0.7438	0.6630	0.4718	0.2627	0.1648	0.0815	0.0226
5	4		1.0000	0.9999	0.9997	0.9990	0.9976	0.9898	0.9815	0.9688	0.9497	0.9222	0.8319	0.6723	0.5563	0.4095	0.2262
5	5				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
6	0	0.7351	0.5314	0.3771	0.2621	0.1780	0.1176	0.0467	0.0277	0.0156	0.0083	0.0041	0.0007	0.0001	0.0000	0.0000	0.0000
6	1	0.9672	0.8857	0.7765	0.6554	0.5339	0.4202	0.2333	0.1636	0.1094	0.0692	0.0410	0.0109	0.0016	0.0004	0.0001	0.0000
6	2	0.9978	0.9842	0.9527	0.9011	0.8306	0.7443	0.5443	0.4415	0.3438	0.2553	0.1792	0.0705	0.0170	0.0059	0.0013	0.0001
6	3	0.9999	0.9987	0.9941	0.9830	0.9624	0.9295	0.8208	0.7447	0.6563	0.5585	0.4557	0.2557	0.0989	0.0473	0.0159	0.0022
6	4		0.9999	0.9996	0.9984	0.9954	0.9891	0.9590	0.9308	0.8906	0.8364	0.7667	0.5798	0.3446	0.2235	0.1143	0.0328
6	5			1.0000	0.9999	0.9998	0.9993	0.9959	0.9917	0.9844	0.9723	0.9533	0.8824	0.7379	0.6229	0.4686	0.2649
6	6					1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000

Binomial Probability Cumulative Distribution

Prob is body of table		$\sum_{x=0}^r b(x; n, p)$															
Trials n	Success r	0.05	0.10	0.15	0.20	0.25	0.30	0.40	0.45	0.50	0.55	0.60	0.70	0.80	0.85	0.9	0.95
7	1	0.9556	0.8503	0.7166	0.5767	0.4449	0.3294	0.1586	0.1024	0.0625	0.0357	0.0188	0.0038	0.0004	0.0001	0.0000	0.0000
7	2	0.9962	0.9743	0.9262	0.8520	0.7564	0.6471	0.4199	0.3164	0.2266	0.1529	0.0963	0.0288	0.0047	0.0012	0.0002	0.0000
7	3	0.9998	0.9973	0.9879	0.9667	0.9294	0.8740	0.7102	0.6083	0.5000	0.3917	0.2898	0.1260	0.0333	0.0121	0.0027	0.0002
7	4	1.0000	0.9998	0.9988	0.9953	0.9871	0.9712	0.9037	0.8471	0.7734	0.6836	0.5801	0.3529	0.1480	0.0738	0.0257	0.0038
7	5		1.0000	0.9999	0.9996	0.9987	0.9962	0.9812	0.9643	0.9375	0.8976	0.8414	0.6706	0.4233	0.2834	0.1497	0.0444
7	6				1.0000	0.9999	0.9998	0.9984	0.9963	0.9922	0.9848	0.9720	0.9176	0.7903	0.6794	0.5217	0.3017
7	7						1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
8	0	0.6634	0.4305	0.2725	0.1678	0.1001	0.0576	0.0168	0.0084	0.0039	0.0017	0.0007	0.0001	0.0000	0.0000	0.0000	0.0000
8	1	0.9428	0.8131	0.6572	0.5033	0.3671	0.2553	0.1064	0.0632	0.0352	0.0181	0.0085	0.0013	0.0001	0.0000	0.0000	0.0000
8	2	0.9942	0.9619	0.8948	0.7969	0.6785	0.5518	0.3154	0.2201	0.1445	0.0885	0.0498	0.0113	0.0012	0.0002	0.0000	0.0000
8	3	0.9996	0.9950	0.9786	0.9437	0.8862	0.8059	0.5941	0.4770	0.3633	0.2604	0.1737	0.0580	0.0104	0.0029	0.0004	0.0000
8	4	1.0000	0.9996	0.9971	0.9896	0.9727	0.9420	0.8263	0.7396	0.6367	0.5230	0.4059	0.1941	0.0563	0.0214	0.0050	0.0004
8	5		1.0000	0.9998	0.9988	0.9958	0.9887	0.9502	0.9115	0.8555	0.7799	0.6846	0.4482	0.2031	0.1052	0.0381	0.0058
8	6			1.0000	0.9999	0.9996	0.9987	0.9915	0.9819	0.9648	0.9368	0.8936	0.7447	0.4967	0.3428	0.1869	0.0572
8	7					1.0000	0.9999	0.9993	0.9983	0.9961	0.9916	0.9832	0.9424	0.8322	0.7275	0.5695	0.3366
8	8							1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
9	0	0.6302	0.3874	0.2316	0.1342	0.0751	0.0404	0.0101	0.0046	0.0020	0.0008	0.0003	0.0000	0.0000	0.0000	0.0000	0.0000
9	1	0.9288	0.7748	0.5995	0.4362	0.3003	0.1960	0.0705	0.0385	0.0195	0.0091	0.0038	0.0004	0.0000	0.0000	0.0000	0.0000
9	2	0.9916	0.9470	0.8591	0.7382	0.6007	0.4628	0.2318	0.1495	0.0898	0.0498	0.0250	0.0043	0.0003	0.0000	0.0000	0.0000
9	3	0.9994	0.9917	0.9661	0.9144	0.8343	0.7297	0.4826	0.3614	0.2539	0.1658	0.0994	0.0253	0.0031	0.0006	0.0001	0.0000
9	4	1.0000	0.9991	0.9944	0.9804	0.9511	0.9012	0.7334	0.6214	0.5000	0.3786	0.2666	0.0988	0.0196	0.0056	0.0009	0.0000
9	5		0.9999	0.9994	0.9969	0.9900	0.9747	0.9006	0.8342	0.7461	0.6386	0.5174	0.2703	0.0856	0.0339	0.0083	0.0006
9	6			1.0000	0.9997	0.9987	0.9957	0.9750	0.9502	0.9102	0.8505	0.7682	0.5372	0.2618	0.1409	0.0530	0.0084
9	7				1.0000	0.9999	0.9996	0.9962	0.9909	0.9805	0.9615	0.9295	0.8040	0.5638	0.4005	0.2252	0.0712
9	8					1.0000	1.0000	0.9997	0.9992	0.9980	0.9954	0.9899	0.9596	0.8658	0.7684	0.6126	0.3698
9	9							1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000

