TABLAS ESTADÍSTICAS.

ESTADÍSTICA I 2.

Tabla 1
Función de Distribución Binomial

						P						
n	X	0.01	0.05	0.10	0.15	0.20	0.25	0.30	0.35	0.40	0.45	0.50
2	0	0.9801	0.9025	0.8100	0.7225	0.6400	0.5625	0.4900	0.4225	0.3600	0.3025	0.2500
	1	0.9999	0.9975	0.9900	0.9775	0.9600	0.9375	0.9100	0.8775	0.8400	0.7975	0.7500
	2	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
3	0	0.9703	0.8574	0.7290	0.6141	0.5120	0.4219	0.3430	0.2746	0.2160	0.1664	0.1250
	1	0.9997	0.9928	0.9720	0.9392	0.8960	0.8438	0.7840	0.7183	0.6480	0.5748	0.5000
	2	1.0000	0.9999	0.9990	0.9966	0.9920	0.9844	0.9730	0.9571	0.9360	0.9089	0.8750
4	3	0.9606	1.0000 0.8145	1.0000 0.6561	1.0000 0.5220	1.0000 0.4096	1.0000 0.3164	1.0000 0.2401	1.0000 0.1785	1.0000 0.1296	1.0000 0.0915	1.0000 0.0625
4	0 1	0.9000	0.8143	0.0301	0.3220	0.4090	0.7383	0.6517	0.1783	0.1290	0.3910	0.0025
	2	1.0000	0.9995	0.9963	0.9880	0.9728	0.9492	0.9163	0.8735	0.8208	0.7585	0.6875
	3	1.0000	1.0000	0.9999	0.9995	0.9984	0.9961	0.9919	0.9850	0.9744	0.9590	0.9375
	4	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
5	0	0.9510	0.7738	0.5905	0.4437	0.3277	0.2373	0.1681	0.1160	0.0778	0.0503	0.0313
	1	0.9990	0.9774	0.9185	0.8352	0.7373	0.6328	0.5282	0.4284	0.3370	0.2562	0.1875
	2	1.0000	0.9988 1.0000	0.9914 0.9995	0.9734 0.9978	0.9421 0.9933	0.8965 0.9844	0.8369 0.9692	0.7648 0.9460	0.6826 0.9130	0.5931 0.8688	0.5000 0.8125
	4	1.0000	1.0000	1.0000	0.9999	0.9997	0.9990	0.9092	0.9400	0.9130	0.9815	0.9688
	5	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
6	0	0.9415	0.7351	0.5314	0.3771	0.2621	0.1780	0.1176	0.0754	0.0467	0.0277	0.0156
	1	0.9985	0.9672	0.8857	0.7765	0.6554	0.5339	0.4202	0.3191	0.2333	0.1636	0.1094
	2	1.0000	0.9978	0.9842	0.9527	0.9011	0.8306	0.7443	0.6471	0.5443	0.4415	0.3438
	3 4	1.0000	0.9999	0.9987	0.9941 0.9996	0.9830 0.9984	0.9624 0.9954	0.9295 0.9891	0.8826	0.8208 0.9590	0.7447 0.9308	0.6563 0.8906
	5	1.0000	1.0000	1.0000	1.0000	0.9999	0.9934	0.9993	0.9777	0.9350	0.9308	0.8900
	6	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
7	0	0.9321	0.6983	0.4783	0.3206	0.2097	0.1335	0.0824	0.0490	0.0280	0.0152	0.0078
	1	0.9980	0.9556	0.8503	0.7166	0.5767	0.4449	0.3294	0.2338	0.1586	0.1024	0.0625
	2	1.0000	0.9962	0.9743	0.9262	0.8520	0.7564	0.6471	0.5323	0.4199	0.3164	0.2266
	3	1.0000	0.9998	0.9973	0.9879	0.9667	0.9294	0.8740	0.8002	0.7102	0.6083	0.5000
	4	1.0000	1.0000	0.9998	0.9988	0.9953	0.9871	0.9712	0.9444	0.9037	0.8471	0.7734
	5 6	1.0000	1.0000	1.0000	0.9999	0.9996 1.0000	0.9987	0.9962 0.9998	0.9910 0.9994	0.9812 0.9984	0.9643	0.9375 0.9922
	7	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
8	ó	0.9227	0.6634	0.4305	0.2725	0.1678	0.1001	0.0576	0.0319	0.0168	0.0084	0.0039
U	1	0.9973	0.9428	0.8131	0.6572	0.5033	0.3671	0.2553	0.1691	0.1064	0.0632	0.0352
	2	0.9999	0.9942	0.9619	0.8948	0.7969	0.6785	0.5518	0.4278	0.3154	0.2201	0.1445
	3	1.0000	0.9996	0.9950	0.9786	0.9437	0.8862	0.8059	0.7064	0.5941	0.4770	0.3633
	4	1.0000	1.0000	0.9996	0.9971	0.9896	0.9727	0.9420	0.8939	0.8263	0.7396	0.6367
	5	1.0000	1.0000	1.0000	0.9998	0.9988	0.9958	0.9887	0.9747	0.9502	0.9115	0.8555
	6	1.0000	1.0000	1.0000	1.0000	0.9999	0.9996	0.9987	0.9964	0.9915	0.9819	0.9648
	7	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.9999	0.9998	0.9993	0.9983	0.9961
	8	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
9	0	0.9135	0.6302 0.9288	0.3874 0.7748	0.2316 0.5995	0.1342 0.4362	0.0751 0.3003	0.0404 0.1960	0.0207 0.1211	0.0101 0.0705	0.0046 0.0385	0.0020 0.0195
	1 2	0.9966	0.9288	0.7748	0.3993	0.4362	0.6007	0.1960	0.1211	0.0703	0.0383	0.0193
	3	1.0000	0.9910	0.9470	0.8591	0.7382	0.8343	0.7297	0.6089	0.2316	0.3614	0.0636
	4	1.0000	1.0000	0.9991	0.9944	0.9804	0.0543	0.9012	0.8283	0.7334	0.6214	0.5000
	5	1.0000	1.0000	0.9999	0.9994	0.9969	0.9900	0.9747	0.9464	0.9006	0.8342	0.7461
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n	X	0.01	0.05	0.10	0.15	0.20	0.25	0.30	0.35	0.40	0.45	0.50
9	6	1.0000	1.0000	1.0000	1.0000	0.9997	0.9987	0.9957	0.9888	0.9750	0.9502	0.9102
	7	1.0000	1.0000	1.0000	1.0000	1.0000	0.9999	0.9996	0.9986	0.9962	0.9909	0.9805
	8	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.9999	0.9997	0.9992	0.9980
	9	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
10	0	0.9044	0.5987	0.3487	0.1969	0.1074	0.0563	0.0282	0.0135	0.0060	0.0025	0.0010
	1	0.9957	0.9139	0.7361	0.5443	0.3758	0.2440	0.1493	0.0860	0.0464	0.0233	0.0107
	2	0.9999	0.9885	0.9298	0.8202	0.6778	0.5256	0.3828	0.2616	0.1673	0.0996	0.0547
	3	1.0000	0.9990	0.9872	0.9500	0.8791	0.7759	0.6496	0.5138	0.3823	0.2660	0.1719
	4	1.0000	0.9999	0.9984	0.9901	0.9672	0.9219	0.8497	0.7515	0.6331	0.5044	0.3770
	5	1.0000	1.0000	0.9999	0.9986	0.9936	0.9803	0.9527	0.9051	0.8338	0.7384	0.6230
	6	1.0000	1.0000	1.0000	0.9999	0.9991	0.9965	0.9894	0.9740	0.9452	0.8980	0.8281
	7	1.0000	1.0000	1.0000	1.0000	0.9999	0.9996	0.9984	0.9952	0.9877	0.9726	0.9453
	8	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.9999	0.9995	0.9983	0.9955	0.9893
	9	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.9999	0.9997 1.0000	0.9990
11	10	1.0000	1.0000	1.0000 0.3138	1.0000 0.1673	1.0000	1.0000 0.0422	1.0000	1.0000	1.0000	0.0014	
11	0	0.8953 0.9948	0.5688 0.8981	0.5138	0.1673	0.0839	0.0422	0.0198	0.0606	0.0030	0.0014	0.0005 0.0059
	1 2	0.9948	0.9848	0.0974	0.4922	0.3221	0.1971	0.1130	0.2001	0.0302	0.0139	0.0039
	3	1.0000	0.9984	0.9104	0.7788	0.8389	0.4332	0.5696	0.4256	0.1169	0.0032	0.0327
	4	1.0000	0.9999	0.9813	0.9841	0.8389	0.7133	0.7897	0.4230	0.5328	0.1911	0.1133
	5	1.0000	1.0000	0.9997	0.9973	0.9883	0.9657	0.7657	0.8513	0.7535	0.6331	0.5000
	6	1.0000	1.0000	1.0000	0.9997	0.9980	0.9924	0.9784	0.9499	0.9006	0.8262	0.7256
	7	1.0000	1.0000	1.0000	1.0000	0.9998	0.9988	0.9957	0.9878	0.9707	0.9390	0.8867
	8	1.0000	1.0000	1.0000	1.0000	1.0000	0.9999	0.9994	0.9980	0.9941	0.9852	0.9673
	9	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.9998	0.9993	0.9978	0.9941
	10	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.9998	0.9995
	11	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
12	0	0.8864	0.5404	0.2824	0.1422	0.0687	0.0317	0.0138	0.0057	0.0022	0.0008	0.0002
	1	0.9938	0.8816	0.6590	0.4435	0.2749	0.1584	0.0850	0.0424	0.0196	0.0083	0.0032
	2	0.9998	0.9804	0.8891	0.7358	0.5583	0.3907	0.2528	0.1513	0.0834	0.0421	0.0193
	3	1.0000	0.9978	0.9744	0.9078	0.7946	0.6488	0.4925	0.3467	0.2253	0.1345	0.0730
	4	1.0000	0.9998	0.9957	0.9761	0.9274	0.8424	0.7237	0.5833	0.4382	0.3044	0.1938
	5	1.0000	1.0000	0.9995	0.9954	0.9806	0.9456	0.8822	0.7873	0.6652	0.5269	0.3872
	6	1.0000	1.0000	0.9999	0.9993	0.9961	0.9857	0.9614	0.9154	0.8418	0.7393	0.6128
	7	1.0000	1.0000	1.0000	0.9999	0.9994	0.9972	0.9905	0.9745	0.9427	0.8883	0.8062
	8	1.0000	1.0000	1.0000	1.0000	0.9999	0.9996	0.9983	0.9944	0.9847	0.9644	0.9270
	9	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.9998	0.9992	0.9972	0.9921	0.9807
	10	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.9999	0.9997	0.9989	0.9968
	11	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.9999	0.9998
	12	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
13	0	0.8775	0.5133	0.2542	0.1209	0.0550	0.0238	0.0097	0.0037	0.0013	0.0004	0.0001
	1	0.9928	0.8646	0.6213	0.3983	0.2336	0.1267	0.0637	0.0296	0.0126	0.0049	0.0017
	2	0.9997	0.9755	0.8661	0.6920	0.5017	0.3326	0.2025	0.1132	0.0579	0.0269	0.0112
	3	1.0000	0.9969	0.9658	0.8820	0.7473	0.5843	0.4206	0.2783	0.1686	0.0929	0.0461
	4	1.0000	0.9997	0.9935	0.9658	0.9009	0.7940	0.6543	0.5005	0.3530	0.2279	0.1334
	5	1.0000	1.0000	0.9991	0.9925	0.9700	0.9198	0.8346	0.7159	0.5744	0.4268	0.2905
	6	1.0000	1.0000	0.9999	0.9987	0.9930	0.9757	0.9376	0.8705	0.7712	0.6437	0.5000
	7	1.0000	1.0000	1.0000	0.9998	0.9988	0.9944	0.9818	0.9538	0.9023	0.8212	0.7095
	8	1.0000	1.0000	1.0000	1.0000	0.9998	0.9990	0.9960 0.9993	0.9874 0.9975	0.9679 0.9922	0.9302 0.9797	0.8666
	9	1.0000	1.0000	1.0000	1.0000 1.0000	1.0000 1.0000	1.0000	0.9993	0.9973	0.9922	0.9797	0.9539 0.9888
	10	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.9987	0.9939	0.9883
	11	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.9983
	12 13	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
	13	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000

ESTADÍSTICA I ___4.

						P						
n	X	0.01	0.05	0.10	0.15	0.20	0.25	0.30	0.35	0.40	0.45	0.50
14	0	0.8687	0.4877	0.2288	0.1028	0.0440	0.0178	0.0068	0.0024	0.0008	0.0002	0.0001
	1	0.9916	0.8470	0.5846	0.3567	0.1979	0.1010	0.0475	0.0205	0.0081	0.0029	0.0009
	2	0.9997	0.9699	0.8416	0.6479	0.4481	0.2811	0.1608	0.0839	0.0398	0.0170	0.0065
	3	1.0000	0.9958	0.9559	0.8535	0.6982	0.5213	0.3552	0.2205	0.1243	0.0632	0.0287
	4	1.0000	0.9996	0.9908	0.9533	0.8702	0.7415	0.5842	0.4227	0.2793	0.1672	0.0898
	5	1.0000	1.0000	0.9985	0.9885	0.9561	0.8883	0.7805	0.6405	0.4859	0.3373	0.2120
	6	1.0000	1.0000	0.9998	0.9978	0.9884	0.9617	0.9067	0.8164	0.6925	0.5461	0.3953
	7	1.0000	1.0000	1.0000	0.9997	0.9976	0.9897 0.9978	0.9685 0.9917	0.9247 0.9757	0.8499	0.7414	0.6047
	8 9	1.0000	1.0000	1.0000	1.0000	0.9996 1.0000	0.9978	0.9917	0.9737	0.9417 0.9825	0.8811 0.9574	0.7880 0.9102
	9 10	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.9998	0.9940	0.9823	0.9374	0.9102
		1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.9999	0.9901	0.9880	0.9713
	11 12	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.9999	0.9997	0.9991
	13	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.9999
	14	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
15	0	0.8601	0.4633	0.2059	0.0874	0.0352	0.0134	0.0047	0.0016	0.0005	0.0001	0.0000
10	1	0.9904	0.8290	0.5490	0.3186	0.1671	0.0802	0.0353	0.0142	0.0052	0.0017	0.0005
	2	0.9996	0.9638	0.8159	0.6042	0.3980	0.2361	0.1268	0.0617	0.0271	0.0107	0.0037
	3	1.0000	0.9945	0.9444	0.8227	0.6482	0.4613	0.2969	0.1727	0.0905	0.0424	0.0176
	4	1.0000	0.9994	0.9873	0.9383	0.8358	0.6865	0.5155	0.3519	0.2173	0.1204	0.0592
	5	1.0000	0.9999	0.9978	0.9832	0.9389	0.8516	0.7216	0.5643	0.4032	0.2608	0.1509
	6	1.0000	1.0000	0.9997	0.9964	0.9819	0.9434	0.8689	0.7548	0.6098	0.4522	0.3036
	7	1.0000	1.0000	1.0000	0.9994	0.9958	0.9827	0.9500	0.8868	0.7869	0.6535	0.5000
	8	1.0000	1.0000	1.0000	0.9999	0.9992	0.9958	0.9848	0.9578	0.9050	0.8182	0.6964
	9	1.0000	1.0000	1.0000	1.0000	0.9999	0.9992	0.9963	0.9876	0.9662	0.9231	0.8491
	10	1.0000	1.0000	1.0000	1.0000	1.0000	0.9999	0.9993	0.9972	0.9907	0.9745	0.9408
	11	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.9999	0.9995	0.9981	0.9937	0.9824
	12	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.9999	0.9997	0.9989	0.9963
	13	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.9999	0.9995
	14	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
	15	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
16	0	0.8515	0.4401	0.1853	0.0743	0.0281	0.0100	0.0033	0.0010	0.0003	0.0001	0.0000
	1	0.9891	0.8108	0.5147	0.2839	0.1407	0.0635	0.0261	0.0098	0.0033	0.0010	0.0003
	2	03.9995		0.7893	0.5614	0.3518	0.1971	0.0994	0.0451	0.0183	0.0066	0.0021
	3	1.0000	0.9930 0.9991	0.9316 0.9830	0.7899 0.9209	0.5981 0.7982	0.4050 0.6302	0.2459 0.4499	0.1339 0.2892	0.0651 0.1666	0.0281 0.0853	0.0106 0.0384
	4 5	1.0000	0.9991	0.9830	0.9209	0.7982	0.8302	0.4499	0.2892	0.1000	0.0833	0.0384
	6	1.0000	1.0000	0.9995	0.9703	0.9733	0.9204	0.8247	0.4900	0.5272	0.1970	0.1031
	7	1.0000	1.0000	0.9999	0.9989	0.9930	0.9729	0.9256	0.8406	0.7161	0.5629	0.4018
	8	1.0000	1.0000	1.0000	0.9998	0.9985	0.9925	0.9743	0.9329	0.8577	0.7441	0.5982
	9	1.0000	1.0000	1.0000	1.0000	0.9998	0.9984	0.9929	0.9771	0.9417	0.8759	0.7728
	10	1.0000	1.0000	1.0000	1.0000	1.0000	0.9997	0.9984	0.9938	0.9809	0.9514	0.8949
	11	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.9997	0.9987	0.9951	0.9851	0.9616
	12	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.9998	0.9991	0.9965	0.9894
	13	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.9999	0.9994	0.9979
	14	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.9999	0.9997
	15	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
	16	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
17	0	0.8429	0.4181	0.1668	0.0631	0.0225	0.0075	0.0023	0.0007	0.0002	0.0000	0.0000
	1	0.9877	0.7922	0.4818	0.2525	0.1182	0.0501	0.0193	0.0067	0.0021	0.0006	0.0001
	2	0.9994	0.9497	0.7618	0.5198	0.3096	0.1637	0.0774	0.0327	0.0123	0.0041	0.0012
	3	1.0000	0.9912	0.9174	0.7556	0.5489	0.3530	0.2019	0.1028	0.0464	0.0184	0.0064
	4	1.0000	0.9988	0.9779	0.9013	0.7582	0.5739	0.3887	0.2348	0.1260	0.0596	0.0245
	5	1.0000	0.9999	0.9953	0.9681	0.8943	0.7653	0.5968	0.4197	0.2639	0.1471	0.0717
	6	1.0000	1.0000	0.9992	0.9917	0.9623	0.8929	0.7752	0.6188	0.4478	0.2902	0.1662

