



ANEXO D

TABLAS

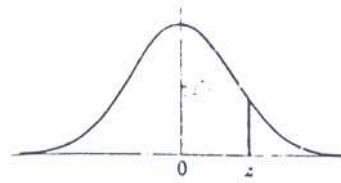
D) TABLAS

1. Distribución Normal

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Apéndice II

Areas
bajo la curva
normal
canónica entre 0 y z



z	0	1	2	3	4	5	6	7	8	9
0.0	.0000	.0040	.0080	.0120	.0160	.0199	.0239	.0279	.0319	.0359
0.1	.0398	.0438	.0478	.0517	.0557	.0596	.0636	.0675	.0714	.0754
0.2	.0793	.0832	.0871	.0910	.0948	.0987	.1026	.1064	.1103	.1141
0.3	.1179	.1217	.1255	.1293	.1331	.1368	.1406	.1443	.1480	.1517
0.4	.1554	.1591	.1628	.1664	.1700	.1736	.1772	.1808	.1844	.1879
0.5	.1915	.1950	.1985	.2019	.2054	.2088	.2123	.2157	.2190	.2224
0.6	.2258	.2291	.2324	.2357	.2389	.2422	.2454	.2486	.2518	.2549
0.7	.2580	.2612	.2642	.2673	.2704	.2734	.2764	.2794	.2823	.2852
0.8	.2881	.2910	.2939	.2967	.2996	.3023	.3051	.3078	.3106	.3133
0.9	.3159	.3186	.3212	.3238	.3264	.3289	.3315	.3340	.3365	.3389
1.0	.3413	.3438	.3461	.3485	.3508	.3531	.3554	.3577	.3599	.3621
1.1	.3643	.3665	.3686	.3708	.3729	.3749	.3770	.3790	.3810	.3830
1.2	.3849	.3869	.3888	.3907	.3925	.3944	.3962	.3980	.3997	.4015
1.3	.4032	.4049	.4066	.4082	.4099	.4115	.4131	.4147	.4162	.4177
1.4	.4192	.4207	.4222	.4236	.4251	.4265	.4279	.4292	.4306	.4319
1.5	.4332	.4345	.4357	.4370	.4382	.4394	.4406	.4418	.4429	.4441
1.6	.4452	.4463	.4474	.4484	.4495	.4505	.4515	.4525	.4535	.4545
1.7	.4554	.4564	.4573	.4582	.4591	.4599	.4608	.4616	.4625	.4633
1.8	.4641	.4649	.4656	.4664	.4671	.4678	.4686	.4693	.4699	.4706
1.9	.4713	.4719	.4726	.4732	.4738	.4744	.4750	.4756	.4761	.4767
2.0	.4772	.4778	.4783	.4788	.4793	.4798	.4803	.4808	.4812	.4817
2.1	.4821	.4826	.4830	.4834	.4838	.4842	.4846	.4850	.4854	.4857
2.2	.4861	.4864	.4868	.4871	.4875	.4878	.4881	.4884	.4887	.4890
2.3	.4893	.4896	.4898	.4901	.4904	.4906	.4909	.4911	.4913	.4916
2.4	.4918	.4920	.4922	.4925	.4927	.4929	.4931	.4932	.4934	.4936
2.5	.4938	.4940	.4941	.4943	.4945	.4946	.4948	.4949	.4951	.4952
2.6	.4953	.4955	.4956	.4957	.4959	.4960	.4961	.4962	.4963	.4964
2.7	.4965	.4966	.4967	.4968	.4969	.4970	.4971	.4972	.4973	.4974
2.8	.4974	.4975	.4976	.4977	.4977	.4978	.4979	.4979	.4980	.4981
2.9	.4981	.4982	.4982	.4983	.4984	.4984	.4985	.4985	.4986	.4986
3.0	.4987	.4987	.4987	.4988	.4988	.4989	.4989	.4989	.4990	.4990
3.1	.4990	.4991	.4991	.4991	.4992	.4992	.4992	.4992	.4993	.4993
3.2	.4993	.4993	.4994	.4994	.4994	.4994	.4994	.4995	.4995	.4995
3.3	.4995	.4995	.4995	.4996	.4996	.4996	.4996	.4996	.4996	.4997
3.4	.4997	.4997	.4997	.4997	.4997	.4997	.4997	.4997	.4997	.4998
3.5	.4998	.4998	.4998	.4998	.4998	.4998	.4998	.4998	.4998	.4998
3.6	.4998	.4998	.4999	.4999	.4999	.4999	.4999	.4999	.4999	.4999
3.7	.4999	.4999	.4999	.4999	.4999	.4999	.4999	.4999	.4999	.4999
3.8	.4999	.4999	.4999	.4999	.4999	.4999	.4999	.4999	.4999	.4999
3.9	.5000	.5000	.5000	.5000	.5000	.5000	.5000	.5000	.5000	.5000

3. Distribución de Probabilidad Normal ²⁴

Tabla 4: Probabilidades Binomiales Puntuales, acumuladas por la izquierda y acumuladas por la derecha

$$f(x) = P(\mathbf{B}(n, p) = x) = \binom{n}{x} p^x q^{n-x} \quad F(x) = P(\mathbf{B}(n, p) \leq x) = \sum_{r=0}^x \binom{n}{r} p^r q^{n-r} \quad R(x) = P(\mathbf{B}(n, p) \geq x) = \sum_{r=x}^n \binom{n}{r} p^r q^{n-r}$$