Binomial Probability Cumulative Distribution

Prob is body of table		$\sum_{x=0}^r b(x; n, p)$															
<u>Trials</u> n	<u>Success</u> r	<u>0.05</u>	<u>0.10</u>	<u>0.15</u>	<u>0.20</u>	<u>0.25</u>	<u>0.30</u>	<u>0.40</u>	<u>0.45</u>	<u>0.50</u>	<u>0.55</u>	<u>0.60</u>	<u>0.70</u>	<u>0.80</u>	<u>0.85</u>	<u>0.9</u>	<u>0.95</u>
10	0	0.5987	0.3487	0.1969	0.1074	0.0563	0.0282	0.0060	0.0025	0.0010	0.0003	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000
10	1	0.9139	0.7361	0.5443	0.3758	0.2440	0.1493	0.0464	0.0233	0.0107	0.0045	0.0017	0.0001	0.0000	0.0000	0.0000	0.0000
10	2	0.9885	0.9298	0.8202	0.6778	0.5256	0.3828	0.1673	0.0996	0.0547	0.0274	0.0123	0.0016	0.0001	0.0000	0.0000	0.0000
10	3	0.9990	0.9872	0.9500	0.8791	0.7759	0.6496	0.3823	0.2660	0.1719	0.1020	0.0548	0.0106	0.0009	0.0001	0.0000	0.0000
10	4	0.9999	0.9984	0.9901	0.9672	0.9219	0.8497	0.6331	0.5044	0.3770	0.2616	0.1662	0.0473	0.0064	0.0014	0.0001	0.0000
10	5		0.9999	0.9986	0.9936	0.9803	0.9527	0.8338	0.7384	0.6230	0.4956	0.3669	0.1503	0.0328	0.0099	0.0016	0.0001
10	6		1.0000	0.9999	0.9991	0.9965	0.9894	0.9452	0.8980	0.8281	0.7340	0.6177	0.3504	0.1209	0.0500	0.0128	0.0010
10	7			1.0000	0.9999	0.9996	0.9984	0.9877	0.9726	0.9453	0.9004	0.8327	0.6172	0.3222	0.1798	0.0702	0.0115
10	8					1.0000	0.9999	0.9983	0.9955	0.9893	0.9767	0.9536	0.8507	0.6242	0.4557	0.2639	0.0861
10	9						1.0000	0.9999	0.9997	0.9990	0.9975	0.9940	0.9718	0.8926	0.8031	0.6513	0.4013
10	10							1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
11	0	0.5688	0.3138	0.1673	0.0859	0.0422	0.0198	0.0036	0.0014	0.0005	0.0002	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
11	1	0.8981	0.6974	0.4922	0.3221	0.1971	0.1130	0.0302	0.0139	0.0059	0.0022	0.0007	0.0000	0.0000	0.0000	0.0000	0.0000
11	2	0.9848	0.9104	0.7788	0.6174	0.4552	0.3127	0.1189	0.0652	0.0327	0.0148	0.0059	0.0006	0.0000	0.0000	0.0000	0.0000
11	3	0.9984	0.9815	0.9306	0.8389	0.7133	0.5696	0.2963	0.1911	0.1133	0.0610	0.0293	0.0043	0.0002	0.0000	0.0000	0.0000
11	4	0.9999	0.9972	0.9841	0.9496	0.8854	0.7897	0.5328	0.3971	0.2744	0.1738	0.0994	0.0216	0.0020	0.0003	0.0000	0.0000
11	5	1.0000	0.9997	0.9973	0.9883	0.9657	0.9218	0.7535	0.6331	0.5000	0.3669	0.2465	0.0782	0.0117	0.0027	0.0003	0.0000
11	6		1.0000	0.9997	0.9980	0.9924	0.9784	0.9006	0.8262	0.7256	0.6029	0.4672	0.2103	0.0504	0.0159	0.0028	0.0001
11	7			1.0000	0.9998	0.9988	0.9957	0.9707	0.9390	0.8867	0.8089	0.7037	0.4304	0.1611	0.0694	0.0185	0.0016
11	8				1.0000	0.9999	0.9994	0.9941	0.9852	0.9673	0.9348	0.8811	0.6873	0.3826	0.2212	0.0896	0.0152
11	9					1.0000	1.0000	0.9993	0.9978	0.9941	0.9861	0.9698	0.8870	0.6779	0.5078	0.3026	0.1019
11	10							1.0000	0.9998	0.9995	0.9986	0.9964	0.9802	0.9141	0.8327	0.6862	0.4312
11	11								1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000

Binomial Probability Cumulative Distribution

Prob is body of table		Binomial Probability Sums: $\sum_{x=0}^r b(x; n, p)$															
Trial n	Success r	0.05	0.10	0.15	0.20	0.25	0.30	0.40	0.45	0.50	0.55	0.60	0.70	0.80	0.85	0.90	0.95
12	0	0.5404	0.2824	0.1422	0.0687	0.0317	0.0138	0.0022	0.0008	0.0002	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
12	1	0.8816	0.6590	0.4435	0.2749	0.1584	0.0850	0.0196	0.0083	0.0032	0.0011	0.0003	0.0000	0.0000	0.0000	0.0000	0.0000
12	2	0.9804	0.8891	0.7358	0.5583	0.3907	0.2528	0.0834	0.0421	0.0193	0.0079	0.0028	0.0002	0.0000	0.0000	0.0000	0.0000
12	3	0.9978	0.9744	0.9078	0.7946	0.6488	0.4925	0.2253	0.1345	0.0730	0.0356	0.0153	0.0017	0.0001	0.0000	0.0000	0.0000
12	4	0.9998	0.9957	0.9761	0.9274	0.8424	0.7237	0.4382	0.3044	0.1938	0.1117	0.0573	0.0095	0.0006	0.0001	0.0000	0.0000
12	5	1.0000	0.9995	0.9954	0.9806	0.9456	0.8822	0.6652	0.5269	0.3872	0.2607	0.1582	0.0386	0.0039	0.0007	0.0001	0.0000
12	6		0.9999	0.9993	0.9961	0.9857	0.9614	0.8418	0.7393	0.6128	0.4731	0.3348	0.1178	0.0194	0.0046	0.0005	0.0000
12	7			0.9999	0.9994	0.9972	0.9905	0.9427	0.8883	0.8062	0.6956	0.5618	0.2763	0.0726	0.0239	0.0043	0.0002
12	8				0.9999	0.9996	0.9983	0.9847	0.9644	0.9270	0.8655	0.7747	0.5075	0.2054	0.0922	0.0256	0.0022
12	9					1.0000	0.9998	0.9972	0.9921	0.9807	0.9579	0.9166	0.7472	0.4417	0.2642	0.1109	0.0196
12	10						1.0000	0.9997	0.9989	0.9968	0.9917	0.9804	0.9150	0.7251	0.5565	0.3410	0.1184
12	11							1.0000	0.9999	0.9998	0.9992	0.9978	0.9862	0.9313	0.8578	0.7176	0.4596
12	12									1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
13	0	0.5133	0.2542	0.1209	0.0550	0.0238	0.0097	0.0013	0.0004	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
13	1	0.8646	0.6213	0.3983	0.2336	0.1267	0.0637	0.0126	0.0049	0.0017	0.0005	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000
13	2	0.9755	0.8661	0.6920	0.5017	0.3326	0.2025	0.0579	0.0269	0.0112	0.0041	0.0013	0.0001	0.0000	0.0000	0.0000	0.0000
13	3	0.9969	0.9658	0.8820	0.7473	0.5843	0.4206	0.1686	0.0929	0.0461	0.0203	0.0078	0.0007	0.0000	0.0000	0.0000	0.0000
13	4	0.9997	0.9935	0.9658	0.9009	0.7940	0.6543	0.3530	0.2279	0.1334	0.0698	0.0321	0.0040	0.0002	0.0000	0.0000	0.0000
13	5	1.0000	0.9991	0.9925	0.9700	0.9198	0.8346	0.5744	0.4268	0.2905	0.1788	0.0977	0.0182	0.0012	0.0002	0.0000	0.0000
13	6		0.9999	0.9987	0.9930	0.9757	0.9376	0.7712	0.6437	0.5000	0.3563	0.2288	0.0624	0.0070	0.0013	0.0001	0.0000
13	7			0.9998	0.9988	0.9944	0.9818	0.9023	0.8212	0.7095	0.5732	0.4256	0.1654	0.0300	0.0075	0.0009	0.0000
13	8			1.0000	0.9998	0.9990	0.9960	0.9679	0.9302	0.8666	0.7721	0.6470	0.3457	0.0991	0.0342	0.0065	0.0003
13	9				1.0000	0.9999	0.9993	0.9922	0.9797	0.9539	0.9071	0.8314	0.5794	0.2527	0.1180	0.0342	0.0031
13	10					1.0000	0.9999	0.9987	0.9959	0.9888	0.9731	0.9421	0.7975	0.4983	0.3080	0.1339	0.0245
13	11							0.9999	0.9995	0.9983	0.9951	0.9874	0.9363	0.7664	0.6017	0.3787	0.1354
13	12							1.0000	1.0000	0.9999	0.9996	0.9987	0.9903	0.9450	0.8791	0.7458	0.4867
13	13									1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000