						P						
n	X	0.01	0.05	0.10	0.15	0.20	0.25	0.30	0.35	0.40	0.45	0.50
17	7	1.0000	1.0000	0.9999	0.9983	0.9891	0.9598	0.8954	0.7872	0.6405	0.4743	0.3145
	8	1.0000	1.0000	1.0000	0.9997	0.9974	0.9876	0.9597	0.9006	0.8011	0.6626	0.5000
	9	1.0000	1.0000	1.0000	1.0000	0.9995	0.9969	0.9873	0.9617	0.9081	0.8166	0.6855
	10	1.0000	1.0000	1.0000	1.0000	0.9999	0.9994	0.9968	0.9880	0.9652	0.9174	0.8338
	11	1.0000	1.0000	1.0000	1.0000	1.0000	0.9999	0.9993	0.9970	0.9894	0.9699	0.9283
	12	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.9999	0.9994	0.9975	0.9914	0.9755
	13	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.9999	0.9995	0.9981	0.9936
	14	1,0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.9999	0.9997	0.9988
	15	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.9999
	16	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
	17	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
18	0	0.8345	0.3972	0.1501	0.0536	0.0180	0.0056	0.0016	0.0004	0.0001	0.0000	0.0000
	ĺ	0.9862	0.7735	0.4503	0.2241	0.0991	0.0395	0.0142	0.0046	0.0013	0.0003	0.0001
	2	0.9993	0.9419	0.7338	0.4797	0.2713	0.1353	0.0600	0.0236	0.0082	0.0025	0.0007
	3	1.0000	0.9891	0.9018	0.7202	0.5010	0.3057	0.1646	0.0783	0.0328	0.0120	0.0038
	4	1.0000	0.9985	0.9718	0.8794	0.7164	0.5187	0.3327	0.1886	0.0942	0.0411	0.0154
	5	1.0000	0.9998	0.9936	0.9581	0.8671	0.7175	0.5344	0.3550	0.2088	0.1077	0.0481
	6	1.0000	1.0000	0.9988	0.9882	0.9487	0.8610	0.7217	0.5491	0.3743	0.2258	0.1189
	7	1.0000	1.0000	0.9998	0.9973	0.9837	0.9431	0.8593	0.7283	0.5634	0.3915	0.2403
	8	1.0000	1.0000	1.0000	0.9995	0.9957	0.9807	0.9404	0.8609	0.7368	0.5778	0.4073
	9	1.0000	1.0000	1.0000	0.9999	0.9991	0.9916	0.9790	0.9403	0.8653	0.7473	0.5927
	10	1.0000	1.0000	1.0000	1.0000	0.9998	0.9988	0.9939	0.9788	0.9424	0.8720	0.7597
	11	1.0000	1.0000	1.0000	1.0000	1.0000	0.9998	0.9986	0.9938	0.9797	0.9463	0.8811
	12	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.9997	0.9986	0.9942	0.9817	0.9519
	13	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.9997	0.9987	0.9951	0.9846
	14	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.9998	0.9990	0.9962
	15	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.9999	0.9993
	16	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.9999
	17	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
	18	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
19	0	0.8262	0.3774	0.1351	0.0456	0.0144	0.0042	0.0011	0.0003	0.0001	0.0000	0.0000
	1	0.9847	0.7547	0.4203	0.1985	0.0829	0.0310	0.0104	0.0031	0.0008	0.0002	0.0000
	2	0.9991	0.9335	0.7054	0.4413	0.2369	0.1113	0.0462	0.0170	0.0055	0.0015	0.0004
	3	1.0000	0.9868	0.8850	0.6841	0.4551	0.2631	0.1332	0.0591	0.0230	0.0077	0.0022
	4	1.0000	0.9980	0.9648	0.8556	0.6733	0.4654	0.2822	0.1500	0.0696	0.0280	0.0096
	5	1.0000	0.9998	0.9914	0.9463	0.8369	0.6678	0.4739	0.2968	0.1629	0.0777	0.0318
	6	1.0000	1.0000	0.9983	0.9837	0.9324	0.8251	0.6655	0.4812	0.3081	0.1727	0.0835
	7	1.0000	1.0000	0.9997	0.9959	0.9767	0.9225	0.8180	0.6656	0.4878	0.3169	0.1796
	8	1.0000	1.0000	1.0000	0.9992	0.9933	0.9713	0.9161	0.8145	0.6675	0.4940	0.3238
	9	1.0000	1.0000	1.0000	0.9999	0.9984	0.9911	0.9674	0.9125	0.8139	0.6710	0.5000
	10	1.0000	1.0000	1.0000	1.0000	0.9997	0.9977	0.9895	0.9653	0.9115	0.8159	0.6762
	11	1.0000	1.0000	1.0000	1.0000	1.0000	0.9995	0.9972	0.9886	0.9648	0.9129	0.8204
	12	1.0000	1.0000	1.0000	1.0000	1.0000	0.9999	0.9994	0.9969	0.9884	0.9658	0.9165
	13	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.9999	0.9993	0.9969	0.9891	0.9682
	14	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.9999	0.9994	0.9972	0.9904
	15	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.9999	0.9995	0.9978
	16	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.9999	0.9996
	17	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
	18	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
	19	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
20	0	0.8179	0.3585	0.1216	0.0388	0.0115	0.0032	0.0008	0.0002	0.0000	0.0000	0.0000
	1	0.9831	0.7358	0.3917	0.1756	0.0692	0.0243	0.0076	0.0021	0.0005	0.0001	0.0000
	2	0.9990	0.9245	0.6769	0.4049	0.2061	0.0913	0.0355	0.0121	0.0036	0.0009	0.0002
	3	1.0000	0.9841	0.8670	0.6477	0.4114	0.2252	0.1071	0.0444	0.0160	0.0049	0.0013
	4	1.0000	0.9974	0.9568	0.8298	0.6296	0.4148	0.2375	0.1182	0.0510	0.0189	0.0059

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						P						
n	X	0.01	0.05	0.10	0.15	0.20	0.25	0.30	0.35	0.40	0.45	0.50
20	5	1.0000	0.9997	0.9887	0.9327	0.8042	0.6172	0.4164	0.2454	0.1256	0.0553	0.0207
	6	1.0000	1.0000	0.9976 0.9996	0.9781	0.9133 0.9679	0.7858 0.8982	0.6080 0.7723	0.4166 0.6010	0.2500 0.4159	0.1299 0.2520	0.0577 0.1316
	7			0.9996	0.9941 0.9987	0.9679	0.8982		0.7624	0.4159		0.1316
	8	1.0000	1.0000		0.9987	0.9900	0.9391	0.8867	0.7624	0.3936	0.4143 0.5914	0.2517
	9	1.0000	1.0000	1.0000	1.0000	0.9974	0.9861	0.9520 0.9829	0.8782	0.7555	0.3914	0.4119
	10	1.0000	1.0000	1.0000	1.0000	0.9994	0.9901	0.9829	0.9408	0.8723	0.7507	0.7483
	11	1.0000	1.0000	1.0000	1.0000	1.0000	0.9991	0.9949	0.9804	0.9433	0.8092	0.7483
	12	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.9997	0.9940	0.9730	0.9420	0.9423
	13 14	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.9997	0.9933	0.9786	0.9423
		1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.9997	0.9985	0.9793
	15	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.9997	0.9941
	16 17	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.9998
	18	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
	18 19	1.0001	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
		1.0001	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
25	20	0.7778	0.2774	0.0718	0.0172	0.0038	0.0008	0.0001	0.0000	0.0000	0.0000	0.0000
25	0 1	0.7778	0.2774	0.0718	0.0172	0.0038	0.0008	0.0001	0.0003	0.0001	0.0000	0.0000
	2	0.9742	0.8729	0.5371	0.0531	0.0274	0.0070	0.0010	0.0003	0.0001	0.0001	0.0000
	3	0.9999	0.8729	0.7636	0.2337	0.0382	0.0321	0.0030	0.0021	0.0004	0.0001	0.0001
	4	1.0000	0.9928	0.9020	0.6821	0.4207	0.0302	0.0905	0.0320	0.0024	0.0003	0.0001
	5	1.0000	0.9928	0.9666	0.8385	0.4207	0.2137	0.0905	0.0326	0.0093	0.0023	0.0003
	6	1.0000	0.9998	0.9905	0.9305	0.7800	0.5611	0.3407	0.0020	0.0736	0.0058	0.0023
	7	1.0000	1.0000	0.9977	0.9745	0.8909	0.7265	0.5118	0.3061	0.0736	0.0230	0.0075
	8	1.0000	1.0000	0.9995	0.9920	0.9532	0.8506	0.6769	0.4668	0.2735	0.1340	0.0539
	9	1.0000	1.0000	0.9999	0.9979	0.9827	0.9287	0.8106	0.6303	0.4246	0.2424	0.1148
	10	1.0000	1.0000	1.0000	0.9995	0.9944	0.9703	0.9022	0.7712	0.5858	0.3843	0.2122
	11	1.0000	1.0000	1.0000	0.9999	0.9985	0.9893	0.9558	0.8746	0.7323	0.5426	0.3450
	12	1.0000	1.0000	1.0000	1.0000	0.9996	0.9966	0.9825	0.9396	0.8462	0.6937	0.5000
	13	1.0000	1.0000	1.0000	1.0000	0.9999	0.9991	0.9940	0.9745	0.9222	0.8173	0.6550
	14	1.0000	1.0000	1.0000	1.0000	1.0000	0.9998	0.9982	0.9907	0.9656	0.9040	0.7878
	15	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.9995	0.9971	0.9868	0.9560	0.8852
	16	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.9999	0.9992	0.9957	0.9826	0.9461
	17	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.9998	0.9988	0.9942	0.9784
	18	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.9997	0.9984	0.9927
	19	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.9999	0.9996	0.9980
	20	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.9999	0.9995
	21	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.9999
	22	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
	23	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
	24	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
	25	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000

Tabla 2
Función de Distribución de Poisson

					1					
X	0.1	0.2	0.3	0.4	0.5	0.6	0.7	0.8	0.9	1.0
0	0.9048	0.8187	0.7408	0.6703	0.6065	0.5488	0.4966	0.4493	0.4066	0.3679
1	0.9953	0.9825	0.9631	0.9384	0.9098	0.8781	0.8442	0.8088	0.7725	0.7358
2	0.9998	0.9989	0.9964	0.9921	0.9856	0.9769	0.9659	0.9526	0.9371	0.9197
3	1.0000 1.0000	0.9999 1.0000	0.9997 1.0000	0.9992 0.9999	0.9982 0.9998	0.9966 0.9996	0.9942 0.9992	0.9909 0.9986	0.9865 0.9977	0.9810 0.9963
5	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.9992	0.9980	0.9977	0.9903
6	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.9999
7	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
X	1.1	1.2	1.3	1.4	1.5	1.6	1.7	1.8	1.9	2.0
0	0.3329	0.3012	0.2725	0.2466	0.2231	0.2019	0.1827	0.1653	0.1496	0.1353
1	0.6990	0.6626	0.6268	0.5918	0.5578	0.5249	0.4932	0.4628	0.4338	0.4060
2	0.9004	0.8795	0.8571	0.8335	0.8088	0.7834	0.7572	0.7306	0.7037	0.6767
3	0.9743	0.9662	0.9569	0.9463	0.9344	0.9212	0.9068	0.8913	0.8747	0.8571
4	0.9946	0.9923	0.9893	0.9857	0.9814	0.9763	0.9704	0.9636	0.9559	0.9473
5	0.9990	0.9985	0.9978	0.9968	0.9955	0.9940	0.9920	0.9896	0.9868	0.9834
6	0.9999	0.9997	0.9996	0.9994	0.9991	0.9987	0.9981	0.9974	0.9966	0.9955
7 8	1.0000 1.0000	1.0000 1.0000	0.9999 1.0000	0.9999 1.0000	0.9998 1.0000	0.9997 1.0000	0.9996 0.9999	0.9994 0.9999	0.9992 0.9998	0.9989 0.9998
9	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
X	2.1	2.2	2.3	2.4	2.5	2.6	2.7	2.8	2.9	3.0
0	0.1225	0.1108	0.1003	0.0907	0.0821 0.2873	0.0743	0.0672	0.0608	0.0550	0.0498
1	0.3796	0.3546	0.3309	0.3084		0.2674	0.2487	0.2311	0.2146	0.1991
2	0.6496	0.6227	0.5960	0.5697	0.5438	0.5184	0.4936	0.4695	0.4460	0.4232
3	0.8386 0.9379	0.8194 0.9275	0.7993 0.9163	0.7787 0.9041	0.7576 0.8912	0.7360 0.8774	0.7141 0.8629	0.6919 0.8477	0.6696 0.8318	0.6472 0.8153
5	0.9379	0.9273	0.9700	0.9643	0.8512	0.8774	0.8029	0.8477	0.8318	0.8155
6	0.9941	0.9925	0.9906	0.9884	0.9858	0.9828	0.9794	0.9756	0.9713	0.9665
7	0.9985	0.9980	0.9974	0.9967	0.9958	0.9947	0.9934	0.9919	0.9901	0.988!
8	0.9997	0.9995	0.9994	0.9991	0.9989	0.9985	0.9981	0.9976	0.9969	0.9962
9	0.9999	0.9999	0.9999	0.9998	0.9997	0.9996	0.9995	0.9993	0.9991	0.9989
10 11	1.0000 1.0000	1.0000 1.0000	1.0000	1.0000 1.0000	0.9999 1.0000	0.9999 1.0000	0.9999 1.0000	0.9998 1.0000	0.9998	0.9997 0.9999
	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.9999	0.9999
X	3.1	3.2	3.3	3.4	3.5	3.6	3.7	3.8	3.9	4.0
0	$0.0450 \\ 0.1847$	$0.0408 \\ 0.1712$	$0.0369 \\ 0.1586$	$0.0334 \\ 0.1468$	0.0302 0.1359	$0.0273 \\ 0.1257$	$0.0247 \\ 0.1162$	$0.0224 \\ 0.1074$	$0.0202 \\ 0.0992$	$0.0183 \\ 0.0916$
1 2	0.1647	0.1712	0.1580	0.1408	0.1339	0.1237	0.1102	0.1074	0.0532	0.0910
3	0.6248	0.6025	0.5803	0.5584	0.5366	0.5152	0.4942	0.4735	0.4533	0.4335
4	0.7982	0.7806	0.7626	0.7442	0.7254	0.7064	0.6872	0.6678	0.6484	0.6288
5	0.9057	0.8946	0.8829	0.8705	0.8576	0.8441	0.8301	0.8156	0.8006	0.7851
6	0.9612	0.9554	0.9490	0.9421	0.9347	0.9267	0.9182	0.9091	0.8995	0.8893
7	0.9858	0.9832	0.9802	0.9769	0.9733	0.9692	0.9648	0.9599	0.9546	0.9489
8	0.9953 0.9986	0.9943 0.9982	0.9931 0.9978	0.9917 0.9973	0.9901 0.9967	0.9883 0.9960	0.9863 0.9952	0.9840 0.9942	0.9815 0.9931	0.9786 0.9919
10	0.9996	0.9982	0.9978	0.9973	0.9907	0.9987	0.9932	0.9942	0.9931	0.9919
11	0.9999	0.9999	0.9998	0.9998	0.9997	0.9996	0.9995	0.9994	0.9993	0.9991
12	1.0000	1.0000	1.0000	0.9999	0.9999	0.9999	0.9999	0.9998	0.9998	0.9997
13	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.9999	0.9999

ESTADÍSTICA I 8.