		Probabilidad p																
n	x	.001	.01	.05	.10	.15	1/6	.20	.25	.30	1/3	.35	.40	.45	.49	.50	n	x
1	0	.9990	.9900	.9500	.9000	.8500	.8333	.8000	.7500	.7000	.6667	.6500	.6000	.5500	.5100	.5000	1	0
		.9990	.9900	.9500	.9000	.8500	.8333	.8000	.7500	.7000	.6667	.6500	.6000	.5500	.5100	.5000		
		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	1	.0010	.0100	.0500	.1000	.1500	.1667	.2000	.2500	.3000	.3333	.3500	.4000	.4500	.4900	.5000	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		
		.0010	.0100	.0500	.1000	.1500	.1667	.2000	.2500	.3000	.3333	.3500	.4000	.4500	.4900	.5000		
2	0	.9980	.9801	.9025	.8100	.7225	.6944	.6400	.5625	.4900	.4444	.4225	.3600	.3025	.2601	.2500	2	0
		.9980	.9801	.9025	.8100	.7225	.6944	.6400	.5625	.4900	.4444	.4225	.3600	.3025	.2601	.2500		
		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	1	.0020	.0198	.0950	.1800	.2550	.2778	.3200	.3750	.4200	.4444	.4550	.4800	.4950	.4998	.5000	2	1
		1.0000	.9999	.9975	.9900	.9775	.9722	.9600	.9375	.9100	.8889	.8775	.8400	.7975	.7599	.7500		
		.0020	.0199	.0975	.1900	.2775	.3056	.3600	.4375	.5100	.5556	.5775	.6400	.6975	.7399	.7500		
2	2	0.0000	.0001	.0025	.0100	.0225	.0278	.0400	.0625	.0900	.1111	.1225	.1600	.2025	.2401	.2500	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		
		0.0000	.0001	.0025	.0100	.0225	.0278	.0400	.0625	.0900	.1111	.1225	.1600	.2025	.2401	.2500		
3	0	.9970	.9703	.8574	.7290	.6141	.5787	.5120	.4219	.3430	.2963	.2746	.2160	.1664	.1327	.1250	3	0
		.9970	.9703	.8574	.7290	.6141	.5787	.5120	.4219	.3430	.2963	.2746	.2160	.1664	.1327	.1250		
		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	1	.0030	.0294	.1354	.2430	.3251	.3472	.3840	.4219	.4410	.4444	.4436	.4320	.4084	.3823	.3750	3	1
		1.0000	.9997	.9928	.9720	.9393	.9259	.8960	.8438	.7840	.7407	.7183	.6480	.5748	.5150	.5000		
		.0030	.0297	.1426	.2710	.3859	.4213	.4880	.5781	.6570	.7037	.7254	.7840	.8336	.8673	.8750		
3	2	0.0000	.0003	.0071	.0270	.0574	.0694	.0960	.1406	.1890	.2222	.2389	.2880	.3341	.3674	.3750	3	2
		1.0000	1.0000	.9999	.9990	.9966	.9954	.9920	.9844	.9730	.9630	.9571	.9360	.9089	.8824	.8750		
		0.0000	.0003	.0072	.0280	.0607	.0741	.1040	.1562	.2160	.2593	.2817	.3520	.4252	.4850	.5000		

Nota: Para $0.5 < p < 1$ hágase $f(x, n, p) = f(n - x, n, 1 - p)$, $F(x, n, p) = R(n - x, n, 1 - p)$, $R(x, n, p) = F(n - x, n, 1 - p)$

(continúa)

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TABLAS ESTADÍSTICAS

Tabla 4 (cont.): Probabilidades Binomiales Puntuales, acumuladas por la izquierda y acumuladas por la derecha

$$f(x) = P(\mathbf{B}(n, p) = x) = \binom{n}{x} p^x q^{n-x} \quad F(x) = P(\mathbf{B}(n, p) \leq x) = \sum_{r=0}^x \binom{n}{r} p^r q^{n-r} \quad R(x) = P(\mathbf{B}(n, p) \geq x) = \sum_{r=x}^n \binom{n}{r} p^r q^{n-r}$$

		Probabilidad p																
n	x	.001	.01	.05	.10	.15	1/6	.20	.25	.30	1/3	.35	.40	.45	.49	.50	n	x
3	3	0.0000	0.0000	.0001	.0010	.0034	.0046	.0080	.0156	.0270	.0370	.0429	.0640	.0911	.1176	.1250	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		
		0.0000	0.0000	.0001	.0010	.0034	.0046	.0080	.0156	.0270	.0370	.0429	.0640	.0911	.1176	.1250		
4	0	.9960	.9606	.8145	.6561	.5220	.4823	.4096	.3164	.2401	.1975	.1785	.1296	.0915	.0677	.0625	4	0
		.9960	.9606	.8145	.6561	.5220	.4823	.4096	.3164	.2401	.1975	.1785	.1296	.0915	.0677	.0625		
		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	1	.0040	.0388	.1715	.2916	.3685	.3858	.4096	.4219	.4116	.3951	.3845	.3456	.2995	.2600	.2500	4	1
		1.0000	.9994	.9860	.9477	.8905	.8681	.8192	.7383	.6517	.5926	.5630	.4752	.3910	.3276	.3125		
		.0040	.0394	.1855	.3439	.4780	.5177	.5904	.6836	.7599	.8025	.8215	.8704	.9085	.9323	.9375		
4	2	0.0000	.0006	.0135	.0486	.0975	.1157	.1536	.2109	.2646	.2963	.3105	.3456	.3675	.3747	.3750	4	2
		1.0000	1.0000	.9995	.9963	.9880	.9838	.9728	.9492	.9163	.8889	.8735	.8208	.7585	.7023	.6875		
		0.0000	.0006	.0140	.0523	.1095	.1319	.1808	.2617	.3483	.4074	.4370	.5248	.6090	.6724	.6875		
4	3	0.0000	0.0000	.0005	.0036	.0115	.0154	.0256	.0469	.0756	.0988	.1115	.1536	.2005	.2400	.2500	4	3
		1.0000	1.0000	1.0000	.9999	.9995	.9992	.9984	.9961	.9919	.9877	.9850	.9744	.9590	.9424	.9375		
		0.0000	0.0000	.0005	.0037	.0120	.0162	.0272	.0508	.0837	.1111	.1265	.1792	.2415	.2977	.3125		
4	4	0.0000	0.0000	0.0000	.0001	.0005	.0008	.0016	.0039	.0081	.0123	.0150	.0256	.0410	.0576	.0625	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	1.0000		
		0.0000	0.0000	0.0000	.0001	.0005	.0008	.0016	.0039	.0081	.0123	.0150	.0256	.0410	.0576	.0625		
5	0	.9950	.9510	.7738	.5905	.4437	.4019	.3277	.2373	.1681	.1317	.1160	.0778	.0503	.0345	.0312	5	0
		.9950	.9510	.7738	.5905	.4437	.4019	.3277	.2373	.1681	.1317	.1160	.0778	.0503	.0345	.0312		
		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		
5	1	.0050	.0480	.2036	.3280	.3915	.4019	.4096	.3955	.3602	.3292	.3124	.2592	.2059	.1657	.1563	5	1
		1.0000	.9990	.9774	.9185	.8352	.8038	.7373	.6328	.5282	.4609	.4284	.3370	.2562	.2002	.1875		
		.0050	.0490	.2262	.4095	.5563	.5981	.6723	.7627	.8319	.8683	.8840	.9222	.9497	.9655	.9688		