Binomial Probability Cumulative Distribution

Prob is body of table		Binomial Probability Sums:							$\sum_{x=0}^r b(x; n, p)$									
Trials n	Success r	0.05	0.1	0.15	0.2	0.25	0.3	0.4	0.45	0.5	0.55	0.6	0.7	0.8	0.85	0.9	0.95	
14	0	0.4877	0.2288	0.1028	0.0440	0.0178	0.0068	0.0008	0.0002	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
14	1	0.8470	0.5846	0.3567	0.1979	0.1010	0.0475	0.0081	0.0029	0.0009	0.0003	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	
14	2	0.9699	0.8416	0.6479	0.4481	0.2811	0.1608	0.0398	0.0170	0.0065	0.0022	0.0006	0.0000	0.0000	0.0000	0.0000	0.0000	
14	3	0.9958	0.9559	0.8535	0.6982	0.5213	0.3552	0.1243	0.0632	0.0287	0.0114	0.0039	0.0002	0.0000	0.0000	0.0000	0.0000	
14	4	0.9996	0.9908	0.9533	0.8702	0.7415	0.5842	0.2793	0.1672	0.0898	0.0426	0.0175	0.0017	0.0000	0.0000	0.0000	0.0000	
14	5	1.0000	0.9985	0.9885	0.9561	0.8883	0.7805	0.4859	0.3373	0.2120	0.1189	0.0583	0.0083	0.0004	0.0000	0.0000	0.0000	
14	6		0.9998	0.9978	0.9884	0.9617	0.9067	0.6925	0.5461	0.3953	0.2586	0.1501	0.0315	0.0024	0.0003	0.0000	0.0000	
14	7		1.0000	0.9997	0.9976	0.9897	0.9685	0.8499	0.7414	0.6047	0.4539	0.3075	0.0933	0.0116	0.0022	0.0002	0.0000	
14	8			1.0000	0.9996	0.9978	0.9917	0.9417	0.8811	0.7880	0.6627	0.5141	0.2195	0.0439	0.0115	0.0015	0.0000	
14	9				1.0000	0.9997	0.9983	0.9825	0.9574	0.9102	0.8328	0.7207	0.4158	0.1298	0.0467	0.0092	0.0004	
14	10					1.0000	0.9998	0.9961	0.9886	0.9713	0.9368	0.8757	0.6448	0.3018	0.1465	0.0441	0.0042	
14	11						1.0000	0.9994	0.9978	0.9935	0.9830	0.9602	0.8392	0.5519	0.3521	0.1584	0.0301	
14	12							0.9999	0.9997	0.9991	0.9971	0.9919	0.9525	0.8021	0.6433	0.4154	0.1530	
14	13								1.0000	0.9999	0.9998	0.9992	0.9932	0.9560	0.8972	0.7712	0.5123	
14	14										1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	
15	0	0.4633	0.2059	0.0874	0.0352	0.0134	0.0047	0.0005	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
15	1	0.8290	0.5490	0.3186	0.1671	0.0802	0.0353	0.0052	0.0017	0.0005	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
15	2	0.9638	0.8159	0.6042	0.3980	0.2361	0.1268	0.0271	0.0107	0.0037	0.0011	0.0003	0.0000	0.0000	0.0000	0.0000	0.0000	
15	3	0.9945	0.9444	0.8227	0.6482	0.4613	0.2969	0.0905	0.0424	0.0176	0.0063	0.0019	0.0001	0.0000	0.0000	0.0000	0.0000	
15	4	0.9994	0.9873	0.9383	0.8358	0.6865	0.5155	0.2173	0.1204	0.0592	0.0255	0.0093	0.0007	0.0000	0.0000	0.0000	0.0000	
15	5	0.9999	0.9978	0.9832	0.9389	0.8516	0.7216	0.4032	0.2608	0.1509	0.0769	0.0338	0.0037	0.0001	0.0000	0.0000	0.0000	
15	6		0.9997	0.9964	0.9819	0.9434	0.8689	0.6098	0.4522	0.3036	0.1818	0.0950	0.0152	0.0008	0.0001	0.0000	0.0000	
15	7		1.0000	0.9994	0.9958	0.9827	0.9500	0.7869	0.6535	0.5000	0.3465	0.2131	0.0500	0.0042	0.0006	0.0000	0.0000	
15	8			0.9999	0.9992	0.9958	0.9848	0.9050	0.8182	0.6964	0.5478	0.3902	0.1311	0.0181	0.0036	0.0003	0.0000	
15	9				0.9999	0.9992	0.9963	0.9662	0.9231	0.8491	0.7392	0.5968	0.2784	0.0611	0.0168	0.0022	0.0001	
15	10				1.0000	0.9999	0.9993	0.9907	0.9745	0.9408	0.8796	0.7827	0.4845	0.1642	0.0617	0.0127	0.0006	
15	11					1.0000	0.9999	0.9981	0.9937	0.9824	0.9576	0.9095	0.7031	0.3518	0.1773	0.0556	0.0055	
15	12							0.9997	0.9989	0.9963	0.9893	0.9729	0.8732	0.6020	0.3958	0.1841	0.0362	
15	13							1.0000	0.9999	0.9995	0.9983	0.9948	0.9647	0.8329	0.6814	0.4510	0.1710	
15	14								1.0000	1.0000	0.9999	0.9995	0.9953	0.9648	0.9126	0.7941	0.5367	
15	15										1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	

