TABLAS ESTADÍSTICAS

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Tabla 1. Factores para Gráficas de Control

	Factores Para Gráficos de Control por Variables												
	Promedios		**Intervalos**						**Desviaciones Normales**				
n	A1	A2	d2	d3	D1	D2	D3	D4	c2	B1	B2	B3	B4
2	3.76	1.88	1.13	0.89	0	3.69	0	3.27	0.56	0	1.84	0	1.27
3	2.39	1.02	1.69	0.88	0	4.36	0	2.57	0.72	0	1.86	0	2.57
4	1.88	0.73	2.06	0.86	0	4.70	0	2.28	0.80	0	1.81	0	2.27
5	1.60	0.58	2.33	0.85	0	4.92	0	2.111	0.84	0	1.76	0	2.09
6	1.41	0.48	2.53	0.85	0	5.08	0	2.00	0.87	0.03	1.71	0.03	1.97
7	1.28	0.42	2.70	0.83	0.2	5.20	0.08	1.92	0.89	0.10	1.67	0.12	1.88
8	1.17	0.37	2.85	0.82	0.39	5.31	0.14	1.86	0.90	0.17	1.64	0.18	1.81
9	1.09	0.34	2.97	0.81	0.55	5.39	0.18	1.82	0.91	0.22	1.61	0.24	1.76
10	1.03	0.31	3.08	0.80	0.69	5.47	0.22	1.78	0.92	0.26	1.58	0.28	1.72
11	0.97	0.29	3.17	0.79	0.81	5.53	0.26	1.74	0.93	0.30	1.56	0.32	1.68
12	0.92	0.27	3.26	0.78	0.92	5.59	0.28	1.72	0.94	0.33	1.54	0.35	1.62
13	0.88	0.25	3.34	0.77	1.03	5.65	0.33	1.69	0.94	0.36	1.52	0.38	1.65
14	0.85	0.23	3.41	0.76	1.12	5.69	0.31	1.67	0.95	0.38	1.51	0.41	1.59
15	0.82	0.22	3.47	0.75	1.21	5.74	0.35	1.65	0.95	0.41	1.49	0.43	1.57
16	0.79	0.21	3.53	0.75	1.28	5.78	0.36	1.64	0.95	0.43	1.48	0.45	1.55
17	0.76	0.20	3.59	0.74	1.36	5.82	0.38	1.62	0.96	0.44	1.46	0.47	1.53
18	0.74	0.19	3.64	0.74	1.43	5.85	0.39	1.61	0.96	0.46	1.45	0.48	1.52
19	0.72	0.19	3.69	0.73	1.49	5.89	0.40	1.60	0.96	0.48	1.44	0.50	1.50
20	0.70	0.18	3.73	0.73	1.55	5.92	0.41	1.59	0.96	0.49	1.43	0.51	1.49
21	0.68	0.17	3.78	0.72	1.61	5.95	0.42	1.57	0.96	0.50	1.42	0.52	1.48
22	0.66	0.17	3.82	0.72	1.66	5.98	0.43	1.57	0.97	0.52	1.41	0.53	1.47
23	0.65	0.16	3.86	0.72	1.71	6.00	0.44	1.56	0.97	0.53	1.41	0.54	1.45
24	0.63	0.16	3.90	0.71	1.76	6.03	0.45	1.55	0.97	0.54	1.40	0.55	1.44
25	0.62	0.15	3.93	0.71	1.80	6.06	0.46	1.54	0.97	0.55	1.39	0.56	1.43
+ de 25	$\frac{3}{\sqrt{n}}$	--	--	--	--	--	--	--	1	$1-\frac{3}{\sqrt{2n}}$	$1+\frac{3}{\sqrt{2n}}$	$1-\frac{3}{\sqrt{2n}}$	$1+\frac{3}{\sqrt{2n}}$

Tabla 2. Áreas bajo la curva normal

z	.00	.01	.02	.03	.04	.05	.06	.07	0.08	0.09
-3.4	.0003	.0003	.0003	.0003	.0003	.0003	.0003	.0003	.0003	.0002
-3.3	.0005	.0005	.0005	.0004	.0004	.0004	.0004	.0004	.0004	.0003
-3.2	.0007	.0007	.0006	.0006	.0006	.0006	.0006	.0005	.0005	.0005
-3.1	.0010	.0009	.0009	.0009	.0008	.0008	.0008	.0008	.0007	.0007
-3.0	.0013	.0013	.0013	.0012	.0012	.0011	.0011	.0011	.0010	.0010
-2.9	.0019	.0018	.0017	.0017	.0016	.0016	.0015	.0015	.0014	.0014
-2.8	.0026	.0025	.0024	.0023	.0023	.0022	.0021	.0021	.0020	.0019
-2.7	.0035	.0034	.0033	.0032	.0031	.0030	.0029	.0028	.0027	.0026
-2.6	.0047	.0045	.0044	.0043	.0041	.0040	.0039	.0038	.0037	.0036
-2.5	.0062	.0060	.0059	.0057	.0055	.0054	.0052	.0051	.0049	.0048
-2.4	.0082	.0080	.0078	.0075	.0073	.0071	.0069	.0068	.0066	.0064
-2.3	.0107	.0104	.0102	.0099	.0096	.0094	.0091	.0089	.0087	.0084
-2.2	.0139	.0136	.0132	.0129	0.125	0.122	.0119	.0116	.0113	.0110
-2.1	.0179	.0174	.0170	.0166	.0162	.0158	.0154	.0150	.0146	.0143
-2.0	.0228	.0222	.0217	.0212	.0207	.0202	.0197	.0192	.0188	.0183
-1.9	.0287	.0281	.0274	.0268	.0262	.0256	.0250	.0244	.0239	.0233
-1.8	.0359	.0352	.0344	.0336	.0329	.0322	.0314	.0307	.0301	.0294
-1.7	.0446	.0436	.0427	.0418	.0409	.0401	.0392	.0384	0.375	.0367
-1.6	.0548	.0537	.0526	.0516	.0505	.495	.0485	.0475	.0465	.0455
-1.5	.0668	.0655	.0643	.0630	.0618	.0606	.0594	.0582	.0571	.0559
-1.4	.0808	.0793	.0778	.0764	.0749	.0735	.0722	.0708	.0694	.0681
-1.3	.0968	.0951	.0934	.0918	.0901	.0885	.0869	.0853	.0838	.0823
-1.2	.1151	.1131	.1112	.1093	.1075	.1056	.1038	.1020	.1003	.0985
-1.1	.1357	.1335	.1314	.1292	.1271	.1251	.1230	.1210	.1190	.1170
-1.0	.1587	.1562	.1539	.1515	.1492	.1469	.1446	.1423	.1401	.1379
-0.9	.1841	.1814	.1788	.1762	.1736	.1711	.1685	.1660	.1635	.1611
-0.8	.2119	.2090	.2061	.2033	.2005	.1977	.1949	.1922	.1894	.1867
-0.7	.2420	.2389	.2358	.2327	.2296	.2266	.2236	.2206	.2177	.2148
-0.6	.2743	.2709	.2676	.2643	.2611	.2578	.2546	.2514	.2483	.2451
-0.5	.3085	.3050	.3015	.2981	.2946	.2912	.2877	.2843	.2810	.2776
-0.4	.3446	.3409	.3372	.3336	.3300	.3264	.3228	.3192	.3156	.3121
-0.3	.3821	.3783	.3745	.3707	.3669	.3632	.3594	.3557	.3520	.3483
-0.2	.4207	.4168	.4129	.4090	.4052	.4013	.3974	.3936	.3897	.3859
-0.1	.4602	.4562	.4522	.4483	.4443	.4404	.4364	.4325	.4286	.4247
-0.0	.5000	.4960	.4920	.4880	.4840	.4801	.4761	.4721	.4681	.4641

Tabla 2. (Continuación) Áreas bajo la curva normal

z	.00	.01	.02	.03	.04	.05	.06	.07	0.08	0.09
0.0	.5000	.5040	.5080	.5120	.5160	.5199	.5239	.5279	.5319	.5359
0.1	.5398	.5438	.5478	.5517	.5557	.5596	.5636	.5675	.5714	.5753
0.2	.5793	.5832	.5871	.5910	.5948	.5987	.6026	.6065	.6103	.6141
0.3	.6179	.6217	.6255	.6293	.6331	.6368	.6406	.6443	.6480	.6517
0.4	.6554	.6591	.6628	.6664	.6700	.6736	.6772	.6808	.6844	.6879
0.5	.6915	.6950	.6985	.7019	.7054	.7088	.7123	.7157	.7190	.7224
0.6	.7257	.7291	.7324	.7357	.7389	.7422	.7454	.7486	.7517	.7549
0.7	.7580	.7611	.7642	.7673	.7704	.7734	.7764	.7794	.7823	.7852
0.8	.7881	.7910	.7939	.7967	.7995	.8023	.8051	.8078	.8106	.8133
0.9	.8159	.8186	.8212	.8238	.8264	.8289	.8315	.8340	.8365	.8389
1.0	.8413	.8438	.8461	.8485	.8508	.8531	.8554	.8577	.8599	.8621
1.1	.8643	.8665	.8686	.8708	.8729	.8749	.8770	.8790	.8810	.8830
1.2	.8849	.8869	.8888	.8907	.8925	.8944	.8962	.8980	.8997	.9015
1.3	.9032	.9049	.9066	.9082	.9099	.9115	.9131	.9147	.9162	.9177
1.4	.9192	.9207	.9222	.9236	.9251	.9265	.9278	.9292	.9306	.9319
1.5	.9332	.9345	.9357	.9370	.9382	.9394	.9406	.9418	.9429	.9441
1.6	.9452	.9463	.9474	.9484	.9495	.9505	.9515	.9525	.9535	.9545
1.7	.9554	.9564	.9573	.9582	.9591	.9599	.9608	.9616	.9625	.9633
1.8	.9641	.9649	.9656	..9664	.9671	.9678	.9686	.9693	.9699	.9706
1.9	.9713	.9719	.9726	.9732	.9738	.9744	.9750	.9756	.9761	.9767
2.0	.9772	.9778	.9788	.9788	.9793	.9798	.9803	.9808	.9812	.9817
2.1	.9821	.9826	.9834	.9834	.9838	.9842	.9846	.9850	.9854	.9857
2.2	.9861	.9864	.9871	.9871	.9875	.9878	.9881	.9884	.9887	.9890
2.3	.9893	.9896	.9901	.9901	.9904	,9906	.9909	.9911	.9913	.9916
2.4	.9918	.9920	.9925	.9925	.9927	.9929	.9931	.9932	.9934	.9936
2.5	.9938	.9940	.9941	.9943	.9945	.9946	.9948	.9949	.9951	.9952
2.6	.9953	.9955	.9956	.9957	.9959	.9960	.9961	.9962	.9963	.9964
2.7	.9965	.9966	.9967	.9968	.9969	.9970	.9971	.9972	.9973	.9974
2.8	.9974	.9975	.9976	.9977	.9977	.9978	.9979	.9979	.9980	.9981
2.9	.9981	.9982	.9982	.9983	.9984	.9984	.9985	.9985	.996	.9986
3.0	.9987	.9987	.9987	.9988	.9988	.9989	.9989	.9989	.9990	.9990
3.1	.9990	.9991	.9991	.9991	.9992	.9992	.9992	.9992	.9993	.9993
3.2	.9993	.9993	.9994	.9994	.9994	.9994	.9994	.9995	.9995	.9995
3.3	.9995	.9995	.9995	.9996	.9996	.9996	.9996	.9996	.9996	.9997
3.4	.9997	.9997	.9997	.9997	.9997	.9997	.9997	.9997	.9997	.9998

Tabla 3. Valores críticos de la distribución Chi cuadrada

v	*X*									
	.995	.99	.98	.975	.95	.90	.80	.75	.70	.50
1	.04393	.03157	.03628	0.3982	0.0393	.0158	0.642	0.102	0.148	0.455
2	.0100	.0201	.0404	.0506	0.103	0.211	0.446	0.575	0.713	1.386
3	.0717	0.115	0.185	0.216	0.352	0.584	1.005	1.213	1.424	2.366
4	0.207	0.297	0.429	0.484	0.711	1.064	1.649	1.923	2.195	3.357
5	.0412	0.554	0.752	0.831	1.145	1.610	2.343	2.675	3.000	4.351
6	0.676	0.872	1.134	1.237	1.635	2.204	3.070	3.455	3.828	5.348
7	0.989	1.239	1.564	1.690	2.167	2.833	3.822	4.255	4.671	6.346
8	1.344	1.646	.2032	2.180	2.733	3.490	4.594	5.071	5.527	7.344
9	1.735	2.088	2.532	2.700	3.325	4.168	5.380	5.899	6.393	8.343
10	2.156	2.558	3.059	3.247	3.940	4.865	6.179	6.737	7.267	9.342
11	2.603	3.053	3.609	3.816	4.575	5.578	6.989	7.584	8.148	10.341
12	3.074	3.571	4.178	4.404	5.226	6.304	7.807	8.438	9.034	11.340
13	3.565	4.107	4.765	5.009	5.892	7.042	8.634	9.299	9.926	12.340
14	4.075	4.660	5.368	5.629	6.571	7.790	9.467	10.165	10.821	13.339
15	4.601	5.229	5.985	6.262	7.261	8.547	10.307	11.036	11.721	14.339
16	5.142	5.812	6.614	6.908	7.962	9.312	11.152	11.912	12.624	15.338
17	5.697	6.408	7.255	7.564	8.672	10.085	12.002	12.792	13.531	16.338
18	6.265	7.015	7.906	8.231	9.390	10.865	12.857	13.675	14.440	17.338
19	6.844	7.633	8.567	8.907	10.117	11.651	13.716	14.562	15.352	18.338
20	7.434	8.260	9.237	9.591	10.851	12443	14.578	15.452	16.266	19.337
21	8.034	8.897	9.915	10.283	11.591	13.240	15.445	16.344	17.182	20.337
22	8.643	9.542	10.600	10.982	12.338	14.041	16.314	17.240	18.101	21.337
23	9.260	10.196	11.293	11.688	13.091	14.848	17.187	18.137	19.021	22.337
24	9.886	10.856	11.992	12.401	13.848	15.659	18.062	19.037	19.943	23.337
25	10.520	11.524	12.697	13.120	14.611	16.473	18.940	19.939	20.867	24.337
26	11.160	12.198	13.409	13.844	15.379	17.292	19.820	20.843	21.792	25.336
27	11.808	12.879	14.125	14.573	16.151	18.114	20.703	21.749	22.719	26.336
28	12.461	13.565	14.847	15.308	16.928	18.939	21.588	22.657	23.647	27.336
29	13.121	14.256	15.574	16.047	17.708	19.768	22.475	23.567	24.577	28.336
30	13.787	14.953	16.306	16.791	18.493	20.599	23.364	24.478	25.508	29.336