					1					
X	4.1	4.2	4.3	4.4	4.5	4.6	4.7	4.8	4.9	5.0
0	0.0166 0.0845	0.0150 0.0780	0.0136 0.0719	0.0123 0.0663	0.0111 0.0611	0.0101 0.0563	0.0091 0.0518	0.0082 0.0477	0.0074 0.0439	0.0067 0.0404
2	0.2238	0.0780	0.1974	0.1851	0.1736	0.0505	0.0518	0.1425	0.1333	0.1247
3	0.4142	0.3954	0.3772	0.3595	0.3423	0.3257	0.3097	0.2942	0.2793	.0.2650
4 5	0.6093 0.7693	0.5898 0.7531	0.5704 0.7367	0.5512 0.7199	0.5321 0.7029	0.5132 0.6858	0.4946 0.6664	0.4763 0.6510	0.4582 0.6335	0.4405 0.6160
6	0.8787	0.8675	0.8558	0.8436	0.8311	0.8180	0.8046	0.7908	0.7767	0.7622
7 8	0.9427 0.9755	0.9361 0.9721	0.9290 0.9683	0.9214 0.9642	0.9134 0.9597	0.9050 0.9549	0.8960 0.9497	0.8867 0.9442	0.8769 0.9382	0.8666 0.9319
9	0.9905	0.9721	0.9871	0.9851	0.9829	0.9805	0.9497	0.9749	0.9362	0.9682
10	0.9966 0.9989	0.9959	0.9952	0.9943 0.9980	0.9933	0.9922	0.9910	0.9896	0.9880	0.9863
11 12	0.9989	0.9986 0.9996	0.9983 0.9995	0.9980	0.9976 0.9992	0.9971 0.9990	0.9966 0.9988	0.9960 0.9986	0.9953 0.9983	0.9945 0.9980
13	0.9999	0.9999	0.9998	0.9998	0.9997	0.9997	0.9996	0.9995	0.9994	0.9993
14 15	1.0000 1.0000	1.0000 1.0000	1.0000 1.0000	0.9999 1.0000	0.9999 1.0000	0.9999 1.0000	0.9999 1.0000	0.9999 1.0000	0.9998	0.9998
X	5.1	5.2	5.3	5.4	5.5	5.6	5.7	5.8	5.9	6.0
0	0.0061		0.0050	0.0045	0.0041	0.0037	0.0033	0-0030	0.0027	
1	0.0372	0.0055 0.0342	0.0314	0.0289	0.0266	0.0244	0.0224	0.0206	0.0189	0.0025 0.0174
2 3	0.1165 0.2513	0.1088 0.2381	0.1016 0.2254	0.0948 0.2133	0.0884 0.2017	0.0824 0.1906	0.07&8 0.1801	0.0715 0.1700	0.0666 0.1604	0.0620 0.1512
4	0.4231	0.4061	0.3895	0.3733	0.3575	0.3422	0.3272	0.3127	0.2987	0.2&51
5 6	0.5984 0.7474	0.5809 0.7324	0.5635 0.7171	0.5461 0.7017	0.5289 0.6860	0.5119 0.6703	0.4950 0.6544	0.4783 0.6384	0.4619 0.6224	0.4457 0.6063
7	0.8560	0.7324	0.8335	0.8217	0.8095	0.7970	0.0344	0.7710	0.0224	0.7440
8	0.9252 0.9644	0.9181	0.9106	0.9027	0.8944	0.8857	0.8766	0.8672	0.8574	0.8472
9 10	0.9644	0.9603 0.9823	0.9559 0.9800	0.9512 0.9775	0.9462 0.9747	0.9409 0.9718	0.9352 0.9686	0.9292 0.9651	0.9228 0.9614	0.9161 0.9574
11	0.9937	0.9927	0.9916	0.9904	0.9890	0.9875	0.9859	0.9841	0.9821	0.9799
12 13	0.9976 0.9992	0.9972 0.9990	0.9967 0.9988	0.9962 0.9986	0.9955 0.9983	0.9949 0.9980	0.9941 0.9977	0.9932 0.9973	0.9922 0.9969	0.9912 0.9964
14	0.9997	0.9997	0.9996	0.9995	0.9994	0.9993	0.9991	0.9990	0.9988	0.9986
15 16	0.9999 1.0000	0.9999 1.0000	0.9999 1.0000	0.9998 0.9999	0.9998 0.9999	0.9998 0.9999	0.9997 0.9999	0.9996 0.9999	0.9996 0.9999	0.9995 0.9998
17	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.9999
X	6.1	6.2	6.3	6.4	6.5	6.6	6.7	6.8	6.9	7.0
0	0.0022 0.0159	0.0020 0.0146	0.0018 0.0134	0.0017 0.0123	0.0015 0.0113	0.0014 0.0103	0.0012 0.0095	0.0011 0.0087	0.0010	0.0009
1 2	0.0159 0.0577	0.0146 0.0536	0.0134 0.0498	0.0123	0.0113	0.0103	0.0095	0.0087	0.0080	0.0073
3	0.1425	0.1342	0.1264	0.1189	0.1119	0.1052	0.0988	0.0928	0.0871	0.0230
4	0.2719 0.4298	0.2592 0.4141	0.2469 0.3988	0.2351 0.3837	0.2237 0.3690	0.2127 0.3547	0.2022 0.3407	0.1920 0.3270	0.1823 0.3137	0.1730 0.3007
5 6	0.4298	0.4141	0.5582	0.5423	0.5265	0.5347	0.3407	0.3270	0.3137	0.3007
7	0.7301	0.7160	0.7018	0.6873	0.6728	0.6581	0.6433	0.6285	0.6136	0.5987
8	0.8367 0.9090	0.8259 0.9016	0.8148 0.8939	0.8033 0.8858	0.7916 0.8774	0.7796 0.8686	0.7673 0.8596	0.7548 0.8502	0.7420 0.8405	0.7291 0.8305
10	0.9531	0.9486	0.9437	0.9386	0.9332	0.9274	0.9214	0.9151	0.9084	0.9015
11 12	0.9776 0.9900	0.9750 0.9887	0.9723 0.9873	0.9693 0.9857	0.9661 0.9840	0.9627 0.9821	0.9591 0.9801	0.9552 0.9779	0.9510 0.9755	0.9467 0.9730
13	0.9958	0.9952	0.9945	0.9937	0.9929	0.9920	0.9909	0.9898	0.9755	0.9872
14	0.9984	0.9981	0.9978	0.9974	0.9970	0.9966	0.9961	0.9956	0.9950	0.9943
15 16	0.9994 0.9998	0.9993 0.9997	0.9992 0.9997	0.9990 0.9996	0.9988 0.9996	0.9986 0.9995	0.9984 0.9994	0.9982 0.9993	0.9979 0.9992	0.9976 0.9990
17	0.9999	0.9999	0.9999	0.9999	0.9998	0.9998	0.9998	0.9997	0.9997	0.9996
18 19	1.0000 1.0000	1.0000 1.0000	1.0000 1.0000	1.0000 1.0000	0.9999 1.0000	0.9999 1 0000	0.9999 1.0000	0.9999 1.0000	0.9999 1.0000	0.9999 1.0000
17	1.0000	1.0000	1.0000	1.0000	1.0000	1 0000	1.0000	1.0000	1.0000	1.0000