Binomial Probability Cumulative Distribution

Prob is body of table		Binomial Probability Sums:							$\sum_{x=0}^r b(x; n, p)$									
Trial n	Success r	0.05	0.10	0.15	0.20	0.25	0.30	0.40	0.45	0.50	0.55	0.60	0.70	0.80	0.85	0.90	0.95	
16	0	0.4401	0.1853	0.0743	0.0281	0.0100	0.0033	0.0003	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
16	1	0.8108	0.5147	0.2839	0.1407	0.0635	0.0261	0.0033	0.0010	0.0003	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
16	2	0.9571	0.7892	0.5614	0.3518	0.1971	0.0994	0.0183	0.0066	0.0021	0.0006	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	
16	3	0.9930	0.9316	0.7899	0.5981	0.4050	0.2459	0.0651	0.0281	0.0106	0.0035	0.0009	0.0000	0.0000	0.0000	0.0000	0.0000	
16	4	0.9991	0.9830	0.9209	0.7982	0.6302	0.4499	0.1666	0.0853	0.0384	0.0149	0.0049	0.0003	0.0000	0.0000	0.0000	0.0000	
16	5	0.9999	0.9967	0.9765	0.9183	0.8103	0.6598	0.3288	0.1976	0.1051	0.0486	0.0191	0.0016	0.0000	0.0000	0.0000	0.0000	
16	6		0.9995	0.9944	0.9733	0.9204	0.8247	0.5272	0.3660	0.2272	0.1241	0.0583	0.0071	0.0002	0.0000	0.0000	0.0000	
16	7		0.9999	0.9989	0.9930	0.9729	0.9256	0.7161	0.5629	0.4018	0.2559	0.1423	0.0257	0.0015	0.0002	0.0000	0.0000	
16	8			0.9998	0.9985	0.9925	0.9743	0.8577	0.7441	0.5982	0.4371	0.2839	0.0744	0.0070	0.0011	0.0001	0.0000	
16	9			1.0000	0.9998	0.9984	0.9929	0.9417	0.8759	0.7728	0.6340	0.4728	0.1753	0.0267	0.0056	0.0005	0.0000	
16	10				1.0000	0.9997	0.9984	0.9809	0.9514	0.8949	0.8024	0.6712	0.3402	0.0817	0.0235	0.0033	0.0001	
16	11					1.0000	0.9997	0.9951	0.9851	0.9616	0.9147	0.8334	0.5501	0.2018	0.0791	0.0170	0.0009	
16	12						1.0000	0.9991	0.9965	0.9894	0.9719	0.9349	0.7541	0.4019	0.2101	0.0684	0.0070	
16	13							0.9999	0.9994	0.9979	0.9934	0.9817	0.9006	0.6482	0.4386	0.2108	0.0429	
16	14							1.0000	0.9999	0.9997	0.9990	0.9967	0.9739	0.8593	0.7161	0.4853	0.1892	
16	15									1.0000	0.9999	0.9997	0.9967	0.9719	0.9257	0.8147	0.5599	
16	16											1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	
17	0	0.4181	0.1668	0.0631	0.0225	0.0075	0.0023	0.0002	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
17	1	0.7922	0.4818	0.2525	0.1182	0.0501	0.0193	0.0021	0.0006	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
17	2	0.9497	0.7618	0.5198	0.3096	0.1637	0.0774	0.0123	0.0041	0.0012	0.0003	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	
17	3	0.9912	0.9174	0.7556	0.5489	0.3530	0.2019	0.0464	0.0184	0.0064	0.0019	0.0005	0.0000	0.0000	0.0000	0.0000	0.0000	
17	4	0.9988	0.9779	0.9013	0.7582	0.5739	0.3887	0.1260	0.0596	0.0245	0.0086	0.0025	0.0001	0.0000	0.0000	0.0000	0.0000	
17	5	0.9999	0.9953	0.9681	0.8943	0.7653	0.5968	0.2639	0.1471	0.0717	0.0301	0.0106	0.0007	0.0000	0.0000	0.0000	0.0000	
17	6	1.0000	0.9992	0.9917	0.9623	0.8929	0.7752	0.4478	0.2902	0.1662	0.0826	0.0348	0.0032	0.0001	0.0000	0.0000	0.0000	
17	7		0.9999	0.9983	0.9891	0.9598	0.8954	0.6405	0.4743	0.3145	0.1834	0.0919	0.0127	0.0005	0.0000	0.0000	0.0000	
17	8		1.0000	0.9997	0.9974	0.9876	0.9597	0.8011	0.6626	0.5000	0.3374	0.1989	0.0403	0.0026	0.0003	0.0000	0.0000	
17	9			1.0000	0.9995	0.9969	0.9873	0.9081	0.8166	0.6855	0.5257	0.3595	0.1046	0.0109	0.0017	0.0001	0.0000	
17	10				0.9999	0.9994	0.9968	0.9652	0.9174	0.8338	0.7098	0.5522	0.2248	0.0377	0.0083	0.0008	0.0000	
17	11					0.9999	0.9993	0.9894	0.9699	0.9283	0.8529	0.7361	0.4032	0.1057	0.0319	0.0047	0.0001	
17	12						0.9999	0.9975	0.9914	0.9755	0.9404	0.8740	0.6113	0.2418	0.0987	0.0221	0.0012	
17	13							1.0000	0.9995	0.9981	0.9936	0.9816	0.9536	0.7981	0.4511	0.2444	0.0826	0.0088
17	14								0.9999	0.9997	0.9988	0.9959	0.9877	0.9226	0.6904	0.4802	0.2382	0.0503
17	15									1.0000	0.9999	0.9994	0.9979	0.9807	0.8818	0.7475	0.5182	0.2078
17	16										1.0000	1.0000	0.9998	0.9977	0.9775	0.9369	0.8332	0.5819