Tabla 3. (Continuación) Valores críticos de la distribución Chi cuadrada

v	X									
	.30	.25	.20	.10	.05	.025	.02	.01	.005	.001
1	1.074	1.323	.1642	2.706	3.841	5.024	5.412	6.635	7.879	10.827
2	2.408	2.773	3.219	4.605	5.991	7.378	7.824	9.210	10.597	13.815
3	3.665	4.108	4.642	6.251	7.815	9.348	9.837	11.345	12.838	16.268
4	4.878	5.385	5.989	7.779	9.488	11.143	11.668	13.277	14.860	18.465
5	6.064	6.626	7.289	9.236	11.070	12.832	13.388	15.086	16.750	20.517
6	7.231	7.841	8.558	10.645	12.592	14.449	15.033	16.812	18.548	22.457
7	8.383	9.037	9.803	12.017	14.067	16.013	16.622	18.475	20.278	24.322
8	9.524	10.219	11.030	13.362	15.507	17.535	18.168	20.090	21.955	26.125
9	10.656	11.389	12.242	14.684	16.919	19.023	19.679	21.666	23.589	27.877
10	11.781	12.549	13.442	15.987	18.307	20.483	21.161	23.209	25.188	29.588
11	12.899	13.701	14.631	17.275	19.675	21.920	22.618	24.725	26.757	31.264
12	14.011	14.845	15.812	18,549	21.026	23.337	24.054	26.217	28.300	32.909
13	15.119	15.984	16.985	19.812	22.362	24.736	25.472	27.688	29.819	34.528
14	16.222	17.117	18.151	21.064	23.685	26.119	26.873	29.141	31.319	36.123
15	17.322	18.245	19.311	22.307	24.996	27.488	28.259	30.578	32.801	37.697
16	18.418	19.369	20.465	23.542	26.296	28.845	29.633	32.000	34.267	39.252
17	19.511	20.489	21.615	24.769	27.587	30.191	30.955	33.409	35.718	40.790
18	20.601	21.605	22.760	25.989	28.869	31.526	32.346	34.805	37.156	42.312
19	21.689	22.718	23.900	27.204	30.144	32.852	33.687	36.191	38.582	43.820
20	22.775	23.828	25.038	28.412	31.410	34.170	35.020	37.566	39.997	45.315
21	23.858	24.935	26.171	29.615	32.671	35.479	36.343	38.932	41.401	46.797
22	24.939	26.039	27.301	30.813	33.924	36.781	37.659	40.289	42.796	48.268
23	26.018	27.141	28.429	32.007	35.172	38.076	38.968	41.638	44.181	49.728
24	27.096	28.241	29.553	33.196	36.415	39.364	40.270	42.980	45.558	51.179
25	28.172	29.339	30.675	34.382	37.652	40.646	41.566	44.314	46.928	52.620
26	29.246	30.434	31.795	35.563	38.885	41.932	42.856	45.642	48.290	54.052
27	30.319	31.528	32.912	36.741	40.113	43.194	44.140	46.963	49.645	55.476
28	31.391	32.620	34.027	37.916	41.337	44.461	45.419	48.278	50.993	56.893
29	32.461	33.711	35.139	39.087	42.557	45.722	46.693	49.588	52.336	58.302
30	33.530	34.800	36.250	40.256	43.773	46.979	47.962	50.892	53.672	59.703

Tabla 4. Valores críticos de la distribución F *0.025(v1, v2)*

	V1															
V2	1	2	3	4	5	6	7	8	9	10	12	15	16	18	20	24
1	647,8	799,5	864,2	899,6	921,8	937,1	948,2	956,7	963,3	968,6	976,7	984,9	986,9	990,3	993,1	997,2
2	38,51	39,00	39,17	39,25	39,30	39,33	39,36	39,37	39,39	39,40	39,41	39,43	39,44	39,44	39,45	39,46
3	17,44	16,04	15,44	15,10	14,88	14,73	14,62	14,54	14,47	14,42	14,34	14,25	14,23	14,20	14,17	14,12
4	12,22	10,65	9,979	9,605	9,364	9,197	9,074	8,980	8,905	8,844	8,751	8,657	8,633	8,592	8,560	8,511
5	10,01	8,434	7,764	7,388	7,146	6,978	6,853	6,757	6,681	6,619	6,525	6,428	6,403	6,362	6,329	6,278
6	8,813	7,260	6,599	6,227	5,988	5,820	5,695	5,600	5,523	5,461	5,366	5,269	5,244	5,202	5,168	5,117
7	8,073	6,542	5,890	5,523	5,285	5,119	4,995	4,899	4,823	4,761	4,666	4,568	4,543	4,501	4,467	4,415
8	7,571	6,059	5,416	5,053	4,817	4,652	4,529	4,433	4,357	4,295	4,200	4,101	4,076	4,034	3,999	3,947
9	7,209	5,715	5,078	4,718	4,484	4,320	4,197	4,102	4,026	3,964	3,868	3,769	3,744	3,701	3,667	3,614
10	6,937	5,456	4,826	4,468	4,236	4,072	3,950	3,855	3,779	3,717	3,621	3,522	3,496	3,453	3,419	3,365
11	6,724	5,256	4,630	4,275	4,044	3,881	3,759	3,664	3,588	3,526	3,430	3,330	3,304	3,261	3,226	3,173
12	6,554	5,096	4,474	4,121	3,891	3,728	3,607	3,512	3,436	3,374	3,277	3,177	3,152	3,108	3,073	3,019
13	6,414	4,965	4,347	3,996	3,767	3,604	3,483	3,388	3,312	3,250	3,153	3,053	3,027	2,983	2,948	2,893
14	6,298	4,857	4,242	3,892	3,663	3,501	3,380	3,285	3,209	3,147	3,050	2,949	2,923	2,879	2,844	2,789
15	6,200	4,765	4,153	3,804	3,576	3,415	3,293	3,199	3,123	3,060	2,963	2,862	2,836	2,792	2,756	2,701
16	6,115	4,687	4,077	3,729	3,502	3,341	3,219	3,125	3,049	2,986	2,889	2,788	2,761	2,717	2,681	2,625
17	6,042	4,619	4,011	3,665	3,438	3,277	3,156	3,061	2,985	2,922	2,825	2,723	2,697	2,652	2,616	2,560
18	5,978	4,560	3,954	3,608	3,382	3,221	3,100	3,005	2,929	2,866	2,769	2,667	2,640	2,596	2,559	2,503
19	5,922	4,508	3,903	3,559	3,333	3,172	3,051	2,956	2,880	2,817	2,720	2,617	2,591	2,546	2,509	2,452
20	5,871	4,461	3,859	3,515	3,289	3,128	3,007	2,913	2,837	2,774	2,676	2,573	2,547	2,501	2,464	2,408
21	5,827	4,420	3,819	3,475	3,250	3,090	2,969	2,874	2,798	2,735	2,637	2,534	2,507	2,462	2,425	2,368
22	5,786	4,383	3,783	3,440	3,215	3,055	2,934	2,839	2,763	2,700	2,602	2,498	2,472	2,426	2,389	2,331
23	5,750	4,349	3,750	3,408	3,183	3,023	2,902	2,808	2,731	2,668	2,570	2,466	2,440	2,394	2,357	2,299
24	5,717	4,319	3,721	3,379	3,155	2,995	2,874	2,779	2,703	2,640	2,541	2,437	2,411	2,365	2,327	2,269
25	5,686	4,291	3,694	3,353	3,129	2,969	2,848	2,753	2,677	2,613	2,515	2,411	2,384	2,338	2,300	2,242
26	5,659	4,265	3,670	3,329	3,105	2,945	2,824	2,729	2,653	2,590	2,491	2,387	2,360	2,314	2,276	2,217
27	5,633	4,242	3,647	3,307	3,083	2,923	2,802	2,707	2,631	2,568	2,469	2,364	2,337	2,291	2,253	2,195
28	5,610	4,221	3,626	3,286	3,063	2,903	2,782	2,687	2,611	2,547	2,448	2,344	2,317	2,270	2,232	2,174
29	5,588	4,201	3,607	3,267	3,044	2,884	2,763	2,669	2,592	2,529	2,430	2,325	2,298	2,251	2,213	2,154
30	5,568	4,182	3,589	3,250	3,026	2,867	2,746	2,651	2,575	2,511	2,412	2,307	2,280	2,233	2,195	2,136
35	5,485	4,106	3,517	3,179	2,956	2,796	2,676	2,581	2,504	2,440	2,341	2,235	2,207	2,160	2,122	2,062
40	5,424	4,051	3,463	3,126	2,904	2,744	2,624	2,529	2,452	2,388	2,288	2,182	2,154	2,107	2,068	2,007
45	5,377	4,009	3,422	3,086	2,864	2,705	2,584	2,489	2,412	2,348	2,248	2,141	2,113	2,066	2,026	1,965
50	5,340	3,975	3,390	3,054	2,833	2,674	2,553	2,458	2,381	2,317	2,216	2,109	2,081	2,033	1,993	1,931
60	5,286	3,925	3,343	3,008	2,786	2,627	2,507	2,412	2,334	2,270	2,169	2,061	2,033	1,985	1,944	1,882
70	5,247	3,890	3,309	2,975	2,754	2,595	2,474	2,379	2,302	2,237	2,136	2,028	1,999	1,950	1,910	1,847
80	5,218	3,864	3,284	2,950	2,730	2,571	2,450	2,355	2,277	2,213	2,111	2,003	1,974	1,925	1,884	1,820
100	5,179	3,828	3,250	2,917	2,696	2,537	2,417	2,321	2,244	2,179	2,077	1,968	1,939	1,890	1,849	1,784
125	5,147	3,800	3,222	2,890	2,670	2,511	2,390	2,295	2,217	2,153	2,050	1,940	1,911	1,862	1,820	1,755
150	5,126	3,781	3,204	2,872	2,652	2,494	2,373	2,278	2,200	2,135	2,032	1,922	1,893	1,843	1,801	1,736
175	5,111	3,768	3,192	2,860	2,640	2,481	2,361	2,265	2,187	2,122	2,020	1,909	1,880	1,830	1,788	1,722
200	5,100	3,758	3,182	2,850	2,630	2,472	2,351	2,256	2,178	2,113	2,010	1,900	1,870	1,820	1,778	1,712
300	5,075	3,735	3,160	2,829	2,609	2,451	2,330	2,234	2,156	2,091	1,988	1,877	1,848	1,797	1,755	1,688
400	5,062	3,723	3,149	2,818	2,598	2,440	2,319	2,224	2,146	2,080	1,977	1,866	1,836	1,786	1,743	1,676
500	5,054	3,716	3,142	2,811	2,592	2,434	2,313	2,217	2,139	2,074	1,971	1,859	1,830	1,779	1,736	1,669
750	5,044	3,707	3,134	2,803	2,583	2,425	2,304	2,209	2,131	2,065	1,962	1,850	1,821	1,770	1,727	1,659
1000	5,039	3,703	3,129	2,799	2,579	2,421	2,300	2,204	2,126	2,061	1,958	1,846	1,816	1,765	1,722	1,654