Nota: Para $0.5 < p < 1$ hágase $f(x, n, p) = f(n - x, n, 1 - p)$, $F(x, n, p) = R(n - x, n, 1 - p)$, $R(x, n, p) = F(n - x, n, 1 - p)$

(continúa)

PRESENTACION DE TABLAS

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Tabla 4 (cont.): Probabilidades Binomiales Puntuales, acumuladas por la izquierda y acumuladas por la derecha

$$f(x) = P(\mathbf{B}(n, p) = x) = \binom{n}{x} p^x q^{n-x} \quad F(x) = P(\mathbf{B}(n, p) \leq x) = \sum_{r=0}^x \binom{n}{r} p^r q^{n-r} \quad R(x) = P(\mathbf{B}(n, p) \geq x) = \sum_{r=x}^n \binom{n}{r} p^r q^{n-r}$$

n	x	Probabilidad p													n	x		
		.001	.01	.05	.10	.15	1/6	.20	.25	.30	1/3	.35	.40	.45			.49	.50
5	2	0.0000	.0010	.0214	.0729	.1382	.1608	.2048	.2637	.3087	.3292	.3364	.3456	.3369	.3185	.3125	5	2
		1.0000	1.0000	.9988	.9914	.9734	.9645	.9421	.8965	.8369	.7901	.7648	.6826	.5931	.5187	.5000		
		0.0000	.0010	.0226	.0815	.1648	.1962	.2627	.3672	.4718	.5391	.5716	.6630	.7438	.7998	.8125		
5	3	0.0000	0.0000	.0011	.0081	.0244	.0322	.0512	.0879	.1323	.1646	.1811	.2304	.2757	.3060	.3125	5	3
		1.0000	1.0000	1.0000	.9995	.9978	.9967	.9933	.9844	.9692	.9547	.9460	.9130	.8688	.8248	.8125		
		0.0000	0.0000	.0012	.0086	.0266	.0355	.0579	.1035	.1631	.2099	.2352	.3174	.4069	.4813	.5000		
5	4	0.0000	0.0000	0.0000	.0005	.0022	.0032	.0064	.0146	.0283	.0412	.0488	.0768	.1128	.1470	.1563	5	4
		1.0000	1.0000	1.0000	1.0000	.9999	.9999	.9997	.9990	.9976	.9959	.9947	.9898	.9815	.9718	.9687		
		0.0000	0.0000	0.0000	.0005	.0022	.0033	.0067	.0156	.0308	.0453	.0540	.0870	.1312	.1752	.1875		
5	5	0.0000	0.0000	0.0000	0.0000	.0001	.0001	.0003	.0010	.0024	.0041	.0053	.0102	.0185	.0282	.0313	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	1.0000	1.0000		
		0.0000	0.0000	0.0000	0.0000	.0001	.0001	.0003	.0010	.0024	.0041	.0053	.0102	.0185	.0282	.0313		
6	0	.9940	.9415	.7351	.5314	.3771	.3349	.2621	.1780	.1176	.0878	.0754	.0467	.0277	.0176	.0156	6	0
		.9940	.9415	.7351	.5314	.3771	.3349	.2621	.1780	.1176	.0878	.0754	.0467	.0277	.0176	.0156		
		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		
6	1	.0060	.0571	.2321	.3543	.3993	.4019	.3932	.3560	.3025	.2634	.2437	.1866	.1359	.1014	.0938	6	1
		.0060	.0571	.2321	.3543	.3993	.4019	.3932	.3560	.3025	.2634	.2437	.1866	.1359	.1014	.0938		
		1.0000	.9985	.9672	.8857	.7765	.7368	.6554	.5339	.4202	.3512	.3191	.2333	.1636	.1190	.1094		
6	2	.0060	.0585	.2649	.4686	.6229	.6651	.7379	.8220	.8824	.9122	.9246	.9533	.9723	.9824	.9844	6	2
		.0060	.0585	.2649	.4686	.6229	.6651	.7379	.8220	.8824	.9122	.9246	.9533	.9723	.9824	.9844		
		0.0000	.0014	.0305	.0984	.1762	.2009	.2458	.2966	.3241	.3292	.3280	.3110	.2780	.2436	.2344		
6	3	1.0000	1.0000	.9978	.9841	.9527	.9377	.9011	.8306	.7443	.6804	.6471	.5443	.4415	.3627	.3437	6	3
		0.0000	.0015	.0328	.1143	.2235	.2632	.3446	.4661	.5798	.6488	.6809	.7667	.8364	.8810	.8906		
		0.0000	0.0000	.0021	.0146	.0415	.0536	.0819	.1318	.1852	.2195	.2355	.2765	.3032	.3121	.3125		
6	4	1.0000	1.0000	.9999	.9987	.9941	.9913	.9830	.9624	.9295	.8999	.8826	.8208	.7447	.6748	.6562	6	4
		0.0000	0.0000	.0022	.0159	.0473	.0623	.0989	.1694	.2557	.3196	.3529	.4557	.5585	.6373	.6563		
		0.0000	0.0000	.0022	.0159	.0473	.0623	.0989	.1694	.2557	.3196	.3529	.4557	.5585	.6373	.6563		