					1					
X	7.1	7.2	7.3	7.4	7.5	7.6	7.7	7.8	7.9	8.0
0	0.0008 0.0067	0.0007 0.0061	0.0007 0.0056	0.0006 0.0051	0.0006 0.0047	0.0005 0.0043	0.0005 0.0039	0.0004 0.0036	0.0004 0.0033	0.0003 0.0030
2	0.0275	0.0255	0.0236	0.0219	0.0203	0.0188	0.0174	0.0161	0.0149	0.0138
3	0.0767	0.0719	0.0674	0.0632	0.0591	0.0554	0.0518	0.0485	0.0453	0.0424
4	0.1641	0.1555	0.1473	0.1395	0.1321	0.1249	0.1181	0.1117	0.1055	0.0996
5	0.2881	0.2759 0.4204	0.2640	0.2526 0.3920	0.2414 0.3782	0.2307	0.2203 0.3514	0.2103 0.3384	0.2006 0.3257	0.1912 0.3134
6 7	0.4349 0.5838	0.4204	0.4060 0.5541	0.53920	0.5782	0.3646 0.5100	0.3514	0.3384 0.4812	0.3237	0.3134
8	0.7160	0.7027	0.6892	0.6757	0.6620	0.6482	0.4330	0.6204	0.6065	0.5926
9	0.8202	0.8097	0.7988	0.7877	0.7764	0.7649	0.7531	0.7411	0.7290	0.7166
10	0.8942	0.8867	0.8788	0.8707	0.8622	0.8535	0.8445	0.8352	0.8257	0.8159
11	0.9420	0.9371	0.9319	0.9265	0.9208	0.9148	0.9085	0.9020	0.8952	0.8881
12	0.9703	0.9673	0.9642	0.9609	0.9573	0.9536	0.9496	0.9454	0.9409	0.9362
13 14	0.9857 0.9935	0.9841 0.9927	0.9824 0.9918	0.9805 0.9908	0.9784 0.9897	0.9762 0.9886	0.9739 0.9873	0.9714 0.9859	0.9687 0.9844	0.9658 0.9827
15	0.9972	0.9969	0.9964	0.9959	0.9954	0.9948	0.9941	0.9839	0.9926	0.9827
16	0.9989	0.9987	0.9985	0.9983	0.9980	0.9978	0.9974	0.9971	0.9967	0.9963
17	0.9996	0.9995	0.9994	0.9993	0.9992	0.9991	0.9989	0.9988	0.9986	0.9984
18	0.9998	0.9998	0.9998	0.9997	0.9997	0.9996	0.9996	0.9995	0.9994	0.9993
19	0.9999	0.9999	0.9999	0.9999	0.9999	0.9999	0.9998	0.9998	0.9998	0.9997
20	1.0000	1.0000 1.0000	1.0000	1.0000 1.0000	1.0000 1.0000	1.0000	0.9999 1.0000	0.9999 1.0000	0.9999 1.0000	0.9999 1.0000
21	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
X	8.1	8.2	8.3	8.4	8.5	8.6	8.7	8.8	8.9	9.0
0	0.0003	0.0003	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0001	0.0001
0 1	0.0003 0.0028	0.0003 0.0025	0.0002 0.0023	0.0002 0.0021	0.0002 0.0019	0.0002 0.0018	0.0002 0.0016	0.0002 0.0015	0.0001 0.0014	0.0001 0.0012
0 1 2	0.0003 0.0028 0.0127	0.0003 0.0025 0.0118	0.0002 0.0023 0.0109	0.0002 0.0021 0.0100	0.0002 0.0019 0.0093	0.0002 0.0018 0.0086	0.0002 0.0016 0.0079	0.0002 0.0015 0.0073	0.0001 0.0014 0.0068	0.0001 0.0012 0.0062
0 1 2 3	0.0003 0.0028	0.0003 0.0025	0.0002 0.0023	0.0002 0.0021	0.0002 0.0019	0.0002 0.0018	0.0002 0.0016	0.0002 0.0015	0.0001 0.0014	0.0001 0.0012
0 1 2	0.0003 0.0028 0.0127 0.0396	0.0003 0.0025 0.0118 0.0370 0.0887 0.1736	0.0002 0.0023 0.0109 0.0346	0.0002 0.0021 0.0100 0.0323	0.0002 0.0019 0.0093 0.0301	0.0002 0.0018 0.0086 0.0281	0.0002 0.0016 0.0079 0.0262	0.0002 0.0015 0.0073 0.0244	0.0001 0.0014 0.0068 0.0228	0.0001 0.0012 0.0062 0.0212
0 1 2 3 4 5 6	0.0003 0.0028 0.0127 0.0396 0.0941 0.1823 0.3013	0.0003 0.0025 0.0118 0.0370 0.0887 0.1736 0.2896	0.0002 0.0023 0.0109 0.0346 0.0837 0.1653 0.2781	0.0002 0.0021 0.0100 0.0323 0.0789 0.1573 0.2670	0.0002 0.0019 0.0093 0.0301 0.0744 0.1496 0.2562	0.0002 0.0018 0.0086 0.0281 0.0701 0.1422 0.2457	0.0002 0.0016 0.0079 0.0262 0.0660 0.1352 0.2355	0.0002 0.0015 0.0073 0.0244 0.0621 0.1284 0.2256	0.0001 0.0014 0.0068 0.0228 0.0584 0.1219 0.2160	0.0001 0.0012 0.0062 0.0212 0.0550 0.1157 0.2068
0 1 2 3 4 5 6 7	0.0003 0.0028 0.0127 0.0396 0.0941 0.1823 0.3013 0.4391	0.0003 0.0025 0.0118 0.0370 0.0887 0.1736 0.2896 0.4254	0.0002 0.0023 0.0109 0.0346 0.0837 0.1653 0.2781 0.4119	0.0002 0.0021 0.0100 0.0323 0.0789 0.1573 0.2670 0.3987	0.0002 0.0019 0.0093 0.0301 0.0744 0.1496 0.2562 0.3856	0.0002 0.0018 0.0086 0.0281 0.0701 0.1422 0.2457 0.3728	0.0002 0.0016 0.0079 0.0262 0.0660 0.1352 0.2355 0.3602	0.0002 0.0015 0.0073 0.0244 0.0621 0.1284 0.2256 0.3478	0.0001 0.0014 0.0068 0.0228 0.0584 0.1219 0.2160 0.3357	0.0001 0.0012 0.0062 0.0212 0.0550 0.1157 0.2068 0.3239
0 1 2 3 4 5 6 7 8	0.0003 0.0028 0.0127 0.0396 0.0941 0.1823 0.3013 0.4391 0.5786	0.0003 0.0025 0.0118 0.0370 0.0887 0.1736 0.2896 0.4254 0.5647	0.0002 0.0023 0.0109 0.0346 0.0837 0.1653 0.2781 0.4119 0.5508	0.0002 0.0021 0.0100 0.0323 0.0789 0.1573 0.2670 0.3987 0.5369	0.0002 0.0019 0.0093 0.0301 0.0744 0.1496 0.2562 0.3856 0.5231	0.0002 0.0018 0.0086 0.0281 0.0701 0.1422 0.2457 0.3728 0.5094	0.0002 0.0016 0.0079 0.0262 0.0660 0.1352 0.2355 0.3602 0.4958	0.0002 0.0015 0.0073 0.0244 0.0621 0.1284 0.2256 0.3478 0.4823	0.0001 0.0014 0.0068 0.0228 0.0584 0.1219 0.2160 0.3357 0.4689	0.0001 0.0012 0.0062 0.0212 0.0550 0.1157 0.2068 0.3239 0.4557
0 1 2 3 4 5 6 7 8 9	0.0003 0.0028 0.0127 0.0396 0.0941 0.1823 0.3013 0.4391 0.5786 0.7041	0.0003 0.0025 0.0118 0.0370 0.0887 0.1736 0.2896 0.4254 0.5647 0.6915	0.0002 0.0023 0.0109 0.0346 0.0837 0.1653 0.2781 0.4119 0.5508 0.6788	0.0002 0.0021 0.0100 0.0323 0.0789 0.1573 0.2670 0.3987 0.5369 0.6659	0.0002 0.0019 0.0093 0.0301 0.0744 0.1496 0.2562 0.3856 0.5231 0.6530	0.0002 0.0018 0.0086 0.0281 0.0701 0.1422 0.2457 0.3728 0.5094 0.6400	0.0002 0.0016 0.0079 0.0262 0.0660 0.1352 0.2355 0.3602 0.4958 0.6269	0.0002 0.0015 0.0073 0.0244 0.0621 0.1284 0.2256 0.3478 0.4823 0.6137	0.0001 0.0014 0.0068 0.0228 0.0584 0.1219 0.2160 0.3357 0.4689 0.6006	0.0001 0.0012 0.0062 0.0212 0.0550 0.1157 0.2068 0.3239 0.4557 0.5874
0 1 2 3 4 5 6 7 8 9 10	0.0003 0.0028 0.0127 0.0396 0.0941 0.1823 0.3013 0.4391 0.5786	0.0003 0.0025 0.0118 0.0370 0.0887 0.1736 0.2896 0.4254 0.5647	0.0002 0.0023 0.0109 0.0346 0.0837 0.1653 0.2781 0.4119 0.5508	0.0002 0.0021 0.0100 0.0323 0.0789 0.1573 0.2670 0.3987 0.5369	0.0002 0.0019 0.0093 0.0301 0.0744 0.1496 0.2562 0.3856 0.5231	0.0002 0.0018 0.0086 0.0281 0.0701 0.1422 0.2457 0.3728 0.5094	0.0002 0.0016 0.0079 0.0262 0.0660 0.1352 0.2355 0.3602 0.4958	0.0002 0.0015 0.0073 0.0244 0.0621 0.1284 0.2256 0.3478 0.4823	0.0001 0.0014 0.0068 0.0228 0.0584 0.1219 0.2160 0.3357 0.4689 0.6006 0.7178	0.0001 0.0012 0.0062 0.0212 0.0550 0.1157 0.2068 0.3239 0.4557
0 1 2 3 4 5 6 7 8 9	0.0003 0.0028 0.0127 0.0396 0.0941 0.1823 0.3013 0.4391 0.5786 0.7041 0.8058	0.0003 0.0025 0.0118 0.0370 0.0887 0.1736 0.2896 0.4254 0.5647 0.6915 0.7956 0.8731 0.9261	0.0002 0.0023 0.0109 0.0346 0.0837 0.1653 0.2781 0.4119 0.5508 0.6788 0.7850	0.0002 0.0021 0.0100 0.0323 0.0789 0.1573 0.2670 0.3987 0.5369 0.6659 0.7743 0.8571 0.9150	0.0002 0.0019 0.0093 0.0301 0.0744 0.1496 0.2562 0.3856 0.5231 0.6530 0.7634 0.8487 0.9091	0.0002 0.0018 0.0086 0.0281 0.0701 0.1422 0.2457 0.3728 0.5094 0.6400 0.7522	0.0002 0.0016 0.0079 0.0262 0.0660 0.1352 0.2355 0.3602 0.4958 0.6269 0.7409 0.8311 0.8965	0.0002 0.0015 0.0073 0.0244 0.0621 0.1284 0.2256 0.3478 0.4823 0.6137 0.7294 0.8220 0.8898	0.0001 0.0014 0.0068 0.0228 0.0584 0.1219 0.2160 0.3357 0.4689 0.6006 0.7178 0.8126 0.8829	0.0001 0.0012 0.0062 0.0212 0.0550 0.1157 0.2068 0.3239 0.4557 0.5874 0.7060
0 1 2 3 4 5 6 7 8 9 10 11 12 13	0.0003 0.0028 0.0127 0.0396 0.0941 0.1823 0.3013 0.4391 0.5786 0.7041 0.8058 0.8807 0.9313 0.9628	0.0003 0.0025 0.0118 0.0370 0.0887 0.1736 0.2896 0.4254 0.5647 0.6915 0.7956 0.8731 0.9261 0.9595	0.0002 0.0023 0.0109 0.0346 0.0837 0.1653 0.2781 0.4119 0.5508 0.6788 0.7850 0.8652 0.9207 0.9561	0.0002 0.0021 0.0100 0.0323 0.0789 0.1573 0.2670 0.3987 0.5369 0.6659 0.7743 0.8571 0.9150 0.9524	0.0002 0.0019 0.0093 0.0301 0.0744 0.1496 0.2562 0.3856 0.5231 0.6530 0.7634 0.8487 0.9091 0.9486	0.0002 0.0018 0.0086 0.0281 0.0701 0.1422 0.2457 0.3728 0.5094 0.6400 0.7522 0.8400 0.9029 0.9445	0.0002 0.0016 0.0079 0.0262 0.0660 0.1352 0.2355 0.3602 0.4958 0.6269 0.7409 0.8311 0.8965 0.9403	0.0002 0.0015 0.0073 0.0244 0.0621 0.1284 0.2256 0.3478 0.4823 0.6137 0.7294 0.8220 0.8898 0.9358	0.0001 0.0014 0.0068 0.0228 0.0584 0.1219 0.2160 0.3357 0.4689 0.6006 0.7178 0.8126 0.8829 0.9311	0.0001 0.0012 0.0062 0.0212 0.0550 0.1157 0.2068 0.3239 0.4557 0.5874 0.7060 0.8030 0.8758 0.9262
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14	0.0003 0.0028 0.0127 0.0396 0.0941 0.1823 0.3013 0.4391 0.5786 0.7041 0.8058 0.8807 0.9313 0.9628 0.9810	0.0003 0.0025 0.0118 0.0370 0.0887 0.1736 0.2896 0.4254 0.5647 0.6915 0.7956 0.8731 0.9261 0.9595	0.0002 0.0023 0.0109 0.0346 0.0837 0.1653 0.2781 0.4119 0.5508 0.6788 0.7850 0.8652 0.9207 0.9561 0.9771	0.0002 0.0021 0.0100 0.0323 0.0789 0.1573 0.2670 0.3987 0.5369 0.6659 0.7743 0.8571 0.9150 0.9524	0.0002 0.0019 0.0093 0.0301 0.0744 0.1496 0.2562 0.3856 0.5231 0.6530 0.7634 0.8487 0.9091 0.9486 0.9726	0.0002 0.0018 0.0086 0.0281 0.0701 0.1422 0.2457 0.3728 0.5094 0.6400 0.7522 0.8400 0.9029 0.9445 0.9701	0.0002 0.0016 0.0079 0.0262 0.0660 0.1352 0.2355 0.3602 0.4958 0.6269 0.7409 0.8311 0.8965 0.9403 0.9675	0.0002 0.0015 0.0073 0.0244 0.0621 0.1284 0.2256 0.3478 0.4823 0.6137 0.7294 0.8220 0.8898 0.9358 0.9647	0.0001 0.0014 0.0068 0.0228 0.0584 0.1219 0.2160 0.3357 0.4689 0.6006 0.7178 0.8126 0.8829 0.9311 0.9617	0.0001 0.0012 0.0062 0.0212 0.0550 0.1157 0.2068 0.3239 0.4557 0.5874 0.7060 0.8030 0.8758 0.9262 0.9585
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15	0.0003 0.0028 0.0028 0.0127 0.0396 0.0941 0.1823 0.3013 0.4391 0.5786 0.7041 0.8058 0.8807 0.9313 0.9628 0.9810 0.9908	0.0003 0.0025 0.0118 0.0370 0.0887 0.1736 0.2896 0.4254 0.5647 0.6915 0.7956 0.8731 0.9261 0.9595 0.9791	0.0002 0.0023 0.0109 0.0346 0.0837 0.1653 0.2781 0.4119 0.5508 0.6788 0.7850 0.8652 0.9207 0.9561 0.9771	0.0002 0.0021 0.0100 0.0323 0.0789 0.1573 0.2670 0.3987 0.5369 0.6659 0.7743 0.8571 0.9150 0.9524 0.9749 0.9875	0.0002 0.0019 0.0093 0.0301 0.0744 0.1496 0.2562 0.3856 0.5231 0.6530 0.7634 0.8487 0.9091 0.9486 0.9726	0.0002 0.0018 0.0086 0.0281 0.0701 0.1422 0.2457 0.3728 0.5094 0.6400 0.7522 0.8400 0.9029 0.9445 0.9701 0.9848	0.0002 0.0016 0.0079 0.0262 0.0660 0.1352 0.2355 0.3602 0.4958 0.6269 0.7409 0.8311 0.8965 0.9403 0.9675	0.0002 0.0015 0.0073 0.0244 0.0621 0.1284 0.2256 0.3478 0.4823 0.6137 0.7294 0.8220 0.8898 0.9358 0.9647 0.9816	0.0001 0.0014 0.0068 0.0228 0.0584 0.1219 0.2160 0.3357 0.4689 0.6006 0.7178 0.8126 0.8829 0.9311 0.9617 0.9798	0.0001 0.0012 0.0062 0.0212 0.0550 0.1157 0.2068 0.3239 0.4557 0.5874 0.7060 0.8030 0.8758 0.9262 0.9585 0.9780
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16	0.0003 0.0028 0.0028 0.0127 0.0396 0.0941 0.1823 0.3013 0.4391 0.5786 0.7041 0.8058 0.8807 0.9313 0.9628 0.9810 0.9908	0.0003 0.0025 0.0118 0.0370 0.0887 0.1736 0.2896 0.4254 0.5647 0.6915 0.7956 0.8731 0.9261 0.9595 0.9791 0.9898	0.0002 0.0023 0.0109 0.0346 0.0837 0.1653 0.2781 0.4119 0.5508 0.6788 0.7850 0.8652 0.9207 0.9561 0.9771 0.9887 0.9947	0.0002 0.0021 0.0100 0.0323 0.0789 0.1573 0.2670 0.3987 0.5369 0.6659 0.7743 0.8571 0.9150 0.9524 0.9749 0.9875	0.0002 0.0019 0.0093 0.0301 0.0744 0.1496 0.2562 0.3856 0.5231 0.6530 0.7634 0.8487 0.9091 0.9486 0.9726 0.9862 0.9934	0.0002 0.0018 0.0086 0.0281 0.0701 0.1422 0.2457 0.3728 0.5094 0.6400 0.7522 0.8400 0.9029 0.9445 0.9701 0.9848 0.9926	0.0002 0.0016 0.0079 0.0262 0.0660 0.1352 0.2355 0.3602 0.4958 0.6269 0.7409 0.8311 0.8965 0.9403 0.9675 0.9832	0.0002 0.0015 0.0073 0.0244 0.0621 0.1284 0.2256 0.3478 0.4823 0.6137 0.7294 0.8220 0.8898 0.9358 0.9647 0.9816 0.9909	0.0001 0.0014 0.0068 0.0228 0.0584 0.1219 0.2160 0.3357 0.4689 0.6006 0.7178 0.8126 0.8829 0.9311 0.9617 0.9798 0.9899	0.0001 0.0012 0.0062 0.0212 0.0550 0.1157 0.2068 0.3239 0.4557 0.5874 0.7060 0.8030 0.8758 0.9262 0.9780
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17	0.0003 0.0028 0.0028 0.0127 0.0396 0.0941 0.1823 0.3013 0.4391 0.5786 0.7041 0.8058 0.8807 0.9313 0.9628 0.9810 0.9908	0.0003 0.0025 0.0118 0.0370 0.0887 0.1736 0.2896 0.4254 0.5647 0.6915 0.7956 0.8731 0.9261 0.9595 0.9791	0.0002 0.0023 0.0109 0.0346 0.0837 0.1653 0.2781 0.4119 0.5508 0.6788 0.7850 0.8652 0.9207 0.9561 0.9771	0.0002 0.0021 0.0100 0.0323 0.0789 0.1573 0.2670 0.3987 0.5369 0.6659 0.7743 0.8571 0.9150 0.9524 0.9749 0.9875	0.0002 0.0019 0.0019 0.0093 0.0301 0.0744 0.1496 0.2562 0.3856 0.5231 0.6530 0.7634 0.8487 0.9091 0.9486 0.9726 0.9862 0.9934 0.9970 0.9987	0.0002 0.0018 0.0086 0.0281 0.0701 0.1422 0.2457 0.3728 0.5094 0.6400 0.7522 0.8400 0.9029 0.9445 0.9701 0.9848	0.0002 0.0016 0.0079 0.0262 0.0660 0.1352 0.2355 0.3602 0.4958 0.6269 0.7409 0.8311 0.8965 0.9403 0.9675	0.0002 0.0015 0.0073 0.0244 0.0621 0.1284 0.2256 0.3478 0.4823 0.6137 0.7294 0.8220 0.8898 0.9358 0.9647 0.9816	0.0001 0.0014 0.0068 0.0228 0.0584 0.1219 0.2160 0.3357 0.4689 0.6006 0.7178 0.8126 0.8829 0.9311 0.9617 0.9798	0.0001 0.0012 0.0062 0.0212 0.0550 0.1157 0.2068 0.3239 0.4557 0.5874 0.7060 0.8030 0.8758 0.9262 0.9585 0.9780
0 1 2 3 4 5 6 6 7 8 9 10 11 11 12 13 14 15 16 17 18 18 19 19 19 19 19 19 19 19 19 19 19 19 19	0.0003 0.0028 0.0028 0.0127 0.0396 0.0941 0.1823 0.3013 0.4391 0.5786 0.7041 0.8058 0.8807 0.9313 0.9628 0.9810 0.9908 0.9958 0.9982 0.9992	0.0003 0.0025 0.0118 0.0370 0.0887 0.1736 0.2896 0.4254 0.5647 0.6915 0.7956 0.8731 0.9261 0.9595 0.9791 0.9898 0.9953 0.9979 0.9997	0.0002 0.0023 0.0109 0.0346 0.0837 0.1653 0.2781 0.4119 0.5508 0.6788 0.7850 0.8652 0.9207 0.9561 0.9771 0.9887 0.9947 0.9997	0.0002 0.0021 0.0100 0.0323 0.0789 0.1573 0.2670 0.3987 0.5369 0.6659 0.7743 0.8571 0.9150 0.9524 0.9749 0.9875 0.9941 0.9973	0.0002 0.0019 0.0019 0.0093 0.0301 0.0744 0.1496 0.2562 0.3856 0.5231 0.6530 0.7634 0.8487 0.9091 0.9486 0.9726 0.9862 0.9934 0.9970 0.9987 0.9995	0.0002 0.0018 0.0086 0.0281 0.0701 0.1422 0.2457 0.3728 0.5094 0.6400 0.7522 0.8400 0.9029 0.9445 0.9701 0.9848 0.9926 0.9966 0.9985 0.9994	0.0002 0.0016 0.0079 0.0262 0.0662 0.1352 0.2355 0.3602 0.4958 0.6269 0.7409 0.8311 0.8965 0.9403 0.9675 0.9832 0.9918 0.9962	0.0002 0.0015 0.0073 0.0244 0.0621 0.1284 0.2256 0.3478 0.4823 0.6137 0.7294 0.8220 0.8898 0.9358 0.9647 0.9916 0.9909	0.0001 0.0014 0.0068 0.0228 0.0584 0.1219 0.2160 0.3357 0.4689 0.6006 0.7178 0.8126 0.8829 0.9311 0.9617 0.9798 0.9899 0.99952	0.0001 0.00012 0.0062 0.0212 0.0550 0.1157 0.2068 0.3239 0.4557 0.5874 0.7060 0.8030 0.8758 0.9262 0.9585 0.9780 0.9989
0 1 2 3 4 5 6 6 7 8 9 10 11 11 12 13 14 15 16 17 18 18 19 19 19 19 19 19 19 19 19 19 19 19 19	0.0003 0.0028 0.0028 0.0127 0.0396 0.0941 0.1823 0.3013 0.4391 0.5786 0.7041 0.8058 0.8807 0.9313 0.9628 0.9810 0.9908 0.9958 0.9982 0.9992 0.9999 0.9999	0.0003 0.0025 0.0118 0.0370 0.0887 0.1736 0.2896 0.4254 0.5647 0.6915 0.7956 0.8731 0.9261 0.9595 0.9791 0.9898 0.9953 0.9979 0.9991	0.0002 0.0023 0.0109 0.0346 0.0837 0.1653 0.2781 0.4119 0.5508 0.6788 0.7850 0.8652 0.9207 0.9561 0.9771 0.9887 0.9947 0.9990 0.9999	0.0002 0.0021 0.0100 0.0323 0.0789 0.1573 0.2670 0.3987 0.5369 0.6659 0.7743 0.8571 0.9150 0.9524 0.9749 0.9875 0.9941 0.9973 0.9989 0.9998	0.0002 0.0019 0.0019 0.0093 0.0301 0.0744 0.1496 0.2562 0.3856 0.5231 0.6530 0.7634 0.8487 0.9091 0.9486 0.9726 0.9862 0.9934 0.9970 0.9987 0.9998	0.0002 0.0018 0.0086 0.0281 0.0701 0.1422 0.2457 0.3728 0.5094 0.6400 0.7522 0.8400 0.9029 0.9445 0.9701 0.9848 0.9926 0.9985 0.9985 0.9998	0.0002 0.0016 0.0079 0.0262 0.0660 0.1352 0.2355 0.3602 0.4958 0.6269 0.7409 0.8311 0.8965 0.9403 0.9675 0.9832 0.9918 0.9962 0.9983	0.0002 0.0015 0.0073 0.0244 0.0621 0.1284 0.2256 0.3478 0.4823 0.6137 0.7294 0.8220 0.8898 0.9358 0.9647 0.9999 0.9957	0.0001 0.0014 0.0068 0.0228 0.0584 0.1219 0.2160 0.3357 0.4689 0.6006 0.7178 0.8126 0.8829 0.9311 0.9617 0.9798 0.99952 0.9978	0.0001 0.00012 0.0012 0.0062 0.0212 0.0550 0.1157 0.2068 0.3239 0.4557 0.5874 0.7060 0.8030 0.8758 0.9262 0.9585 0.9780 0.9889 0.9947 0.9989 0.9996
0 1 2 3 3 4 5 6 7 8 9 10 11 11 12 13 14 15 16 17 18 19 20 20 21	0.0003 0.0028 0.0028 0.0127 0.0396 0.0941 0.1823 0.3013 0.4391 0.5786 0.7041 0.8058 0.8807 0.9313 0.9628 0.9810 0.9998 0.9992 0.9992 0.9992 0.9999 1.0000	0.0003 0.0025 0.0118 0.0370 0.0887 0.1736 0.2896 0.4254 0.5647 0.6915 0.7956 0.8731 0.9261 0.9595 0.9791 0.9898 0.9953 0.9979 0.9997 0.9997	0.0002 0.0023 0.0109 0.0346 0.0837 0.1653 0.2781 0.4119 0.5508 0.6788 0.7850 0.8652 0.9207 0.9561 0.9771 0.9887 0.9947 0.9977 0.9990 0.9999 0.9999	0.0002 0.0021 0.0100 0.0323 0.0789 0.1573 0.2670 0.3987 0.5369 0.6659 0.7743 0.8571 0.9150 0.9524 0.9749 0.9875 0.9941 0.9973 0.9989 0.9995	0.0002 0.0019 0.0019 0.0093 0.0301 0.0744 0.1496 0.2562 0.3856 0.5231 0.6530 0.7634 0.8487 0.9091 0.9486 0.9726 0.9862 0.9934 0.9970 0.9987 0.9995 0.9999 0.9999	0.0002 0.0018 0.0086 0.0281 0.0701 0.1422 0.2457 0.3728 0.5094 0.6400 0.7522 0.8400 0.9029 0.9445 0.9701 0.9848 0.9926 0.9985 0.9985 0.9994 0.9999	0.0002 0.0016 0.0079 0.0262 0.0660 0.1352 0.2355 0.3602 0.4958 0.6269 0.7409 0.8311 0.8965 0.9403 0.9675 0.9832 0.9983 0.9983 0.9993 0.9993	0.0002 0.0015 0.0073 0.0244 0.0621 0.1284 0.2256 0.3478 0.4823 0.6137 0.7294 0.8220 0.8898 0.9358 0.9647 0.9999 0.9957 0.9991 0.9999 0.9997	0.0001 0.0014 0.0068 0.0228 0.0584 0.1219 0.2160 0.3357 0.4689 0.6006 0.7178 0.8126 0.8829 0.9311 0.9617 0.9798 0.9995 0.99978	0.0001 0.00012 0.0012 0.0062 0.0212 0.0550 0.1157 0.2068 0.3239 0.4557 0.5874 0.7060 0.8030 0.8758 0.9780 0.9989 0.9947 0.9989 0.9998
0 1 2 3 4 5 6 6 7 8 9 10 11 11 12 13 14 15 16 17 18 18 19 19 19 19 19 19 19 19 19 19 19 19 19	0.0003 0.0028 0.0028 0.0127 0.0396 0.0941 0.1823 0.3013 0.4391 0.5786 0.7041 0.8058 0.8807 0.9313 0.9628 0.9810 0.9908 0.9958 0.9982 0.9992 0.9999 0.9999	0.0003 0.0025 0.0118 0.0370 0.0887 0.1736 0.2896 0.4254 0.5647 0.6915 0.7956 0.8731 0.9261 0.9595 0.9791 0.9898 0.9953 0.9979 0.9991	0.0002 0.0023 0.0109 0.0346 0.0837 0.1653 0.2781 0.4119 0.5508 0.6788 0.7850 0.8652 0.9207 0.9561 0.9771 0.9887 0.9947 0.9990 0.9999	0.0002 0.0021 0.0100 0.0323 0.0789 0.1573 0.2670 0.3987 0.5369 0.6659 0.7743 0.8571 0.9150 0.9524 0.9749 0.9875 0.9941 0.9973 0.9989 0.9998	0.0002 0.0019 0.0019 0.0093 0.0301 0.0744 0.1496 0.2562 0.3856 0.5231 0.6530 0.7634 0.8487 0.9091 0.9486 0.9726 0.9862 0.9934 0.9970 0.9987 0.9998	0.0002 0.0018 0.0086 0.0281 0.0701 0.1422 0.2457 0.3728 0.5094 0.6400 0.7522 0.8400 0.9029 0.9445 0.9701 0.9848 0.9926 0.9985 0.9985 0.9998	0.0002 0.0016 0.0079 0.0262 0.0660 0.1352 0.2355 0.3602 0.4958 0.6269 0.7409 0.8311 0.8965 0.9403 0.9675 0.9832 0.9918 0.9962 0.9983	0.0002 0.0015 0.0073 0.0244 0.0621 0.1284 0.2256 0.3478 0.4823 0.6137 0.7294 0.8220 0.8898 0.9358 0.9647 0.9999 0.9957	0.0001 0.0014 0.0068 0.0228 0.0584 0.1219 0.2160 0.3357 0.4689 0.6006 0.7178 0.8126 0.8829 0.9311 0.9617 0.9798 0.99952 0.9978	0.0001 0.00012 0.0012 0.0062 0.0212 0.0550 0.1157 0.2068 0.3239 0.4557 0.5874 0.7060 0.8030 0.8758 0.9262 0.9585 0.9780 0.9889 0.9947 0.9989 0.9996

ESTADÍSTICA I 10.