Binomial Probability Cumulative Distribution

17	17											1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	
Prob is body of table		Binomial Probability Sums:							$\sum_{x=0}^r b(x; n, p)$									
<u>Trials</u> n	<u>Success</u> r	<u>0.05</u>	<u>0.10</u>	<u>0.15</u>	<u>0.20</u>	<u>0.25</u>	<u>0.30</u>	<u>0.40</u>	<u>0.45</u>	<u>0.50</u>	<u>0.55</u>	<u>0.60</u>	<u>0.70</u>	<u>0.80</u>	<u>0.85</u>	<u>0.90</u>	<u>0.95</u>	
18	0	0.3972	0.1501	0.0536	0.0180	0.0056	0.0016	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
18	1	0.7735	0.4503	0.2241	0.0991	0.0395	0.0142	0.0013	0.0003	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
18	2	0.9419	0.7338	0.4797	0.2713	0.1353	0.0600	0.0082	0.0025	0.0007	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
18	3	0.9891	0.9018	0.7202	0.5010	0.3057	0.1646	0.0328	0.0120	0.0038	0.0010	0.0002	0.0000	0.0000	0.0000	0.0000	0.0000	
18	4	0.9985	0.9718	0.8794	0.7164	0.5187	0.3327	0.0942	0.0411	0.0154	0.0049	0.0013	0.0000	0.0000	0.0000	0.0000	0.0000	
18	5	0.9998	0.9936	0.9581	0.8671	0.7175	0.5344	0.2088	0.1077	0.0481	0.0183	0.0058	0.0003	0.0000	0.0000	0.0000	0.0000	
18	6	1.0000	0.9988	0.9882	0.9487	0.8610	0.7217	0.3743	0.2258	0.1189	0.0537	0.0203	0.0014	0.0000	0.0000	0.0000	0.0000	
18	7		0.9998	0.9973	0.9837	0.9431	0.8593	0.5634	0.3915	0.2403	0.1280	0.0576	0.0061	0.0002	0.0000	0.0000	0.0000	
18	8		1.0000	0.9995	0.9957	0.9807	0.9404	0.7368	0.5778	0.4073	0.2527	0.1347	0.0210	0.0009	0.0001	0.0000	0.0000	
18	9			0.9999	0.9991	0.9946	0.9790	0.8653	0.7473	0.5927	0.4222	0.2632	0.0596	0.0043	0.0005	0.0000	0.0000	
18	10				0.9998	0.9988	0.9939	0.9424	0.8720	0.7597	0.6085	0.4366	0.1407	0.0163	0.0027	0.0002	0.0000	
18	11				1.0000	0.9998	0.9986	0.9797	0.9463	0.8811	0.7742	0.6257	0.2783	0.0513	0.0118	0.0012	0.0000	
18	12					1.0000	0.9997	0.9942	0.9817	0.9519	0.8923	0.7912	0.4656	0.1329	0.0419	0.0064	0.0002	
18	13						1.0000	0.9987	0.9951	0.9846	0.9589	0.9058	0.6673	0.2836	0.1206	0.0282	0.0015	
18	14							0.9998	0.9990	0.9962	0.9880	0.9672	0.8354	0.4990	0.2798	0.0982	0.0109	
18	15							1.0000	0.9999	0.9993	0.9975	0.9918	0.9400	0.7287	0.5203	0.2662	0.0581	
18	16								1.0000	0.9999	0.9997	0.9987	0.9858	0.9009	0.7759	0.5497	0.2265	
18	17									1.0000	0.9999	0.9984	0.9820	0.9464	0.8499	0.6028		
18	18										1.0000	1.0000	1.0000	1.0000	1.0000	1.0000		

Binomial Probability Cumulative Distribution

Prob is body of table		Binomial Probability Sums:							$\sum_{x=0}^r b(x; n, p)$									
Trials n	Success r	0.05	0.10	0.15	0.20	0.25	0.30	0.40	0.45	0.50	0.55	0.60	0.70	0.80	0.85	0.90	0.95	
19	0	0.3774	0.1351	0.0456	0.0144	0.0042	0.0011	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
19	1	0.7547	0.4203	0.1985	0.0829	0.0310	0.0104	0.0008	0.0002	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
19	2	0.9335	0.7054	0.4413	0.2369	0.1113	0.0462	0.0055	0.0015	0.0004	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	
19	3	0.9868	0.8850	0.6841	0.4551	0.2631	0.1332	0.0230	0.0077	0.0022	0.0005	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	
19	4	0.9980	0.9648	0.8556	0.6733	0.4654	0.2822	0.0696	0.0280	0.0096	0.0028	0.0006	0.0000	0.0000	0.0000	0.0000	0.0000	
19	5	0.9998	0.9914	0.9463	0.8369	0.6678	0.4739	0.1629	0.0777	0.0318	0.0109	0.0031	0.0001	0.0000	0.0000	0.0000	0.0000	
19	6	1.0000	0.9983	0.9837	0.9324	0.8251	0.6655	0.3081	0.1727	0.0835	0.0342	0.0116	0.0006	0.0000	0.0000	0.0000	0.0000	
19	7		0.9997	0.9959	0.9767	0.9225	0.8180	0.4878	0.3169	0.1796	0.0871	0.0352	0.0028	0.0000	0.0000	0.0000	0.0000	
19	8		1.0000	0.9992	0.9933	0.9713	0.9161	0.6675	0.4940	0.3238	0.1841	0.0885	0.0105	0.0003	0.0000	0.0000	0.0000	
19	9			0.9999	0.9984	0.9911	0.9674	0.8139	0.6710	0.5000	0.3290	0.1861	0.0326	0.0016	0.0001	0.0000	0.0000	
19	10			1.0000	0.9997	0.9977	0.9895	0.9115	0.8159	0.6762	0.5060	0.3325	0.0839	0.0067	0.0008	0.0000	0.0000	
19	11				1.0000	0.9995	0.9972	0.9648	0.9129	0.8204	0.6831	0.5122	0.1820	0.0233	0.0041	0.0003	0.0000	
19	12					0.9999	0.9994	0.9884	0.9658	0.9165	0.8273	0.6919	0.3345	0.0676	0.0163	0.0017	0.0000	
19	13						0.9999	0.9969	0.9891	0.9682	0.9223	0.8371	0.5261	0.1631	0.0537	0.0086	0.0002	
19	14						1.0000	0.9994	0.9972	0.9904	0.9720	0.9304	0.7178	0.3267	0.1444	0.0352	0.0020	
19	15							0.9999	0.9995	0.9978	0.9923	0.9770	0.8668	0.5449	0.3159	0.1150	0.0132	
19	16							1.0000	0.9999	0.9996	0.9985	0.9945	0.9538	0.7631	0.5587	0.2946	0.0665	
19	17									1.0000	0.9998	0.9992	0.9896	0.9171	0.8015	0.5797	0.2453	
19	18										1.0000	0.9999	0.9989	0.9856	0.9544	0.8649	0.6226	
19	19												1.0000	1.0000	1.0000	1.0000	1.0000	