Nota: Para $0.5 < p < 1$ hágase $f(x, n, p) = f(n-x, n, 1-p)$, $F(x, n, p) = R(n-x, n, 1-p)$, $R(x, n, p) = F(n-x, n, 1-p)$ (continúa)

Tabla 4 (cont.): Probabilidades Binomiales Puntuales, acumuladas por la izquierda y acumuladas por la derecha

$$f(x) = P(\mathbf{B}(n, p) = x) = \binom{n}{x} p^x q^{n-x} \quad F(x) = P(\mathbf{B}(n, p) \leq x) = \sum_{r=0}^x \binom{n}{r} p^r q^{n-r} \quad R(x) = P(\mathbf{B}(n, p) \geq x) = \sum_{r=x}^n \binom{n}{r} p^r q^{n-r}$$

n	x	Probabilidad p													n	x		
		.001	.01	.05	.10	.15	1/6	.20	.25	.30	1/3	.35	.40	.45			.49	.50
6	4	0.0000	0.0000	.0001	.0012	.0055	.0080	.0154	.0330	.0595	.0823	.0951	.1382	.1861	.2249	.2344	6	4
		1.0000	1.0000	1.0000	.9999	.9996	.9993	.9984	.9954	.9891	.9822	.9777	.9590	.9308	.8997	.8906		
		0.0000	0.0000	.0001	.0013	.0059	.0087	.0170	.0376	.0705	.1001	.1174	.1792	.2553	.3252	.3438		
6	5	0.0000	0.0000	0.0000	.0001	.0004	.0006	.0015	.0044	.0102	.0165	.0205	.0369	.0609	.0864	.0938	6	5
		1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	.9999	.9998	.9993	.9986	.9982	.9959	.9917	.9862	.9844		
		0.0000	0.0000	0.0000	.0001	.0004	.0007	.0016	.0046	.0109	.0178	.0223	.0410	.0692	.1003	.1094		
6	6	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	.0001	.0002	.0007	.0014	.0018	.0041	.0083	.0138	.0156	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	1.0000	1.0000	1.0000		
		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	.0001	.0002	.0007	.0014	.0018	.0041	.0083	.0138	.0156		
7	0	.9930	.9321	.6983	.4783	.3206	.2791	.2097	.1335	.0824	.0585	.0490	.0280	.0152	.0090	.0078	7	0
		.9930	.9321	.6983	.4783	.3206	.2791	.2097	.1335	.0824	.0585	.0490	.0280	.0152	.0090	.0078		
		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		
7	1	.0070	.0659	.2573	.3720	.3960	.3907	.3670	.3115	.2471	.2048	.1848	.1306	.0872	.0604	.0547	7	1
		.0070	.0659	.2573	.3720	.3960	.3907	.3670	.3115	.2471	.2048	.1848	.1306	.0872	.0604	.0547		
		1.0000	.9980	.9556	.8503	.7166	.6698	.5767	.4449	.3294	.2634	.2338	.1586	.1024	.0693	.0625		
7	2	.0070	.0679	.3017	.5217	.6794	.7209	.7903	.8665	.9176	.9415	.9510	.9720	.9848	.9910	.9922	7	2
		.0070	.0679	.3017	.5217	.6794	.7209	.7903	.8665	.9176	.9415	.9510	.9720	.9848	.9910	.9922		
		0.0000	.0020	.0406	.1240	.2097	.2344	.2753	.3115	.3177	.3073	.2985	.2613	.2140	.1740	.1641		
7	3	1.0000	1.0000	.9962	.9743	.9262	.9042	.8520	.7564	.6471	.5706	.5323	.4199	.3164	.2433	.2266	7	3
		0.0000	.0020	.0444	.1497	.2834	.3302	.4233	.5551	.6706	.7366	.7662	.8414	.8976	.9307	.9375		
		0.0000	0.0000	.0036	.0230	.0617	.0781	.1147	.1730	.2269	.2561	.2679	.2903	.2918	.2786	.2734		
7	4	1.0000	1.0000	.9998	.9973	.9879	.9824	.9667	.9294	.8740	.8267	.8002	.7102	.6083	.5219	.5000	7	4
		0.0000	0.0000	.0038	.0257	.0738	.0958	.1480	.2436	.3529	.4294	.4677	.5801	.6836	.7567	.7734		
		0.0000	0.0000	.0002	.0026	.0109	.0156	.0287	.0577	.0972	.1280	.1442	.1935	.2388	.2676	.2734		
7	5	1.0000	1.0000	1.0000	.9998	.9988	.9980	.9953	.9871	.9712	.9547	.9444	.9037	.8471	.7895	.7734	7	5
		0.0000	0.0000	.0002	.0027	.0121	.0176	.0333	.0706	.1260	.1733	.1998	.2898	.3917	.4781	.5000		
		0.0000	0.0000	.0002	.0027	.0121	.0176	.0333	.0706	.1260	.1733	.1998	.2898	.3917	.4781	.5000		

Nota: Para $0.5 < p < 1$ hágase $f(x, n, p) = f(n-x, n, 1-p)$, $F(x, n, p) = R(n-x, n, 1-p)$, $R(x, n, p) = F(n-x, n, 1-p)$ (continúa)