					1					
X	9.1	9.2	9.3	9.4	9.5	9.6	9.7	9.8	9.9	10.0
0	0.0001	0.0001 0.0010	0.0001	0.0001 0.0009	0.0001	0.0001	0.0001	0.0001 0.0006	0.0001	0.0000
2	0.0058	0.0053	0.0049	0.0045	0.0042	0.0038	0.0035	0.0033	0.0030	0.0028
3	0.0198	0.0184	0.0172	0.0160	0.0149	0.0138	0.0129	0.0120	0.0111	0.0103
4	0.0517	0.0486	0.0456	0.0429	0.0403	0.0378	0.0355	0.0333	0.0312	0.0293
5	0.1098	0.1041	0.0987	0.0935	0.0885	0.0838	0.0793	0.0750	0.0710	0.0671
6	0.1978	0.1892	0.1808	0.1727	0.1650	0.1575	0.1502	0.1433	0.1366	0.1301
7	0.3123	0.3010	0.2900	0.2792	0.2687	0.2584	0.2485	0.2388	0.2294	0.2202
8	0.4426	0.4296	0.4168	0.4042	0.3918	0.3796	0.3676	0.3558	0.3442	0.3328
9	0.5742	0.5611	0.5480	0.5349	0.5218	0.5089	0.4960	0.4832	0.4705	0.4579
10	0.6941	0.6820	0.6699	0.6576	0.6453	0.6330	0.6205	0.6081	0.5956	0.5830
11	0.7932	0.7832	0.7730	0.7626	0.7570	0.7412	0.7303	0.7193	0.7081	0.6968
12	0.8684	0.8607	0.8529	0.8448	0.8364	0.8279	0.8191	0.8101	0.8009	0.7916
13	0.9210	0.9156	0.9100	0.9042	0.8981	0.8919	0.8853	0.8786	0.8716	0.8645
14	0.9552	0.9517	0.9480	0.9441	0.9400	0.9357	0.9312	0.9265	0.9216	0.9165
15	0.9760	0.9738	0.9715	0.9691	0.9665	0.9638	0.9609	0.9579	0.9546	0.9513
16	0.9878	0.9865	0.9852	0.9838	0.9823	0.9806	0.9789	0.9770	0.9751	0.9730
17	0.9941	0.9934	0.9927	0.9919	0.9911	0.9902	0.9892	0.9881	0.9870	0.9857
18	0.9973	0.9969	0.9966	0.9962	0.9957	0.9952	0.9947	0.9941	0.9935	0.9928
19	0.9988 0.9995	0.9986 0.9994	0.9985 0.9993	0.9983 0.9992	0.9980 0.9991	0.9978 0.9990	0.9975 0.9989	0.9972 0.9987	0.9969 0.9986	0.9965 0.9984
20	0.9993	0.9994	0.9993	0.9992	0.9991	0.9990	0.9989	0.9987	0.9980	0.9984
21 22	0.9998	0.9998	0.9997	0.9997	0.9990	0.9998	0.9993	0.9993	0.9994	0.9993
23	1.0000	1.0000	1.0000	1.0000	0.9999	0.9998	0.9998	0.9998	0.9997	0.9997
24	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
25	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000
43	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000

X	11.0	12.0	13.0	140	<i>l</i> 15.0	16.0	17.0	18.0	19.0	20.0
0	0.0000	0.0000	0.0000	0.0000	0.0000	16.0 0.0000	0.0000	0.0000	0.0000	0.000
ï	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.000
2	0.0012	0.0005	0.0002	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.000
3	0.0049	0.0023	0.0011	0.0005	0.0002	0.0001	0.0000	0.0000	0.0000	0.000
4	0.0151	0.0076	0.0037	0.0018	0.0009	0.0004	0.0002	0.0001	0.0000	0.000
5	0.0375	0.0203	0.0107	0.0055	0.0028	0.0014	0.0007	0.0003	0.0002	0.000
6	0.0786	0.0458	0.0259	0.0142	0.0076	0.0040	0.0021	0.0010	0.0005	0.000
7	0.1432	0.0895	0.0540	0.0316	0.0180	0.0100	0.0054	0.0029	0.0015	0.000
8	0.2320	0.1550	0.0998	0.0621	0.0374	0.0220	0.0126	0.0071	0.0039	0.002
9	0.3405	0.2424	0.1658	0.1094	0.0699	0.0433	0.0261	0.0154	0.0089	0.005
10	0.4599	0.3472	0.2517	0.1757	0.1185	0.0774	0.0491	0.0304	0.0183	0.010
11	0.5793	0.4616	0.3532	0.2600	0.1848	0.1270	0.0847	0.0549	0.0347	0.021
12	0.6887	0.5760	0.4631	0.3585	0.2676	0.1931	0.1350	0.0917	0.0606	0.039
13	0.7813	0.6815	0.5730	0.4644	0.3632	0.2745	0.2009	0.1426	0.0984	0.066
14	0.8540	0.7720	0.6751	0.5704	0.4657	0.3675	0.2808	0.2081	0.1497	0.104
15	0.9074	0.8444	0.7636	0.6694	0.5681	0.4667	0-3715	0.2867	0.2148	0.150
16	0.9441	0.8987	0.8355	0.7559	0.6641	0.5660	0.4677	0.3751	0.2920	0.22
17	0.9678	0.9370	0.8905	0.8272	0.7489	0.6593	0.5640	0.4686	0.3784	0.29
18	0.9823	0.9626	0.9302	0.8826	0.8195	0.7423	0.6550	0.5622	0.4695	0.38
19	0.9907	0.9787	0.9573	0.9235	0.8752	0.8122	0.7363	0.6509	0.5606	0.47
20	0.9953 0.9977	0.9884 0.9939	0.9750 0.9859	0.9521 0.9712	0.9170 0.9469	0.8682 0.9108	0.8055 0.8615	0.7307 0.7991	0.6472 0.7255	0.559
21	0.9977	0.9939	0.9839	0.9712	0.9409	0.9108	0.8013	0.7991	0.7233	0.04.
22 23	0.9990	0.9970	0.9924	0.9833	0.9805	0.9418	0.9047	0.8989	0.7931	0.72
23 24	0.9998	0.9993	0.9980	0.9950	0.9888	0.9033	0.9S94	0.8383	0.8933	0.76
25	0.9999	0.9997	0.9990	0.9974	0.9938	0.9869	0.9394	0.9554	0.8933	0.88
25 26	1.0000	0.9999	0.9995	0.9987	0.9967	0.9925	0.9848	0.9334	0.9209	0.88
27	1.0000	0.9999	0.9998	0.9994	0.9983	0.9959	0.9912	0.9827	0.9687	0.94
28	1.0000	1.0000	0.9999	0.9997	0.9991	0.9978	0.9950	0.9897	0.9705	0.96
29	1.0000	1.0000	1.0000	0.9999	0.9996	0.9989	0.9973	0.9941	0.9882	0.97
30	1.0000	1.0000	1.0000	0.9999	0.9998	0.9994	0.9986	0.9967	0.9930	0.98
31	1.0000	1.0000	1.0000	1.0000	0.9999	0.9997	0.9993	0.9982	0.9960	0.99
32	1.0000	1.0000	1.0000	1.0000	1.0000	0.9999	0.9996	0.9990	0.9978	0.99
33	1.0000	1.0000	1.0000	1.0000	1.0000	0.9999	0.9998	0.9995	0.9988	0.99'
34	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.9999	0.9998	0.9994	0.99
35	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.9999	0.9997	0.99
36	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.9999	0.9998	0.99
37	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.9999	0.99
38	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.99
32	1.0000	1.0000	1.0000	1.0000	1.0000	0.9999	0.9996	0.9990	0.9978	0.99
33	1.0000	1.0000	1.0000	1.0000	1.0000	0.9999	0.9998	0.9995	0.9988	0.99'
34	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.9999	0.9998	0.9994	0.998
35	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.9999	0.9997	0.99
36	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.9999	0.9998	0.99
37	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.9999	0.999
38	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	1.0000	0.999

ESTADÍSTICA I 12.

N	n	k	x	F(x)	P(x)	N	n	k	x	F(x)	P(x)
N 2 2 3	1	1	Ō	0.500000	0.500000	6	3	2 2 3	1	0.800000	0.600000
2	1	1	1	1.000000	0.500000	6	3	2	2	1.000000	0.200000
3	1	1	0	0.666667	0.666667	6	3		0	0.050000	0.050000
3 3 3	1 2	1 1	1	1.000000	0.333333	6	3	3	1 2	0.500000	0.450000
3	2	1	-	0.333333	0.333333	6	3	3	3	0.950000	0.450000
			1 1	1.000000 0.666667	0.666667	6	3 4	3 1	0	1.000000 0.333333	0.050000 0.333333
3 3	2 2	2 2	2	1.0000007	0.666667 0.333333	6 6	4	1	1	1.000000	0.666667
4	1	1	0	0.750000	0.760000	6	4	2	0	0.066667	0.066667
4	1	1	1	1.000000	0.250000	6	4		1	0.600007	0.533333
4	2	i	Ô	0.500000	0.500000	6	4	2 2	2	1.000000	0.400000
4	$\bar{2}$	1	ĭ	1.000000	0.500000	6	4	3	1	0.200000	0.200000
4	2		0	0.166667	0.166667	6	4			0.800000	0.600000
4	2 2 2	2 2	Ĭ	0.833333	0.666667	6	4	3	2 3	1.000000	0.200000
4	2	2	2	1.000000	0.166667	6	4	4	2.	0.400000	0.400000
4	3	1	0	0.250000	0.250000	6	4	4	3 4	0.933333	0.533333
4	3 3 3	1	1	1.000000	0.750000	6	4	4	4	1.000000	0.066667
4	3	2	1	0.500000	0.500000	6	5	1	0	0.166667	0.166667
4	3	2	2 2	1.000000	0.500000	6	5 5	1	1	1.000000	0.833333
4				0.750000	0.750000	6		2	I	0.333333	0.333333
4	3	3	3	1.000000	0.250000	6	5	2	2	1.000000	0.666667
5	1	1	0	0.800000	0.800000	6	5	3	2	0.500000	0.500000
5	1	1	1	1.000000	0.200000	6	5	3		1.000000	0.500000
5	2	1	0	0.600000	0.600000	6	5	4	3	0.666667	0.666667
5 5	2 2	1 2	1	1.000000 0.300000	0.400000	6	5 5	4 5	4 4	1.000000 0.833333	0.333333
5	2	2	1	0.900000	0.300000 0.600000	6 6	5 5	5	5	1.000000	0.833333 0.166667
5	2 2 3	2	2	1.000000	0.100000	7	1	1	0	0.857143	0.857143
5 5	3	1	$\tilde{0}$	0.400000	0.400000	7	1	1	1	1.000000	0.837143
5	3	1	1	1.000000	0.600000	7	2	1	0	0.714286	0.714286
5	3		0	0.100000	0.100000	7		1	1	1.000000	0.285714
5 5	3	2 2	ĭ	0.700000	0.600000	7	2 2	2	Ô	0.476190	0.476190
5	3	2	2	1.000000	0.300000	7	$\frac{1}{2}$	$\bar{2}$	ĭ	0.952381	0.476190
5	3		1	0.300000	0.300000	7	2	2	2	1.000000	0.047619
5	3	3	2	0.900000	0.600000	7	3	1	0	0.571429	0.571429
5	3	3	3	1.000000	0.100000	7	3	1	1	1.000000	0.428571
5	4	1	0	0.200000	0.200000	7	3	2	0	0.285714	0.285714
5	4	1	1	1.000000	0.800000	7	3	2 2	1	0.857143	0.571429
5 5 5	4	2	1	0.400000	0.400000	7	3	2	2	1.000000	0.142857
5	4	2 3	2	0.000000	0.600000	7	3	3	0	0.114286	0.114286
5	4		2 2 3	0.600000	0.600000	7		3	1	0.628571	0.514286
5	4	3	3	1.000000	0.400000	7	3	3	2	0.971428	0.342857
5 5	4	4	3	0.800000	0.800000	7	3	3	3	1.000000	0.028571
	4	4		1.000000	0.200000	7	4	1	0	0.428571	0.428571
6	1	1	0	0.833333	0.833333	7	4	1	1	1.000000	0.571429
6	1	1	1	1.000000	0.166667	7	4	2 2	0	0.142857	0.142857
6	2	1	0	0.666667	0.666667	7	4 4		1 2	0.714286	0.571429
6	2 2	1	1	1.000000	0.333333			2	_	1.000000	0.285714
6 6	2	2 2	0 1	0.400000 0.933333	0.400000 0.533333	7 7	4 4	3	0 1	0.025571 0.371429	0.028571 0.342857
6	2	2	2	1.000000	0.066667	7	4	3	2	0.885714	0.514286
6	3	1	0	0.500000	0.500000	7	4	3	3	1.000000	0.314286
6	3	1	1	1.000000	0.500000	7	4	3 4	1	0.114286	0.114286
6	3	2	0	0.200000	0.200000	7	4	4	2	0.628571	0.514286
Ü	-	_	Ü	z. 2 00000	z. 2 00000	•	•	•	-	20071	

N	n	k	x	F(x)	P(x)	N	n	k	x	F(x)	P(x)
7	4	4	3	0.971428	0342857	8	5	1	1	1.000000	0.625000
7 7	4 5	4 1	4 0	1.000000 0.285714	0.028571 0.285714	8	5 5	2	0 1	0.107143 0.642857	0.107143 0.5357 Í 4
7	5	1	1	1.000000	0.283714	8	5		2	1.000000	0.357143
		2	0	0.047619	0.047619	8	5	2 3 3	$\tilde{0}$	0.017857	0.017857
7 7	5 5	2	ĭ	0.523809	0.476190	8	5 5	3	ĭ	0.285714	0.267857
7	5	2	2	1.000000	0.476190	8	5	3	2	0.821429	0.535714
7	5	3	1	0.142857	0.142857	8	5	3	3	1.000000	0.178571
7	5	3	2	0.714286	0.571429	8	5	4	1	0.071429	0.071429
7 7	5 5	3 4	3 2	1.000000 0.285714	0.285714 0.285714	8	5 5	4 4	2	0.500000 0.928571	0.428571 0.428571
7	5	4	3	0.857143	0.283714	8	5	4	4	1.000000	0.428371
7	5	4	4	1.000000	0.142857	8	5	5	2	0.178571	0.178571
7	5	5	3	0.476190	0.476190	8			3	0.714286	
7	5	5	4	0.952381	0.476190		5 5	5 5	4	0.982143	0.535714 0:267857
7	5	5	5	1.000000	0.047619	8	5	5	5	1.000000	0.017857
7	6	1	0	0.142857	0.142857	8	6	1	0	0.250000	0.250000
7	6	1	1	1.000000	0.857143	8	6	1	1	1.000000	0.750000
7 7	6 6	2 2	1 2	0.285714 1.000000	0.285714 0.714286	8	6 6	2 2	0 1	0.035714 0.464286	0.035714 0.428571
7	6	3	$\frac{2}{2}$	0.428571	0.428571	8	6	$\frac{2}{2}$	2	1.000000	0.535714
7	6	3	3	1.000000	0.571429	8	6	3	ī	0.107143	0.107143
7	6	4	3	0.571429	0.571429	8	6	3	2	0.642857	0.535714
7 7	6	4	4 4	1.000000	0.428571	8	6	3	3	1.000000	0.357143 0.214286
7	6 6	5 5	5	0.714286 1.000000	0.714286 0.285714	8	6 6	4	3	0.214286 0.785714	0.214286 0.571429
7	6	6	5	0.857143	0.857143	8	6	4	4	1.000000	0.214286
7	6	6	6	1.000000	0.142857	8	6	5	3	0.357143	0.357143
8	1	1	ő	0.875000	0.875000	8	6	5	4	0.892857	0.535714
8	1	1	1	1.000000	0.125000	8	6	5	5	1.000000	0.107143
8	2	1	0	0.750000	0.750000	8	6	6	4	0.535714	0.535714
8	2	1	1	1.000000	0.250000	8	6 6	6 6	5 6	0.964286 1.000000	0.428571 0.035714
8 8	2 2	2 2	0 1	0.535714 0.964286	0.535714 0.428571	8	7	1	0	0.125000	0.125000
8	$\frac{2}{2}$	$\frac{2}{2}$	2	1.000000	0.035714	8	7	1	1	1.000000	0.875000
8	3	1	0	0.625000	0.625000	8	7	2	1	0.250000	0.250000
8	3	1	1	1.000000	0.375000	8	7	2	2	1.000000	0.750000
8	3	2	0	0.357143	0.357143	8	7	3	2	0.375000	0.375000
8 8	3	2	1 2	0.892857 1.000000	0.535714	8	7 7	3 4	3	1.000000 0.500000	0.625000 0.500000
8	3	2	$\overset{2}{0}$	0.178571	0.107143 0.178571	8	7	4	3 4	1.000000	0.500000
8	3	1	1	0.714286	0.535714	8	7	5	4	0.625000	0.625000
8	3	3	2 3	0.982143	0.267857	8	7	5	5	1.000000	0.375000
8	3	3		1.000000	0.017857	8	7	6	5	0.750000	0.750000
8	4	1	0	0.500000	0.500000	8	7	6	6	1.000000	0.250000
8	4 4	1 2	1	1.000000	0.500000	8	7 7	7 7	6 7	0.875000	0.875000
8 8	4	$\frac{2}{2}$	0 1	0.214286 0.785714	0.214286 0.571429	9	1	1	0	1.000000 0.888889	0.125000 0.888889
8	4	2.	2	1.000000	0.214286	9	1	1	1	1.000000	0.111111
8	4	3	$\bar{0}$	0.071429	0.071429	9	2	Ī	Ô	0.777778	0.777778
8	4	3	1	0.500000	0.428571	9	2	1	1	1.000000	0.222222
8	4 4	3	2 3	0.928571	0.428571	9	2	2	0	0.583333	0.583333
8	4	3 4	0	1.000000 0.014286	0.071429 0.014286	9	2 2	2 2	1 2	0.972222 1.000000	0.388889 0.027778
8	4	4	1	0.242857	0.228571	9	3	1	0	0.666667	0.666667
8	4	4	2	0.757143	0.5142S6	9	3	1	ĭ	1.000000	0.333333
8	4	4	3	0.985714	0.228571	9	3	2	0	0.416667	0.416667
8 8	4 5	4 1	4	1.000000 0.375000	0.014286 0.375000	9	3	2 2	1 2	0.916667 1.000000	0.500000 0.083333
o	J	1	U	0.575000	0.575000	7	3	2	2	1.000000	0.003333