	V1															
V2	25	30	35	40	45	50	60	70	80	90	100	150	200	300	500	1000
1	998,1	1001	1004	1006	1007	1008	1010	1011	1012	1013	1013	1015	1016	1017	1017	1018
2	39,46	39,46	39,47	39,47	39,48	39,48	39,48	39,48	39,49	39,49	39,49	39,49	39,49	39,49	39,50	39,50
3	14,12	14,08	14,06	14,04	14,02	14,01	13,99	13,98	13,97	13,96	13,96	13,94	13,93	13,92	13,91	13,91
4	8,501	8,461	8,433	8,411	8,394	8,381	8,360	8,346	8,335	8,326	8,319	8,299	8,289	8,278	8,270	8,264
5	6,268	6,227	6,197	6,175	6,158	6,144	6,123	6,107	6,096	6,087	6,080	6,059	6,048	6,037	6,028	6,022
6	5,107	5,065	5,035	5,012	4,995	4,980	4,959	4,943	4,932	4,923	4,915	4,893	4,882	4,871	4,862	4,856
7	4,405	4,362	4,332	4,309	4,291	4,276	4,254	4,239	4,227	4,218	4,210	4,188	4,176	4,165	4,156	4,149
8	3,937	3,894	3,863	3,840	3,821	3,807	3,784	3,768	3,756	3,747	3,739	3,716	3,705	3,693	3,684	3,677
9	3,604	3,560	3,529	3,505	3,487	3,472	3,449	3,433	3,421	3,411	3,403	3,380	3,368	3,357	3,347	3,340
10	3,355	3,311	3,279	3,255	3,237	3,221	3,198	3,182	3,169	3,160	3,152	3,128	3,116	3,104	3,094	3,087
11	3,162	3,118	3,086	3,061	3,042	3,027	3,004	2,987	2,974	2,964	2,956	2,932	2,920	2,908	2,898	2,890
12	3,008	2,963	2,931	2,906	2,887	2,871	2,848	2,831	2,818	2,808	2,800	2,775	2,763	2,750	2,740	2,733
13	2,882	2,837	2,805	2,780	2,760	2,744	2,720	2,703	2,690	2,680	2,671	2,647	2,634	2,621	2,611	2,603
14	2,778	2,732	2,699	2,674	2,654	2,638	2,614	2,597	2,583	2,573	2,565	2,539	2,526	2,513	2,503	2,495
15	2,689	2,644	2,610	2,585	2,565	2,549	2,524	2,506	2,493	2,482	2,474	2,448	2,435	2,422	2,411	2,403
16	2,614	2,568	2,534	2,509	2,488	2,472	2,447	2,429	2,415	2,405	2,396	2,370	2,357	2,343	2,333	2,324
17	2,548	2,502	2,468	2,442	2,422	2,405	2,380	2,362	2,348	2,337	2,329	2,302	2,289	2,275	2,264	2,256
18	2,491	2,445	2,410	2,384	2,364	2,347	2,321	2,303	2,289	2,278	2,269	2,242	2,229	2,215	2,204	2,195
19	2,441	2,394	2,359	2,333	2,312	2,295	2,270	2,251	2,237	2,226	2,217	2,190	2,176	2,162	2,150	2,142
20	2,396	2,349	2,314	2,287	2,266	2,249	2,223	2,205	2,190	2,179	2,170	2,142	2,128	2,114	2,103	2,094
21	2,356	2,308	2,273	2,246	2,225	2,208	2,182	2,163	2,148	2,137	2,128	2,100	2,086	2,072	2,060	2,051
22	2,320	2,272	2,237	2,210	2,188	2,171	2,145	2,125	2,111	2,099	2,090	2,062	2,047	2,033	2,021	2,012
23	2,287	2,239	2,204	2,176	2,155	2,137	2,111	2,091	2,077	2,065	2,056	2,027	2,013	1,998	1,986	1,977
24	2,257	2,209	2,173	2,146	2,124	2,107	2,080	2,060	2,045	2,034	2,024	1,995	1,981	1,966	1,954	1,945
25	2,230	2,182	2,146	2,118	2,096	2,079	2,052	2,032	2,017	2,005	1,996	1,966	1,952	1,936	1,924	1,915
26	2,205	2,157	2,120	2,093	2,071	2,053	2,026	2,006	1,991	1,979	1,969	1,940	1,925	1,909	1,897	1,888
27	2,183	2,133	2,097	2,069	2,047	2,029	2,002	1,982	1,966	1,954	1,945	1,915	1,900	1,884	1,872	1,862
28	2,161	2,112	2,076	2,048	2,025	2,007	1,980	1,959	1,944	1,932	1,922	1,892	1,877	1,861	1,848	1,839
29	2,142	2,092	2,056	2,028	2,005	1,987	1,959	1,939	1,923	1,911	1,901	1,871	1,855	1,840	1,827	1,817
30	2,124	2,074	2,037	2,009	1,986	1,968	1,940	1,920	1,904	1,892	1,882	1,851	1,835	1,819	1,806	1,797
35	2,049	1,999	1,961	1,932	1,909	1,890	1,861	1,840	1,824	1,811	1,801	1,769	1,753	1,736	1,722	1,712
40	1,994	1,943	1,905	1,875	1,852	1,832	1,803	1,781	1,764	1,751	1,741	1,708	1,691	1,673	1,659	1,648
45	1,952	1,900	1,861	1,831	1,807	1,788	1,757	1,735	1,718	1,705	1,694	1,660	1,642	1,624	1,609	1,598
50	1,919	1,866	1,827	1,796	1,772	1,752	1,721	1,698	1,681	1,667	1,656	1,621	1,603	1,584	1,569	1,557
60	1,869	1,815	1,775	1,744	1,719	1,699	1,667	1,643	1,625	1,611	1,599	1,563	1,543	1,524	1,507	1,495
70	1,833	1,779	1,739	1,707	1,681	1,660	1,628	1,604	1,585	1,570	1,558	1,520	1,500	1,480	1,463	1,449
80	1,807	1,752	1,711	1,679	1,653	1,632	1,599	1,574	1,555	1,540	1,527	1,488	1,467	1,446	1,428	1,414
100	1,770	1,715	1,673	1,640	1,614	1,592	1,558	1,532	1,512	1,496	1,483	1,442	1,420	1,397	1,378	1,363
125	1,741	1,685	1,642	1,609	1,582	1,559	1,524	1,498	1,478	1,461	1,448	1,405	1,381	1,357	1,336	1,320
150	1,722	1,665	1,622	1,588	1,561	1,538	1,502	1,475	1,454	1,437	1,423	1,379	1,355	1,329	1,307	1,290
175	1,708	1,651	1,608	1,573	1,546	1,522	1,486	1,459	1,437	1,420	1,406	1,360	1,335	1,309	1,286	1,267
200	1,698	1,640	1,597	1,562	1,534	1,511	1,474	1,447	1,425	1,407	1,393	1,346	1,320	1,293	1,269	1,250
300	1,674	1,616	1,571	1,536	1,507	1,484	1,446	1,417	1,395	1,377	1,361	1,312	1,285	1,255	1,228	1,206
400	1,662	1,603	1,558	1,523	1,494	1,470	1,432	1,403	1,380	1,361	1,345	1,294	1,266	1,234	1,206	1,182
500	1,655	1,596	1,551	1,515	1,486	1,462	1,423	1,394	1,370	1,351	1,336	1,284	1,254	1,222	1,192	1,166
750	1,645	1,586	1,541	1,505	1,475	1,451	1,412	1,382	1,358	1,339	1,322	1,269	1,239	1,204	1,172	1,144
1000	1,640	1,581	1,535	1,499	1,470	1,445	1,406	1,376	1,352	1,332	1,316	1,262	1,230	1,195	1,162	1,132

Tabla 5. Valores críticos de la distribución F *0.05(v1, v2)*

V_2	V_1								
	1	2	3	4	5	6	7	8	9
1	161.4	199.5	215.7	224.6	230.2	234.3	236.8	238.9	240.5
2	18.51	19.00	19.16	19.25	19.30	19.33	19.35	19.37	19.38
3	10.13	9.55	9.28	9.12	9.01	8.94	8.89	8.85	8.81
4	7.71	6.94	6.59	6.39	6.26	6.16	6.09	6.04	6.00
5	6.61	5.79	5.41	5.19	5.05	4.95	4.88	4.82	4.77
6	5.99	5.14	4.76	4.53	4.39	4.28	4.21	4.15	4.10
7	5.59	4.74	4.35	4.12	3.97	3.87	3.79	3.73	3.68
8	5.32	4.46	4.07	3.84	3.69	3.58	3.50	3.44	3.39
9	5.12	4.26	3.86	3.63	3.48	3.37	3.29	3.23	3.18
10	4.96	4.10	3.71	3.48	3.33	3.22	3.14	3.07	3.02
11	4.84	3.98	3.59	3.36	3.20	3.09	3.01	2.95	2.90
12	4.75	3.89	3.49	3.26	3.11	3.00	2.91	2.85	2.80
13	4.67	3.81	3.41	3.18	3.03	2.92	2.83	2.77	2.71
14	4.60	3.71	3.34	3.11	2.96	2.85	2.76	2.70	2.65
15	4.54	3.68	3.29	3.06	2.90	2.79	2.71	2.64	2.59
16	4.49	3.63	3.24	3.01	2.85	2.74	2.66	2.59	2.54
17	4.45	3.59	3.20	2.96	2.81	2.70	2.61	2.55	2.49
18	4.41	3.55	3.16	2.93	2.77	2.66	2.58	2.51	2.46
19	4.38	3.52	3.13	2.90	2.74	2.63	2.54	2.48	2.42
20	4.35	3.49	3.10	2.87	2.71	2.60	2.51	2.45	2.39
21	4.32	3.47	3.07	2.84	2.68	2.57	2.49	2.42	2.37
22	4.30	3.44	3.05	2.82	2.66	2.55	2.46	2.40	2.34
23	4.28	3.42	3.03	2.8	2.64	2.53	2.44	2.37	2.32
24	4.26	3.40	3.01	2.78	2.62	2.51	2.42	2.36	2.30
25	4.24	3.39	2.99	2.76	2.60	2.49	2.40	2.34	2.28
26	4.23	3.37	2.98	2.74	2.59	2.47	2.39	2.32	2.27
27	4.21	3.35	2.96	2.73	2.57	2.46	2.37	2.31	2.25
28	4.20	3.34	2.95	2.71	2.56	2.45	2.36	2.29	2.24
29	4.18	3.33	2.93	2.70	2.55	2.43	2.35	2.28	2.22
30	4.17	3.32	2.92	2.69	2.53	2.42	2.33	2.27	2.21
40	4.08	3.23	2.84	2.61	2.45	2.34	2.25	2.18	2.12
60	4.00	3.15	2.76	2.53	2.37	2.25	2.17	2.10	2.04
120	3.92	3.07	2.68	2.45	2.29	2.17	2.09	2.02	1.96
α	3.84	3.00	2.60	2.37	2.21	2.10	2.01	1.94	1.88

*Reproducida de la tabla 18 de Biométrica Tables for Statisticians, Vol1, con permiso de E.S. Pearson y de los fiduciarios de Biometrika

Tabla 5. ***(Continuación)*** **Valores críticos de la distribución F**
F 0.05(v1, v2)

V_2	V_1									
	10	12	15	20	24	30	40	60	120	α
1	241.9	243.9	245.9	248.0	249.1	250.1	251.1	252.2	253.3	254.3
2	19.40	19.41	19.43	19.45	19.45	19.46	19.47	19.48	19.49	19.50
3	8.79	8.74	8.70	8.66	8.64	8.62	8.59	8.57	8.55	8.53
4	5.96	5.91	5.86	5.80	5.77	5.75	5.72	5.69	5.66	5.63
5	4.74	4.68	4.62	4.56	4.53	4.50	4.46	4.43	4.40	4.36
6	4.06	4.00	3.94	3.87	3.84	3.81	3.77	3.74	3.70	3.67
7	3.64	3.57	3.51	3.44	3.41	3.38	3.34	3.30	3.27	3.23
8	3.35	3.28	3.22	3.15	3.12	3.08	3.04	3.01	2.97	2.93
9	3.14	3.07	3.01	2.94	2.90	2.86	2.83	2.79	2.76	2.74
10	2.98	2.91	2.85	2.77	2.74	2.70	2.66	2.62	2.58	2.54
11	2.85	2.79	2.72	2.65	2.61	2.57	2.53	2.49	2.45	2.40
12	2.75	2.69	2.62	2.54	2.51	2.47	2.43	2.38	2.34	2.30
13	2.67	2.60	2.53	2.46	2.42	2.38	2.34	2.30	2.25	2.21
14	2.60	2.53	2.46	2.39	2.35	2.31	2.27	2.22	2.18	2.13
15	2.54	2.48	2.40	2.33	2.29	2.25	2.20	2.16	2.11	2.07
16	2.49	2.42	2.35	2.28	2.24	2.19	2.15	2.11	2.06	2.01
17	2.45	2.38	2.31	2.23	2.19	2.15	2.10	2.06	2.01	1.96
18	2.41	2.34	2.27	2.19	2.15	2.11	2.06	2.02	1.97	1.92
19	2.38	2.31	2.23	2.16	2.11	2.07	2.03	1.98	1.93	1.88
20	2.35	2.28	2.20	2.12	2.08	2.04	1.99	1.95	1.90	1.84
21	2.32	2.25	2.18	2.10	2.05	2.01	1.96	1.92	1.87	1.81
22	2.30	2.23	2.15	2.07	2.03	1.98	1.94	1.89	1.84	1.78
23	2.27	2.20	2.13	2.05	2.01	1.96	1.91	1.86	1.81	1.76
24	2.25	2.18	2.11	2.03	1.98	1.94	1.89	1.84	1.79	1.73
25	2.24	2.16	2.09	2.01	1.96	1.92	1.87	1.82	1.77	1.71
26	2.22	2.15	2.07	1.99	1.95	1.90	1.85	1.80	1.75	1.69
27	2.20	2.13	2.06	1.97	1.93	1.88	1.84	1.79	1.73	1.67
28	2.19	|2.12	2.04	1.96	1.91	1.87	1.82	1.77	1.71	1.65
29	2.18	2.10	2.03	1.94	1.90	1.85	1.81	1.75	1.70	1.64
30	2.16	2.09	2.01	1.93	1.89	1.84	1.79	1.74	1.68	1.62
40	2.08	2.00	1.92	1.84	1.79	1.74	1.69	1.64	1.58	1.51
60	1.99	1.95	1.84	1.75	1.70	1.65	1.59	1.53	1.47	1.39
120	1.91	1.83	1.75	1.66	1.61	1.55	1.50	1.43	1.35	1.25
α	1.83	1.75	1.67	1.57	1.52	1.46	1.39	1.32	1.22	1.00

Tabla 6. Valores críticos de la distribución F $0.01(v_1,v_2)$

	V_1								
V_2	1	2	3	4	5	6	7	8	9
1	4052	4999.5	5403	5625	5764	5859	5928	5981	6022
2	98.50	99.00	99.17	99.25	99.30	99.33	99.36	99.37	99.39
3	34.12	30.82	29.46	28.71	28.24	27.91	27.67	27.49	27.35
4	21.20	18.00	16.69	15.98	15.52	15.21	14.98	14.80	14.66
5	16.26	13.27	12.06	11.39	10.97	10.67	10.46	10.29	10.16
6	13.75	10.92	9.78	9.15	8.75	8.47	8.26	8.10	7.98
7	12.25	9.55	8.45	7.85	7.46	7.19	6.99	6.84	6.72
8	11.26	8.65	7.59	7.01	6.63	6.37	6.18	6.03	5.91
9	10.56	8.02	6.99	6.42	6.06	5.80	5.61	5.47	5.35
10	10.04	7.56	6.55	5.99	5.64	5.39	5.20	5.06	4.94
11	9.65	7.21	6.22	5.67	5.32	5.07	4.89	4.74	4.63
12	9.33	6.93	5.95	5.41	5.06	4.82	4.64	4.50	4.39
13	9.07	6.70	5.74	5.21	4.86	4.62	4.44	4.30	4.19
14	8.86	6.51	5.56	5.04	4.69	4.46	4.28	4.14	4.03
15	8.68	6.36	5.42	4.89	4.56	4.32	4.14	4.00	3.89
16	8.53	6.23	5.29	4.77	4.44	4.20	4.03	3.89	3.78
17	8.40	6.11	5.18	4.67	4.34	4.10	3.93	3.79	3.68
18	8.29	6.01	5.09	4.58	4.25	4.01	3.84	3.71	3.60
19	8.18	5.93	5.01	4.50	4.17	3.94	3.77	3.63	3.52
20	8.10	5.85	4.94	4.43	4.10	3.87	3.70	3.56	3.46
21	8.02	5.78	4.87	4.37	4.04	3.81	3.64	3.51	3.40
22	7.95	5.72	4.82	4.31	3.99	3.76	3.59	3.45	3.35
23	7.88	5.66	4.76	4.26	3.94	3.71	3.54	3.41	3.30
24	7.82	5.61	4.72	4.22	3.90	3.67	3.50	3.36	3.26
25	7.77	5.57	4.68	4.18	3.85	3.63	3.46	3.32	3.22
26	7.72	5.53	4.64	4.14	3.82	3.59	3.42	3.29	3.18
27	7.68	5.49	4.60	4.11	3.78	3.56	3.39	3.26	3.15
28	7.64	5.45	4.57	4.07	3.75	3.53	3.36	3.23	3.12
29	7.60	5.42	4.54	4.04	3.73	3.50	3.33	3.20	3.09
30	7.56	5.39	4.51	4.02	3.70	3.47	3.30	3.17	3.07
40	7.31	5.18	4.31	3.83	3.51	3.29	3.12	2.99	2.89
60	7.08	4.98	4.13	3.65	3.34	3.12	2.95	2.82	2.72
120	6.85	4.79	3.95	3.48	3.17	2.96	2.79	2.66	2.56
x	6.63	4.61	3.78	3.32	3.02	2.80	2.64	2.51	2.41