Tabla 4 (cont.): Probabilidades Binomiales Puntuales, acumuladas por la izquierda y acumuladas por la derecha

$$f(x) = P(B(n, p) = x) = \binom{n}{x} p^x q^{n-x} \quad F(x) = P(B(n, p) \leq x) = \sum_{r=0}^x \binom{n}{r} p^r q^{n-r} \quad R(x) = P(B(n, p) \geq x) = \sum_{r=x}^n \binom{n}{r} p^r q^{n-r}$$

n	x	Probabilidad p														n	x	
		.001	.01	.05	.10	.15	1/6	.20	.25	.30	1/3	.35	.40	.45	.49			.50
7	5	0.0000	0.0000	0.0000	.0002	.0012	.0019	.0043	.0115	.0250	.0384	.0466	.0774	.1172	.1543	.1641	7	5
		1.0000	1.0000	1.0000	1.0000	.9999	.9999	.9996	.9987	.9962	.9931	.9910	.9812	.9643	.9438	.9375		
		0.0000	0.0000	0.0000	.0002	.0012	.0020	.0047	.0129	.0288	.0453	.0556	.0963	.1529	.2105	.2266		
7	6	0.0000	0.0000	0.0000	0.0000	.0001	.0001	.0004	.0013	.0036	.0064	.0084	.0172	.0320	.0494	.0547	7	6
		1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	.9999	.9998	.9995	.9994	.9984	.9963	.9932	.9922		
		.0000	0.0000	0.0000	0.0000	.0001	.0001	.0004	.0013	.0038	.0069	.0090	.0188	.0357	.0562	.0625		
7	7	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	.0001	.0002	.0005	.0006	.0016	.0037	.0068	.0078	7	7
		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		
		.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	.0001	.0002	.0005	.0006	.0016	.0037	.0068	.0078		
8	0	.9920	.9227	.6634	.4305	.2725	.2326	.1678	.1001	.0576	.0390	.0319	.0168	.0084	.0046	.0039	8	0
		.9920	.9227	.6634	.4305	.2725	.2326	.1678	.1001	.0576	.0390	.0319	.0168	.0084	.0046	.0039		
		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		
8	1	.0079	.0746	.2793	.3826	.3847	.3721	.3355	.2670	.1977	.1561	.1373	.0896	.0548	.0352	.0313	8	1
		1.0000	.9973	.9428	.8131	.6572	.6047	.5033	.3671	.2553	.1951	.1691	.1064	.0632	.0398	.0352		
		.0080	.0773	.3366	.5695	.7275	.7674	.8322	.8999	.9424	.9610	.9681	.9832	.9916	.9954	.9961		
8	2	0.0000	.0026	.0515	.1488	.2376	.2605	.2936	.3115	.2965	.2731	.2587	.2090	.1569	.1183	.1094	8	2
		1.0000	.9999	.9942	.9619	.8948	.8652	.7969	.6785	.5518	.4682	.4278	.3154	.2201	.1581	.1445		
		0.0000	.0027	.0572	.1869	.3428	.3953	.4967	.6329	.7447	.8049	.8309	.8936	.9368	.9602	.9648		
8	3	0.0000	.0001	.0054	.0331	.0839	.1042	.1468	.2076	.2541	.2731	.2786	.2787	.2568	.2273	.2188	8	3
		1.0000	1.0000	.9996	.9950	.9786	.9693	.9437	.8862	.8059	.7414	.7064	.5941	.4770	.3854	.3633		
		0.0000	.0001	.0058	.0381	.1052	.1348	.2031	.3215	.4482	.5318	.5722	.6846	.7799	.8419	.8555		
8	4	0.0000	0.0000	.0004	.0046	.0185	.0260	.0459	.0865	.1361	.1707	.1875	.2322	.2627	.2730	.2734	8	4
		1.0000	1.0000	1.0000	.9996	.9971	.9954	.9896	.9727	.9420	.9121	.8939	.8263	.7396	.6584	.6367		
		0.0000	0.0000	.0004	.0050	.0214	.0307	.0563	.1138	.1941	.2586	.2936	.4059	.5230	.6146	.6367		

Nota: Para $0.5 < p < 1$ hágase $f(x; n, p) = f(n-x; n, 1-p)$, $F(x; n, p) = R(n-x; n, 1-p)$, $R(x; n, p) = F(n-x; n, 1-p)$

(continúa)

Tabla 4 (cont.): Probabilidades Binomiales Puntuales, acumuladas por la izquierda y acumuladas por la derecha

$$f(x) = P(B(n, p) = x) = \binom{n}{x} p^x q^{n-x} \quad F(x) = P(B(n, p) \leq x) = \sum_{r=0}^x \binom{n}{r} p^r q^{n-r} \quad R(x) = P(B(n, p) \geq x) = \sum_{r=x}^n \binom{n}{r} p^r q^{n-r}$$

n	x	Probabilidad p														n	x	
		.001	.01	.05	.10	.15	1/6	.20	.25	.30	1/3	.35	.40	.45	.49			.50
8	5	0.0000	0.0000	0.0000	.0004	.0026	.0042	.0092	.0231	.0467	.0683	.0808	.1239	.1719	.2098	.2188	8	5
		1.0000	1.0000	1.0000	1.0000	.9998	.9996	.9988	.9958	.9887	.9803	.9747	.9502	.9115	.8682	.8555		
		0.0000	0.0000	0.0000	.0004	.0029	.0046	.0104	.0273	.0580	.0879	.1061	.1737	.2604	.3416	.3633		
8	6	0.0000	0.0000	0.0000	0.0000	.0002	.0004	.0011	.0038	.0100	.0171	.0217	.0413	.0703	.1008	.1094	8	6
		1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	.9999	.9996	.9987	.9974	.9964	.9915	.9819	.9690	.9648		
		.0000	0.0000	0.0000	0.0000	.0002	.0004	.0012	.0042	.0113	.0197	.0253	.0498	.0885	.1318	.1445		
8	7	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	.0001	.0004	.0012	.0024	.0033	.0079	.0164	.0277	.0313	8	7
		1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	.9999	.9998	.9998	.9993	.9983	.9967	.9961		
		.0000	0.0000	0.0000	0.0000	0.0000	0.0000	.0001	.0004	.0013	.0026	.0036	.0085	.0181	.0310	.0352		
8	8	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	.0001	.0002	.0002	.0007	.0017	.0033	.0039	8	8
		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		
		.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	.0001	.0002	.0002	.0007	.0017	.0033	.0039		
9	0	.9910	.9135	.6302	.3874	.2316	.1938	.1342	.0751	.0404	.0260	.0207	.0101	.0046	.0023	.0020	9	0
		.9910	.9135	.6302	.3874	.2316	.1938	.1342	.0751	.0404	.0260	.0207	.0101	.0046	.0023	.0020		
		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		
9	1	.0089	.0830	.2985	.3874	.3679	.3489	.3020	.2253	.1556	.1171	.1004	.0605	.0339	.0202	.0176	9	1
		1.0000	.9966	.9288	.7748	.5995	.5427	.4362	.3003	.1960	.1431	.1211	.0705	.0385	.0225	.0195		
		.0090	.0865	.3698	.6126	.7684	.8062	.8658	.9249	.9596	.9740	.9793	.9899	.9954	.9977	.9980		
9	2	0.0000	.0034	.0629	.1722	.2597	.2791	.3020	.3003	.2668	.2341	.2162	.1612	.1110	.0776	.0703	9	2
		1.0000	.9999	.9916	.9470	.8591	.8217	.7382	.6007	.4628	.3772	.3373	.2318	.1495	.1001	.0898		
		0.0000	.0034	.0712	.2252	.4005	.4573	.5638	.6997	.8040	.8569	.8789	.9295	.9615	.9775	.9805		
9	3	0.0000	.0001	.0077	.0446	.1069	.1302	.1762	.2336	.2668	.2731	.2716	.2508	.2119	.1739	.1641	9	3
		1.0000	1.0000	.9994	.9917	.9661	.9520	.9144	.8343	.7297	.6503	.6089	.4826	.3614	.2740	.2539		
		0.0000	.0001	.0084	.0530	.1409	.1783	.2618	.3993	.5372	.6228	.6627	.7682	.8505	.8999	.9102		