ESTADÍSTICA I 14<u>.</u>

N	n	k	x	F(x)	P(x)	N	n	k	x	F(x)	P(x)
9	3	3	0	0.238095	0.238095	9	7	2	1	0.416667	0.388889
9	3	3	1 2	0.773809	0.535714	9	7 7	2 3	2	1.000000	0.583333
9 9	3	3	3	0.988095 1.000000	0.214286 0.011905	9			1	0.083333	0.083333
9	4	1	0	0.555556	0.555556	9	7 7	3	2 3	0.583333 1.000000	0.500000 0.416667
9	4	1	1	1.000000	0.444444	9	7	4	2	0.166667	0.166667
9	4	2	0	0.277778	0.277778	9	7	4	3	0.722222	0.555556
9	4	2	ĭ	0.833333	0.55556	9	7	4	4	1.000000	0.277778
9	4	2	2	1.000000	0.166667	9	7	5	3	0.277778	0.277778
9	4	3	0	0.119048	0.119048	9	7	5	4	0.833333	0.555556
9	4	3 3	1	0.595238	0.476190	9	7 7	5	5	1.000000	0.166667
9 9	4		2 3	0.952381	0.357143	9		6	4	0.416667	0.416667
9	4 4	3	0	1.000000 0.039683	0.047619 0.039683	9	7 7	6 6	5 6	0.916667 1.000000	0.500000 0.833333
9	4	4	1	0.357143	0.039063	9	7	7	5	0.583333	0.583333
9	4	4	2	0.833333	0.476190	9	7	7	6	0.972222	0.388889
9	4	4	3	0.992063	0.158730	9	7	7	7	1.000000	0.027778
9	4	4	4	1.000000	0.007936	9	8	1	0	0.111111	0.111111
9	5	1	0	0.444444	0.444444	9	8	1	1	1.000000	0.888889
9	5	1	1	1.000000	0.555556	9	8	2	1	0.222222	0.222222
9 9	5	2 2	0	0.166667 0.722222	0.166667	9	8	2	2	1.000000	0.777778
9	5 5	$\frac{2}{2}$	1 2	1.000000	0.555556 0.277778	9	8	3	2	0.333333	0.333333
9	5	3	$\tilde{0}$	0.047619	0.047619	9	8 8	3	3	1.000000 0.444444	0.666667 0.444444
9	5	3	1	0.404762	0.357143	9	8	4	4	1.000000	0.555556
9			2	0.880952	0.476190	9	8		4	0.555556	0.555556
9	5 5	3 3	3	1.000000	0.119048	9	8	5 5	5	1.000000	0.444444
9	5	4	0	0.007936	0.007936	9	8	6	5	0.666667	0.666667
9	5	4	1	0.166667	0.158730	9	8	6	6	1.000000	0.333333
9	5	4	2	0.642857	0.476190	9	8	7	6	0.777778	0.777778
9 9	5 5	4 4	3 4	0.960317 1.000000	0.317460 0.039683	9	8 8	7 8	7 7	1.000000 0.888889	0.222222 0.888889
9	5	5	1	0.039683	0.039683	9	8	8	8	1.000000	0.000009
9	5	5	2	0.357143	0.317460	10	1	1	ő	0.900000	0.900000
9	5	5	3	0.833333	0.476190	10	1	1	ĩ	1.000000	0.100000
9	5	5	4	0.992063	0.158730	10	2	1	0	0.800000	0.800000
9	5	5	5	1.000000	0.007936	10	2	1	1	1.000000	0.200000
9	6	1	0	0.333333	0.333333	10	2	2	0	0.622222	0.622222
9 9	6 6	1 2	1	1.000000	0.666667	10 10	2	2 2	1 2	0.977778	0.355556
9	6	$\frac{2}{2}$	1	0.083333 0.583333	0.083333 0.500000	10		1	0	1.000000 0.700000	0.022222 0.700000
9	6	$\frac{2}{2}$	2	1.000000	0.416667	10	3	1	1	1.000000	0.300000
9	6	3	0	0.011905	0.011905	10	3	2	0	0.466667	0.466667
9	6	3	1	0.226190	0.214286	10	3	2 2	1 2	0.933333	0.466667
9	6	3	2	0.761905	0.535714	10	3			1.000000	0.066667
9	6	3	3	1.000000	0.238095	10	3	3	0	0.291667	0.291667
9	6	4 4	1 2	0.047619	0.047619	10 10	3	3	1 2	0.816667	0.525000
9	6 6	4	3	0.404762 0.880952	0.357143 0.476190	10	3	3	3	0.991667 1.000000	0.175000 0.008333
9	6	4	4	1.000000	0.470190	10	4	1	0	0.600000	0.600000
9	6	5	$\frac{1}{2}$	0.119048	0.119048	10	4	i	ĭ	1.000000	0.400000
9	6	5	3	0.595238	0.476190	10	4	2	0	0.333333	0.333333
9	6	5	4	0.952381	0.357143	10	4	2	1	0.866667	0.533333
9	6	5	5	1.000000	0.047619	10	4	2	2	1.000000	0.133333
9	6	6	3	0.238095	0.238095	10	4	3	0	0.166667	0.166667
9 9	6 6	6 6	4 5	0.773809 0.988095	0.535714 0.214286	10 10	4 4	3	1 2	0.666667 0.966667	0.500000 0.300000
9	6	6	6	1.000000	0.214286	10	4	3	3	1.000000	0.033333
9	7	1	0	0.222222	0.222222	10	4	4	0	0.071429	0.033333
9	7	i	1	1.000000	0.777778	10	4	4	ĭ	0.452381	0.380952
9	7	2	0	0.027778	0.027778	10	4	4	2	0.880952	0.428571

N	n	k	x	F(x)	P(x)	N	n	k	x	F(x)	P(x)
10	4	4	3	0.995238	0.114286	10	6	3	0	0.033333	0.033333
10	4	4	4	1.000000	0.004762	10	6	3	1	0.333333	0.300000
10	5	1	0	0.500000	0.500000	10	6	3	2	0.833333	0.500000
10	5	1	1	1.000000	0.500000	10	6	3	3	1.000000	0.166667
10	5	2	0	0.222222	0.222222	10	6	4	0	0.004762	0.004762
10	5	2	1	0.777778	0.555556	10	6	4	1	0.119048	0.114286
10	5	2	2	1.000000	0.222222	10	6	4	2	0.547619	0.428571
10	5	3	0	0.083333	0.083333	10	6	4	3	0.928571	0.380952
10	5	3	1	0.500000	0.416667	10	6	4	4	1.000000	0.071429
10	5	3	2	0.916667	0.416667	10	6	5	1	0.023810	0.023810
10	5	3	3	1.000000	0.083333	10	6	5	2	0.261905	0.238095
10	5	4	0	0.023810	0.023810	10	6	5		0.738095	0.476190
10	5	4	1	0.261905	0.238095	10	6	5	4	0.976190	0.238095
10	5	4	2	0.738095	0.476190	10	6	5	5	1.000000	0.023810
10	5	4	3	0.976190	0.238095	10	6	6	2	0.071429	0.071429
10	5	4	4	1.000000	0.023810	10	6	6	3	0.452381	0.380952
10	5	5	0	0.003968	0.003968	10	6	6	4	0.880952	0.428571
10	5	5	1	0.103175	0.099206	10	6	6	5	0.995238	0.114286
10	5	5	2	0.500000	0.396825	10	6	6	6	1.000000	0.004762
10	5	5	3	0.896825	0.396825	10	7	1	0	0.300000	0.300000
10	5	5	4	0.996032	0.099206	10	7	1	1	1.000000	0.700000
10	5	5	5	1.000000	0.003968	10	7	2	0	0.066667	0.066667
10	6	1	0	0.400000	0.400000	10	7	2	1	0.533333	0.466667
10	6	1	1	1.000000	0.600000	10	7	2	2	1.000000	0.466667
10	6	2	0	0.133333	0.133333	10	7	3	0	0.008333	0.008333
10	6	2	1	0.666667	0.533333	10	7	3	0	0.008333	0.008333
10	6	2	2	1.000000	0.333333						

ESTADÍSTICA I 16.

Tabla 4

Función de Distribución Normal (0,1)

-	.00	.01	.02	.03	.04	.05	.06	.07	.08	.09
Z	.00									
-3.5	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002	0.0002
-3.4	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0003	0.0002
-3.3	0.0005	0.0005	0.0005	0.0004	0.0004	0.0004	0.0004	0.0004	0.0004	0.0003
-3.2	0.0007	0.0007	0.0006	0.0006	0.0006	0.0006	0.0006	0.0005	0.0005	0.0005
-3.1	0.0010 0.0013	0.0009	0.0009	0.0009	0.0008	0.0008	0.0008 0.0011	0.0008 0.0011	0.0007 0.0010	0.0007 0.0010
-3.0	0.0013	0.0013	0.0013	0.0012	0.0012	0.0011	0.0011	0.0011	0.0010	0.0010
-2.9 -2.8	0.0019	0.0018	0.0018	0.0017	0.0016	0.0016	0.0013	0.0013	0.0014	0.0014
-2.8 -2.7	0.0026	0.0023	0.0024	0.0023	0.0023	0.0022	0.0021	0.0021	0.0020	0.0019
-2.7 -2.6	0.0047	0.0034	0.0033	0.0032	0.0031	0.0040	0.0029	0.0028	0.0027	0.0026
-2.5	0.0062	0.0060	0.0059	0.0057	0.0055	0.0054	0.0052	0.0051	0.0049	0.0048
-2.4	0.0082	0.0080	0.0078	0.0075	0.0073	0.0071	0.0069	0.0068	0.0066	0.0064
-2.3	0.0107	0.0104	0.0102	0.0099	0.0096	0.0094	0.0091	0.0089	0.0087	0.0084
-2.2	0.0139	0.0136	0.0132	0.0129	0.0125	0.0122	0.0119	0.0116	0.0113	0.0110
-2.1 -2.0	0.0179 0.0228	0.0174 0.0222	0.0170 0.0217	0.0166 0.0212	0.0162 0.0207	0.0158 0.0202	0.0154 0.0197	0.0150 0.0192	0.0146 0.0188	0.0143 0.0183
	0.0228	0.0222	0.0217	0.0212	0.0267	0.0256	0.0157	0.0192	0.0133	0.0183
-1.9 -1.8	0.0287	0.0281	0.0274	0.0208	0.0202	0.0230	0.0230	0.0244	0.0239	0.0233
-1.7	0.0337	0.0436	0.0427	0.0418	0.0409	0.0401	0.0314	0.0384	0.0375	0.0367
-1.6	0.0548	0.0537	0.0526	0.0516	0.0505	0.0495	0.0485	0.0475	0.0465	0.0455
-1.5	0.0668	0.0655	0.0643	0.0630	0.0618	0.0606	0.0594	0.0582	0.0571	0.0559
-1.4	0.0808	0.0793	0.0778	0.0764	0.0749	0.0735	0.0721	0.0708	0.0694	0.0681
-1.3	0.0968	0.0951	0.0934	0.0918	0.0901	0.0885	0.0869	0.0853	0.0838	0.0823
-1.2	0.1151	0.1131	0.1112	0.1093	0.1075	0.1056	0.1038	0.1020	0.1003	0.0985
-1.1	0.1357	0.1335	0.1314	0.1292	0.1271	0.1251	0.1230	0.1210	0.1190	0.1170
-1.0	0.1587	0.1562	0.1539	0.1515	0.1492	0.1469	0.1446	0.1423	0.1401	0.1379
-0.9	0.1841	0.1814	0.1788	0.1762	0.1736	0.1711	0.1685	0.1660	0.1635	0.1611
-0.8	0.2119	0.2090	0.2061	0.2033	0.2005	0.1977	0.1949	0.1922	0.1894	0.1867
-0.7	0.2420	0.2389	0.2358	0.2327	0.2297	0.2266	0.2236	0.2206	0.2177	0.2148
-0.6	0.2743	0.2709	0.2676	0.2643	0.2611	0.2578	0.2546	0.2514	0.2483	0.2451
-0.5	0.3085	0.3050	0.3015	0.2981	0.2946	0.2912	0.2877	0.2843	0.2810	0.2776
-0.4	0.3446	0.3409	0.3372	0.3336	0.3300	0.3264	0.3228	0.3192	0.3156	0.3121
-0.3	0.3821	0.3783	0.3745	0.3707	0.3669	0.3632	0.3594	0.3557	0.3520	0.3483
-0.2	0.4207	0.4168	0.4129	0.4090	0.4052	0.4013	0.3974	0.3936	0.3897	0.3859
-0.1	0.4602	0.4562	0.4522	0.4483	0.4443	0.4404	0.4364	0.4325	0.4286	0.4247
-0.0	0.5000	0.4960	0.4920	0.4880	0.4840	0.4801	0.4761	0.4721	0.4681	0.4641
0.0	0.5000	0.5040	0.5080	0.5120	0.5160	0.5199	0.5239	0.5279	0.5319	0.5359
0.1	0.5398	0.5438	0.5478	0.5517	0.5557	0.5596	0.5636	0.5675	0.5714	0.5753
0.2	0.5793	0.5832	0.5871	0.5910	0.5948	0.5987	0.6026	0.6064	0.6103	0.6141
0.3	0.6179	0.6217	0.6255	0.6293	0.6331	0.6368	0.6406	0.6443	0.6480	0.6517
0.4	0.6554	0.6591	0.6628	0.6664	0.6700	0.6736	0.6772	0.6808	0.6844	0.6879
0.5	0.6915	0.6950	0.6985	0.7019	0.7054	0.7088	0.7123	0.7157	0.7190	0.7224
0.6	0.7257	0.7291	0.7324	0.7357	0.7389	0.7422	0.7454	0.7486	0.7517	0.7549
0.7	0.7580 0.7881	0.7611 0.7910	0.7642 0.7939	0.7673 0.7967	0.7703 0.7995	0.7734 0.8023	0-7764	0.7794	0.7823	0.7852
0.8	0.7881	0.7910	0.7939	0.7967	0.7995	0.8023	0.8051 0.8315	0.8078 0.8340	0.8106 0.8365	0.8133 0.8389
0.9	0.8139	0.8438	0.8461	0.8485	0.8508	0.8531	0.8554	0.8577	0.8599	0.8621
1.0 1.1	0.8413	0.8438	0.8686	0.8708	0.8508	0.8531	0.8554	0.8377	0.8399	0.8621
1.1	0.8849	0.8869	0.8888	0.8907	0.8925	0.8944	0.8962	0.8980	0.8997	0.8830
1.3	0.9032	0.9049	0.9066	0.9082	0.9099	0.9115	0.9131	0.9147	0.9162	0.9177
1.4	0.9192	0.9207	0.9222	0.9236	0.9251	0.9265	0.9279	0.9292	0.9306	0.9319
1.5	0.9332	0.9345	0.9357	0.9370	0.9382	0.9394	0.9406	0.9418	0.9429	0.9441

Z	.00	.01	.02	.03	.04	.05	.06	.07	.08	.09
1.6	0.9452	0.9463	0.9474	0.9484	0.9495	0.9505	0.9515	0.9525	0.9535	0.9545
1.7	0.9554	0.9564	0.9573	0.9582	0.9591	0.9599	0.9608	0.9616	0.9625	0.9633
1.8	0.9641	0.9649	0.9656	0.9664	0.9671	0.9678	0.9686	0.9693	0.9699	0.9706
1.9	0.9713	0.9719	0.9726	0.9732	0.9738	0.9744	0.9750	0.9756	0.9761	0.9767
2.0	0.9772	0.9778	0.9783	0.9788	0.9793	0.9798	0.9803	0.9808	0.9812	0.9817
2.1	0.9821	0.9826	0.9830	0.9834	0.9838	0.9842	0.9846	0.9850	0.9854	0.9857
2.2	0.9861	0.9864	0.9868	0.9871	0.9875	0.9878	0.9881	0.9884	0.9887	0.9890
2.3	0.9893	0.9896	0.9898	0.9901	0.9904	0.9906	0.9909	0.9911	0.9913	0.9916
2.4	0.9918	0.9920	0.9922	0.9925	0.9927	0.9929	0.9931	0.9932	0.9934	0.9936
2.5	0.9938	0.9940	0.9941	0.9943	0.9945	0.9946	0.9948	0.9949	0.9951	0.9952
2.6	0.9953	0.9955	0.9956	0.9957	0.9959	0.9960	0.9961	0.9962	0.9963	0.9964
2.7	0.9965	0.9966	0.9967	0.9968	0.9969	0.9970	0.9971	0.9972	0.9973	0.9974
2.8	0.9974	0.9975	0.9976	0.9977	0.9977	0.9978	0.9979	0.9979	0.9980	0.9981
2.9	0.9981	0.9982	0.9982	0.9983	0.9984	0.9984	0.9985	0.9985	0.9986	0.9986
3.0	0.9987	0.9987	0.9987	0.9988	0.9988	0.9989	0.9989	0.9989	0.9990	0.9990
3.1	0.9990	0.9991	0.9991	0.9991	0.9992	0.9992	0.9992	0.9992	0.9993	0.9993
3.2	0.9993	0.9993	0.9994	0.9994	0.9994	0.9994	0.9994	0.9995	0.9995	0.9995
3.3	0.9995	0.9995	0.9995	0.9996	0.9996	0.9996	0.9996	0.9996	0.9996	0.9997
3.4	0.9997	0.9997	0.9997	0.9997	0.9997	0.9997	0.9997	0.9997	0.9997	0.9998
3.5	0.9998	0.9998	0.9998	0.9998	0.9998	0.9998	0.9998	0.9998	0.9998	0.9998

ESTADÍSTICA I 18.