Tabla 6. (Continuación) Valores críticos de la distribución *F*

F 0.01(v_1,v_2)

	V_1									
V_2	10	12	15	20	24	30	40	60	120	α
1	6056	6106	6157	6209	6235	6261	6287	6313	6339	6366
2	99.40	99.42	99.43	99.45	99.46	99.47	99.47	99.48	99.49	99.50
3	27.23	27.05	26.87	26.69	26.60	26.50	26.41	26.32	26.22	26.13
4	14.55	14.37	14.20	14.02	13.93	13.84	13.75	13.65	13.56	13.46
5	10.05	9.89	9.72	9.55	9.47	9.38	9.29	9.20	9.11	9.02
6	7.87	7.72	7.56	7.40	7.31	7.23	7.14	7.06	6.97	6.88
7	6.62	6.47	6.31	6.16	6.07	5.99	5.91	5.82	5.74	5.65
8	5.81	5.67	5.52	5.36	5.28	5.20	5.12	5.03	4.95	4.86
9	5.26	5.11	4.96	4.81	4.73	4.65	4.57	4.48	4.40	4.31
10	4.85	4.71	4.56	4.41	4.33	4.25	4.17	4.08	4.00	3.91
11	4.54	4.40	4.25	4.10	4.02	3.94	3.86	3.78	3.69	3.60
12	4.30	4.16	4.01	3.86	3.78	3.70	3.62	3.54	3.45	3.36
13	4.10	3.96	3.82	3.66	3.59	3.51	3.43	3.34	3.25	3.17
14	3.94	3.80	3.66	3.51	3.43	3.35	3.27	3.18	3.09	3.00
15	3.80	3.67	3.52	3.37	3.29	3.21	3.13	3.05	2.96	2.87
16	3.69	3.55	3.41	3.26	3.18	3.10	3.02	2.93	2.84	2.75
17	3.59	3.46	3.31	3.16	3.08	3.00	2.92	2.83	2.75	2.65
18	3.51	3.37	3.23	3.08	3.00	2.92	2.84	2.75	2.66	2.57
19	3.43	3.30	3.15	3.00	2.92	2.84	2.76	2.67	2.58	2.49
20	3.37	3.23	3.09	2.94	2.86	2.78	2.69	2.61	2.52	2.87
21	3.31	3.17	3.03	2.88	2.80	2.72	2.64	2.55	2.46	2.75
22	3.26	3.12	2.98	2.83	2.75	2.67	2.58	2.50	2.40	2.65
23	3.21	3.07	2.93	2.78	2.70	2.62	2.54	2.45	2.35	2.57
24	3.17	3.03	2.89	2.74	2.66	2.58	2.49	2.40	2.31	2.49
25	3.13	2.99	2.85	2.70	2.62	2.54	2.45	2.36	2.27	2.17
26	3.09	2.96	2.81	2.66	2.58	2.50	2.42	2.33	2.23	2.13
27	3.06	2.93	2.78	2.63	2.55	2.47	2.38	2.29	2.20	2.10
28	3.03	2.90	2.75	2.60	2.52	2.44	2.35	2.26	2.17	2.06
29	3.00	2.87	2.73	2.57	2.49	2.41	2.33	2.23	2.14	2.03
30	2.98	2.84	2.70	2.55	2.47	2.39	2.30	2.21	2.11	2.01
40	2.80	2.66	2.52	2.37	2.29	2.20	2.11	2.02	1.92	1.80
60	2.63	2.50	2.35	2.20	2.12	2.03	1.94	1.84	1.73	1.60
120	2.47	2.34	2.19	2.03	1.95	1.86	1.76	1.66	1.53	1.38
α	2.32	2.18	2.04	1.88	1.79	1.70	1.59	1.47	1.32	1.00

Tabla 7. Valores críticos de *D* en la prueba de Bondad de ajuste de Kolmogorov-Smirnov[2]

Tamaño de la muestra (*n*)	Nivel de significancia para D = máximo $/F(x) - S_n(x)/$				
	.20	.15	.10	.05	.01
1	.900	.925	.950	.975	.995
2	.684	.726	.776	.842	.929
3	.565	.597	.642	.708	.828
4	.494	.525	.564	.624	.733
5	.446	.474	.510	.565	.669
6	.410	.436	.470	.521	.618
7	.381	.405	.438	.486	.577
8	.358	.381	.411	.457	.543
9	.339	.360	.388	.432	.514
10	.322	.342	.368	.410	.490
11	.307	.326	.352	.391	.468
12	.295	.313	.338	.375	.450
13	.284	.302	.325	.361	.433
14	.274	.292	.314	.349	.418
15	.266	.283	.304	.338	.404
16	.258	.274	.295	.328	.392
17	.250	.266	.286	..318	.381
18	.244	.259	.278	.309	.371
19	.237	.252	.272	.301	.363
20	.231	.246	.264	.294	.356
25	.21	.22	.24	.27	.32
30	.19	.20	.22	.24	.29
35	.18	.19	.21	.23	.27
Más de 35	$\frac{1.07}{\sqrt{n}}$	$\frac{1.14}{\sqrt{n}}$	$\frac{1.22}{\sqrt{n}}$	$\frac{1.36}{\sqrt{n}}$	$\frac{1.63}{\sqrt{n}}$

[1] Adaptado de F. J. Massey, Jr., "The Kolmogorov-Smirnov test for godeness of fit", Jour, Amer. Stat. Assn, Vol. 46,1951,pp.68-78. Con permiso del autor y los editors.

[2] Los valores *D* proporcionados en la tabla son valores críticos asociados con valores seleccionados de n. Cualquier valor *D* el cual es mayor o igual que el valor tabulado es significante en el nivel de significancia indicado.

TABLA 8. Distribución de Poisson acumulada

LANDA	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
0.05	0.950	0.999																		
0.10	0.905	0.995	0.999																	
0.15	0.861	0.990	0.999																	
0.20	0.819	0.982	0.999																	
0.25	0.779	0.973	0.998	0.999																
0.30	0.741	0.963	0.996	0.999																
0.35	0.705	0.951	0.994	0.999																
0.40	0.670	0.938	0.992	0.999																
0.45	0.638	0.924	0.989	0.998	0.999															
0.50	0.607	0.910	0.986	0.998	0.999															
0.55	0.577	0.894	0.981	0.997	0.999															
0.60	0.549	0.878	0.977	0.997	0.999															
0.65	0.522	0.861	0.972	0.996	0.999															
0.70	0.497	0.844	0.966	0.994	0.999															
0.75	0.472	0.827	0.959	0.993	0.999															
0.80	0.449	0.809	0.953	0.991	0.998	0.999														
0.85	0.427	0.791	0.945	0.989	0.998	0.999														
0.90	0.407	0.772	0.937	0.987	0.998	0.999														
0.95	0.387	0.754	0.929	0.984	0.997	0.999														
1.00	0.368	0.736	0.920	0.981	0.996	0.999														
1.05	0.350	0.717	0.910	0.978	0.995	0.999														
1.10	0.333	0.699	0.900	0.974	0.995	0.999														
1.15	0.317	0.681	0.890	0.970	0.993	0.999														
1.20	0.301	0.663	0.879	0.966	0.992	0.998	0.999													
1.25	0.286	0.645	0.868	0.962	0.991	0.998	0.999													
1.30	0.273	0.627	0.857	0.957	0.989	0.998	0.999													
1.35	0.259	0.609	0.845	0.952	0.988	0.997	0.999													
1.40	0.247	0.592	0.833	0.946	0.986	0.997	0.999													
1.45	0.235	0.575	0.821	0.940	0.984	0.996	0.999													
1.50	0.223	0.558	0.809	.934	0.981	0.995	0.999													
1.55	0.212	0.541	0.796	0.928	0.979	0.995	0.999													
1.60	0.202	0.525	0.783	0.921	0.976	0.994	0.999													
1.65	0.192	0.509	0.770	0.914	0.973	0.993	0.998	0.999												
1.70	0.183	0.493	0.757	0.907	0.970	0.992	0.998	0.999												
1.75	0.174	0.478	0.744	0.899	0.967	0.991	0.998	0.999												
1.80	0.165	0.628	0.731	0.891	0.963	0.990	0.997	0.999												
1.85	0.157	0.448	0.717	0.883	0.960	0.988	0.997	0.999												
1.90	0.150	0.434	0.704	0.875	0.956	0.987	0.997	0.999												
1.95	0.142	0.420	0.690	0.866	0.952	0.985	0.996	0.999												
2.00	0.135	0.406	0.677	0.857	0.947	0.983	0.995	0.999												
2.05	0.129	0.393	0.663	0.848	0.943	0.982	0.995	0.999												
2.10	0.122	0.380	0.650	0.839	0.938	0.980	0.994	0.999												
2.15	0.116	0.367	0.636	0.829	0.933	0.977	0.993	0.998	0.999											
2.20	0.111	0.355	0.623	0.819	0.928	0.975	0.992	0.998	0.999											
2.25	0.105	0.342	0.609	0.809	0.922	0.973	0.992	0.998	0.999											
2.30	0.100	0.331	0.596	0.799	0.916	0.970	0.991	0.997	0.999											
2.35	0.095	0.319	0.583	0.789	0.910	0.967	0.990	0.997	0.999											
2.40	0.091	0.308	0.570	0.779	0.904	0.964	0.988	0.997	0.999											
2.45	0.086	0.286	0.557	0.768	0.898	0.961	0.987	0.996	0.999											
2.50	0.082	0.287	0.544	0.758	0.891	0.958	0.986	0.996	0.999											
2.55	0.078	0.277	0.531	0.747	0.884	0.954	0.984	0.995	0.999											
2.60	0.074	0.267	0.518	0.736	0.877	0.951	0.983	0.995	0.999											
2.65	0.071	0.258	0.506	0.725	0.870	0947	0.981	0.994	0.998	0.999										
2.70	0.067	0.249	0.494	0.714	0.863	0.943	0.979	0.993	0.998	0.999										
2.75	0.064	0.240	0.481	0.703	0.855	0.939	0.978	0.993	0.998	0.999										
2.80	0.061	0.231	0.469	0.692	0.848	0.935	0.976	0.992	0.998	0.999										