Binomial Probability Cumulative Distribution

Prob is body of table		Binomial Probability Sums:						$\sum_{x=0}^r b(x; n, p)$									
Trials n	Success r	0.05	0.10	0.15	0.20	0.25	0.30	0.40	0.45	0.50	0.55	0.60	0.70	0.80	0.85	0.90	0.95
20	0	0.3585	0.1216	0.0388	0.0115	0.0032	0.0008	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
20	1	0.7358	0.3917	0.1756	0.0692	0.0243	0.0076	0.0005	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
20	2	0.9245	0.6769	0.4049	0.2061	0.0913	0.0355	0.0036	0.0009	0.0002	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
20	3	0.9841	0.8670	0.6477	0.4114	0.2252	0.1071	0.0160	0.0049	0.0013	0.0003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
20	4	0.9974	0.9568	0.8298	0.6296	0.4148	0.2375	0.0510	0.0189	0.0059	0.0015	0.0003	0.0000	0.0000	0.0000	0.0000	0.0000
20	5	0.9997	0.9887	0.9327	0.8042	0.6172	0.4164	0.1256	0.0553	0.0207	0.0064	0.0016	0.0000	0.0000	0.0000	0.0000	0.0000
20	6	1.0000	0.9976	0.9781	0.9133	0.7858	0.6080	0.2500	0.1299	0.0577	0.0214	0.0065	0.0003	0.0000	0.0000	0.0000	0.0000
20	7	1.0000	0.9996	0.9941	0.9679	0.8982	0.7723	0.4159	0.2520	0.1316	0.0580	0.0210	0.0013	0.0000	0.0000	0.0000	0.0000
20	8		0.9999	0.9987	0.9900	0.9591	0.8867	0.5956	0.4143	0.2517	0.1308	0.0565	0.0051	0.0001	0.0000	0.0000	0.0000
20	9		1.0000	0.9998	0.9974	0.9861	0.9520	0.7553	0.5914	0.4119	0.2493	0.1275	0.0171	0.0006	0.0000	0.0000	0.0000
20	10			1.0000	0.9994	0.9961	0.9829	0.8725	0.7507	0.5881	0.4086	0.2447	0.0480	0.0026	0.0002	0.0000	0.0000
20	11			1.0000	0.9999	0.9991	0.9949	0.9435	0.8692	0.7483	0.5857	0.4044	0.1133	0.0100	0.0013	0.0001	0.0000
20	12				1.0000	0.9998	0.9987	0.9790	0.9420	0.8684	0.7480	0.5841	0.2277	0.0321	0.0059	0.0004	0.0000
20	13				1.0000	1.0000	0.9997	0.9935	0.9786	0.9423	0.8701	0.7500	0.3920	0.0867	0.0219	0.0024	0.0000
20	14					1.0000	1.0000	0.9984	0.9936	0.9793	0.9447	0.8744	0.5836	0.1958	0.0673	0.0113	0.0003
20	15						1.0000	0.9997	0.9985	0.9941	0.9811	0.9490	0.7625	0.3704	0.1702	0.0432	0.0026
20	16						1.0000	1.0000	0.9997	0.9987	0.9951	0.9840	0.8929	0.5886	0.3523	0.1330	0.0159
20	17							1.0000	1.0000	0.9998	0.9991	0.9964	0.9645	0.7939	0.5951	0.3231	0.0755
20	18							1.0000	1.0000	1.0000	0.9999	0.9995	0.9924	0.9308	0.8244	0.6083	0.2642
20	19								1.0000	1.0000	1.0000	1.0000	0.9992	0.9885	0.9612	0.8784	0.6415
20	20									1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000

Binomial Probability Cumulative Distribution

Prob is body of table		Binomial Probability Sums:							$\sum_{x=0}^r b(x; n, p)$				p = heading.		Prob is body of table		
Trial n	Success r	0.05	0.1	0.15	0.2	0.25	0.3	0.4	0.45	0.5	0.55	0.6	0.7	0.8	0.85	0.9	0.95
21	0	0.3406	0.1094	0.0329	0.0092	0.0024	0.0006	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
21	1	0.7170	0.3647	0.1550	0.0576	0.0190	0.0056	0.0003	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
21	2	0.9151	0.6484	0.3705	0.1787	0.0745	0.0271	0.0024	0.0006	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
21	3	0.9811	0.8480	0.6113	0.3704	0.1917	0.0856	0.0110	0.0031	0.0007	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
21	4	0.9968	0.9478	0.8025	0.5860	0.3674	0.1984	0.0370	0.0126	0.0036	0.0008	0.0002	0.0000	0.0000	0.0000	0.0000	0.0000
21	5	0.9996	0.9856	0.9173	0.7693	0.5666	0.3627	0.0957	0.0389	0.0133	0.0037	0.0008	0.0000	0.0000	0.0000	0.0000	0.0000
21	6	1.0000	0.9967	0.9713	0.8915	0.7436	0.5505	0.2002	0.0964	0.0392	0.0132	0.0036	0.0001	0.0000	0.0000	0.0000	0.0000
21	7		0.9994	0.9917	0.9569	0.8701	0.7230	0.3495	0.1971	0.0946	0.0379	0.0123	0.0006	0.0000	0.0000	0.0000	0.0000
21	8		0.9999	0.9980	0.9856	0.9439	0.8523	0.5237	0.3413	0.1917	0.0908	0.0352	0.0024	0.0000	0.0000	0.0000	0.0000
21	9			0.9996	0.9959	0.9794	0.9324	0.6914	0.5117	0.3318	0.1841	0.0849	0.0087	0.0002	0.0000	0.0000	0.0000
21	10			0.9999	0.9990	0.9936	0.9736	0.8256	0.6790	0.5000	0.3210	0.1744	0.0264	0.0010	0.0001	0.0000	0.0000
21	11				0.9998	0.9983	0.9913	0.9151	0.8159	0.6682	0.4883	0.3086	0.0676	0.0041	0.0004	0.0000	0.0000
21	12				1.0000	0.9996	0.9976	0.9648	0.9092	0.8083	0.6587	0.4763	0.1477	0.0144	0.0020	0.0001	0.0000
21	13					0.9999	0.9994	0.9877	0.9621	0.9054	0.8029	0.6505	0.2770	0.0431	0.0083	0.0006	0.0000
21	14						0.9999	0.9964	0.9868	0.9608	0.9036	0.7998	0.4495	0.1085	0.0287	0.0033	0.0000
21	15						1.0000	0.9992	0.9963	0.9867	0.9611	0.9043	0.6373	0.2307	0.0827	0.0144	0.0004
21	16							0.9998	0.9992	0.9964	0.9874	0.9630	0.8016	0.4140	0.1975	0.0522	0.0032
21	17							1.0000	0.9999	0.9993	0.9969	0.9890	0.9144	0.6296	0.3887	0.1520	0.0189
21	18								1.0000	0.9999	0.9994	0.9976	0.9729	0.8213	0.6295	0.3516	0.0849
21	19									1.0000	0.9999	0.9997	0.9944	0.9424	0.8450	0.6353	0.2830
21	20											1.0000	0.9994	0.9908	0.9671	0.8906	0.6594
21	21												1.0000	1.0000	1.0000	1.0000	1.0000