Tabla 5 Función de Distribución c^2

					p					ĺ
g.l.	0.005	0.010	0.025	0.050	0.100	0.900	0.950	0.975	0.990	0.995
1	0.00	0.00	0.00	0.00	0.02	2.71	3.84	5.02	6.64	7.90
2	0.01	0.02	0.05	0.10	0.21	4.60	5.99	7.38	9.22	10.59
3	0.07	0.11	0.22	0.35	0.58	6.25	7.82	9.36	11.32	12.82
4	0.21	0.30	0.48	0.71	1.06	7.78	9.49	11.15	13.28	14.82
5	0.41	0.55	0.83	1.15	1.61	9.24	11.07	12.84	15.09	16.76
6	0.67	0.87	1.24	1.63	2.20	10.65	12.60	14.46	16.81	18.55
7 8 9 10	0.99 1.34 1.73 2.15	1.24 1.64 2.09 2.55	1.69 2.18 2.70 3.24	2.17 2.73 3.32 3.94	2.83 3.49 4.17 4.86	12.02 13.36 14.69 15.99	14.07 15.51 16.93 18.31	16.02 17.55 19.03 20.50	18.47 20.08 21.65 23.19	20.27 21.94 23.56 25.15
11	2.60	3.05	3.81	4.57	5.58	17.28	19.68	21.93	24.75	26.71
12 13 14	3.06 3.56 4.07	3.57 4.10 4.65	4.40 5.01 5.62	5.22 5.89 6.57	6.30 7.04 7.79	18.55 19.81 21.07	21.03 22.37 23.69	23.35 24.75 26.13	26.25 27.72 29.17	28.25 29.88 31.38
15	4.59	5.23	6.26	7.26	8.55	22.31	25.00	.27.50	30.61	32.86
16	5.14	5.81	6.90	7.96	9.31	23.55	26.30	28.86	32.03	34.32
17 18 19 20	5.69 6.25 6.82 7.42	6.40 7.00 7.63 8.25	7.56 8.23 8.90 9.59	8.67 9.39 10.11 10.85	10.08 10.86 11.65 12.44	24.77 25.99 27.21 28.42	27.59 28.88 30.15 31.42	30.20 31.54 32.87 34.18	33.43 34.83 36.22 37.59	35.77 37.21 38.63 40.05
21 22 23 24	8.02 8.62 9.25 9.87	8.89 9.53 10.19 10.85	10.28 10.98 11.69 12.40	11.59 12.34 13.09 13.84	13.24 14.04 14.85	29.62 30.82 32.01 33.20	32.68 33.93 35.18 36.42	35.49 36.79 38.09 39.38	38.96 40.31 41.66 43.00	41.45 42.84 44.23 45.60
25 26 27 28	10.50 11.13 11.79 12.44	11.51 12.19 12.87 13.55	13.11 13.84 14.57 15.30	14.61 15.38 16.15 16.92	15.66 16.47 17.29 18.11 18.94	34.38 35.57 36.74 37.92	37.66 38.89 40.12 41.34	40.66 41.94 43.21 44.47	44.34 45.66 46.99 48.30	46.97 48.33 49.69 51.04
29 30	13.09 13.77	14.24 14.94	16.04 16.78	17.70 18.49	19.77 20.60	39.09 40.26	42.56 43.78	45.74 46.99	49.61 50.91	52.38 53.71
35 40 45	17.16 20.67 24.28	18.49 22.14 25.88	20.56 24.42 28.36	22.46 26.51 30.61	24.79 29.06 33.36	46.06 51.80 57.50	49.81 55.75 61.65	53.22 59.34 65.41	57.36 63.71 69.98	60.31 66.80 73.20
50	27.96	29.68	32.35	34.76	37.69	63.16	67.50	71.42	76.17	79.52
60	35.50	37.46	40.47	43.19	46.46	74.39	79.08	83.30	88.40	91.98
70	43.25	45.42	48.75	51.74	55.33	85.52	90.53	95.03	100.44	104.24
80 90	51.14 59.17	53.52 61.74	57.15 65.64	60.39 69.13	64.28 73.29	96.57 107.56	101.88 113.14	106.63 118.14	112.34 124.13	116.35 128.32
100	67.30	70.05	74.22	77.93	82.36	118.49	124.34	129.56	135.82	140.19

Tabla 6
Función de Distribución t-Student

				p			
g.l.	0.80	0.90	0.95	0.975	0.99	0.995	0.999
1	1.376	3.078	6.31	12.70	31.82	63.65	318.39
2	1.061	1.886	2.920	4.303	6.965	9.925	22.32
3	0.978	1.638	2.353	3.182	4.541	5.841	10.21
4 5	0.941	1.533	2.132	2.776	3.747	4.604	7.173
5	0.920	1.476	2.015	2.571	3.365	4.032	5.893
6	0.906	1.440	1.943	2.447	3.143	3.707	5.208
7	0.896	1.415	1.895	2.365	2.998	3.499	4.785
8	0.889	1.397	1.860	2.306	2.896	3.355	4.501
9	0.883	1.383	1.833	2.262	2.821	3.250	4.297
10	0.879	1.372	1.812	2.228	2.764	3.169	4.144
11	0.876	1.363	1.796	2.201	2.718	3.106	4.025
12	0.873	1.356	1.782	2.179	2.681	3.055	3.930
13	0.870	1.350	1.771	2.160	2.650	3.012	3.852
14	0.868	1.345	1.761	2.145	2.624	2.977	3.787
15	0.866	1.341	1.753	2.131	2.602	2.947	3.733
16	0.865	1.337	1.746	2.120	2.583	2.921	3.686
17	0.863	1.333	1.740	2.110	2.567	2.898	3.646
18	0.862	1.330	1.734	2.101	2.552	2.878	3.610
19	0.861	1.328	1.729	2.093	2.539	2.861	3.579
20	0.860	1.325	1.725	2.086	2.528	2.845	3.552
21	0.859	1.323	1.721	2.080	2.518	2.831	3.527
22	0.858	1.321	1.717	2.074	2.508	2.819	3.505
23	0.858	1.319	1.714	2.069	2.500	2.807	3.485
24	0.857	1.318	1.711	2.064	2.492	2.797	3.467
25	0.856	1.316	1.708	2.060	2.485	2.787	3.450
26	0.856	1.315	1.706	2.056	2.479	2.779	3.435
27	0.855	1.314	1.703	2.052	2.473	2.771	3.421
28	0.855 0.854	1.313 1.311	1.701	2.048 2.045	2.467 2.462	2.763 2.756	3.408 3.396
29	0.854	1.311	1.699	2.045	2.462	2.750	3.385
30 35	0.854	1.310	1.697 1.690	2.042	2.437	2.730	3.340
33 40	0.851	1.303	1.684	2.021	2.423	2.724	3.307
45	0.850	1.303	1.679	2.014	2.412	2.690	3.281
45 50	0.849	1.299	1.676	2.009	2.403	2.678	3.261
60	0.848	1.296	1.671	2.000	2.390	2.660	3.232
70	0.847	1.294	1.667	1.994	2.381	2.648	3.211
80	0.846	1.292	1.664	1.990	2.374	2.639	3.195
90	0.846	1.291	1.662	1.987	2.369	2.632	3.183
100	0.845	1.290	1.660	1.984	2.364	2.626	3.174
200	0.843	1.286	1.652	1.972	2.345	2.601	3.131
500	0.842	1.283	1.648	1.965	2.334	2.586	3.107
1000	0.842	1.282	1.646	1.962	2.330	2.581	3.098

Esta distribución es simétrica: $t_{n,p} = t_{n,1-p}$

ESTADÍSTICA I 20.

Tabla 7
Función de Distribución F de Snedecor

P = 0.9

				Grados	de liberta	$d 1 gl_1$				
gl_2	1	2	3	4	5	6	7	8	9	10
1	39.86	49.50	53.59	55.83	57.24	58.20	58.91	59.44	59.86	60.19
2 3	8.53	9.00	9.16	9.24	9.29	9.33	9.35	9.37	9.38	9.39
3	5.54	5.46	5.39	5.34	5.31	5.28	5.27	5.25	5.24	5.23
4	4.54 4.06	4.32 3.78	4.19 3.62	4.11 3.52	4.05 3.45	4.01 3.40	3.98 3.37	3.95 3.34	3.94 3.32	3.92 3.30
5 6	3.78	3.46	3.02	3.18	3.43	3.40	3.01	2.98	2.96	2.94
7	3.59	3.26	3.07	2.96	2.88	2.83	2.79	2.75	2.72	2.70
8	3.46	3.11	2.92	2.81	2.73	2.67	2.62	2.59	2.56	2.54
9	3.36	3.01	2.81	2.69	2.61	2.55	2.51	2.47	2.44	2.42
10	3.29	2.92	2.73	2.61	2.52	2.46	2.41	2.38	2.35	2.32
11 12	3.23	2.86 2.81	2.66 2.61	2.54 2.48	2.45 1.39	2.39 2.33	2.34 2.28	2.30 2.24	2.27 2.21	2.25 2.19
13	3.18 3.14	2.81	2.56	2.48	2.35	2.33	2.28	2.24	2.21	2.19
14	3.10	2.73	2.52	2.39	2.31	2.24	2.19	2.15	2.12	2.10
15	3.07	2.70	2.49	2.36	2.27	2.21	2.16	2.12	2.09	2.06
16	3.05	2.67	2.46	2.33	2.24	2.18	2.13	2.09	2.06	2.03
17	3.03	2.64	2.44	2.31	2.22	2.15	2.10	2.06	2.03	2.00
18	3.01	2.62	2.42	2.29	2.20	2.13	2.08	2.04	2.00	1.98
19 20	2.99 2.97	2.61 2.59	2.40 2.38	2.27 2.25	2.18 2.16	2.11 2.09	2.06 2.04	2.02 2.00	1.98 1.96	1.96 1.94
21	2.97	2.59 2.57	2.38	2.23	2.10	2.09	2.04	1.98		1.94
22	2.95	2.57 2.56	2.36 2.35	2.23 2.22	2.14 2.13	2.06	2.02 2.01	1.97	1.95 1.93	1.90
23	2.94	2.55	2.34	2.21	2.11	2.05	1.99	1.95	1.92	1.89
24	2.93	2.54	2.33	2.19	2.10	2.04	1.98	1.94	1.91	1.88
25	2.92 2.91	2.53 2.52	2.32 2.31	2.18 2.17	2.09 2.08	2.02 2.01	1.97 1.96	1.93 1.92	1.89 1.88	1.87 1.86
26 27	2.91	2.51	2.31	2.17	2.08	2.00	1.95	1.92	1.87	1.85
28	2.89	2.50	2.29	2.16	2.06	2.00	1.94	1.90	1.87	1.84
29	2.89	2.50	2.28	2.15	2.06	1.99	1.93	1.89	1.86	1.83
30	2.88	2.49	2.28	2.14	2.05	1.98	1.93	1.88	1.85	1.82
35	2.85	2.46	2.25	2.11	2.02	1.95	1.90	1.85	1.82	1.79
40	2.84	2.44	2.23	2.09	2.00	1.93	1.87	1.83	1.79	1.76
50	2.81	2.41	2.20	2.06	1.97	1.90	1.84	1.80	1.76	1.73
60 80	2.79 2.77	2.39 2.37	2.18 2.15	2.04 2.02	1.95 1.92	1.87 1.85	1.82 1.79	1.77 1.75	1.74	1.71
80 100	2.77	2.37	2.15	2.02	1.92	1.83	1.79	1.73	1.71 1.69	1.68 1.66
200	2.73	2.33	2.14	1.97	1.88	1.80	1.75	1.70	1.66	1.63
500	2.72	2.31	2.09	1.96	1.86	1.79	1.73	1.68	1.64	1.61
1000	2.71	2.31	2.09	1.95	1.85	1.78	1.72	1.68	1.64	1.61

P=0.9

				Grados	de libert	ad 1 gl_1				
gl_2	11	12	15	20	25	30	40	50	100	1000
1	60.47	60.71	61.22	61.74	62.06	62.26	62.53	62.69	63.00	63.29
2	9.40	9.41	9.42	9.44	9.45	9.46	9.47	9.47	9.48	9.49
3	5.22	5.22	5.20	5.19	5.17	5.17	5.16	5.15	5.14	5.13
4 5	3.91 3.28	3.90 3.27	3.87 3.24	3.84 3.21	3.83 3.19	3.82 3.17	3.80 3.16	3.80 3.15	3.78 3.13	3.76 3.11
6	2.92	2.90	2.87	2.84	2.81	2.80	2.78	2.77	2.75 2	2.72
7	2.68	2.67	2.63	2.59	2.57	2.56	2.54	2.52	2.50 2	2.47
8	2.52	2.50	2.46	2.42	2.40	2.38	2.36	2.35	2.32 2	2.30
9	2.40	2.38	2.34	2.30	2.27	2.25	2.23	2.22	2.19	2.16
10	2.30	2.28	2.24	2.20	2.17	2.16	2.13	2.12	2.09	2.06
11 12	2.23 2.17	2.21 2.15	2.17 2.10	2.12 2.06	2.10 2.03	2.08 2.01	2.05 1.99	2.04 1.97	2.00 1.94	1.98 1.91
13	2.17	2.13	2.10	2.00	1.98	1.96	1.99	1.97	1.88	1.85
14	2.07	2.05	2.01	1.96	1.93	1.91	1.89	1.87	1.83	1.80
15	2.04	2.02	1.97	1.92	1.89	1.87	1.85	1.83	1.79	1.76
16	2.01	1.99	1.94	1.89	1.86	1.84	1.81	1.79	1.76	1.72
17	1.98	1.96	1.91	1.86	1.83	1.81	1.78	1.76	1.73	1.69
18	1.95	1.93	1.89	1.84	1.80	1.78	1.75	1.74	1.70	1.66
19 20	1.93 1.91	1.91 1.89	1.86 1.84	1.81 1.79	1.78 1.76	1.76 1.74	1.73 1.71	1.71 1.69	1.67 1.65	1.64 1.61
20 21	1.91	1.87	1.83	1.79	1.74	1.72	1.71	1.67	1.63	1.59
22	1.88	1.86	1.81	1.76	1.73	1.70	1.67	1.65	1.61	1.57
23	1.87	1.84	1.80	1.74	1.71	1.69	1.66	1.64	1.59	1.55
24	1.85	1.83	1.78	1.73	1.70	1.67	1.64	1.62	1.58	1.54
25	1.84	1.82	1.77	1.72	1.68	1.66	1.63	1.61	1.56	1.52
26	1.83 1.82	1.81 1.80	1.76 1.75	1.71 1.70	1.67 1.66	1.65 1.64	1.61 1.60	1.59 1.58	1.55 1.54	1.51 1.50
27 28	1.82	1.79	1.73	1.69	1.65	1.63	1.59	1.56	1.54	1.30
29	1.80	1.78	1.73	1.68	1.64	1.62	1.58	1.56	1.52	1.47
30	1.79	1.77	1.72	1.67	1.63	1.61	1.57	1.55	1.51	1.46
35	1.76	1.74	1.69	1.63	1.60	1.57	1.53	1.51	1.47	1.42
40	1.74	1.71	1.66	1.61	1.57	1.54	1.51	1.48	1.43	1.38
50	1.70	1.68	1.63	1.57	1.53	1.50	1.46	1.44	1.39	1.33
60	1.68 1.65	1.66 1.63	1.60 1.57	1.54 1.51	1.50 1.47	1.48 1.44	1.44 1.40	1.41 1.38	1.36 1.32	1.30 1.25
80 100	1.63	1.63	1.56	1.31	1.47	1.44	1.40	1.38	1.32	1.23
200	1.60	1.58	1.52	1.46	1.41	1.38	1.34	1.31	1.24	1.16
500	1.58	1.56	1.50	1.44 .	1.39	1.36	1.31	1.28	1.21	1.11
1000	1.58	1.55	1.49	1.43	1.38	1.35	1.30	1.27	1.20	1.08

ESTADÍSTICA I 22.

P=0.95

				Grados d	e libertad	$1 gl_1$				
gl_2	1	2	3	4	5	6	7	8	9	10
1	161.4	199.50	215.7	224.5	230.1	233.9	236.7	238.8	240.5	241.8
2	18.51	19.00	19.16	19.25	19.30	19.33	19.35	19.37	19.38	19.40
3	10.13	9.55	9.28	9.12	9.01	8.94	8.89	8.85	8.81	8.79
4	7.71	6.94	6.59	6.39	6.26	6.16	6.09	6.04	6.00	5.97
5	6.61	5.79	5.41	5.19	5.05	4.95	4.88	4.82	4.77	4.73
6	5.99	5.14	4.76	4.53	4.39	4.28	4.21	4.15	4.10	4.06
7	5.59 5.32	4.74 4.46	4.35 4.07	4.12 3.84	3.97 3.69	3.87 3.58	3.79 3.50	3.73 3.44	3.68 3.39	3.64 3.35
8	5.12	4.46	3.86	3.63	3.48	3.36	3.29	3.44	3.18	3.33
9	4.96	4.20	3.71	3.48	3.46	3.22	3.14	3.23	3.18	2.98
10 11	4.84	3.98	3.59	3.36	3.20	3.09	3.01	2.95	2.90	2.85
11	4.75	3.89	3.49	3.26	3.11	3.00	2.91	2.85	2.80	2.75
13	4.67	3.81	3.41	3.18	3.03	2.92	2.83	2.77	2.71	2.67
14	4.60	3.74	3.34	3.11	2.96	2.85	2.76	2.70	2.65	2.60
15	4.54	3.68	3.29	3.06	2.90	2.79	2.71	2.64	2.59	2.54
16	4.49	3.63	3.24	3.01	2.85	2.74	2.66	2.59	2.54	2.49
17	4.45	3.59	3.20	2.96	2.81	2.70	2.61	2.55	2.49	2.45
18	4.41	3.55	3.16	2.93	2.77	2.66	2.58	2.51	2.46	2.41
19	4.38	3.52	3.13	2.90	2.74	2.63	2.54	2.48	2.42	2.38
20	4.35	3.49	3.10	2.87	2.71	2.60	2.51	2.45	2.39	2.35
21	4.32	3.47	3.07	2.84	2.68	2.57	2.49	2.42	2.37	2.32
22	4.30 4.28	3.44 3.42	3.05 3.03	2.82 2.80	2.66 2.64	2.55 2.53	2.46 2.44	2.40 2.37	2.34 2.32	2.30 2.27
23	4.26	3.42	3.03	2.78	2.62	2.53	2.44	2.36	2.32	2.27
24	4.24	3.40	2.99	2.76	2.62	2.49	2.42	2.34	2.30	2.23
25 26	4.23	3.37	2.98	2.74	2.59	2.47	2.39	2.32	2.27	2.24
20 27	4.21	3.35	2.96	2.73	2.57	2.46	2.37	2.31	2.25	2.20
28	4.20	3.34	2.95	2.71	2.56	2.45	2.36	2.29	2.24	2.19
29	4.18	3.33	2.93	2.70	2.55	2.43	2.35	2.28	2.22	2.18
30	4.17	3.32	2.92	2.69	2.53	2.42	2.33	2.27	2.21	2.16
35	4.12	3.27	2.87	2.64	2.49	2.37	2.29	2.22	2.16	2.11
40	4.08	3.23	2.84	2.61	2.45	2.34	2.25	2.18	2.12	2.08
50	4.03	3.18	2.79	2.56	2.40	2.29	2.20	2.13	2.07	2.03
60	4.00	3.15	2.76	2.53	2.37	2.25	2.17	2.10	2.04	1.99
80	3.96	3.11	2.72	2.49	2.33	2.21	2.13	2.06	2.00	1.95
100	3.94	3.09	2.70	2.46	2.31	2.19	2.10	2.03	1.97	1.93
200	3.89	3.04	2.65	2.42	2.26	2.14	2.06	1.98	1.93	1.88
500	3.86	3.01	2.62	2.39	2.23	2.12	2.03	1.96	1.90	1.85
1000	3.85	3.01	2.61	2.38	2.22	2.11	2.02	1.95	1.89	1.84