LANDA	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
2.85	0.058	0.223	0.458	0.681	0.840	0.930	0.973	0.991	0.997	0.999										
2.90	0.055	0.215	0.446	0.670	0.832	0.826	0.971	0.999	0.997	0.999										
2.95	0.052	0.207	0.434	0.658	0.824	0.921	0.969	0.989	0.997	0.999										
3.00	0.050	0.199	0.423	0.647	0.815	0.916	0.966	0.988	0.996	0.999										
3.05	0.047	0.192	0.415	0.636	0.807	0.911	0.964	0.987	0.996	0.999										
3.10	0.045	0.185	0.401	0.625	0.798	0.906	0.961	0.988	0.995	0.999										
3.15	0.043	0.178	0.390	0614	0.789	0.900	0.958	0.984	0.995	0.998	0.999									
3.20	0.041	0.171	0.380	0.603	0.781	0.895	0.955	0.983	0.994	0.998	0.999									
3.25	0.039	0.165	0.370	0.591	0.772	0.889	0.952	0.982	0.994	0.998	0.999									
3.30	0.037	0.159	0.359	0.580	0.763	0.883	0.949	0.980	0.993	0.998	0.999									
3.35	0.035	0.153	0.349	0.569	0.753	0.877	0.946	0.979	0.992	0.998	0.999									
3.40	0.033	0.147	0.340	0.559	0.744	0.871	0.942	0.977	0.992	0.997	0.999									
3.45	0.032	0.141	0.330	0.547	0.735	0.864	0.934	0.975	0.991	0.997	0.999									
3.50	0.030	0.136	0.321	0.537	0.725	0.858	0.935	0.973	0.990	0.997	0.999									
3.55	0.029	0.131	0.312	0.526	0.716	0.851	0.931	0.971	0.989	0.996	0.999									
3.60	0.027	0.126	0.303	0.515	0.706	0.844	0.927	0.969	0.988	0.996	0.999									
3.65	0.026	0.121	0.294	0.505	0.697	0.837	0.922	0.967	0.987	0.996	0.999									
3.70	0.025	0.116	0.285	0.494	0.687	0.830	0.918	0.965	0.988	0.995	0.988	0.999								
3.75	0.024	0.112	0.277	0.484	0.677	0.823	0.914	0.962	0.985	0.995	0.998	0.999								
3.80	0.022	0.107	0.267	0.473	0.668	0.816	0.909	0.960	0.983	0.994	0.998	0.999								
3.85	0.021	0.103	0.261	0.463	0.658	0.808	0.904	0.957	0.983	0.994	0.998	0.999								
3.90	0.020	0.099	0.253	0.453	0.648	0.800	0.899	0.955	0.981	0.993	0.998	0.999								
3.95	0.019	0.095	0.246	0.443	0.639	0.793	0.894	0.952	0.980	0.993	0.997	0.999								
4.00	0.018	0.092	0.238	0.433	0.629	0.785	0.889	0.949	0.979	0.992	0.997	0.999								
4.05	0.017	0.088	0.231	0.424	0.619	0.777	0.884	0.946	0.977	0.991	0.997	0.999								
4.10	0.017	0.084	0.224	0.414	0.609	0.769	0.879	0.943	0.975	0.990	0.997	0.999								
4.15	0.015	0.081	0.217	0.405	0.600	0.761	0.873	0.939	0.974	0.990	0.996	0.999								
4.20	0.015	0.080	0.210	0.395	0.590	0.753	0.867	0.936	0.972	0.989	0.996	0.999								
4.25	0.014	0.075	0.204	0.386	0.580	0.745	0.862	0.933	0.970	0.988	0.996	0.998	0.999							
4.30	0.014	0.072	0.197	0.377	0.570	0.737	0.856	0.929	0.968	0.987	0.995	0.998	0.999							
4.35	0.013	0.069	0.191	0.368	0.561	0.728	0.850	0.925	0.966	0.986	0.995	0.998	0.999							
4.40	0.012	0.066	0.185	0.359	0.551	0.720	0.844	0.921	0.964	0.985	0.994	0.998	0.999							
4.45	0.012	0.064	0.179	0.351	0.542	0.711	0.837	0.917	0.962	0.984	0.994	0.998	0.999							
4.50	0.011	0.061	0.174	0.342	0.532	0.703	0.831	0.913	0.960	0.983	0.993	0.998	0.999							
4.55	0.011	0.059	0.168	0.335	0.523	0.694	0.825	0.909	0.957	0.982	0.993	0.997	0.999							
4.60	0.010	0.056	0.163	0.326	0.513	0.686	0.818	0.905	0.955	0.980	0.992	0.997	0.999							
4.65	0.010	0.054	0.157	0.318	0.504	0.677	0.811	0.901	0.952	0.979	0.992	0.997	0.999							
4.70	0.010	0.052	0.152	0.310	0.495	0.668	0.805	0.896	0.950	0.978	0.991	0.997	0.999							
4.75	0.009	0.050	0.147	0.302	0.485	0.660	0.798	0.891	0.947	0.976	0.990	0.996	0.999							
4.80	0.008	0.050	0.143	0.294	0.476	0.651	0.791	0.887	0.944	0.975	0.990	0.996	0.999							
4.85	0.008	0.050	0.138	0.287	0.487	0.642	0.784	0.882	0.941	0.973	0.989	0.996	0.998	0.999						
4.90	0.007	0.040	0.133	0.279	0.458	0.634	0.777	0.877	0.938	0.972	0.988	0.995	0.998	0.999						
4.95	0.007	0.040	0.129	0.272	0.449	0.625	0.769	0.872	0.935	0.970	0.987	0.995	0.998	0.999						
5.00	0.007	0.040	0.125	0.265	0.440	0.616	0.762	0.867	0.932	0.968	0.986	0.995	0.998	0.999						
5.05	0.006	0.040	0.121	0.258	0.432	0607	0.755	0.861	0.929	0.966	0.985	0.994	0.998	0.999						
5.10	0.006	0.040	0.116	0.251	0.423	0.598	0.747	0.856	0.925	0.964	0.984	0.994	0.998	0.999						
5.15	0.000	0.040	0.113	0.245	0.415	0.590	0.740	0.850	0.922	0.962	0.983	0.993	0.997	0.999						
5.20	0.006	0.030	0.109	0.238	0.406	0.581	0.732	0.845	0.918	0.960	0.982	0.993	0.997	0.999						
5.25	0.005	0.030	0.105	0.232	0.398	0.572	0.725	0.839	0.914	0.958	0.981	0.992	0.997	0.999						
5.30	0.005	0.030	0.102	0.225	0.390	0.563	0.717	0.833	0.911	0.956	0.980	0.992	0.997	0.999						
5.35	0.005	0.030	0.098	0.249	0.381	0.555	0.709	0.828	0.907	0.954	0.979	0.994	0.996	0.999						
5.40	0.005	0.030	0.095	0.213	0.373	0.546	0.702	0.822	0.903	0.951	0.977	0.990	0.996	0.999						
5.45	0.004	0.028	0.091	0.207	0.365	0.538	0.694	0.816	0.899	0.949	0.976	0.990	0.996	0.999						
5.50	0.004	0.027	0.088	0.202	0.358	0.529	0.686	0.809	0.894	0.946	0.975	0.989	0.996	0.998	0.999					
5.55	0.004	0.026	0.086	0.200	0.350	0.520	0.678	0.803	0.890	0.944	0.973	0.988	0.995	0.998	0.999					
5.60	0.004	0.024	0.082	0.191	0.342	0.512	0.670	0.797	0.886	0.941	0.972	0.988	0.995	0.998	0.999					
5.65	0.004	0.023	0.080	0.185	0.335	0.503	0.662	0.791	0.881	0.938	0.970	0.987	0.994	0.998	0.999					
5.70	0.003	0.022	0.080	0.180	0.327	0.495	0.654	0.784	0.877	0.935	0.969	0.986	0.994	0.998	0.999					
5.75	0.003	0.021	0.080	0.175	0.320	0.487	0.646	0.778	0.872	0.932	0.967	0.985	0.994	0.997	0.999					
5.80	0.003	0.021	0.071	0.170	0.313	0.478	0.638	0.771	0.867	0.938	0.965	0.984	0.993	0.997	0.999					

LANDA	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
5.85	0.003	0.020	0.069	0.165	0.306	0.470	0.630	0.764	0.862	0.726	0.963	0983	0.993	0.997	0.999					
5.90	0.003	0.019	0.067	0.160	0.299	0.462	0.622	0.758	0.857	0.923	0.961	0.982	0.992	0.997	0.999					
5.95	0.003	0.018	0.064	0.156	0.292	0.454	0.614	0.751	0.852	0.919	0.959	0.981	0.992	0.997	0.999					
6.00	0.002	0.017	0.062	0.151	0.285	0.446	0.606	0.744	0.847	0.916	0.957	0.980	0.991	0.996	0.999					
6.05	0.002	0.017	0.060	0.147	0.278	0.438	0.598	0.737	0.842	0.913	0.955	0.979	0.991	0.996	0.999					
6.10	0.002	0.016	0.058	0.143	0.272	0.430	0.590	0.730	0.837	0.939	0.953	0.978	0.990	0.996	0.999					
6.15	0.002	0.015	0.056	0.138	0.265	0.422	0.582	0.723	0.831	0.905	0.951	0.976	0.989	0.996	0.998	0.999				
6.20	0.002	0.015	0.054	0.134	0.259	0.414	0.574	0.716	0.826	0.902	0.949	0.975	0.989	0.995	0.998	0.999				
6.25	0.002	0.014	0.052	0.130	0.253	0.406	0.566	0.709	0.820	0.898	0.946	0.974	0.988	0.995	0.998	0.999				
6.30	0.002	0.013	0.050	0.126	0.247	0.399	0.558	0.702	0.815	0.894	0.944	0.972	0.987	0.995	0.998	0.999				
6.35	0.002	0.013	0.048	0.123	0.241	0.391	0.550	0.695	0.809	0.890	0.941	0.971	0.986	0.994	0.998	0.999				
6.40	0.002	0.012	0.046	0.119	0.235	0.384	0.542	0.687	0.803	0.886	0.939	0.969	0.986	0.994	0.997	0.999				
6.45	0.002	0.012	0.045	0.115	0.229	0.376	0.534	0.680	0.797	0.882	0.936	0.968	0.985	0.993	0.997	0.999				
6.50	0.002	0.011	0.043	0.112	0.224	0.369	0.527	0.673	0.792	0.877	0.933	0.966	0.984	0.993	0.997	0.999				
6.55	0.001	0.010	0.041	0.108	0.218	0.362	0.519	0.665	0.786	0.873	0.930	0964	0.983	0.992	0.997	0.999				
6.60	0.001	0.010	0.040	0.105	0.213	0.355	0.511	0.658	0.780	0.869	0.927	0.963	0.982	0.992	0.997	0.999				
6.65	0.001	0.010	0.040	0.102	0.207	0.348	0.503	0.651	0.773	0.864	0.924	0.961	0.981	0.991	0.996	0.999				
6.70	0.001	0.010	0.010	0.100	0.202	0.341	0.495	0.643	0.767	0.860	0.921	0.959	0.980	0.991	0.996	0.998	0.999			
6.75	0.001	0.009	0.036	0.096	0.197	0.334	0.488	0.636	0.761	0.855	0.918	0.957	0.979	0.990	0.996	0.998	0.999			
6.80	0.001	0.009	0.034	0.093	0.192	0.327	0.480	0.628	0.755	0.850	0915	0.955	0.978	0.990	0.996	0.998	0.999			
6.85	0.001	0.008	0.033	0.090	0.187	0.320	0.472	0.621	0.748	0.845	0.912	0.953	0.977	0.989	0.995	0.998	0.999			
6.90	0.001	0.008	0.032	0.087	0.182	0.315	0.465	0.614	0.742	0.840	0.908	0.951	0.976	0.989	0.995	0.998	0.999			
6.95	0.001	0.008	0.030	0.085	0.178	0.307	0.457	0.606	0.736	0.836	0.905	0.949	0.974	0.988	0.995	0.998	0.999			
7.00	0.001	0.007	0.030	0.082	0.173	0.301	0.450	0.599	0.729	0.830	0.902	0.947	0.973	0.987	0.994	0.998	0.999			
7.10	0.001	0.007	0.027	0.077	0.164	0.288	0.435	0.584	0.716	0.820	0.894	0.942	0.970	0.986	0.994	0.997	0.999			
7.20	0.001	0.006	0.025	0.072	0.156	0.276	0.420	0.569	0.703	0.810	0.887	0.937	0.967	0.984	0.993	0.997	0.999			
7.30	0.001	0.006	0.024	0.067	0.147	0.264	0.406	0.554	0.689	0.799	0.879	0.932	0.964	0.982	0.992	0.996	0.999			
7.40	0.001	0.005	0.022	0.063	0.140	0.253	0.392	0.540	0.676	0.788	0.871	0.926	0.961	0.980	0.991	0.996	0.998	0.999		
7.50	0.001	0.005	0.020	0.060	0.132	0.241	0.378	0.525	0.662	0.776	0.862	0.921	0.957	0.978	0.990	0.995	0.998	0.999		
7.60	0.001	0.004	0.019	0.055	0.125	0.231	0.365	0.510	0.648	0.765	0.854	0.915	0.954	0.976	0.989	0.995	0.998	0.999		
7.70	0.000	0.004	0.017	0.052	0.118	0.220	0.351	0.496	0.634	0.753	0.844	0.909	0.950	0.974	0.987	0.994	0.997	0.999		
7.80		0.004	0.016	0.048	0.112	0.210	0.338	0.481	0.620	0.471	0.835	0.902	0.945	0.971	0.986	0.993	0.997	0.999		
7.90		0.003	0.015	0.045	0.106	0.201	0.326	0.467	0.607	0.729	0826	0.895	0.941	0.969	0.984	0.993	0.997	0.999		
8.00		0.003	0.014	0.042	0.096	0.191	0.313	0.453	0.593	0.717	0.16	0.888	0.936	0.966	0.983	0.992	0.996	0.998	0.999	
8.10		0.003	0.013	0.040	0.094	0.182	0.301	.439	0.579	0.704	0.806	0.881	0.931	0.963	0.981	0.991	0.996	0.998	0.999	
8.20		0.003	0.012	0.037	0.089	0.174	0.290	0.425	0.565	0.692	0.796	0.873	.925	0.960	0.979	0.990	0.995	0.998	0.999	
8.30		0.002	0.011	0.035	0.085	0.166	0.280	0.411	0.553	0.681	0.786	0.880	0.921	0.957	0.977	0.989	0.995	0.998	0.999	
8.40		0.002	0.010	0.032	0.079	0.157	0.267	0.399	0.537	0.666	0.774	0.857	0.915	0.952	0.975	0.987	0.894	0.997	0.999	
8.50		0.002	0.009	0.030	0.074	0.150	0.256	0.386	0.523	0.653	0.763	0.849	0.909	0.949	0.973	0.986	0.993	0.997	0.999	
8.60		0.002	0.009	0.028	0.070	0.142	0.246	0.373	0.509	0.640	.0752	0.840	0.903	0.945	0.970	0.985	0.993	0.997	0.999	
8.70		0.002	0.008	0.026	0.066	0.135	0.235	0.360	0.496	0.627	0.741	0.831	0.897	0.940	0.967	0.983	0.992	0.996	0.998	0.999
8.80		0.001	0.007	0.024	0.062	0.128	0.226	0.348	0.482	0.614	0.729	0.822	0.890	0.936	0.965	0.982	0.991	0.996	0.998	0.999
8.90		0.001	0.007	0.022	0.057	0.119	0.211	0.330	0.462	0.594	0.712	0.808	0.879	0.929	0.960	0.979	0.989	0.995	0.998	0.999
9.00		0.001	0.006	0.021	0.055	0.116	0.207	0.324	0.456	0.587	0.706	0.803	0.876	0.926	0.959	0.978	0.989	0.995	0.998	0.999