Binomial Probability Cumulative Distribution

Prob is body of table		Bionomial Probability Sums: $\sum_{x=0}^r b(x; n, p)$															
		p = heading. Prob is body of table															
Trial	Success	0.05	0.1	0.15	0.2	0.25	0.3	0.4	0.45	0.5	0.55	0.6	0.7	0.8	0.85	0.9	0.95
22	0	0.3235	0.0985	0.0280	0.0074	0.0018	0.0004	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
22	1	0.6982	0.3392	0.1367	0.0480	0.0149	0.0041	0.0002	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
22	2	0.9052	0.6200	0.3382	0.1545	0.0606	0.0207	0.0016	0.0003	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
22	3	0.9778	0.8281	0.5752	0.3320	0.1624	0.0681	0.0076	0.0020	0.0004	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
22	4	0.9960	0.9379	0.7738	0.5429	0.3235	0.1645	0.0266	0.0083	0.0022	0.0005	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000
22	5	0.9994	0.9818	0.9001	0.7326	0.5168	0.3134	0.0722	0.0271	0.0085	0.0021	0.0004	0.0000	0.0000	0.0000	0.0000	0.0000
22	6	0.9999	0.9956	0.9632	0.8670	0.6994	0.4942	0.1584	0.0705	0.0262	0.0080	0.0019	0.0000	0.0000	0.0000	0.0000	0.0000
22	7		0.9991	0.9886	0.9439	0.8385	0.6713	0.2898	0.1518	0.0669	0.0243	0.0070	0.0002	0.0000	0.0000	0.0000	0.0000
22	8		0.9999	0.9970	0.9799	0.9254	0.8135	0.4540	0.2764	0.1431	0.0617	0.0215	0.0011	0.0000	0.0000	0.0000	0.0000
22	9		1.0000	0.9993	0.9939	0.9705	0.9084	0.6244	0.4350	0.2617	0.1328	0.0551	0.0043	0.0001	0.0000	0.0000	0.0000
22	10			0.9999	0.9984	0.9900	0.9613	0.7720	0.6037	0.4159	0.2457	0.1207	0.0140	0.0003	0.0000	0.0000	0.0000
22	11			1.0000	0.9997	0.9971	0.9860	0.8793	0.7543	0.5841	0.3963	0.2280	0.0387	0.0016	0.0001	0.0000	0.0000
22	12				0.9999	0.9993	0.9957	0.9449	0.8672	0.7383	0.5650	0.3756	0.0916	0.0061	0.0007	0.0000	0.0000
22	13					0.9999	0.9989	0.9785	0.9383	0.8569	0.7236	0.5460	0.1865	0.0201	0.0030	0.0001	0.0000
22	14					1.0000	0.9998	0.9930	0.9757	0.9331	0.8482	0.7102	0.3287	0.0561	0.0114	0.0009	0.0000
22	15						1.0000	0.9981	0.9920	0.9738	0.9295	0.8416	0.5058	0.1330	0.0368	0.0044	0.0001
22	16							0.9996	0.9979	0.9915	0.9729	0.9278	0.6866	0.2674	0.0999	0.0182	0.0006
22	17							0.9999	0.9995	0.9978	0.9917	0.9734	0.8355	0.4571	0.2262	0.0621	0.0040
22	18								0.9999	0.9996	0.9980	0.9924	0.9319	0.6680	0.4248	0.1719	0.0222
22	19									0.9999	0.9997	0.9984	0.9793	0.8455	0.6618	0.3800	0.0948
22	20										1.0000	0.9998	0.9959	0.9520	0.8633	0.6608	0.3018
22	21											1.0000	0.9996	0.9926	0.9720	0.9015	0.6765
22	22												1.0000	1.0000	1.0000	1.0000	1.0000

Binomial Probability Cumulative Distribution

Prob is body of table		Binomial Probability Sums: $\sum_{x=0}^r b(x; n, p)$											p = heading. table					Prob is body of table	
Trial n	Success r	0.05	0.1	0.15	0.2	0.25	0.3	0.4	0.45	0.5	0.55	0.6	0.7	0.8	0.85	0.9	0.95		
23	0	0.3074	0.0886	0.0238	0.0059	0.0013	0.0003	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		
23	1	0.6794	0.3151	0.1204	0.0398	0.0116	0.0030	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		
23	2	0.8948	0.5920	0.3080	0.1332	0.0492	0.0157	0.0010	0.0002	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		
23	3	0.9742	0.8073	0.5396	0.2965	0.1370	0.0538	0.0052	0.0012	0.0002	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		
23	4	0.9951	0.9269	0.7440	0.5007	0.2832	0.1356	0.0190	0.0055	0.0013	0.0002	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000		
23	5	0.9992	0.9774	0.8811	0.6947	0.4685	0.2688	0.0540	0.0186	0.0053	0.0012	0.0002	0.0000	0.0000	0.0000	0.0000	0.0000		
23	6	0.9999	0.9942	0.9537	0.8402	0.6537	0.4399	0.1240	0.0510	0.0173	0.0048	0.0010	0.0000	0.0000	0.0000	0.0000	0.0000		
23	7		0.9988	0.9848	0.9285	0.8037	0.6181	0.2373	0.1152	0.0466	0.0153	0.0040	0.0001	0.0000	0.0000	0.0000	0.0000		
23	8		0.9998	0.9958	0.9727	0.9037	0.7709	0.3884	0.2203	0.1050	0.0411	0.0128	0.0005	0.0000	0.0000	0.0000	0.0000		
23	9		1.0000	0.9990	0.9911	0.9592	0.8799	0.5562	0.3636	0.2024	0.0937	0.0349	0.0021	0.0000	0.0000	0.0000	0.0000		
23	10			0.9998	0.9975	0.9851	0.9454	0.7129	0.5278	0.3388	0.1836	0.0813	0.0072	0.0001	0.0000	0.0000	0.0000		
23	11			1.0000	0.9994	0.9954	0.9786	0.8364	0.6865	0.5000	0.3135	0.1636	0.0214	0.0006	0.0000	0.0000	0.0000		
23	12				0.9999	0.9988	0.9928	0.9187	0.8164	0.6612	0.4722	0.2871	0.0546	0.0025	0.0002	0.0000	0.0000		
23	13				1.0000	0.9997	0.9979	0.9651	0.9063	0.7976	0.6364	0.4438	0.1201	0.0089	0.0010	0.0000	0.0000		
23	14					0.9999	0.9995	0.9872	0.9589	0.8950	0.7797	0.6116	0.2291	0.0273	0.0042	0.0002	0.0000		
23	15						0.9999	0.9960	0.9847	0.9534	0.8848	0.7627	0.3819	0.0715	0.0152	0.0012	0.0000		
23	16						1.0000	0.9990	0.9952	0.9827	0.9490	0.8760	0.5601	0.1598	0.0463	0.0058	0.0001		
23	17							0.9998	0.9988	0.9947	0.9814	0.9460	0.7312	0.3053	0.1189	0.0226	0.0008		
23	18							1.0000	0.9998	0.9987	0.9945	0.9810	0.8644	0.4993	0.2560	0.0731	0.0049		
23	19								1.0000	0.9998	0.9988	0.9948	0.9462	0.7035	0.4604	0.1927	0.0258		
23	20									1.0000	0.9998	0.9990	0.9843	0.8668	0.6920	0.4080	0.1052		
23	21										1.0000	0.9999	0.9970	0.9602	0.8796	0.6849	0.3206		
23	22											1.0000	0.9997	0.9941	0.9762	0.9114	0.6926		
23	23												1.0000	1.0000	1.0000	1.0000	1.0000		