Nota: Para $0.5 < p < 1$ hágase $f(x; n, p) = f(n-x; n, 1-p)$, $F(x; n, p) = R(n-x; n, 1-p)$, $R(x; n, p) = F(n-x; n, 1-p)$

(continúa)

Tabla 4 (cont.): Probabilidades Binomiales Puntuales, acumuladas por la izquierda y acumuladas por la derecha

$$f(x) = P(B(n, p) = x) = \binom{n}{x} p^x q^{n-x} \quad F(x) = P(B(n, p) \leq x) = \sum_{r=0}^x \binom{n}{r} p^r q^{n-r} \quad R(x) = P(B(n, p) \geq x) = \sum_{r=x}^n \binom{n}{r} p^r q^{n-r}$$

n	x	Probabilidad p														n	x	
		.001	.01	.05	.10	.15	1/6	.20	.25	.30	1/3	.35	.40	.45	.49			.50
9	4	0.0000	0.0000	.0006	.0074	.0283	.0391	.0661	.1168	.1715	.2048	.2194	.2508	.2600	.2506	.2461	9	4
		1.0000	1.0000	1.0000	.9991	.9944	.9910	.9804	.9511	.9012	.8552	.8283	.7334	.6214	.5246	.5000		
		0.0000	0.0000	.0006	.0083	.0339	.0480	.0856	.1657	.2703	.3497	.3911	.5174	.6386	.7260	.7461		
9	5	0.0000	0.0000	0.0000	.0008	.0050	.0078	.0165	.0389	.0735	.1024	.1181	.1672	.2128	.2408	.2461	9	5
		1.0000	1.0000	1.0000	.9999	.9994	.9989	.9969	.9900	.9747	.9576	.9464	.9006	.8342	.7654	.7461		
		0.0000	0.0000	0.0000	.0009	.0056	.0090	.0196	.0489	.0988	.1448	.1717	.2666	.3786	.4754	.5000		
9	6	0.0000	0.0000	0.0000	.0001	.0006	.0010	.0028	.0087	.0210	.0341	.0424	.0743	.1160	.1542	.1641	9	6
		1.0000	1.0000	1.0000	1.0000	1.0000	.9999	.9997	.9987	.9957	.9917	.9888	.9750	.9502	.9196	.9102		
		0.0000	0.0000	0.0000	.0001	.0006	.0011	.0031	.0100	.0253	.0424	.0536	.0994	.1658	.2346	.2539		
9	7	0.0000	0.0000	0.0000	0.0000	0.0000	.0001	.0003	.0012	.0039	.0073	.0098	.0212	.0407	.0635	.0703	9	7
		1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	.9999	.9996	.9990	.9986	.9962	.9909	.9831	.9805		
		0.0000	0.0000	0.0000	0.0000	0.0000	0.0001	.0003	.0013	.0043	.0083	.0112	.0250	.0498	.0804	.0898		
9	8	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	.0001	.0004	.0009	.0013	.0035	.0083	.0153	.0176	9	8
		1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	.9999	.9999	.9997	.9992	.9984	.9980		
		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001	.0004	.0010	.0014	.0038	.0091	.0169	.0195		
9	9	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	.0001	.0001	.0003	.0008	.0016	.0020	9	9
		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		
		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	.0001	.0001	.0003	.0008	.0016	.0020		
10	0	.9900	.9044	.5987	.3487	.1969	.1615	.1074	.0563	.0282	.0173	.0135	.0060	.0025	.0012	.0010	10	0
		.9900	.9044	.5987	.3487	.1969	.1615	.1074	.0563	.0282	.0173	.0135	.0060	.0025	.0012	.0010		
		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		
10	1	.0099	.0914	.3151	.3874	.3474	.3230	.2684	.1877	.1211	.0867	.0725	.0403	.0207	.0114	.0098	10	1
		1.0000	.9957	.9139	.7361	.5443	.4845	.3758	.2440	.1493	.1040	.0860	.0464	.0233	.0126	.0107		
		.0100	.0956	.4013	.6513	.8031	.8385	.8926	.9437	.9718	.9827	.9865	.9940	.9975	.9988	.9990		

Nota: Para $0.5 < p < 1$ hágase $f(x, n, p) = f(n - x, n, 1 - p)$, $F(x, n, p) = R(n - x, n, 1 - p)$, $R(x, n, p) = F(n - x, n, 1 - p)$ (continúa)