LANDA	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
9.10	0.001	0.006	0.020	0.052	0.110	0.198	0.312	0.443	0.574	0.694	0.793	0.868	0.921	0.955	0.976	0.988	0.94	0.997	0.999	
9.20	0.001	0.005	0.018	0.048	0.104	0.189	0.301	0.430	0.561	0.682	0.783	0.861	0.916	0.952	0.974	0.987	0.993	0.997	0.999	
9.30	0.001	0.004	0.017	0.046	0.099	0.181	0.290	0.417	0.548	0.670	0.773	0.853	0.910	0.948	0.972	0.985	0.993	0.997	0.998	0.999
9.40	0.001	0.004	0.016	0.043	0.093	0.173	0.279	0.404	0.535	0.658	0.763	0.845	0.904	0.944	0.969	0.984	0.992	0.996	0.998	0.999
9.50	0.001	0.004	0.015	0.040	0.089	0.165	0.269	0.392	0.522	0.645	0.752	0.836	0.898	0.940	0.967	0.982	0.991	0.996	0.998	0.999
9.60	0.001	0.004	0.014	0.038	0.084	0.157	0.258	0.380	0.509	0.633	0.741	0.828	0.892	0.936	0.964	0.981	0.990	0.995	0.998	0.999
9.70	0.001	0.004	0.013	0.035	0.079	0.150	0.248	0.368	0.496	0.621	0.730	0.819	0.885	0.931	0.961	0.979	0.989	0.994	0.997	0.999
9.80	0.001	0.003	0.012	0.033	0.075	0.143	0.239	0.356	0.483	0.608	0.719	0.810	0.879	0.927	0.958	0.977	0.988	0.994	0.997	0.999
9.90	0.001	0.003	0.011	0031	0.071	0.137	0.229	0.344	0.470	0.596	0.708	0.801	0.872	0.922	0955	0.975	0.987	0.993	0.997	0.999
10.00	0.000	0.003	0.010	0.030	0.070	0.130	0.220	0.333	0.458	0.583	0.697	0.782	0.864	0.917	0.951	0.973	0.986	0.993	0.997	0.998
10.20		0.002	0.009	0.026	0.060	0.118	0.203	0.311	0.433	0.558	0.674	0.772	0.849	0.906	0.944	0.968	0.983	0.991	0.996	0.998
10.40		0.002	0.008	0.023	0.053	0.107	0.186	0.290	0.409	0.533	0.650	0.752	0.834	0.894	0.935	0.963	0.980	0.989	0.995	0.998
10.50		0.002	0.007	0.021	0.050	0.102	0.179	0.279	0.397	0.521	0.639	0.742	0.825	0.888	0.932	0.960	0.978	0.988	0.994	0.997
10.60		0.002	0.007	0.020	0.048	0.097	0.171	0.269	0.385	0.508	0.627	0.732	0.817	0.882	0.927	0.957	0.976	0.987	0.994	0.997
10.80		0.001	0.006	0.017	0.042	0.087	0.157	0.250	0.363	0.484	0.603	0.710	0.799	0.868	0.918	0.951	0.972	0.985	0.992	0.996
11.00		0.001	0.005	0.015	0.037	0.079	0.143	0.232	0.341	0.460	0.579	0.687	0.781	0.854	0.907	0.944	0.968	0.982	0.991	0.995
11.20		0.001	0.004	0.013	0.033	0.070	0.131	0.215	0.319	0.436	0.555	0.667	0.762	0.839	0.896	0.936	0.963	0.979	0.989	0.994
11.40		0.001	0.004	0.012	0.029	0.064	0.119	0.198	0.299	0.413	0.532	0.644	0.743	0.823	0.885	0.928	0.957	0.976	0.987	0.993
11.50		0.001	0.003	0.011	0.028	0.060	0.114	0.191	0.289	0.402	0.520	0.633	0.733	0.815	0.878	0.924	0.954	0.974	0.986	0.992
11.60		0.001	0.003	0.010	0.026	0.057	0.108	0.183	0.279	0.391	0.508	0.622	0.723	0.807	0.872	0.908	0.951	0.972	0.984	0.992
11.80		0.001	0.003	0.009	0.023	0.051	0.099	0.169	0.260	0.369	0.485	0.599	0.702	0.790	0.859	0.909	0.944	0.967	0.982	0.990
12.00		0.001	0.002	0.008	0.020	0.046	0.090	0.155	0.242	0.347	0.462	0.576	0.682	0.772	0.844	0.899	0.937	0.963	0.979	0.988
12.20		0.000	0.002	0.007	0.018	0.041	0.081	0.142	0.225	0.327	0.439	0.553	0.660	0754	0.830	0.887	0.929	0.957	0.975	0.986
12.40			0.002	0.006	0.016	0.036	0.073	0.131	0.209	0.307	0.417	0.530	0.639	0.735	0.814	0.876	0.920	0.951	0.971	0.984
12.50			0.002	0.005	0.015	0.035	0.070	0.125	0.201	0.297	0.406	0.519	0.628	0.725	0.806	0.869	0.916	0.948	0.969	0.983
12.60			0.001	0.005	0.014	0.032	0.066	0.120	0.194	0.288	0.395	0.508	0.617	0.715	0.798	0.863	0.911	0.945	0.967	0.981
12.80			0.001	0.004	0.012	0.029	0.060	0.109	0.179	0.269	0.374	0.485	0.595	0.695	0.781	0.850	0.901	0.938	0.963	0978
13.00			0.001	0.004	0.00	0.026	0.054	0.100	0.166	0.252	0.353	0.463	0.573	0.675	0.764	0.835	0.890	0.930	0.957	0.975
13.20			0.000	0.003	0.009	0.023	0.049	0.091	0.153	0.235	0.333	0.441	0.551	0.655	0.476	0.821	0.879	0.922	0.952	0.971
13.40				0.003	0.008	0.020	0.044	0.083	0.141	0.249	0.319	0.420	0.529	0.634	0.727	0.805	0.867	0.913	0.945	0.967
13.50				0.003	0.008	0.019	0.041	0.079	0.135	0.211	0.304	0.409	0.518	0.623	0.718	0.798	0.861	0.908	0.942	0.965
13.60				0.002	0.007	0.018	0.040	0.075	0.130	0.204	0.295	0.399	0.507	0.613	0.708	0.789	0.854	0.904	0.939	0.963
13.80				0.002	0.006	0.016	0.035	0.069	0.119	0.189	0.277	0.378	0.486	0.592	0.689	0.773	0.841	0.893	0.931	0.958
14.00				0.002	0.005	0.014	0.032	0.062	0.109	0.176	0.260	0.268	0.464	0.570	0.669	0.756	0.827	0.883	0.923	0.952
14.20				0.002	0.005	0.013	0.028	0.056	0.100	0.163	0.243	0.339	0.43	0.549	0.649	0.738	0.813	0.871	0.915	0.946
14.40				0.001	0.004	0.011	0.025	0.051	0.092	0.151	0.228	0.320	0.423	0.528	0.630	0.720	0.797	0.859	0.906	0.940
14.50				0.001	0.004	0.010	0.024	0.048	0.088	0.145	0.220	0.311	0.413	0.518	0.619	0.711	0.790	1.853	0901	0.936
14.60				0.001	0.004	0.010	0.023	0.046	0.084	0.139	0.213	0.302	0.402	0.507	0.609	0.702	0.782	0.847	0896	0.933
14.80				0.001	0.003	0.009	0.020	0.042	0.066	0.129	0.198	0.285	0.383	0.486	0.589	0.683	0.766	0.833	0.886	0.925
15.00				0.001	0.003	0.008	0.018	0.037	0.070	0.118	0.185	0.268	0.363	0.466	0.568	0.664	0.749	0.819	0.875	0.917
15.20				0.000	0.002	0.007	0.016	0.033	0.064	0.109	0.172	0.251	0.344	0.445	0.548	0.645	0.732	0.805	0.864	0.908
15.40					0.002	0.006	0.014	0.030	0.058	0.100	0.160	0.236	0.326	0.425	0.527	0.625	0.714	0.790	0.852	0.899
15.50					0.002	0.006	0.013	0.029	0.055	0.096	0.154	0.228	0.317	0.415	0.517	0.615	0.705	0.782	0.846	0.894
15.60					0.002	0.005	0.013	0.027	0.053	0.092	0.148	0.221	0.308	0.406	0.507	0.606	0.696	0.775	0.839	0.889
15.80					0.002	0.005	0.012	0.025	0.048	0.084	0.137	0.207	0.291	0.386	0.487	0.586	0.678	0.759	0.826	0.879
16.00					0.001	0.004	0.010	0.022	0.043	0.077	0.127	0.193	0.275	0.368	0.467	0.566	0.659	0.742	0.812	0.868
16.20					0.001	0.004	0.009	0.020	0.039	0.071	0.117	0.180	0.259	0.349	0.447	0.546	0.641	0.726	0.798	0.857
16.40					0.001	0.003	0.008	0.018	0.035	0.065	0.108	0.168	0.243	0.331	0.428	0.526	0.622	0.708	0.783	0.845
16.50					0.001	0.003	0.007	0.017	0.034	0.062	0.104	0.162	0.236	0.323	0.418	0.516	0.612	0.700	0.776	0.838
16.60					0.001	0.003	0.007	0.016	0.032	0.059	0.100	0.156	0.228	0.315	0.409	0.507	0.602	0.691	0.768	0832
16.80					0.001	0.002	0.006	0.014	0.029	0.054	0.092	0.145	0.214	0.297	0.390	0.487	0.583	0.673	0.752	0.819
17.00					0.001	0.002	0.005	0.013	0.026	0.049	0.084	0.135	0.201	0.281	0.371	0.468	0.564	0.655	0.736	0.805
17.20					0.001	0.002	0.005	0.011	0.024	0.045	0.078	0.125	0.188	0.265	0.353	0.449	0.545	0.637	0.720	0.791
17.40					0.001	0.002	0.004	0.010	0.021	0.040	0.071	0.116	0.176	0.250	0.336	0.430	0526	0.618	0.703	0.777
17.50					0.000	0.001	0.004	0.009	0.020	0.039	0.068	0.112	0.170	0.243	0.328	0.420	0.516	0.609	0.695	0.769
17.60						0.001	0.003	0.009	0.019	0.037	0.065	0.107	0.164	0.235	0.319	0.411	0.506	0.600	0.686	0.762
17.80						0.001	0.003	0.008	0.017	0.033	0.060	0.099	0.153	0.221	0.303	0.393	0.487	0.581	0.669	0746
18.00						0.001	0.003	0.007	0.015	0.030	0.055	0.092	0.143	0208	0.287	0.375	0469	0.562	0.651	0.731
18.20						0.001	0.003	0.006	0.014	0.027	0.050	0.084	0.133	0.195	0.271	0.358	0.450	0.544	0.633	0.715

LANDA	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
18.40						0.000	0.002	0.006	0.012	0.025	0.046	0.078	0.123	0.183	0.256	0.341	0.432	0.525	0.615	0.698
18.50							0.002	0.005	0.012	0.024	0.044	0.075	0.119	0.177	0.249	0.332	0.423	0.516	0.806	0.690
18.60							0.002	0.005	0.011	0.022	0.042	0.072	0.115	0.171	0.242	0.324	0.414	0.506	0.597	0.681
18.80							0.002	0.004	0.010	0.020	0.038	0.066	0.106	0.160	0.228	0.308	0.396	0.488	0.579	0.664
19.00							0.001	0.004	0.009	0.018	0.035	0.061	0.098	0.150	0.215	0.292	0.37	0.489	0.561	0.647
19.20							0.001	0.003	0.008	0.017	0.031	0.056	0.091	0.140	0.202	0.277	0.361	0.451	0.542	0.630
19.40							0.001	0.003	0.007	0.015	0.029	0.051	0.084	0.130	0.190	0.262	0.345	0.433	0.524	0.612
19.50							0.001	0.003	0.007	0.014	0.027	0.049	0.081	0.126	0.184	0.255	0.336	0.425	0.515	0.603
19.60							0.001	0.003	0.006	0.013	0.026	0.047	0.078	0.121	0.178	0.248	0.328	0.416	0.506	0.595
19.80							0.001	0.002	0.006	0.012	0.024	0.043	0.072	0.113	0.167	0.234	0.312	0.398	0.488	0.577
20.00							0.001	0.002	0.005	0.011	0.021	0.039	0.066	0.105	0.157	0.221	0.297	0.381	0.470	0.559
20.20							0.001	0.002	0.004	0.010	0.019	0.036	0.061	0.097	0.146	0.208	0.282	0.365	0.453	0.541
20.40							0.001	0.002	0.004	0.009	0.018	0.033	0.056	0.090	0.137	0.196	0.268	0.348	0.435	0.524
20.50							0.001	0.002	0.004	0.008	0.017	0.031	0.054	0.087	0.132	0.190	0.260	0.340	0.426	0.515
20.60							0.000	0.001	0.004	0.008	0.016	0.030	0.051	0.084	0.128	0.185	0.254	0.332	0.418	0.506
20.80								0.001	0.003	0.008	0.014	0.027	0.047	0.077	0.119	0.174	0.240	.0317	0.401	0.488
21.00								0.001	0.003	0.006	0.013	0.024	0.043	0.071	0.111	0.163	0.227	0.302	0.384	0.471
21.20								0.001	0.002	0.006	0.012	0.022	0.040	0.066	0.103	0.153	0.214	0.287	0.368	0.454
21.40								0.001	0.002	0.005	0.010	0.020	0.036	0.061	0.096	0.143	0.202	0.273	0.352	0.437
21.50								0.001	0.002	0.005	0.010	0.019	0.035	0.059	0.093	0.139	0.196	0.266	0.344	0.428
21.60								0.001	0.002	0.004	0.009	0.018	0.033	0.056	0.089	0.134	0.191	0.259	0.336	0.420
21.80								0.001	0.002	0.004	0.008	0.017	0.030	0.052	0.083	0.125	0.180	0.245	0.321	0.403
22.00								0.001	0.002	0.003	0.008	0.015	0.028	0.048	0.077	0.117	0.169	0.233	0.306	0.387
22.20								0.000	0.001	0.003	0.007	0.014	0.025	0.044	0.071	0.109	0.159	0.220	0.291	0.371
22.40									0.001	0.003	0.006	0.012	0.023	0.040	0.066	0.102	0.149	0.208	0.277	0.355
22.50									0.001	0.003	0.006	0.011	0.022	0.039	0.063	0.098	0.144	0.202	0.271	0.347
22.60									0.001	0.003	0.006	0.011	0.021	0.037	0.061	0.094	0.140	0.196	0.264	0.340
22.80									0.001	0.002	0.005	0.010	0.019	0.034	0.056	0.088	0.131	0.186	0.254	0.325
23.00									0.001	0.002	0.004	0.009	0.017	0.031	0.052	0.082	0.123	0.175	0.238	0.310
23.20									0.001	0.002	0.004	0.008	0.016	0.028	0.048	0.076	0.115	0.165	0.225	0.296
23.40									0.001	0.002	0.004	0.007	0.014	0.026	0.044	0.071	0.107	0.155	1.213	0.282
23.50									0.000	0.001	0.003	0.007	0.014	0.025	0.042	0.068	0.104	0.150	0.208	0.275
23.60										0.001	0.003	0.007	0.013	0.024	0.041	0.066	0.100	0.146	0.202	0.268
23.80										0.001	0.003	0.006	0.012	0.022	0.037	0.061	0.093	0.137	0.191	0.255
24.00										0.001	0.003	0.005	0.011	0.020	0.034	0.056	0.087	0.128	0.180	0.243
24.20										0.001	0.002	0.005	0.010	0.018	0.032	0.052	0.081	0.120	0.170	0.230
24.40										0.001	0.002	0.004	0.009	0.017	0.029	0.048	0.075	0.113	0.160	0.249
24.50										0.001	0.002	0.004	0.008	0.016	0.028	0.046	0.073	0.109	0.156	0.213
24.60										0.001	0.002	0.004	0.008	0.015	0.027	0.044	0.070	0.105	0.151	0.207
24.80										0.001	0.002	0.004	0.007	0.014	0.024	0.041	0.065	0.099	0.142	0.196
25.00										0.000	0.001	0.003	0.006	0.012	0.022	0.038	0.060	0.092	0.134	0.185

Tabla 9. Distribución t de Student.