P=0.95

				Grados	de libert	ad 1 gl	!			
$m{gl}_2$	11	12	15	20	25	30	40	50	100	1000
1	242.9	243.9	245.9	248.0	249.2	250.0	251.1	251.7	253.0	254.1
2 3	19.40	19.41	19.43	19.45	19.46	19.46	19.47	19.48	19.49	19.50
3	8.76	8.74	8.70	8.66	8.63	8.62	8.59	8.58	8.55	8.53
4	5.94	5.91	5.86	5.80	5.77	5.74	5.72	5.70	5.66	5.63
5	4.70 4.03	4.68 4.00	4.62 3.94	4.56 3.87	4.52 3.84	4.50 3.81	4.46 3.77	4.44 3.75	4.41 3.71	4.37 3.67
6	3.60	3.57	3.94	3.44	3.40	3.38	3.77	3.73	3.71	3.07
7 8	3.31	3.28	3.22	3.44	3.40	3.08	3.04	3.02	2.97	2.93
9	3.10	3.07	3.01	2.94	2.89	2.86	2.83	2.80	2.76	2.71
10	2.94	2.91	2.85	2.77	2.73	2.70	2.66	2.64	2.59	2.54
11	2.82	2.79	2.72	2.65	2.60	2.57	2.53	2.51	2.46	2.41
12	2.72	2.69	2.62	2.54	2.50	2.47	2.43	2.40	2.35	2.30
13	2.63	2.60	2.53	2.46	2.41	2.38	2.34	2.31	2.26	2.21
14	2.57	2.53	2.46	2.39	2.34	2.31	2.27	2.24	2.19	2.14
15	2.51	2.48	2.40	2.33	2.28	2.25	2.20	2.18	2.12	2.07
16	2.46	2.42	2.35	2.28	2.23	2.19	2.15	2.12	2.07	2.02
17	2.41	2.38	2.31	2.23	2.18	2.15	2.10	2.08	2.02	1.97
18	2.37	2.34	2.27	2.19	2.14	2.11	2.06	2.04	1.98	1.92
19	2.34 2.31	2.31 2.28	2.23 2.20	2.16 2.12	2.11 2.07	2.07 2.04	2.03 1.99	2.00 1.97	1.94 1.91	1.88 1.85
20 21	2.31	2.28	2.20	2.12	2.07	2.04	1.99	1.97	1.88	1.83
21	2.26	2.23	2.15	2.10	2.02	1.98	1.94	1.91	1.85	1.79
23	2.24	2.20	2.13	2.05	2.00	1.96	1.91	1.88	1.82	1.76
24	2.22	2.18	2.11	2.03	1.97	1.94	1.89	1.86	1.80	1.74
25 25	2.20	2.16	2.09	2.01	1.96	1.92	1.87	1.84	1.78	1.72
26	2.18	2.15	2.07	1.99	1.94	1.90	1.85	1.82	1.76	1.70
27	2.17	2.13	2.06	1.97	1.92	1.88	1.84	1.81	1.74	1.68
28	2.15	2.12	2.04	1.96	1.91	1.87	1.82	1.79	1.73	1.66
29	2.14	2.10	2.03	1.94	1.89	1.85	1.81	1.77	1.71	1.65
30	2.13	2.09	2.01	1.93	1.88	1.84	1.79	1.76	1.70	1.63
35	2.07	2.04	1.96	1.88	1.82	1.79	1.74	1.70	1.63	1.57
40	2.04	2.00	1.92	1.84	1.78	1.74	1.69	1.66	1.59	1.52
50	1.99	1.95	1.87	1.78	1.73	1.69 1.65	1.63 1.59	1.60	1.52	1.45
60 80	1.95 1.91	1.92 1.88	1.84 1.79	1.75 1.70	1.69 1.64	1.65	1.59	1.56 1.51	1.48 1.43	1.40 1.34
80 100	1.91	1.85	1.79	1.68	1.62	1.57	1.54	1.31	1.43	1.34
200	1.84	1.80	1.72	1.62	1.56	1.52	1.46	1.40	1.32	1.21
500	1.81	1.77	1.69	1.59	1.53	1.48	1.42	1.38	1.28	1.14
1000	1.80	1.76	1.68	1.58	1.52	1.47	1.41	1.36	1.26	1.11
1000										•

ESTADÍSTICA I 24.

P=0.975

				Grados d	le liberta	$d 1 gl_1$				
gl_2	1	2	3	4	5	6	7	8	9	10
1	647.8	799.5	864.2	899.6	921.8	937.1	948.2	956.7	963.3	968.6
2	38.51	39.00	39.17	39.25	39.30	39.33	39.36	39.37	39.39	39.40
3	17.44	16.04	15.44	15.10	14.88	14.73	14.62	14.54	14.47	14.42
4	12.22 10.01	10.65 8.43	9.98 7.76	9.60 7.39	9.36 7.15	9.20 6.98	9.07 6.85	8.98 6.76	8.90 6.68	8.84 6.62
5	8.81	7.26	6.60	6.23	7.13 5.99	5.82	5.70	5.60	5.52	5.46
6 7	8.07	6.54	5.89	5.52	5.29	5.12	4.99	4.90	4.82	4.76
8	7.57	6.06	5.42	5.05	4.82	4.65	4.53	4.43	4.36	4.30
9	7.21	5.71	5.08	4.72	4.48	4.32	4.20	4.10	4.03	3.96
10	6.94	5.46	4.83	4.47	4.24	4.07	3.95	3.85	3.78	3.72
11	6.72	5.26	4.63	4.28	4.04	3.88	3.76	3.66	3.59	3.53
12	6.55	5.10	4.47	4.12	3.89	3.73	3.61	3.51	3.44	3.37
13	6.41	4.97	4.35	4.00	3.77	3.60	3.48	3.39	3.31	3.25
14	6.30	4.86	4.24	3.89	3.66	3.50	3.38	3.29	3.21	3.15
15	6.20	4.77	4.15	3.80	3.58	3.41	3.29	3.20	3.12	3.06
16	6.12	4.69	4.08	3.73	3.50	3.34	3.22	3.12	3.05	2.99
17	6.04 5.98	4.62 4.56	4.01 3.95	3.66 3.61	3.44 3.38	3.28 3.22	3.16 3.10	3.06 3.01	2.98 2.93	2.92 2.87
18		4.51	3.93	3.56		3.17	3.10	2.96		
19	5.92 5.87	4.46	3.90	3.50	3.33 3.29	3.17	3.03	2.96	2.88 2.83	2.82 2.77
20 21	5.83	4.42	3.82	3.48	3.25	3.09	2.97	2.87	2.80	2.73
22	5.79	4.38	3.78	3.44	3.22	3.05	2.93	2.84	2.76	2.70
23	5.75	4.35	3.75	3.41	3.18	3.02	2.90	2.81	2.73	2.67
24	5.72	4.32	3.72	3.38	3.15	2.99	2.87	2.78	2.70	2.64
25	5.69	4.29	3.69	3.35	3.13	2.97	2.85	2.75	2.68	2.61
26	5.66	4.27	3.67	3.33	3.10	2.94	2.82	2.73	2.65	2.59
27	5.63	4.24	3.65	3.31	3.08	2.92	2.80	2.71	2.63	2.57
28	5.61	4.22	3.63	3.29	3.06	2.90	2.78	2.69	2.61	2.55
29	5.59	4.20	3.61	3.27	3.04	2.88	2.76	2.67	2.59	2.53
30	5.57	4.18	3.59	3.25	3.03	2.87	2.75	2.65	2.57	2.51
40	5.42	4.05	3.46	3.13	2.90	2.74	2.62	2.53	2.45	2.39
60	5.29	3.93	3.34	3.01	2.79	2.63	2.51	2.41	2.33	2.27
120	5.15	3.80	3.23	2.89	2.67	2.52	2.39	2.30	2.22	2.16
1000	5.02	3.69	3.12	2.79	2.59	2.41	2.29	2.19	2.11	2.05

P=0.975

				Grados	de liberta	$d 1 g l_1$			
$m{gl}_2$	12	15	20	24	30	40	60	120	1000
1	976.7	978.9	993.1	997.2	1001	1006	1010	1014	1018
2	39.41	39.43	39.45	39.45	39.46	39.47	39.48	39.49	39.50
3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18	14.34 8.75 6.52 5.37 4.67 4.20 3.87 3.62 3.43 3.28 3.15 3.05 2.96 2.89 2.82 2.77	14.25 8.66 6.43 5.27 4.57 4.10 3.77 3.52 3.33 3.18 3.05 2.95 2.86 2.79 2.72 2.67	14.17 8.56 6.33 5.17 4.47 4.00 3.67 3.42 3.23 3.07 2.95 2.84 2.76 2.68 2.62 2.56	14.12 8.51 6.28 5.12 4.42 3.95 3.61 3.37 3.17 3.02 2.89 2.79 2.70 2.63 2.56 2.50	14.08 8.46 6.23 5.07 4.36 3.89 3.56 3.31 3.12 2.96 2.84 2.73 2.64 2.57 2.50 2.44	14.04 8.41 6.18 5.01 4.31 3.84 3.51 3.26 3.06 2.91 2.78 2.67 2.59 2.51 2.44 2.39	13.99 8.36 6.12 4.96 4.25 3.78 3.45 3.20 3.00 2.85 2.72 2.61 2.52 2.45 2.38 2.32	13.95 8.31 6.07 4.90 4.20 3.73 3.39 3.14 2.94 2.79 2.66 2.55 2.46 2.38 2.32 2.26	13.90 8.26 6.02 4.85 4.14 3.67 3.33 3.08 2.88 2.72 2.60 2.49 2.40 2.32 2.25 1.19
19 20	2.72 2.68 2.64	2.62 2.57 2.53	2.51 2.46 2.42	2.45 2.41 2.37	2.39 2.35 2.31	2.33 2.29 2.25	2.27 2.22 2.18	2.20 2.16 2.11	2.13 2.09 2.04
21 22 23	2.60 2.57	2.50 2.47	2.39 2.36	2.33 2.30	2.27 2.24	2.21 2.18	2.14 2.11	2.08 2.04	2.00 1.97
24 25 26 27 28	2.54 2.51 2.49 2.47 2.45	2.44 2.41 2.39 2.36 2.34	2.33 2.30 2.28 2.25 2.23	2.27 2.24 2.22 2.19 2.17	2.21 2.18 2.16 2.13 2.11	2.15 2.12 2.09 2.07 2.05	2.08 2.05 2.03 2.00 1.98	2.01 1.98 1.95 1.93 1.91	1.94 1.91 1.88 1.85 1.83
29	2.43	2.32	2.21	2.15	2.09	2.03	1.96	1.89	1.81
30 40 60 120	2.41 2.29 2.17 2.05	2.31 2.18 2.06 1.94	2.20 2.07 1.94 1.82	2.14 2.01 1.88 1.76	2.07 1.94 1.82 1.69	2.01 1.88 1.74 1.61	1.94 1.80 1.67 1.53	1.87 1.72 1.58 1.43	1.79 1.64 1.48 1.31
1000	2.05 1.94	1.94	1.82	1.76	1.57	1.61	1.33	1.43	1.00

ESTADÍSTICA I 26.

P=0.99

	Grados de libertad 1 gl _i									
$m{gl}_2$	1	2	3	4	5	6	7	8	9	10
2	98.50	99.00	99.17	99.25	99.30	99.33	99.36	99.37	99.39	99.40
3	34.12	30.82	29.46	28.71	28.24	27.91	27.67	27.50	27.34	27.22
3 4	21.20	18.00	16.69	15.98	15.52	15.21	14.98	14.80	14.66	14.55
5	16.26	13.27	12.06	11.39	10.97	10.67	10.46	10.29	10.16	10.05
6	13.75	10.92	9.78	9.15	8.75	8.47	8.26	8.10	7.98	7.87
7	12.25 11.26	9.55 8.65	8.45 7.59	7.85 7.01	7.46 6.63	7.19 6.37	6.99 6.18	6.84 6.03	6.72 5.91	6.62 5.81
8	10.56	8.02	6.99	6.42	6.06	5.80	5.61	5.47	5.35	5.26
9 10	10.30	7.56	6.55	5.99	5.64	5.39	5.20	5.06	4.94	4.85
11	9.65	7.21	6.22	5.67	5.32	5.07	4.89	4.74	4.63	4.54
12	9.33	6,93	5.95	5.41	5.06	4.82	4.64	4.50	4.39	4.30
13	9.07	6.70	5.74	5.21	4.86	4.62	4.44	4.30	4.19	4.10
14	8.86	6.51	5.56	5.04	4.69	4.46	4.28	4.14	4.03	3.94
15	8.68	6.36	5.42	4.89	4.56	4.32	4.14	4.00	3.89	3.80
16	8.53	6.23	5.29	4.77	4.44	4.20	4.03	3.89	3.78	3.69
17	8.40	6.11	5.18	4.67	4.34	4.10	3.93	3.79	3.68	3.59
18	8.29	6.01	5.09	4.58	4.25	4.01	3.84	3.71	3.60	3.51
19	8.18	5.93	5.01 4.94	4.50 4.43	4.17 4.10	3.94	3.77 3.70	3.63 3.56	3.52 3.46	3.43 3.37
20	8.10 8.02	5.85 5.78	4.94 4.87	4.43	4.10	3.87	3.70	3.56	3.46	3.37
21 22	7.95	5.72	4.82	4.37	3.99	3.81 3.76	3.59	3.45	3.35	3.26
23	7.88	5.66	4.76	4.26	3.94	3.71	3.54	3.41	3.30	3.21
24	7.82	5.61	4.72	4.22	3.90	3.67	3.50	3.36	3.26	3.17
25	7.77	5.57	4.68	4.18	3.85	3.63	3.46	3.32	3.22	3.13
26	7.72	5.53	4.64	4.14	3.82	3.59	3.42	3.29	3.18	3.09
27	7.68	5.49	4.60	4.11	3.78	3.56	3.39	3.26	3.15	3.06
28	7.64	5.45	4.57	4.07	3.75	3.53	3.36	3.23	3.12	3.03
29	7.60	5.42	4.54	4.04	3.73	3.50	3.33	3.20	3.09	3.00
30	7.56	5.39	4.51	4.02	3.70	3.47	3.30	3.17	3.07	2.98
35	7.42	5.27	4.40	3.91	3.59	3.37	3.20	3.07	2.96	2.88
40	7.31	5.18	4.31	3.83	3.51	3.29	3.12	2.99	2.89	2.80
50	7.17	5.06	4.20	3.72	3.41	3.19	3.02	2.89	2.78	2.70
60 80	7.08 6.96	4.98 4.88	4.13 4.04	3.65 3.56	3.34 3.26	3.12 3.04	2.95 2.87	2.82 2.74	2.72 2.64	2.63 2.55
อบ 100	6.90	4.88	3.98	3.50	3.20	2.99	2.87	2.74	2.59	2.50
200	6.76	4.71	3.88	3.41	3.11	2.89	2.73	2.60	2.59	2.30
500	6.69	4.71	3.82	3.41	3.05	2.84	2.73	2.55	2.44	2.36
1000	6.66	4.63	3.82	3.34	3.04	2.82	2.66	2.53	2.43	2.34

P=0.99

	Grados de libertad $1 - gl_1$									
gl_2	11	12	15	20	25	30	40	50	100	1000
2	99.41	99.42	99.43	99.45	99.46	99.46	99.47	99.48	99.49	99.51
3	27.12	27.03	26.85	26.67	26.58	26.50	26.41	26.35	26.24	26.14
4	14.45	14.37	14.19	14.02	13.91	13.84	13.75	13.69	13.58	13.48
5	9.96	5.89	9.72	9.55	9.45	9.38	9.30	9.24	9.13	9.03
6	7.79	7.7.2	7.56	7.40	7.29	7.23	7.15	7.09	6.99	6.89
7 8	6.54 5.73	6.47 5.67	6.31 5.52	6.16 5.36	6.06 5.26	5.99 5.20	5.91 5.12	5.86 5.07	5.75 4.96	5.66 4.87
8	5.18	5.11	4.96	4.81	4.71	4.65	4.57	4.52	4.41	4.32
10	4.77	4.71	4.56	4.41	4.31	4.25	4.17	4.12	4.01	3.92
11	4.46	4.40	4.25	4.10	4.00	3.94	3.86	3.81	3.71	3.61
12	4.22	4.Í6	4.01	3.86	3.76	3.70	3.62	3.57	3.47	3.37
13	4.02	3.96	3.82	3.66	3.57	3.51	3.43	3.38	3.27	3.18
14	3.86	3.80	3.66	3.51	3.41	3.35	3.27	3.22	3.11	3.02
15	3.73	3.67	3.52	3.37	3.28	3.21	3.13	3.08	2.98	2.88
16	3.62	.3.55	3.41	3.26	3.16	3.10	3.02	2.97	2.86	2.76
17	3.52 3.43	3.46 '3.37	3.31 3.23	3.16 3.08	3.07 2.98	3.00 2.92	2.92 2.84	2.87 2.78	2.76 2.68	2.66 2.58
18	3.45	3.30	3.23	3.00	2.98	2.92	2.76	2.78	2.60	2.50
19 20	3.29	3.23	3.13	2.94	2.91	2.78	2.76	2.71	2.54	2.30
21	3.24	3.17	3.03	2.88	2.78	2.72	2.64	2.58	2.48	2.37
22	3.18	3.12	2.98	2.83	2.73	2.67	2.58	2.53	2.42	2.32
23	3.14	3.07	2.93	2.78	2.69	2.62	2.54	2.48	2.37	2.27
24	3.09	3.03	2.89	2.74	2.64	2.58	2.49	2.44	2.33	2.22
25	3.06	2.99	2.85	2.70	2.60	2.54	2.45	2.40	2.29	2.18
26	3.02	2.96	2.81	2.66	2.57	2.50	2.42	2.36	2.25	2.14
27	2.99	2.93	2.78	2.63	2.54	2.47	2.38	2.33	2.22	2.11
28	2.96 2.93	2.90 2.87	2.75 2.73	2.60 2.57	2.51 2.48	2.44 2.41	2.35 2.33	2.30 2.27	2.19 2.16	2.08 2.05
29		2.84		2.55		2.41	2.30	2.24	2.13	
30 35	2.91 2.80	2.84	2.70 2.60	2.33	2.45 2.35	2.39	2.30	2.24	2.13	2.02 1.90
35 40	2.80	2.74	2.52	2.44	2.33	2.28	2.19	2.14	1.94	1.82
50	2.62	2.56	2.42	2.27	2.17	2.10	2.01	1.95	1.82	1.70
60	2.56	2.50	2.35	2.20	2.10	2.03	1.94	1.88	1.75	1.62
80	2.48	2.42	2.27	2.12	2.01	1.94	1.85	1.79	1.65	1.51
100	2.43	2.37	2.22	2.07	1.97	1.89	1.80	1.74	1.60	1.45
200	2.34	2.27	2.13	1.97	1.87	1.79	1.69	1.63	1.48	1.30
500	2.28	2.22	2.07	1.92	1.81	1.74	1.63	1.57	1.41	1.20
1000	2.27	2.20	2.06	1.90	1.79	1.72	1.61	1.54	1.38	1.16