Binomial Probability Cumulative Distribution

Prob is body of table		Binomial Probability Sums: $\sum_{x=0}^r b(x; n, p)$										p = heading. Prob is body of table					
Trials <u>n</u>	Success <u>r</u>	<u>0.05</u>	<u>0.1</u>	<u>0.15</u>	<u>0.2</u>	<u>0.25</u>	<u>0.3</u>	<u>0.4</u>	<u>0.45</u>	<u>0.5</u>	<u>0.55</u>	<u>0.6</u>	<u>0.7</u>	<u>0.8</u>	<u>0.85</u>	<u>0.9</u>	<u>0.95</u>
24	0	0.2920	0.0798	0.0202	0.0047	0.0010	0.0002	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
24	1	0.6608	0.2925	0.1059	0.0331	0.0090	0.0022	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
24	2	0.8841	0.5643	0.2798	0.1145	0.0398	0.0119	0.0007	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
24	3	0.9702	0.7857	0.5049	0.2639	0.1150	0.0424	0.0035	0.0008	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
24	4	0.9940	0.9149	0.7134	0.4599	0.2466	0.1111	0.0134	0.0036	0.0008	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
24	5	0.9990	0.9723	0.8606	0.6559	0.4222	0.2288	0.0400	0.0127	0.0033	0.0007	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000
24	6	0.9999	0.9925	0.9428	0.8111	0.6074	0.3886	0.0960	0.0364	0.0113	0.0028	0.0005	0.0000	0.0000	0.0000	0.0000	0.0000
24	7	1.0000	0.9983	0.9801	0.9108	0.7662	0.5647	0.1919	0.0863	0.0320	0.0095	0.0022	0.0000	0.0000	0.0000	0.0000	0.0000
24	8		0.9997	0.9941	0.9638	0.8787	0.7250	0.3279	0.1730	0.0758	0.0269	0.0075	0.0002	0.0000	0.0000	0.0000	0.0000
24	9		0.9999	0.9985	0.9874	0.9453	0.8472	0.4891	0.2991	0.1537	0.0648	0.0217	0.0010	0.0000	0.0000	0.0000	0.0000
24	10			0.9997	0.9962	0.9787	0.9258	0.6502	0.4539	0.2706	0.1341	0.0535	0.0036	0.0000	0.0000	0.0000	0.0000
24	11			0.9999	0.9990	0.9928	0.9686	0.7870	0.6151	0.4194	0.2420	0.1143	0.0115	0.0002	0.0000	0.0000	0.0000
24	12				0.9998	0.9979	0.9885	0.8857	0.7580	0.5806	0.3849	0.2130	0.0314	0.0010	0.0001	0.0000	0.0000
24	13				1.0000	0.9995	0.9964	0.9465	0.8659	0.7294	0.5461	0.3498	0.0742	0.0038	0.0003	0.0000	0.0000
24	14					0.9999	0.9990	0.9783	0.9352	0.8463	0.7009	0.5109	0.1528	0.0126	0.0015	0.0001	0.0000
24	15					1.0000	0.9998	0.9925	0.9731	0.9242	0.8270	0.6721	0.2750	0.0362	0.0059	0.0003	0.0000
24	16						1.0000	0.9978	0.9905	0.9680	0.9137	0.8081	0.4353	0.0892	0.0199	0.0017	0.0000
24	17							0.9995	0.9972	0.9887	0.9636	0.9040	0.6114	0.1889	0.0572	0.0075	0.0001
24	18							0.9999	0.9993	0.9967	0.9873	0.9600	0.7712	0.3441	0.1394	0.0277	0.0010
24	19							1.0000	0.9999	0.9992	0.9964	0.9866	0.8889	0.5401	0.2866	0.0851	0.0060
24	20								1.0000	0.9999	0.9992	0.9965	0.9576	0.7361	0.4951	0.2143	0.0298
24	21									1.0000	0.9999	0.9993	0.9881	0.8855	0.7202	0.4357	0.1159
24	22										1.0000	0.9999	0.9978	0.9669	0.8941	0.7075	0.3392
24	23												0.9998	0.9953	0.9798	0.9202	0.7080
24	24												1.0000	1.0000	1.0000	1.0000	1.0000

Binomial Probability Cumulative Distribution

Prob is body of table		Binomial Probability Sums: $\sum_{x=0}^r b(x; n, p)$															
Trial n	Success r	0.05	0.1	0.15	0.2	0.25	0.3	0.4	0.45	0.5	0.55	0.6	0.7	0.8	0.85	0.9	0.95
25	0	0.2774	0.0718	0.0172	0.0038	0.0008	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
25	1	0.6424	0.2712	0.0931	0.0274	0.0070	0.0016	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
25	2	0.8729	0.5371	0.2537	0.0982	0.0321	0.0090	0.0004	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
25	3	0.9659	0.7636	0.4711	0.2340	0.0962	0.0332	0.0024	0.0005	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
25	4	0.9928	0.9020	0.6821	0.4207	0.2137	0.0905	0.0095	0.0023	0.0005	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
25	5	0.9988	0.9666	0.8385	0.6167	0.3783	0.1935	0.0294	0.0086	0.0020	0.0004	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000
25	6	0.9998	0.9905	0.9305	0.7800	0.5611	0.3407	0.0736	0.0258	0.0073	0.0016	0.0003	0.0000	0.0000	0.0000	0.0000	0.0000
25	7	1.0000	0.9977	0.9745	0.8909	0.7265	0.5118	0.1536	0.0639	0.0216	0.0058	0.0012	0.0000	0.0000	0.0000	0.0000	0.0000
25	8		0.9995	0.9920	0.9532	0.8506	0.6769	0.2735	0.1340	0.0539	0.0174	0.0043	0.0001	0.0000	0.0000	0.0000	0.0000
25	9		0.9999	0.9979	0.9827	0.9287	0.8106	0.4246	0.2424	0.1148	0.0440	0.0132	0.0005	0.0000	0.0000	0.0000	0.0000
25	10			0.9995	0.9944	0.9703	0.9022	0.5858	0.3843	0.2122	0.0960	0.0344	0.0018	0.0000	0.0000	0.0000	0.0000
25	11			0.9999	0.9985	0.9893	0.9558	0.7323	0.5426	0.3450	0.1827	0.0778	0.0060	0.0001	0.0000	0.0000	0.0000
25	12				0.9996	0.9966	0.9825	0.8462	0.6937	0.5000	0.3063	0.1538	0.0175	0.0004	0.0000	0.0000	0.0000
25	13				0.9999	0.9991	0.9940	0.9222	0.8173	0.6550	0.4574	0.2677	0.0442	0.0015	0.0001	0.0000	0.0000
25	14					0.9998	0.9982	0.9656	0.9040	0.7878	0.6157	0.4142	0.0978	0.0056	0.0005	0.0000	0.0000
25	15					1.0000	0.9995	0.9868	0.9560	0.8852	0.7576	0.5754	0.1894	0.0173	0.0021	0.0001	0.0000
25	16						0.9999	0.9957	0.9826	0.9461	0.8660	0.7265	0.3231	0.0468	0.0080	0.0005	0.0000
25	17							0.9988	0.9942	0.9784	0.9361	0.8464	0.4882	0.1091	0.0255	0.0023	0.0000
25	18							0.9997	0.9984	0.9927	0.9742	0.9264	0.6593	0.2200	0.0695	0.0095	0.0002
25	19							0.9999	0.9996	0.9980	0.9914	0.9706	0.8065	0.3833	0.1615	0.0334	0.0012
25	20								0.9999	0.9995	0.9977	0.9905	0.9095	0.5793	0.3179	0.0980	0.0072
25	21									0.9999	0.9995	0.9976	0.9668	0.7660	0.5289	0.2364	0.0341
25	22										0.9999	0.9996	0.9910	0.9018	0.7463	0.4629	0.1271
25	23											0.9999	0.9984	0.9726	0.9069	0.7288	0.3576
25	24												0.9999	0.9962	0.9828	0.9282	0.7226
25	25													1.0000	1.0000	1.0000	1.0000