Distribución t de Student							
gl	**0.75**	**0.90**	**0.95**	**0.975**	**0.99**	**0.995**	**0.9995**
1	1.000	3.078	6.314	12.706	31.821	63.657	636.619
2	0.816	1.886	2.920	4.303	6.965	9.925	31.598
3	0.765	1.638	2.353	3.182	4.541	5.841	12.941
4	0.741	1.533	2.132	2.776	3.747	4.604	8.610
5	0.727	1.476	2.015	2.571	3.365	4.032	6.859
6	0.718	1.440	1.943	2.447	3.143	3.707	5.959
7	0.711	1.415	1.895	2.365	2.998	3.499	5.405
8	0.706	1.397	1.860	2.306	2.896	3.355	5.041
9	0.703	1.383	1.833	2.262	2.821	3.250	4.781
10	0.700	1.372	1.812	2.228	2.764	3.169	4.587
11	0.697	1.363	1.796	2.201	2.718	3.106	4.437
12	0.695	1.356	1.782	2.179	2.681	3.055	4.318
13	0.694	1.350	1.771	2.160	2.650	3.012	4.221
14	0.692	1.345	1.761	2.145	2.624	2.977	4.140
15	0.691	1.341	1.753	2.131	2.602	2.947	4.073
16	0.690	1.337	1.746	2.120	2.583	2.921	4.015
17	0.689	1.333	1.740	2.110	2.567	2.898	3.965
18	0.688	1.330	1.734	2.101	2.552	2.878	3.922
19	0.688	1.328	1.729	2.093	2.539	2.861	3.883
20	0.687	1.325	1.725	2.086	2.528	2.845	3.850
21	0.686	1.323	1.721	2.080	2.518	2.831	3.819
22	0.686	1.321	1.717	2.074	2.508	2.819	3.792
23	0.685	1.319	1.714	2.069	2.500	2.807	3.767
24	0.685	1.318	1.711	2.064	2.492	2.797	3.745
25	0.684	1.316	1.708	2.060	2.485	2.787	3.725
26	0.684	1.315	1.706	2.056	2.479	2.779	3.707
27	0.684	1.314	1.703	2.052	2.473	2.771	3.690
28	0.683	1.313	1.701	2.048	2.467	2.763	3.674
29	0.683	1.311	1.699	2.045	2.462	2.756	3.659
30	0.683	1.310	1.697	2.042	2.457	2.750	3.646
40	0.681	1.303	1.684	2.021	2.423	2.704	3.551
60	0.679	1.296	1.671	2.000	2.390	2.660	3.460
120	0.677	1.289	1.658	1.980	2.358	2.617	3.373

Tabla 10. Puntos Porcentuales del Estadístico Rango Estudentizado (5%) para la Prueba de Tukey

	p														
f	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	18.10	26.70	32.8	37.20	40.50	43.10	45.40	47.30	49.10	50.60	51.90	53.20	54.30	55.40	56.30
2	6.09	8.28	9.80	10.89	11.73	12.43	13.03	13.54	13.99	14.39	14.75	15.08	15.38	15.65	15.90
3	4.50	5.88	6.83	7.51	8.04	8.47	8.85	9.18	9.46	9.72	9.95	10.16	10.35	10.52	10.60
4	3.93	5.00	5.76	6.31	6.73	7.06	7.35	7.60	7.83	8.03	8.21	8.37	8.52	8.67	8.80
5	3.61	4.54	5.18	5.64	5.99	6.28	6.52	6.74	6.93	7.10	7.25	7.39	7.52	7.64	7.75
6	3.46	4.34	4.90	5.31	5.63	5.89	6.12	6.32	6.49	6.65	6.79	6.92	7.04	7.14	7.24
7	3.34	4.16	4.68	5.06	5.35	5.59	5.80	5.99	6.15	6.29	6.42	6.54	6.65	6.75	6.84
8	3.26	4.04	4.53	4.89	5.17	5.40	5.60	5.77	5.92	6.05	6.18	6.29	6.39	6.48	6.57
9	3.20	3.95	4.42	4.76	5.02	5.24	5.43	5.60	5.74	5.87	5.98	6.09	6.19	6.28	6.36
10	3.15	3.88	4.33	4.66	4.91	5.12	5.30	5.46	5.60	5.72	5.83	5.93	6.03	6.12	6.20
11	3.11	3.82	4.26	4.58	4.82	5.03	5.20	5.35	5.49	5.61	5.71	5.81	5.90	5.98	6.06
12	3.08	3.77	4.20	4.51	4.75	4.95	5.12	5.27	5.40	5.51	5.61	5.71	5.80	5.88	5.95
13	3.06	3.73	4.15	4.46	4.69	4.88	5.05	5.19	5.32	5.43	5.53	5.63	5.71	5.79	5.86
14	3.03	3.70	4.11	4.41	4.64	4.83	4.99	5.13	5.25	5.36	5.46	5.56	5.64	5.72	5.79
15	3.01	3.67	4.08	4.37	4.59	4.78	4.94	5.08	5.20	5.31	5.40	5.49	5.57	5.65	5.72
16	3.00	3.65	4.05	4.34	4.56	4.74	4.90	5.03	5.15	5.26	5.35	5.44	5.52	5.59	5.66
17	2.98	3.62	4.02	4.31	4.52	4.70	4.86	4.99	5.11	5.21	5.31	5.39	5.47	5.55	5.61
18	2.97	3.61	4.00	4.28	4.49	4.67	4.83	4.96	5.07	5.17	5.27	5.35	5.43	5.50	5.57
19	2.96	3.59	3.98	4.26	4.47	4.64	4.79	4.92	5.04	5.14	5.23	5.32	5.39	5.46	5.53
20	2.95	3.58	3.96	4.24	4.45	4.62	4.77	4.90	5.01	5.11	5.20	5.28	5.36	5.43	5.50
24	2.92	3.53	3.90	4.17	4.37	4.54	4.68	4.81	4.92	5.01	5.10	5.18	5.25	5.32	5.38
30	2.89	3.48	3.84	4.11	4.30	4.46	4.60	4.72	4.83	4.92	5.00	5.08	5.15	5.21	5.27
40	2.86	3.44	3.79	4.04	4.23	4.39	4.52	4.63	4.74	4.82	4.90	4.98	5.05	5.11	5.17
60	2.83	3.40	3.74	3.98	4.16	4.31	4.44	4.55	4.65	4.73	4.81	4.88	4.94	5.00	5.06
120	2.80	3.36	3.69	3.92	4.10	4.24	4.36	4.47	4.56	4.64	4.71	4.78	4.84	4.90	4.95
∞	2.77	3.32	3.63	3.86	4.03	4.17	4.29	4.39	4.47	4.55	4.62	4.68	4.74	4.80	4.84

Tabla 11. Sumas de probabilidades binomial $\sum b(x;n,p)$
X=0

		p									
n	r	.10	.20	.25	.30	.40	.50	.60	.70	.80	.90
1	0	.9000	.8000	.7500	.7000	.6000	.5000	.4000	.3000	.2000	.1000
	1	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
2	0	.8100	.6400	.5625	.4900	.3600	.2500	.1600	.0900	.0400	.0100
	1	.9900	.9600	.9375	.9100	.8400	.7500	.6400	.5100	.3600	.1900
	2	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
3	0	.7290	.5120	.4219	.3430	.2160	.1250	.0640	.0270	.0080	.0010
	1	.9720	.8960	.8438	.7840	.6480	.5000	.3520	.2160	.1040	.0280
	2	.9990	.9920	.9844	.9730	.9360	.8750	.7840	.6570	.4880	.2710
	3	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
4	0	.6561	.4096	.3164	.2401	.1296	.0625	.0256	.0081	.0016	.0001
	1	.9477	.8192	.7383	.6517	.4752	.3125	.1792	.0837	.0272	.0037
	2	.9963	.9728	.9492	.9163	.8208	.6875	.5248	.3483	.1808	.0523
	3	.9999	.9984	.9961	.9919	.9744	.9375	.8704	.7599	.5904	.3439
	4	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
5	0	.5905	.3277	.2373	.1681	.0778	.0312	.0102	.0024	.0003	.0000
	1	.9185	.7373	.6328	.5282	.3370	.1875	.0870	.0308	.0067	.0005
	2	.9914	.9421	.8965	.8369	.6826	.5000	.3174	.1631	.0579	.0086
	3	.9995	.9933	.9844	.9692	.9130	.8125	.6630	.4718	.2627	.0815
	4	1.000	.9997	.9990	.9976	.9898	.9688	.9222	.8319	.6723	.4095
	5		1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
6	0	.5314	.2621	.1780	.1176	.0467	.0156	.0041	.0007	.0001	.0000
	1	.8857	.6554	.5339	.4202	.2333	.1094	.0410	.0109	.0016	.0001
	2	.9841	.9011	.8306	.7443	.5443	.3438	.1792	.0705	.0170	.0013
	3	.9987	.9830	.9624	.9295	.8208	.6563	.4557	.2557	.0989	.0158
	4	.9999	.9984	.9954	.9891	.9590	.8906	.7667	.5798	.3447	.1143
	5	1.000	.9999	.9998	.9993	.9959	.9844	.9533	.8824	.7379	.4686
	6		1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000
7	0	.4783	.2097	.1335	.0824	.0280	.0078	.0016	.0002	.0000	
	1	.8503	.5767	.4449	.3294	.1586	.0625	.0188	.0038	.0004	.0000
	2	.9743	.8520	.7564	.6471	.4199	.2266	.0963	.0288	.0047	.0002
	3	.9973	.9667	.9294	.8740	.7102	.5000	.2898	.1260	.0333	.0027
	4	.9998	.9953	.9871	.9712	.9037	.7734	.5801	.3529	.1480	.0257
	5	1.000	.9996	.9987	.9962	.9812	.9375	.8414	.6706	.4233	.1497
	6		1.000	.9999	.9998	.9984	.9922	.9720	.9176	.7903	.5217
	7			1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000

Tabla 11. (continuación) Sumas de probabilidades binomial $\sum b(x;n,p)$
X=0

		p									
n	r	.10	.20	.25	.30	.40	.50	.60	.70	.80	.90
8	0	.4305	.1678	.1001	.0576	.0168	.0039	.0007	.0001	.0000	
	1	.8131	.5033	.3671	.2553	.1064	.0352	.0085	.0013	.0001	
	2	.9619	.7969	.6785	.5518	.3154	.1445	.0498	.0113	.0012	.0000
	3	.9950	.9437	.8862	.8059	.5941	.3633	.1737	.0580	.0104	.0004
	4	.9996	.9896	.9727	.9420	.8263	.6367	.4059	.1941	.0563	.0050
	5	1.000	.9988	.9958	.9887	.9502	.8555	.6846	.4482	.0203	.0381
	6		.9991	.9996	.9987	.9915	.9648	.8936	.7447	.4967	.1869
	7		1.000	1.000	.9999	.9993	.9961	.9832	.9424	.8322	.5695
	8				1.000	1.000	1.000	1.000	1.000	1.000	1.000
9	0	.3784	.1342	.0751	.0404	.0101	.0020	.0003	.0000		
	1	.7748	.4362	.3003	.1960	.0705	.0195	.0038	.0004	.0000	
	2	.9470	.7382	.6007	.4628	.2318	.0898	.0250	.0043	.0003	.0000
	3	.9917	.9144	.8343	.7297	.4826	.2539	.0994	.0253	.0031	.0001
	4	.9991	.9804	.9511	.9012	.7334	.5000	.2666	.0988	.0196	.0009
	5	.9999	.9969	.9900	.9747	.9006	.7461	.5174	.2703	.0856	.0083
	6	1.000	.9997	.9987	.9957	.9750	.9102	.7682	.5372	.2618	.0530
	7		1.000	.9999	.9996	.9962	.9805	.9295	.8040	.5638	.2252
	8			1.000	1.000	.9997	.9980	.9899	.9596	.8658	.6126
	9					1.000	1.000	1.000	1.000	1.000	1.000
10	0	.3487	.1074	.0563	.0282	.0060	.0010	.0001	.0000		
	1	.7361	.3758	.2440	.1493	.0464	.0107	.0017	.0001	.0000	
	2	.9298	.6778	.5256	.3828	.1673	.0547	.0123	.0016	.0001	
	3	.9872	.8791	.7759	.6496	.3823	.1719	.0548	.0106	.0009	.0000
	4	.9984	.9672	.9219	.8497	.6331	.3770	.1662	.0474	.0064	.0002
	5	.9999	.9936	.9803	.9527	.8338	.6230	.3669	.1503	.0328	.0016
	6	1.000	.9991	.9965	.9894	.9452	.8281	.6177	.3504	.1209	.0128
	7		.9999	.9996	.9984	.9877	.9453	.8327	.6172	.3222	.0702
	8		1.000	1.000	.9999	.9983	.9893	.9536	.8507	.6242	.2639
	9				1.000	.9999	.9990	.9940	.9718	.8926	.6513
	1 0					1.000	1.000	1.000	1.000	1.000	1.000