Tabla 4 (cont.): Probabilidades Binomiales Puntuales, acumuladas por la izquierda y acumuladas por la derecha

$$f(x) = P(B(n, p) = x) = \binom{n}{x} p^x q^{n-x} \quad F(x) = P(B(n, p) \leq x) = \sum_{r=0}^x \binom{n}{r} p^r q^{n-r} \quad R(x) = P(B(n, p) \geq x) = \sum_{r=x}^n \binom{n}{r} p^r q^{n-r}$$

n	x	Probabilidad p														n	x	
		.001	.01	.05	.10	.15	1/6	.20	.25	.30	1/3	.35	.40	.45	.49			.50
10	2	0.0000	.0042	.0746	.1937	.2759	.2907	.3020	.2816	.2335	.1951	.1757	.1209	.0763	.0494	.0439	10	2
		1.0000	.9999	.9885	.9298	.8202	.7752	.6778	.5256	.3828	.2991	.2616	.1673	.0996	.0621	.0547		
		0.0000	.0043	.0861	.2639	.4557	.5155	.6242	.7560	.8507	.8960	.9140	.9536	.9767	.9874	.9893		
10	3	0.0000	.0001	.0105	.0574	.1298	.1550	.2013	.2503	.2668	.2601	.2522	.2150	.1665	.1267	.1172	10	3
		1.0000	1.0000	.9990	.9872	.9500	.9303	.8791	.7759	.6496	.5593	.5138	.3823	.2660	.1888	.1719		
		0.0000	.0001	.0115	.0702	.1798	.2248	.3222	.4744	.6172	.7009	.7384	.8327	.9004	.9379	.9453		
10	4	0.0000	0.0000	.0010	.0112	.0401	.0543	.0881	.1460	.2001	.2276	.2377	.2508	.2384	.2130	.2051	10	4
		1.0000	1.0000	.9999	.9984	.9901	.9845	.9672	.9219	.8497	.7869	.7515	.6331	.5044	.4018	.3770		
		0.0000	0.0000	.0010	.0128	.0500	.0697	.1209	.2241	.3504	.4407	.4862	.6177	.7340	.8112	.8281		
10	5	0.0000	0.0000	.0001	.0015	.0085	.0130	.0264	.0584	.1029	.1366	.1536	.2007	.2340	.2456	.2461	10	5
		1.0000	1.0000	1.0000	.9999	.9986	.9976	.9936	.9803	.9527	.9234	.9051	.8338	.7384	.6474	.6230		
		0.0000	0.0000	.0001	.0016	.0099	.0155	.0328	.0781	.1503	.2131	.2485	.3669	.4956	.5982	.6230		
10	6	0.0000	0.0000	0.0000	.0001	.0012	.0022	.0055	.0162	.0368	.0569	.0689	.1115	.1596	.1966	.2051	10	6
		1.0000	1.0000	1.0000	1.0000	.9999	.9997	.9991	.9965	.9894	.9803	.9740	.9452	.8980	.8440	.8281		
		0.0000	0.0000	0.0000	.0001	.0014	.0024	.0064	.0197	.0473	.0766	.0949	.1662	.2616	.3326	.3770		
10	7	0.0000	0.0000	0.0000	0.0000	.0001	.0002	.0008	.0031	.0090	.0163	.0212	.0425	.0746	.1080	.1172	10	7
		1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	.9999	.9996	.9984	.9966	.9952	.9877	.9726	.9520	.9453		
		0.0000	0.0000	0.0000	0.0000	.0001	.0003	.0009	.0035	.0106	.0197	.0260	.0548	.1020	.1560	.1719		
10	8	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	.0001	.0004	.0014	.0030	.0043	.0106	.0229	.0389	.0439	10	8
		1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	.9999	.9996	.9995	.9983	.9955	.9909	.9893		
		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	.0001	.0004	.0016	.0034	.0048	.0123	.0274	.0480	.0547		
10	9	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	.0001	.0003	.0005	.0016	.0042	.0083	.0098	10	9
		1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	.9999	.9992	.9990		
		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	.0001	.0004	.0005	.0017	.0045	.0091	.0107		

Nota: Para $0.5 < p < 1$ hágase $f(x, n, p) = f(n - x, n, 1 - p)$, $F(x, n, p) = R(n - x, n, 1 - p)$, $R(x, n, p) = F(n - x, n, 1 - p)$ (continúa)

Tabla 4 (cont.): Probabilidades Binomiales Puntuales, acumuladas por la izquierda y acumuladas por la derecha

$$f(x) = P(B(n, p) = x) = \binom{n}{x} p^x q^{n-x} \quad F(x) = P(B(n, p) \leq x) = \sum_{r=0}^x \binom{n}{r} p^r q^{n-r} \quad R(x) = P(B(n, p) \geq x) = \sum_{r=x}^n \binom{n}{r} p^r q^{n-r}$$

