

Table 1: Binomial individual term and tail probabilities.

Under each value of π the first column gives $b(k; n, \pi)$, the probability of k successes in n independent trials with probability of success π in each trial. The second column gives $P[X \leq k]$ or $P[X \geq k]$ if one of these is less than 0.5. A missing entry indicates that neither is less than 0.5.

		$\pi = 0.1$		$\pi = 0.2$		$\pi = 0.3$		$\pi = 0.4$		$\pi = 0.5$	
n	k										
2	0	.8100	—	.6400	—	.4900	.4900	.3600	.3600	.2500	.2500
	1	.1800	.1900	.3200	.3600	.4200	—	.4800	—	.5000	—
	2	.0100	.0100	.0400	.0400	.0900	.0900	.1600	.1600	.2500	.2500
3	0	.7290	—	.5120	—	.3430	.3430	.2160	.2160	.1250	.1250
	1	.2430	.2710	.3840	.4880	.4410	—	.4320	—	.3750	—
	2	.0270	.0280	.0960	.1040	.1890	.2160	.2880	.3520	.3750	—
	3	.0010	.0010	.0080	.0080	.0270	.0270	.0640	.0640	.1250	.1250
4	0	.6561	—	.4096	.4096	.2401	.2401	.1296	.1296	.0625	.0625
	1	.2916	.3439	.4096	—	.4116	—	.3456	.4752	.2500	.3125
	2	.0486	.0523	.1536	.1808	.2646	.3483	.3456	—	.3750	—
	3	.0036	.0037	.0256	.0272	.0756	.0837	.1536	.1792	.2500	.3125
	4	.0001	.0001	.0016	.0016	.0081	.0081	.0256	.0256	.0625	.0625
5	0	.5905	—	.3277	.3277	.1681	.1681	.0778	.0778	.0313	.0313
	1	.3281	.4095	.4096	—	.3602	—	.2592	.3370	.1563	.1875
	2	.0729	.0815	.2048	.2647	.3087	.4718	.3456	—	.3125	—
	3	.0081	.0086	.0512	.0579	.1323	.1631	.2304	.3174	.3125	—
	4	.0005	.0005	.0064	.0067	.0284	.0308	.0768	.0870	.1563	.1875
	5	.0000	.0000	.0003	.0003	.0024	.0024	.0102	.0102	.0313	.0313
6	0	.5314	—	.2621	.2621	.1176	.1176	.0467	.0467	.0156	.0156
	1	.3543	.4686	.3932	—	.3025	.4202	.1866	.2333	.0938	.1094
	2	.0984	.1143	.2458	.3446	.3241	—	.3110	—	.2344	.3438
	3	.0146	.0159	.0819	.0989	.1852	.2557	.2765	.4557	.3125	—
	4	.0012	.0013	.0154	.0170	.0595	.0705	.1382	.1792	.2344	.3438
	5	.0001	.0001	.0015	.0016	.0102	.0109	.0369	.0410	.0938	.1094
	6	.0000	.0000	.0001	.0001	.0007	.0007	.0041	.0041	.0156	.0156
7	0	.4783	.4783	.2097	.2097	.0824	.0824	.0280	.0280	.0078	.0078
	1	.3720	—	.3670	—	.2471	.3294	.1306	.1586	.0547	.0625
	2	.1240	.1497	.2753	.4233	.3177	—	.2613	.4199	.1641	.2266
	3	.0230	.0257	.1147	.1480	.2269	.3529	.2903	—	.2734	—
	4	.0026	.0027	.0287	.0333	.0972	.1260	.1935	.2898	.2734	—
	5	.0002	.0002	.0043	.0047	.0250	.0288	.0774	.0963	.1641	.2266
	6	.0000	.0000	.0004	.0004	.0036	.0038	.0172	.0188	.0547	.0625
	7	.0000	.0000	.0000	.0000	.0002	.0002	.0016	.0016	.0078	.0078
	8	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000	.0000
8	0	.4305	.4305	.1678	.1678	.0576	.0576	.0168	.0168	.0039	.0039
	1	.3826	—	.3355	—	.1977	.2553	.0896	.1064	.0313	.0352
	2	.1488	.1869	.2936	.4967	.2965	—	.2090	.3154	.1094	.1445
	3	.0331	.0381	.1468	.2031	.2541	.4482	.2787	—	.2188	.3633
	4	.0046	.0050	.0459	.0563	.1361	.1941	.2322	.4059	.2734	—
	5	.0004	.0004	.0092	.0104	.0467	.0580	.1239	.1737	.2188	.3633
	6	.0000	.0000	.0011	.0012	.0100	.0113	.0413	.0498	.1094	.1445
	7	.0000	.0000	.0001	.0001	.0012	.0013	.0079	.0085	.0313	.0352
	8	.0000	.0000	.0000	.0000	.0001	.0001	.0007	.0007	.0039	.0039
9	0	.3874	.3874	.1342	.1342	.0404	.0404	.0101	.0101	.0020	.0020
	1	.3874	—	.3020	.4362	.1556	.1960	.0605	.0705	.0176	.0195
	2	.1722	.2252	.3020	—	.2668	.4628	.1612	.2318	.0703	.0898
	3	.0446	.0530	.1762	.2618	.2668	—	.2508	.4826	.1641	.2539
	4	.0074	.0083	.0661	.0856	.1715	.2703	.2508	—	.2461	—