Tabla 11. (continuación) Sumas de probabilidades binomial $\sum b(x;n,p)$

		p									
n	r	.10	.20	.25	.30	.40	.50	.60	.70	.80	.90
11	0	.3138	.0859	.0422	.0198	.0036	.0005	.0000			
	1	.6974	.3221	.1971	.1130	.0302	.0059	.0007	.0000		
	2	.9104	.6174	.4552	.3127	.1189	.0327	.0059	.0006	.0000	
	3	.9815	.8369	.7133	.5696	.2963	.1133	.0293	.0043	.0002	
	4	.9972	.9496	.8854	.7897	.5328	.2744	.0994	.0216	.0020	.0000
	5	.9997	.9883	.9657	.9218	.7535	.5000	.2465	.0782	.0117	.0003
	6	1.000	.9980	.9924	.9784	.9006	.7256	.4672	.2103	.0504	.0028
	7		.9998	.9988	.9957	.9707	.8867	.7037	.4304	.1611	.0185
	8		1.000	.9999	.9994	.9941	.9673	.8811	.6873	.3826	.0896
	9			1.000	1.000	.9993	.9941	.9698	.8870	.6779	.3026
	10					1.000	.9995	.9964	.9802	.9141	.6862
	11						1.000	1.000	1.000	1.000	1.000
12	0	.2824	.0687	.0317	.0138	.0022	.0002	.0000			
	1	.6590	.2749	.1584	.0850	.0196	.0032	.0003	.0000		
	2	.8891	.5583	.3907	.5228	.0834	.0730	.0028	.0002	.0000	
	3	.9744	.7946	.6488	.4925	.2253	.1938	.0153	.0017	.0001	
	4	.9957	.9274	.8424	.7237	.4382	.3872	.0573	.0095	.0006	.0000
	5	.9995	.9806	.9456	.8821	.6652	.6128	.1582	.0386	.0039	.0001
	6	.9999	.9961	.9857	.9614	.8418	.8062	.3348	.1178	.0194	.0005
	7	1.000	.9994	.9972	.9905	.9427	.9270	.5618	.2763	.0726	.0043
	8		.9999	.9996	.9983	.9487	.9807	.7747	.5075	.2054	.0256
	9		1.000	1.000	.9998	.9972	.9968	.9166	.7472	.4417	.1109
	10				1.000	.9997	.9998	.9804	.9150	.7251	.3410
	11					1.000	1.000	.9978	.9862	.9313	.7176
	12							1.000	1.000	1.000	1.000
13	0	.2542	.0550	.0238	.0097	.0013	.0001	.0000			
	1	.6213	.2336	.1267	.0637	.0126	.0017	.0001	.0000		
	2	.8661	.5017	.3326	.2025	.0579	.0012	.0013	.0001		
	3	.9658	.7473	.5843	.4206	.1686	.0461	.0078	.0007	.0000	
	4	.9935	.9009	.7940	.6543	.3530	.1334	.0321	.0040	.0002	
	5	.9991	.9700	.9198	.8346	.5744	.2905	.0977	.0182	.0012	.0000
	6	.9999	.9930	.9757	.9376	.7712	.5000	.2288	.0624	.0070	.0001
	7	1.000	.9980	.9944	.9818	.9023	.7095	.4256	.1654	.0300	.0009
	8		.9998	.9990	.9960	.9679	.8666	.6470	.3457	.0991	.0065
	9		1.000	.9999	.9993	.9922	.9513	.8314	.5794	.2527	.0342
	10			1.000	.9999	.9987	.9888	.9421	.7975	.4983	.1339
	11				1.000	.9999	.9983	.9874	.9363	.7664	.3787
	12					1.000	.9999	.9987	.9903	.9450	.7458
	13						1.000	1.000	1.000	1.000	1.000

Tabla 11. (continuación) Sumas de probabilidades binomial $\sum b(x;n,p)$

		p									
n	r	.10	.20	.25	.30	.40	.50	.60	.70	.80	.90
14	0	.2288	.0440	.0178	.0068	.0008	.0001	.0000			
	1	.5846	.1979	.1010	.0475	.0081	.0009	.0001			
	2	.8416	.4481	.2811	.1608	.0398	.0065	.0006	.0000		
	3	.9559	.6982	.5213	.3552	.1243	.0287	.0039	.0002		
	4	.9908	.8702	.7415	.5842	.2793	.0898	.0175	.0017	.0000	
	5	.9985	.9561	.8883	.7805	.4859	.2120	.0583	.0083	.0004	
	6	.9998	.9884	.9617	.9067	.6925	.3953	.1501	.0315	.0024	.0000
	7	1.000	.9976	.9897	.9685	.8499	.6047	.3075	.0933	.0016	.0002
	8		.9996	.9978	.9917	.9417	.7880	.5141	.2195	.0439	.0015
	9		1.000	.9997	.9983	.9825	.9102	.7207	.4158	.1298	.0092
	10			1.000	.9998	.9961	.9713	.8757	.6448	.3018	.0441
	11				1.000	.9994	.9935	.9602	.8392	.5519	.1584
	12					.9999	.9991	.9919	.9525	.8021	.4154
	13					1.000	.9999	.9992	.9932	.9560	.7712
	14						1.000	1.000	1.000	1.000	1.000
15	0	.2059	.0352	.0134	.0047	.0005	.0000				
	1	.5490	.1671	.0802	.0353	.0052	.0005	.0000			
	2	.8159	.3980	.2361	.1268	.0271	.0037	.0003	.0000		
	3	.9444	.6482	.4613	.2969	.0905	.0176	.0019	.0001		
	4	.9873	.8358	.6865	.5155	.2173	.0592	.0094	.0007	.0000	
	5	.9978	.9389	.8516	.7216	.4032	.1509	.0338	.0037	.0001	
	6	.9997	.9819	.9434	.8689	.6098	.3036	.0951	.0152	.0008	
	7	1.000	.9958	.9827	.9500	.7869	.5000	.2131	.0500	.0042	.0000
	8		.9992	.9958	.9848	.9050	.6964	.3902	.1311	.0181	.0003
	9		.9999	.9992	.9963	.9662	.8491	.5968	.2784	.0611	.0023
	10		1.000	.9999	.9993	.9907	.9408	.7827	.4845	.1642	.0127
	11			1.000	.9999	.9981	.9824	.9095	.7031	.3518	.0556
	12				1.000	.9997	.9963	.9729	.8732	.6020	.1841
	13					1.000	.9995	.9948	.9647	.8329	.4510
	14						1.000	.9995	.9953	.9648	.7941
	15							1.000	1.000	1.000	1.000

Tabla 11. (continuación) Sumas de probabilidades binomial $\sum b(x;n,p)$

		p									
n	r	.10	.20	.25	.30	.40	.50	.60	.70	.80	.90
16	0	.1853	.0281	.0100	.0033	.0003	.0000				
	1	.5147	.1407	.0635	.0261	.0033	.0003	.0000			
	2	.7892	.3518	.1971	.0994	.0183	.0021	.0001			
	3	.9316	.5981	.4050	.2459	.0651	.0106	.0009	.0000		
	4	.9830	.7982	.6302	.4499	.1666	.0384	.0049	.0003		
	5	.9967	.9183	.8103	.6598	.3288	.1051	.0191	.0016	.0000	
	6	.9995	.9733	.9204	.8247	.5272	.2272	.0583	.0071	.0002	
	7	.9999	.9930	.9729	.9256	.7161	.4018	.1423	.0257	.0015	.0000
	8	1.000	.9985	.9925	.9743	.8577	.5982	.2839	.0744	.0070	.0001
	9		.9998	.9984	.9929	.9417	.7728	.4728	.1753	.0267	.0005
	10		1.000	.9997	.9984	.9809	.8949	.6712	.3402	.0817	.0033
	11			1.000	.9997	.9951	.9616	.8334	.5501	.2018	.0170
	12				1.000	.9991	.9894	.9349	.7541	.4019	.0684
	13					.9999	.9979	.9817	.9006	.6482	.2108
	14					1.000	.9997	.9967	.9739	.8593	.4853
	15						1.000	.9997	.9967	.9719	.8147
	16							1.000	1.000	1.000	1.000
17	0	.1668	.0225	.0075	.0023	.0002	.0000				
	1	.4818	.1182	.0501	.0193	.0021	.0001	.0000			
	2	.7618	.3096	.1637	.0774	.0123	.0012	.0001			
	3	.9174	.5489	.3530	.2019	.0464	.0064	.0005	.0000		
	4	.9779	.7582	.5739	.3887	.1260	.0245	.0025	.0001		
	5	.9953	.8943	.7653	.5698	.2639	.0717	.0106	.0007	.0000	
	6	.9992	.9623	.8929	.7752	.4478	.1662	.0348	.0032	.0001	
	7	.9999	.9891	.9598	.8954	.6405	.3145	.0919	.0127	.0005	
	8	1.000	.9974	.9876	.9597	.8011	.5000	.1989	.0403	.0026	.0000
	9		.9995	.9969	.9873	.9081	.6855	.3595	.1046	.0109	.0001
	10		.9999	.9994	.9968	.9652	.8338	.5522	.2248	.0377	.0008
	11		1.000	.9999	.9993	.9894	.9283	.7361	.4032	.1057	.0047
	12			1.000	.9999	.9975	.9755	.8740	.6113	.2418	.0221
	13				1.000	.9995	.9936	.9536	.7981	.4511	.0826
	14					.9999	.9988	.9877	.9226	.6904	.2382
	15					1.000	.9999	.9979	.9807	.8818	.5182
	16						1.000	.9998	.9977	.9975	.8332
	17							1.000	1.000	1.000	1.000

Tabla 11. (continuación) Sumas de probabilidades binomial $\sum b(x;n,p)$

		p									
n	r	.10	.20	.25	.30	.40	.50	.60	.70	.80	.90
18	0	.0501	.0180	.0056	.0016	.0001	.0000				
	1	.4503	.0991	.0395	.0142	.0013	.0001				
	2	.7338	.2713	.1353	.0600	.0082	.0007	.0000			
	3	.9018	.5010	.3057	.1646	.0328	.0038	.0002			
	4	.9718	.7164	.5787	.3327	.0942	.0154	.0013	.0000		
	5	.9936	.8671	.7175	.5344	.2088	.0481	.0058	.0003		
	6	.9988	.9487	.8610	.7217	.3743	.1189	.0203	.0014	.0000	
	7	.9998	.9837	.9431	.8593	.5634	.2403	.0576	.0061	.0002	
	8	1.000	.9957	.9807	.9404	.7368	.4073	.1347	.0210	.0009	
	9		.9991	.9946	.9790	.8653	.5927	.2632	.0596	.0043	.0000
	10		.9998	.9988	.9939	.9424	.7597	.4366	.1407	.0163	.0002
	11		1.000	.9998	.9986	.9797	.8811	.6257	.2783	.0513	.0012
	12			1.000	.9997	.9942	.9519	.7912	.4656	.1329	.0064
	13				1.000	.9987	.9846	.9058	.6673	.2836	.0282
	14					.9998	.9962	.9672	.8354	.4990	.0982
	15					1.000	.9993	.9918	.9940	.7287	.2662
	16						.9999	.9987	.9858	.9009	.5497
	17						1.000	.9999	.9984	.9820	.8499
	18							1.000	1.000	1.000	1.000
19	0	.1351	.0144	.0042	.0011	.0001					
	1	.4203	.0829	.0310	.0104	.0008	.0000				
	2	.7054	.2369	.1113	.0462	.0055	.0004	.0000			
	3	.8850	.4551	.2631	.1332	.0230	.0022	.0001			
	4	.9648	.6733	.4654	.2822	.0696	.0096	.0006	.0000		
	5	.9914	.8369	.6678	.4739	.1629	.0318	.0031	.0001		
	6	.993	.9324	.8251	.6655	.3081	.0835	.0116	.0006		
	7	.9997	.9767	.9225	.8180	.4878	.1796	.0352	.0028	.0000	
	8	1.000	.9933	.9713	.9161	.6675	.3238	.0885	.0105	.0003	
	9		.9984	.9911	.9674	.8139	.5500	.1861	.0326	.0016	
	10		.9997	.9977	.9895	.9115	.6762	.3325	.0839	.0067	.0000
	11		.9999	.9995	.9972	.9648	.8204	.5122	.1820	.0233	.0003
	12		1.000	.9999	.9994	.9884	.9165	.6919	.3345	.0676	.0017
	13			1.000	.9999	.9969	.9682	.8371	.5261	.1631	.0086
	14				1.000	.9994	.9904	.9304	.7178	.3267	.0352
	15					.9999	.9978	.9770	.8668	.5449	.1150
	16					1.000	.9996	.9945	.9538	.7631	.2946
	17						1.000	.9992	.9896	.9171	.5797
	18							.9999	.9989	.9856	.8649
	19							1.000	1.000	1.000	1.000

Tabla 11. (continuación) Sumas de probabilidades binomial $\sum b(x;n,p)$

		p									
n	r	.10	.20	.25	.30	.40	.50	.60	.70	.80	.90
20	0	.1216	.0115	.0032	.0008	.0000					
	1	.3917	.0692	.0243	.0076	.0005	.0000				
	2	.6769	.2061	.0913	.0355	.0036	.0002	.0000			
	3	.8670	.4114	.2252	.1071	.0160	.0013	.0001			
	4	.9568	.6296	.4148	.2375	.0510	.0059	.0003			
	5	.9887	.8042	.6172	.4164	.1256	.0207	.0016	.0000		
	6	.9976	.9133	.7858	.6080	.2500	.0577	.0065	.0003		
	7	.9996	.9679	.8982	.7723	.4159	.1316	.0210	.0013	.0000	
	8	.9999	.9900	.9591	.8867	.5956	.2517	.0565	.0051	.0001	
	9	1.000	.9974	.9861	.9520	.7553	.4119	.1275	.0171	.0006	
	10		.9994	.9961	.9829	.8725	.5881	.2447	.0480	.0026	.0000
	11		.9999	.9991	.9949	.9435	.7483	.4044	.1133	.0100	.0001
	12		1.000	.9998	.9987	.9790	.8684	.5841	.2277	.0321	.0004
	13			1.000	.9997	.9935	.9423	.7500	.3920	.0867	.0024
	14				1.000	.9984	.9793	.8744	.5836	.1958	.0113
	15					.9997	.9941	.9490	.7625	.3704	.0432
	16					1.000	.9987	.9840	.8929	.5886	.1330
	17						.9998	.9964	.9645	.7939	.3231
	18						1.000	.9995	.9924	.9308	.6083
	19							1.000	.9992	.9885	.8784
	20								1.000	1.000	1.000