		Probabilidad p																
n	x	.001	.01	.05	.10	.15	1/6	.20	.25	.30	1/3	.35	.40	.45	.49	.50	n	x
10	10	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001	.0003	.0008	.0010	10	10
		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		
		.0000	.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	.0001	.0003	.0008		
15	0	.9851	.8601	.4633	.2059	.0874	.0649	.0352	.0134	.0047	.0023	.0016	.0005	.0001	0.0000	0.0000	15	0
		.9851	.8601	.4633	.2059	.0874	.0649	.0352	.0134	.0047	.0023	.0016	.0005	.0001	0.0000	0.0000		
		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		
15	1	.0148	.1303	.3658	.3432	.2312	.1947	.1319	.0668	.0305	.0171	.0126	.0047	.0016	.0006	.0005	15	1
		.9999	.9904	.8290	.5490	.3186	.2596	.1671	.0802	.0353	.0194	.0142	.0052	.0017	.0006	.0005		
		.0149	.1399	.5367	.7941	.9126	.9351	.9648	.9866	.9953	.9977	.9984	.9995	.9999	1.0000	1.0000		
15	2	.0001	.0092	.1348	.2669	.2856	.2726	.2309	.1559	.0916	.0599	.0476	.0219	.0090	.0040	.0032	15	2
		1.0000	.9996	.9638	.8159	.6042	.5322	.3980	.2361	.1268	.0794	.0617	.0271	.0107	.0046	.0037		
		.0001	.0096	.1710	.4510	.6814	.7404	.8329	.9198	.9647	.9806	.9858	.9948	.9983	.9994	.9995		
15	3	0.0000	.0004	.0307	.1285	.2184	.2363	.2501	.2252	.1700	.1299	.1110	.0634	.0318	.0166	.0139	15	3
		1.0000	1.0000	.9945	.9444	.8227	.7685	.6482	.4613	.2969	.2092	.1727	.0905	.0424	.0212	.0176		
		0.0000	.0004	.0362	.1841	.3958	.4678	.6020	.7639	.8732	.9206	.9383	.9729	.9893	.9954	.9963		
15	4	0.0000	0.0000	.0049	.0428	.1156	.1418	.1876	.2252	.2186	.1948	.1792	.1268	.0780	.0478	.0417	15	4
		1.0000	1.0000	.9994	.9873	.9383	.9102	.8358	.6865	.5155	.4041	.3519	.2173	.1204	.0690	.0592		
		0.0000	0.0000	.0055	.0556	.1773	.2315	.3518	.5387	.7031	.7908	.8273	.9095	.9576	.9788	.9824		
15	5	0.0000	0.0000	.0006	.0105	.0449	.0624	.1032	.1651	.2061	.2143	.2123	.1859	.1404	.1010	.0916	15	5
		1.0000	1.0000	.9999	.9978	.9832	.9726	.9389	.8516	.7216	.6184	.5643	.4032	.2608	.1699	.1509		
		0.0000	0.0000	.0006	.0127	.0617	.0898	.1642	.3135	.4845	.5959	.6481	.7827	.8796	.9310	.9408		
15	6	0.0000	0.0000	0.0000	.0019	.0132	.0208	.0430	.0917	.1472	.1786	.1906	.2066	.1914	.1617	.1527	15	6
		1.0000	1.0000	1.0000	.9997	.9964	.9934	.9819	.9434	.8689	.7970	.7548	.6098	.4522	.3316	.3036		
		0.0000	0.0000	.0001	.0022	.0168	.0274	.0611	.1484	.2784	.3816	.4357	.5968	.7392	.8301	.8491		

Nota: Para $0.5 < p < 1$ hágase $f(x; n, p) = f(n-x; n, 1-p)$, $F(x; n, p) = R(n-x; n, 1-p)$, $R(x; n, p) = F(n-x; n, 1-p)$

(continúa)

Tabla 4 (cont.): Probabilidades Binomiales Puntuales, acumuladas por la izquierda y acumuladas por la derecha

$$f(x) = P(B(n, p) = x) = \binom{n}{x} p^x q^{n-x} \quad F(x) = P(B(n, p) \leq x) = \sum_{r=0}^x \binom{n}{r} p^r q^{n-r} \quad R(x) = P(B(n, p) \geq x) = \sum_{r=x}^n \binom{n}{r} p^r q^{n-r}$$

		Probabilidad p																
n	x	.001	.01	.05	.10	.15	1/6	.20	.25	.30	1/3	.35	.40	.45	.49	.50	n	x
15	7	0.0000	0.0000	0.0000	.0003	.0030	.0053	.0138	.0393	.0811	.1148	.1319	.1771	.2013	.1997	.1964	15	7
		1.0000	1.0000	1.0000	1.0000	.9994	.9987	.9958	.9827	.9500	.9118	.8668	.7869	.6535	.5314	.5000		
		.0000	0.0000	0.0000	.0003	.0036	.0066	.0181	.0566	.1311	.2030	.2452	.3902	.5478	.6684	.6964		
15	8	0.0000	0.0000	0.0000	0.0000	.0005	.0011	.0035	.0131	.0348	.0574	.0710	.1181	.1647	.1919	.1964	15	8
		1.0000	1.0000	1.0000	1.0000	.9999	.9998	.9992	.9958	.9848	.9692	.9578	.9050	.8182	.7233	.6964		
		.0000	0.0000	0.0000	0.0000	.0006	.0013	.0042	.0173	.0500	.0882	.1132	.2131	.3465	.4686	.5000		
15	9	0.0000	0.0000	0.0000	0.0000	.0001	.0002	.0007	.0034	.0116	.0223	.0298	.0612	.1048	.1434	.1527	15	9
		1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	.9999	.9992	.9963	.9915	.9876	.9662	.9231	.8667	.8491		
		.0000	0.0000	0.0000	0.0000	.0001	.0002	.0008	.0042	.0152	.0308	.0422	.0950	.1818	.2767	.3036		
15	10	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	.0001	.0007	.0030	.0067	.0096	.0245	.0515	.0827	.0916	15	10
		1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	.9999	.9993	.9982	.9972	.9907	.9745	.9494	.9408		
		.0000	.0000	0.0000	0.0000	0.0000	0.0000	.0001	.0008	.0037	.0085	.0124	.0338	.0769	.1333	.1509		
15	11	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	.0001	.0006	.0015	.0024	.0074	.0191	.0361	.0417	15	11
		1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	.9999	.9997	.9995	.9981	.9937	.9855	.9824			
		.0000	.0000	0.0000	0.0000	0.0000	0.0000	0.0000	.0001	.0007	.0018	.0048	.0093	.0255	.0506	.0592		
15	12	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	.0001	.0003	.0004	.0016	.0052	.0116	.0139	15	12
		1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	.9999	.9997	.9989	.9971	.9963		
		.0000	.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	.0001	.0003	.0005	.0019	.0063	.0145	.0176		
15	13	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	.0001	.0003	.0010	.0026	.0032	15	13
		1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	.9999	.9996	.9995		
		.0000	.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	.0001	.0003	.0011	.0029	.0037		
15	14	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	.0001	.0004	.0005	15	14
		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		
		.0000	.0000	.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	.0001	.0004	.0005		

Nota: Para $0.5 < p < 1$ hágase $f(x; n, p) = f(n-x; n, 1-p)$, $F(x; n, p) = R(n-x; n, 1-p)$, $R(x; n, p) = F(n-x; n, 1-p)$

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